

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
 Data File : VN053207.D
 Acq On : 27 Dec 2018 12:50
 Operator : MD\SY
 Sample : VN1227WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 10:14:17 AM

Quant Time: Dec 28 01:23:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	939529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1453511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1276138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	528950	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	524915	55.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.10%	
35) Dibromofluoromethane	7.59	113	441006	66.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	132.84%	
50) Toluene-d8	10.09	98	1898867	53.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.40	95	624082	49.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	172338	18.124	ug/l	99
3) Chloromethane	2.06	50	216774	18.813	ug/l	99
4) Vinyl Chloride	2.19	62	225438	19.318	ug/l	99
5) Bromomethane	2.58	94	145355	17.978	ug/l	96
6) Chloroethane	2.71	64	136248	19.713	ug/l	98
7) Trichlorofluoromethane	3.03	101	292987	20.154	ug/l	100
8) Diethyl Ether	3.41	74	116729	21.284	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	185102	19.970	ug/l	99
10) Methyl Iodide	3.96	142	257726	19.800	ug/l	99
11) Tert butyl alcohol	4.78	59	57741	99.253	ug/l	99
12) 1,1-Dichloroethene	3.74	96	181925	20.316	ug/l	98
13) Acrolein	3.61	56	55794	105.771	ug/l	97
14) Allyl chloride	4.33	41	300810	21.686	ug/l	95
15) Acrylonitrile	4.99	53	344928	106.725	ug/l	100
16) Acetone	3.82	43	212839	113.854	ug/l	98
17) Carbon Disulfide	4.06	76	480219	16.443	ug/l	100
18) Methyl Acetate	4.33	43	190868	23.041	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	510230	21.291	ug/l	98
20) Methylene Chloride	4.55	84	216375	21.219	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	191138	19.866	ug/l	99
22) Diisopropyl ether	5.95	45	660753	22.317	ug/l	98
23) Vinyl Acetate	5.90	43	1872823	110.002	ug/l	99
24) 1,1-Dichloroethane	5.85	63	376843	21.419	ug/l	99
25) 2-Butanone	6.84	43	356961	113.779	ug/l	98
26) 2,2-Dichloropropane	6.83	77	259213	19.300	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	227397	20.877	ug/l	99
28) Bromochloromethane	7.20	49	171945	22.554	ug/l	98
29) Tetrahydrofuran	7.21	42	252303	107.676	ug/l	99
30) Chloroform	7.37	83	365456	21.145	ug/l	99
31) Cyclohexane	7.66	56	344290	20.239	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	301301	20.465	ug/l	99
36) 1,1-Dichloropropene	7.80	75	277818	19.914	ug/l	100
37) Ethyl Acetate	6.93	43	169074	21.709	ug/l	99
38) Carbon Tetrachloride	7.78	117	258505	20.215	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	310143	18.300	ug/l	100
40) Benzene	8.04	78	862702	20.789	ug/l	100
41) Methacrylonitrile	7.17	41	98901	21.978	ug/l	95
42) 1,2-Dichloroethane	8.12	62	253154	20.650	ug/l	99
43) Isopropyl Acetate	8.17	43	310246	19.957	ug/l #	91
44) Trichloroethene	8.84	130	233266	19.434	ug/l	99
45) 1,2-Dichloropropane	9.12	63	230215	21.299	ug/l	98
46) Dibromomethane	9.21	93	129440	20.557	ug/l	99
47) Bromodichloromethane	9.40	83	280724	20.974	ug/l	100
48) Methyl methacrylate	9.20	41	160029	21.175	ug/l	97
49) 1,4-Dioxane	9.20	88	34098	356.678	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	819077	108.598	ug/l	99
52) Toluene	10.16	92	530004	20.606	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	279078	19.829	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	328969	20.363	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	188938	21.055	ug/l	99
56) Ethyl methacrylate	10.43	69	245850	20.699	ug/l	98
57) 1,3-Dichloropropane	10.71	76	323132	20.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	699366	107.257	ug/l	99
59) 2-Hexanone	10.75	43	548856	107.556	ug/l	99
60) Dibromochloromethane	10.90	129	208765	20.325	ug/l	100
61) 1,2-Dibromoethane	11.01	107	184605	20.256	ug/l	100
64) Tetrachloroethene	10.63	164	245984	17.795	ug/l	99
65) Chlorobenzene	11.43	112	576685	20.386	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	206592	21.001	ug/l	99
67) Ethyl Benzene	11.51	91	987481	20.298	ug/l	99
68) m/p-Xylenes	11.62	106	734195	39.699	ug/l	100
69) o-Xylene	11.95	106	363130	20.462	ug/l	100
70) Styrene	11.96	104	584606	20.202	ug/l	99
71) Bromoform	12.13	173	134683	18.952	ug/l #	99
73) Isopropylbenzene	12.25	105	956646	23.115	ug/l	100
74) N-amyl acetate	12.07	43	267734	23.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	203803	25.101	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	177110m	19.890	ug/l	
77) Bromobenzene	12.53	156	242632	22.554	ug/l	97
78) n-propylbenzene	12.59	91	1037888	22.020	ug/l	100
79) 2-Chlorotoluene	12.67	91	621663	21.278	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	725478	21.507	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57216	20.711	ug/l	100
82) 4-Chlorotoluene	12.77	91	619533	21.662	ug/l	100
83) tert-Butylbenzene	12.99	119	650840	21.816	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	725144	21.384	ug/l	100
85) sec-Butylbenzene	13.17	105	839295	20.799	ug/l	99
86) p-Isopropyltoluene	13.29	119	707888	20.302	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	387963	20.376	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	380427	19.730	ug/l	99
89) n-Butylbenzene	13.62	91	558761	18.627	ug/l	100
90) Hexachloroethane	13.88	117	110459	20.643	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	365574	20.401	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27714	19.741	ug/l	97

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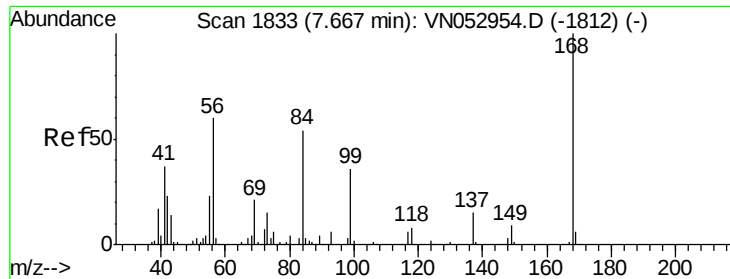
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	172401	18.539	ug/l	99
94) Hexachlorobutadiene	15.01	225	107217	20.093	ug/l	99
95) Naphthalene	15.13	128	372412	18.643	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	157859	18.785	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 168 Resp: 939529

Ion Ratio Lower Upper

168 100

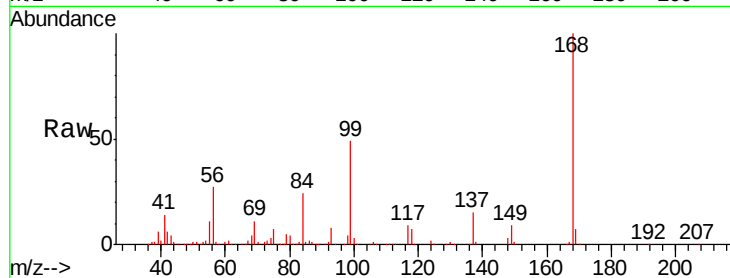
99 49.4 40.2 60.2

Manual Integrations

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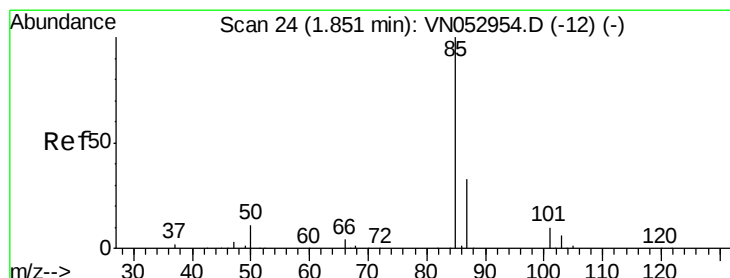
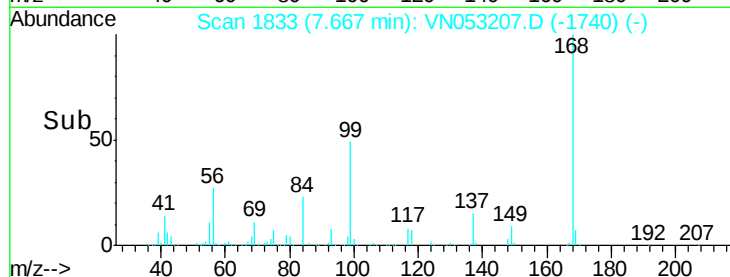
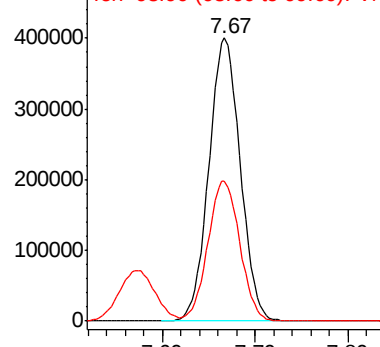
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.124 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053207.D

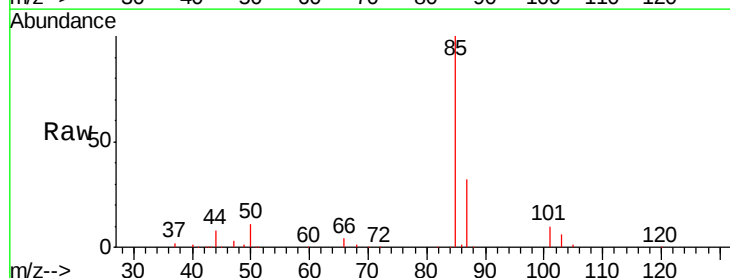
Acq: 27 Dec 2018 12:50

Tgt Ion: 85 Resp: 172338

Ion Ratio Lower Upper

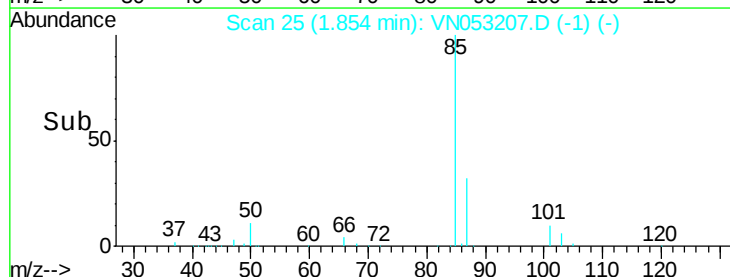
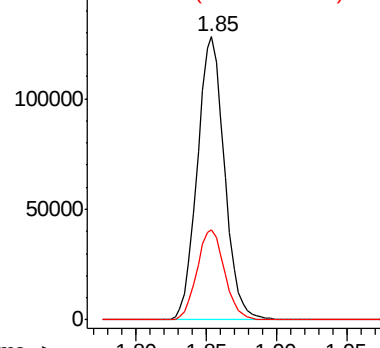
85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.813 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 50 Resp: 216774

Ion Ratio Lower Upper

50 100

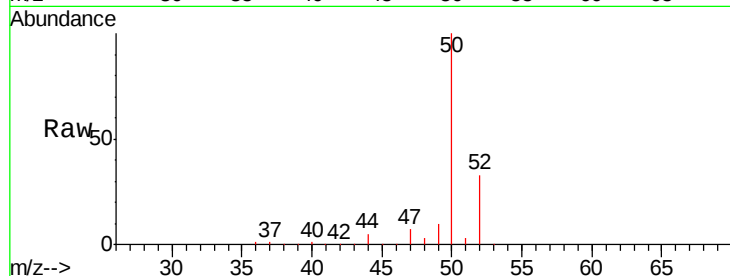
52 33.2 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

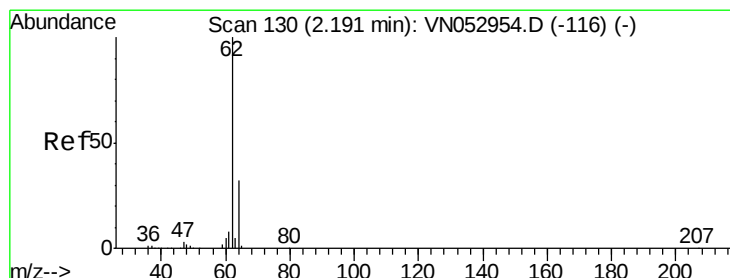
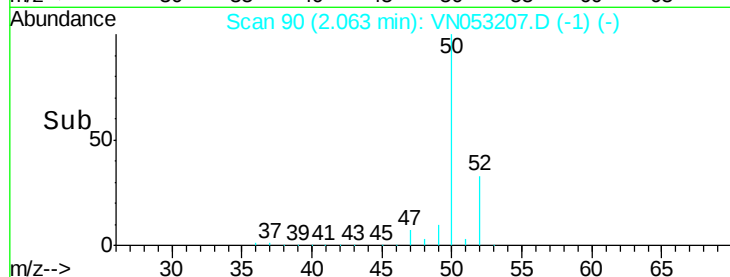
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.318 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053207.D

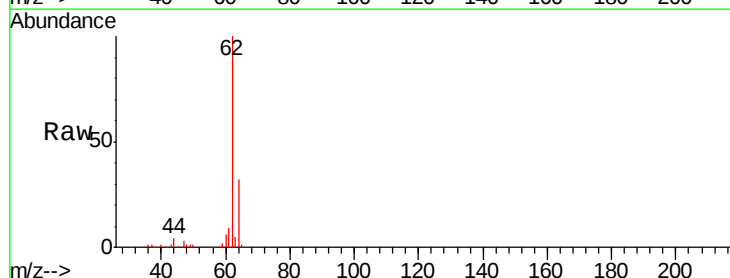
Acq: 27 Dec 2018 12:50

Tgt Ion: 62 Resp: 225438

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

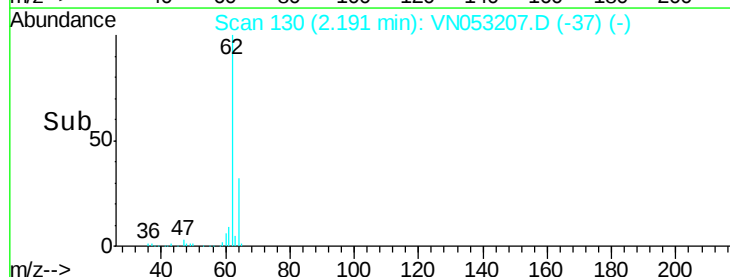
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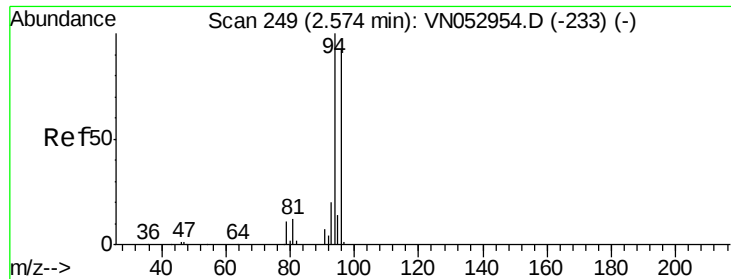
100000

50000

0

Time-->





#5

Bromomethane

Concen: 17.978 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 94 Resp: 145355

Ion Ratio Lower Upper

94 100

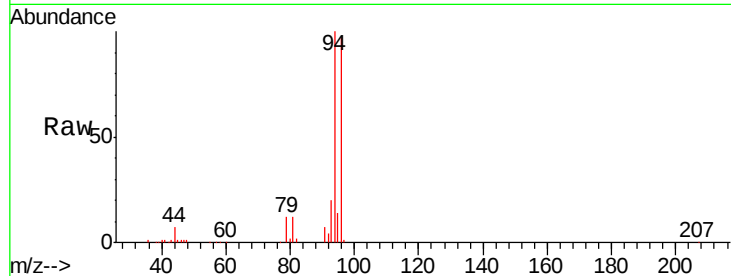
96 97.2 75.0 112.4

Manual Integrations

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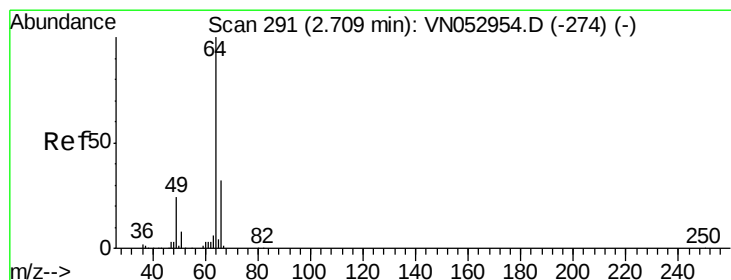
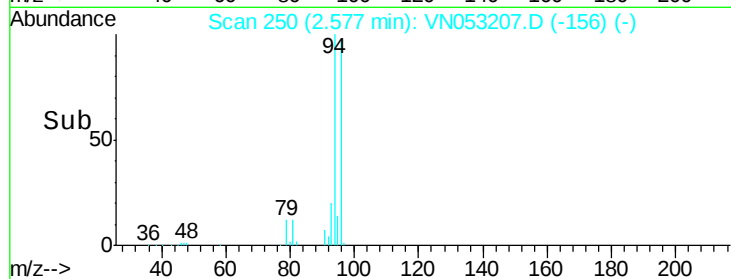
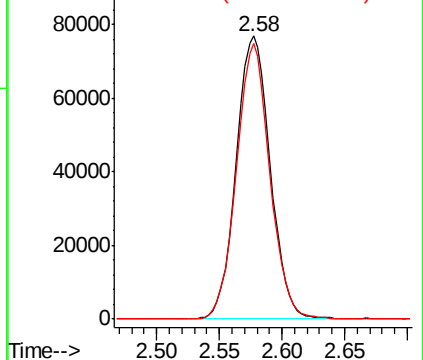
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.713 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053207.D

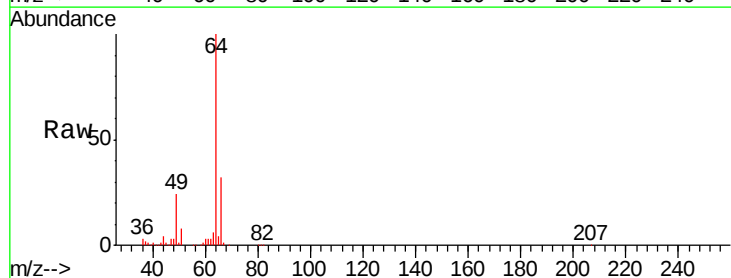
Acq: 27 Dec 2018 12:50

Tgt Ion: 64 Resp: 136248

Ion Ratio Lower Upper

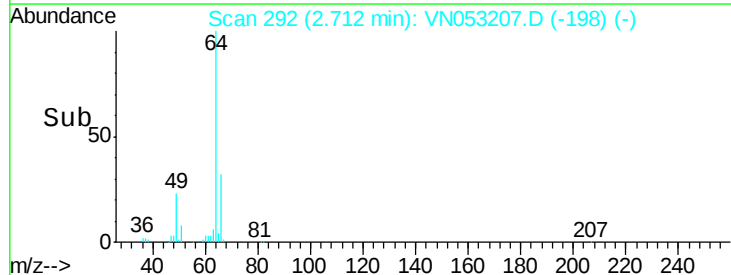
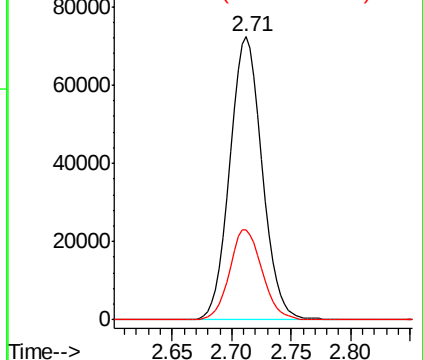
64 100

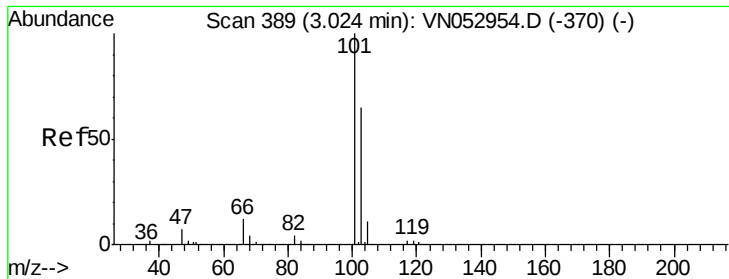
66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

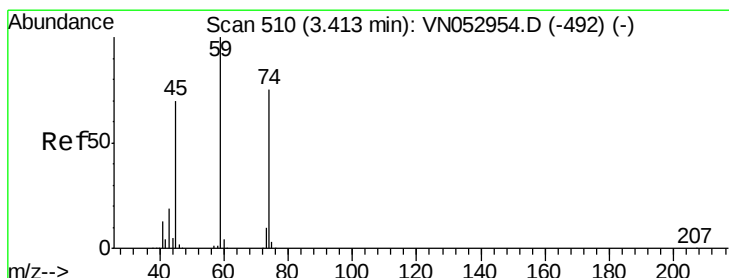
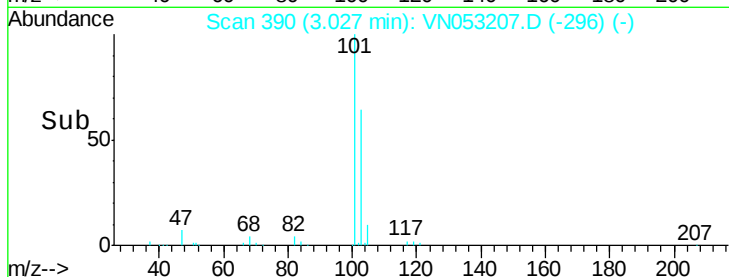
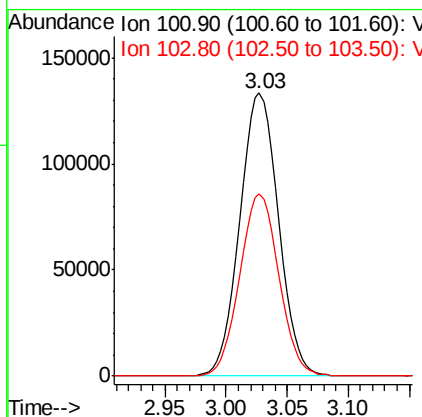
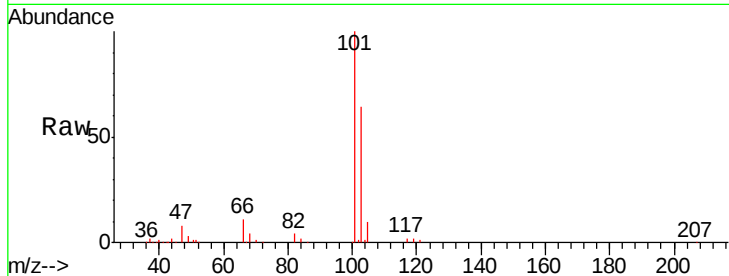
Trichlorofluoromethane
 Concen: 20.154 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.6

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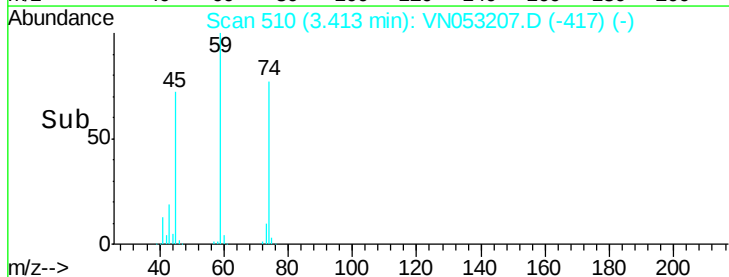
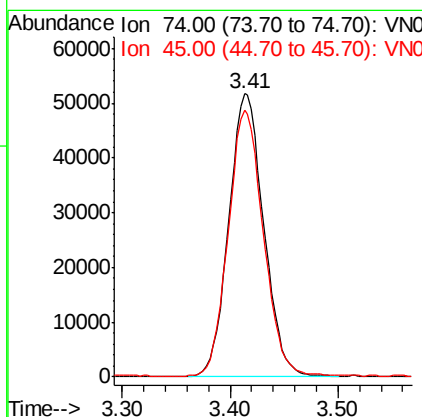
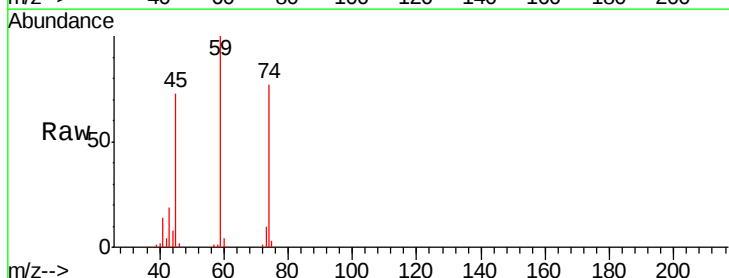
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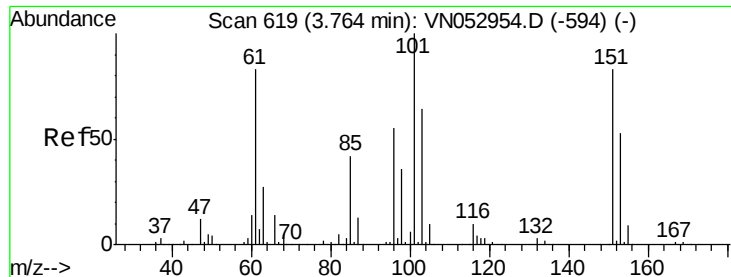


#8

Diethyl Ether
 Concen: 21.284 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.970 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

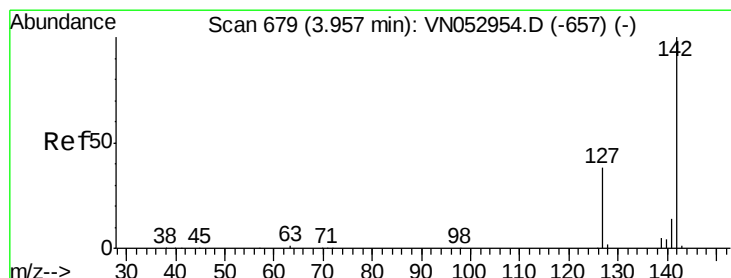
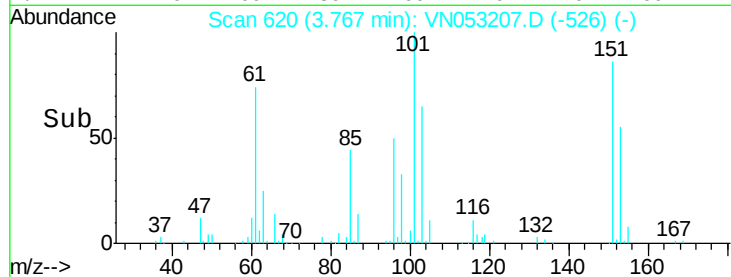
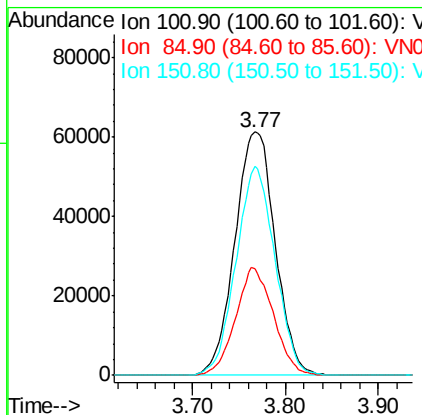
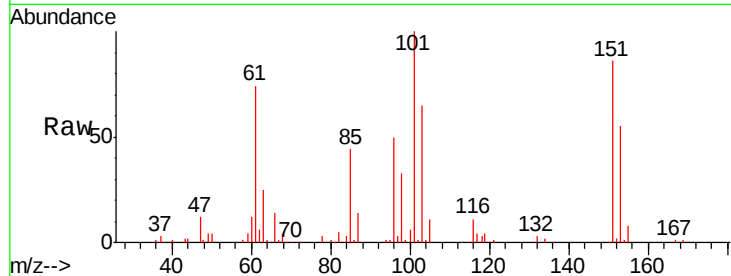
ClientSampleId :

