

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054180.D
 Acq On : 12 Mar 2019 23:31
 Operator : JC/SP
 Sample : VN0312WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:41:13 AM

Quant Time: Mar 13 08:19:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1406744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2192616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1929920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	919286	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	779072	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.59	113	713629	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.09	98	2597437	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	900400	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	282968	21.224	ug/l	99
3) Chloromethane	2.06	50	273162	21.092	ug/l	99
4) Vinyl Chloride	2.19	62	306744	20.723	ug/l	100
5) Bromomethane	2.58	94	208228	20.311	ug/l	95
6) Chloroethane	2.71	64	177666	19.838	ug/l	98
7) Trichlorofluoromethane	3.02	101	391708	19.904	ug/l	100
8) Diethyl Ether	3.41	74	197461	22.018	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	309542	20.989	ug/l	98
10) Methyl Iodide	3.94	142	362118	18.270	ug/l	100
11) Tert butyl alcohol	4.82	59	107955	105.406	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	316196	21.636	ug/l	98
13) Acrolein	3.61	56	89659	92.384	ug/l	93
14) Allyl chloride	4.32	41	390637	20.833	ug/l	99
15) Acrylonitrile	4.99	53	466121	110.796	ug/l	99
16) Acetone	3.82	43	350992	82.054	ug/l	98
17) Carbon Disulfide	4.04	76	760466	20.757	ug/l	99
18) Methyl Acetate	4.33	43	200368	23.153	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	796951	22.000	ug/l	98
20) Methylene Chloride	4.54	84	301333	21.454	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	300784	21.480	ug/l	98
22) Diisopropyl ether	5.96	45	786942	21.028	ug/l	98
23) Vinyl Acetate	5.90	43	2949431	106.892	ug/l	100
24) 1,1-Dichloroethane	5.85	63	512016	21.308	ug/l	98
25) 2-Butanone	6.85	43	513696	102.319	ug/l	99
26) 2,2-Dichloropropane	6.82	77	363689	17.211	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	338783	21.687	ug/l	98
28) Bromochloromethane	7.19	49	201026	20.464	ug/l	97
29) Tetrahydrofuran	7.22	42	351579	108.914	ug/l	99
30) Chloroform	7.37	83	542927	21.653	ug/l	99
31) Cyclohexane	7.65	56	472250	20.292	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	477839	21.101	ug/l	99
36) 1,1-Dichloropropene	7.79	75	408457	20.229	ug/l	99
37) Ethyl Acetate	6.94	43	243829	21.016	ug/l	100
38) Carbon Tetrachloride	7.77	117	413335	19.520	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	489456	19.701	ug/l	98
40) Benzene	8.04	78	1199375	20.757	ug/l	100
41) Methacrylonitrile	7.18	41	129784	19.592	ug/l	95
42) 1,2-Dichloroethane	8.13	62	403086	20.663	ug/l	99
43) Isopropyl Acetate	8.17	43	417676	20.510	ug/l	100
44) Trichloroethene	8.83	130	371838	20.715	ug/l	97
45) 1,2-Dichloropropane	9.12	63	296804	20.686	ug/l	100
46) Dibromomethane	9.21	93	199273	20.556	ug/l	99
47) Bromodichloromethane	9.40	83	398939	20.528	ug/l	96
48) Methyl methacrylate	9.20	41	221459	21.428	ug/l	99
49) 1,4-Dioxane	9.20	88	60835	416.149	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1150424	106.745	ug/l	100
52) Toluene	10.16	92	757076	20.664	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	383904	18.571	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	445850	19.687	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	281008	21.006	ug/l	99
56) Ethyl methacrylate	10.43	69	332861	20.867	ug/l	99
57) 1,3-Dichloropropane	10.71	76	458105	20.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	613444	99.505	ug/l	98
59) 2-Hexanone	10.75	43	740231	103.223	ug/l	99
60) Dibromochloromethane	10.90	129	298960	19.855	ug/l	98
61) 1,2-Dibromoethane	11.00	107	285715	21.017	ug/l	100
64) Tetrachloroethene	10.63	164	384530	20.608	ug/l	99
65) Chlorobenzene	11.43	112	876710	20.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	315138	20.471	ug/l	99
67) Ethyl Benzene	11.51	91	1426697	20.310	ug/l	100
68) m/p-Xylenes	11.62	106	1120820	40.824	ug/l	100
69) o-Xylene	11.95	106	552401	20.640	ug/l	98
70) Styrene	11.96	104	860086	20.490	ug/l	99
71) Bromoform	12.13	173	203572	18.883	ug/l	100
73) Isopropylbenzene	12.25	105	1472307	20.018	ug/l	100
74) N-amyl acetate	12.07	43	340367	20.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	320402	20.447	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	267577m	19.793	ug/l	
77) Bromobenzene	12.53	156	390653	20.072	ug/l	98
78) n-propylbenzene	12.59	91	1599117	20.038	ug/l	100
79) 2-Chlorotoluene	12.67	91	957112	19.946	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1206058	19.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66316	16.769	ug/l	90
82) 4-Chlorotoluene	12.77	91	954452	19.920	ug/l	99
83) tert-Butylbenzene	12.99	119	1122290	19.931	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1221534	20.353	ug/l	99
85) sec-Butylbenzene	13.17	105	1461283	20.010	ug/l	100
86) p-Isopropyltoluene	13.29	119	1281881	20.009	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	669993	20.430	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	650615	20.195	ug/l	99
89) n-Butylbenzene	13.62	91	1009176	20.732	ug/l	99
90) Hexachloroethane	13.88	117	195882	18.465	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	661411	20.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49812	20.543	ug/l	98

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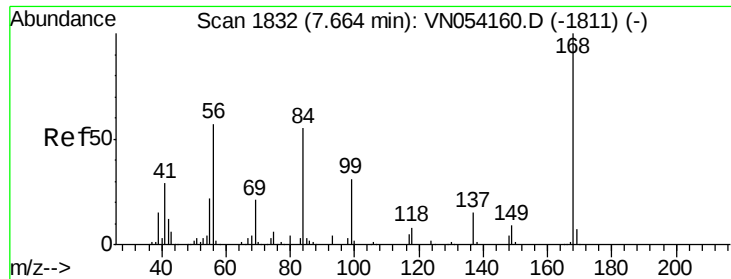
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	361582	20.258	ug/l	99
94) Hexachlorobutadiene	15.01	225	245916	20.138	ug/l	98
95) Naphthalene	15.13	128	742548	20.608	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	369626	21.699	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054180.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tgt Ion:168 Resp: 1406744

Ion Ratio Lower Upper

168 100

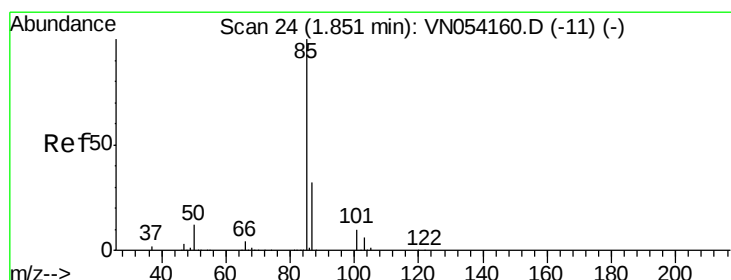
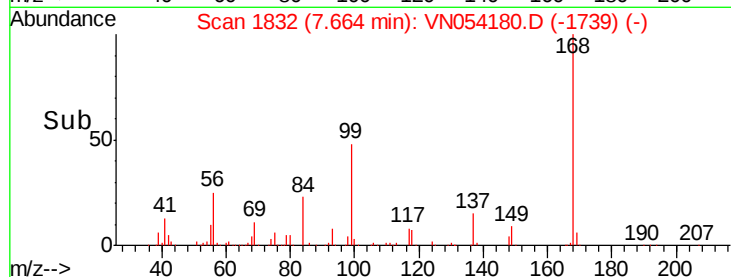
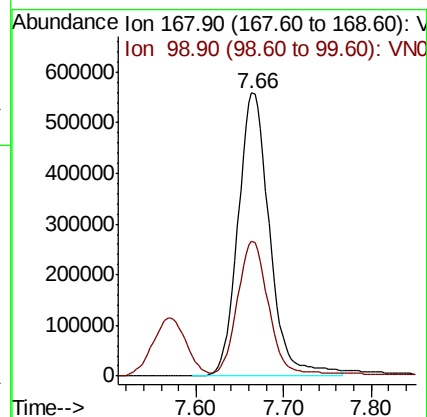
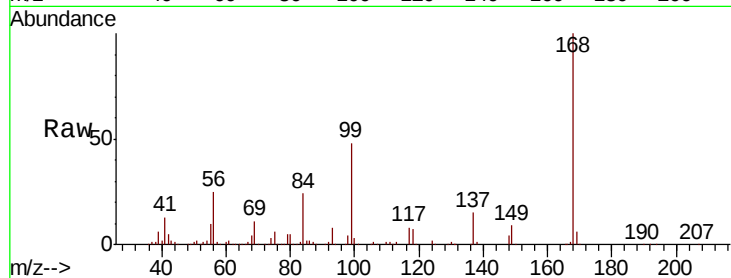
99 46.7 37.1 55.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.224 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054180.D

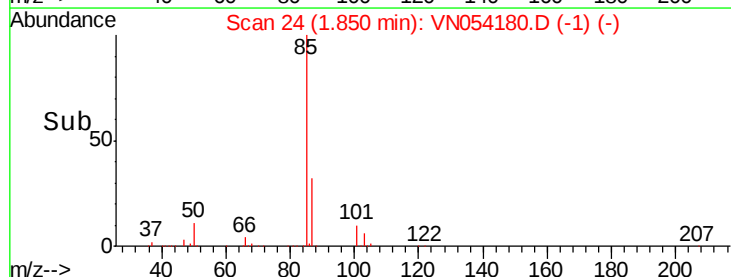
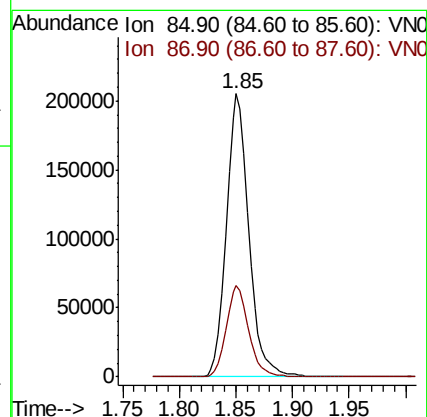
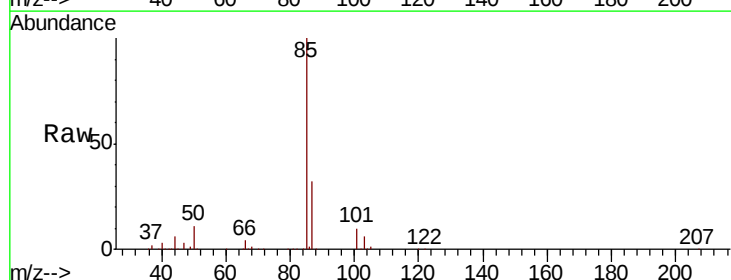
Acq: 12 Mar 2019 23:31

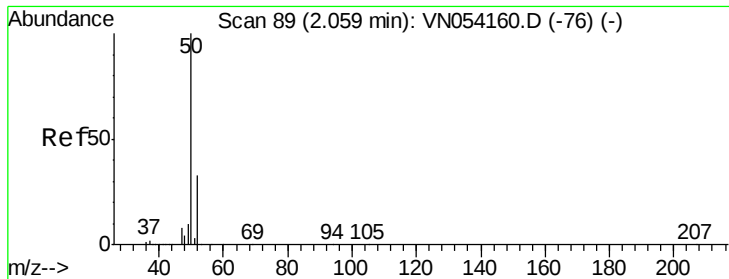
Tgt Ion: 85 Resp: 282968

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7





#3

Chloromethane

Concen: 21.092 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

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ClientSampleId :

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Tgt Ion: 50 Resp: 273162

Ion Ratio Lower Upper

50 100

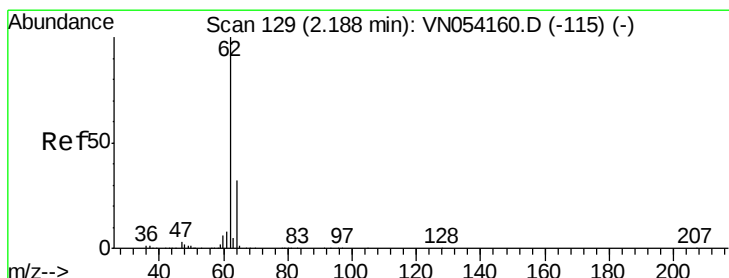
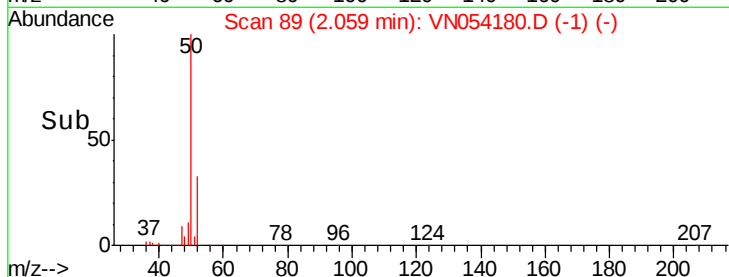
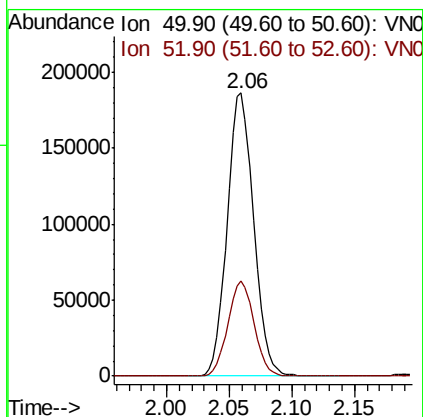
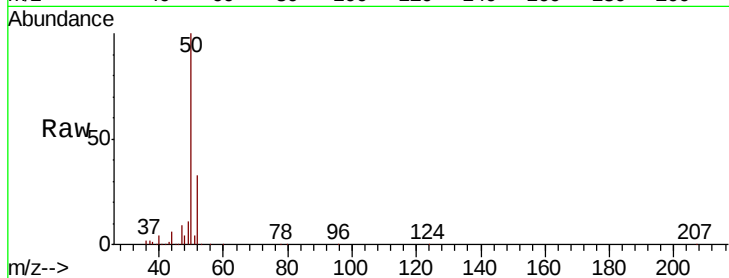
52 33.5 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.723 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054180.D

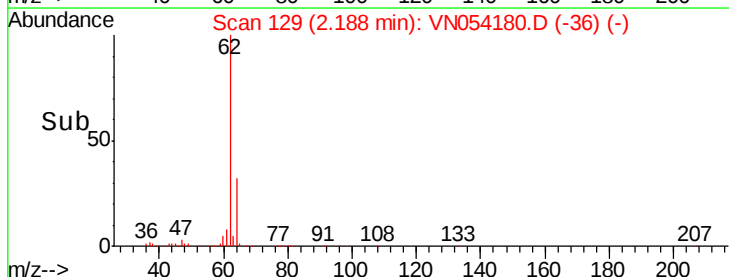
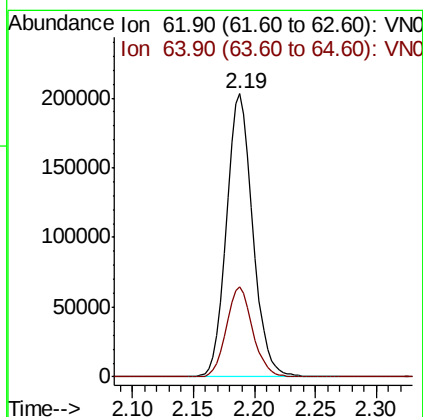
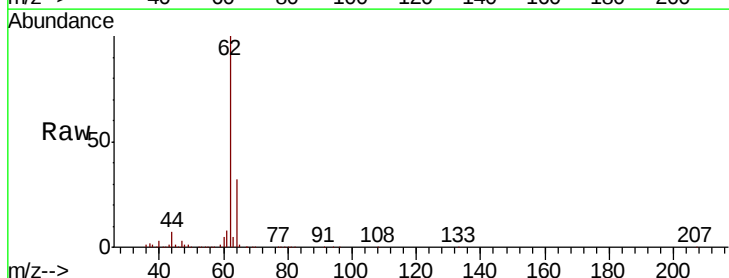
Acq: 12 Mar 2019 23:31

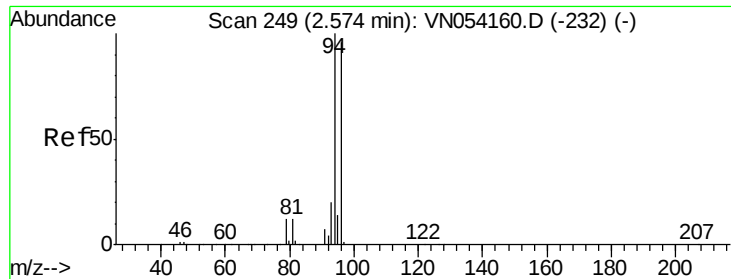
Tgt Ion: 62 Resp: 306744

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 20.311 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

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Tgt Ion: 94 Resp: 208228

Ion Ratio Lower Upper

94 100

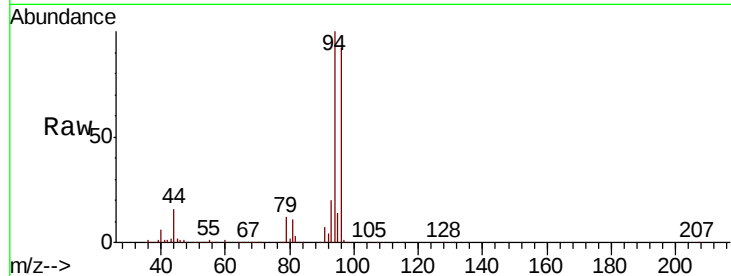
96 91.8 77.0 115.4

Manual Integrations

APPROVED

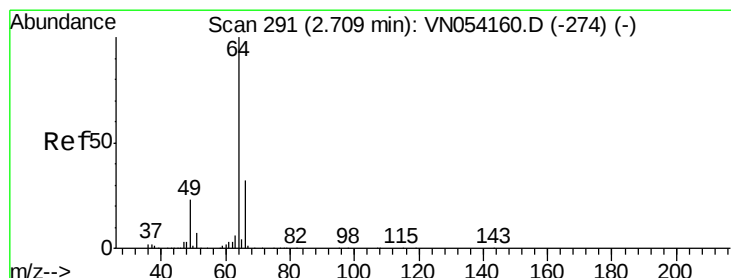
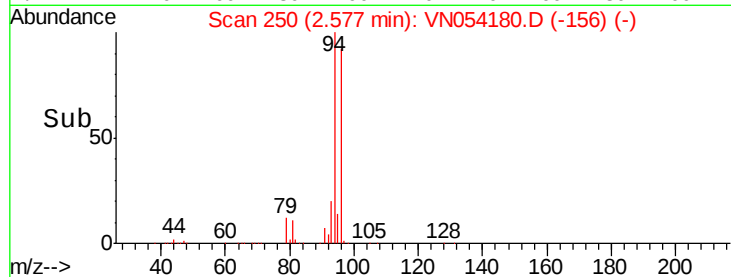
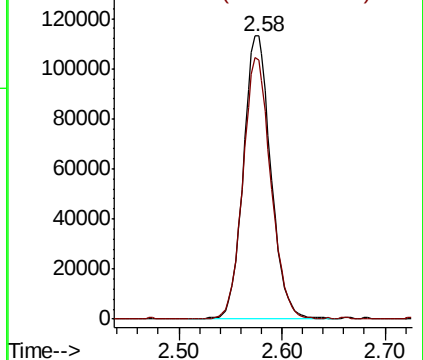
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.838 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054180.D

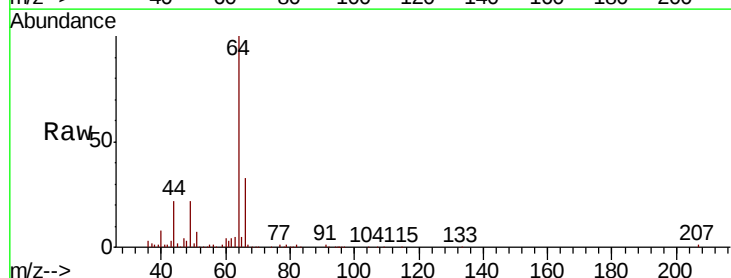
Acq: 12 Mar 2019 23:31

Tgt Ion: 64 Resp: 177666

Ion Ratio Lower Upper

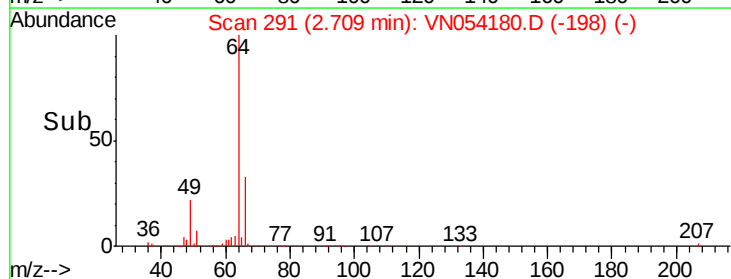
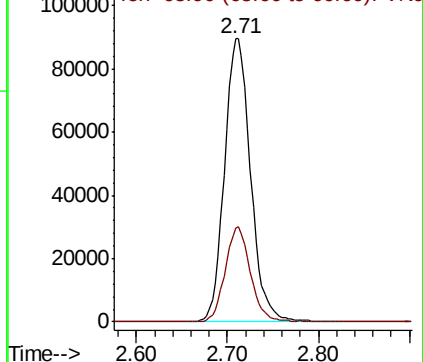
64 100

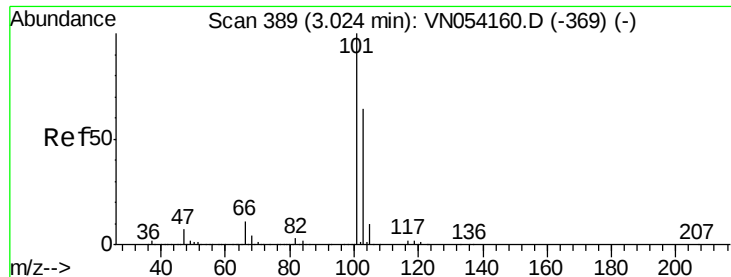
66 33.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

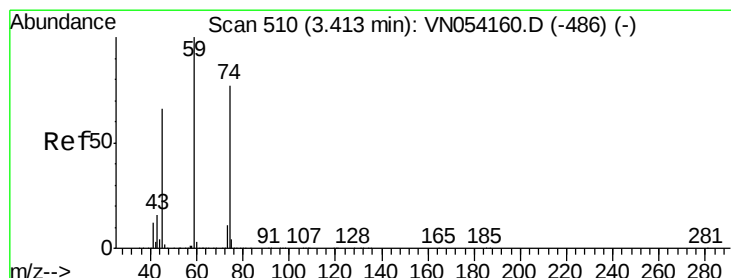
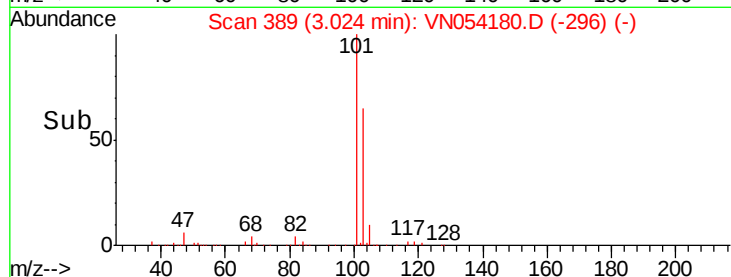
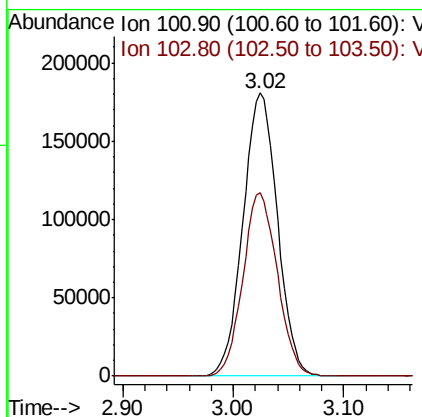
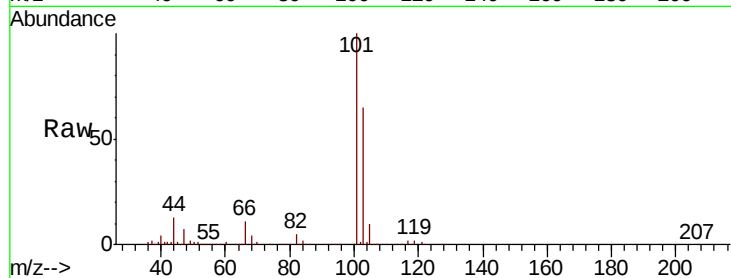
Trichlorofluoromethane
Concen: 19.904 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

Manual Integrations
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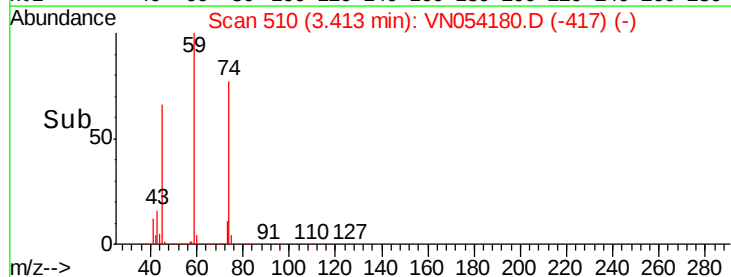
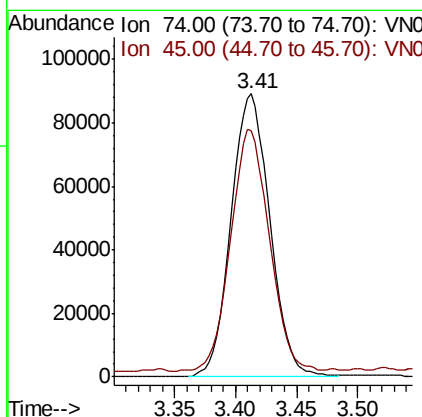
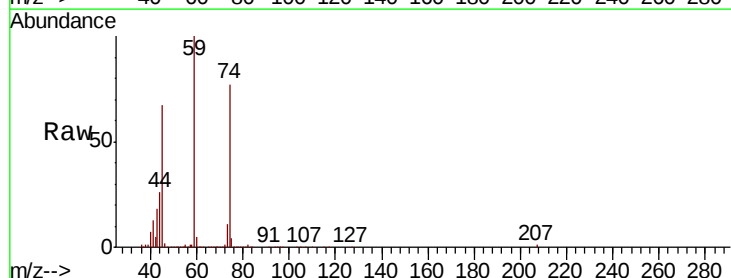
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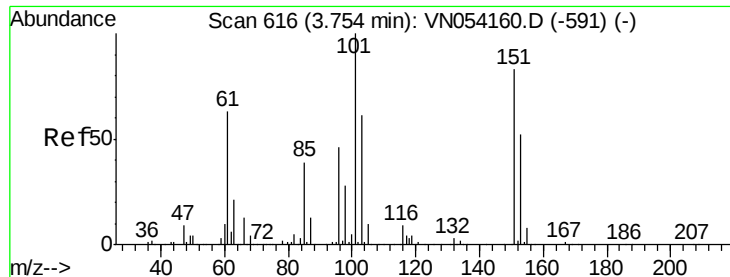


#8

Diethyl Ether
Concen: 22.018 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.0	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.989 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

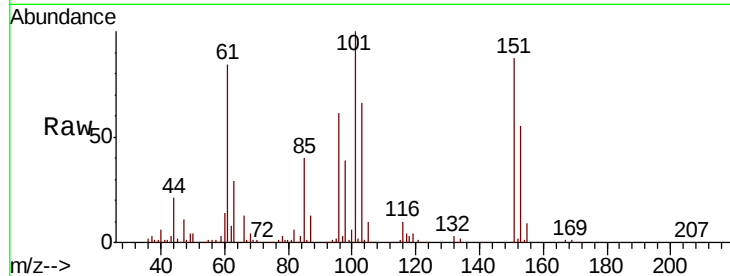
ClientSampleId :

VN0312WBSD02

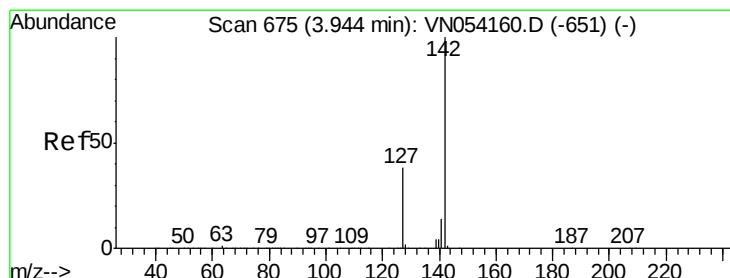
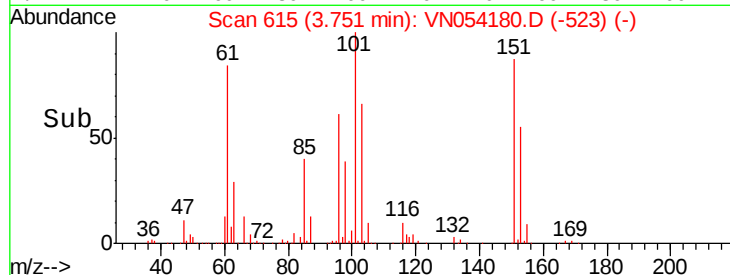
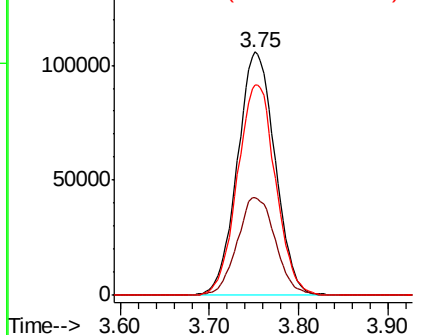
Tgt Ion:	101	Resp:	309542
Ion Ratio	Lower	Upper	
101	100		
85	40.3	32.4	48.6
151	87.6	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.270 ug/l

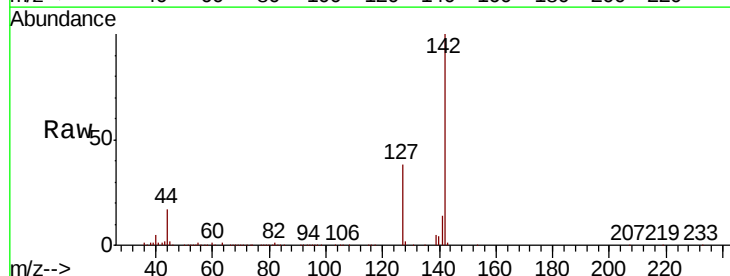
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

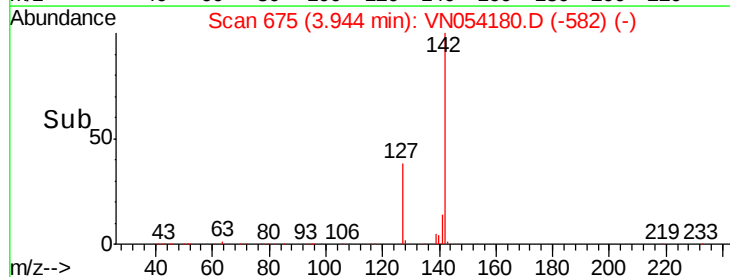
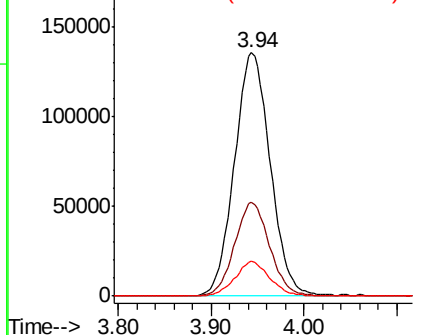
Lab File: VN054180.D

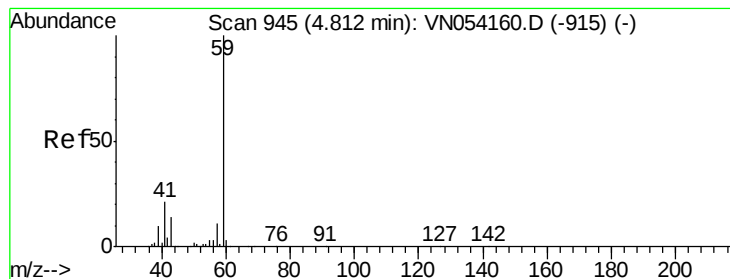
Acq: 12 Mar 2019 23:31

Tgt Ion:	142	Resp:	362118
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.3	45.5
141	13.9	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