VN1227WBSD01

Tgt Ion:	101	Resp:	185102
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.6	50.4
151	83.0	65.5	98.3

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#10

Methyl Iodide

Concen: 19.800 ug/l

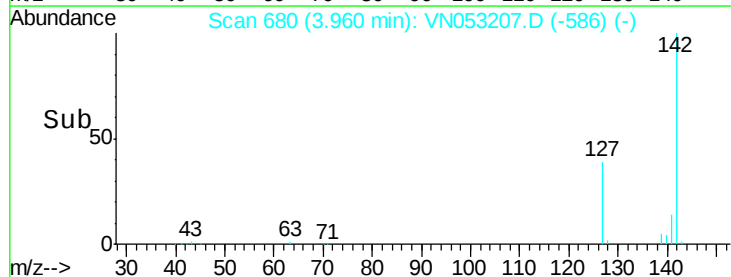
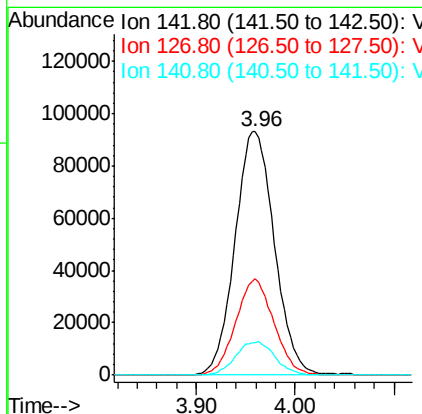
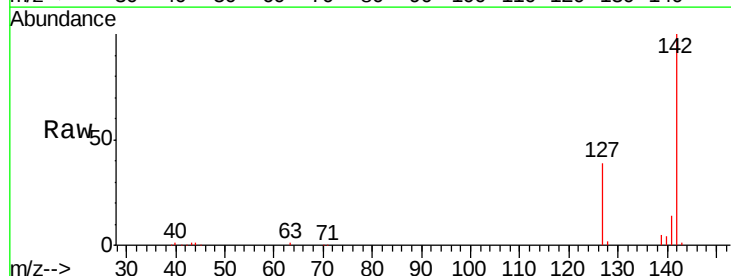
RT: 3.96 min Scan# 680

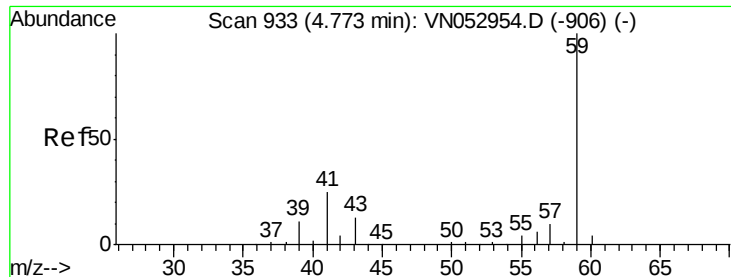
Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Tgt Ion:	142	Resp:	257726
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.6
141	13.7	11.2	16.8





#11

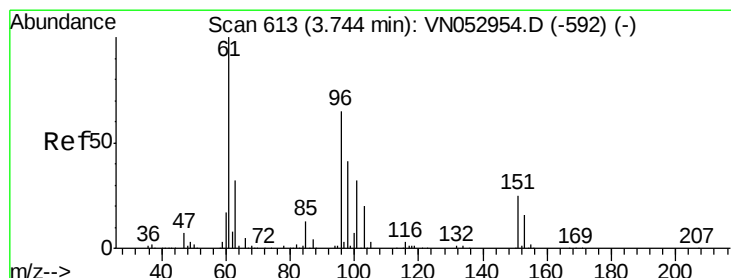
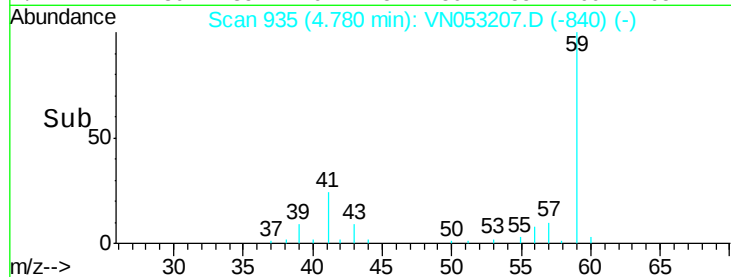
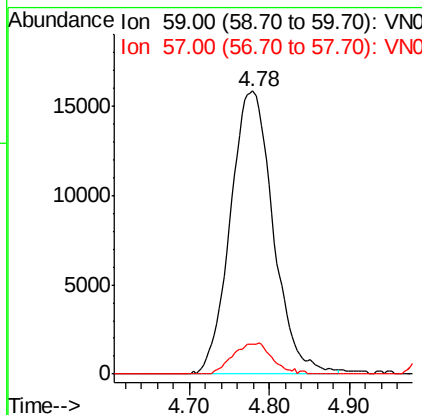
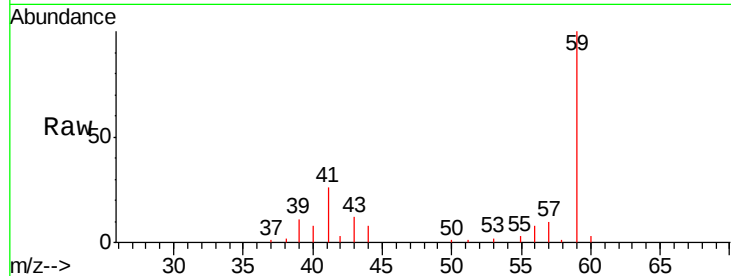
Tert butyl alcohol
 Concen: 99.253 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5

Manual Integrations
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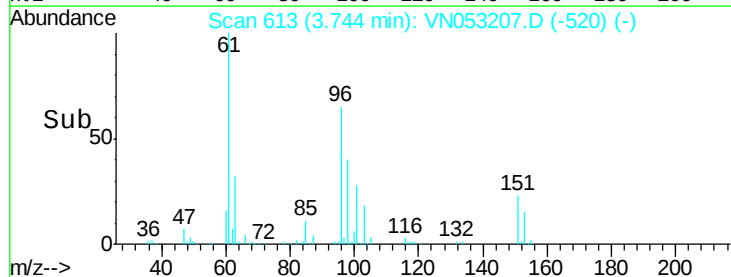
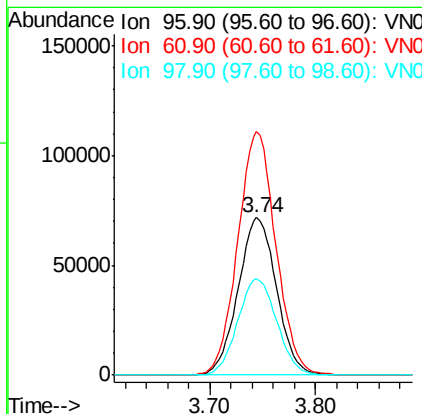
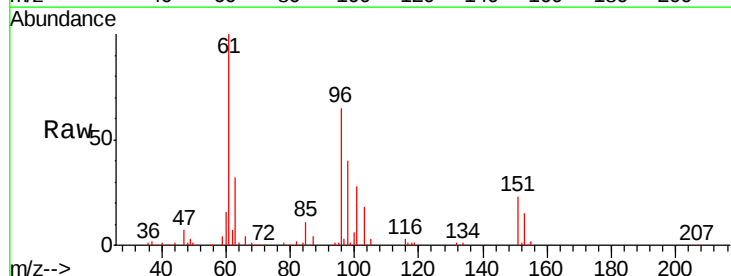
MMDadoda
 12/28/2018 10:14:17 AM

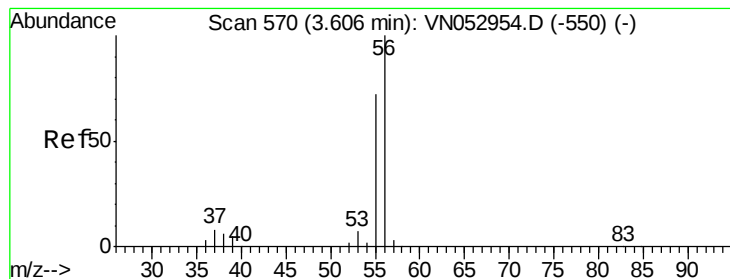


#12

1,1-Dichloroethene
 Concen: 20.316 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	125.6	188.4
98	61.3	50.6	75.8





#13

Acrolein

Concen: 105.771 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 56 Resp: 55794

Ion Ratio Lower Upper

56 100

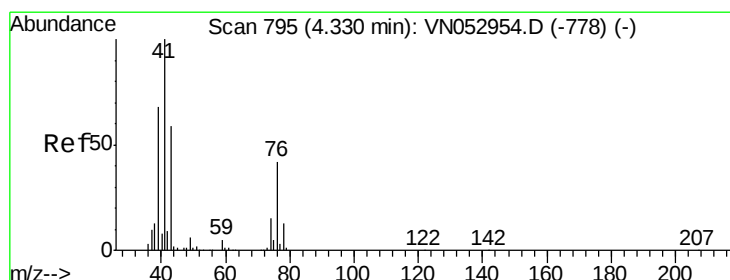
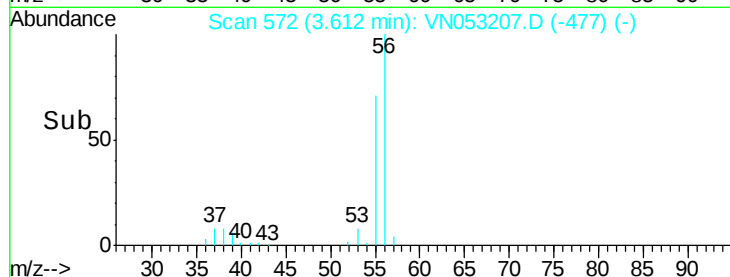
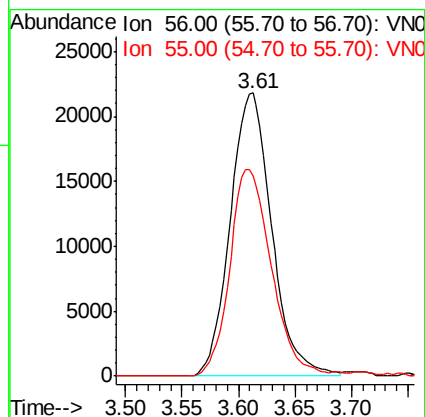
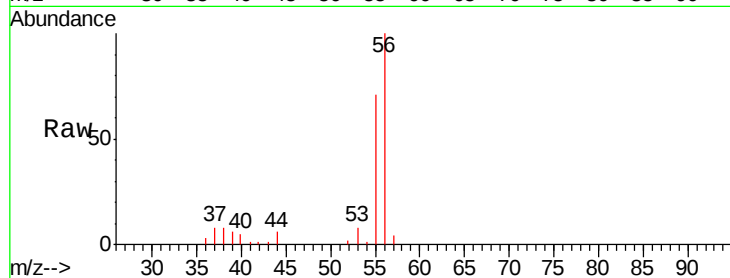
55 73.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 21.686 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

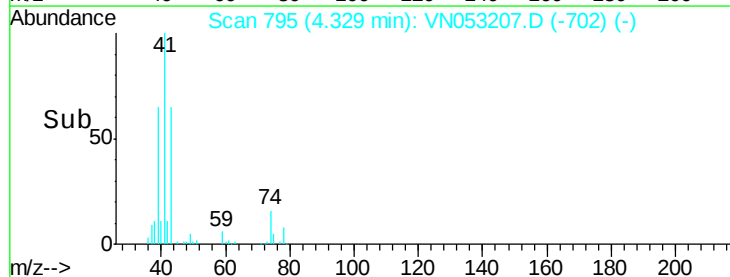
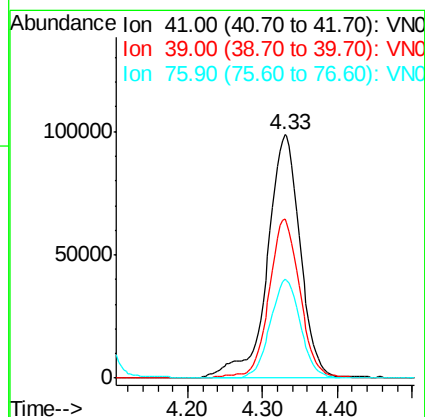
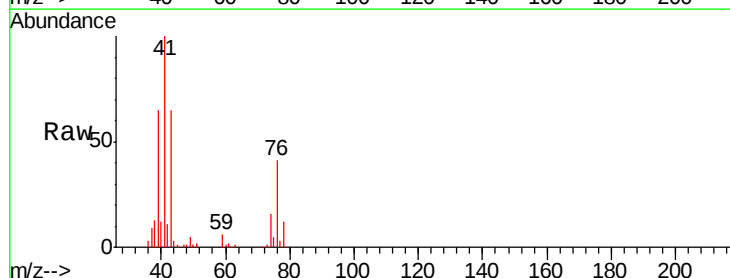
Tgt Ion: 41 Resp: 300810

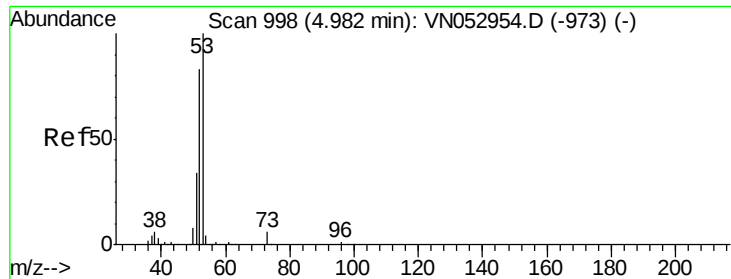
Ion Ratio Lower Upper

41 100

39 62.0 54.1 81.1

76 37.7 30.3 45.5





#15

Acrylonitrile

Concen: 106.725 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

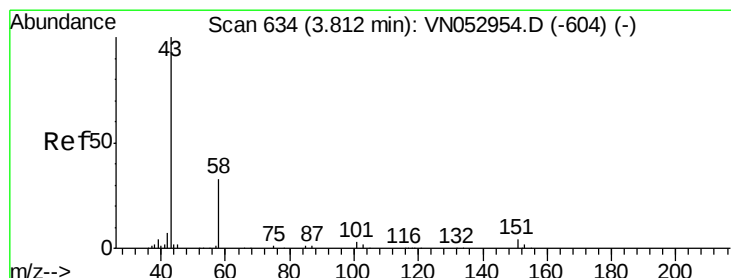
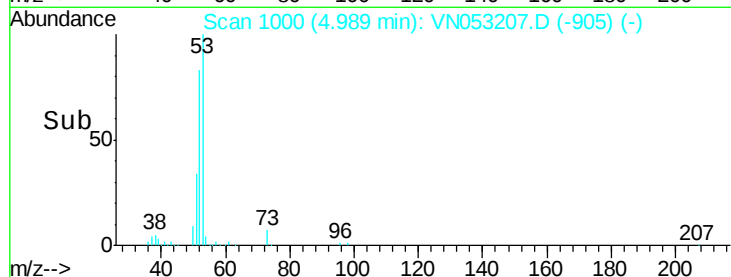
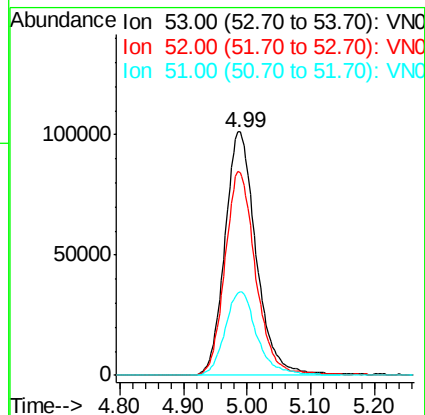
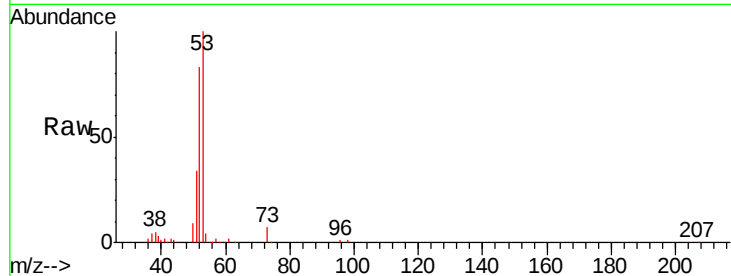
ClientSampleId :

VN1227WBSD01

Tgt Ion:	53	Resp:	344928
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.1	97.7
51	35.2	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 113.854 ug/l

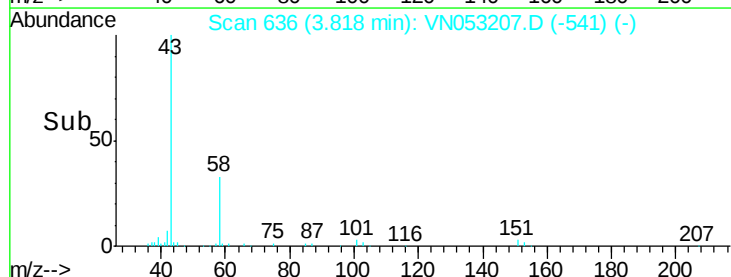
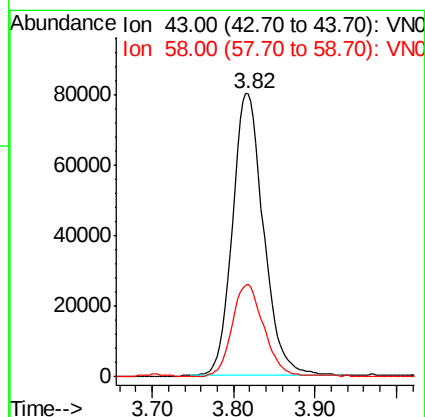
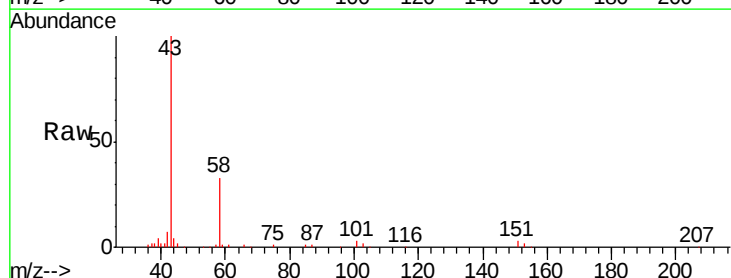
RT: 3.82 min Scan# 636

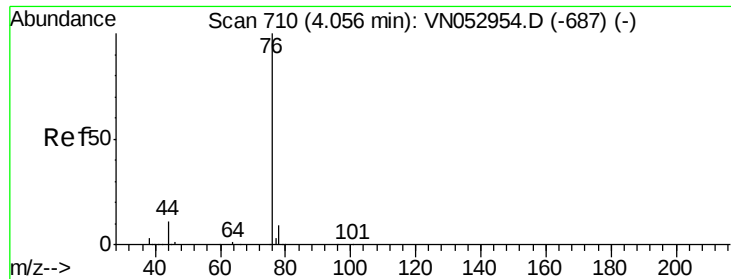
Delta R.T. 0.01 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Tgt Ion:	43	Resp:	212839
Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.4	38.0





#17

Carbon Disulfide

Concen: 16.443 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 76 Resp: 480219

Ion Ratio Lower Upper

76 100

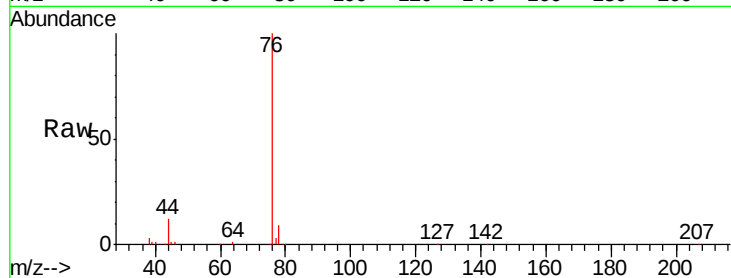
78 8.9 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

200000

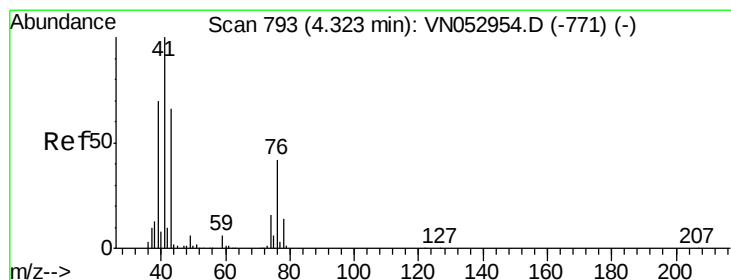
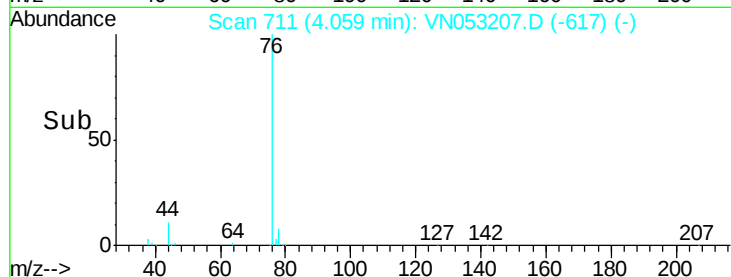
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 23.041 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053207.D

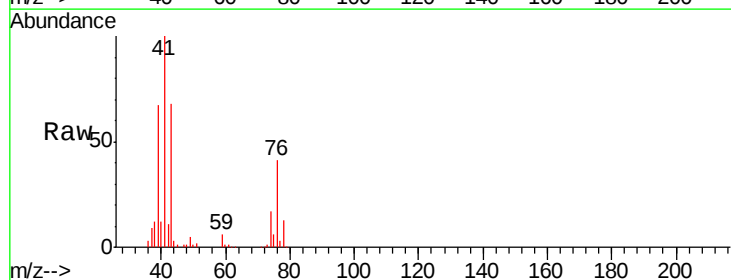
Acq: 27 Dec 2018 12:50

Tgt Ion: 43 Resp: 190868

Ion Ratio Lower Upper

43 100

74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

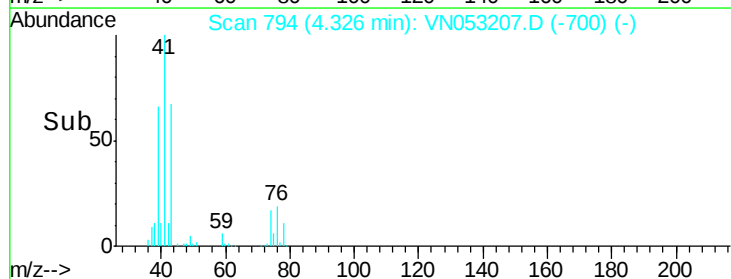
60000

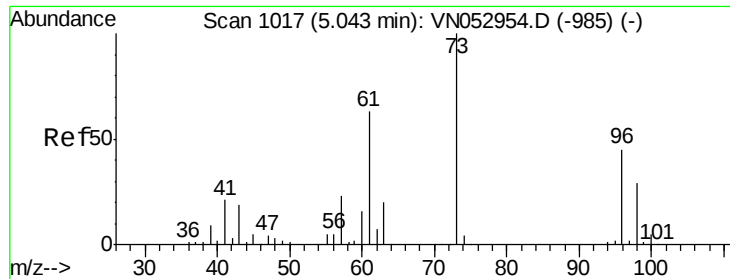
40000

20000

0

Time-->





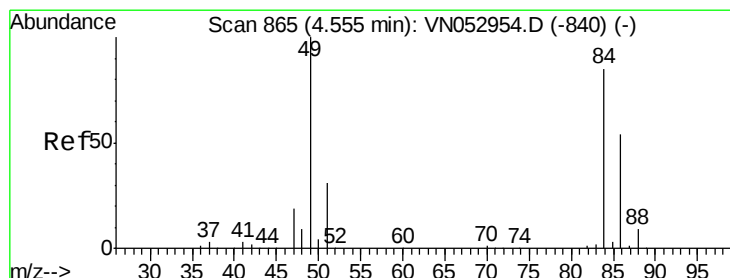
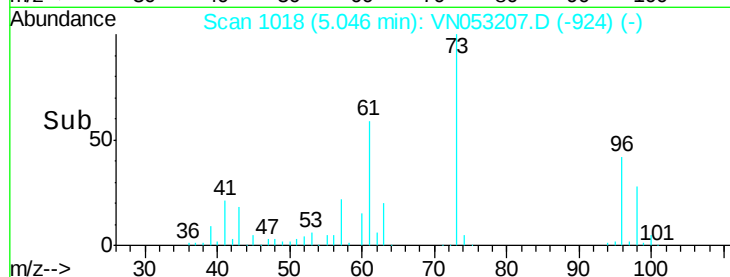
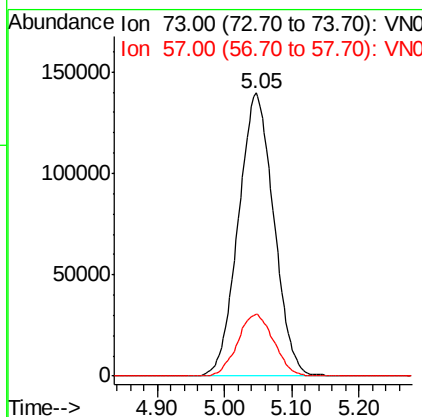
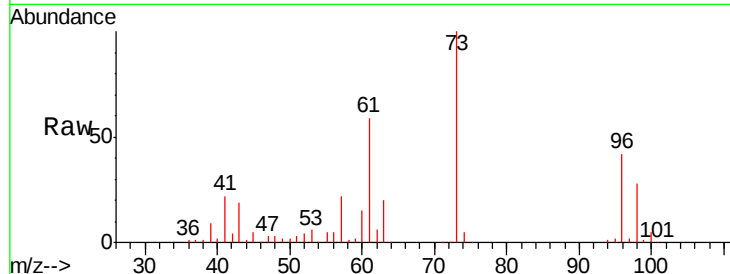
#19
Methyl tert-butyl Ether
Concen: 21.291 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 73 Resp: 510230
Ion Ratio Lower Upper
73 100
57 21.9 18.4 27.6

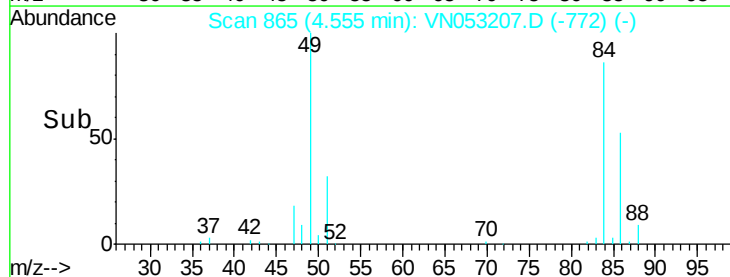
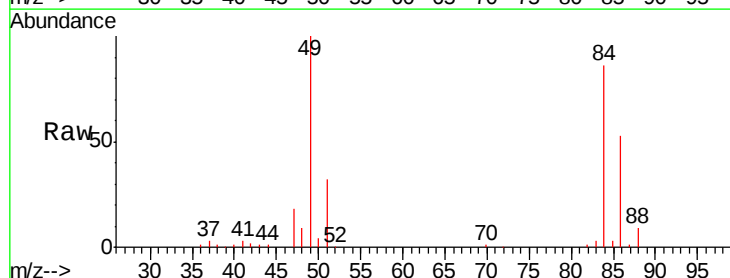
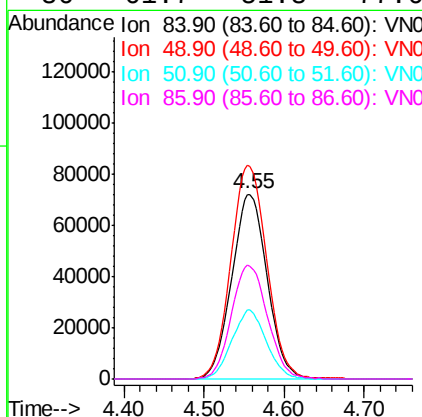
Manual Integrations
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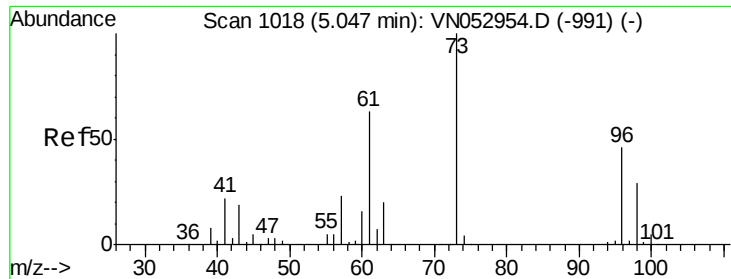
MMDadoda
12/28/2018 10:14:17 AM



#20
Methylene Chloride
Concen: 21.219 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 84 Resp: 216375
Ion Ratio Lower Upper
84 100
49 115.6 96.8 145.2
51 37.3 29.9 44.9
86 61.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.866 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 96 Resp: 191138

Ion Ratio Lower Upper

96 100

61 137.8 110.8 166.2

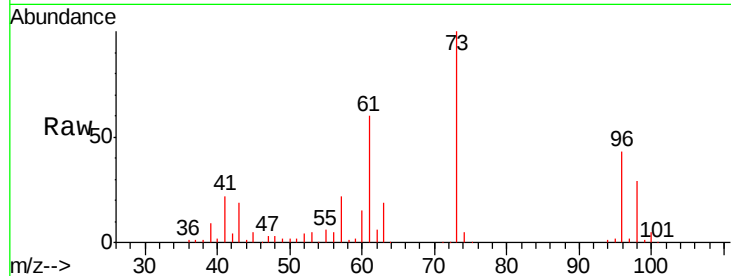
98 66.0 51.4 77.2

Manual Integrations

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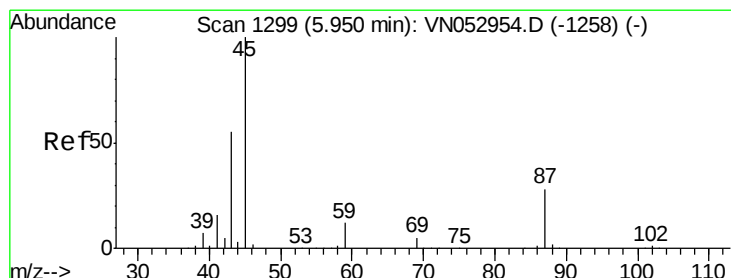
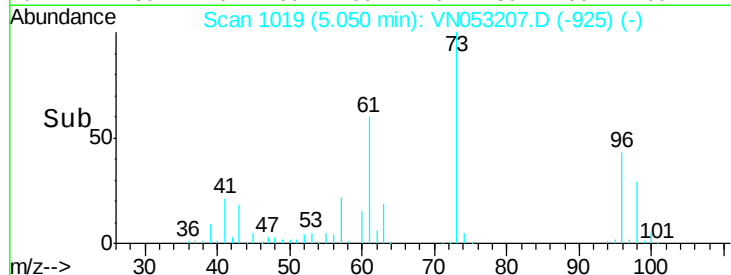
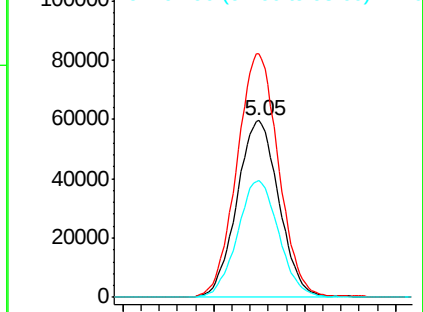


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.317 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Tgt Ion: 45 Resp: 660753

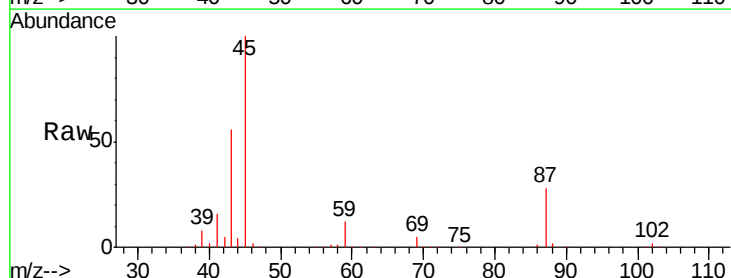
Ion Ratio Lower Upper

45 100

43 54.8 45.5 68.3

87 27.8 22.0 33.0

59 11.8 9.4 14.0



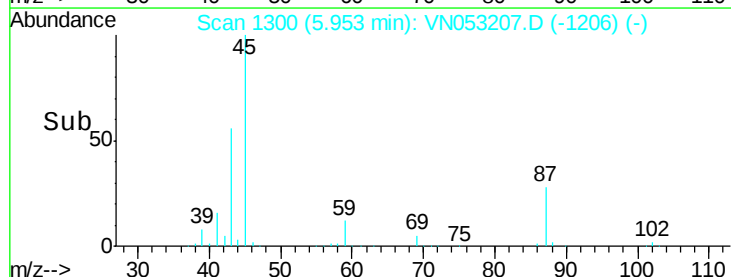
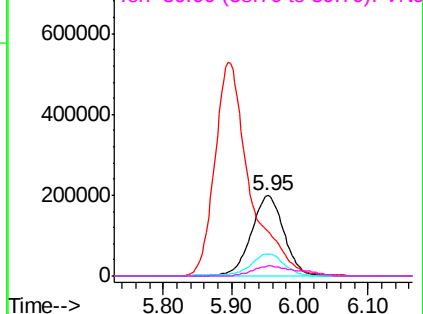
Abundance

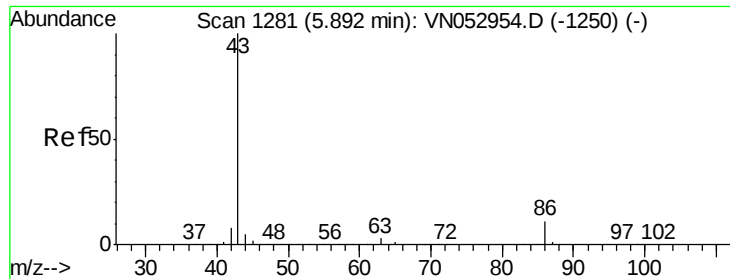
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





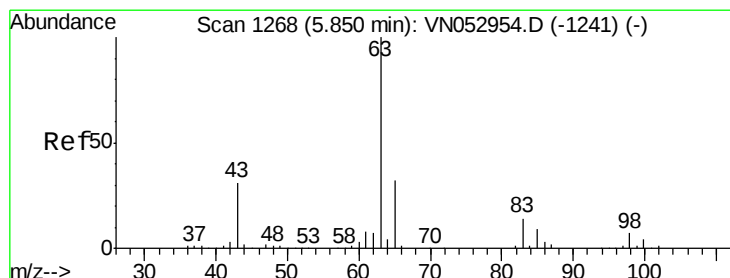
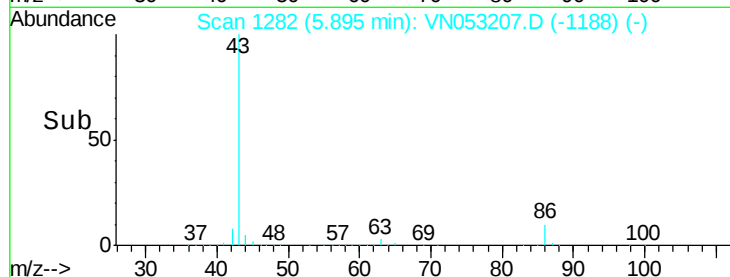
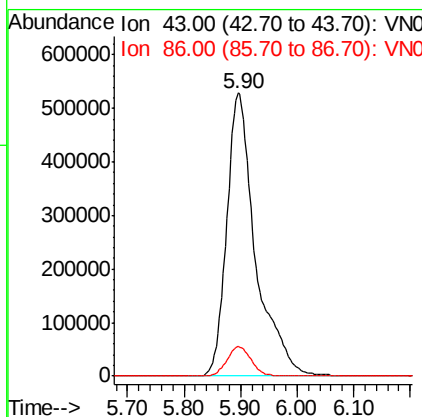
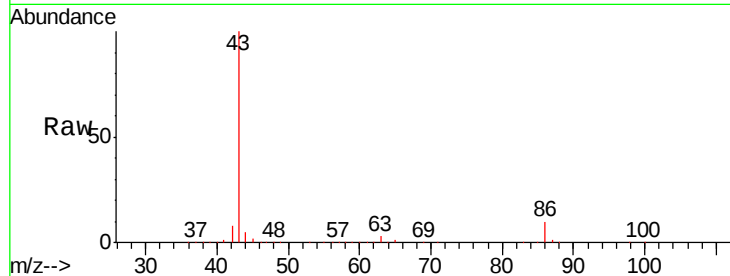
#23
 Vinyl Acetate
 Concen: 110.002 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion: 43 Resp: 1872823
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.1 12.1

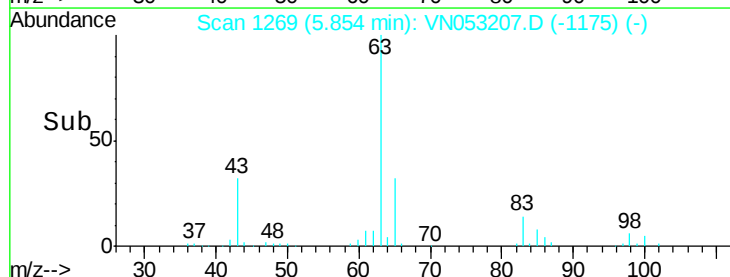
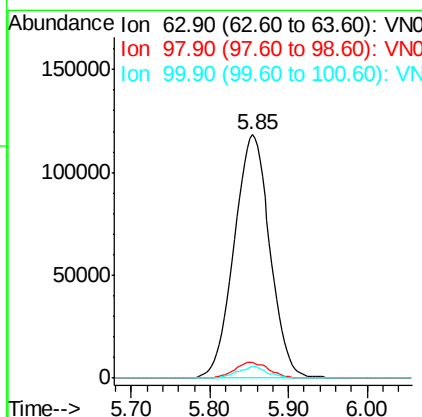
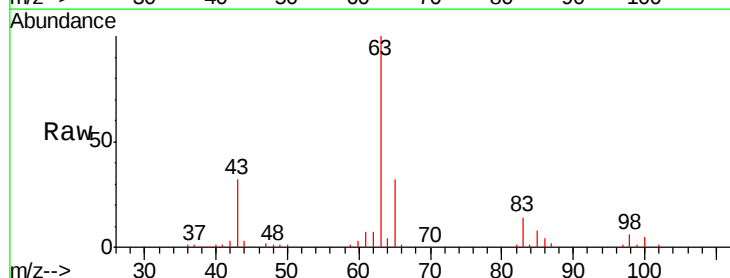
Manual Integrations
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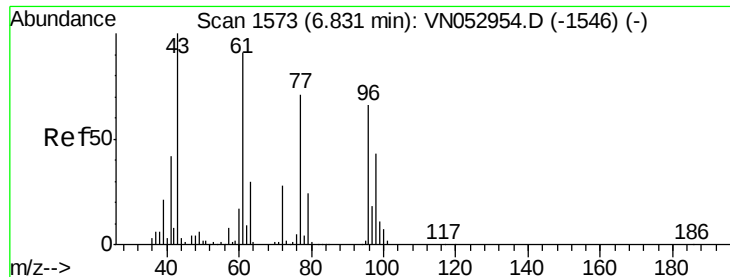
MMDadoda
 12/28/2018 10:14:17 AM



#24
 1,1-Dichloroethane
 Concen: 21.419 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 63 Resp: 376843
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.1 9.4
 100 4.8 2.0 5.8





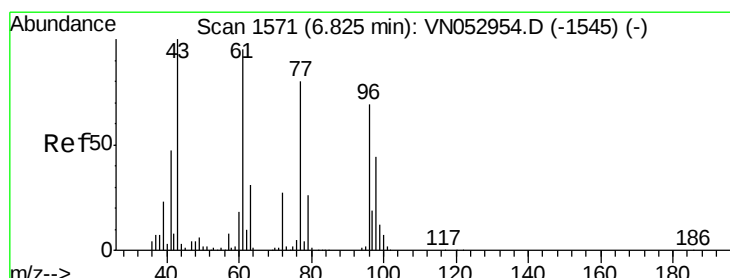
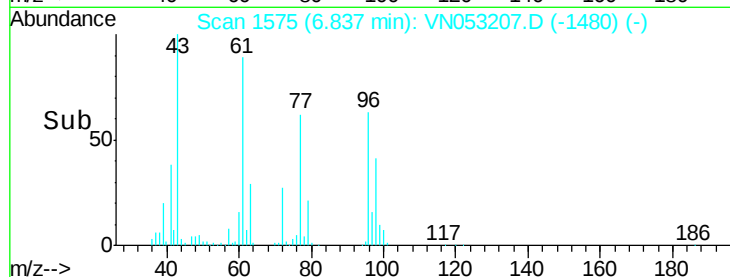
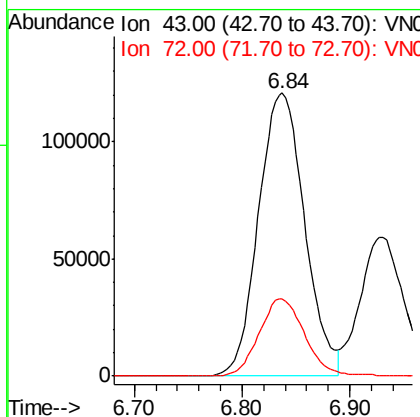
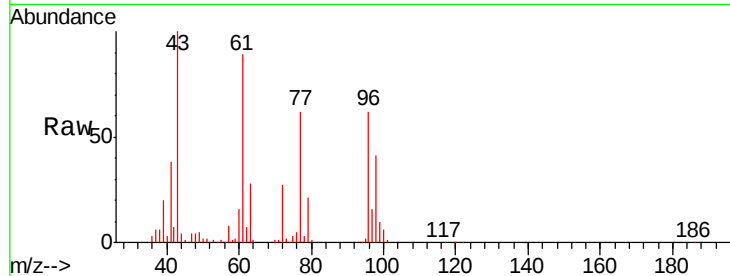
#25
2-Butanone
Concen: 113.779 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleID :
VN1227WBSD01

Tgt Ion: 43 Resp: 356961
Ion Ratio Lower Upper
43 100
72 27.2 21.0 31.6

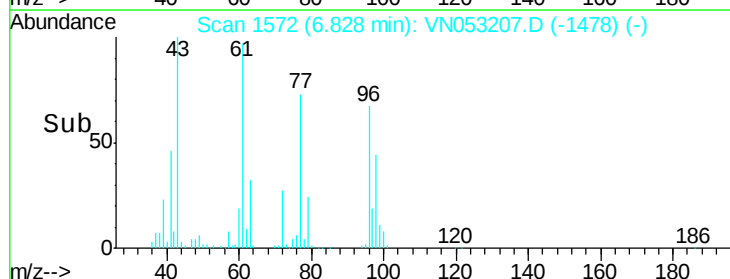
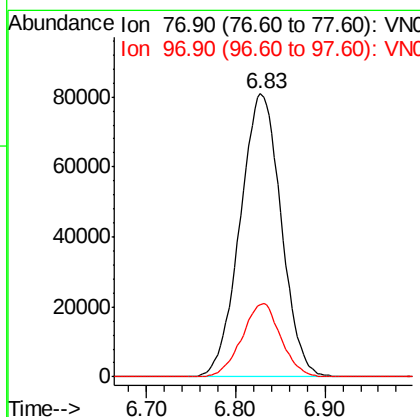
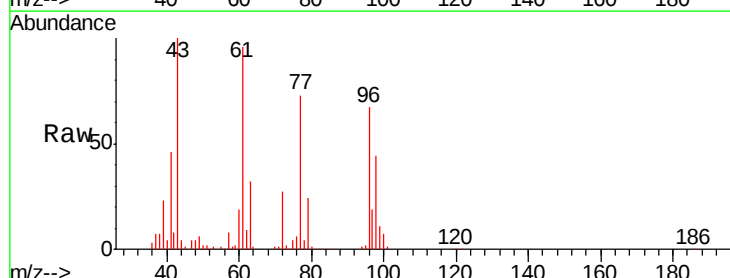
Manual Integrations
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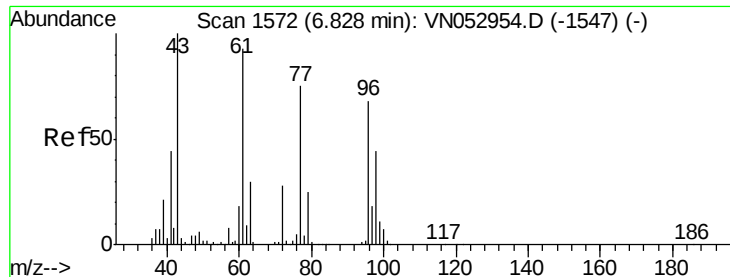
MMDadoda
12/28/2018 10:14:17 AM



#26
2,2-Dichloropropane
Concen: 19.300 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 77 Resp: 259213
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.877 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

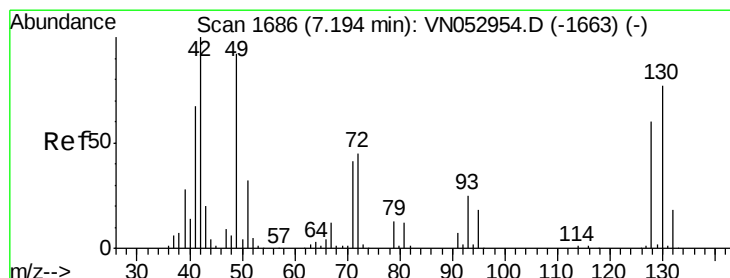
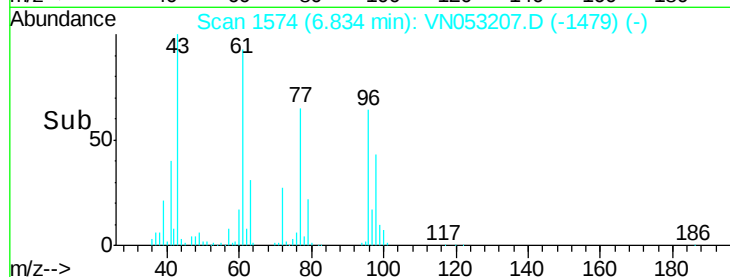
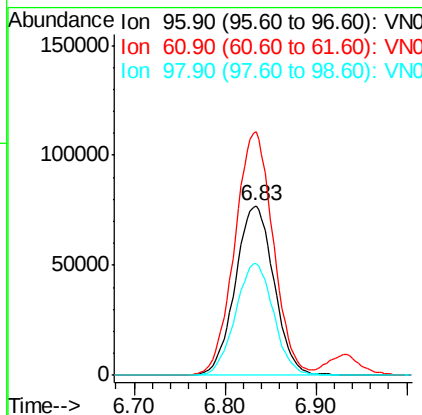
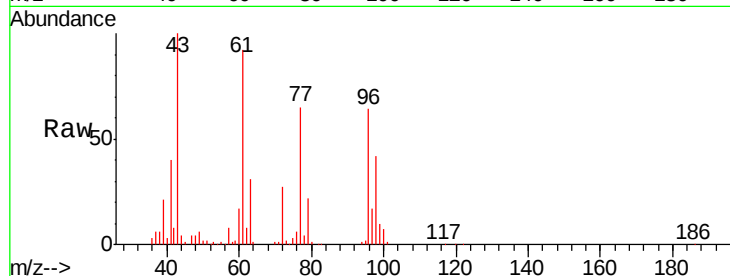
ClientSampleId :

VN1227WBSD01

Tgt Ion:	96	Resp:	227397
Ion Ratio	Lower	Upper	
96	100		
61	143.3	0.0	284.2
98	65.1	0.0	129.2

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#28

Bromochloromethane

Concen: 22.554 ug/l

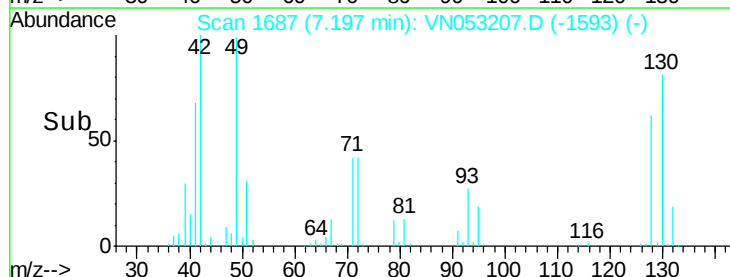
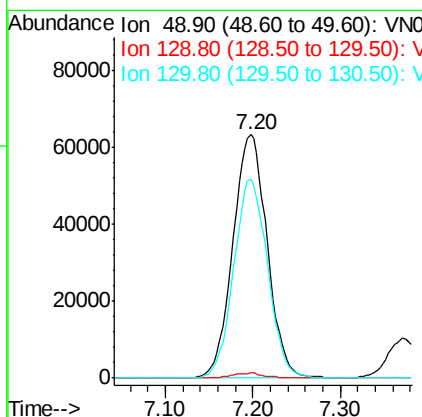
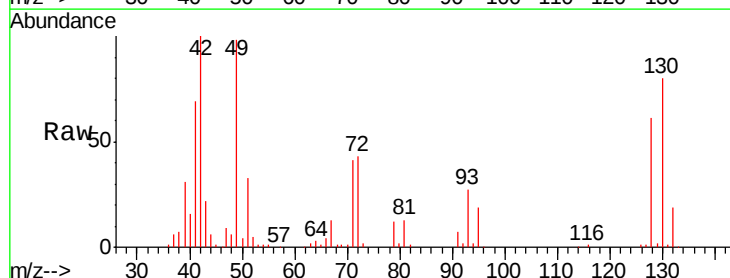
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Tgt Ion:	49	Resp:	171945
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.0
130	80.9	63.3	94.9





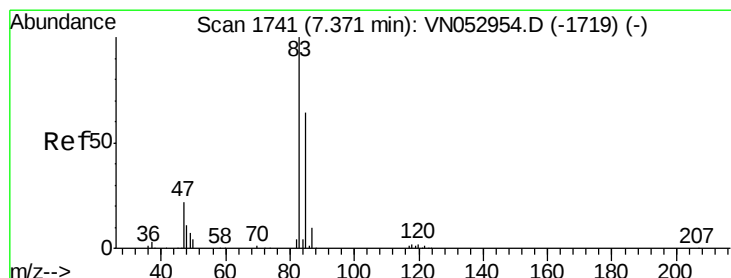
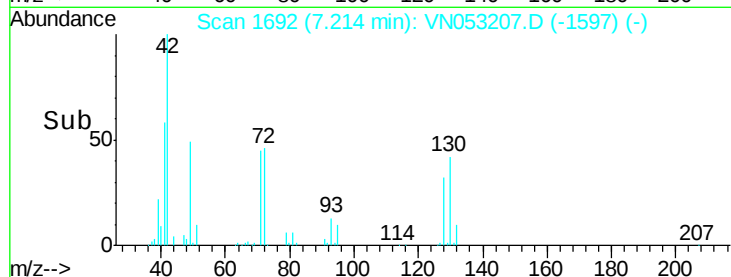
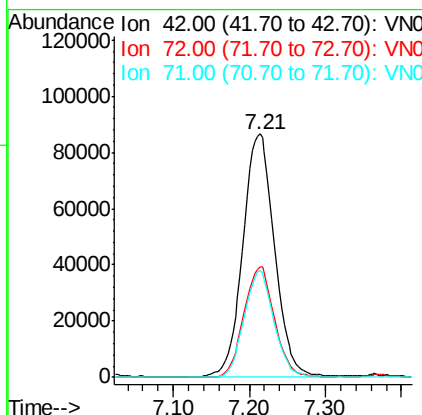
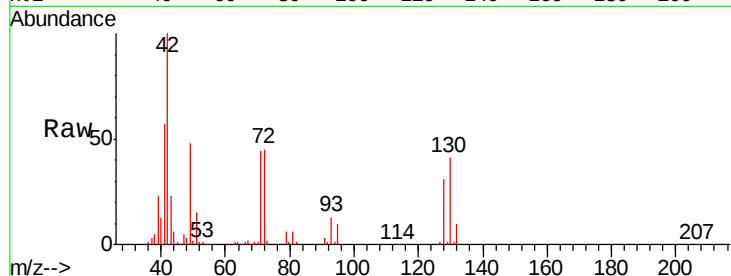
#29
Tetrahydrofuran
Concen: 107.676 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.7	52.1
71	41.2	32.3	48.5

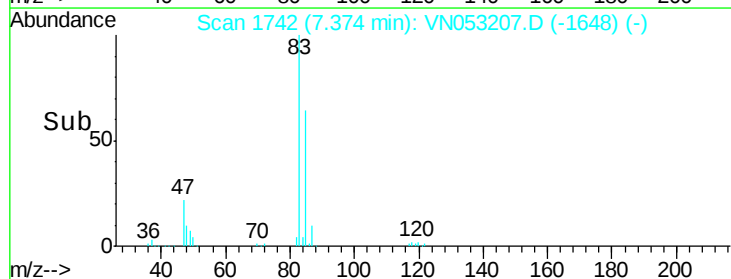
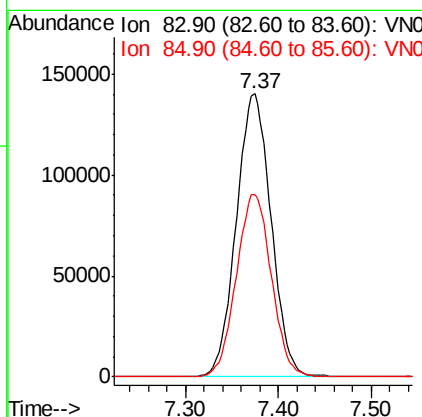
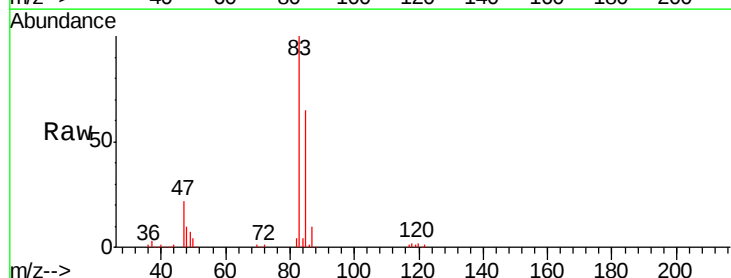
Manual Integrations
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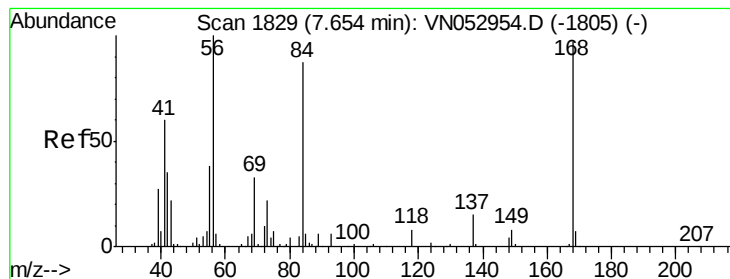
MMDadoda
12/28/2018 10:14:17 AM



#30
Chloroform
Concen: 21.145 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.1	78.1





#31

Cyclohexane

Concen: 20.239 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 56 Resp: 344290
Ion Ratio Lower Upper