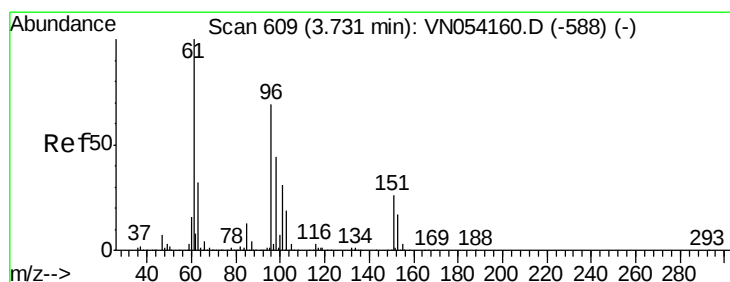
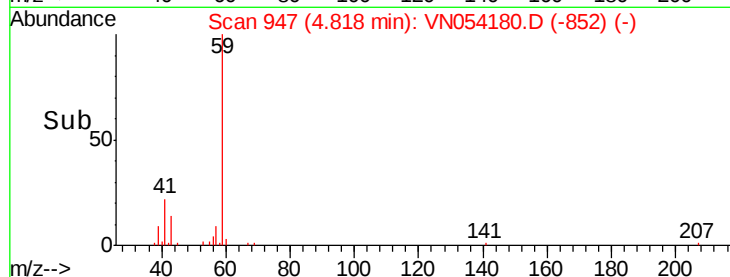
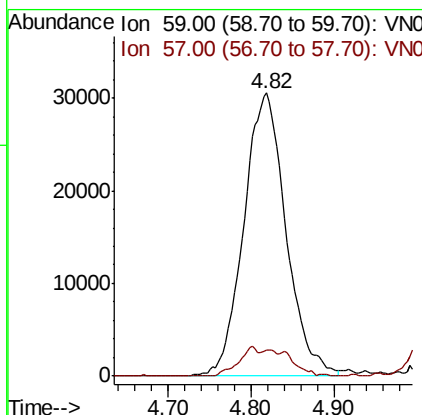
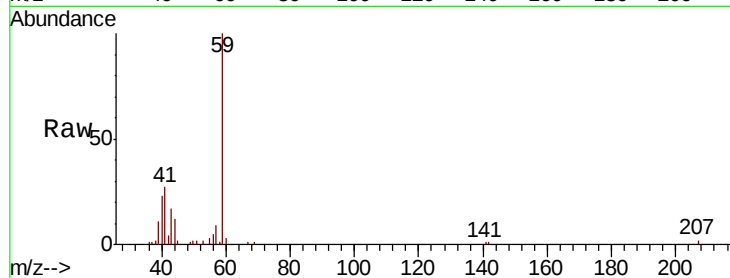
Tert butyl alcohol
 Concen: 105.406 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	107955		
57	5.2	9.0	13.6#	

Manual Integrations
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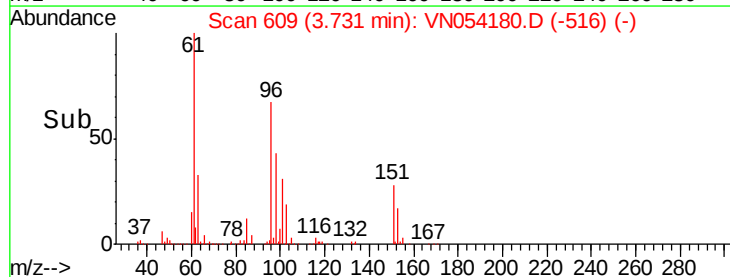
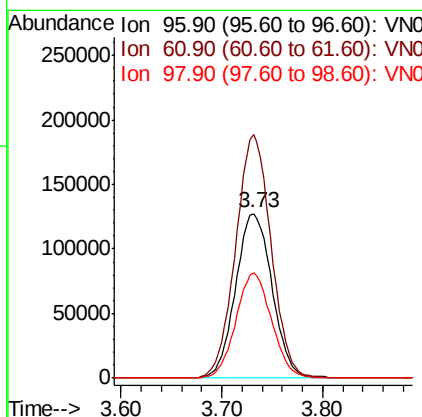
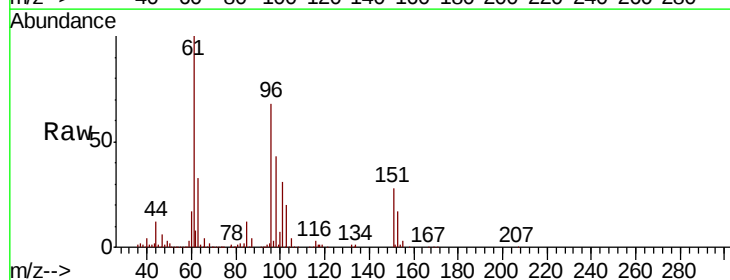
MMDadoda
 3/13/2019 11:41:13 AM

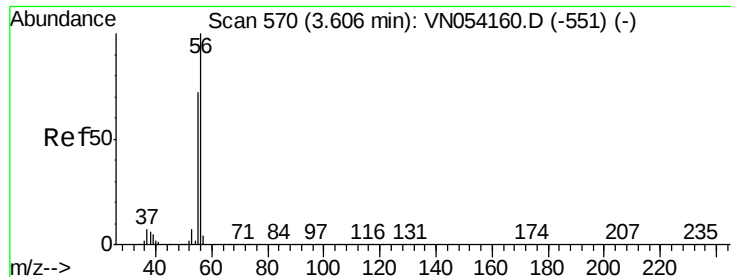


#12

1,1-Dichloroethene
 Concen: 21.636 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	316196		
61	148.4	116.5	174.7	
98	64.0	51.0	76.4	





#13

Acrolein

Concen: 92.384 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tgt Ion: 56 Resp: 89659

Ion Ratio Lower Upper

56 100

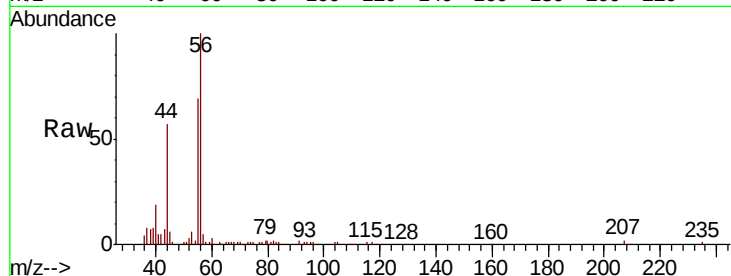
55 65.0 56.7 85.1

Manual Integrations

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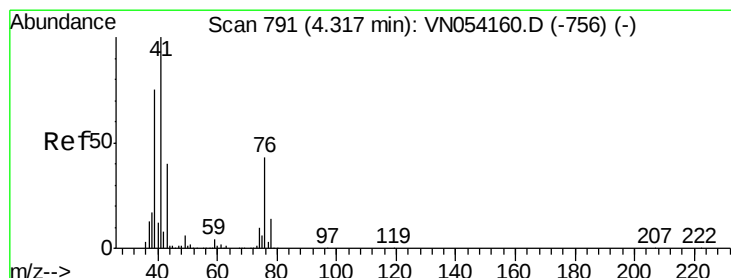
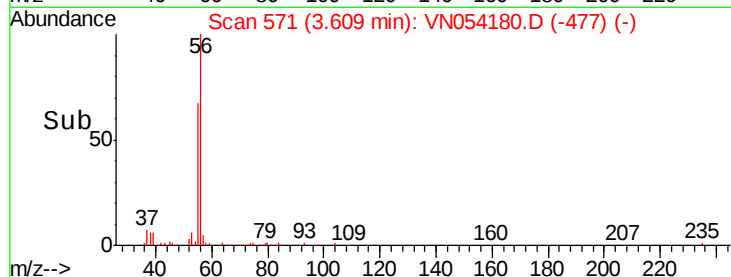
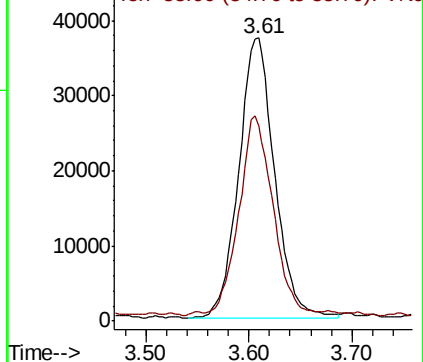
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.833 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

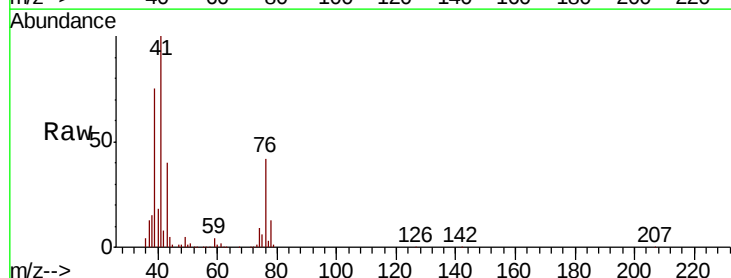
Tgt Ion: 41 Resp: 390637

Ion Ratio Lower Upper

41 100

39 73.5 58.2 87.4

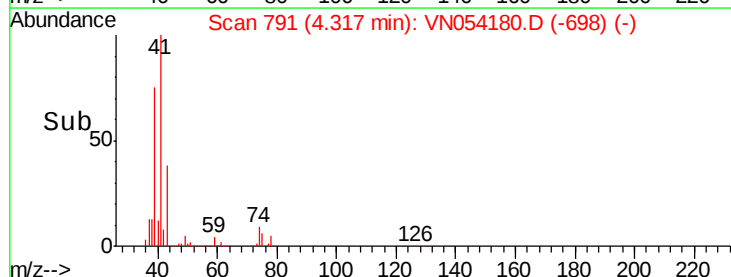
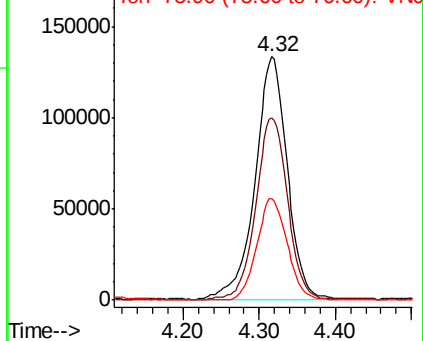
76 39.7 31.7 47.5

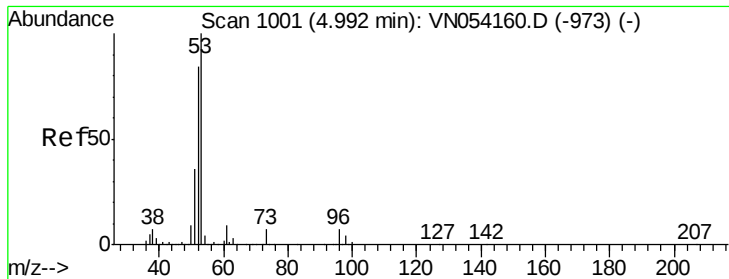


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 110.796 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

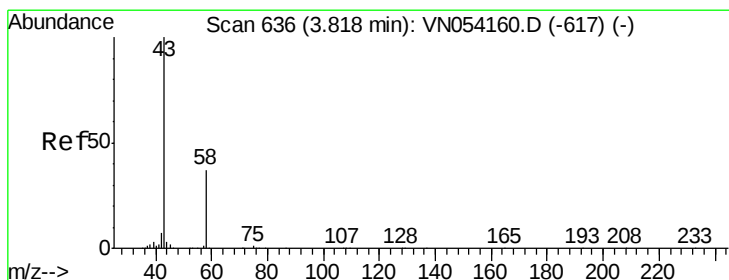
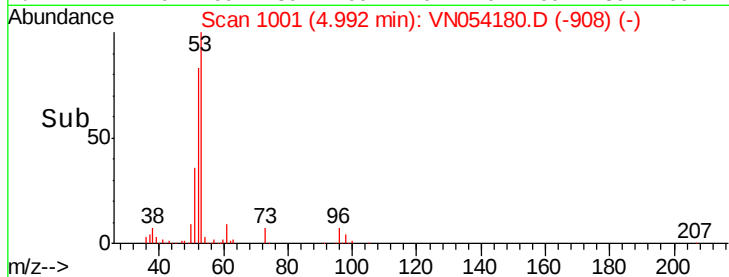
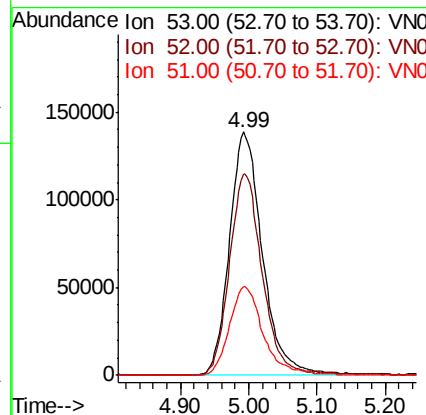
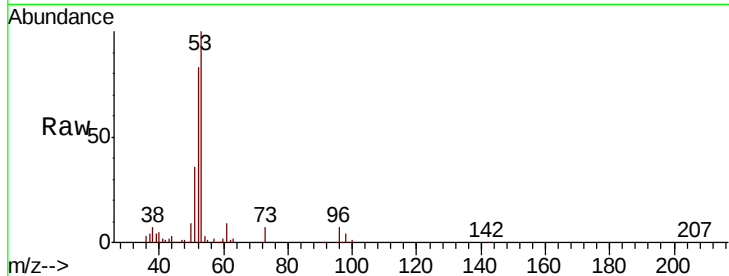
ClientSampleId :

VN0312WBSD02

Tgt Ion:	53	Resp:	466121
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.4	99.6
51	37.6	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 82.054 ug/l

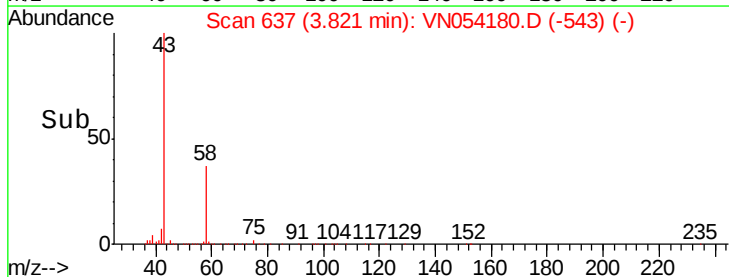
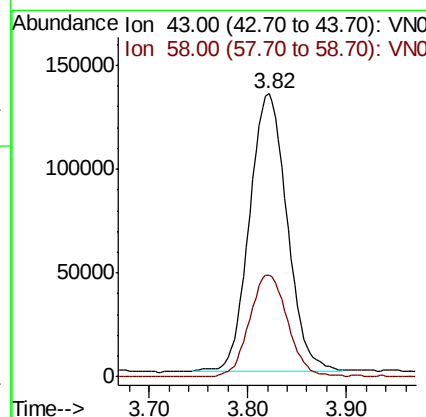
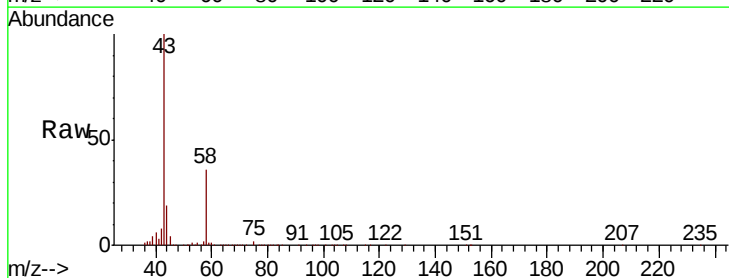
RT: 3.82 min Scan# 637

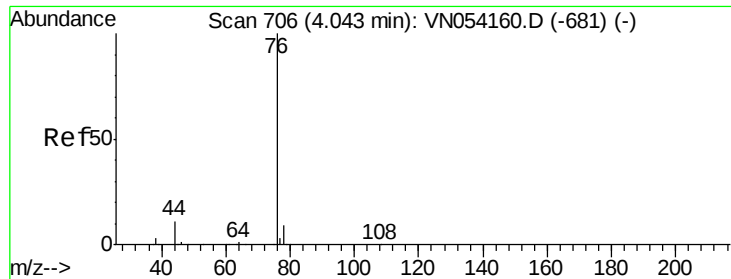
Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion:	43	Resp:	350992
Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.9	44.9





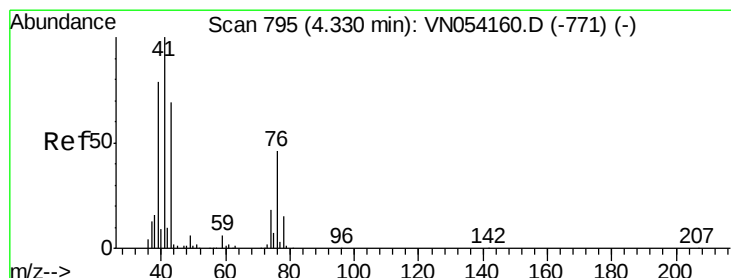
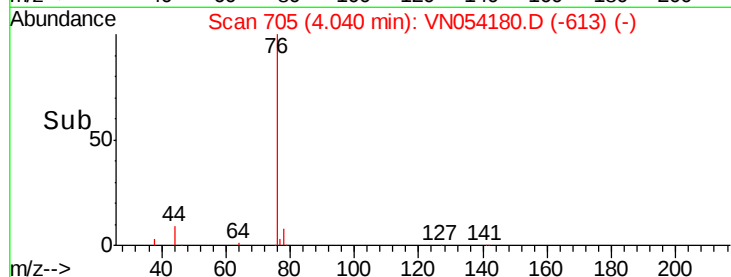
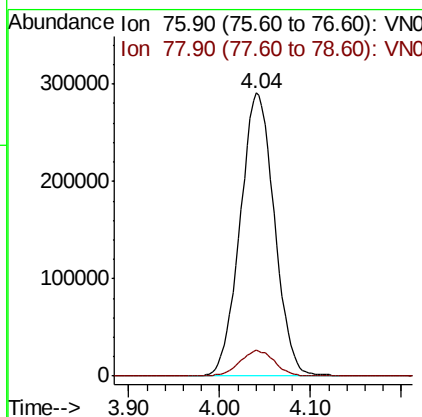
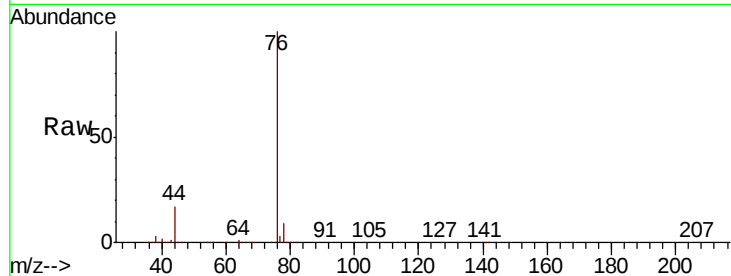
#17
Carbon Disulfide
Concen: 20.757 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

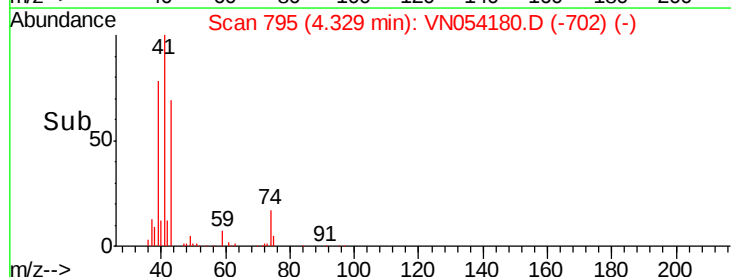
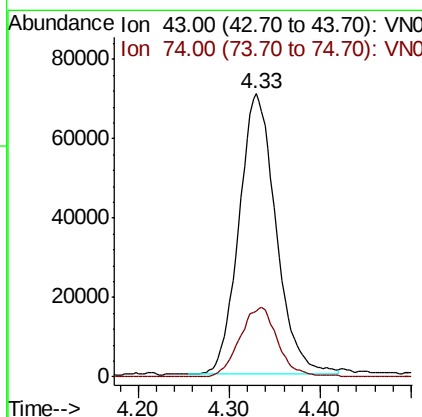
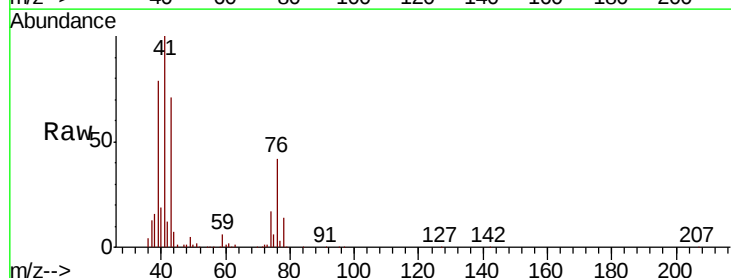
Manual Integrations
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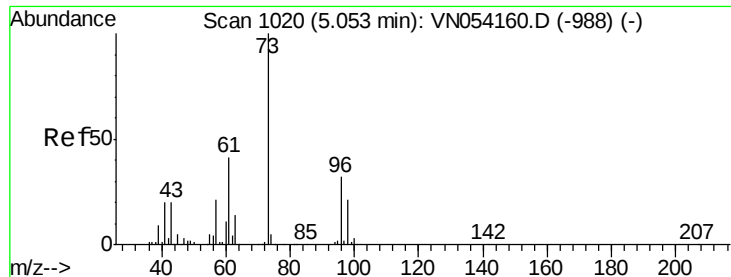
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#18
Methyl Acetate
Concen: 23.153 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.8	31.2





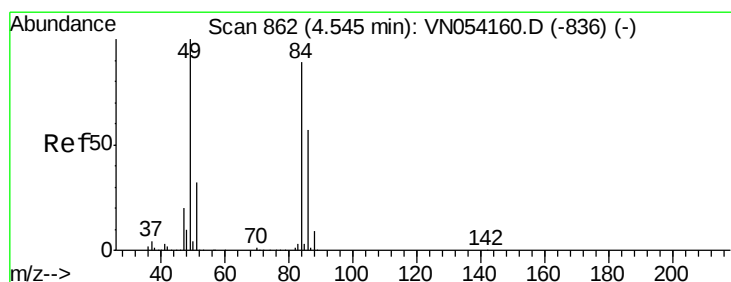
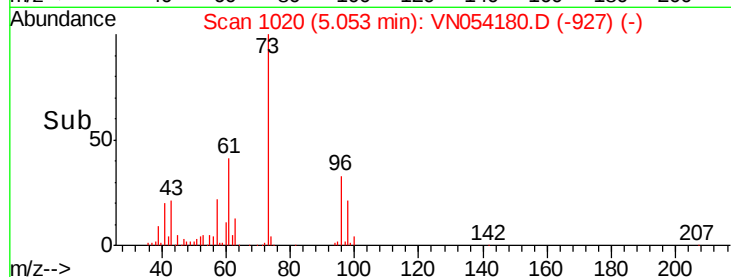
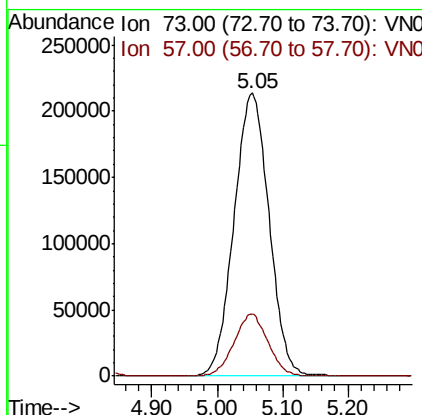
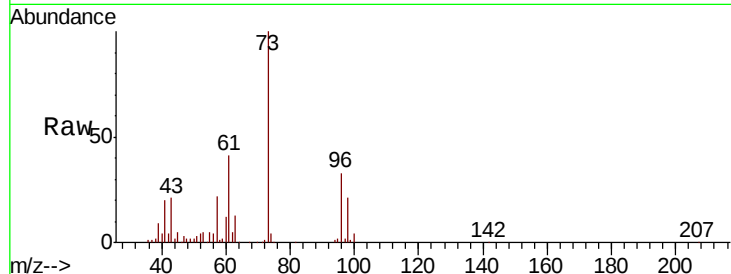
#19
Methyl tert-butyl Ether
Concen: 22.000 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion: 73 Resp: 796951
Ion Ratio Lower Upper
73 100
57 22.0 16.8 25.2

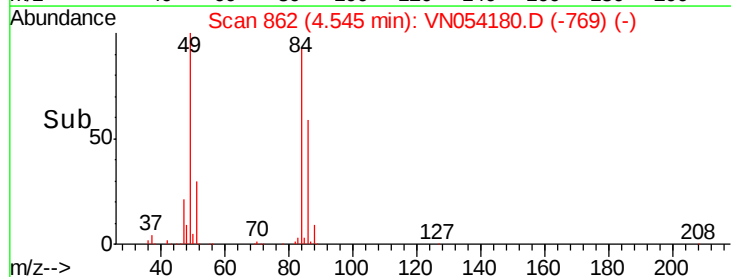
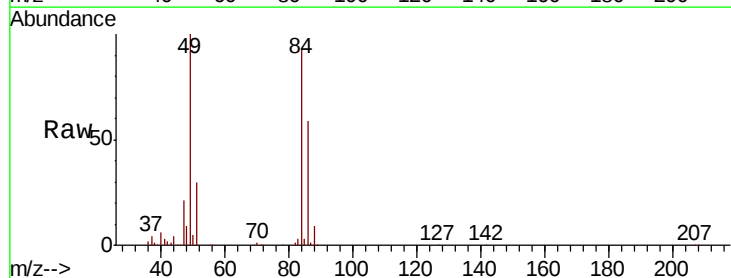
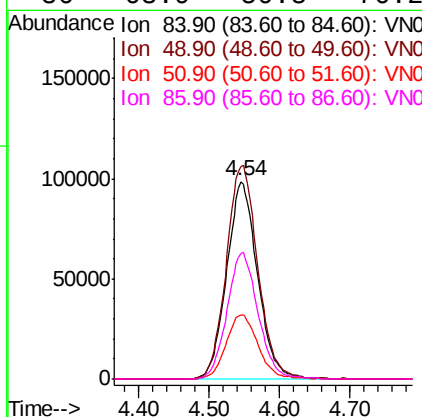
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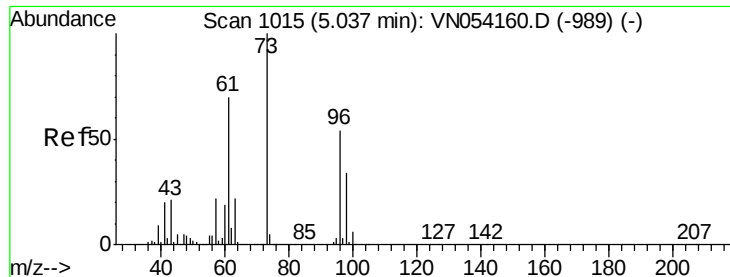
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#20
Methylene Chloride
Concen: 21.454 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 84 Resp: 301333
Ion Ratio Lower Upper
84 100
49 107.7 89.7 134.5
51 32.6 28.2 42.4
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.480 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

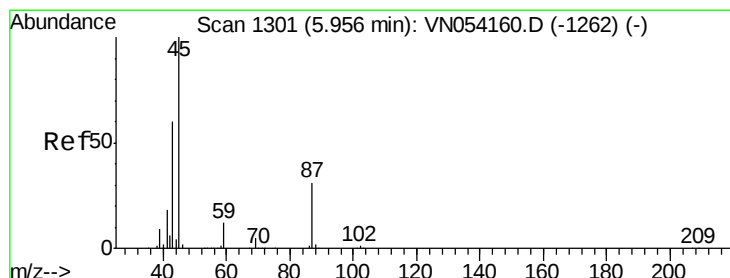
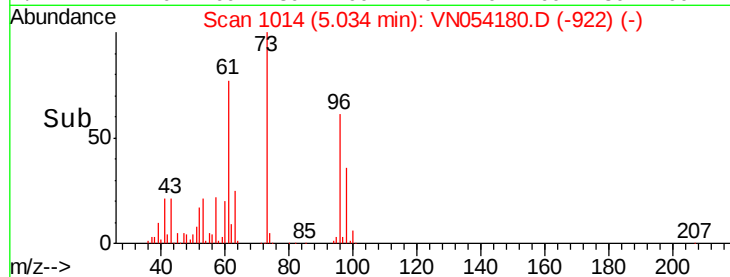
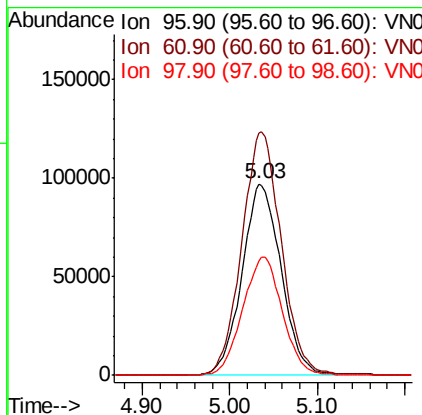
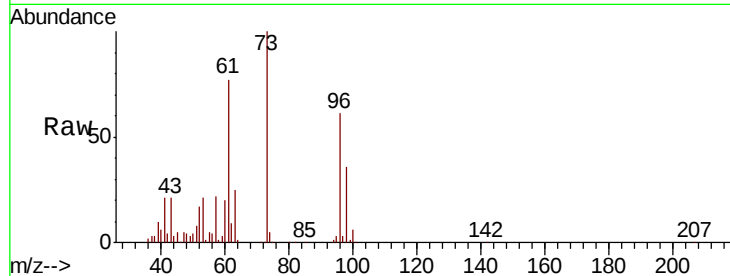
ClientSampleId :

VN0312WBSD02

Tgt Ion:	96	Resp:	300784
Ion	Ratio	Lower	Upper
96	100		
61	126.8	102.8	154.2
98	59.6	50.0	75.0

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#22

Diisopropyl ether

Concen: 21.028 ug/l

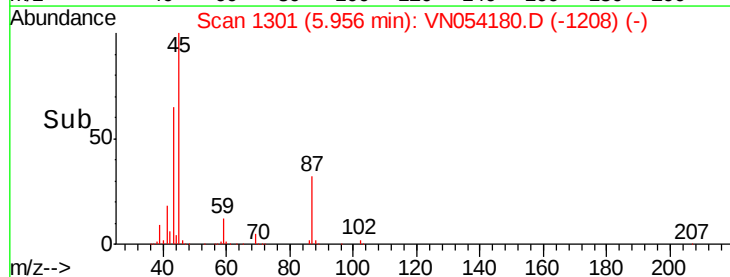
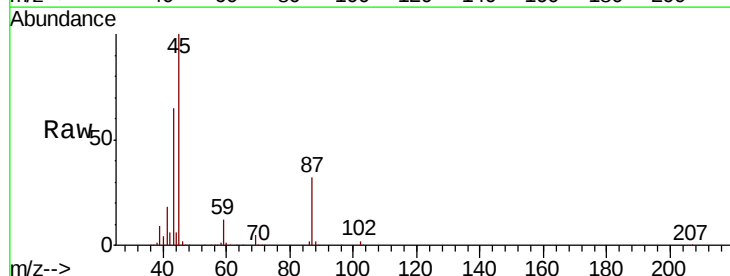
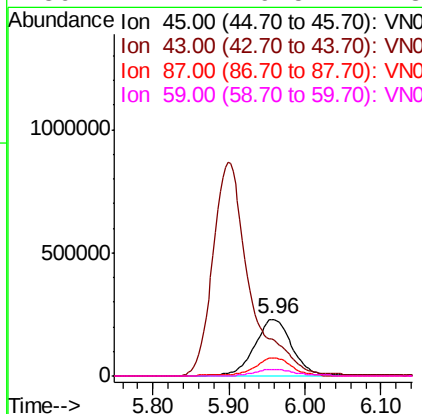
RT: 5.96 min Scan# 1301

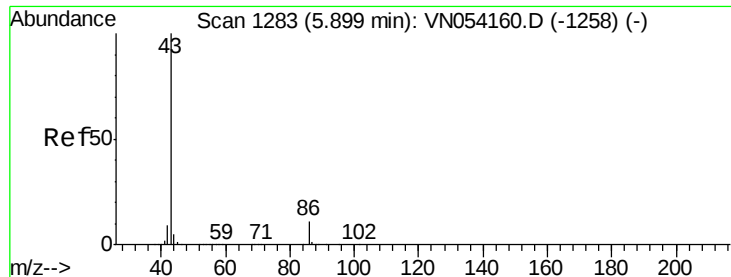
Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion:	45	Resp:	786942
Ion	Ratio	Lower	Upper
45	100		
43	61.6	48.2	72.2
87	31.6	24.9	37.3
59	11.4	9.5	14.3