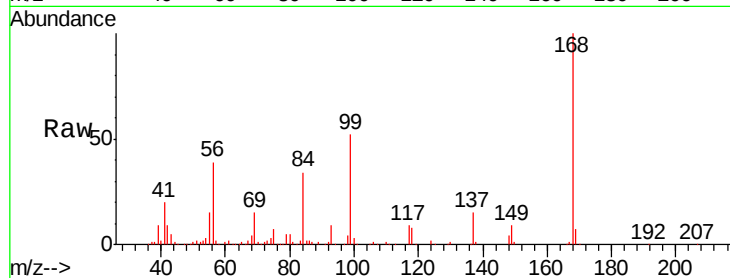
56 100

69 37.4 26.6 39.8

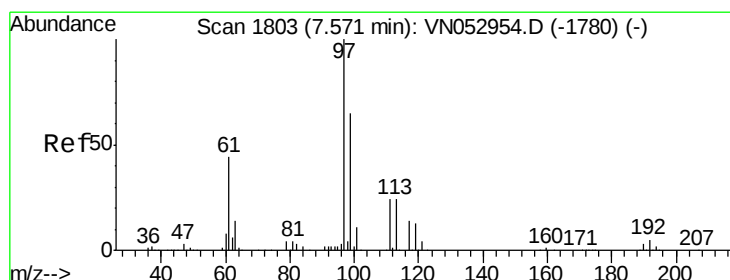
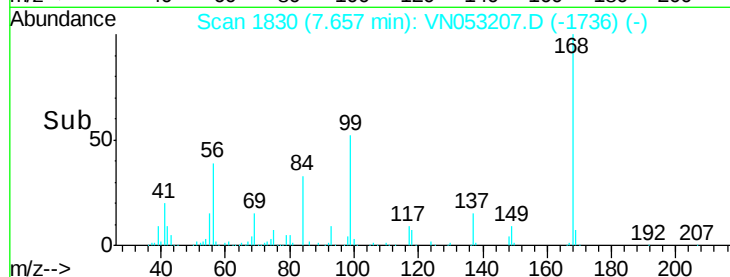
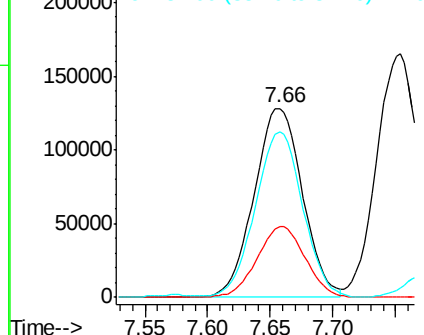
84 86.9 68.4 102.6

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.465 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053207.D

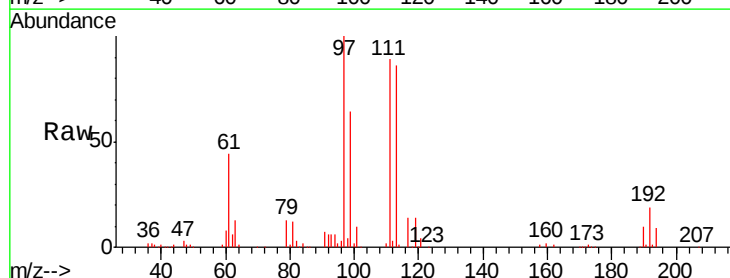
Acq: 27 Dec 2018 12:50

Tgt Ion: 97 Resp: 301301
Ion Ratio Lower Upper

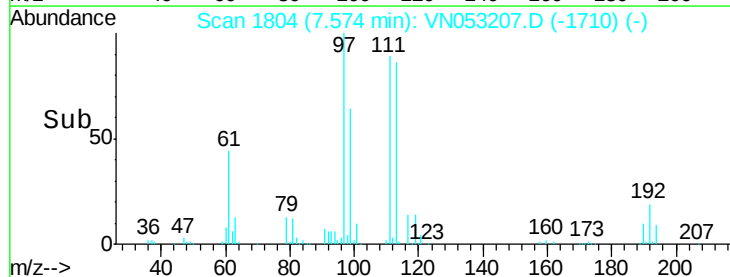
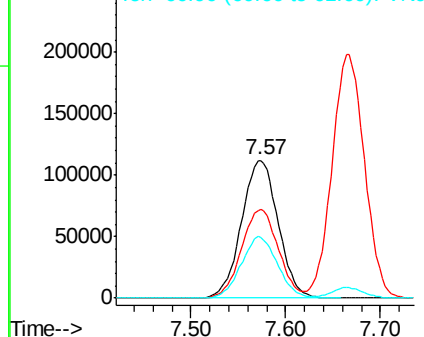
97 100

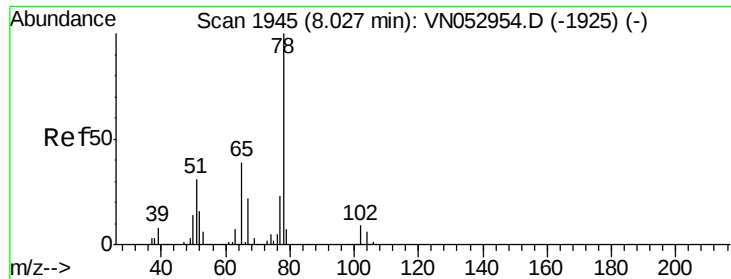
99 64.7 51.1 76.7

61 43.9 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





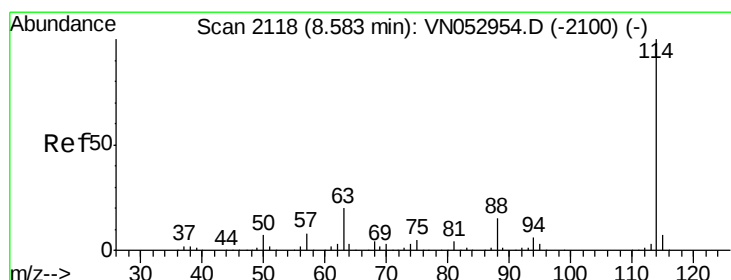
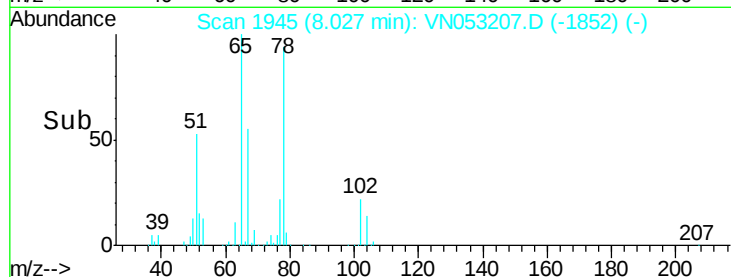
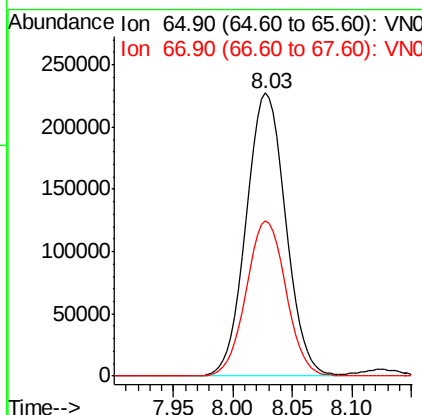
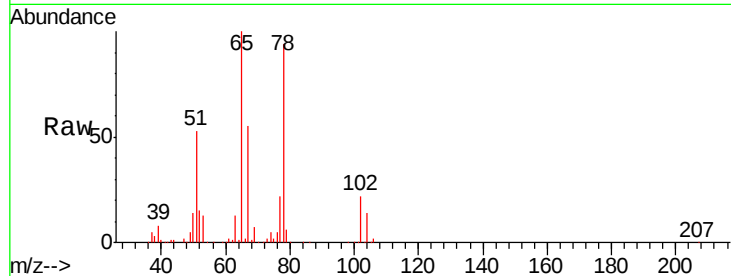
#33
 1,2-Dichloroethane-d4
 Concen: 20.465 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion: 65 Resp: 524915
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4

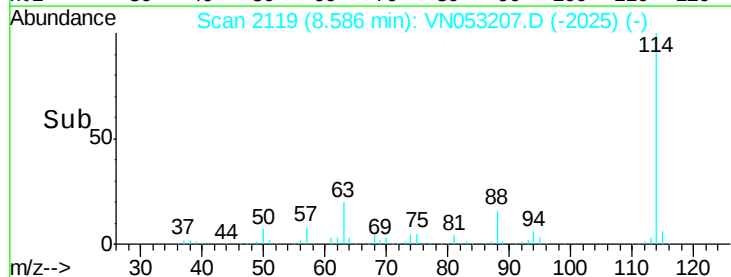
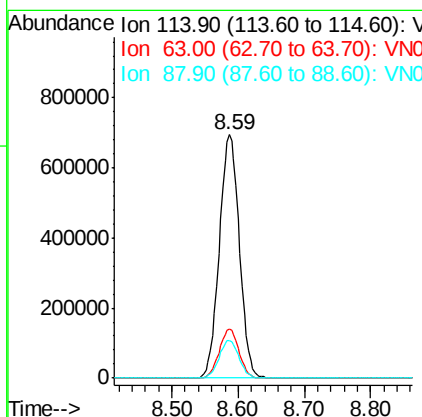
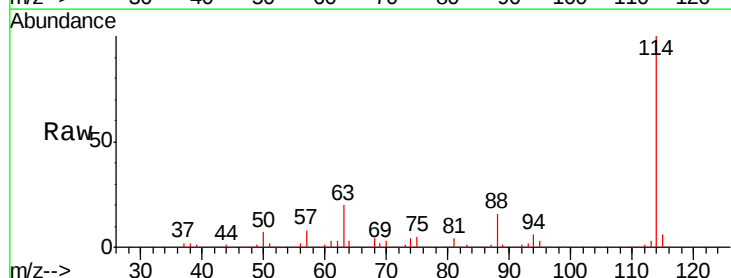
Manual Integrations
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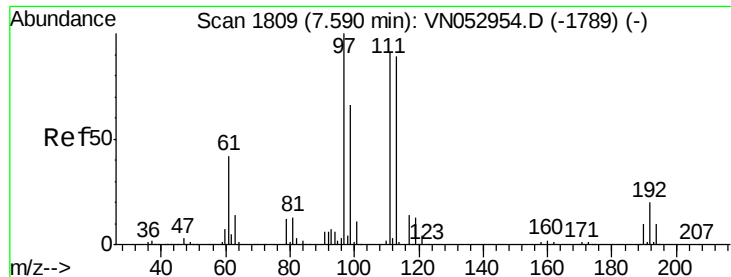
MMDadoda
 12/28/2018 10:14:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 114 Resp: 1453511
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.6 0.0 31.0





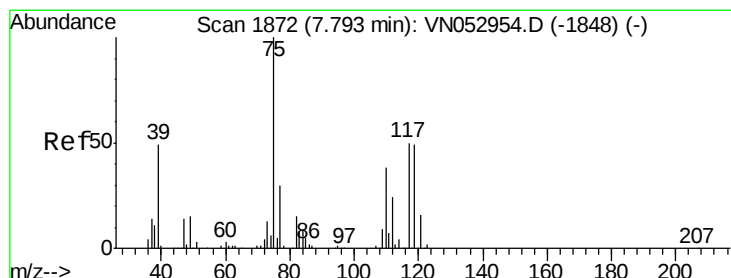
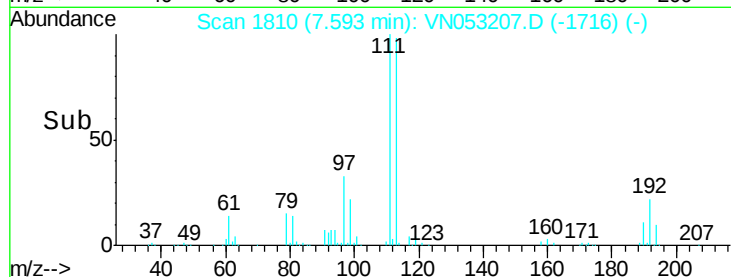
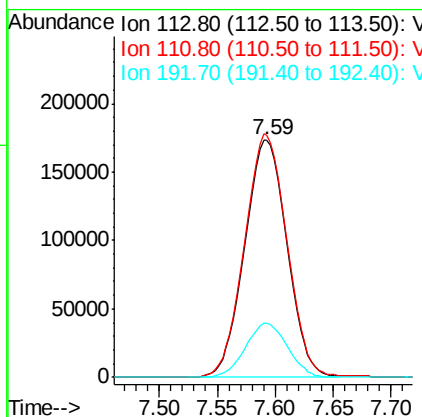
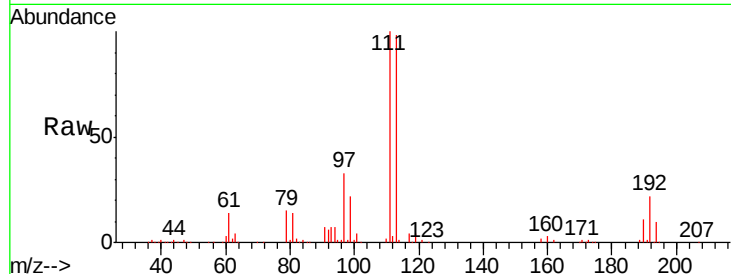
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	441006		
111	102.6	83.0	124.4	
192	22.7	17.5	26.3	

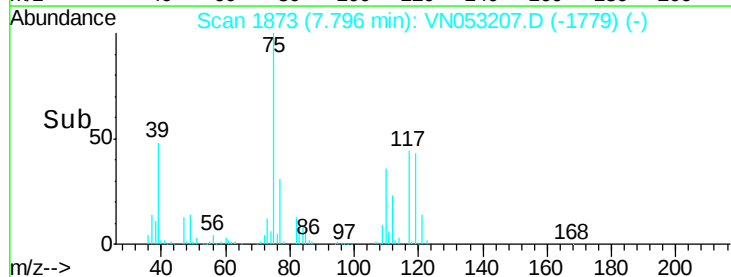
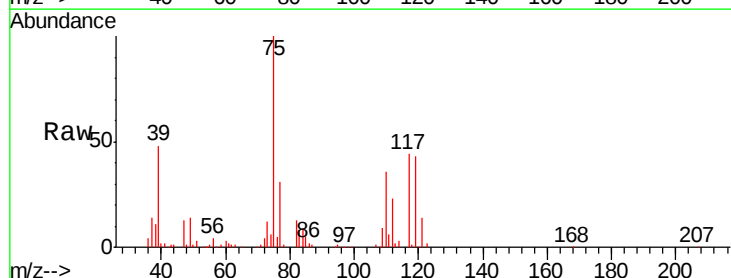
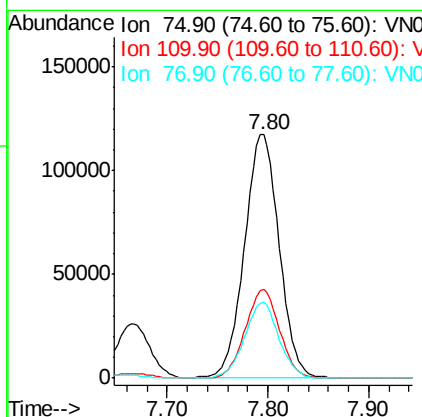
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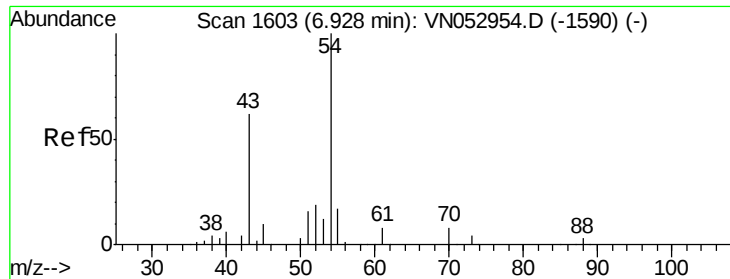
MMDadoda
 12/28/2018 10:14:17 AM



#36
 1,1-Dichloropropene
 Concen: 19.914 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	277818		
110	36.1	18.2	54.6	
77	31.0	24.9	37.3	





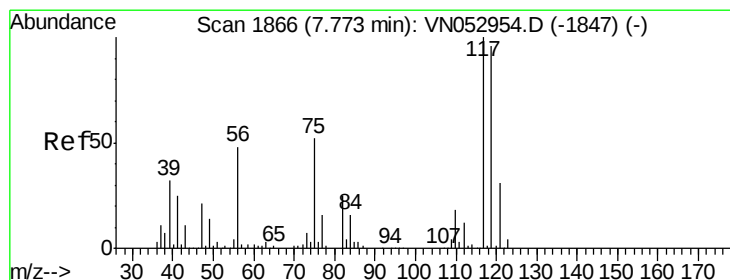
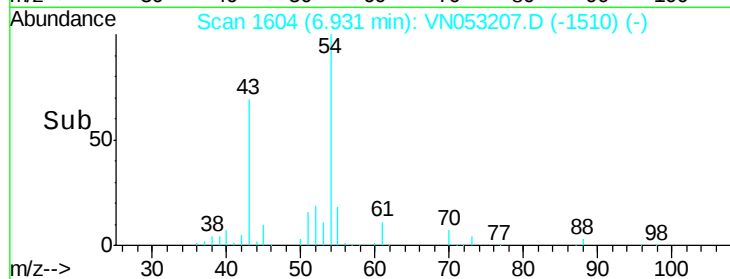
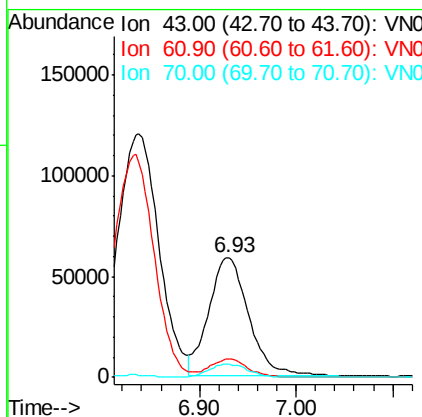
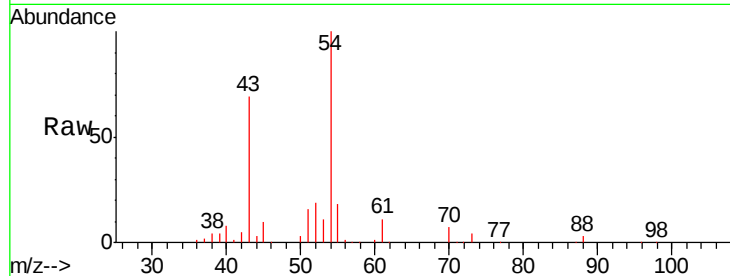
#37
Ethyl Acetate
Concen: 21.709 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.8	17.6
70	10.5	8.4	12.6

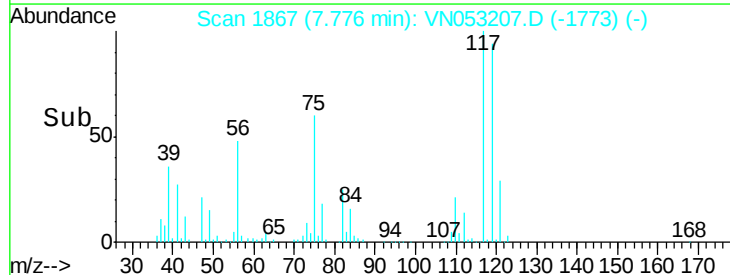
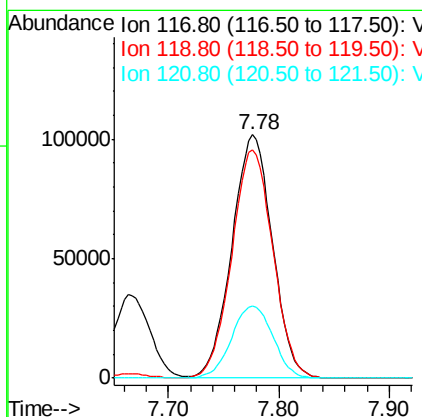
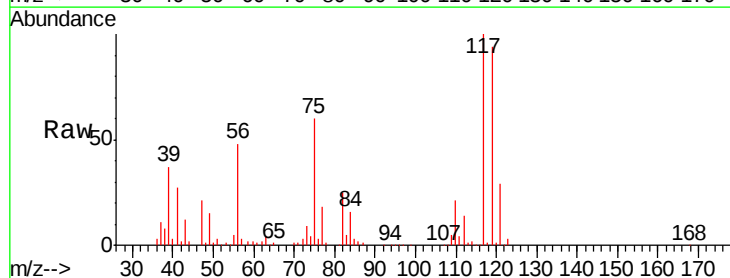
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#38
Carbon Tetrachloride
Concen: 20.215 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.1	115.7
121	29.5	24.9	37.3





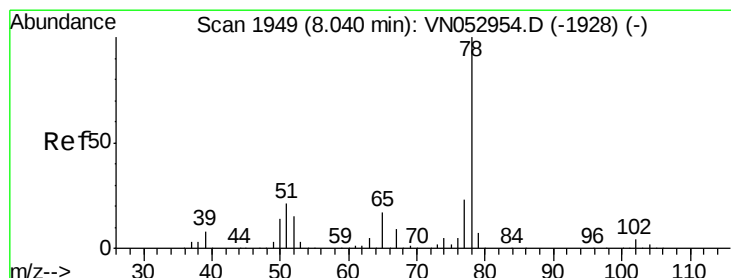
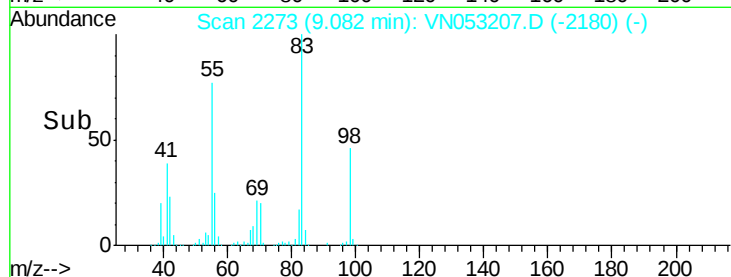
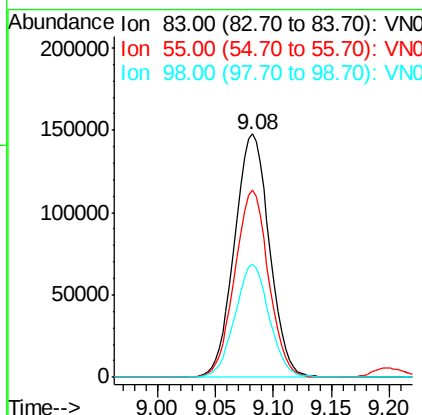
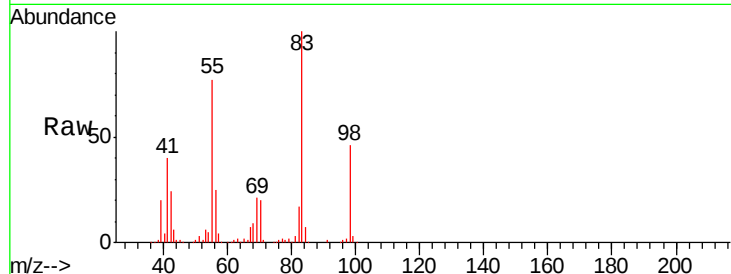
#39
Methylcyclohexane
Concen: 18.300 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.3	91.9
98	46.4	37.0	55.4

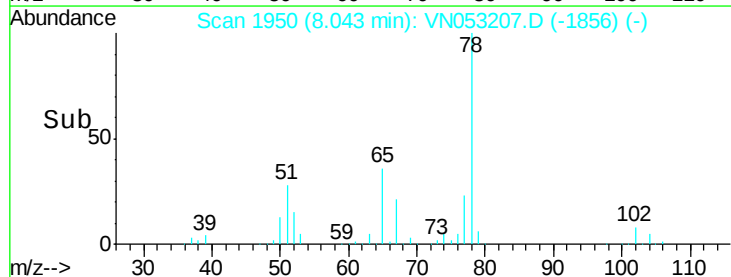
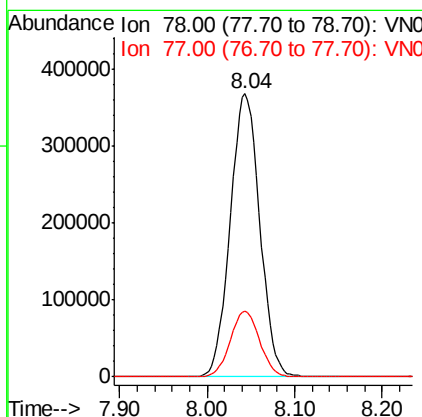
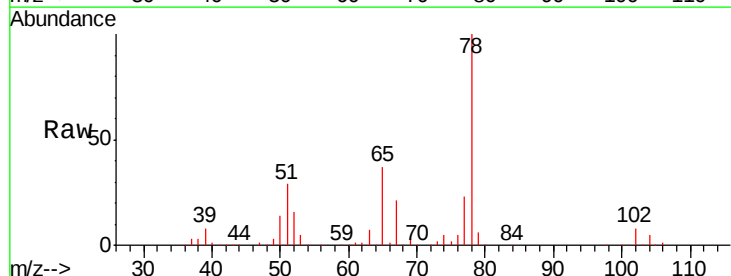
Manual Integrations
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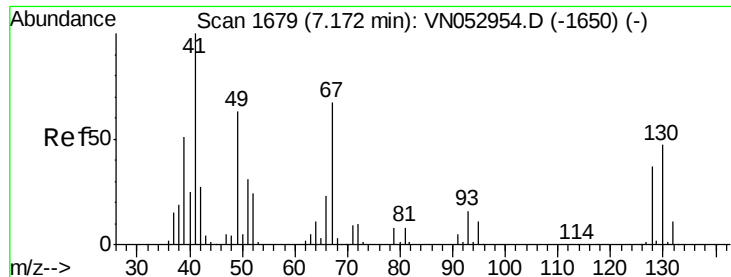
MMDadoda
12/28/2018 10:14:17 AM



#40
Benzene
Concen: 20.789 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7





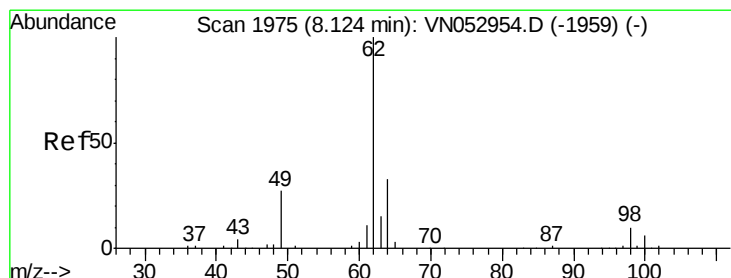
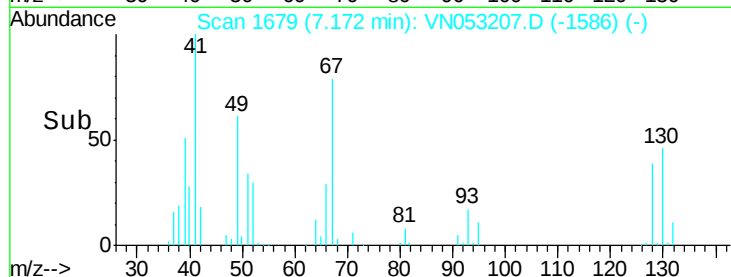
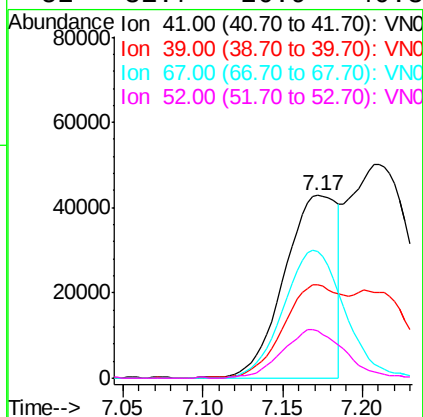
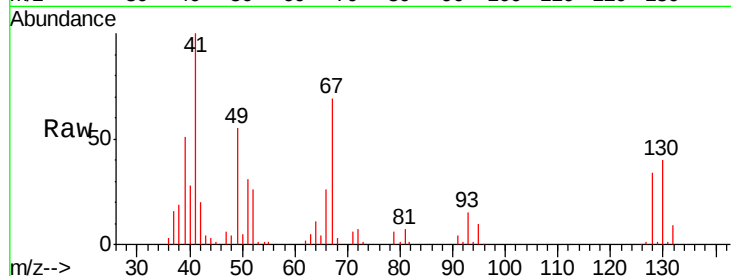
#41
Methacrylonitrile
Concen: 21.978 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.4	48.0	72.0
67	81.4	70.3	105.5
52	31.7	26.9	40.3