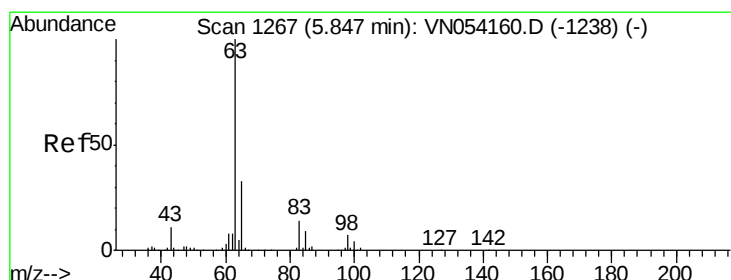
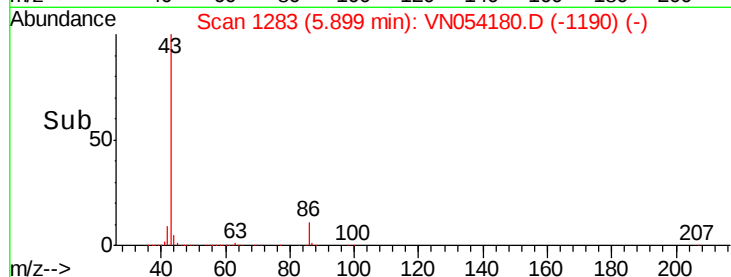
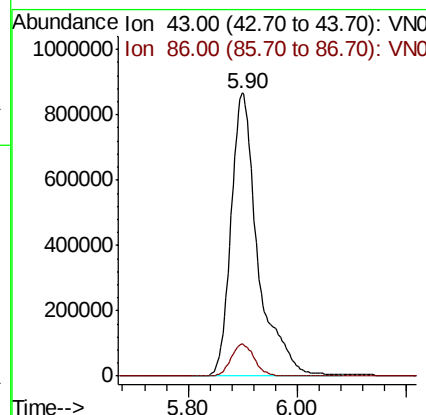
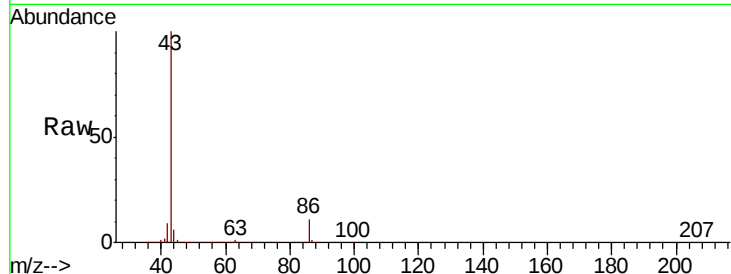
#23
 Vinyl Acetate
 Concen: 106.892 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0312WBSD02

Tgt Ion: 43 Resp: 2949431
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.1 13.7

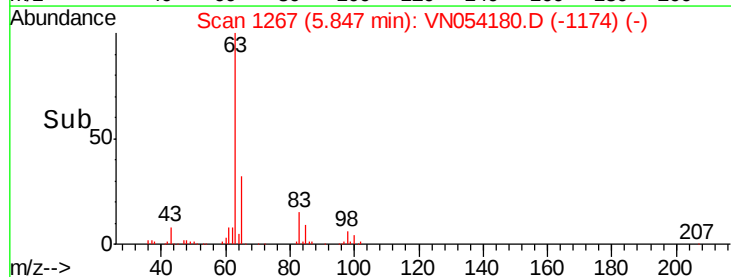
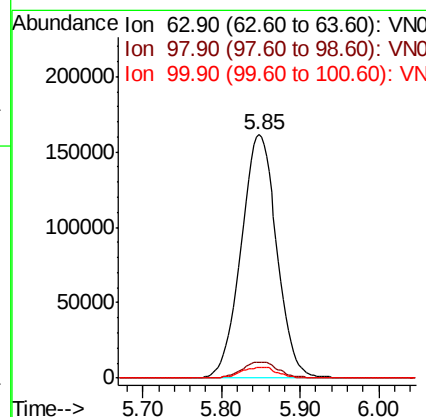
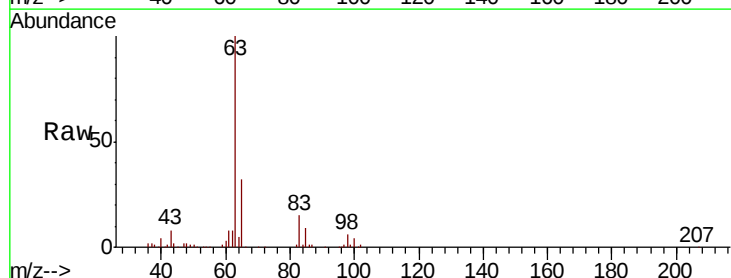
Manual Integrations
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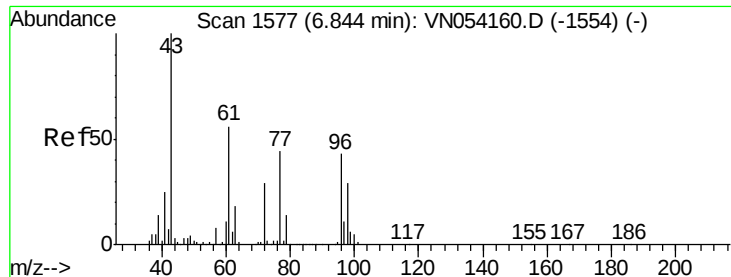
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#24
 1,1-Dichloroethane
 Concen: 21.308 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion: 63 Resp: 512016
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 102.319 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tgt Ion: 43 Resp: 513696

Ion Ratio Lower Upper

43 100

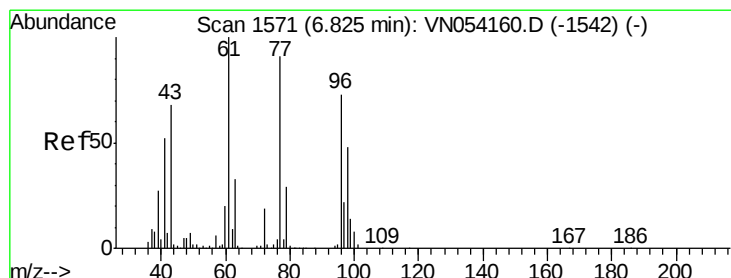
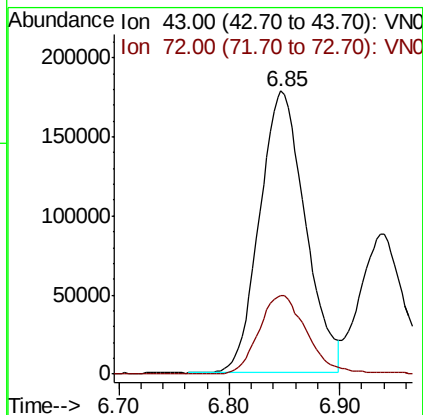
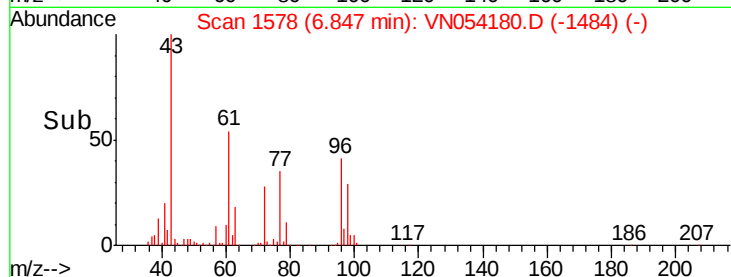
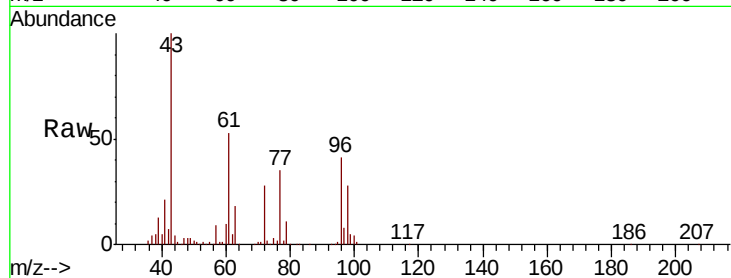
72 28.1 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.211 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054180.D

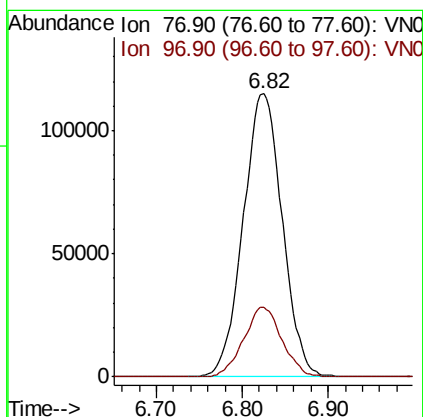
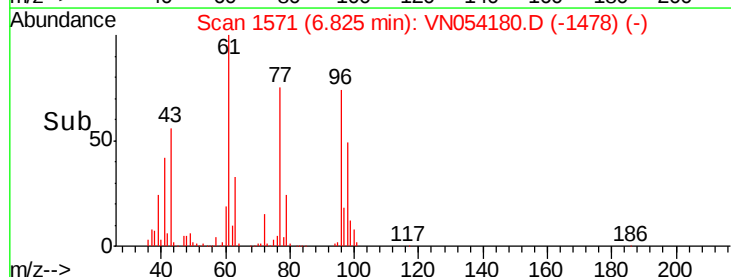
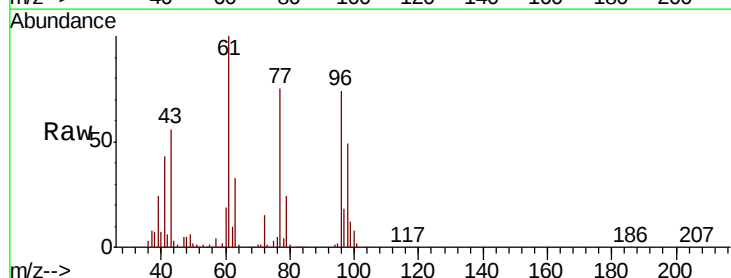
Acq: 12 Mar 2019 23:31

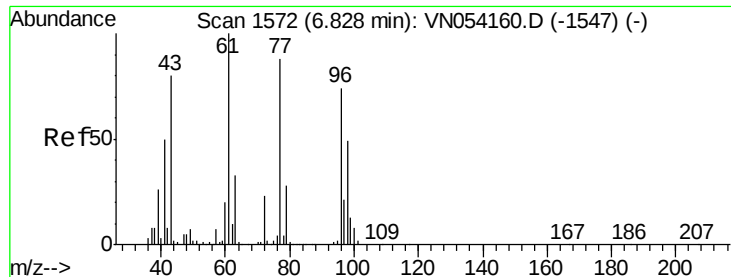
Tgt Ion: 77 Resp: 363689

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.9





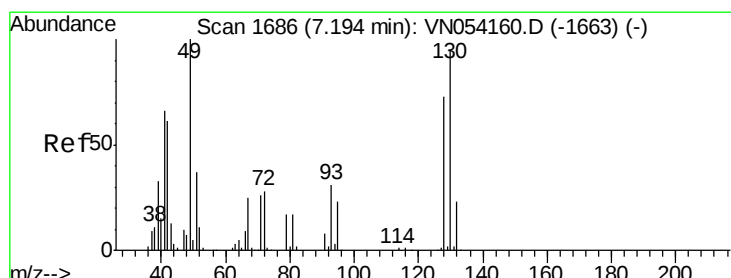
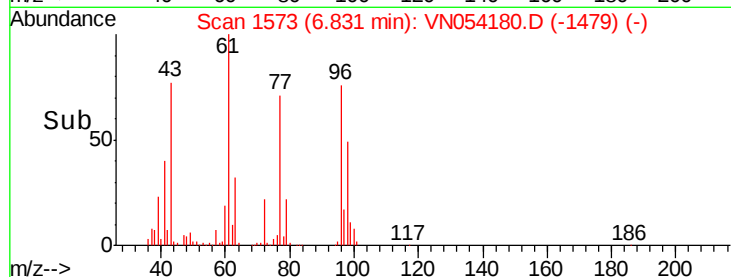
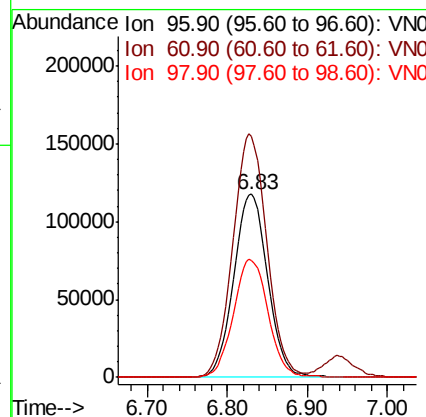
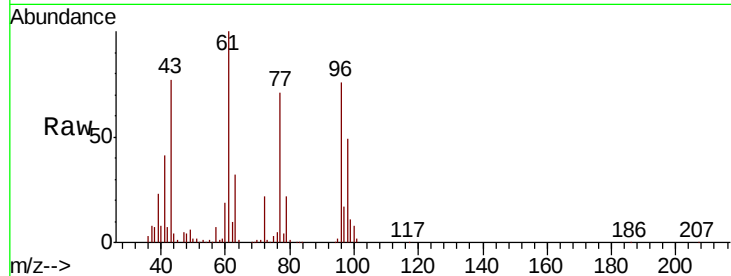
#27
 cis-1,2-Dichloroethene
 Concen: 21.687 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	338783		
61	133.1	0.0	273.0	
98	65.7	0.0	130.6	

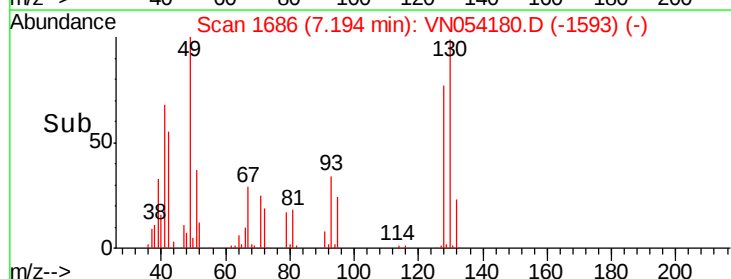
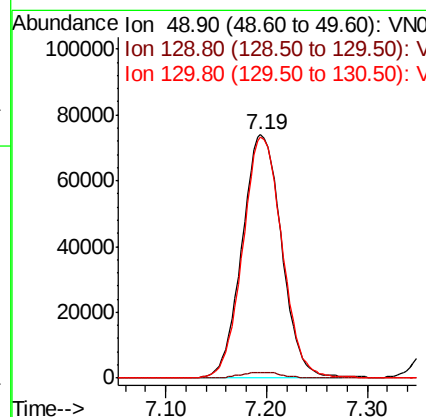
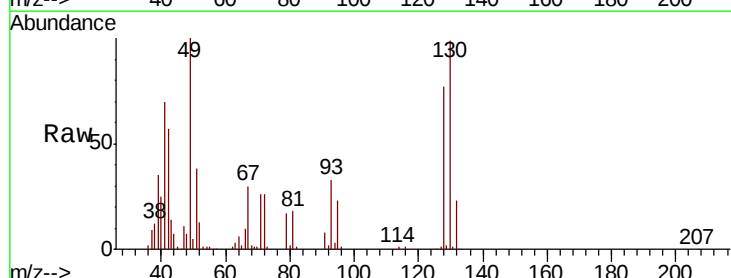
Manual Integrations
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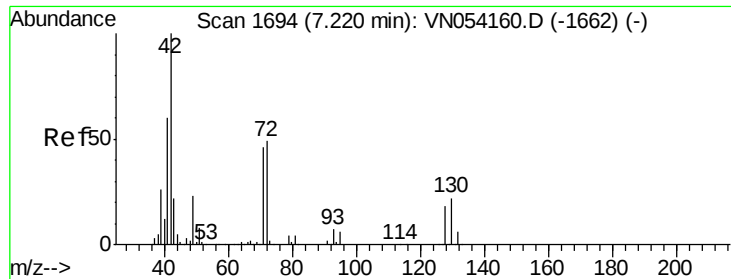
MMDadoda
 3/13/2019 11:41:13 AM



#28
 Bromochloromethane
 Concen: 20.464 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	201026		
129	1.4	0.0	4.6	
130	98.6	76.7	115.1	





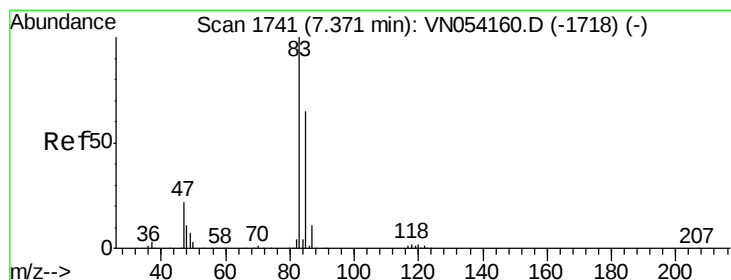
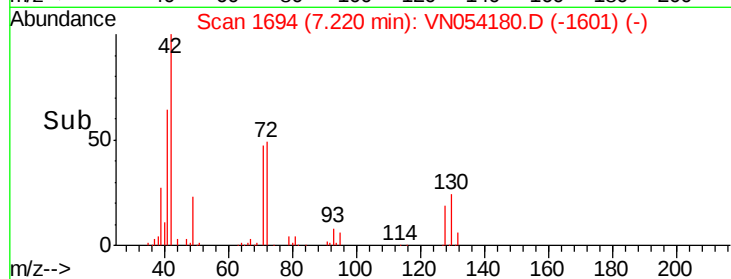
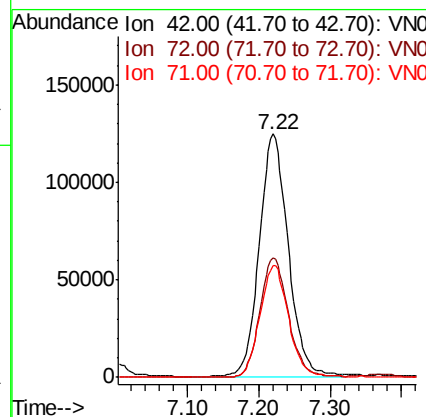
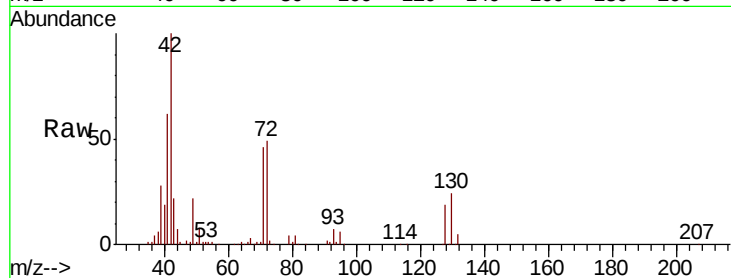
#29
Tetrahydrofuran
Concen: 108.914 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.8	56.6
71	45.4	36.2	54.2

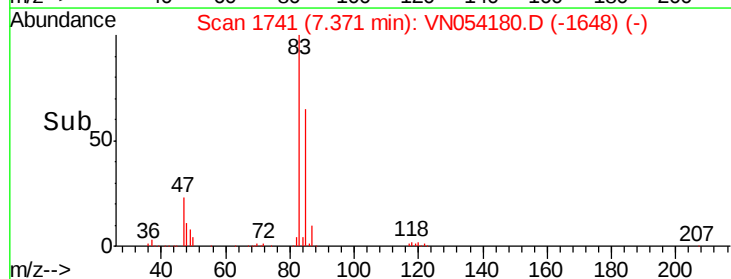
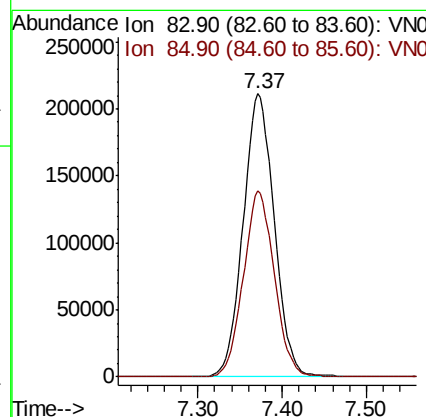
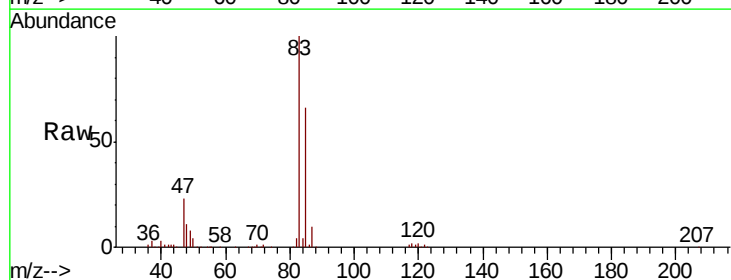
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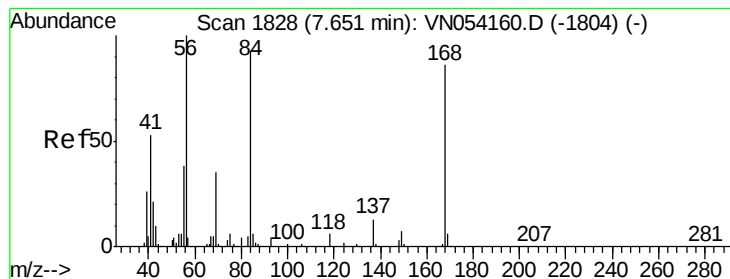
MMDadoda
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#30
Chloroform
Concen: 21.653 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.4





#31

Cyclohexane

Concen: 20.292 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

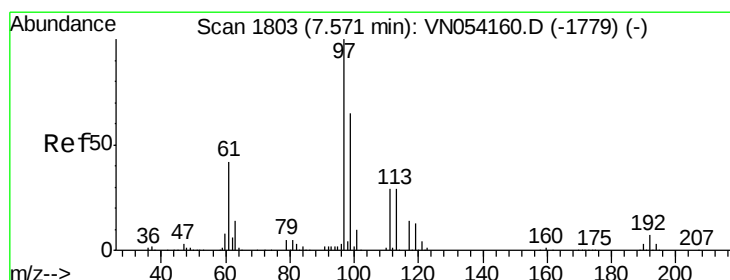
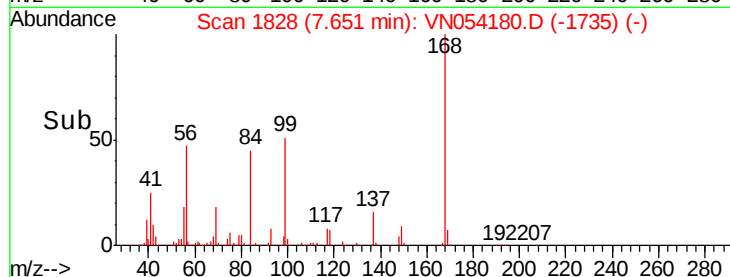
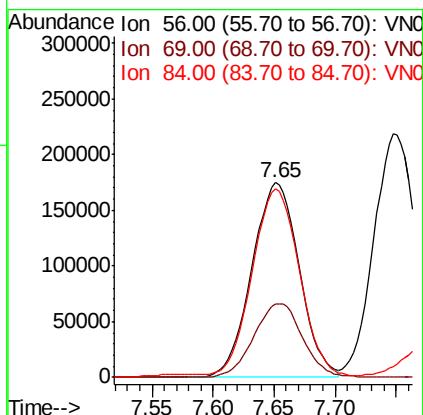
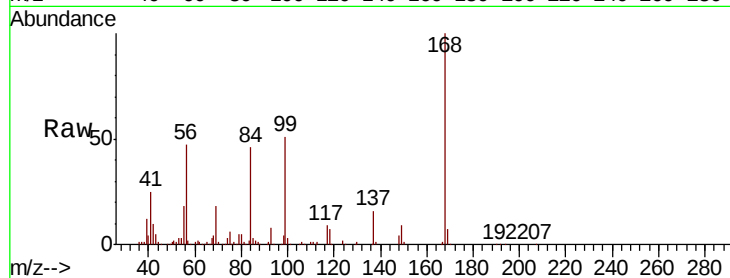
ClientSampleId :

VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.6	27.8	41.6
84	95.6	74.6	111.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.101 ug/l

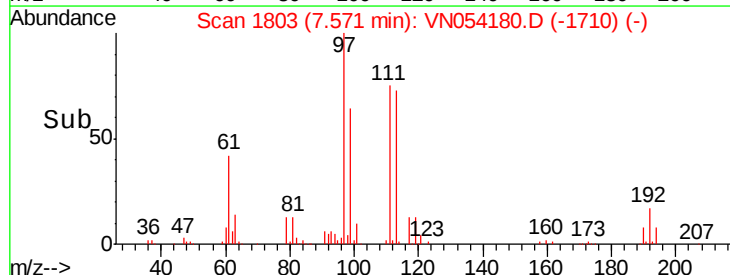
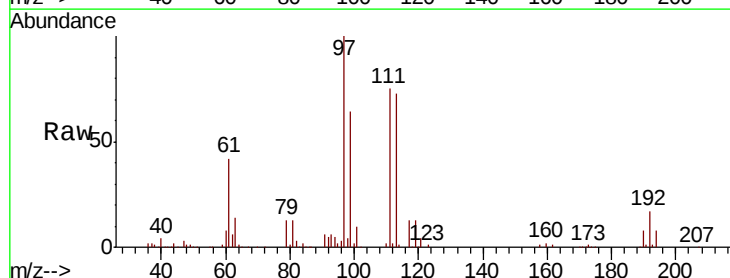
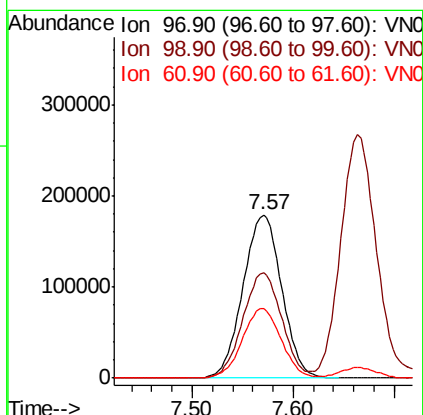
RT: 7.57 min Scan# 1803

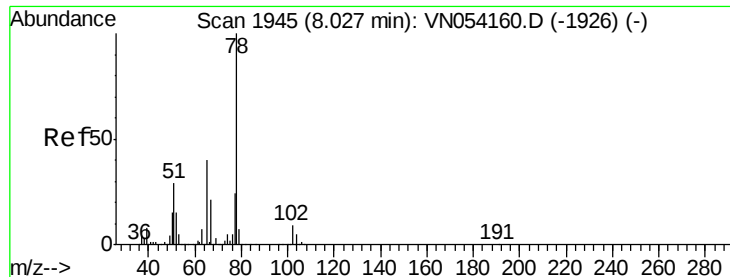
Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	42.6	33.6	50.4





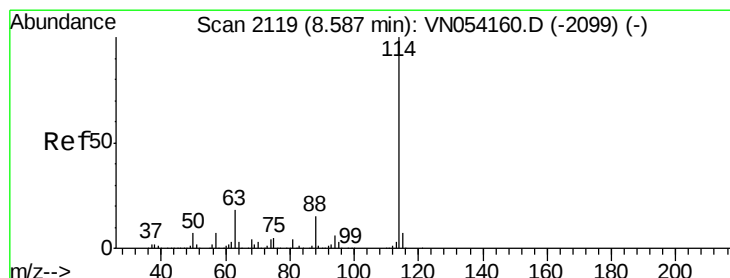
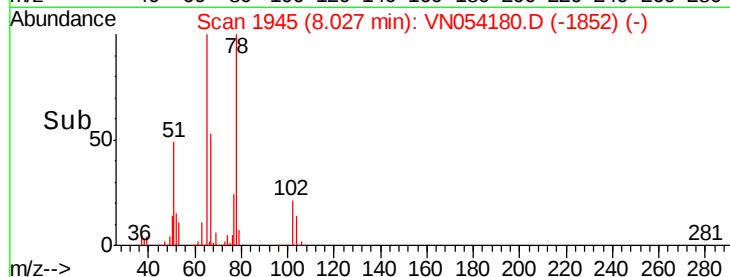
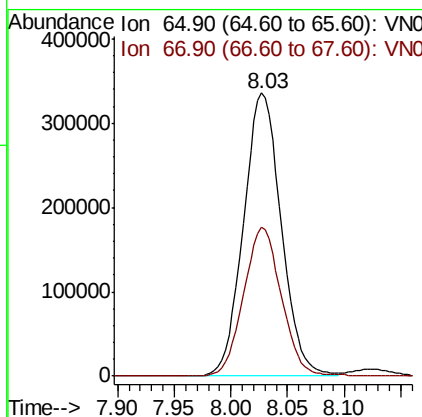
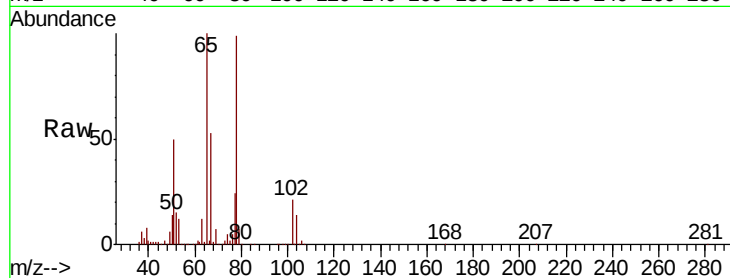
#33
 1,2-Dichloroethane-d4
 Concen: 52.148 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	779072		
67	52.8	0.0	104.6	

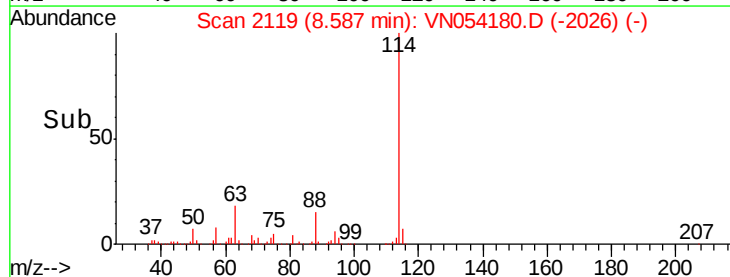
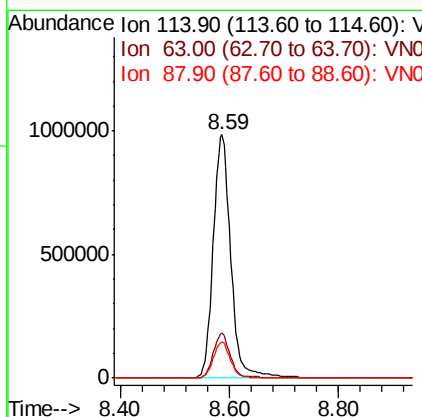
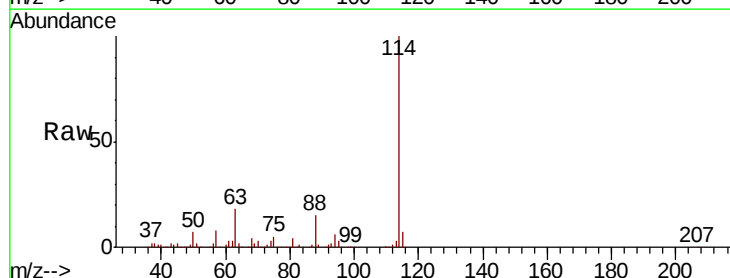
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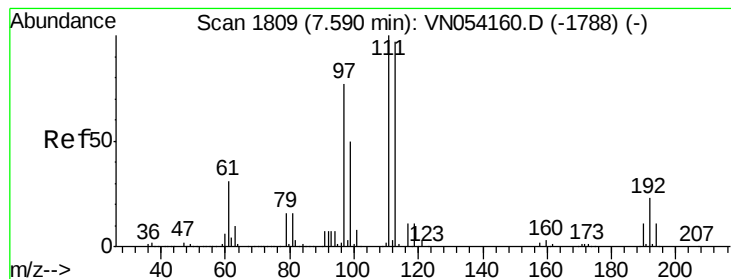
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2192616		
63	18.3	0.0	35.2	
88	14.7	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.464 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

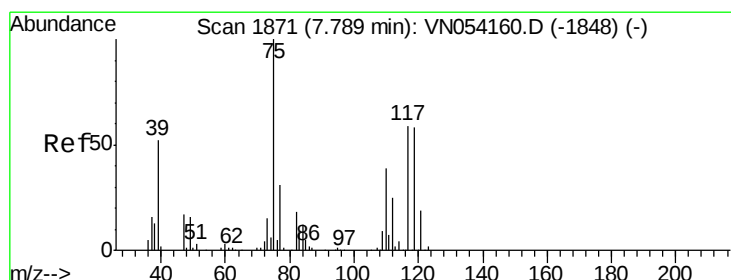
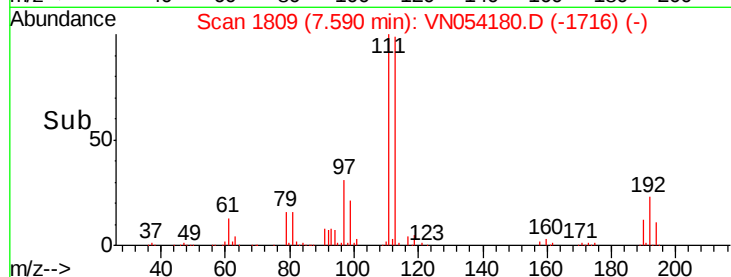
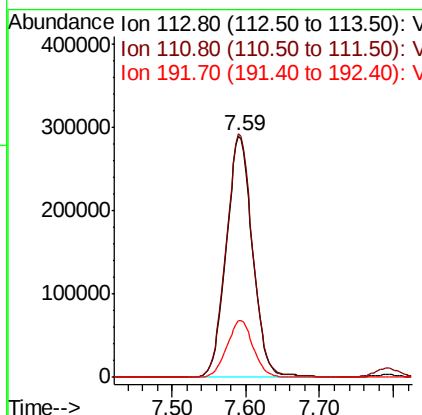
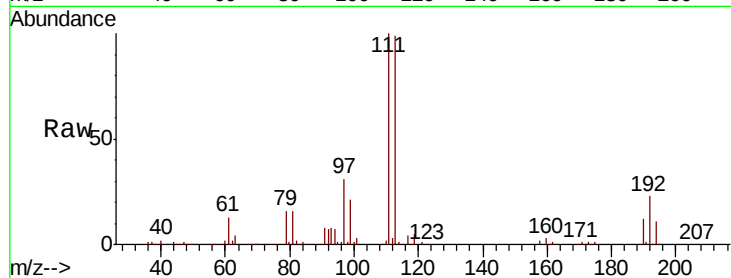
ClientSampleId :

VN0312WBSD02

Tgt Ion:	113	Resp:	713629
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.2	123.4
192	23.6	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 20.229 ug/l

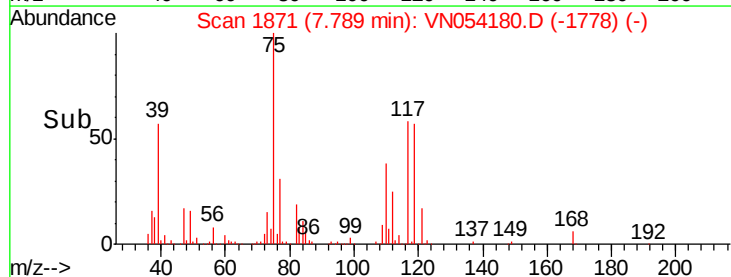
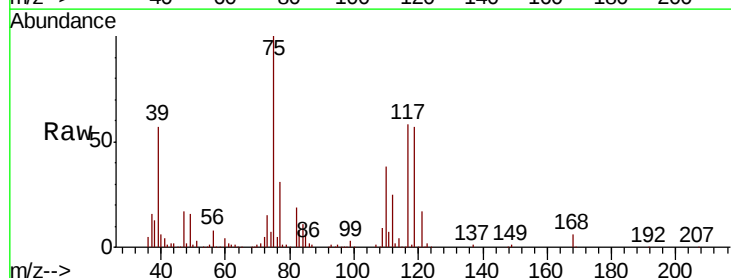
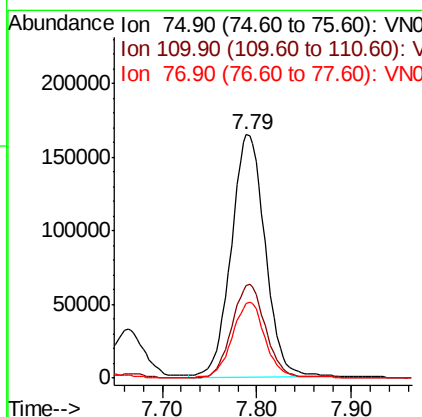
RT: 7.79 min Scan# 1871

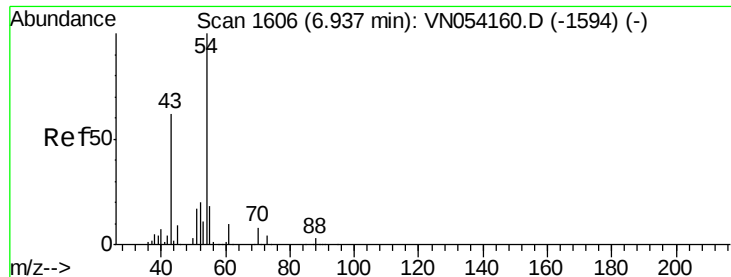
Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion:	75	Resp:	408457
Ion Ratio	Lower	Upper	
75	100		
110	38.4	19.1	57.5
77	30.5	25.0	37.4





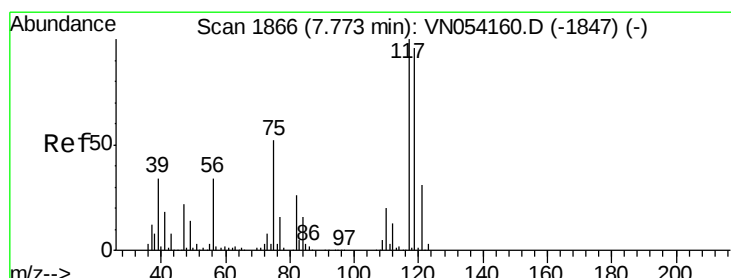
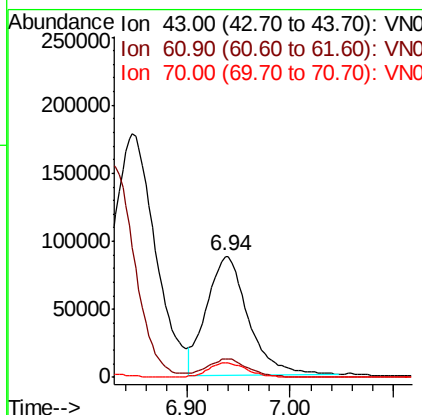
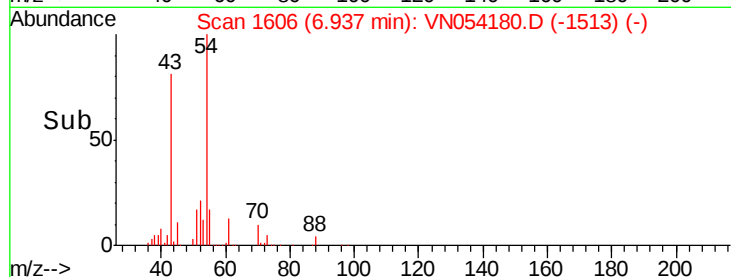
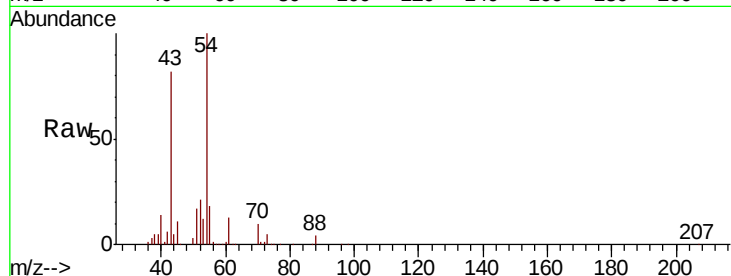
#37
Ethyl Acetate
Concen: 21.016 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	10.8	8.4	12.6

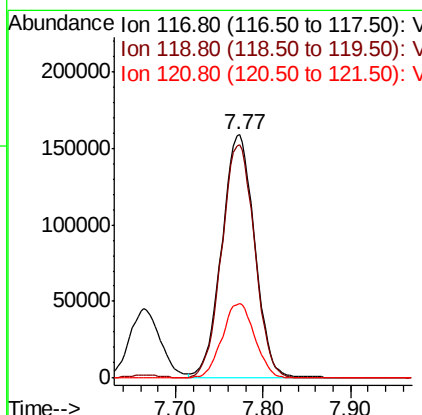
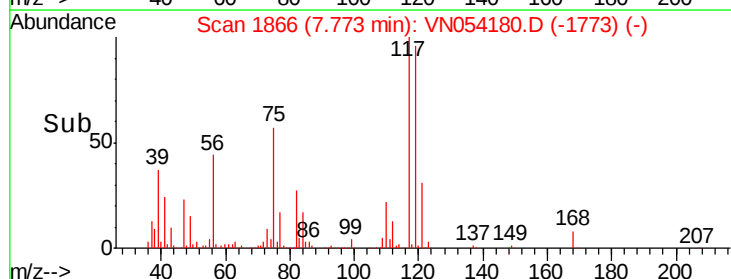
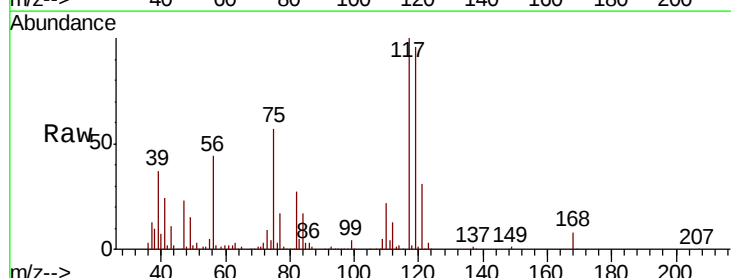
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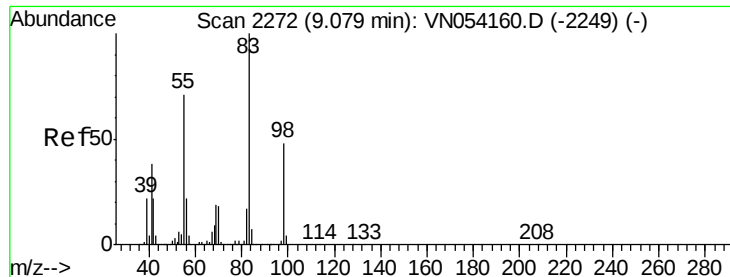
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#38
Carbon Tetrachloride
Concen: 19.520 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.3	114.5
121	30.7	24.6	36.8





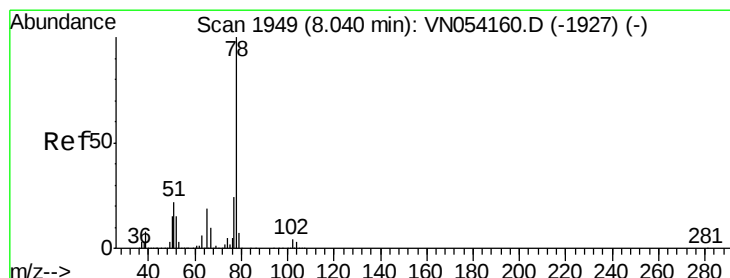
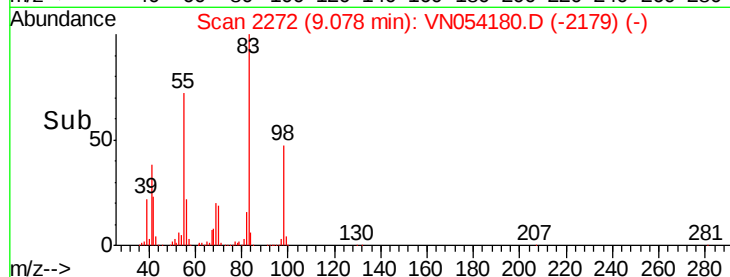
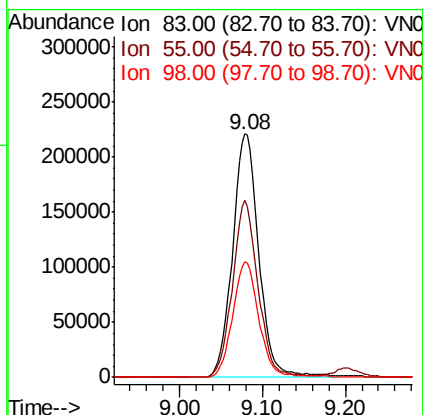
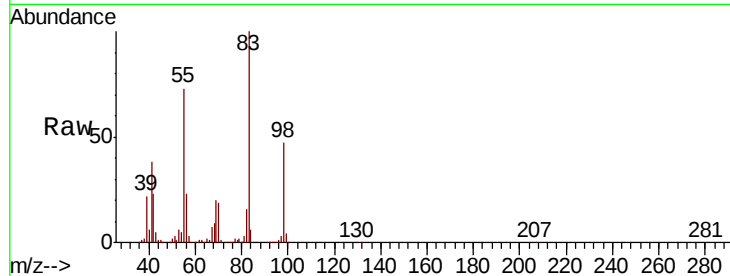
#39
Methylcyclohexane
Concen: 19.701 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.5	56.6	84.8
98	47.5	38.4	57.6

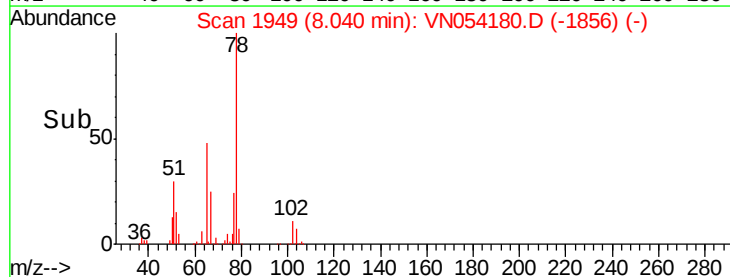
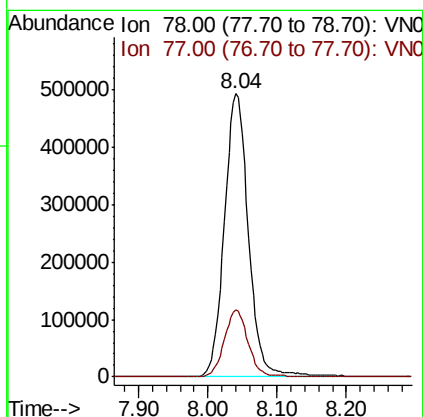
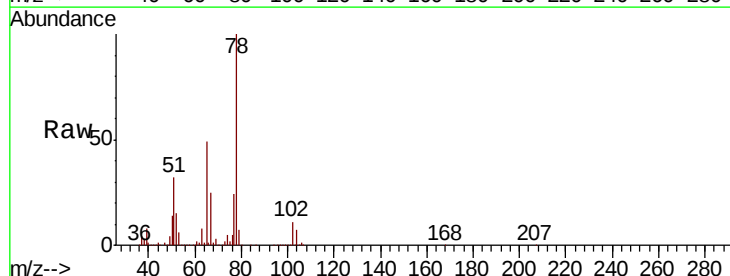
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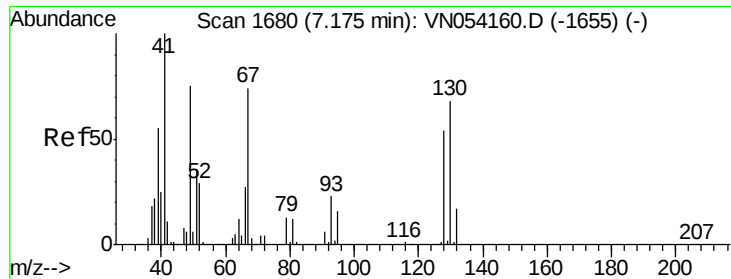
MMDadoda
3/13/2019 11:41:13 AM



#40
Benzene
Concen: 20.757 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





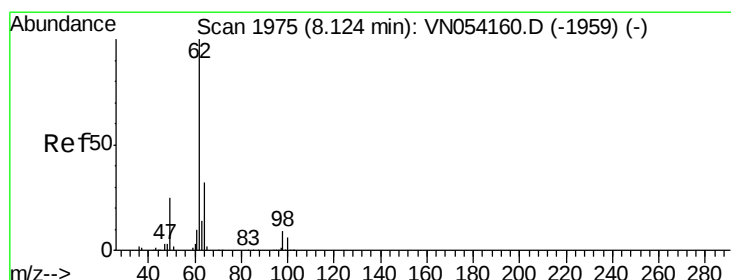
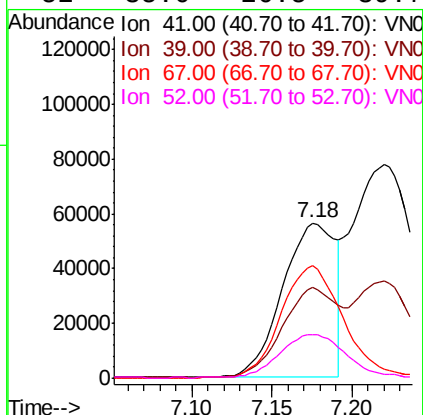
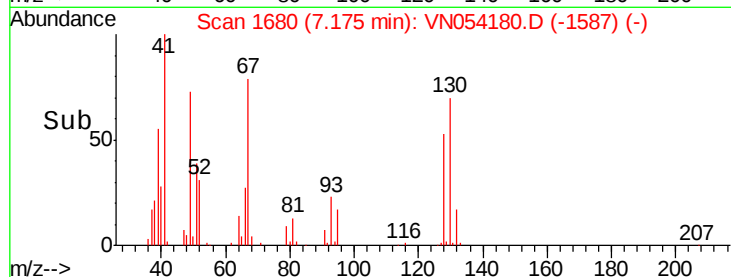
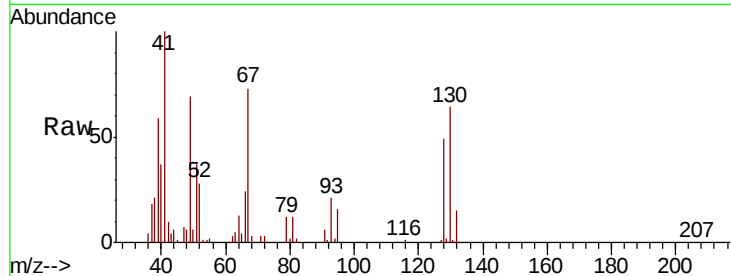
#41
Methacrylonitrile
Concen: 19.592 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.8	46.8	70.2
67	85.7	67.0	100.4
52	35.0	26.5	39.7

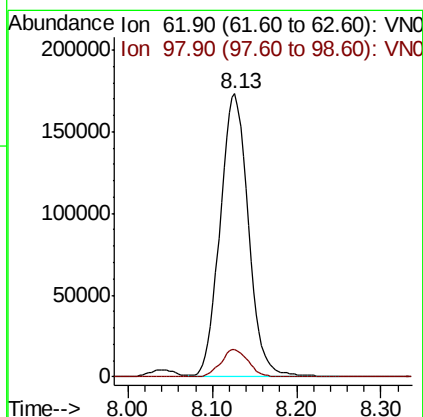
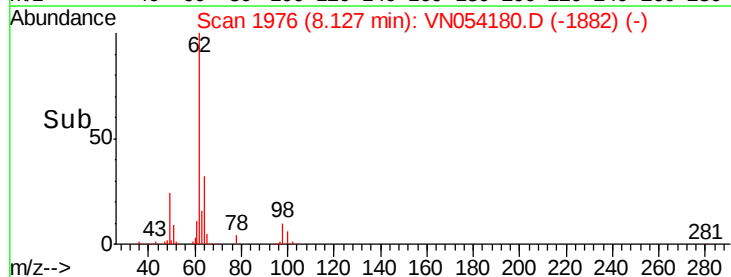
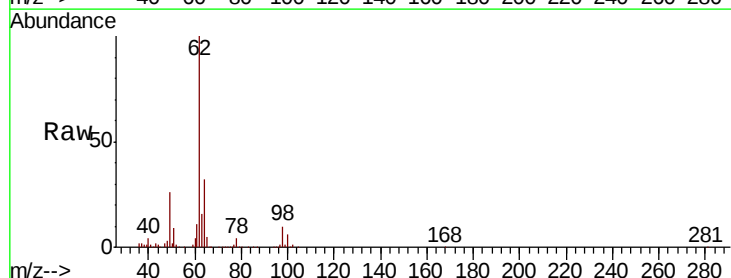
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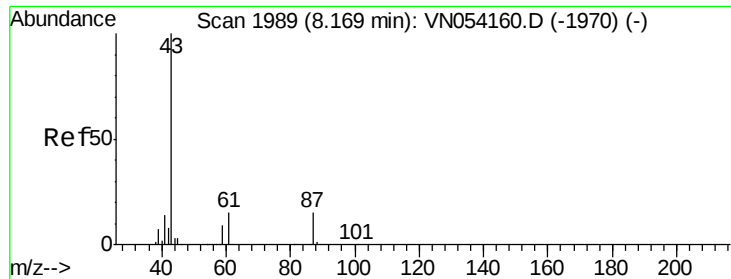
MMDadoda
3/13/2019 11:41:13 AM



#42
1,2-Dichloroethane
Concen: 20.663 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





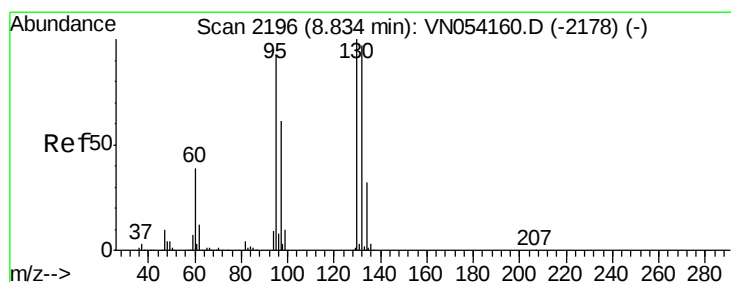
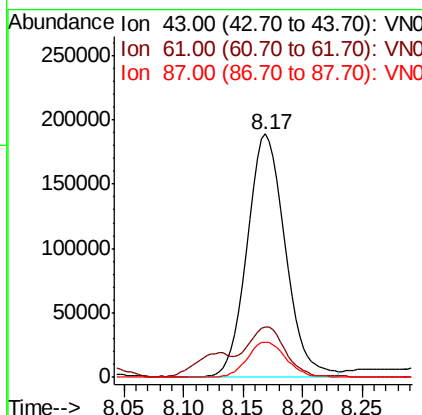
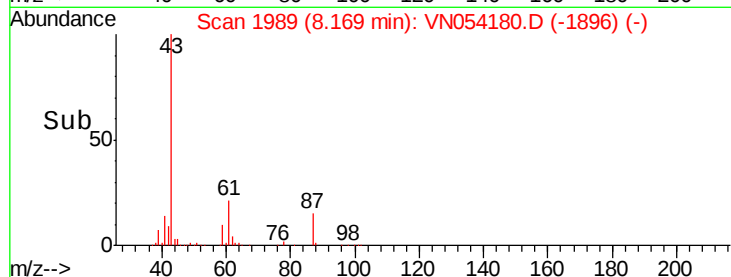
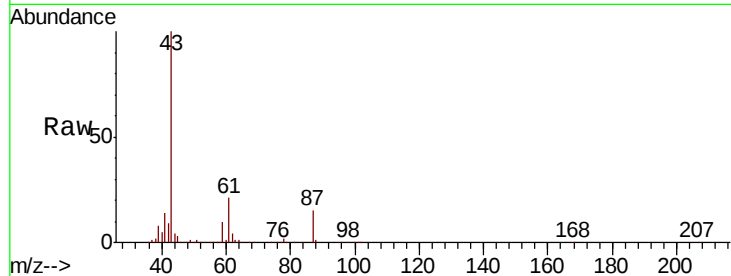
#43
Isopropyl Acetate
Concen: 20.510 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	15.0	12.0	18.0

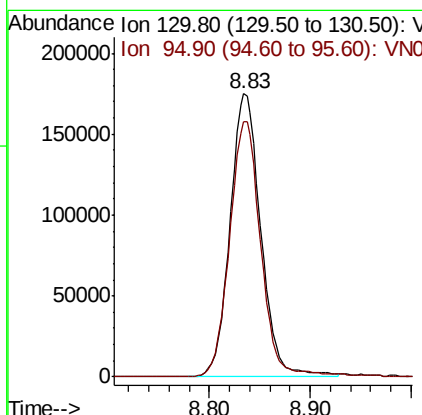
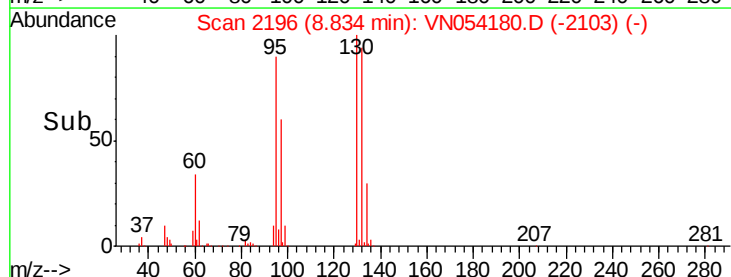
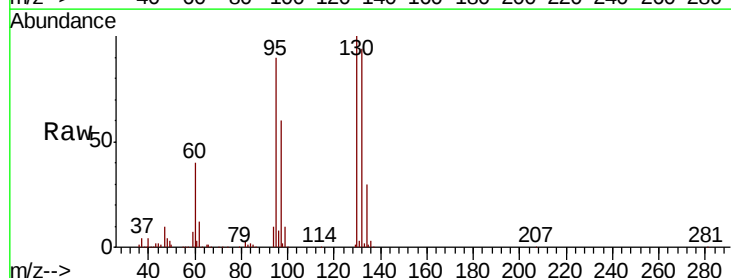
Manual Integrations
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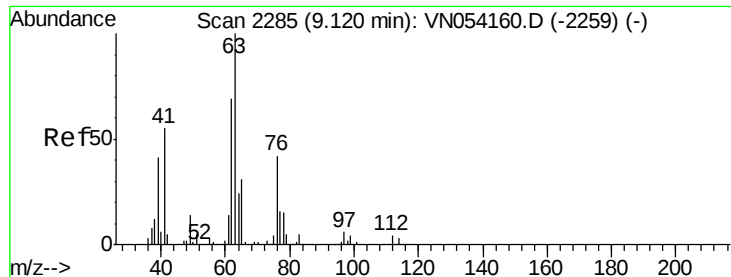
MMDadoda
3/13/2019 11:41:13 AM



#44
Trichloroethene
Concen: 20.715 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	185.2





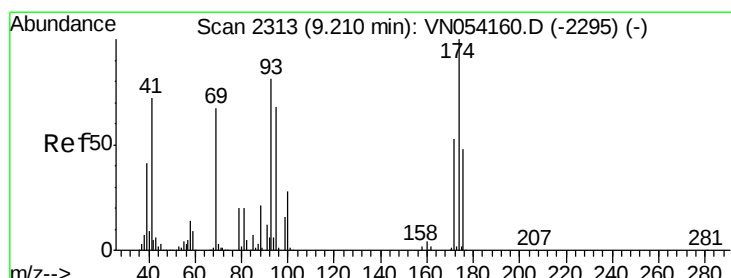
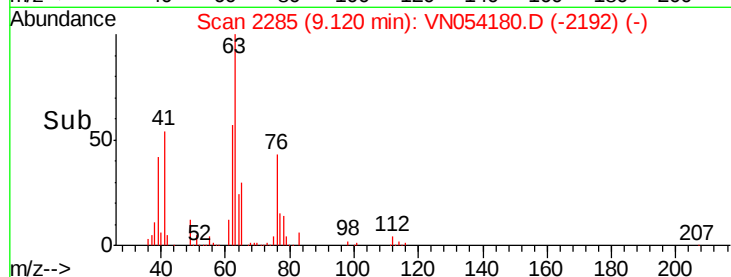
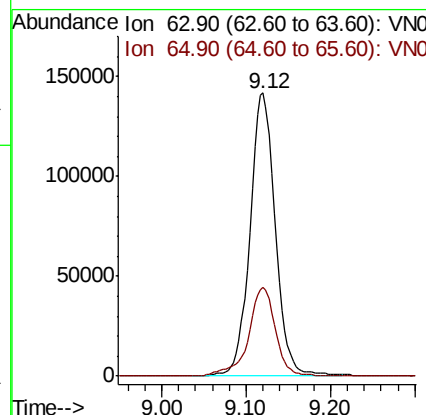
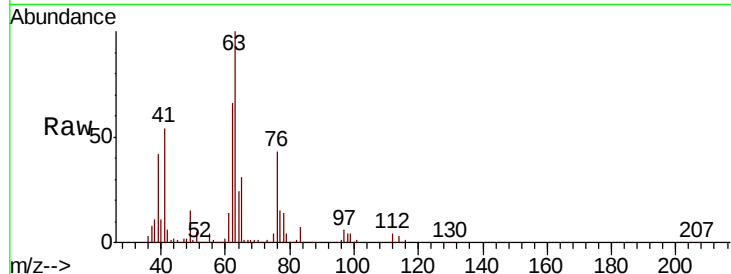
#45
 1,2-Dichloropropane
 Concen: 20.686 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Tgt Ion: 63 Resp: 296804
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

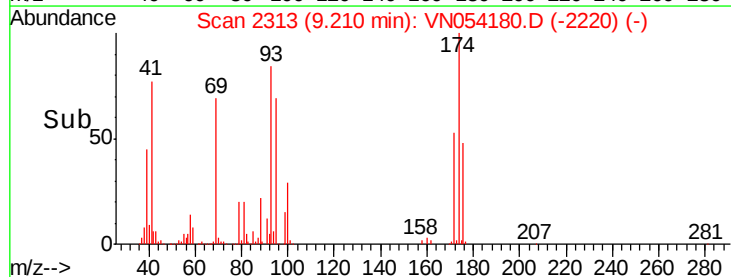
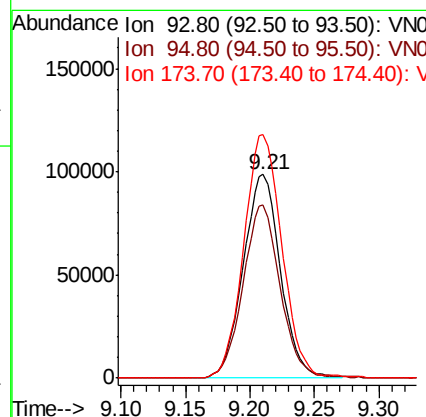
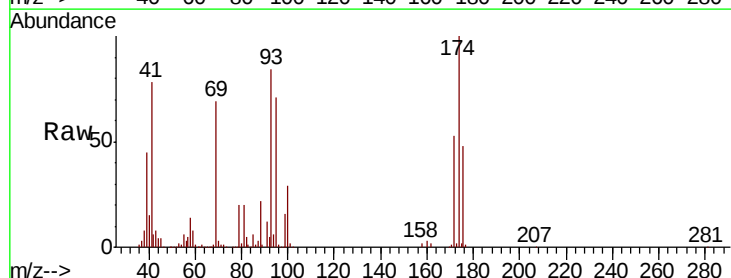
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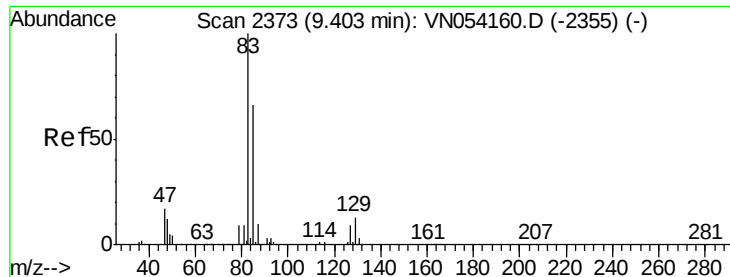
MMDadoda
 3/13/2019 11:41:13 AM



#46
 Dibromomethane
 Concen: 20.556 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion: 93 Resp: 199273
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 122.4 98.5 147.7