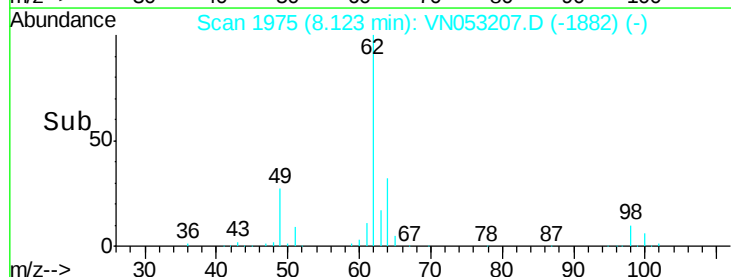
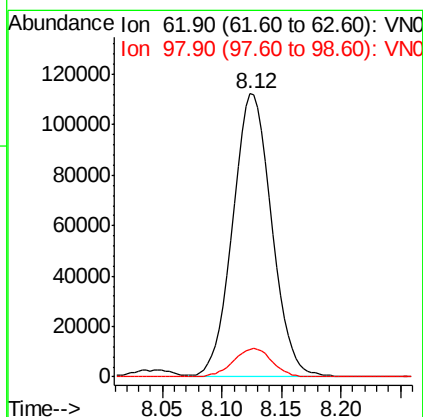
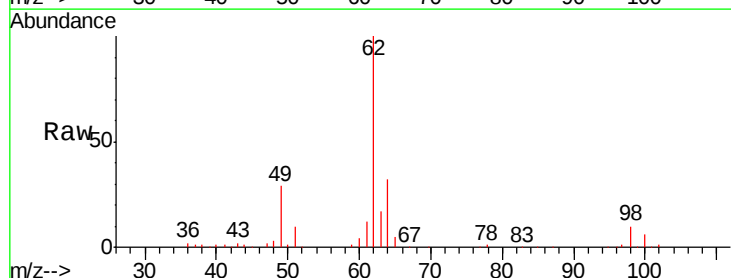
Manual Integrations
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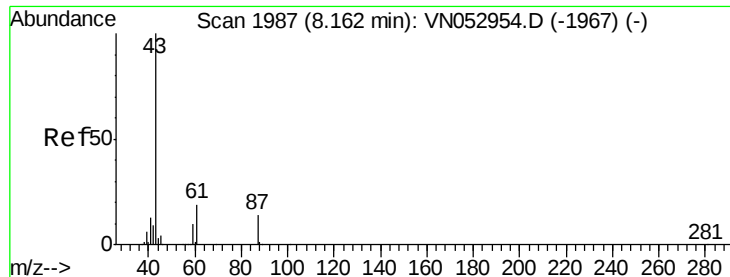
MMDadoda
12/28/2018 10:14:17 AM



#42
1,2-Dichloroethane
Concen: 20.650 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.957 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

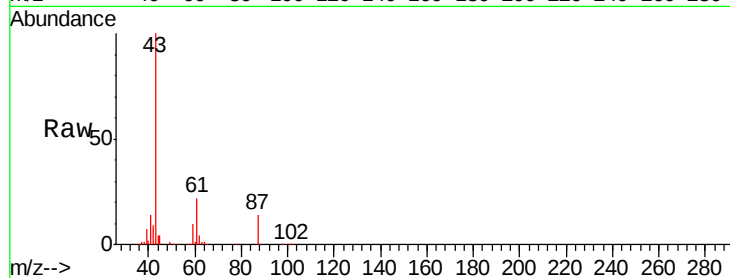
ClientSampleId :

VN1227WBSD01

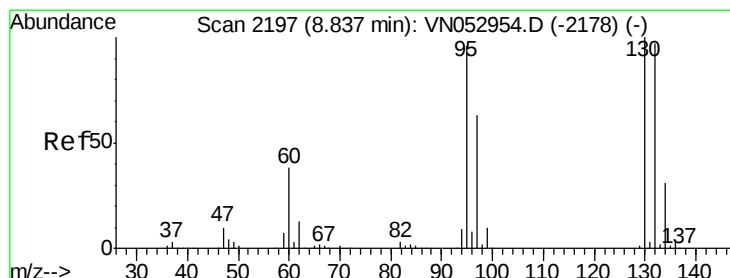
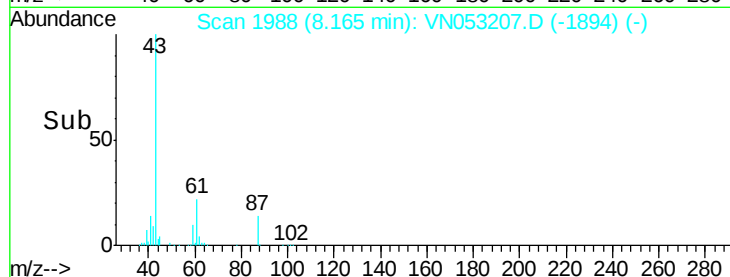
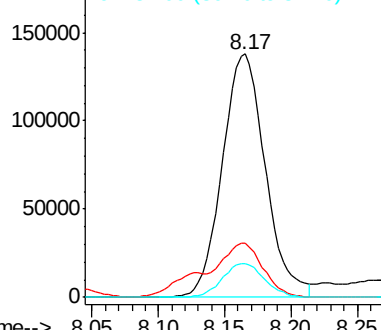
Tgt Ion:	43	Resp:	310246
Ion Ratio		Lower	Upper
43	100		
61	21.5	22.9	34.3#
87	13.6	10.6	15.8

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Abundance Ion 43.00 (42.70 to 43.70): VN053207.D (-1894) (-)



#44

Trichloroethene

Concen: 19.434 ug/l

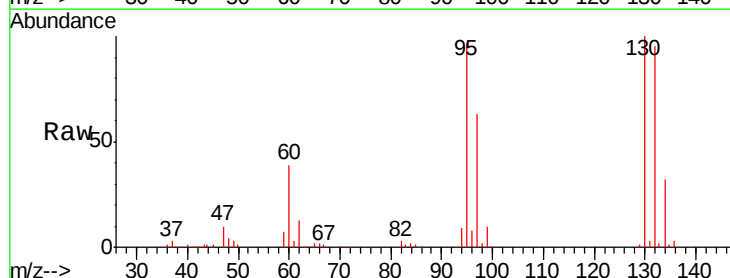
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

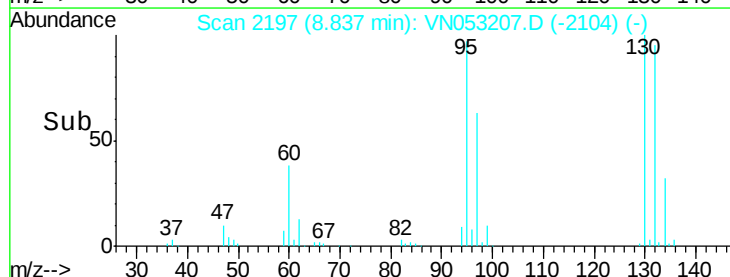
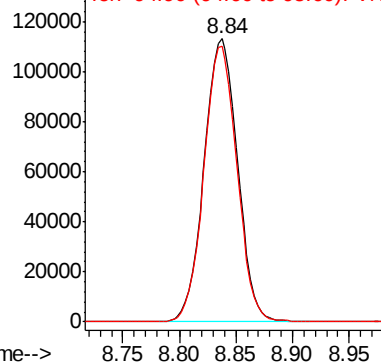
Lab File: VN053207.D

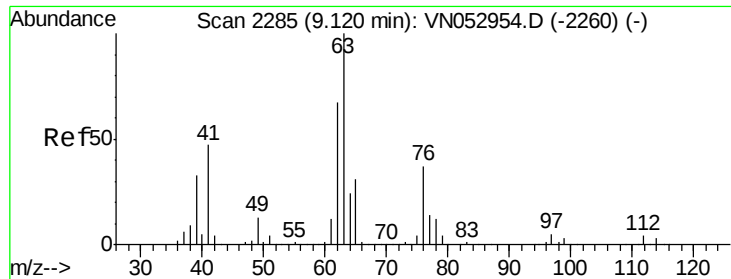
Acq: 27 Dec 2018 12:50

Tgt Ion:	130	Resp:	233266
Ion Ratio		Lower	Upper
130	100		
95	97.4	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053207.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 21.299 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 63 Resp: 230215

Ion Ratio Lower Upper

63 100

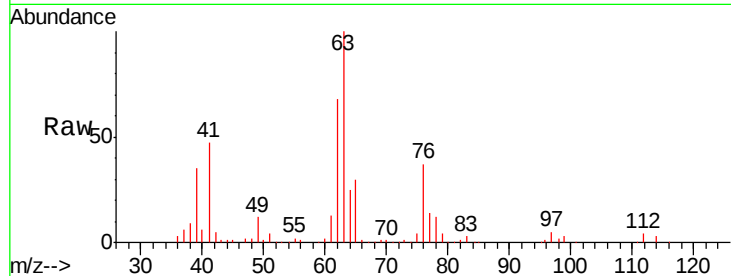
65 29.7 24.6 37.0

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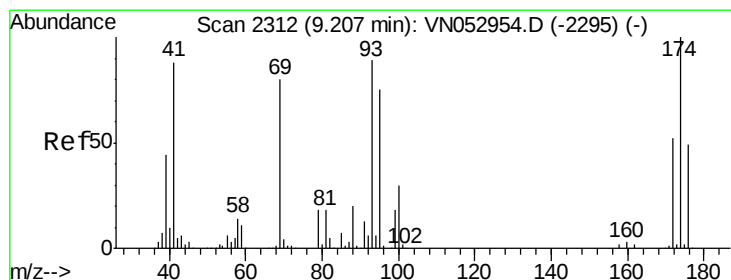
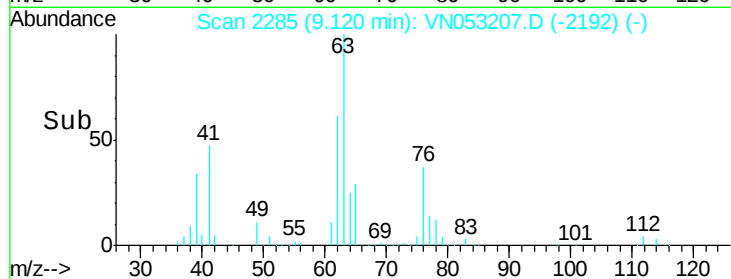
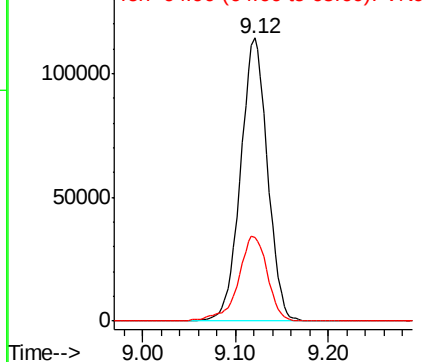
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.557 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

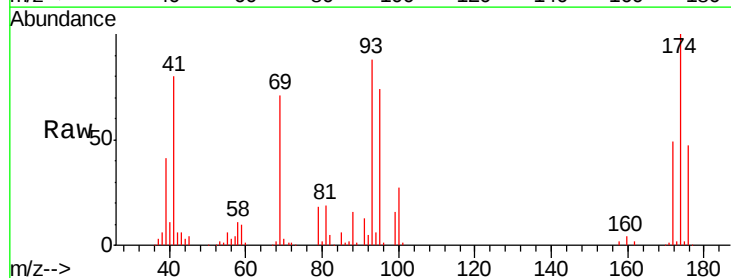
Tgt Ion: 93 Resp: 129440

Ion Ratio Lower Upper

93 100

95 83.7 67.8 101.6

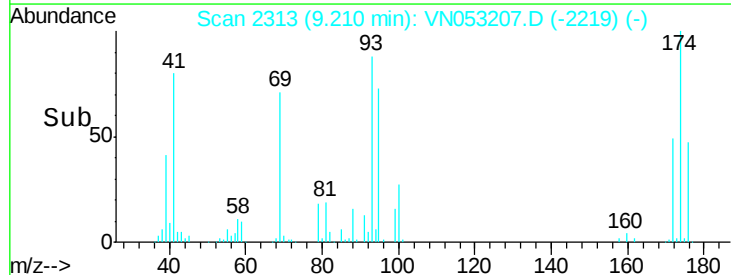
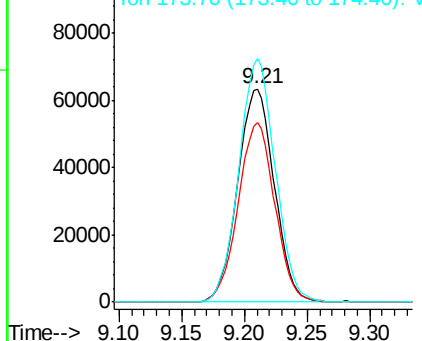
174 113.0 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.974 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

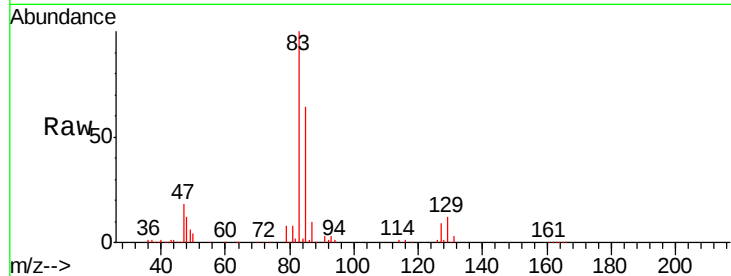
ClientSampleId :

VN1227WBSD01

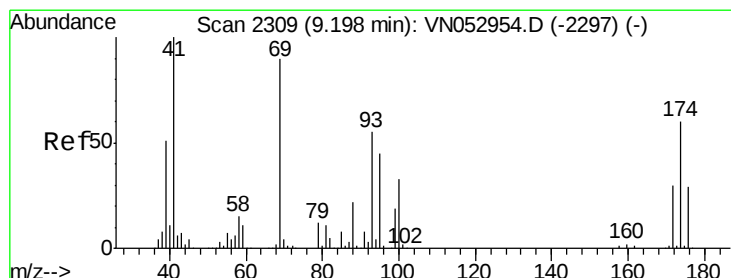
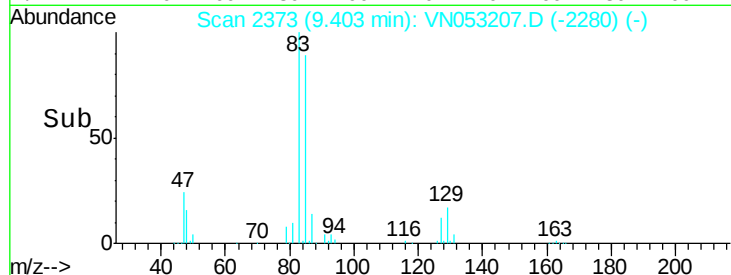
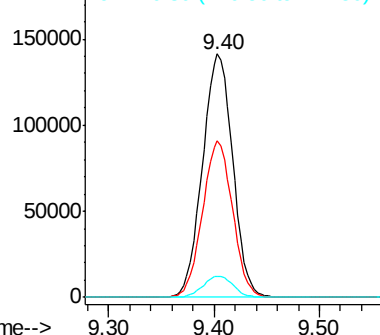
Tgt Ion:	83	Resp:	280724
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4
127	8.8	7.1	10.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053207.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.175 ug/l

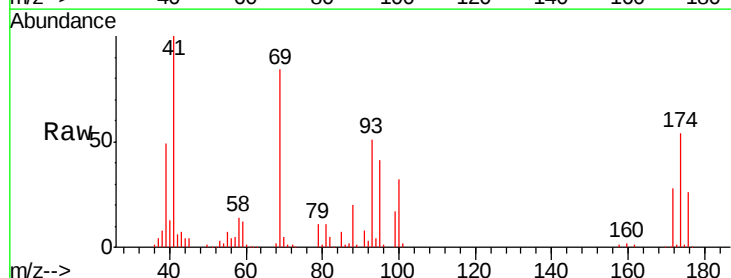
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

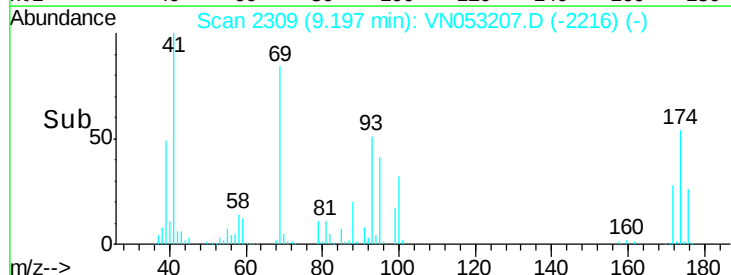
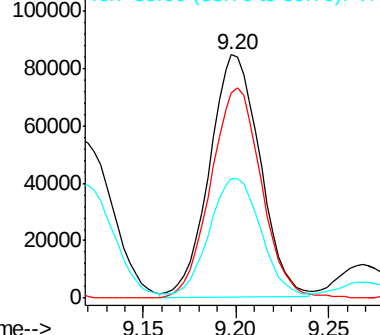
Lab File: VN053207.D

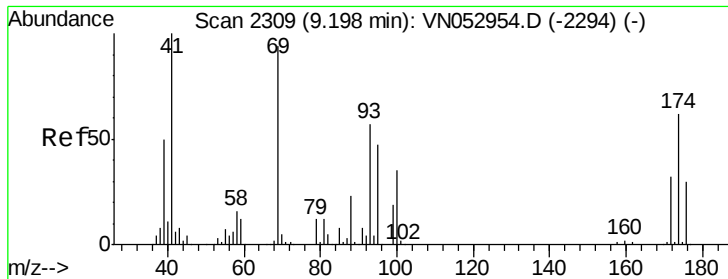
Acq: 27 Dec 2018 12:50

Tgt Ion:	41	Resp:	160029
Ion	Ratio	Lower	Upper
41	100		
69	87.1	72.2	108.2
39	50.6	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN053207.D (-2216) (-)





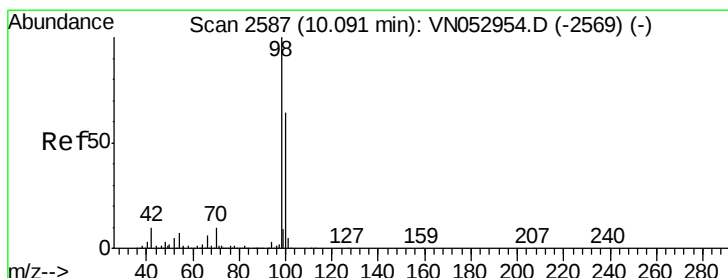
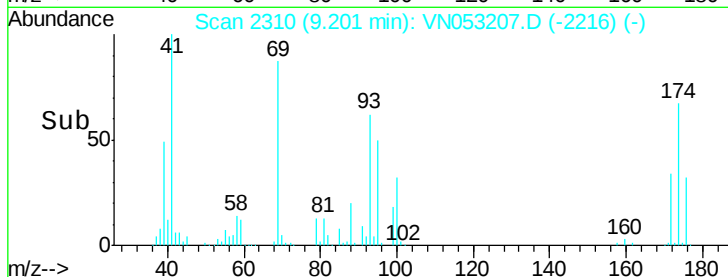
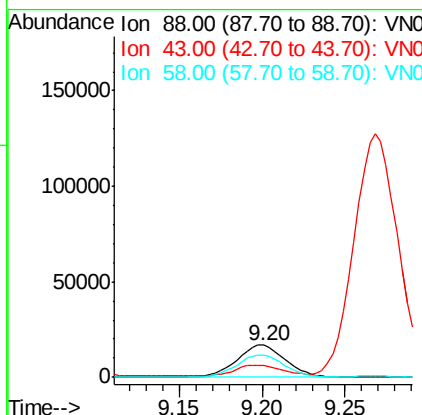
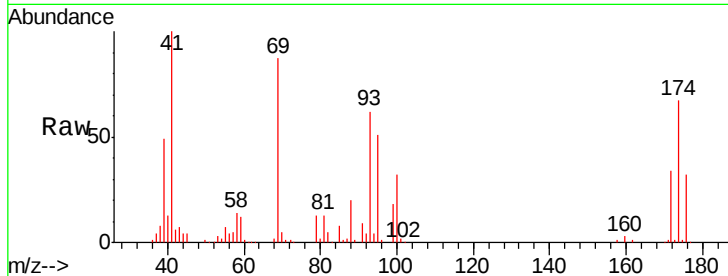
#49
1,4-Dioxane
Concen: 356.678 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.6	40.0
58	70.2	58.4	87.6

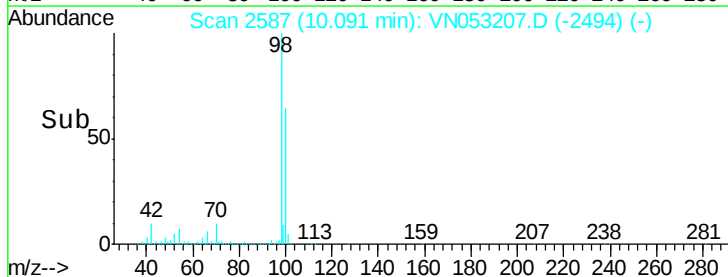
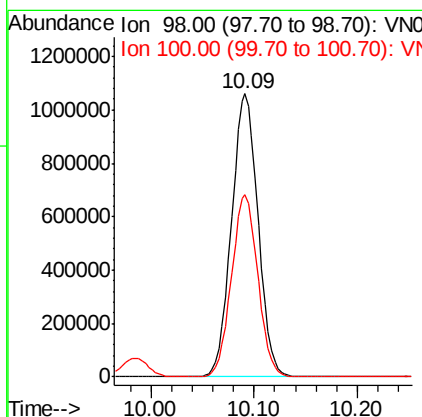
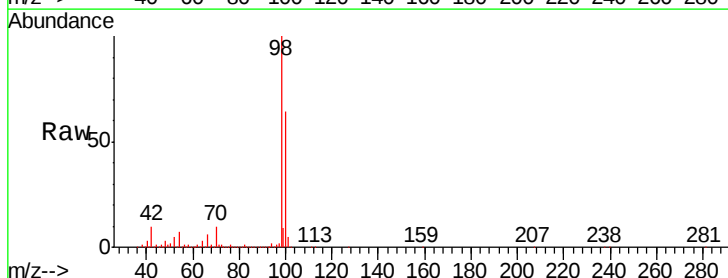
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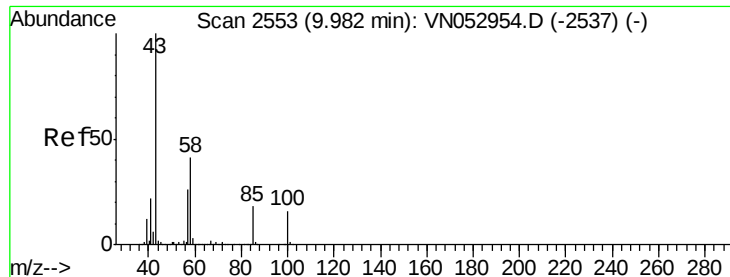
MMDadoda
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#50
Toluene-d8
Concen: 356.678 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





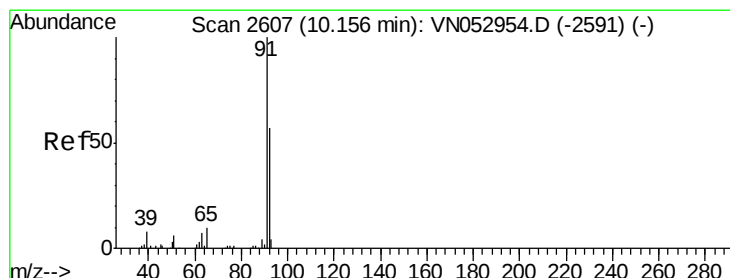
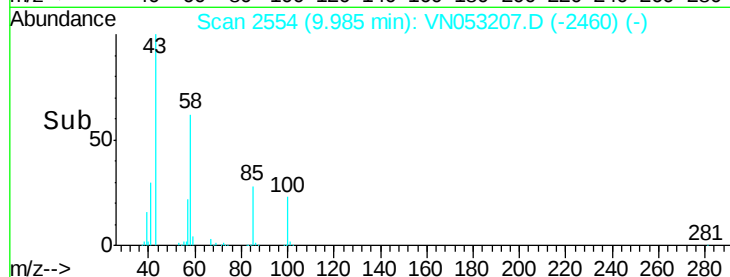
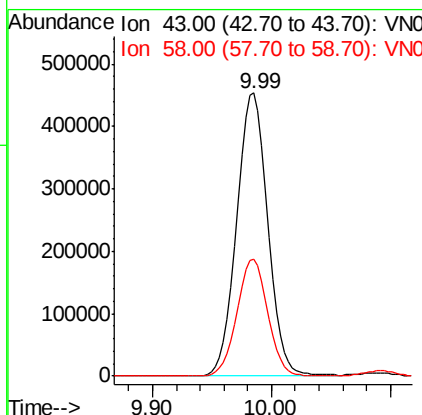
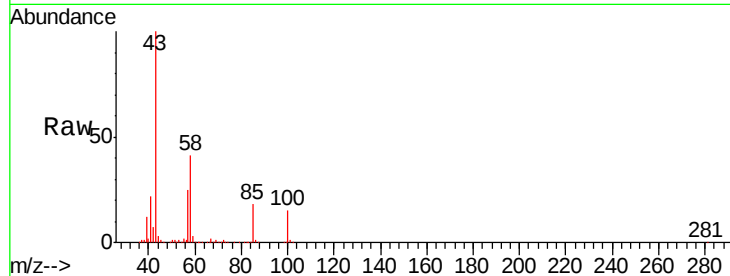
#51
 4-Methyl-2-Pentanone
 Concen: 108.598 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion: 43 Resp: 819077
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.2 48.4

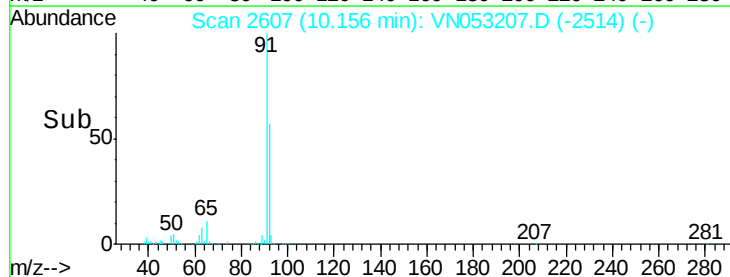
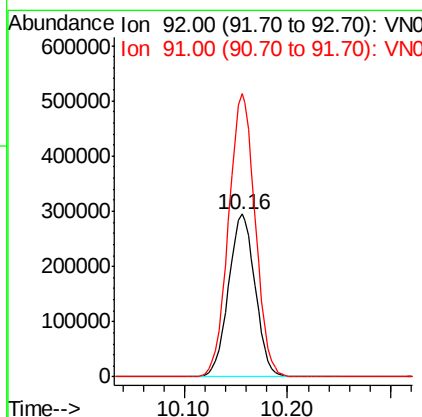
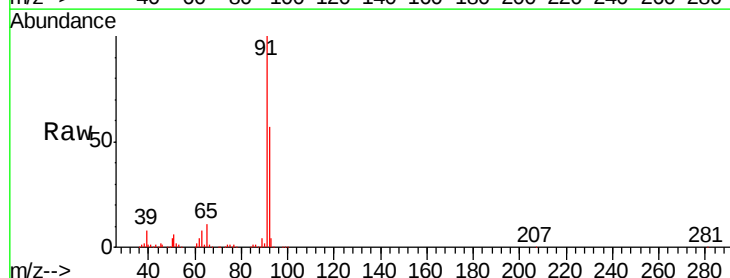
Manual Integrations
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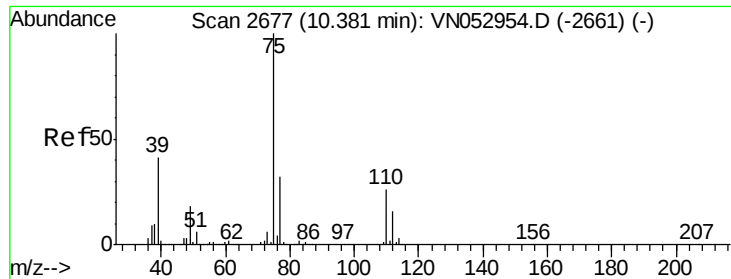
MMDadoda
 12/28/2018 10:14:17 AM



#52
 Toluene
 Concen: 20.606 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 92 Resp: 530004
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.8 209.6