#47

Bromodichloromethane

Concen: 20.528 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

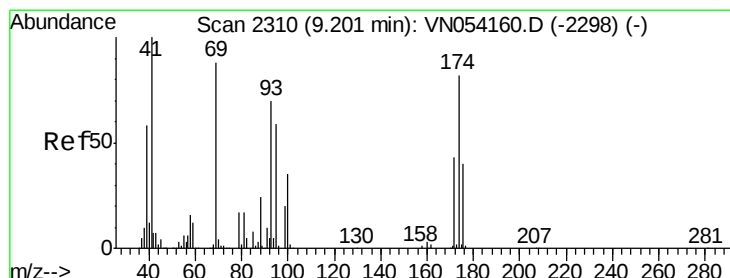
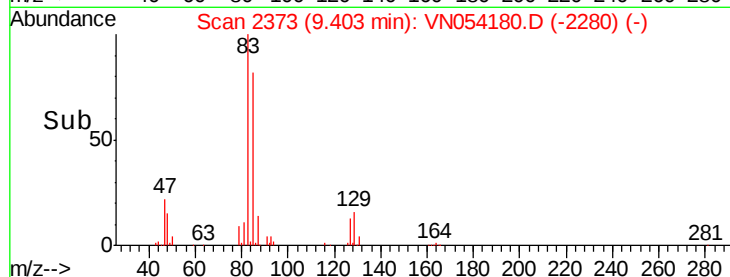
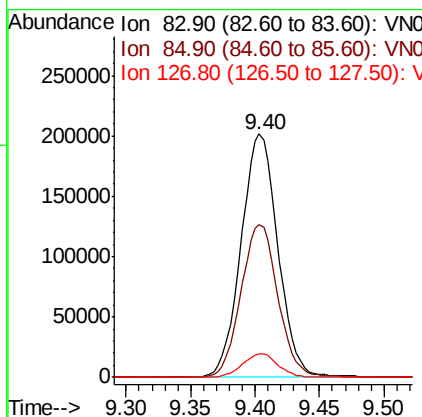
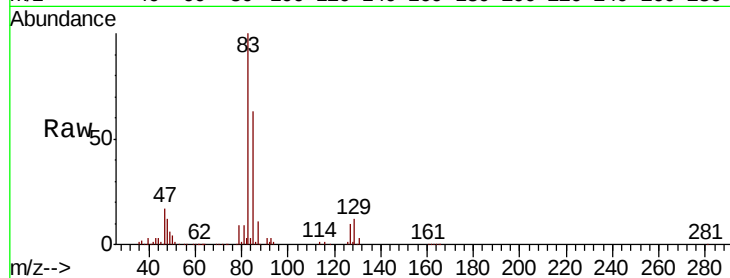
ClientSampleId :

VN0312WBSD02

Tgt Ion:	83	Resp:	398939
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.8	79.2
127	9.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.428 ug/l

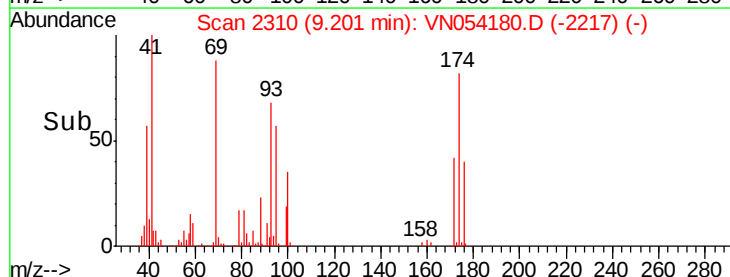
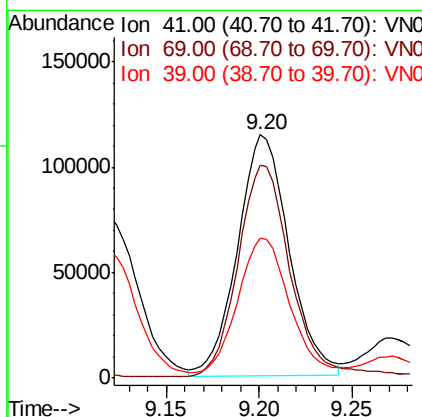
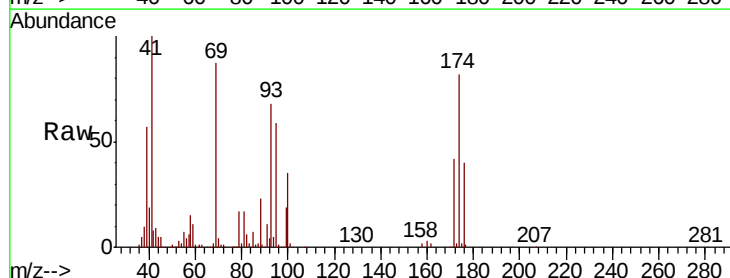
RT: 9.20 min Scan# 2310

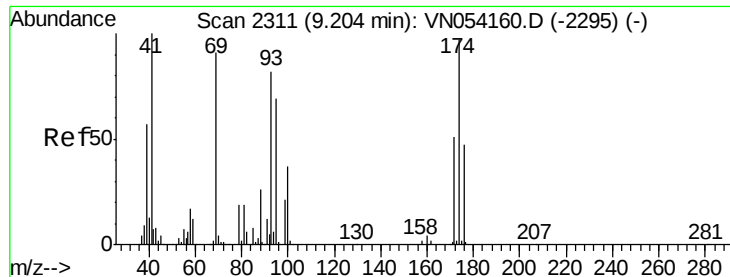
Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion:	41	Resp:	221459
Ion	Ratio	Lower	Upper
41	100		
69	90.4	72.6	108.8
39	58.4	47.5	71.3





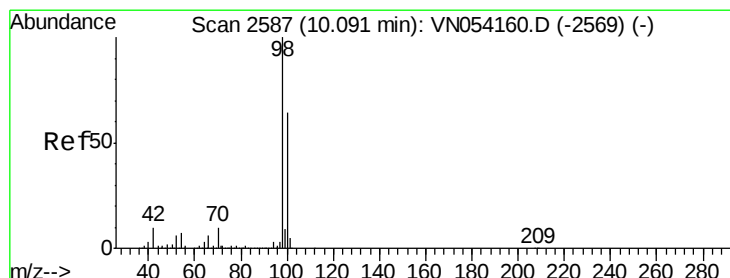
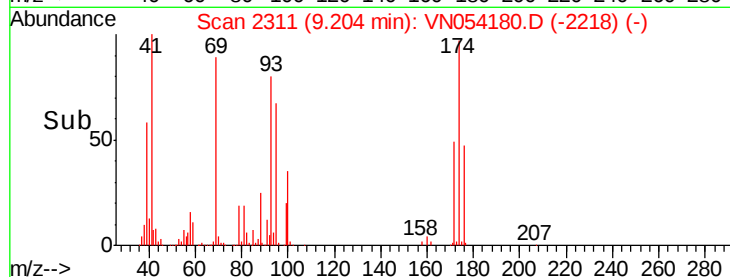
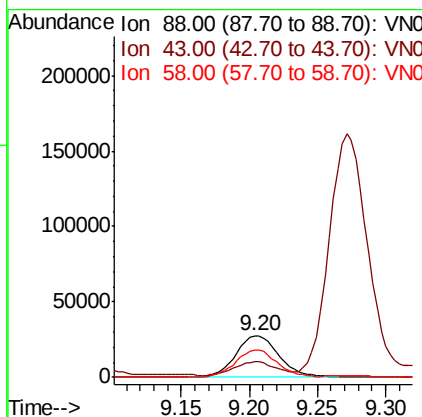
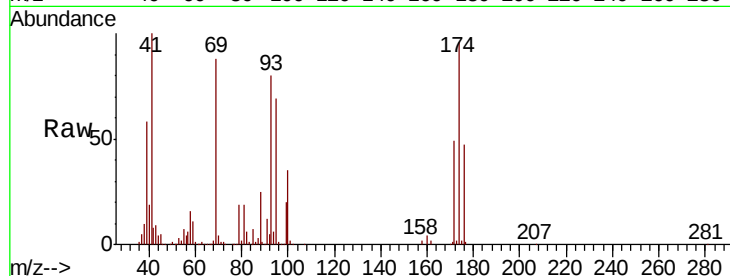
#49
1,4-Dioxane
Concen: 416.149 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.7	24.1	36.1
58	63.9	50.8	76.2

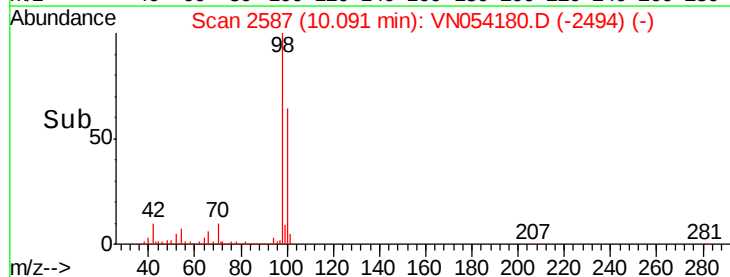
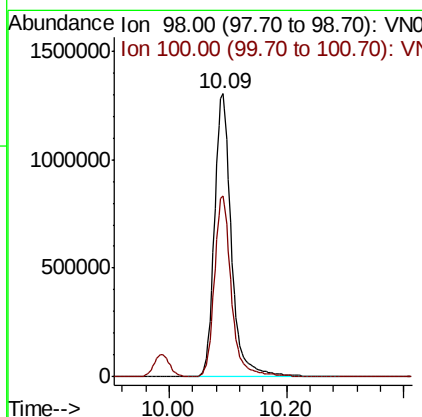
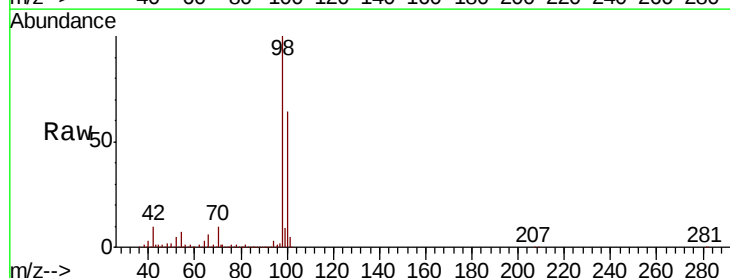
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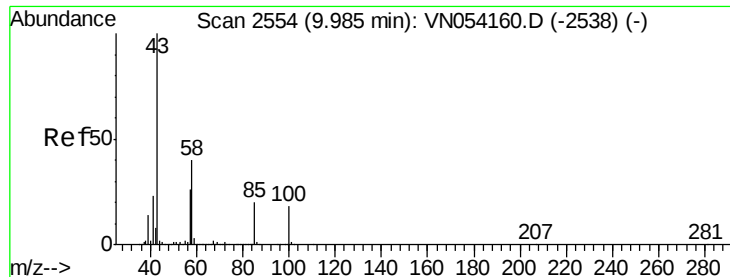
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#50
Toluene-d8
Concen: 49.734 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





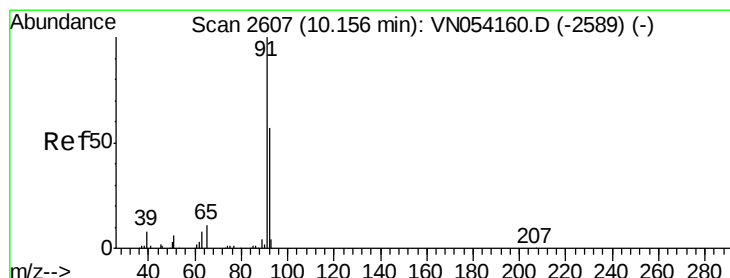
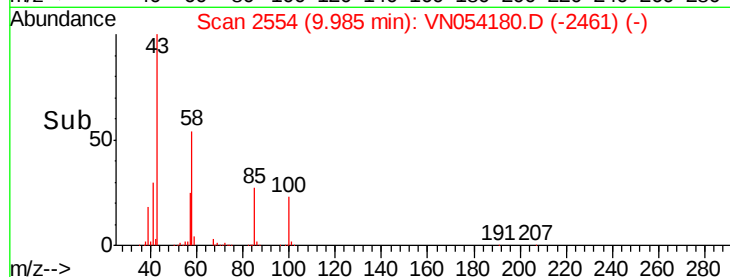
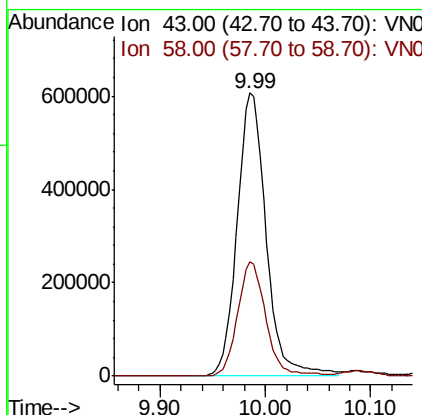
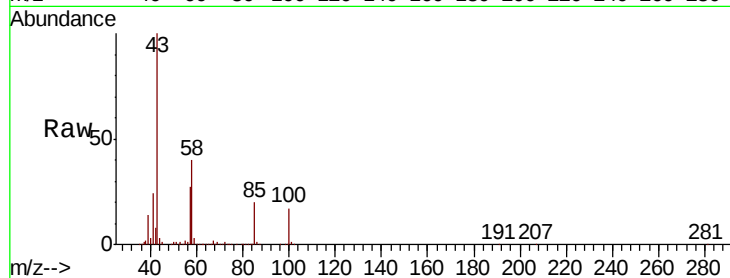
#51
4-Methyl-2-Pentanone
Concen: 106.745 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion: 43 Resp: 1150424
Ion Ratio Lower Upper
43 100
58 39.8 31.8 47.6

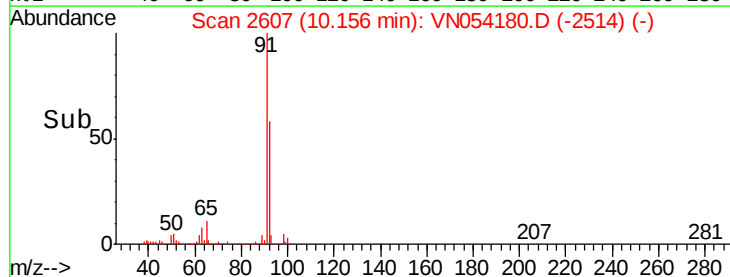
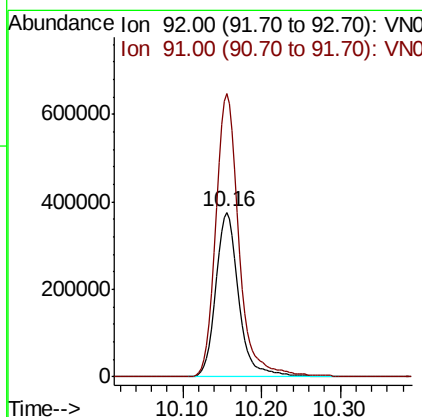
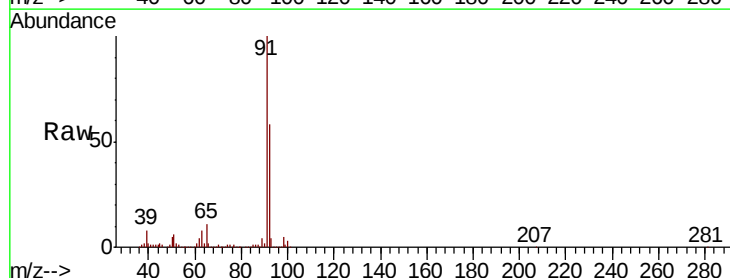
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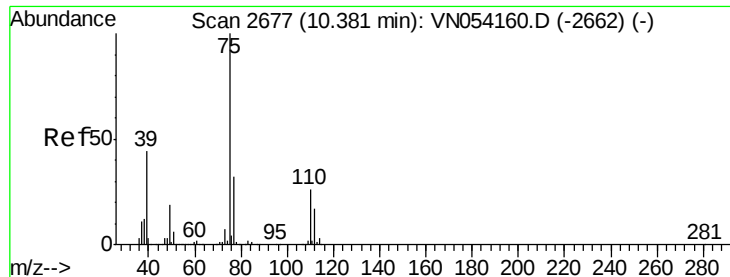
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#52
Toluene
Concen: 20.664 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 92 Resp: 757076
Ion Ratio Lower Upper
92 100
91 173.6 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.571 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tgt Ion: 75 Resp: 383904

Ion Ratio Lower Upper

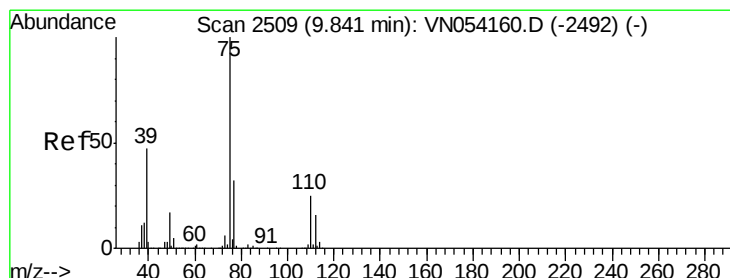
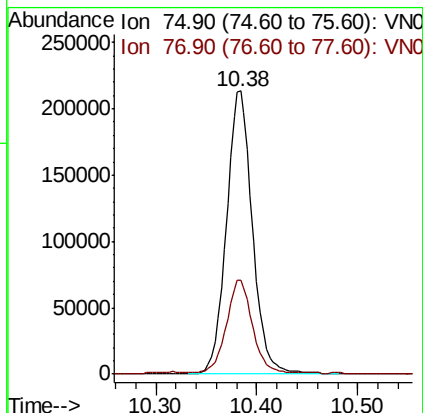
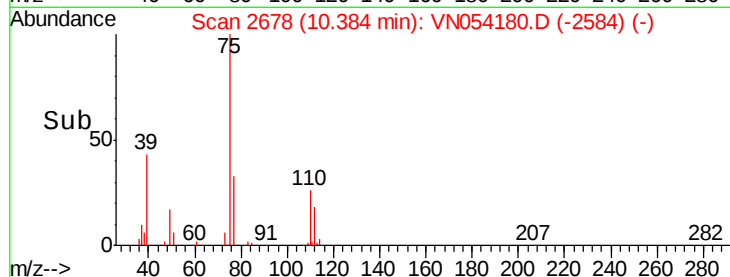
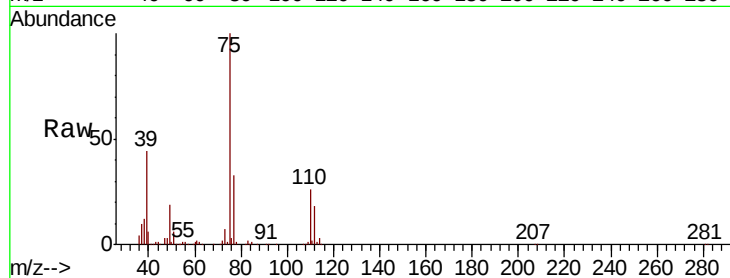
75 100

77 32.8 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 19.687 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

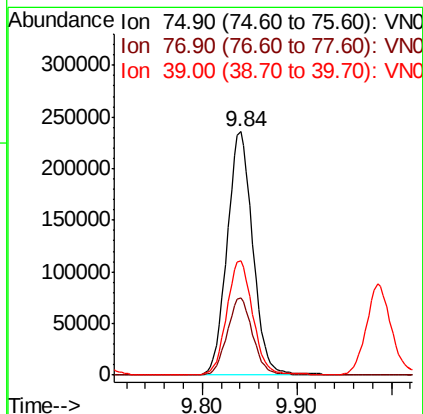
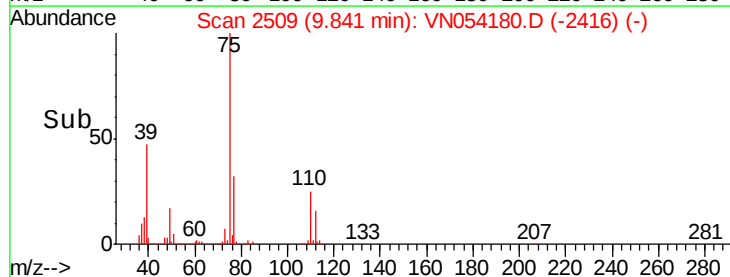
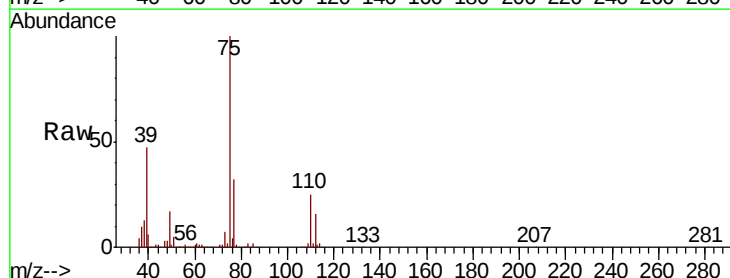
Tgt Ion: 75 Resp: 445850

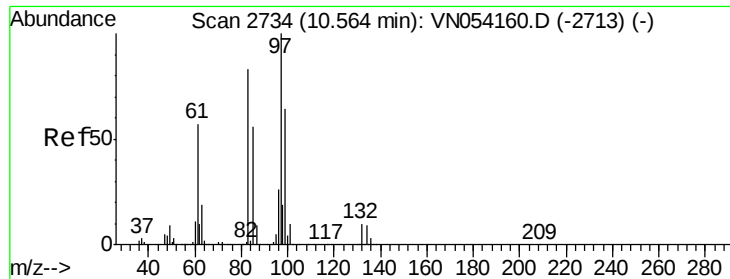
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 46.7 37.2 55.8





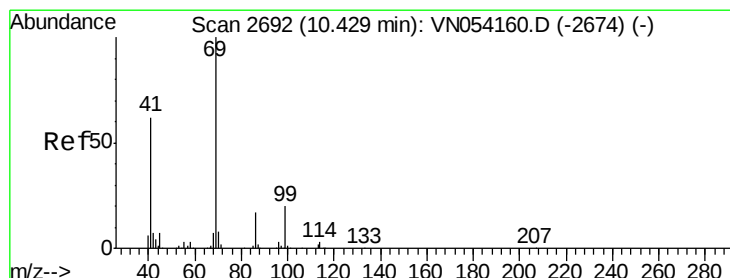
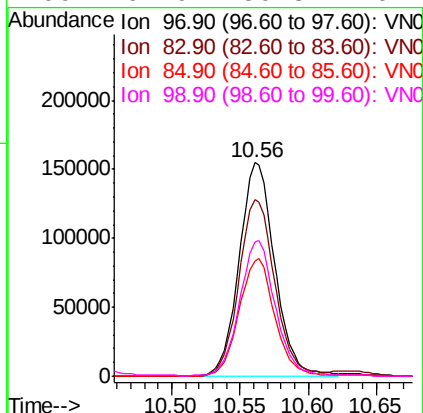
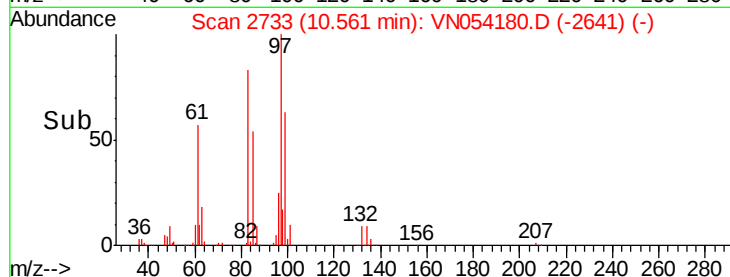
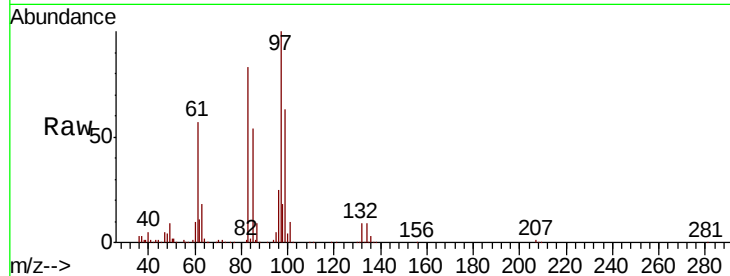
#55
 1,1,2-Trichloroethane
 Concen: 21.006 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.6	100.0
85	54.2	44.4	66.6
99	62.9	50.8	76.2

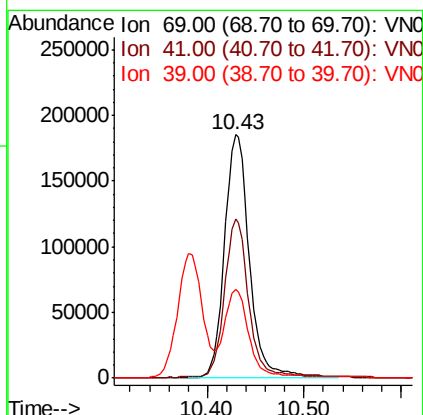
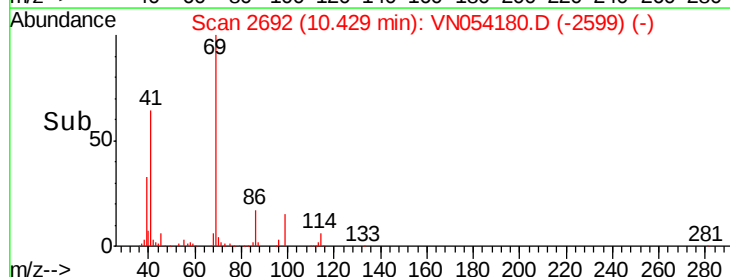
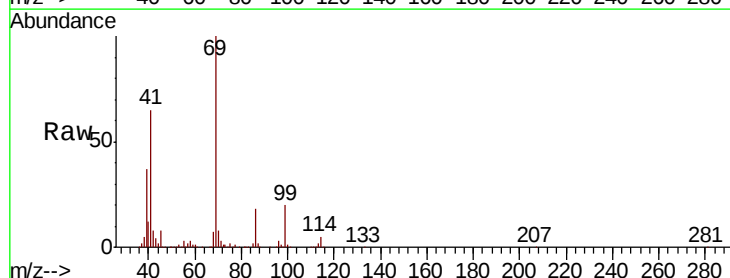
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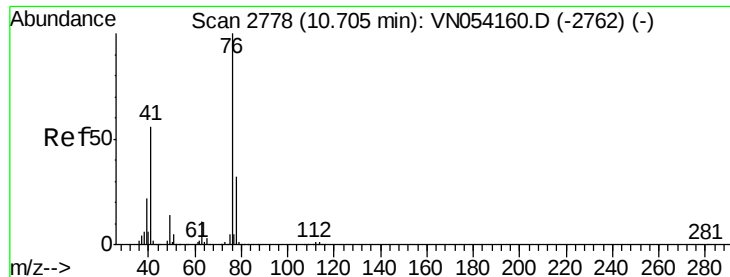
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#56
 Ethyl methacrylate
 Concen: 20.867 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.4	74.2
39	35.5	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.943 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tgt Ion: 76 Resp: 458105

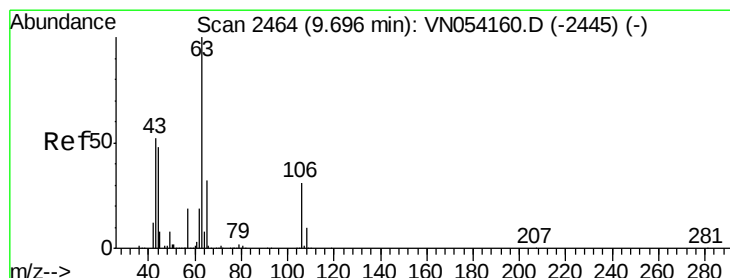
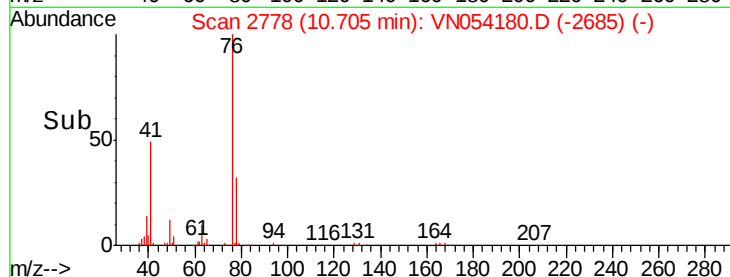
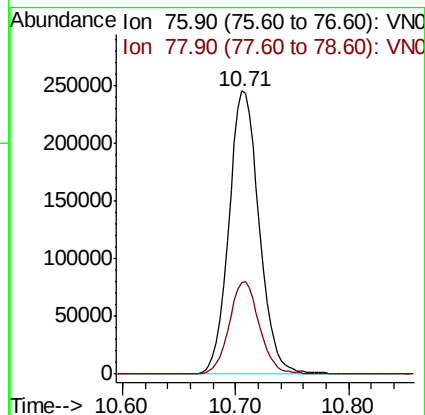
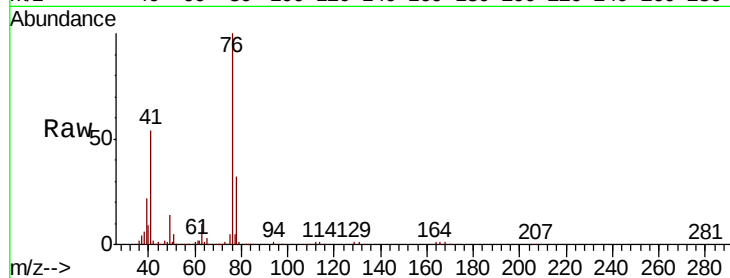
Ion Ratio Lower Upper

76 100

78 32.8 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 99.505 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054180.D

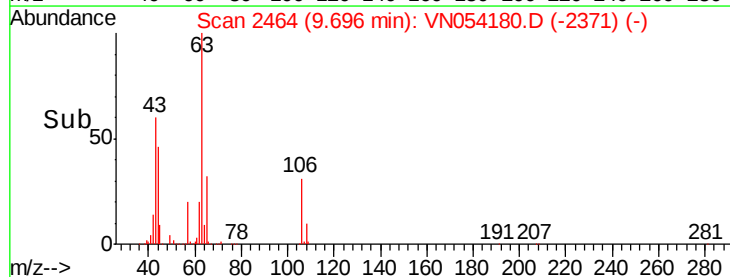
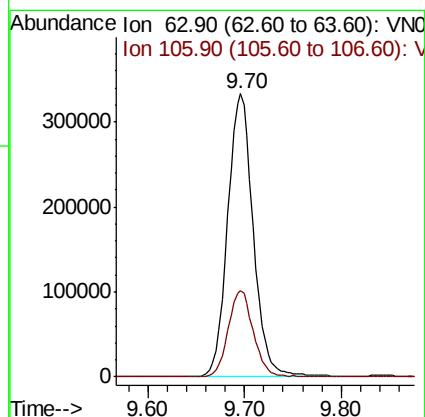
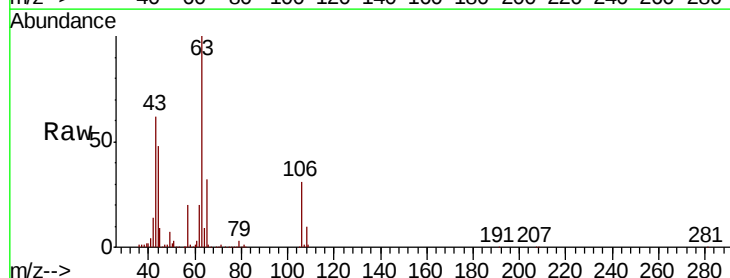
Acq: 12 Mar 2019 23:31

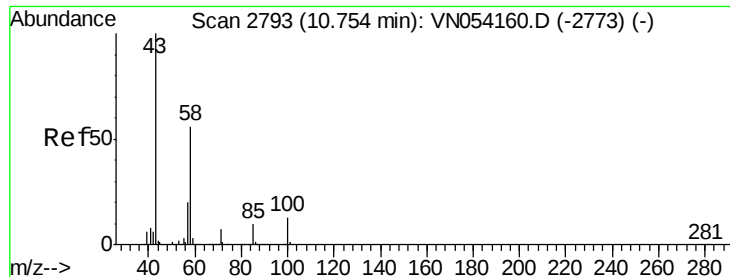
Tgt Ion: 63 Resp: 613444

Ion Ratio Lower Upper

63 100

106 29.6 24.4 36.6





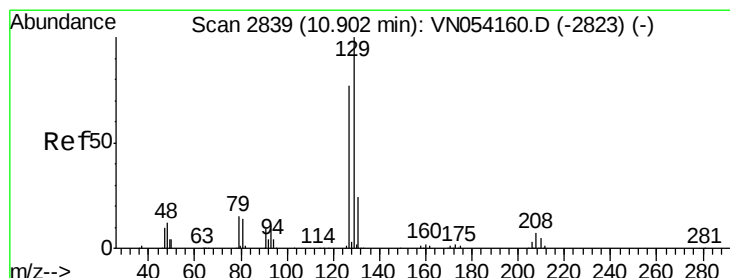
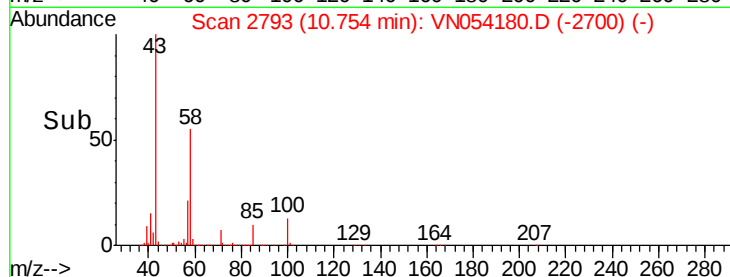
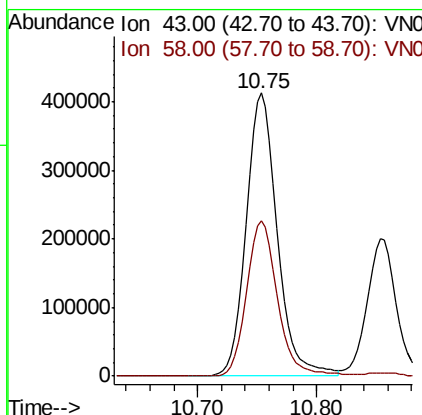
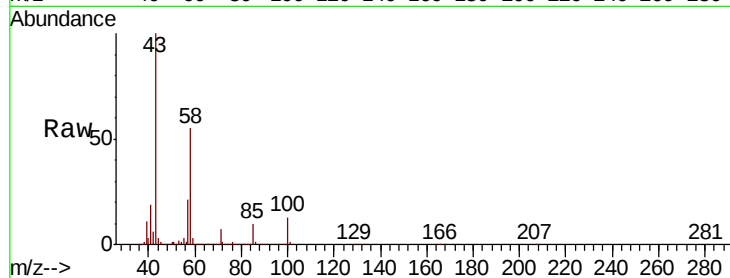
#59
2-Hexanone
Concen: 103.223 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion: 43 Resp: 740231
Ion Ratio Lower Upper
43 100
58 55.1 28.0 83.9

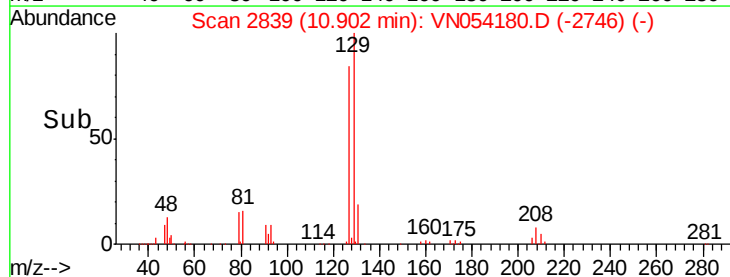
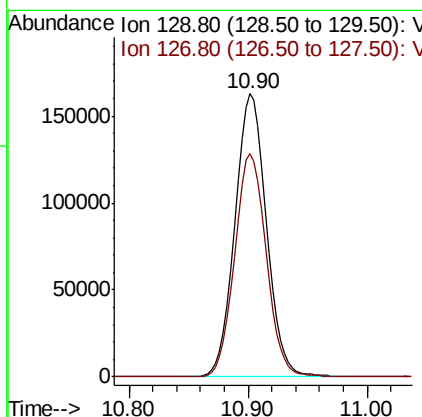
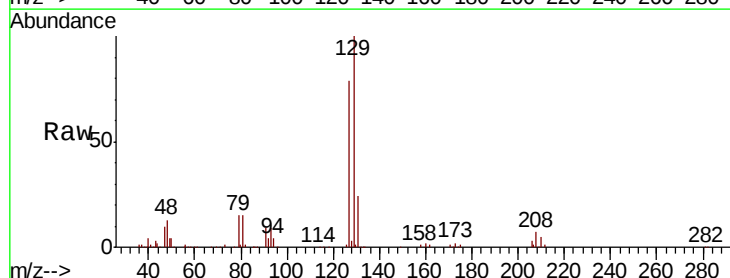
Manual Integrations
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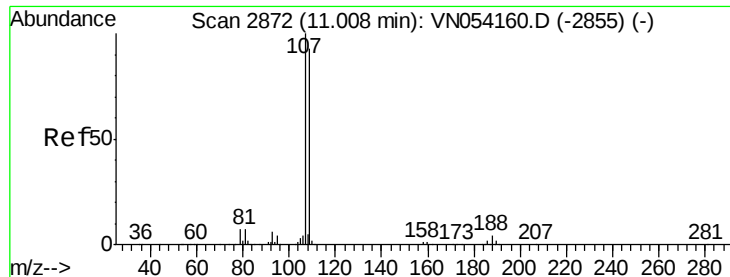
MMDadoda
3/13/2019 11:41:13 AM



#60
Dibromochloromethane
Concen: 19.855 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 129 Resp: 298960
Ion Ratio Lower Upper
129 100
127 79.1 38.6 115.8





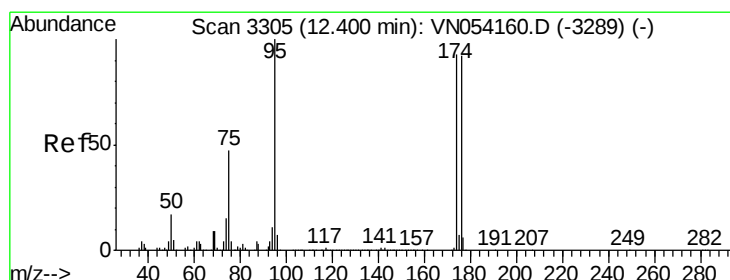
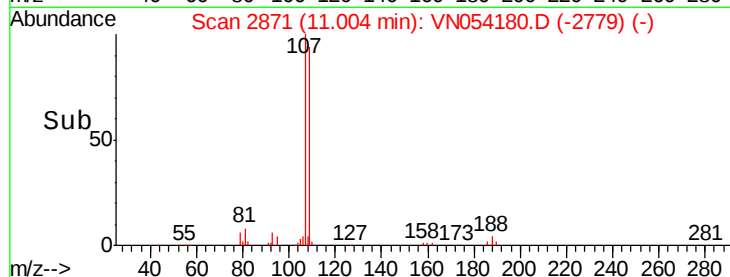
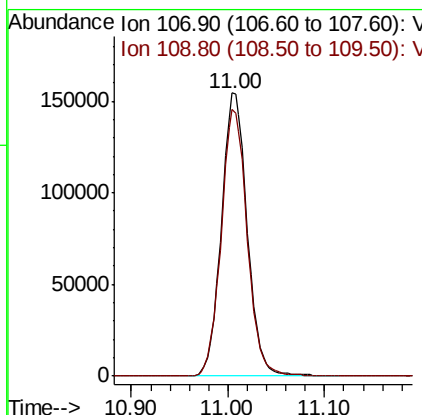
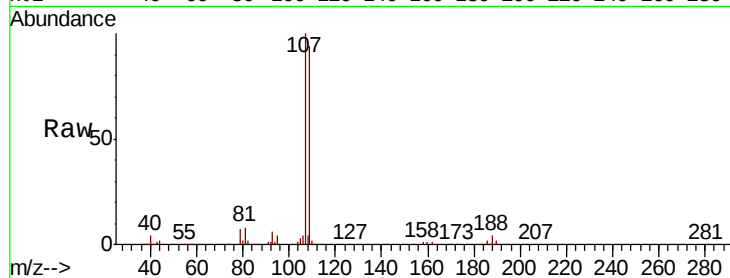
#61
1,2-Dibromoethane
Concen: 21.017 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	285715		
109	95.0	75.9	75.9	113.9

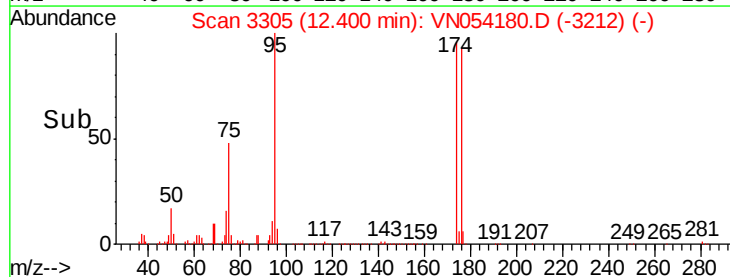
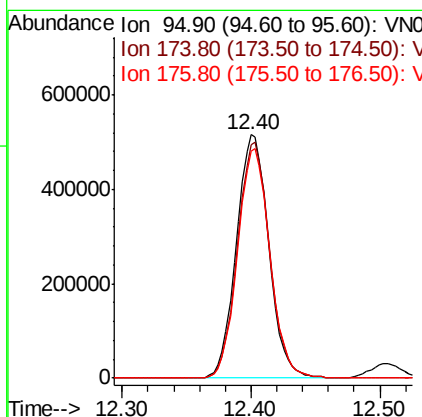
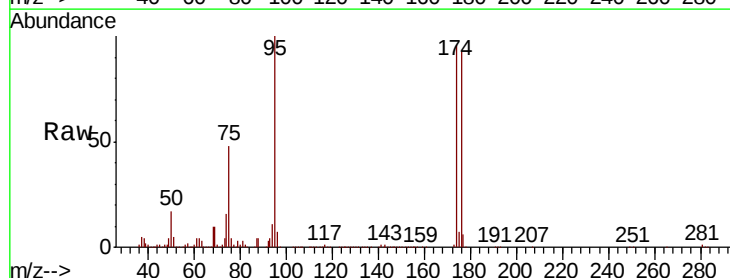
Manual Integrations
APPROVED

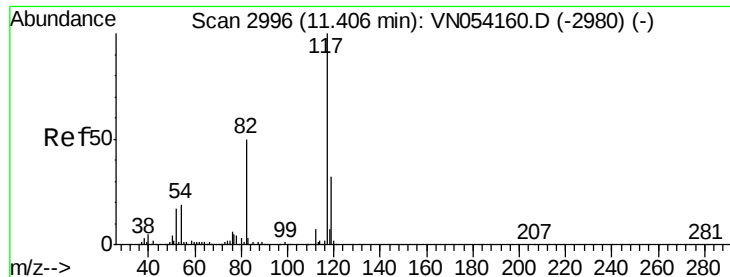
MMDadoda
3/13/2019 11:41:13 AM



#62
4-Bromofluorobenzene
Concen: 49.272 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	900400		
174	96.4	0.0	0.0	191.0
176	94.2	0.0	0.0	187.4





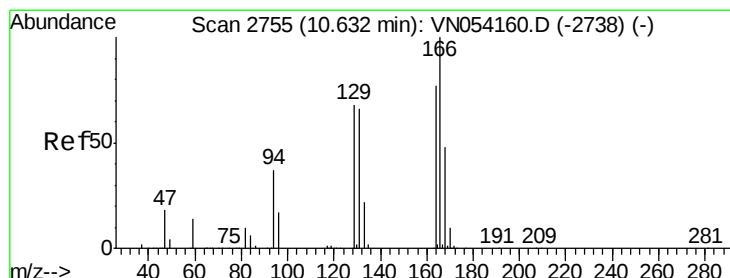
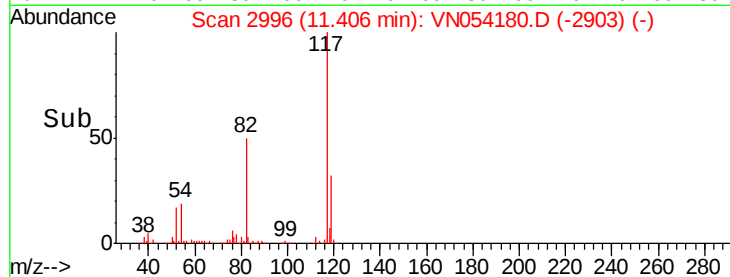
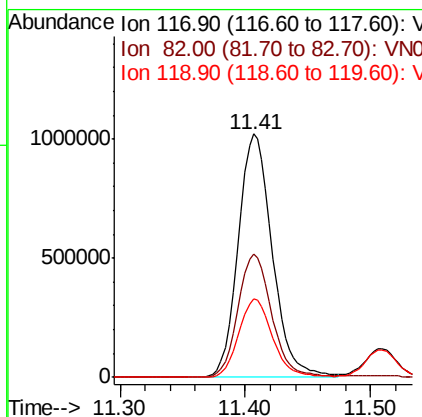
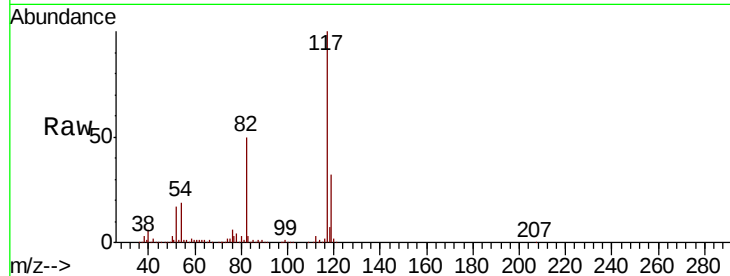
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.4	40.0	60.0
119	32.1	25.8	38.6

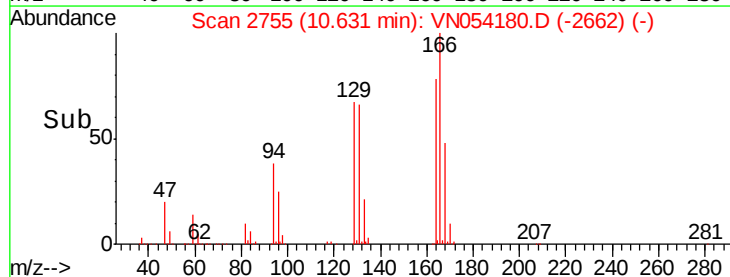
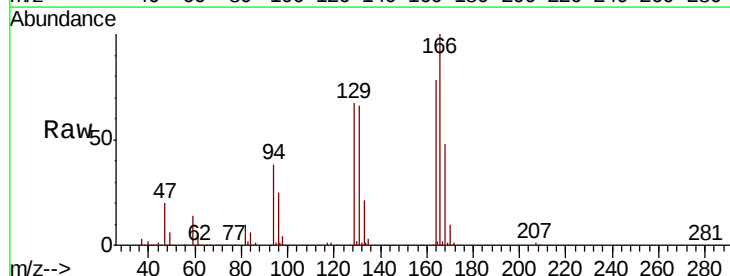
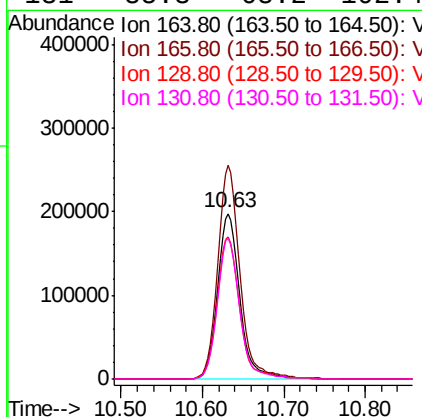
Manual Integrations
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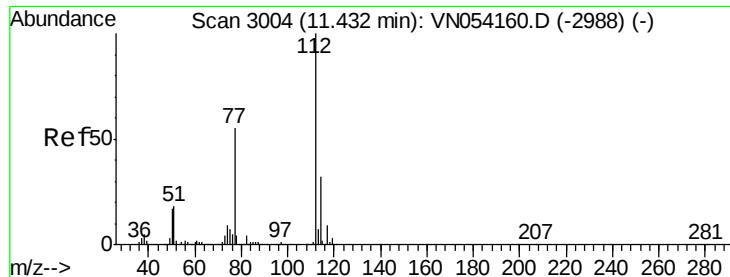
MMDadoda
3/13/2019 11:41:13 AM



#64
Tetrachloroethene
Concen: 20.608 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.9	155.9
129	85.9	71.1	106.7
131	85.3	68.2	102.4





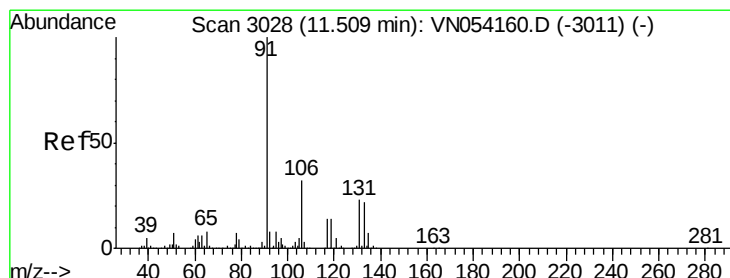
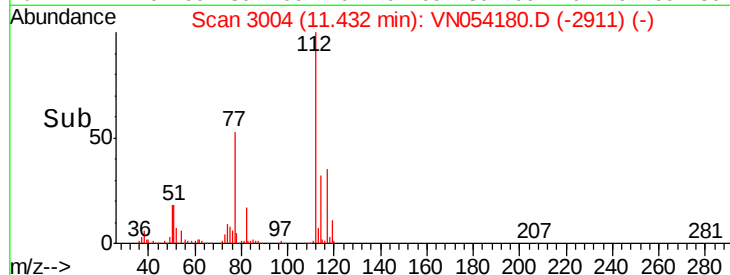
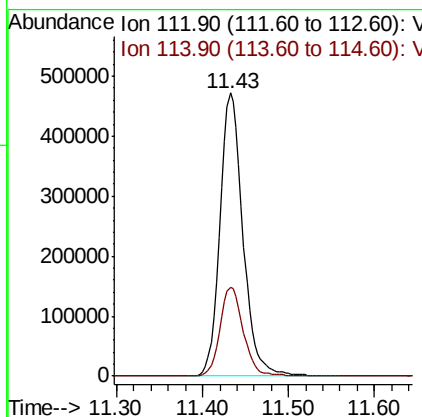
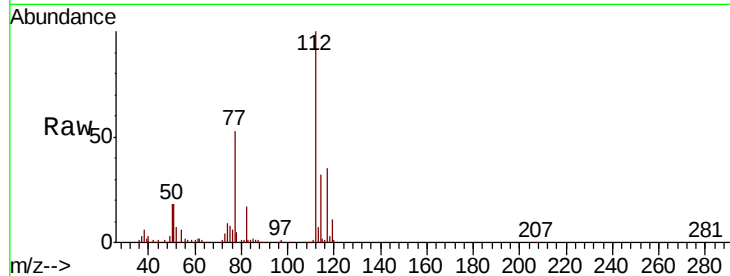
#65
Chlorobenzene
Concen: 20.689 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion:112 Resp: 876710
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

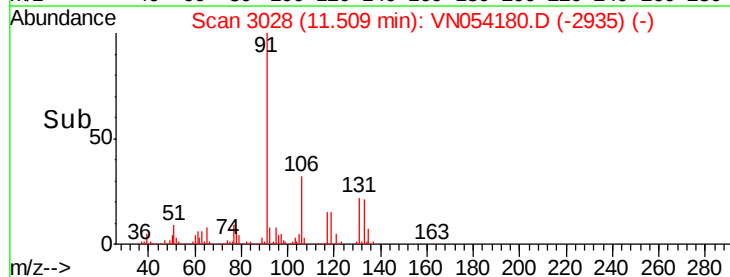
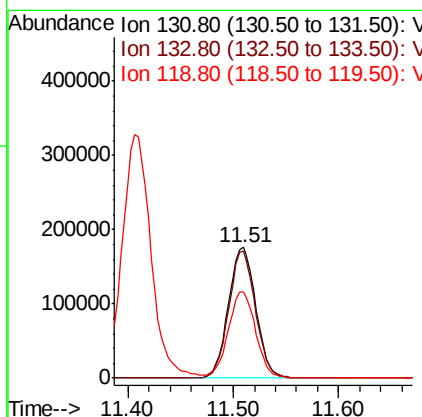
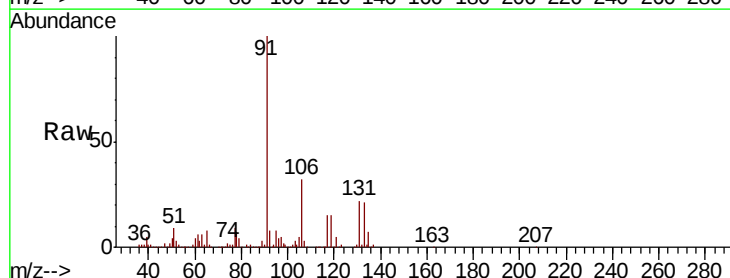
Manual Integrations
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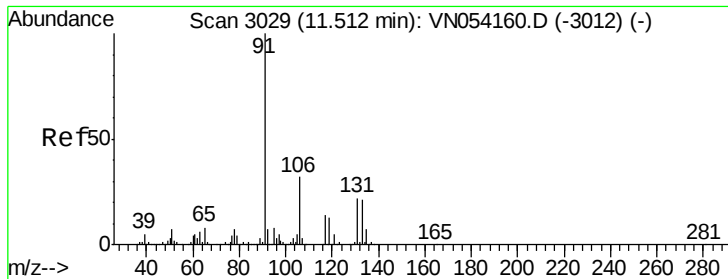
MMDadoda
3/13/2019 11:41:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.471 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion:131 Resp: 315138
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 66.8 32.4 97.0





#67

Ethyl Benzene

Concen: 20.310 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tgt Ion: 91 Resp: 1426697

Ion Ratio Lower Upper

91 100

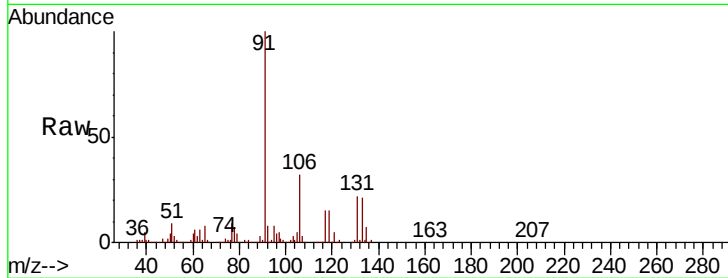
106 32.2 25.5 38.3

Manual Integrations

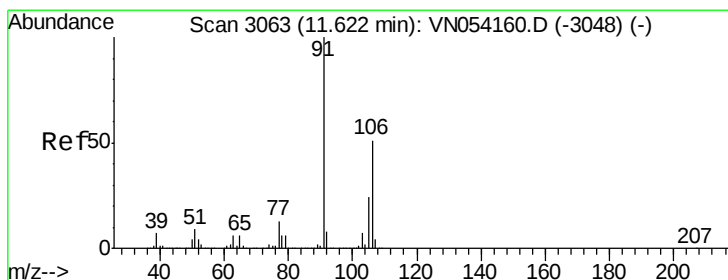
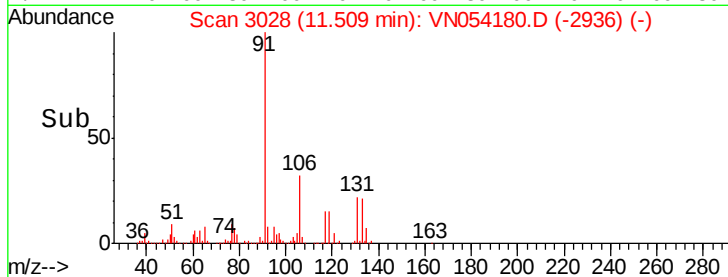
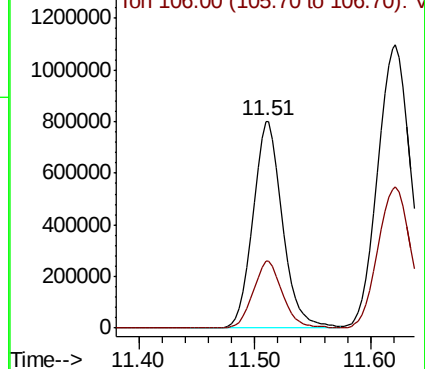
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN054180.D (-2936) (-)



#68

m/p-Xylenes

Concen: 40.824 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054180.D

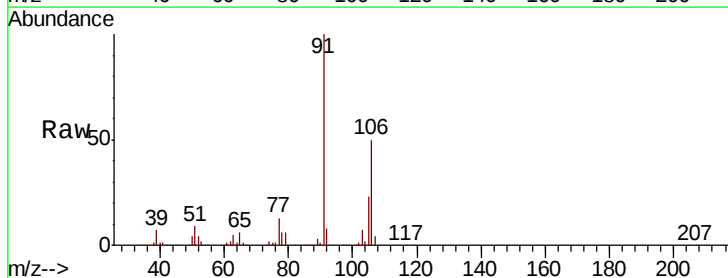
Acq: 12 Mar 2019 23:31

Tgt Ion: 106 Resp: 1120820

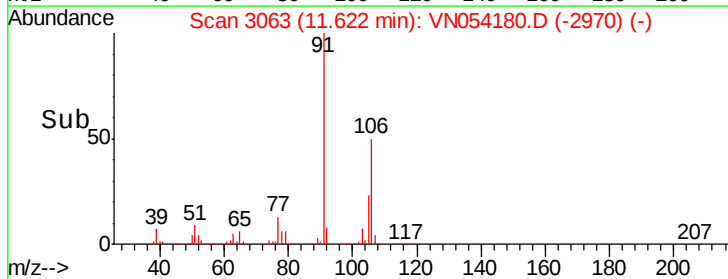
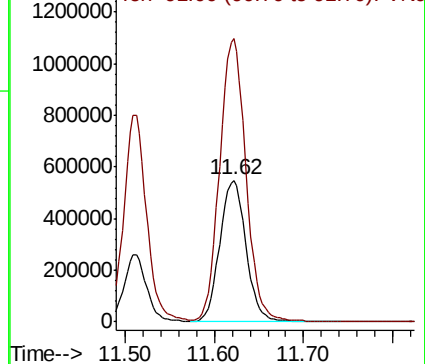
Ion Ratio Lower Upper

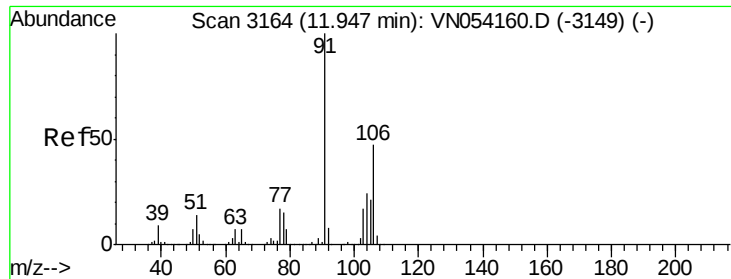
106 100

91 199.9 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054180.D (-2970) (-)





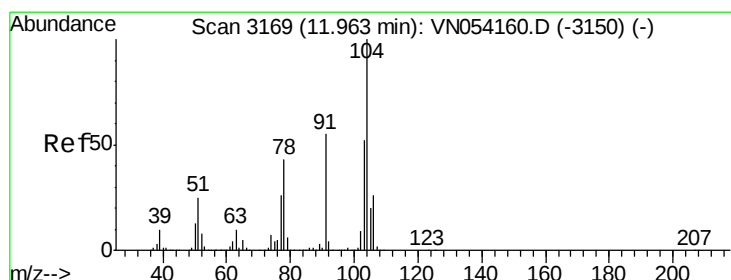
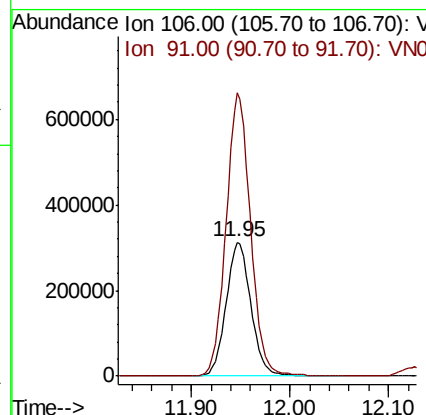
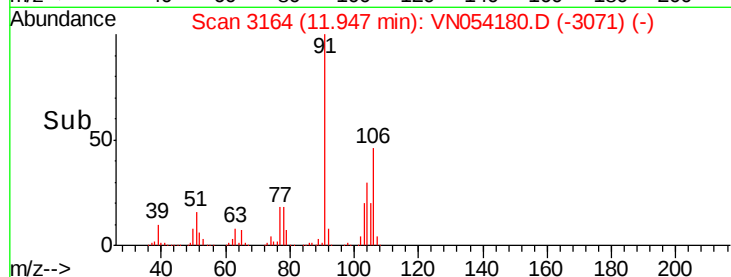
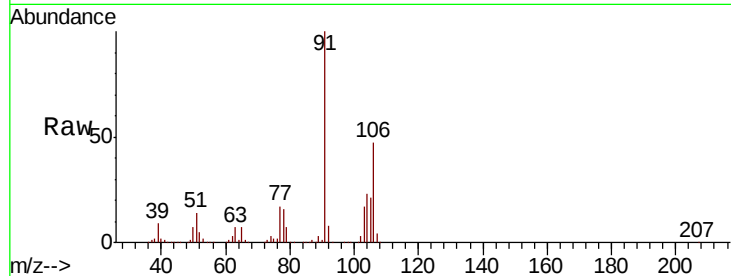
#69
o-Xylene
Concen: 20.640 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion:106 Resp: 552401
Ion Ratio Lower Upper
106 100
91 208.4 105.7 317.1

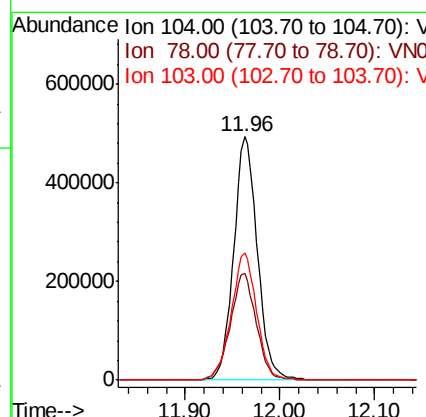
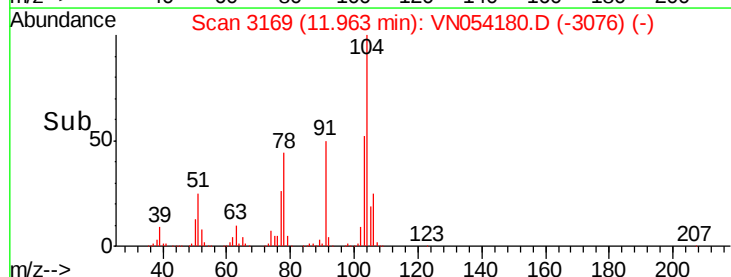
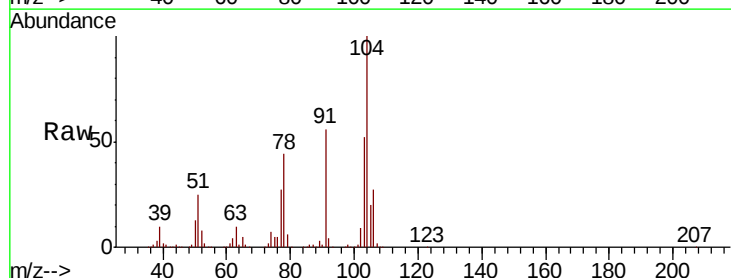
Manual Integrations
APPROVED

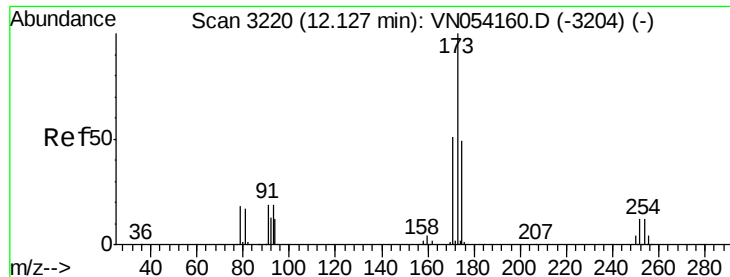
MMDadoda
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#70
Styrene
Concen: 20.490 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion:104 Resp: 860086
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.2 44.4 66.6





#71

Bromoform

Concen: 18.883 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

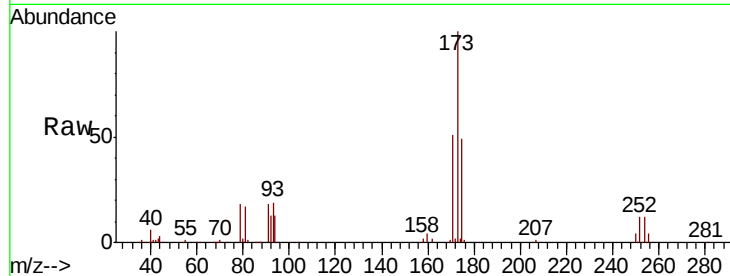
ClientSampleId :