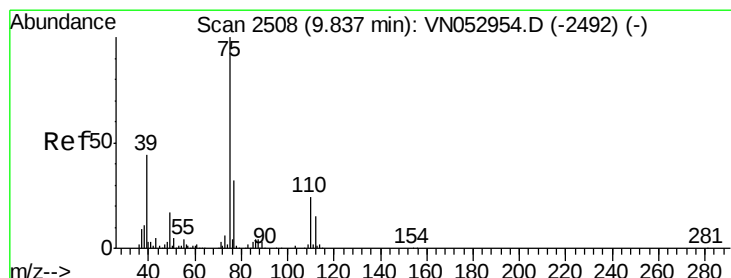
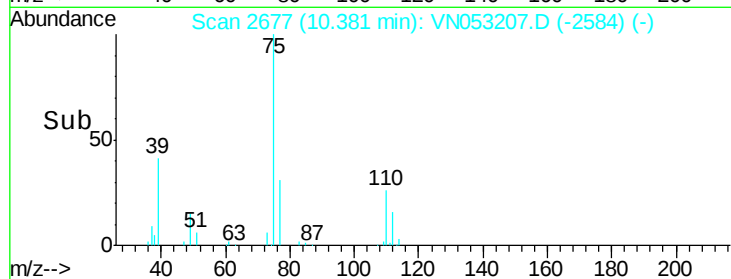
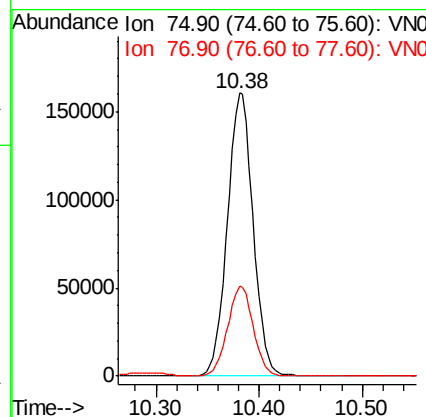
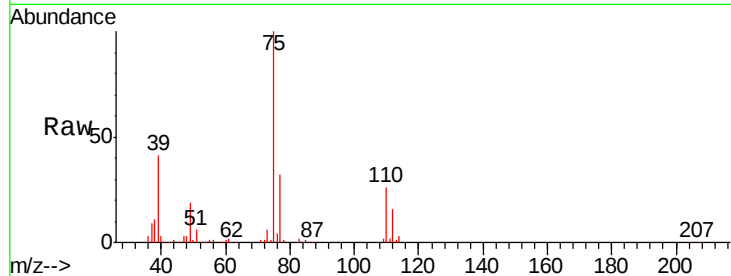
#53
t-1,3-Dichloropropene
Concen: 19.829 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 75 Resp: 279078
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4

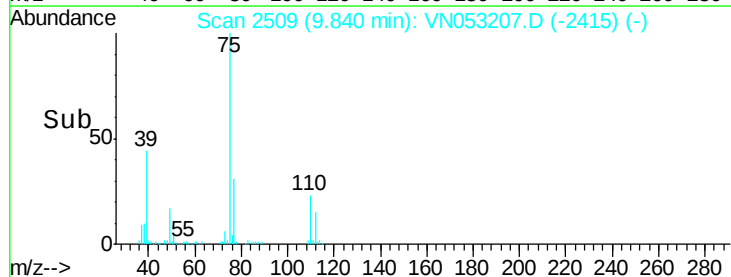
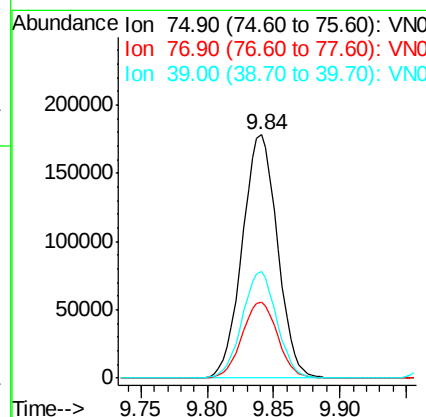
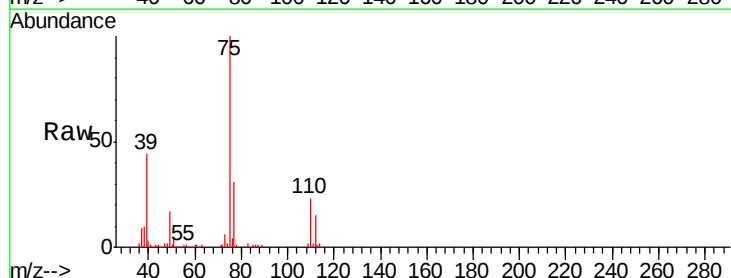
Manual Integrations
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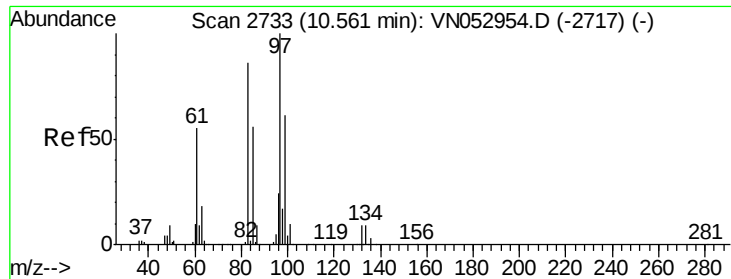
MMDadoda
12/28/2018 10:14:17 AM



#54
cis-1,3-Dichloropropene
Concen: 20.363 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 75 Resp: 328969
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.8
39 43.6 34.8 52.2





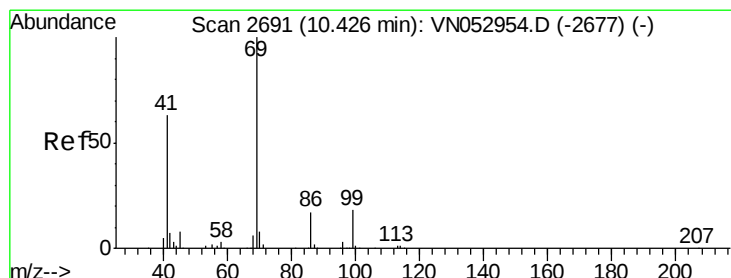
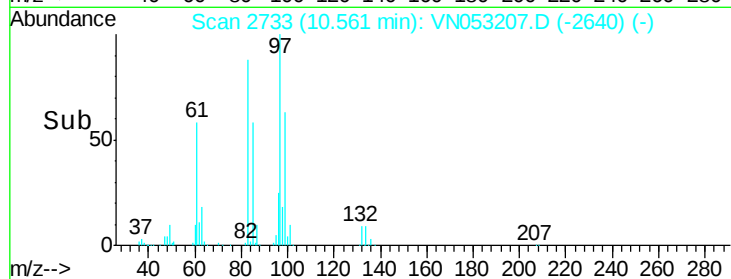
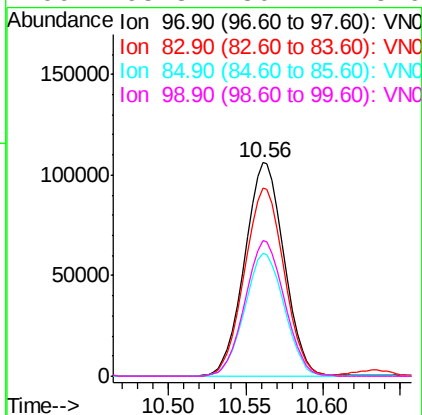
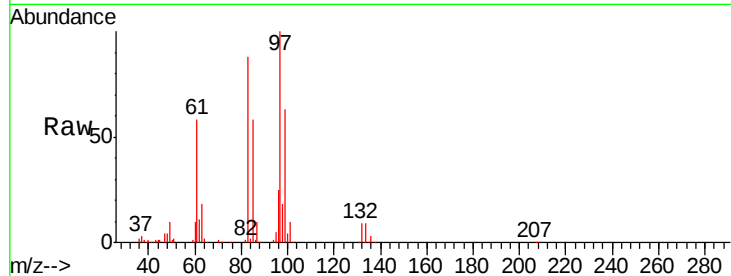
#55
 1,1,2-Trichloroethane
 Concen: 21.055 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.9	106.3
85	57.6	45.4	68.2
99	63.3	50.4	75.6

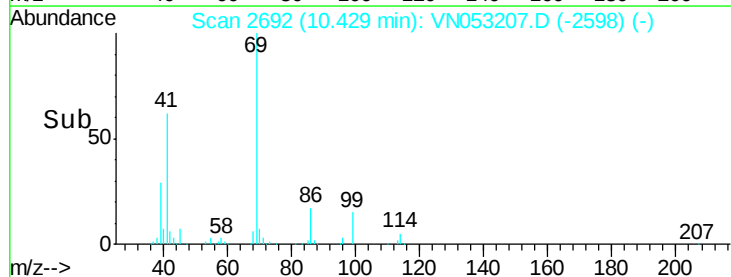
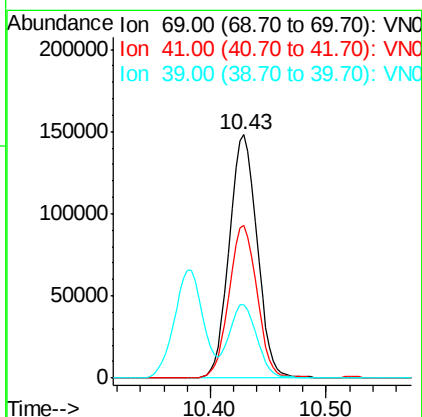
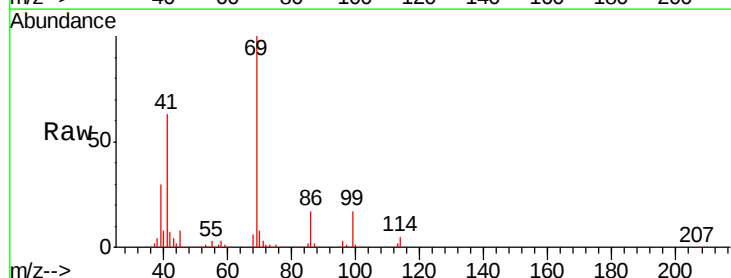
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#56
 Ethyl methacrylate
 Concen: 20.699 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.7	77.5
39	30.1	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.999 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 76 Resp: 323132

Ion Ratio Lower Upper

76 100

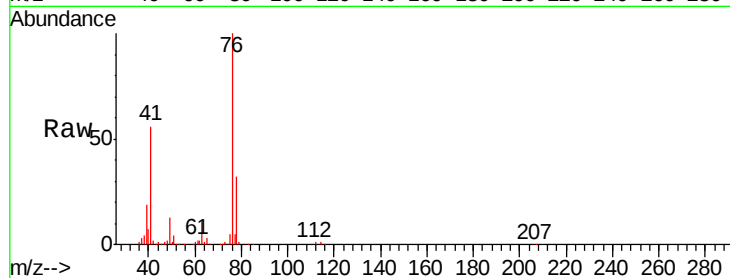
78 32.3 25.8 38.8

Manual Integrations

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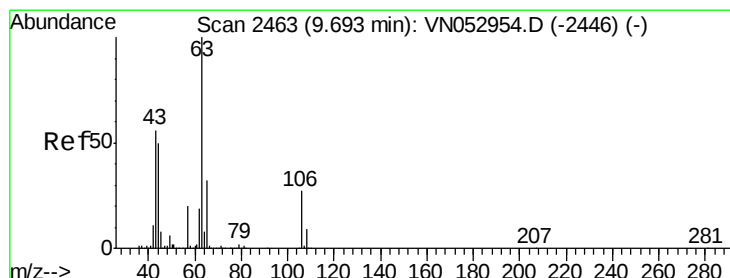
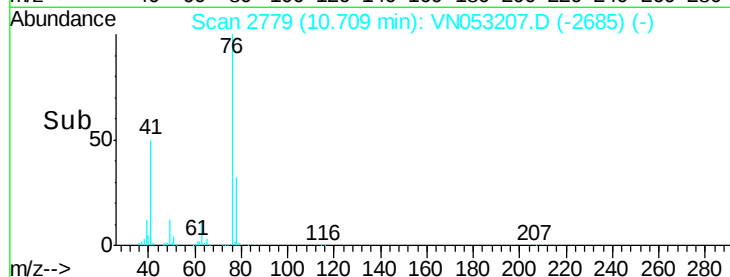
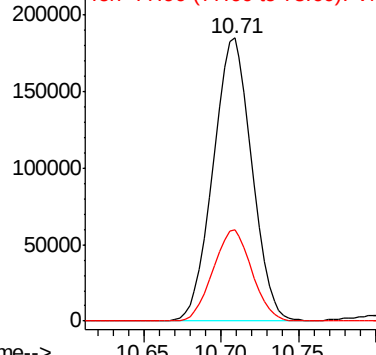
MMDadoda

12/28/2018 10:14:17 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 107.257 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053207.D

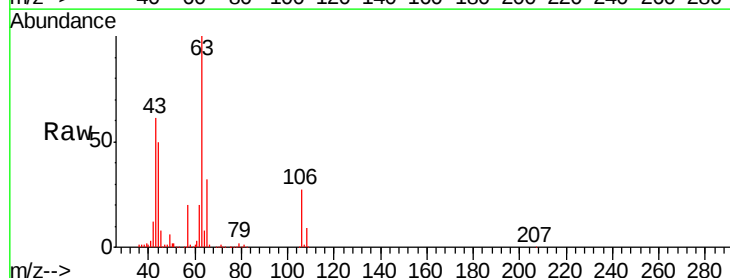
Acq: 27 Dec 2018 12:50

Tgt Ion: 63 Resp: 699366

Ion Ratio Lower Upper

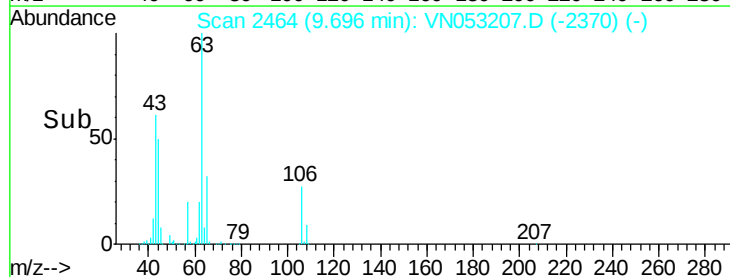
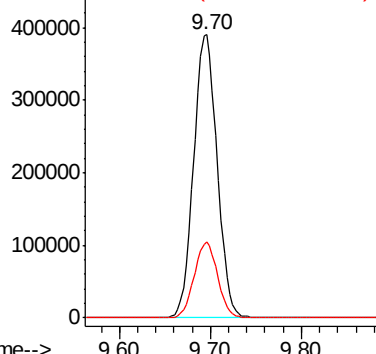
63 100

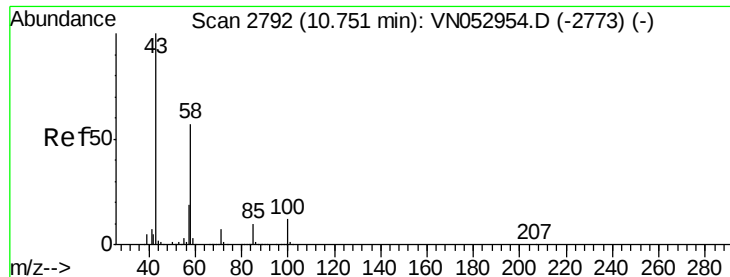
106 26.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





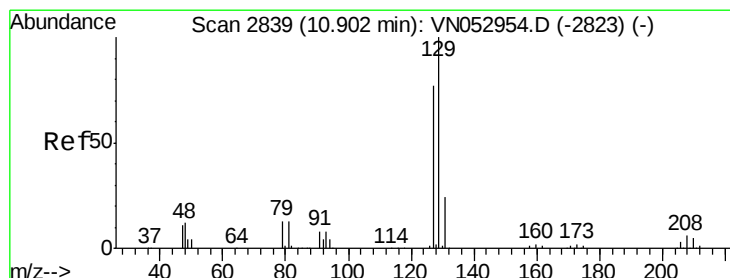
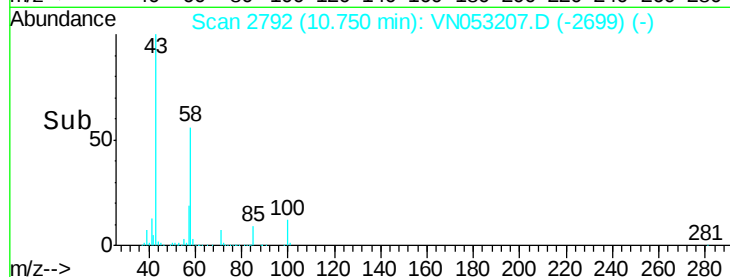
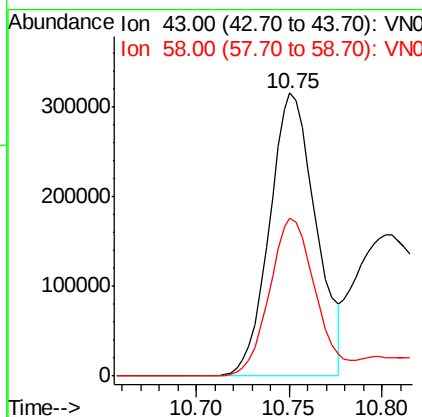
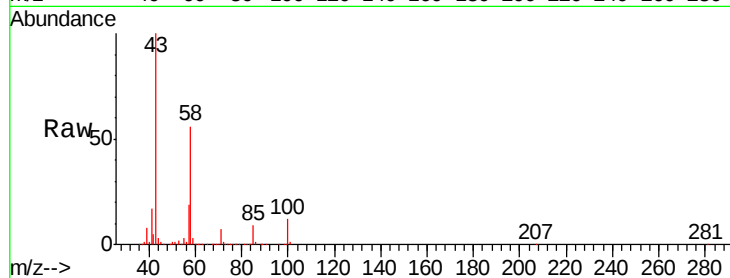
#59
2-Hexanone
Concen: 107.556 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampled :
VN1227WBSD01

Tgt Ion: 43 Resp: 548856
Ion Ratio Lower Upper
43 100
58 55.5 28.1 84.3

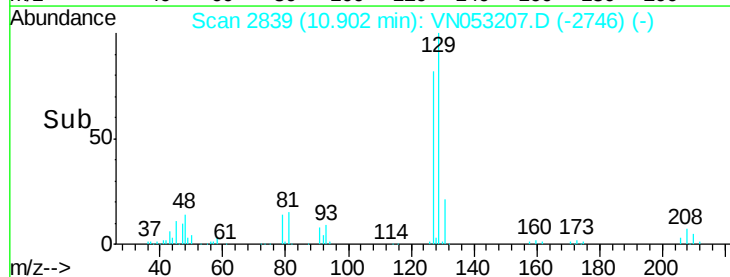
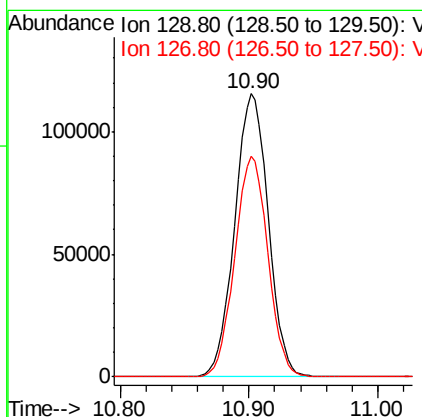
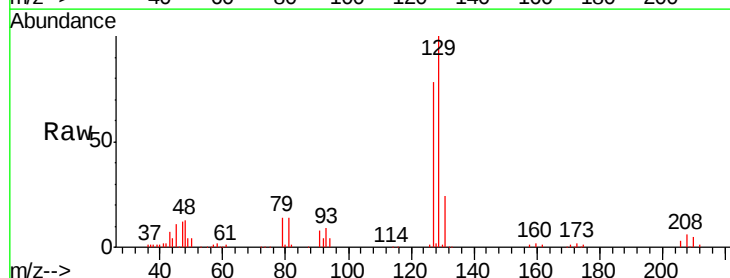
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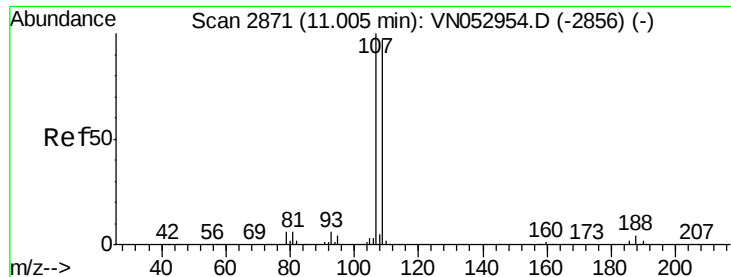
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#60
Dibromochloromethane
Concen: 20.325 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 129 Resp: 208765
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





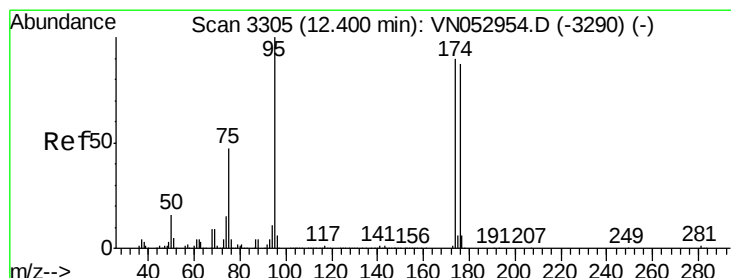
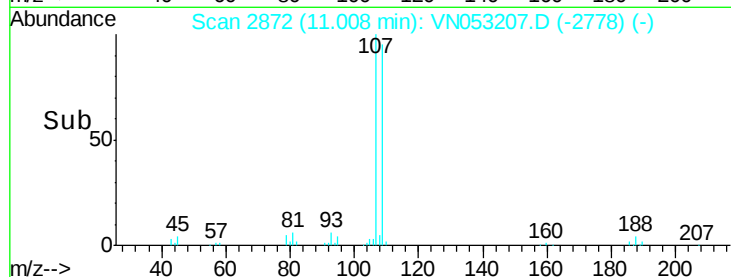
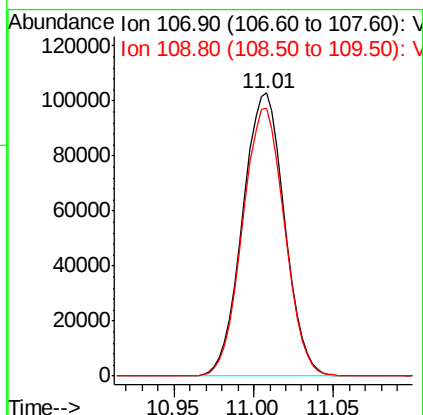
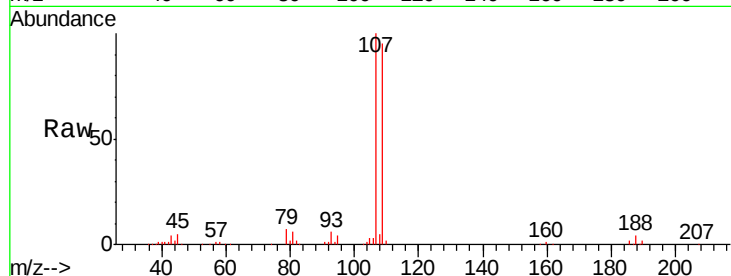
#61
1,2-Dibromoethane
Concen: 20.256 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 107 Resp: 184605
Ion Ratio Lower Upper
107 100
109 94.5 75.4 113.0

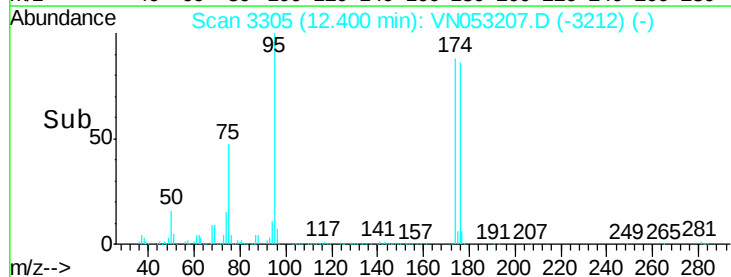
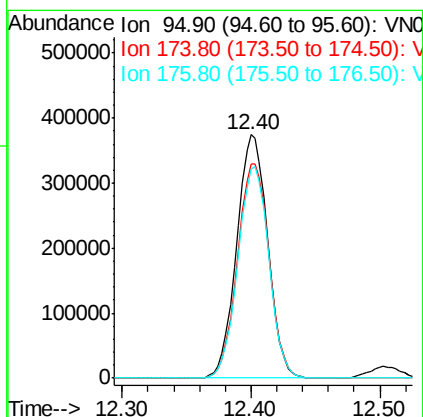
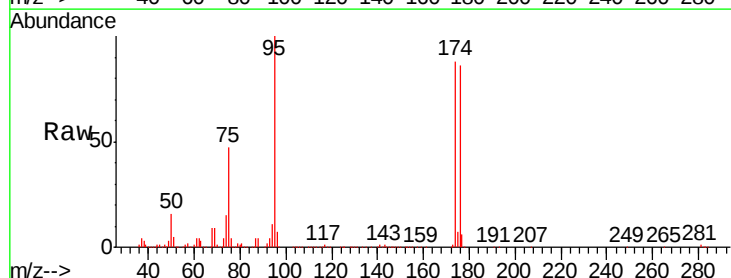
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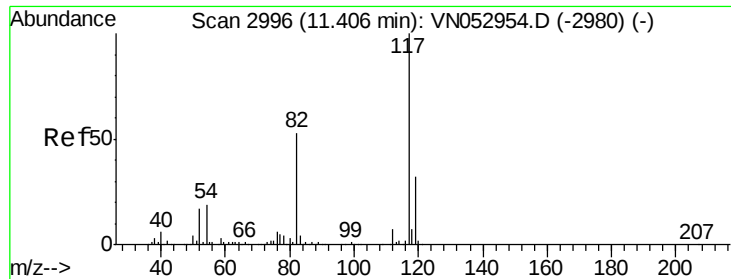
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#62
4-Bromofluorobenzene
Concen: 20.256 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 95 Resp: 624082
Ion Ratio Lower Upper
95 100
174 89.9 0.0 178.8
176 87.3 0.0 173.8





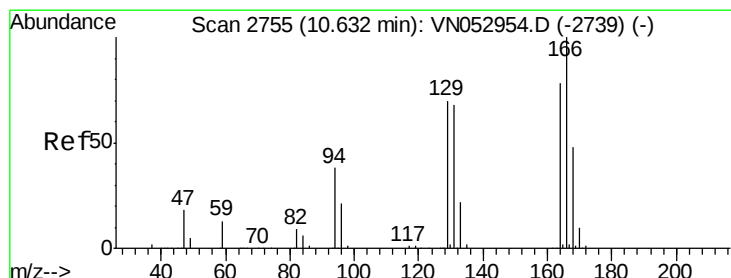
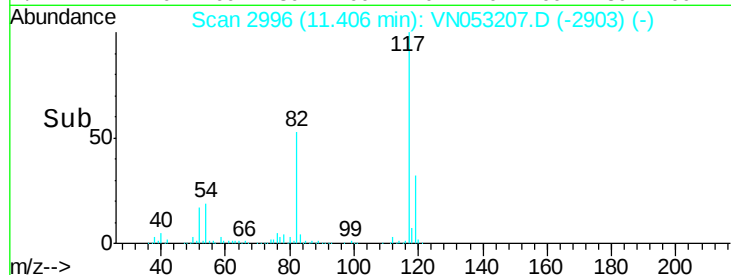
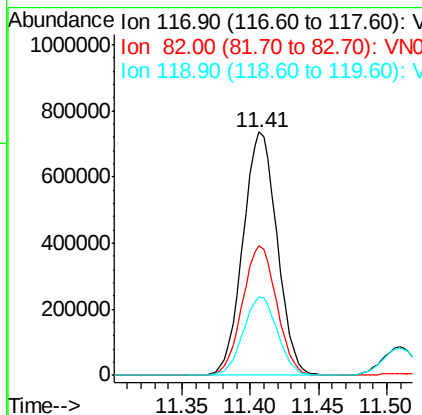
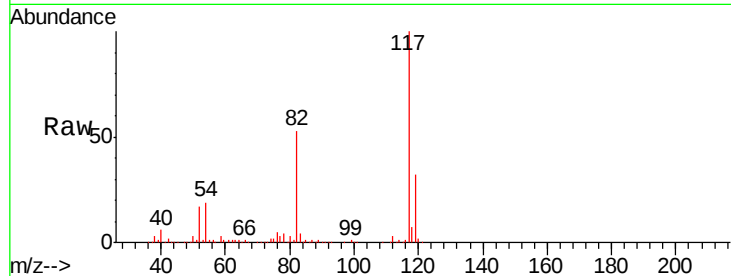
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:117 Resp: 1276138
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.2 25.5 38.3

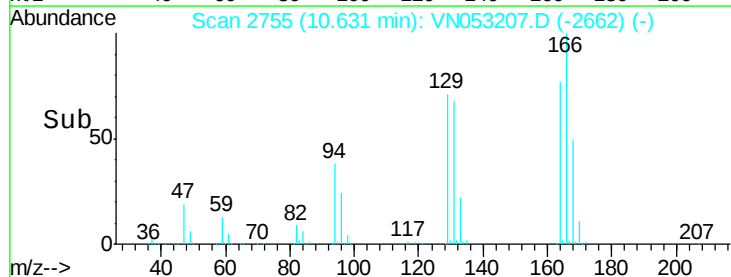
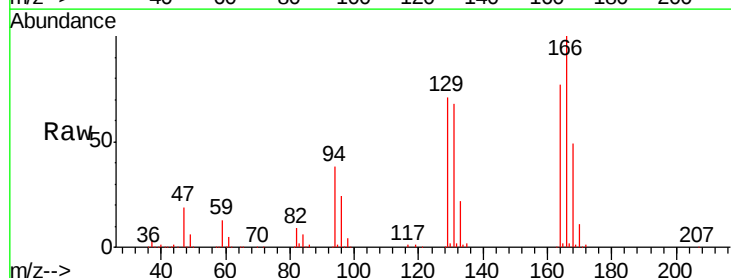
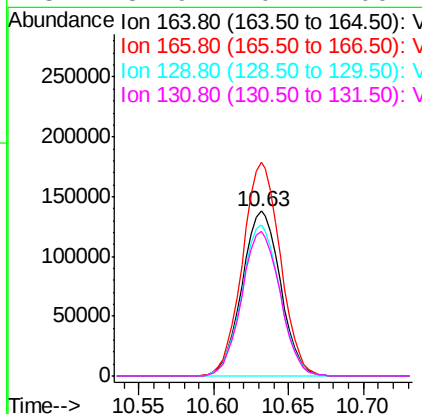
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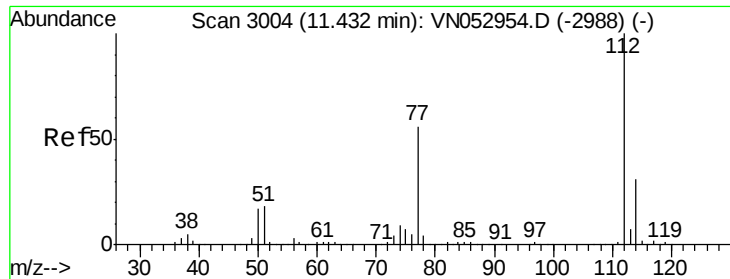
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#64
Tetrachloroethene
Concen: 17.795 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion:164 Resp: 245984
Ion Ratio Lower Upper
164 100
166 129.8 102.9 154.3
129 91.8 73.7 110.5
131 87.9 70.7 106.1





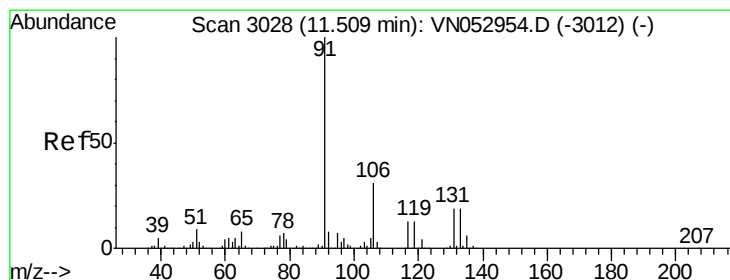
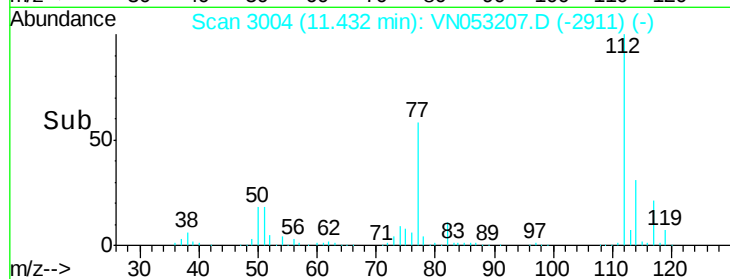
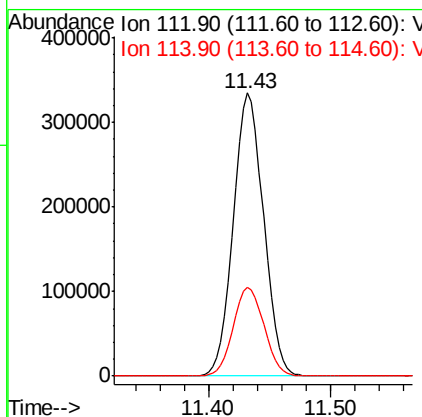
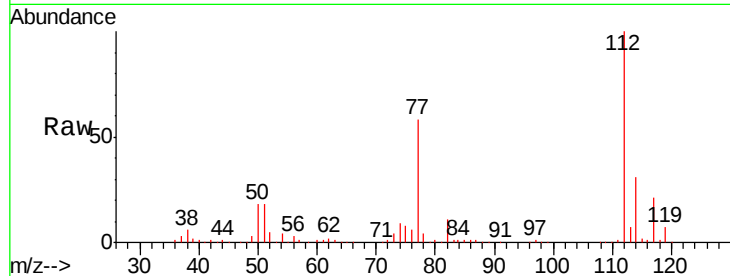
#65
Chlorobenzene
Concen: 20.386 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:112 Resp: 576685
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3

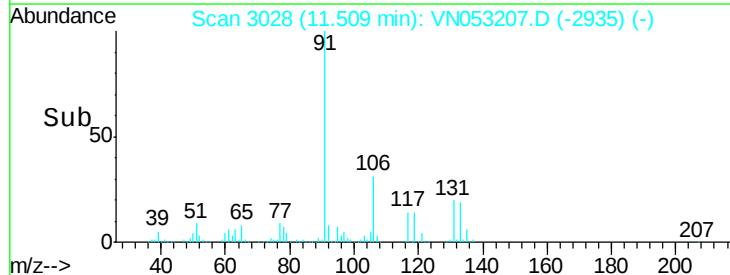
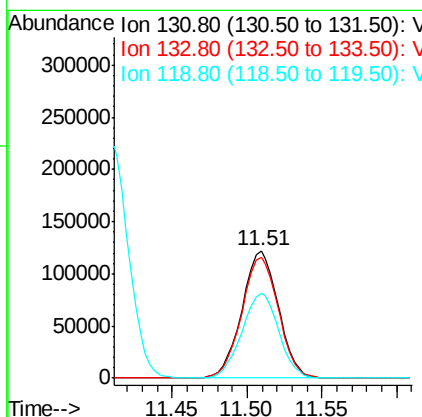
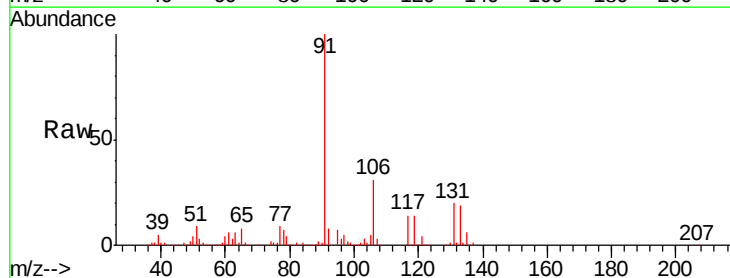
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.001 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion:131 Resp: 206592
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 67.5 33.3 99.8





#67

Ethyl Benzene

Concen: 20.298 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 91 Resp: 987481

Ion Ratio Lower Upper

91 100

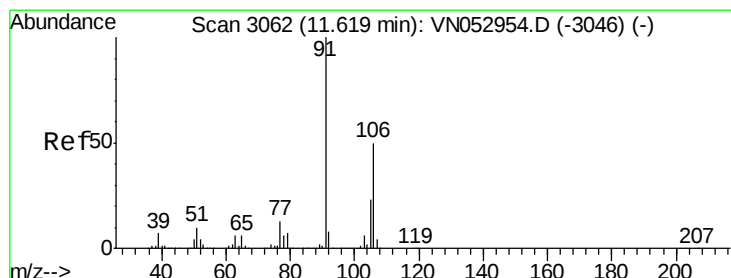
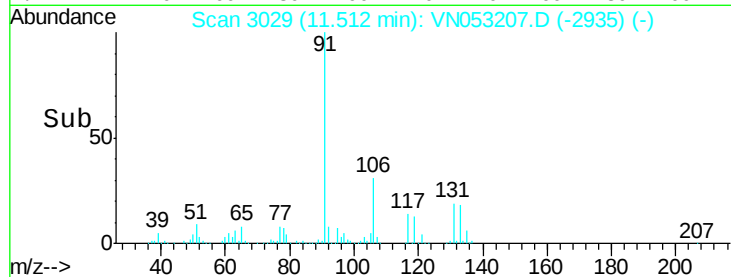
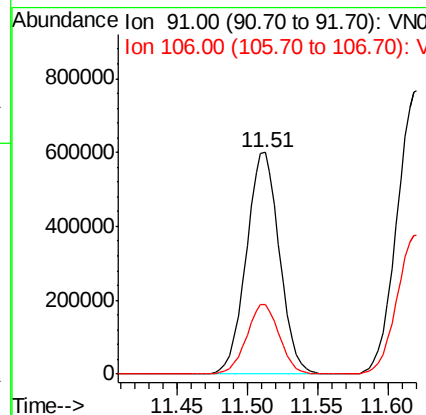
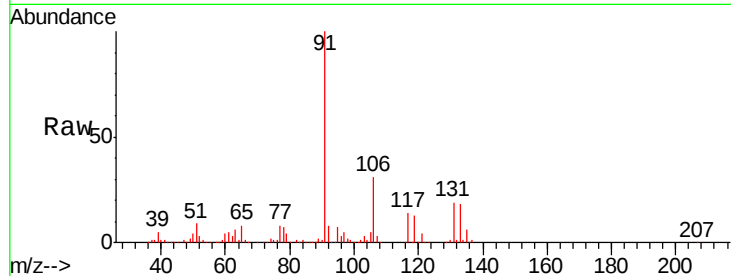
106 31.5 24.9 37.3

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#68

m/p-Xylenes

Concen: 39.699 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053207.D

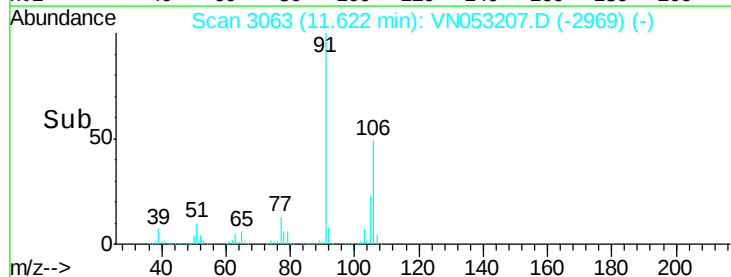
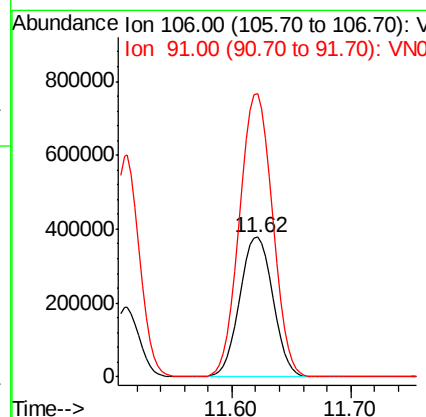
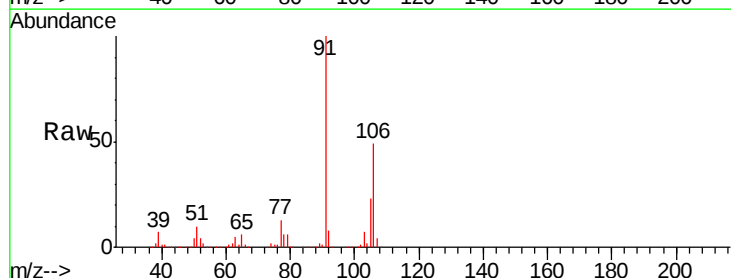
Acq: 27 Dec 2018 12:50

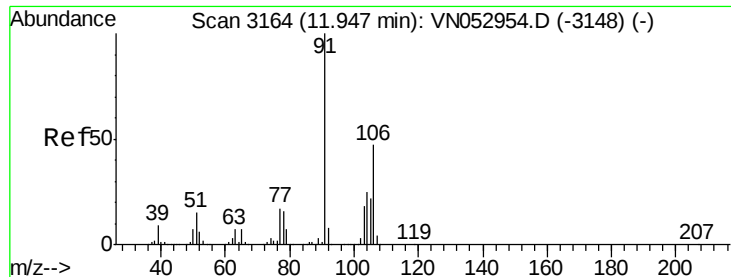
Tgt Ion: 106 Resp: 734195

Ion Ratio Lower Upper

106 100

91 202.0 162.2 243.4





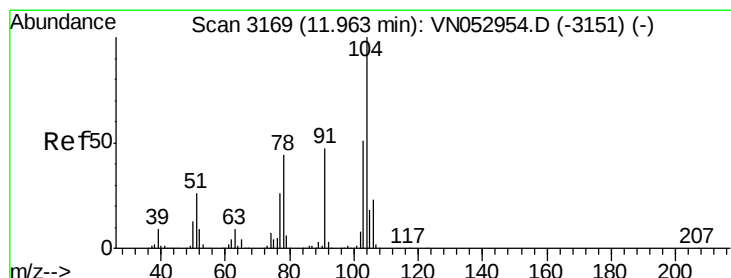
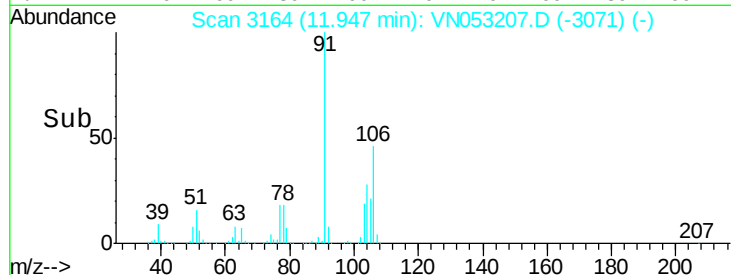
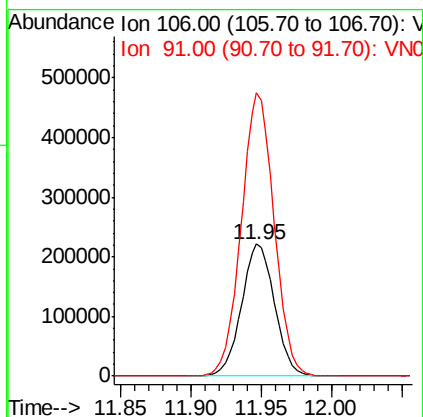
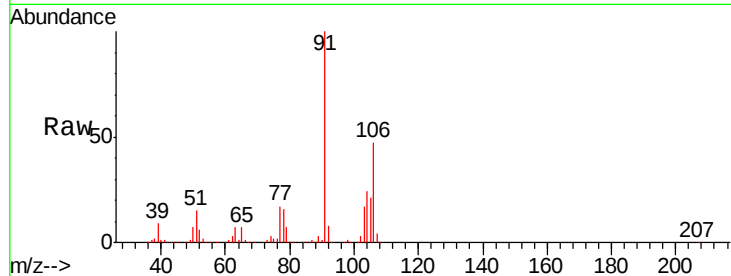
#69
o-Xylene
Concen: 20.462 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:106 Resp: 363130
Ion Ratio Lower Upper
106 100
91 212.9 106.6 319.8

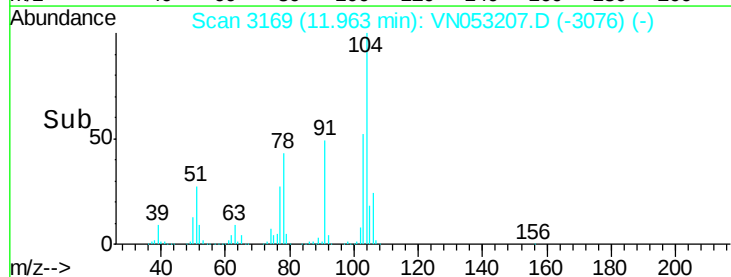
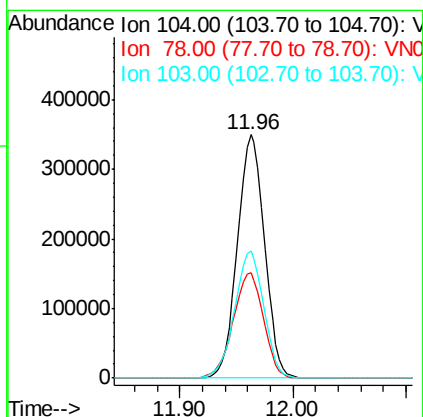
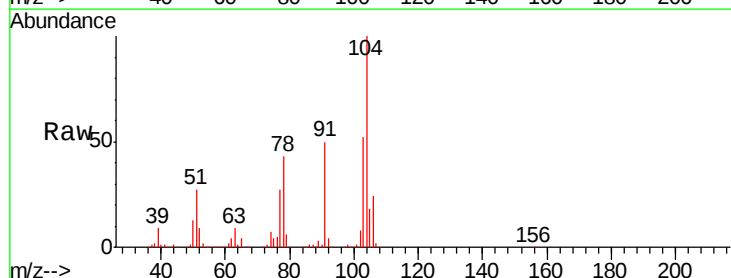
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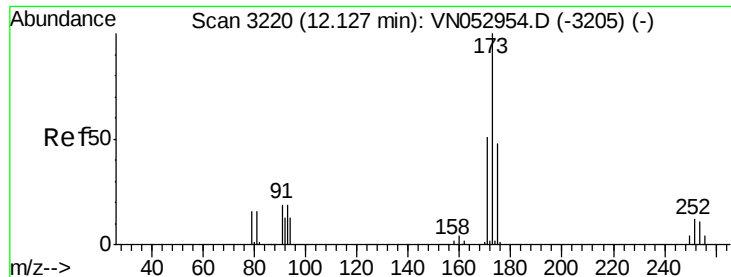
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#70
Styrene
Concen: 20.202 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion:104 Resp: 584606
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 56.1 44.3 66.5





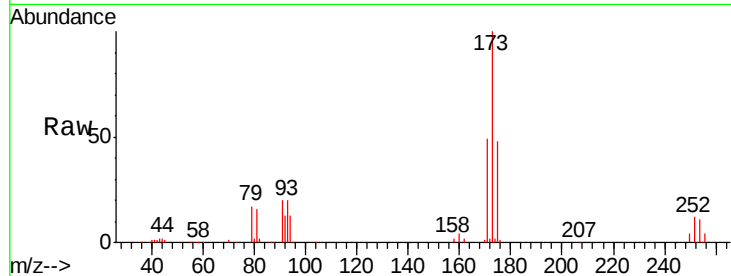
#71
Bromoform
Concen: 18.952 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

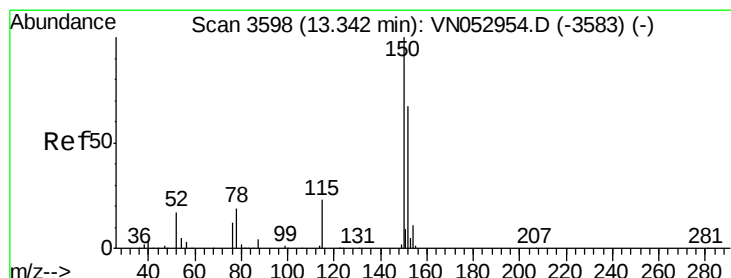
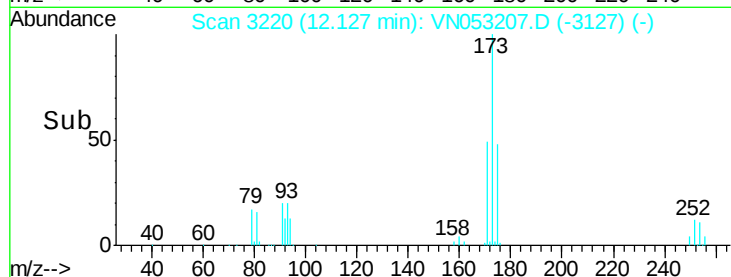
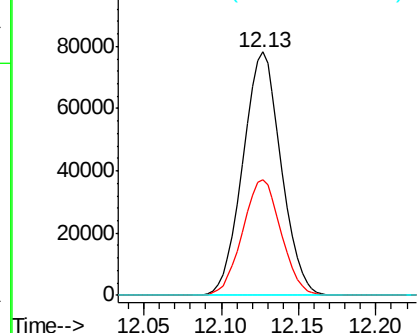
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	72.9
254	0.0	0.1	0.1#

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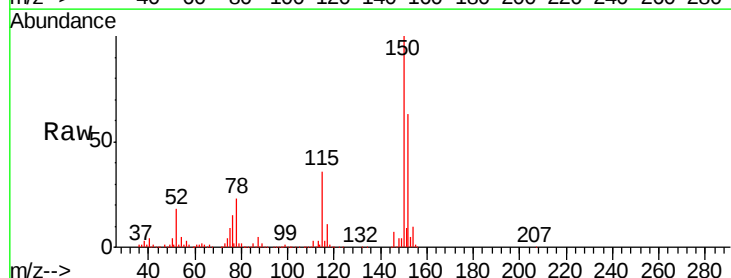


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

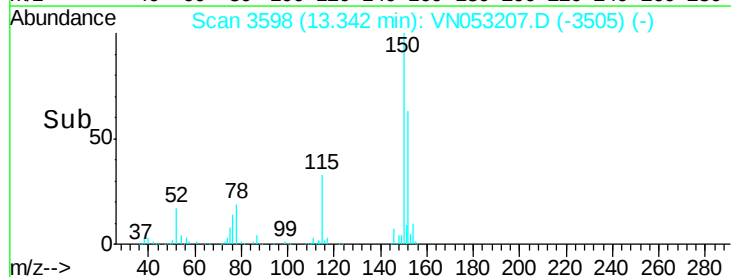
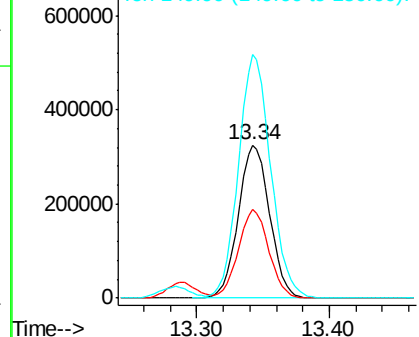


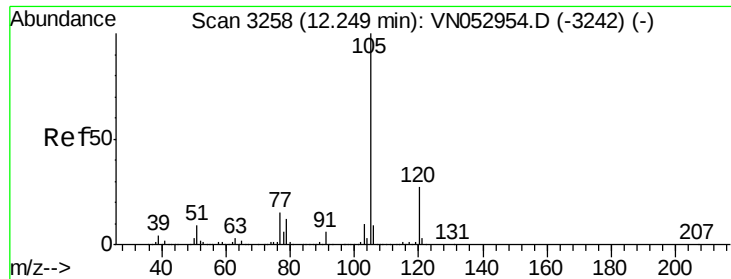
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.3	85.0
150	164.5	0.0	347.8



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: 23.115 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 105 Resp: 956646

Ion Ratio Lower Upper

105 100

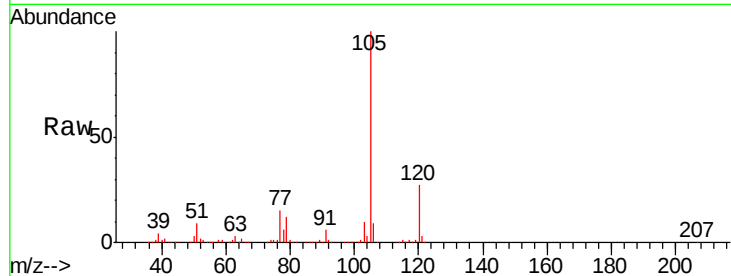
120 26.7 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

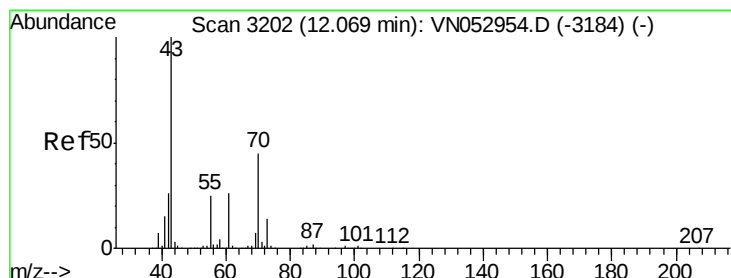
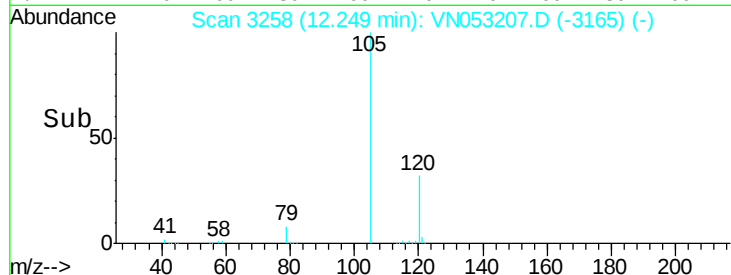
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 23.301 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Tgt Ion: 43 Resp: 267734

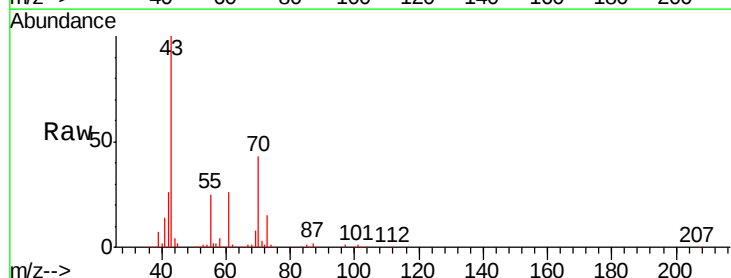
Ion Ratio Lower Upper

43 100

70 43.3 34.2 51.4

55 24.9 20.3 30.5

61 25.2 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

250000

200000

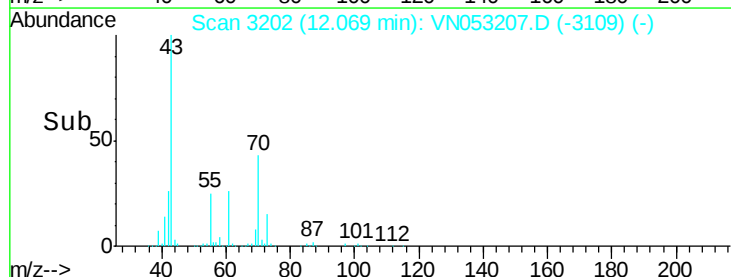
150000

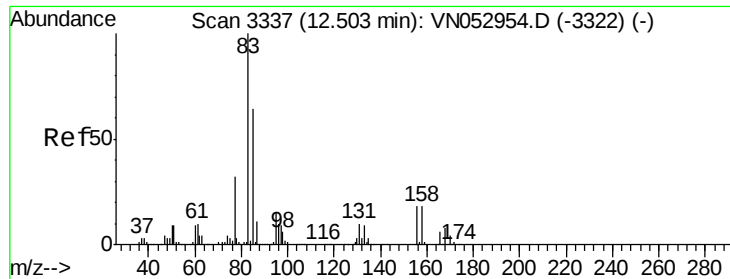
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 25.101 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

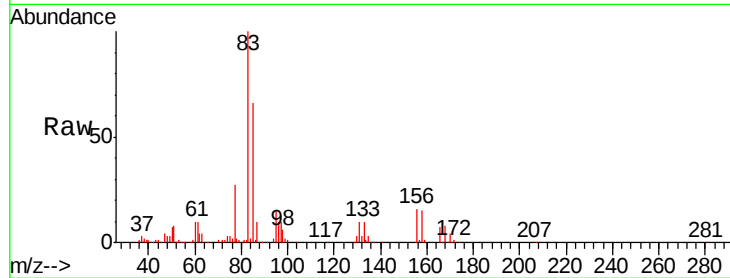
ClientSampleId :