VN0312WBSD02

Tgt Ion:	173	Resp:	203572
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
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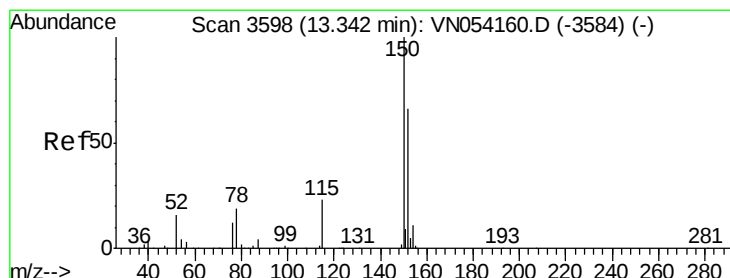
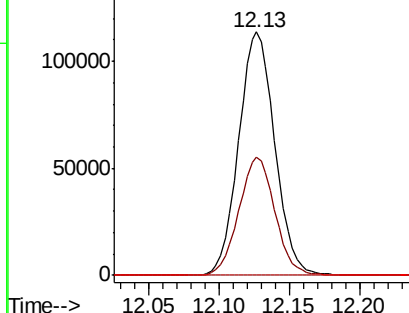
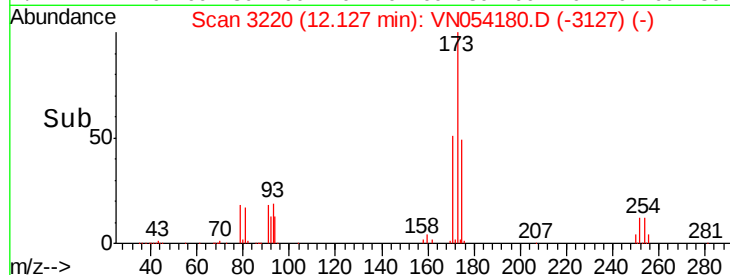


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

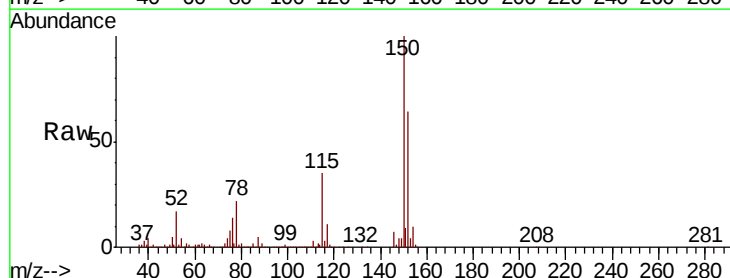
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion:	152	Resp:	919286
Ion Ratio	Lower	Upper	
152	100		
115	55.1	27.2	81.6
150	163.7	0.0	349.2

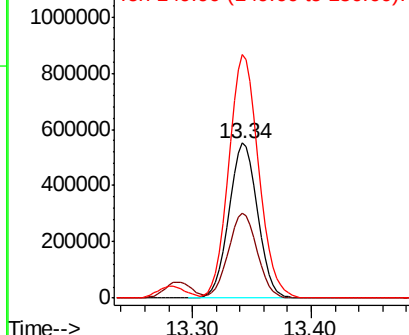
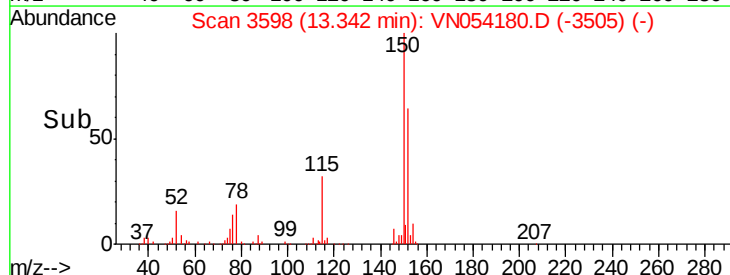


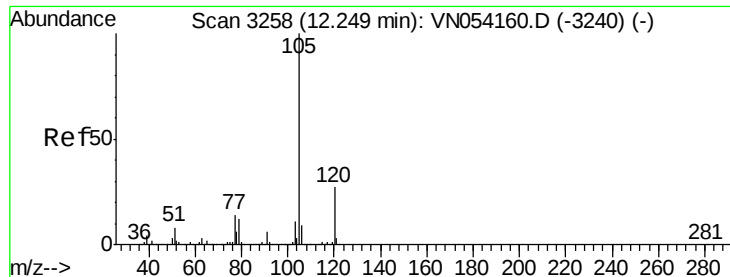
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.018 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tgt Ion: 105 Resp: 1472307

Ion Ratio Lower Upper

105 100

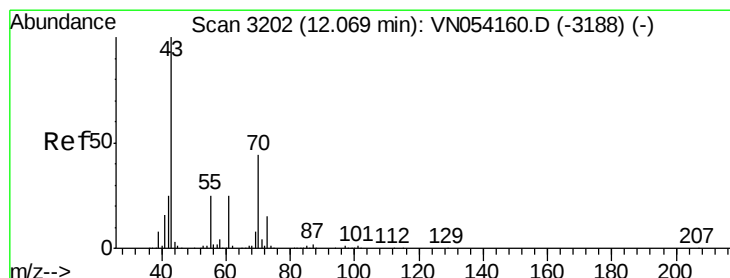
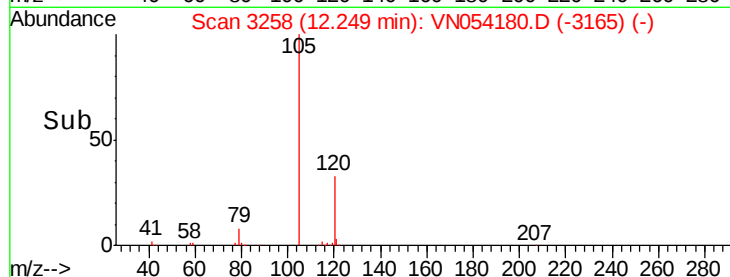
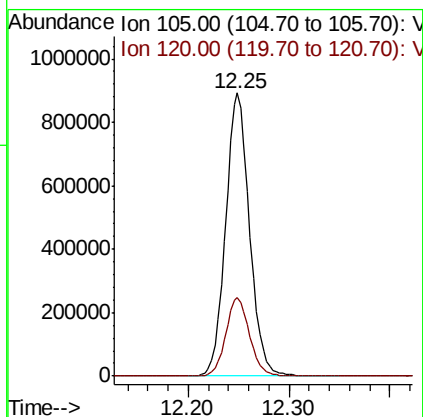
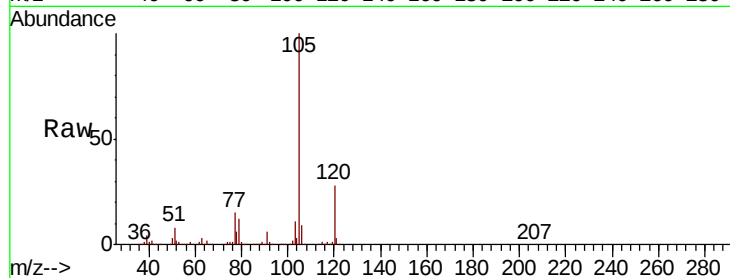
120 27.5 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.849 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion: 43 Resp: 340367

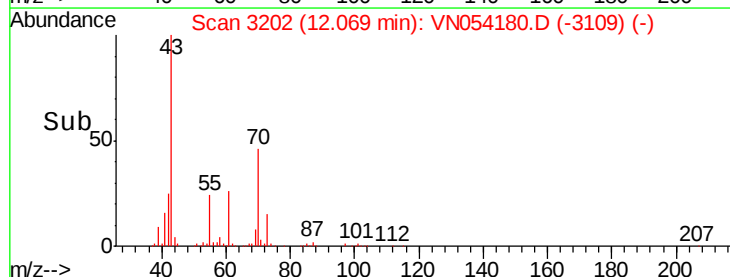
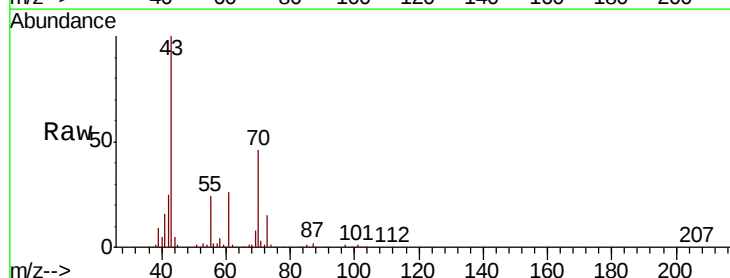
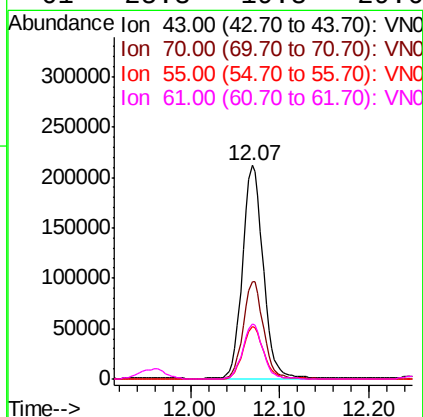
Ion Ratio Lower Upper

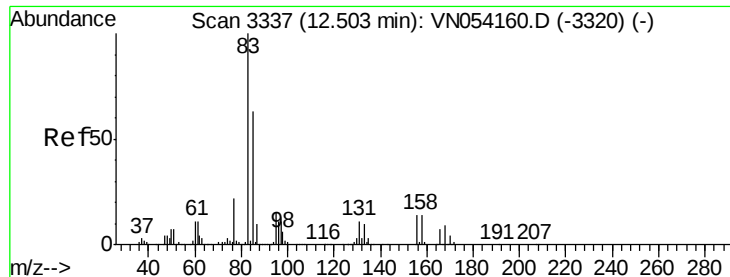
43 100

70 45.1 35.4 53.0

55 24.8 19.8 29.6

61 25.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.447 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tgt Ion: 83 Resp: 320402
Ion Ratio Lower Upper

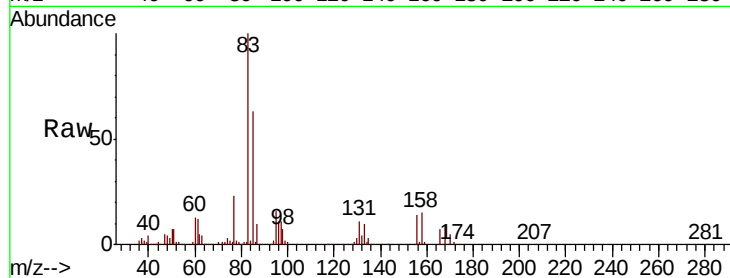
83 100

131 11.4 5.8 17.4

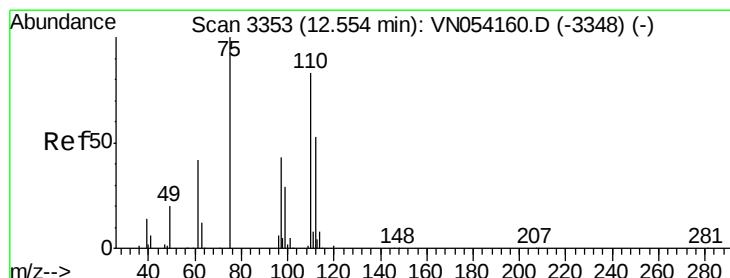
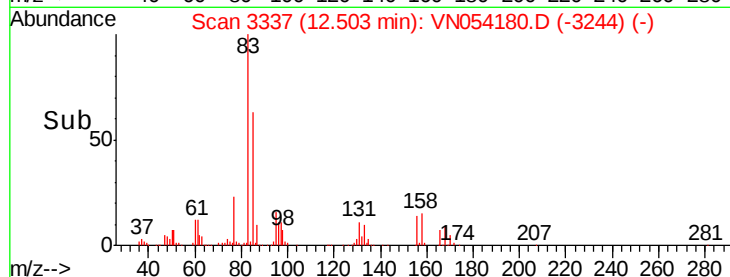
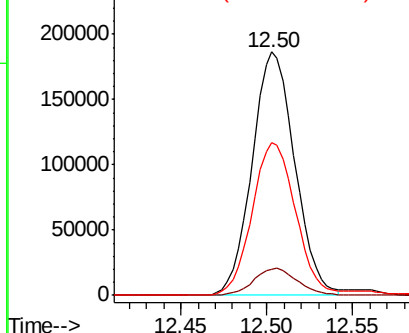
85 64.2 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 19.793 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

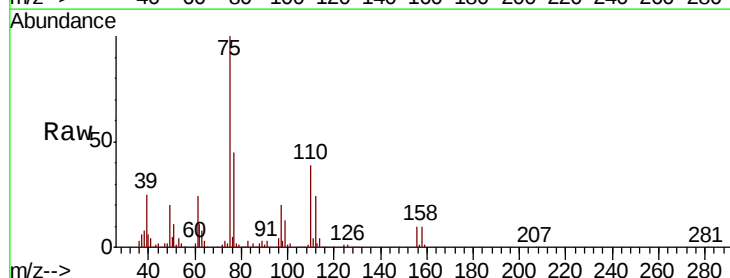
Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

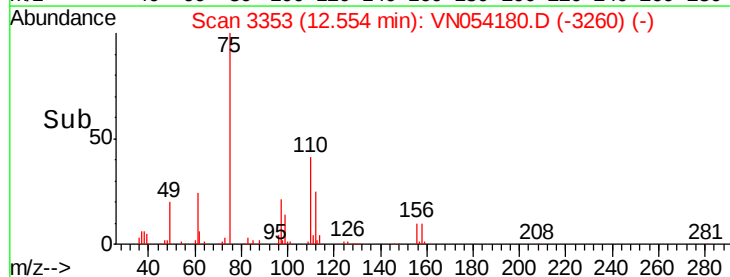
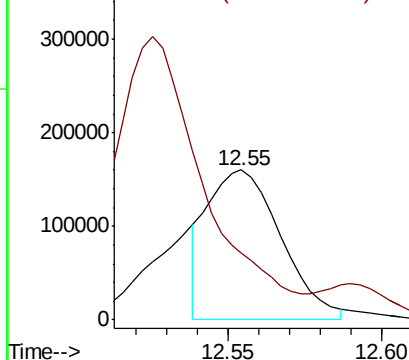
Tgt Ion: 75 Resp: 267577
Ion Ratio Lower Upper

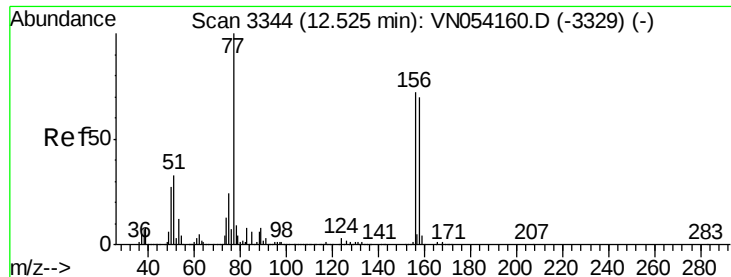
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.072 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

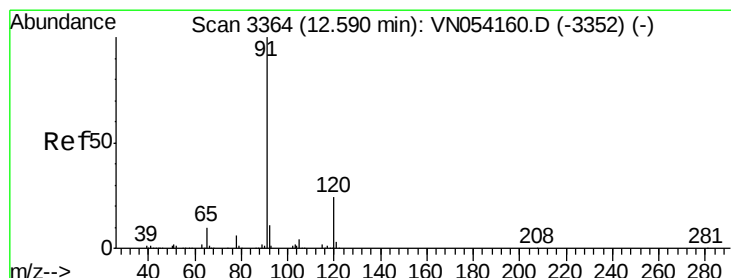
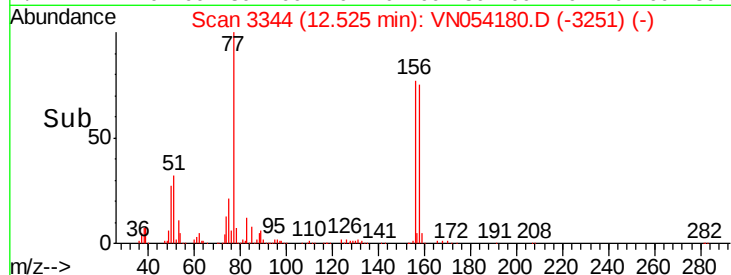
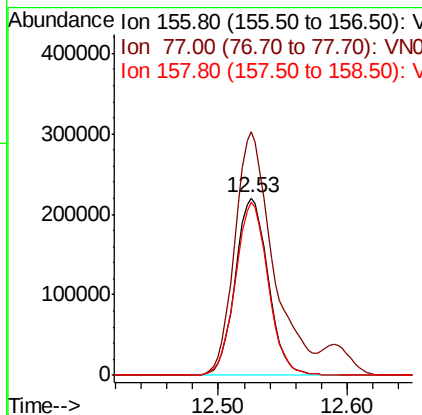
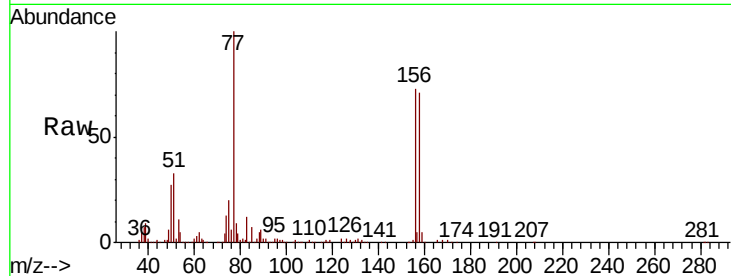
ClientSampleId :

VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	158.7	81.5	244.4
158	97.3	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.038 ug/l

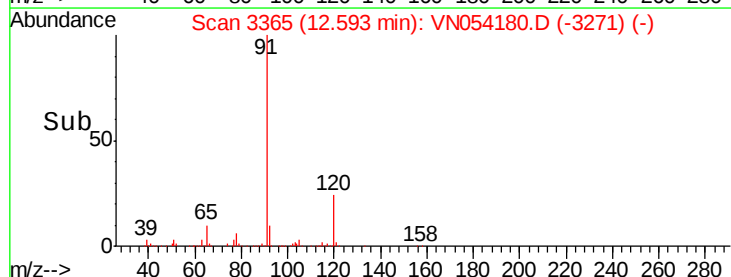
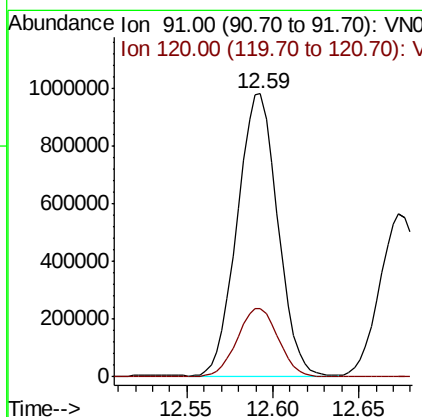
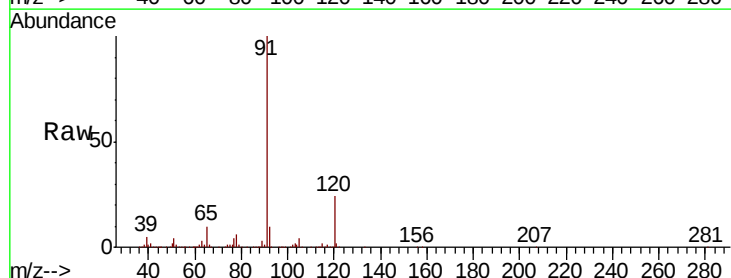
RT: 12.59 min Scan# 3365

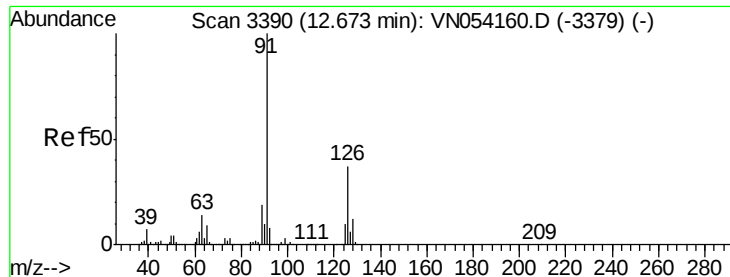
Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.9





#79

2-Chlorotoluene

Concen: 19.946 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tgt Ion: 91 Resp: 957112

Ion Ratio Lower Upper

91 100

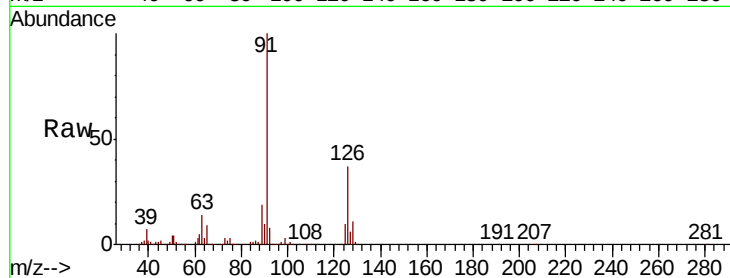
126 37.4 18.7 56.1

Manual Integrations

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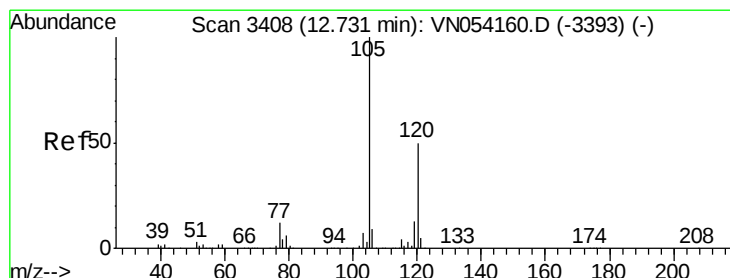
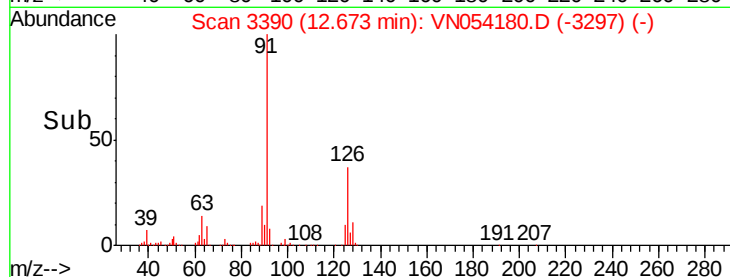
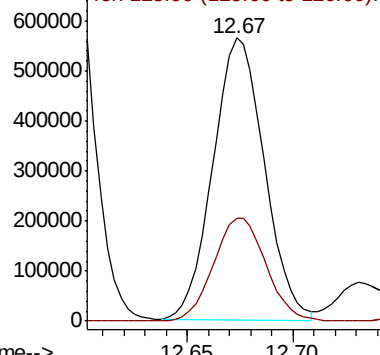
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.714 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054180.D

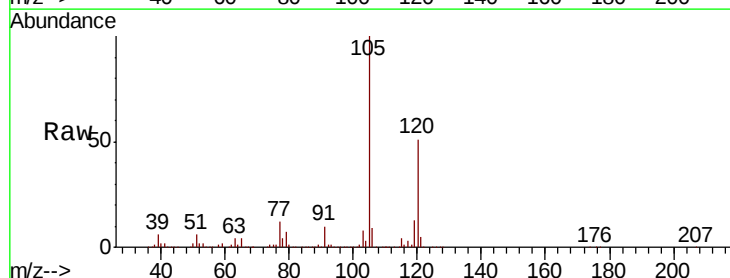
Acq: 12 Mar 2019 23:31

Tgt Ion:105 Resp: 1206058

Ion Ratio Lower Upper

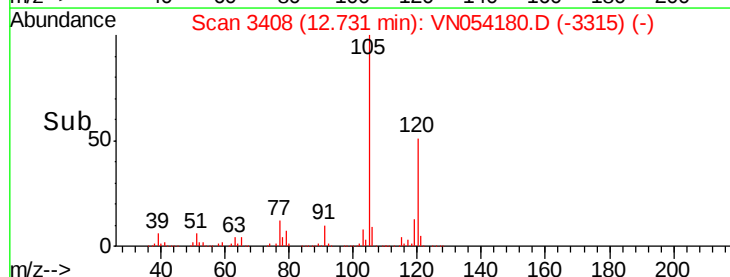
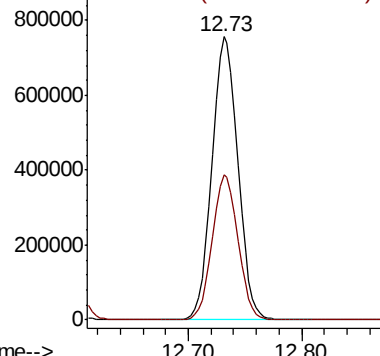
105 100

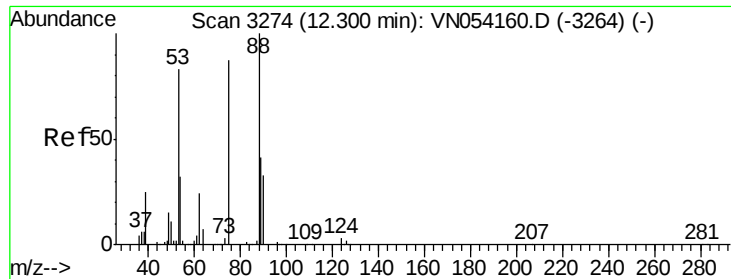
120 51.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.769 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

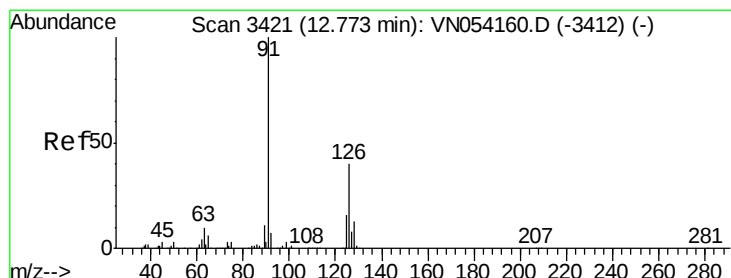
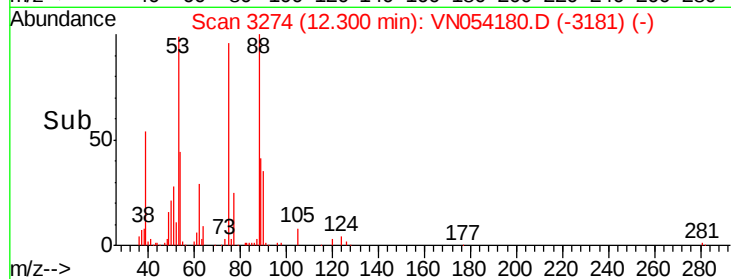
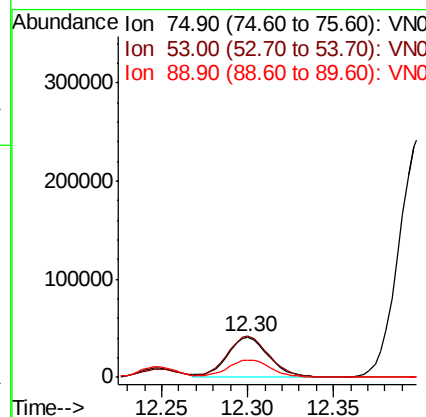
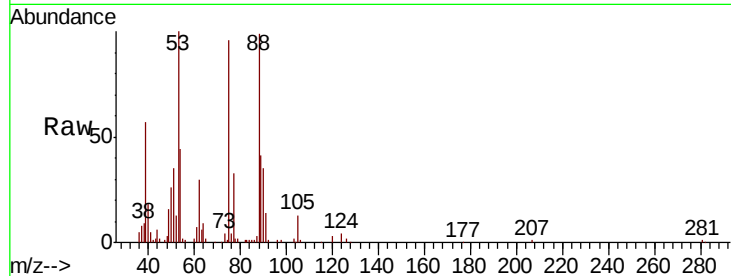
ClientSampleId :

VN0312WBSD02

Tgt Ion:	75	Resp:	66316
Ion	Ratio	Lower	Upper
75	100		
53	107.6	76.2	114.2
89	46.7	39.2	58.8

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#82

4-Chlorotoluene

Concen: 19.920 ug/l

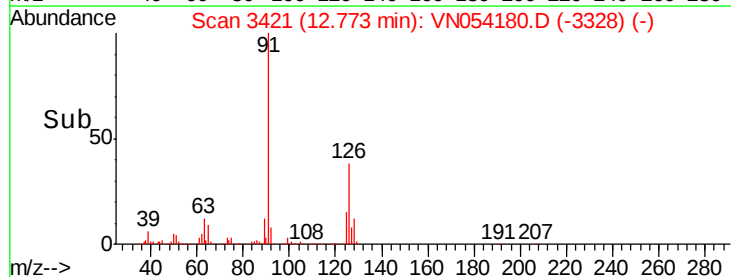
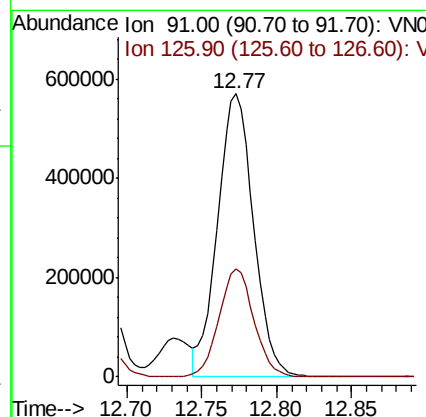
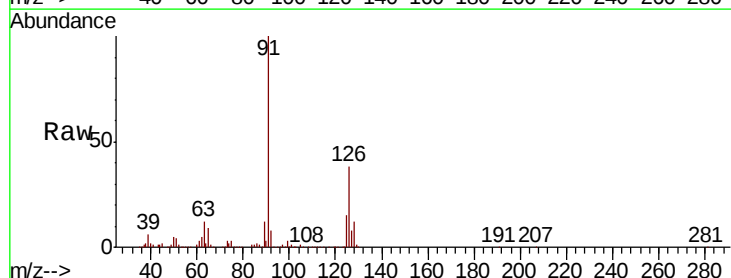
RT: 12.77 min Scan# 3421

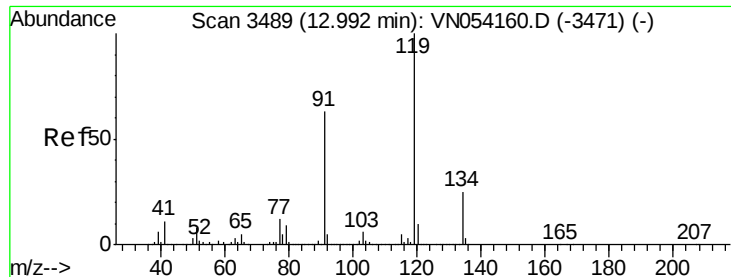
Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion:	91	Resp:	954452
Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.1	54.1





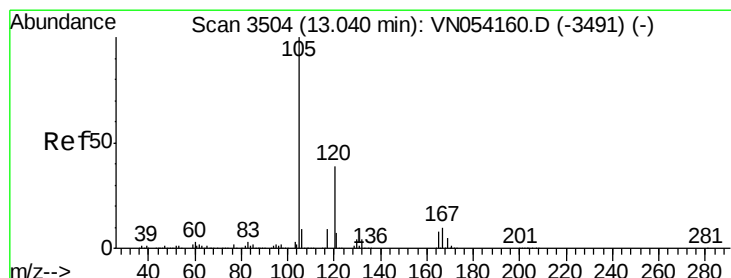
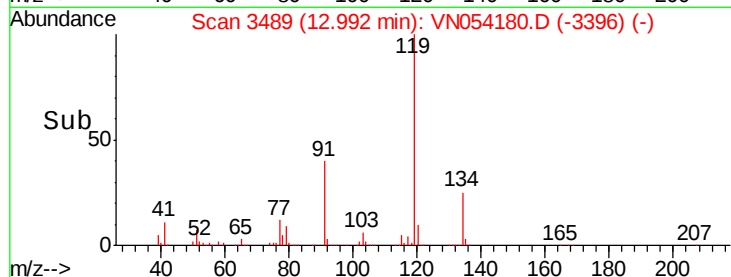
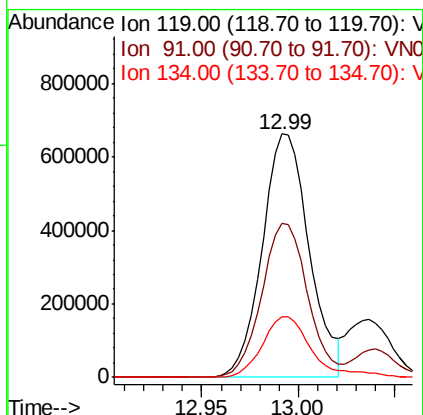
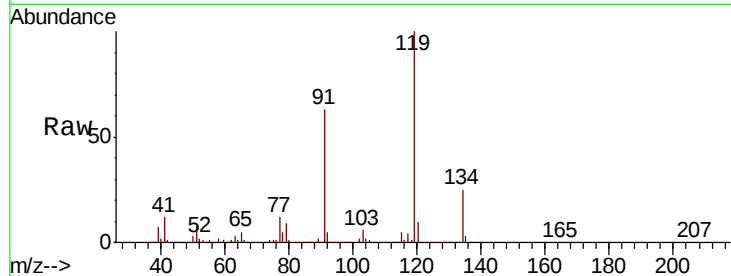
#83
tert-Butylbenzene
Concen: 19.931 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.9	92.8
134	26.3	13.2	39.6

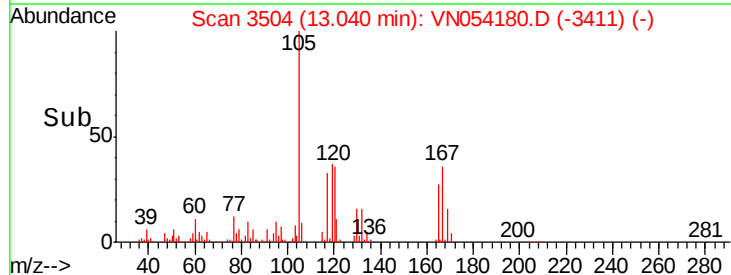
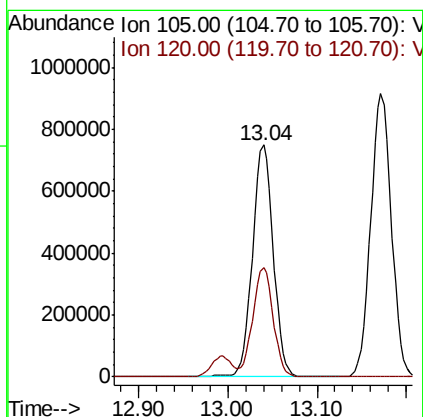
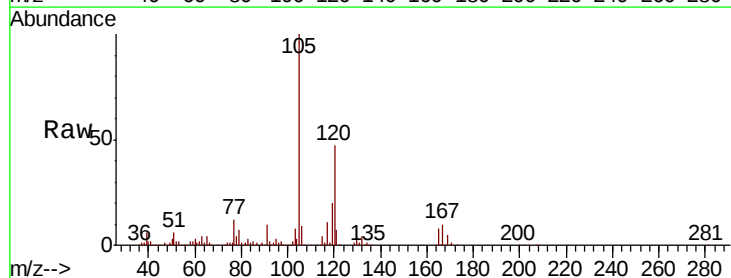
Manual Integrations
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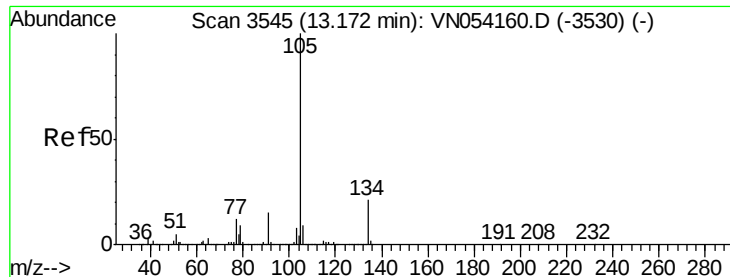
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#84
1,2,4-Trimethylbenzene
Concen: 20.353 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.3





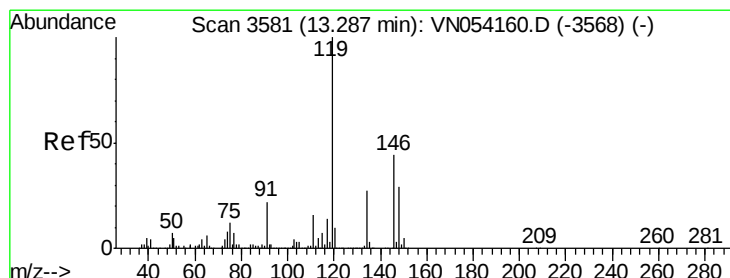
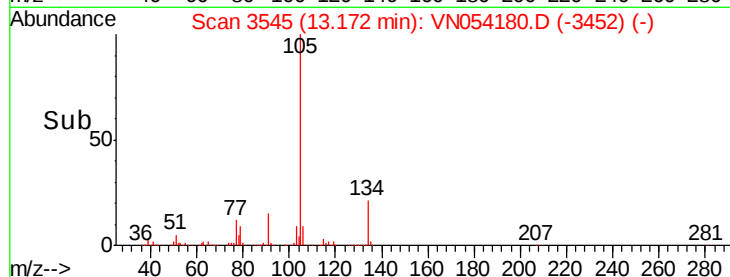
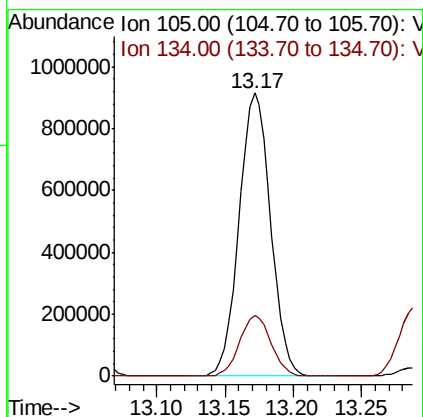
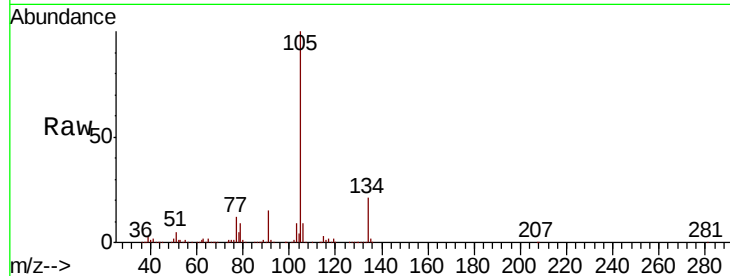
#85
 sec-Butylbenzene
 Concen: 20.010 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Tgt Ion:105 Resp: 1461283
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 32.1

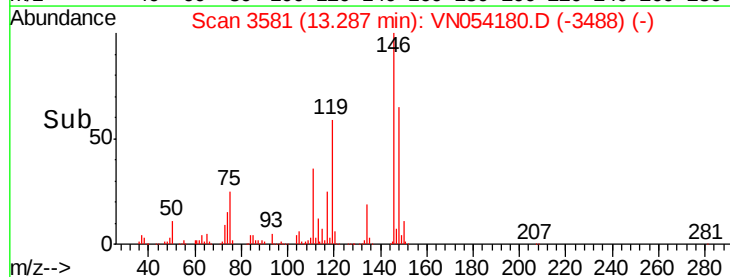
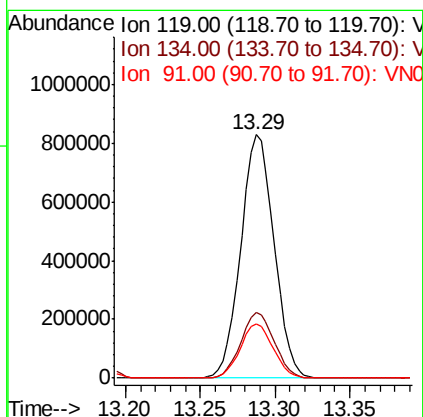
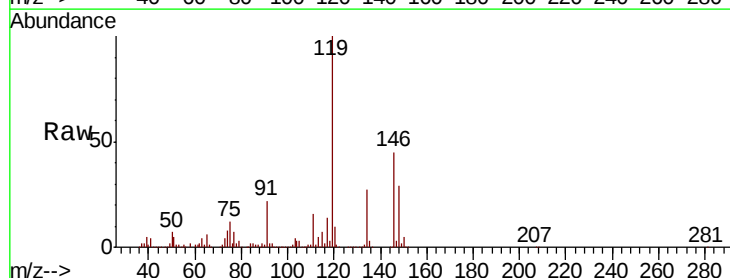
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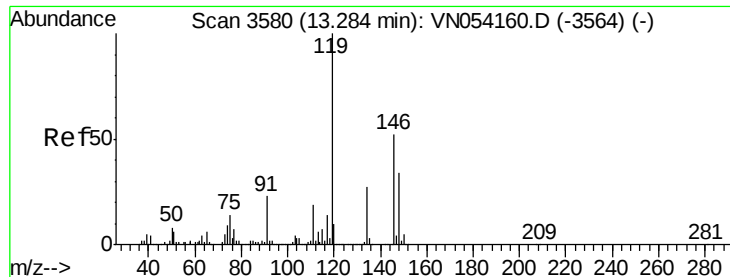
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 3/13/2019 11:41:13 AM



#86
 p-Isopropyltoluene
 Concen: 20.009 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion:119 Resp: 1281881
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.8
 91 22.1 11.1 33.3





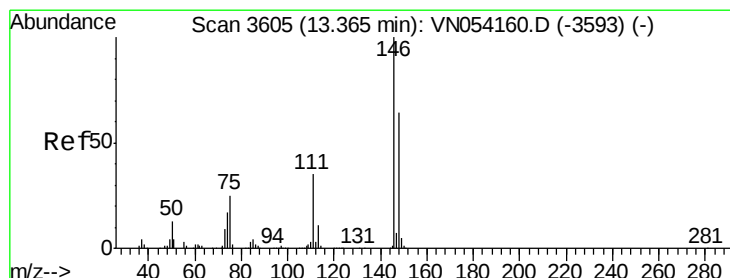
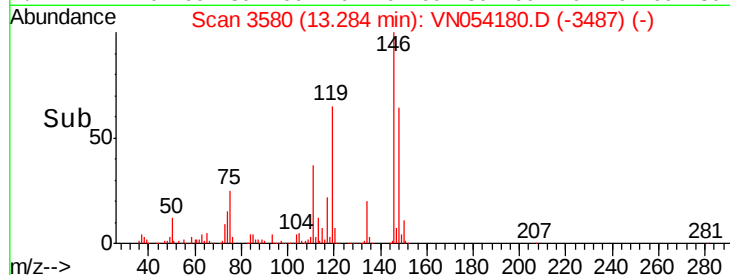
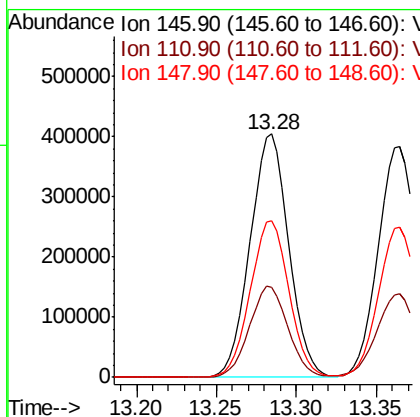
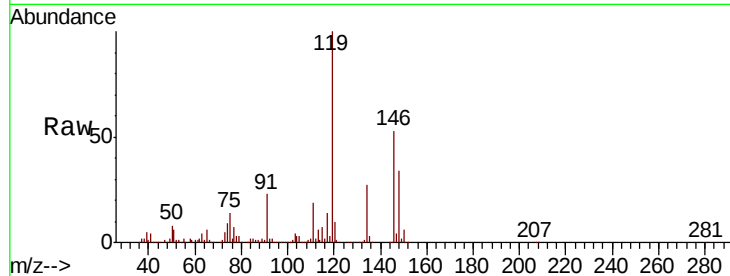
#87
 1,3-Dichlorobenzene
 Concen: 20.430 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.3	32.2	96.6

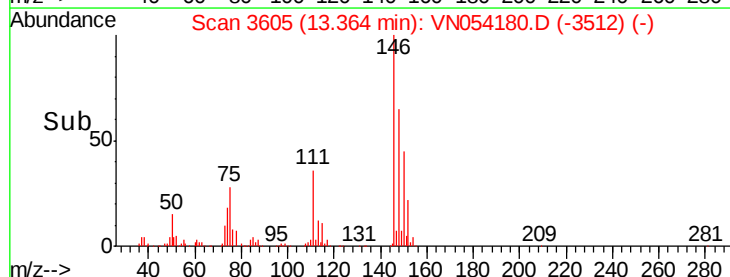
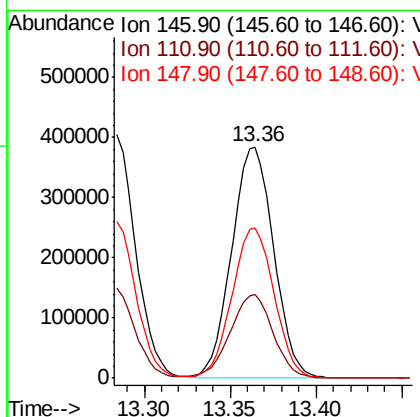
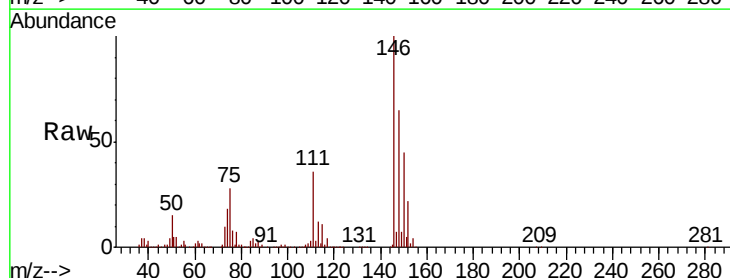
Manual Integrations
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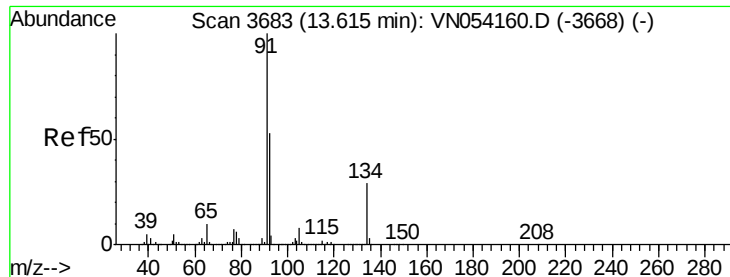
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#88
 1,4-Dichlorobenzene
 Concen: 20.195 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	65.1	32.0	96.0





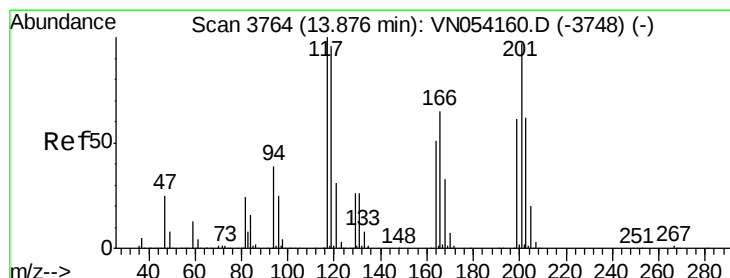
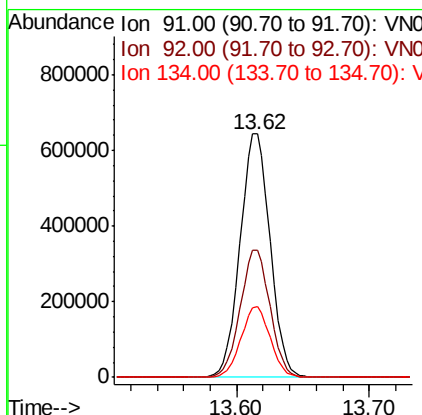
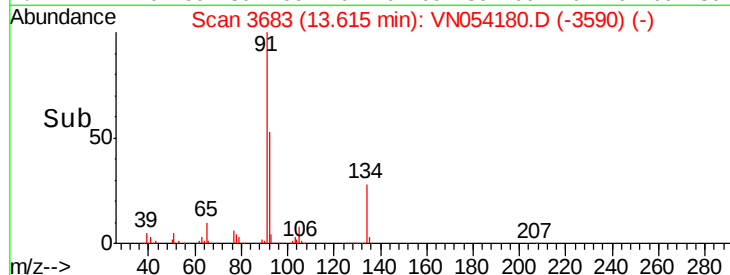
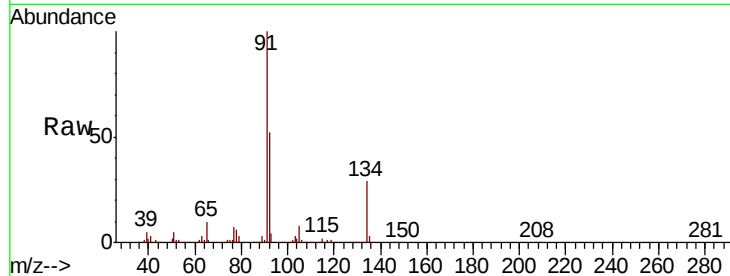
#89
n-Butylbenzene
Concen: 20.732 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion: 91 Resp: 1009176
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.6
134 28.5 14.3 42.9

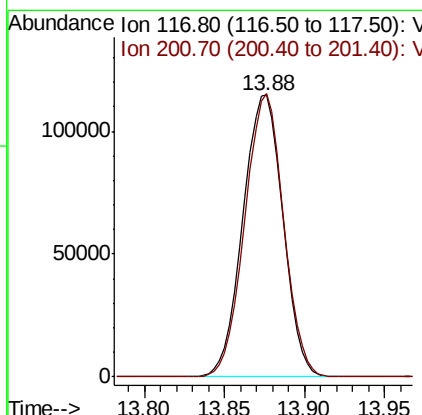
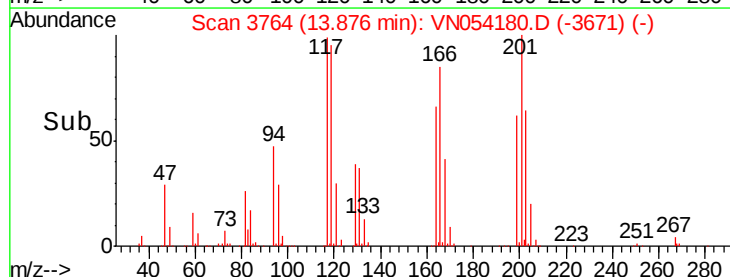
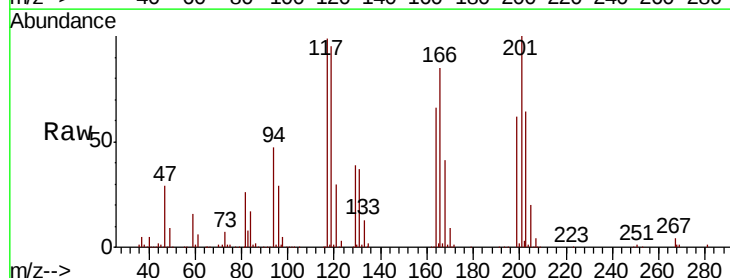
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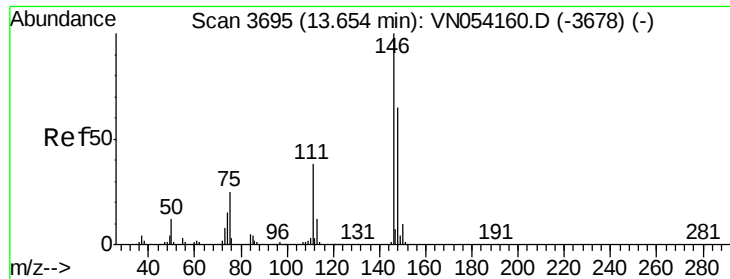
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#90
Hexachloroethane
Concen: 18.465 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 117 Resp: 195882
Ion Ratio Lower Upper
117 100
201 97.4 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.631 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

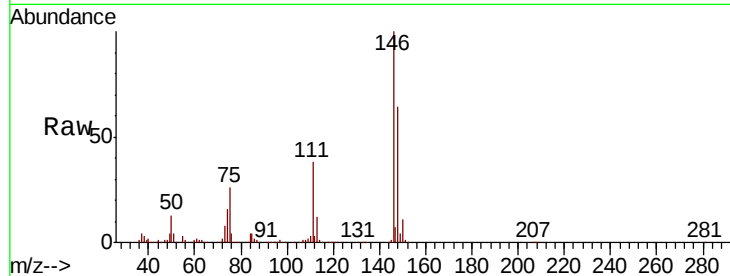
ClientSampled :

VN0312WBSD02

Tgt Ion:	146	Resp:	661411
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.3
148	64.1	32.4	97.0

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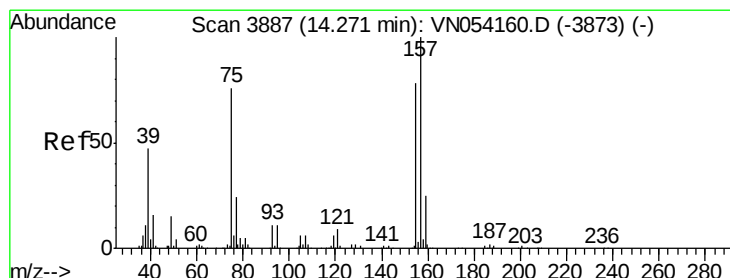
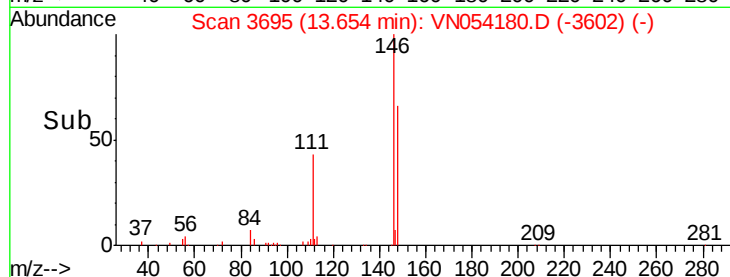
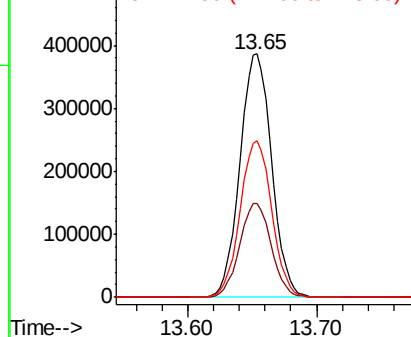


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.543 ug/l

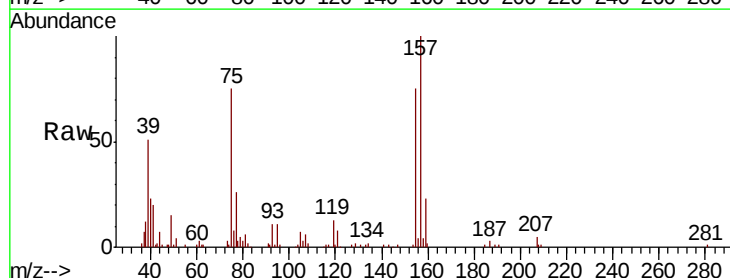
RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion:	75	Resp:	49812
Ion Ratio	Lower	Upper	
75	100		
155	99.0	50.1	150.3
157	129.8	63.1	189.3

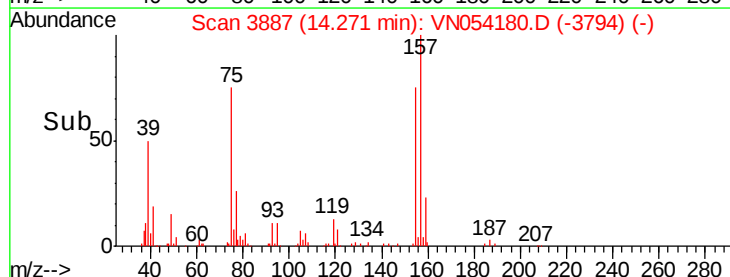
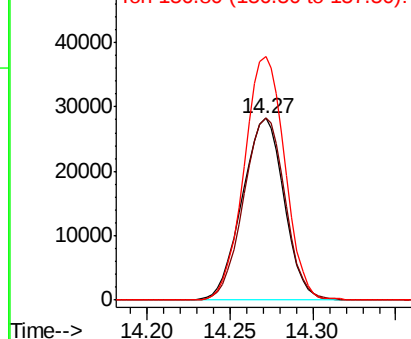


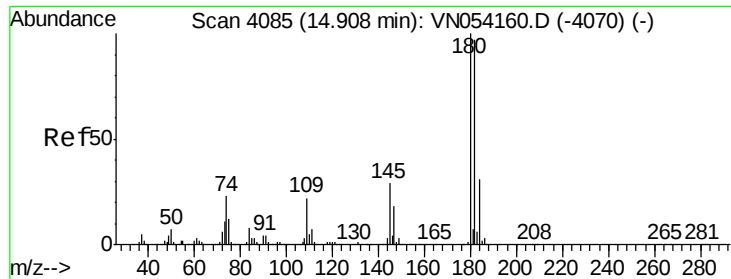
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





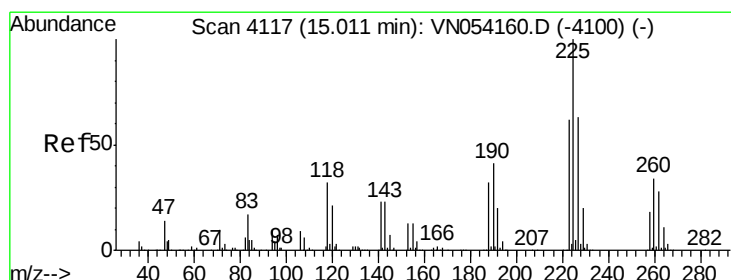
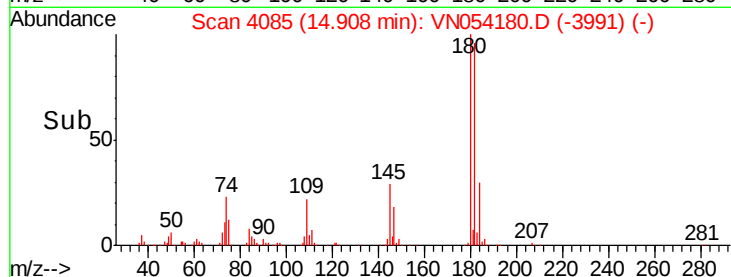
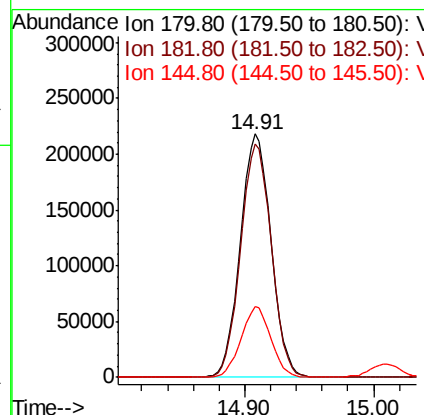
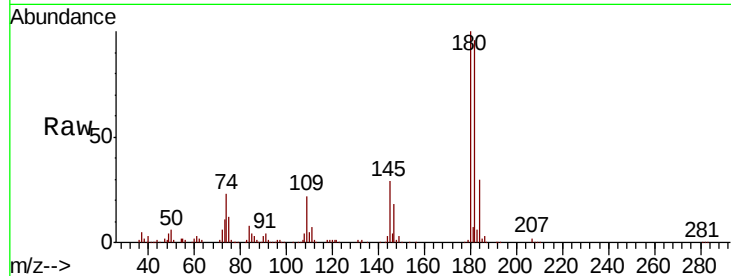
#93
 1,2,4-Trichlorobenzene
 Concen: 20.258 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	361582		
182	95.5	48.0	144.2	
145	27.9	14.2	42.8	

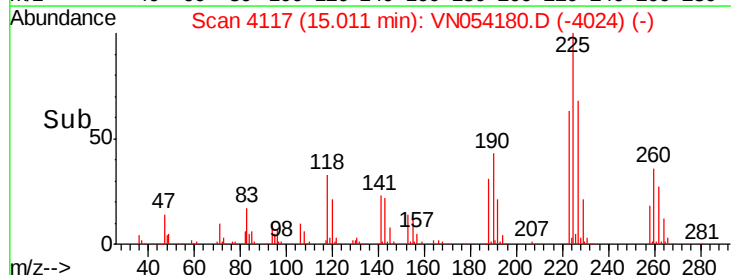
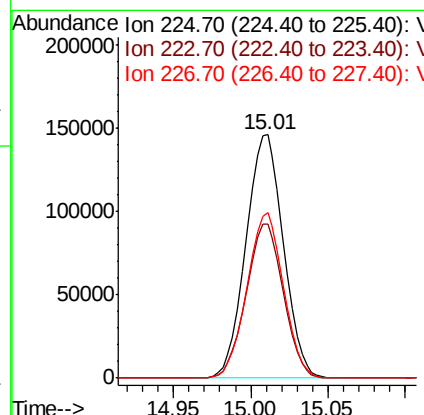
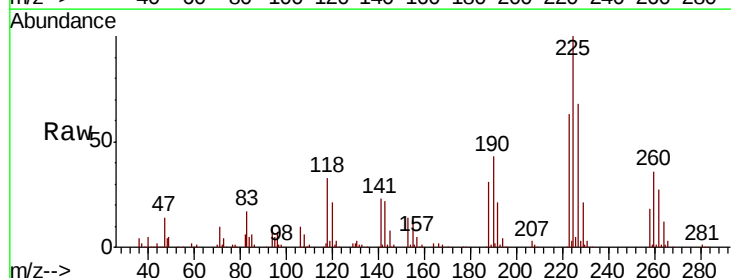
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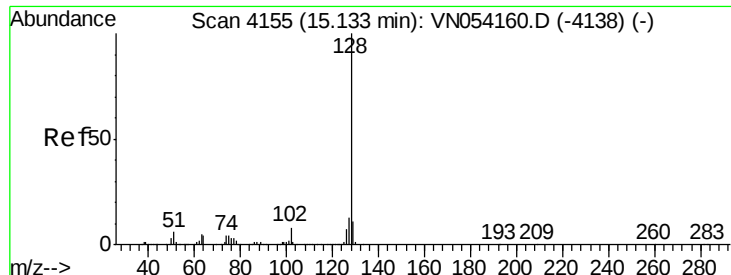
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#94
 Hexachlorobutadiene
 Concen: 20.138 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	245916		
223	63.0	31.1	93.5	
227	66.2	31.9	95.9	





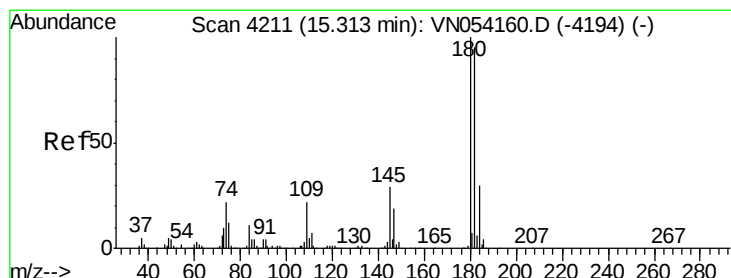
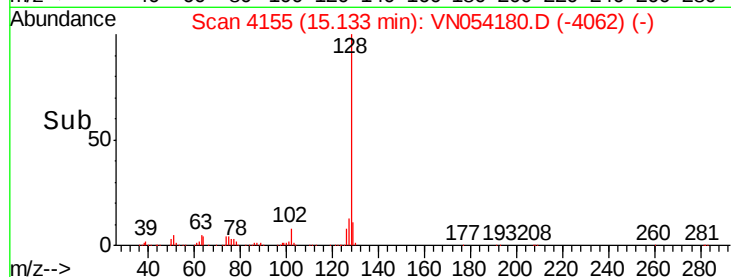
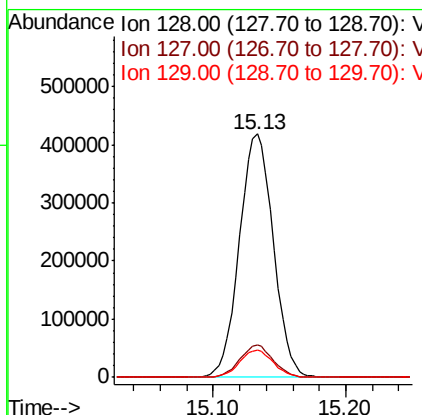
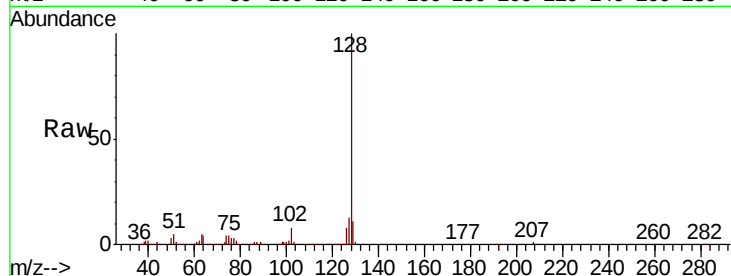
#95
Naphthalene
Concen: 20.608 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.699 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.5	142.6
145	30.1	14.8	44.3