VN1227WBSD01

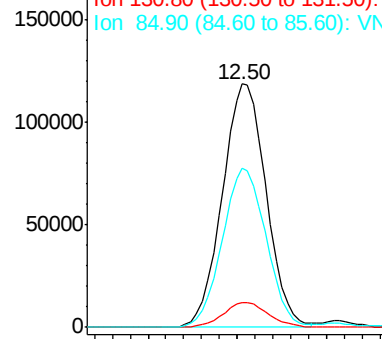
Tgt Ion:	83	Resp:	203803
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	65.6	32.4	97.0

Manual Integrations
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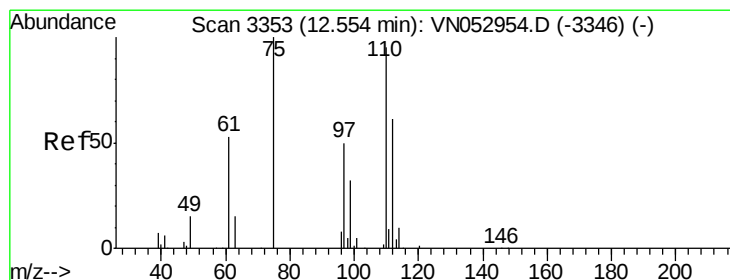
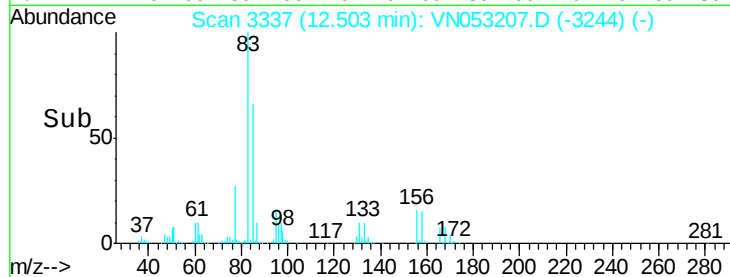
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Abundance Ion 82.90 (82.60 to 83.60): VN053207.D (-3244) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.890 ug/l m

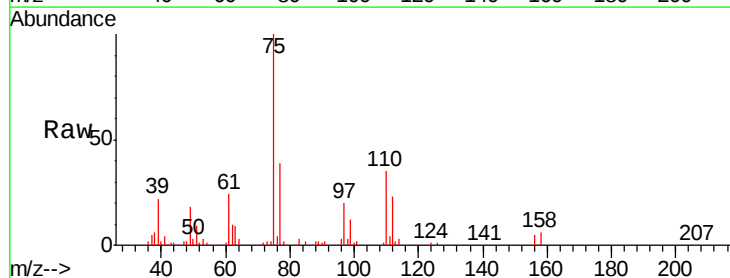
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

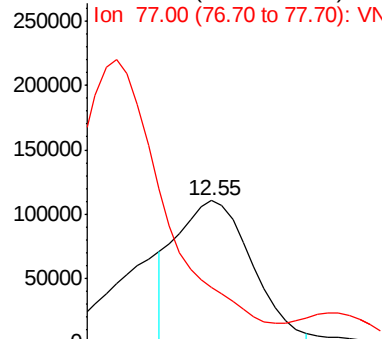
Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

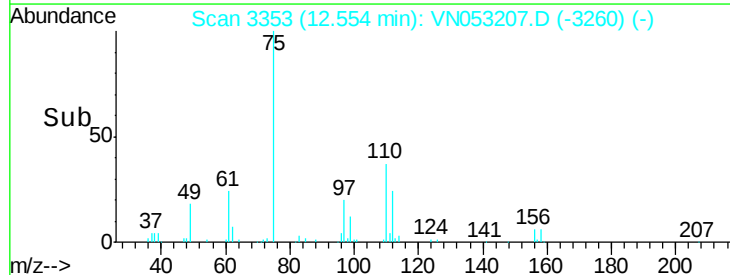
Tgt Ion:	75	Resp:	177110
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

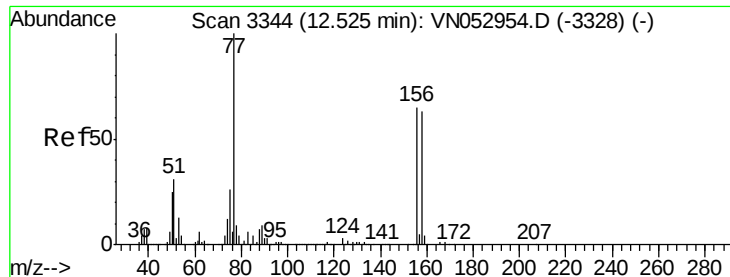


Abundance Ion 74.90 (74.60 to 75.60): VN053207.D (-3260) (-)



Time-->





#77

Bromobenzene

Concen: 22.554 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

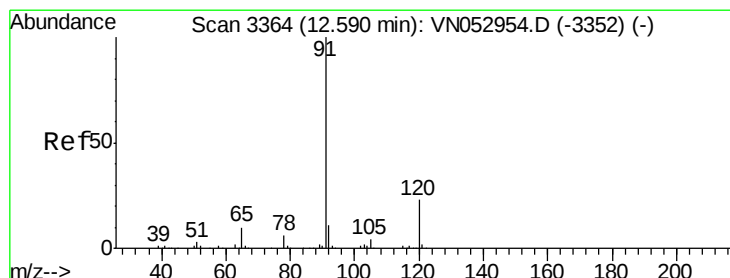
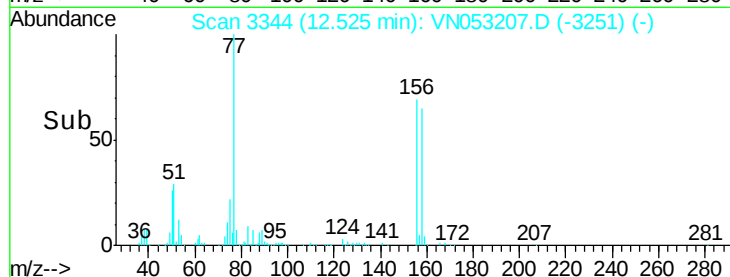
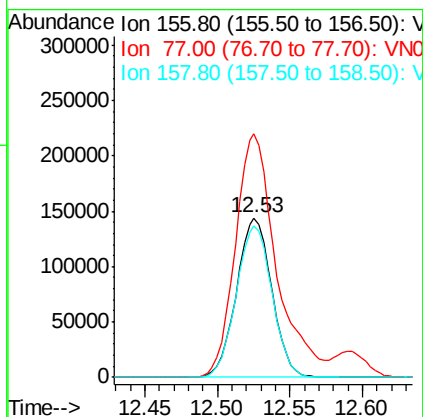
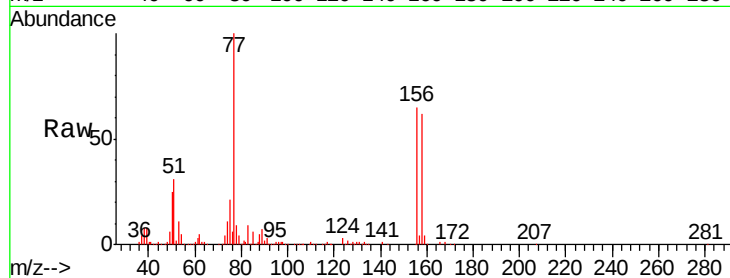
ClientSampleId :

VN1227WBSD01

Tgt Ion:	156	Resp:	242632
Ion Ratio	Lower	Upper	
156	100		
77	177.6	91.3	273.8
158	96.3	49.0	147.2

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#78

n-propylbenzene

Concen: 22.020 ug/l

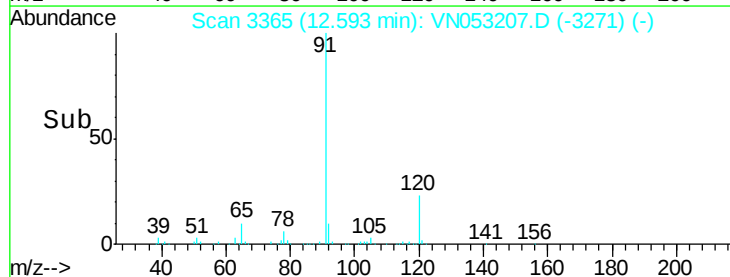
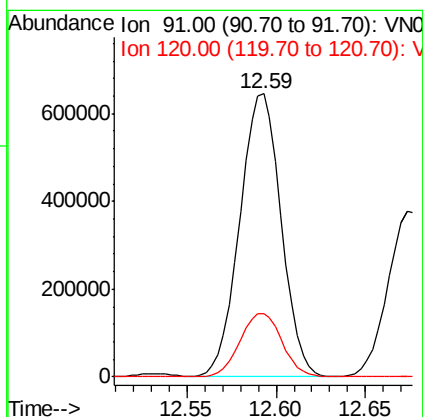
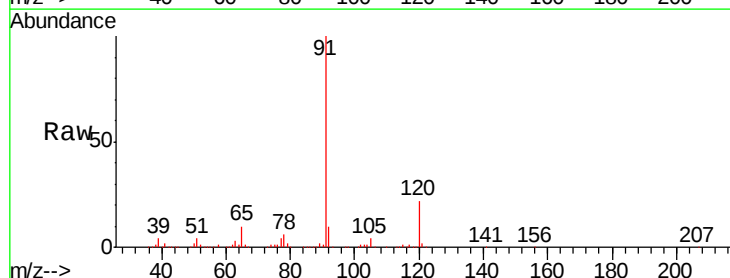
RT: 12.59 min Scan# 3365

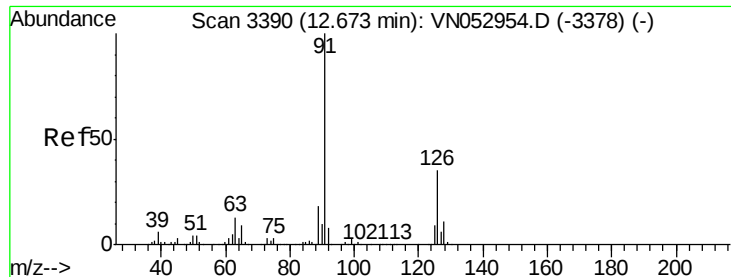
Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Tgt Ion:	91	Resp:	1037888
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 21.278 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 91 Resp: 621663

Ion Ratio Lower Upper

91 100

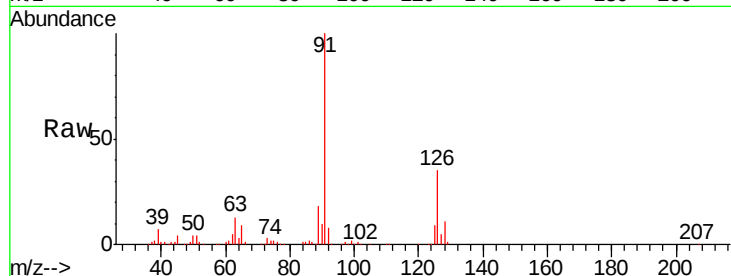
126 35.1 17.4 52.3

Manual Integrations

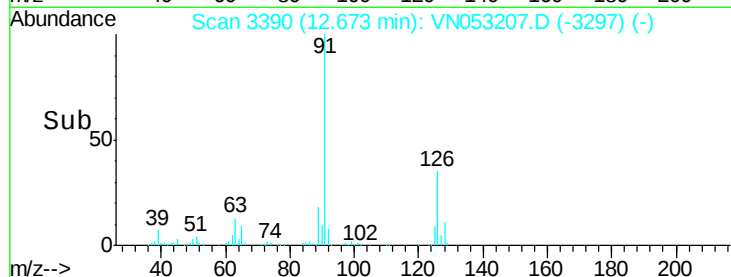
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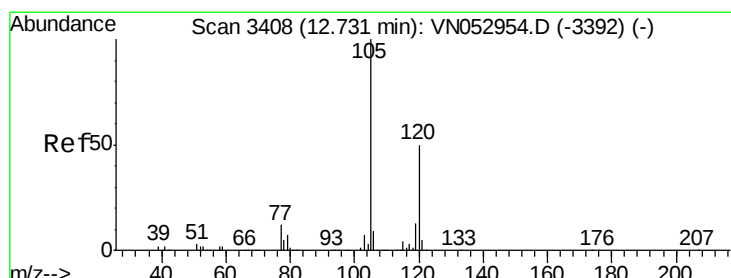
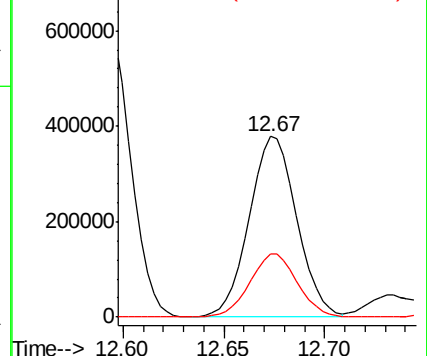
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Abundance Ion 91.00 (90.70 to 91.70): VN053207.D (-3297) (-)



Ion 125.90 (125.60 to 126.60): VN053207.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.507 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053207.D

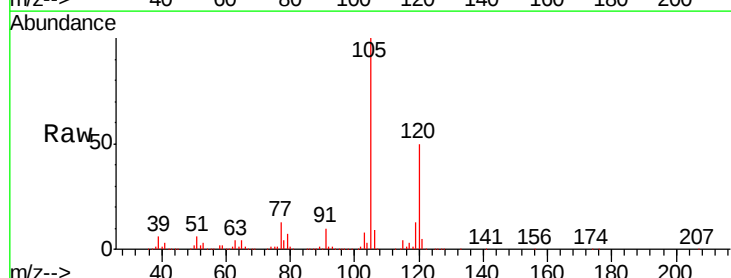
Acq: 27 Dec 2018 12:50

Tgt Ion: 105 Resp: 725478

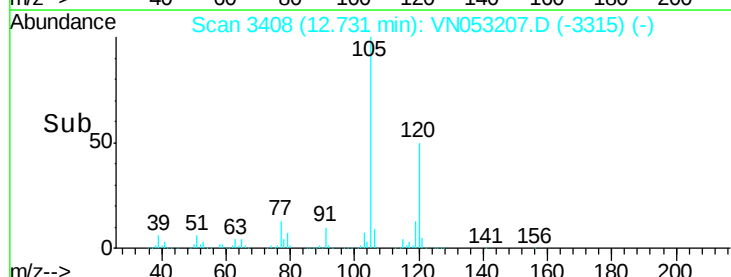
Ion Ratio Lower Upper

105 100

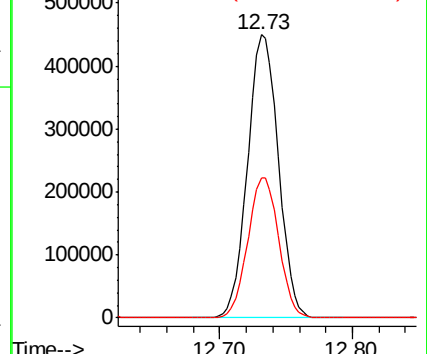
120 49.7 24.4 73.2

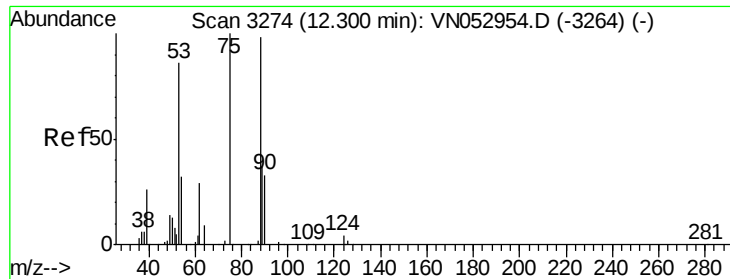


Abundance Ion 105.00 (104.70 to 105.70): VN053207.D (-3315) (-)



Ion 120.00 (119.70 to 120.70): VN053207.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.711 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

Tgt Ion: 75 Resp: 57216
Ion Ratio Lower Upper

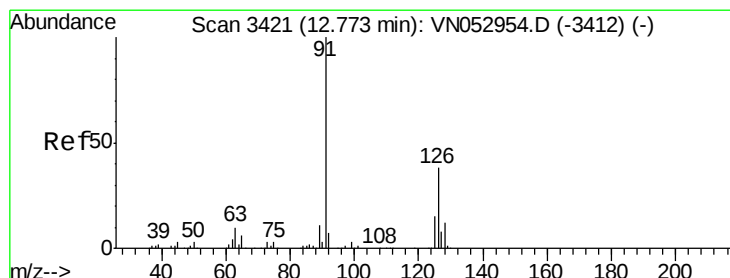
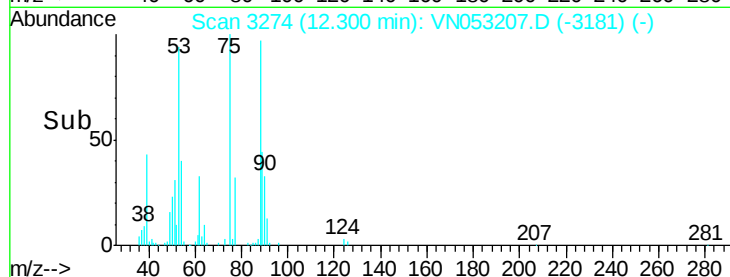
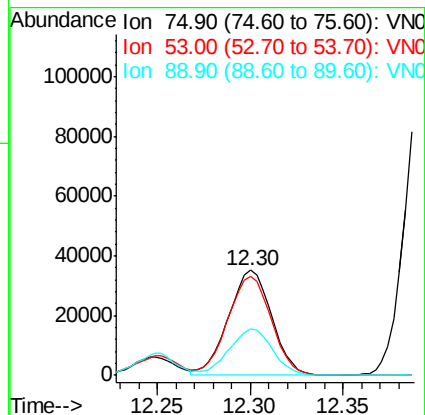
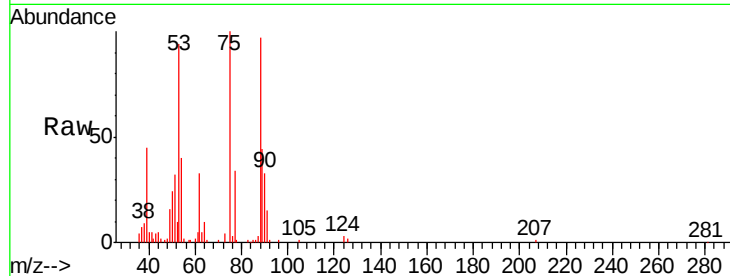
75 100

53 93.4 74.7 112.1

89 44.3 36.1 54.1

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#82

4-Chlorotoluene

Concen: 21.662 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

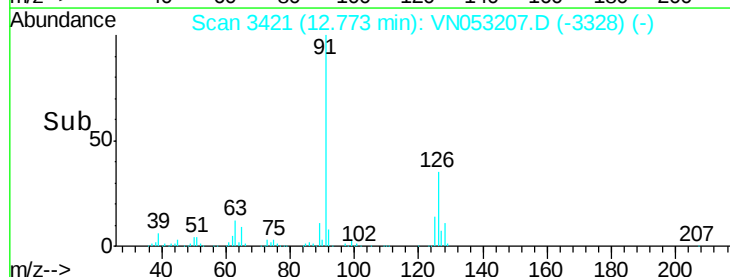
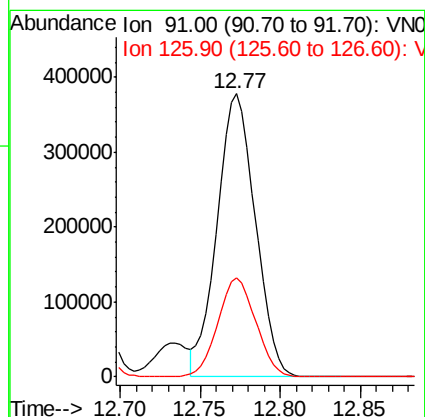
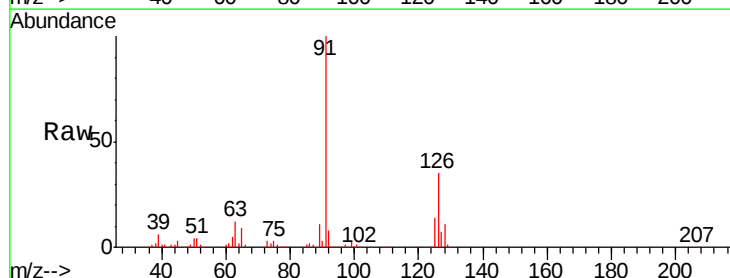
Lab File: VN053207.D

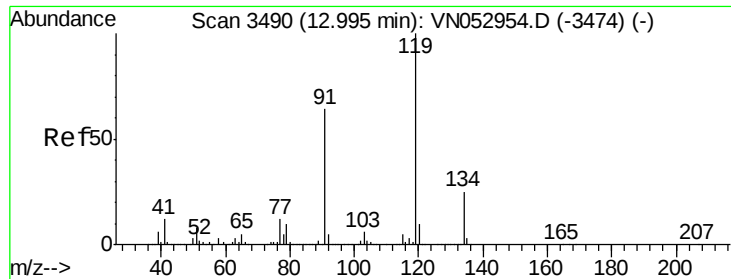
Acq: 27 Dec 2018 12:50

Tgt Ion: 91 Resp: 619533
Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.7





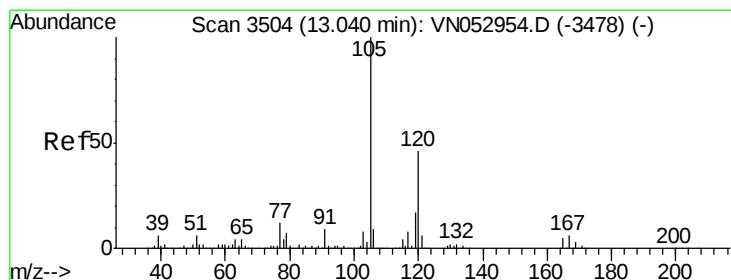
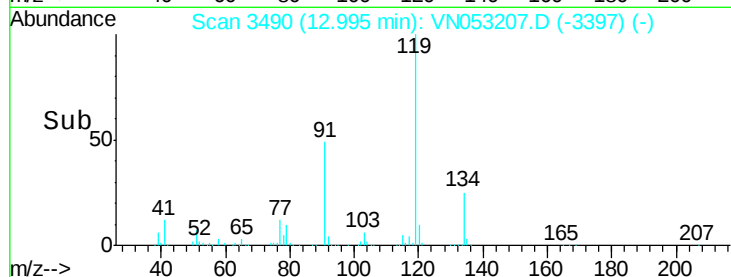
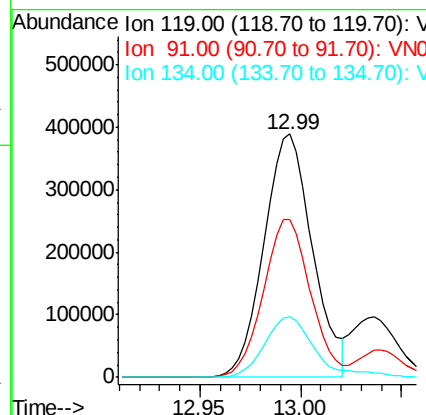
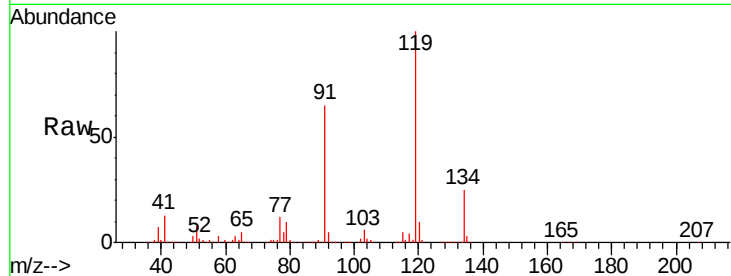
#83
 tert-Butylbenzene
 Concen: 21.816 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	650840		
91	62.8	31.9	95.5	
134	26.1	12.8	38.4	

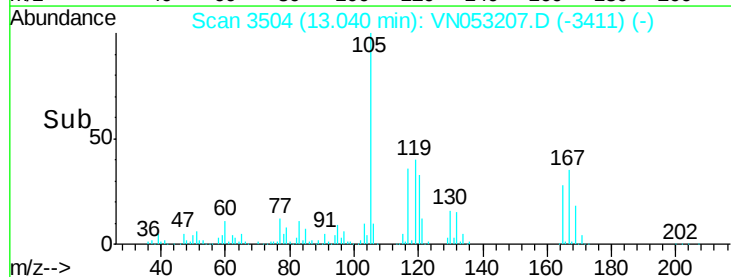
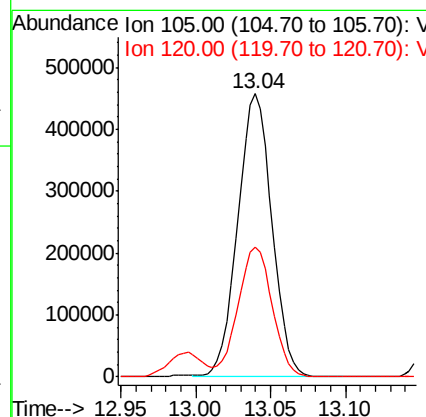
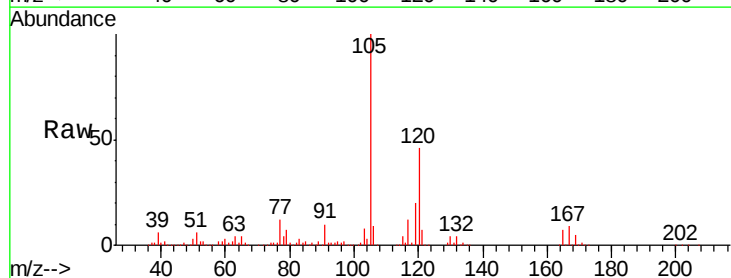
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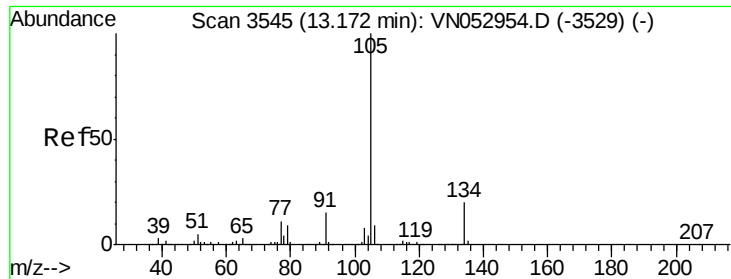
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.384 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	725144		
120	46.1	22.9	68.8	





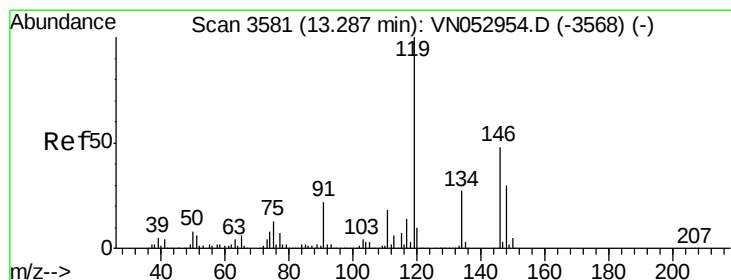
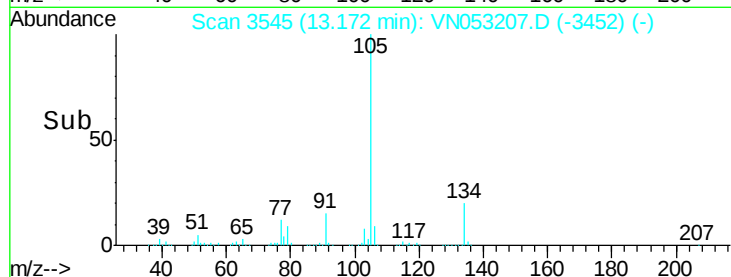
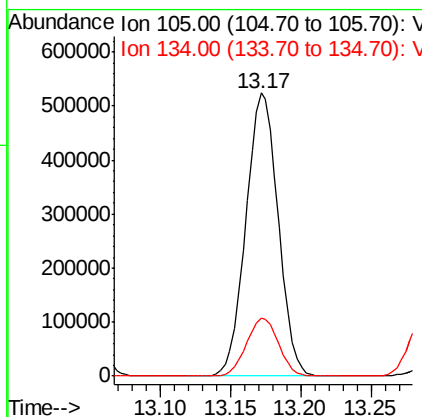
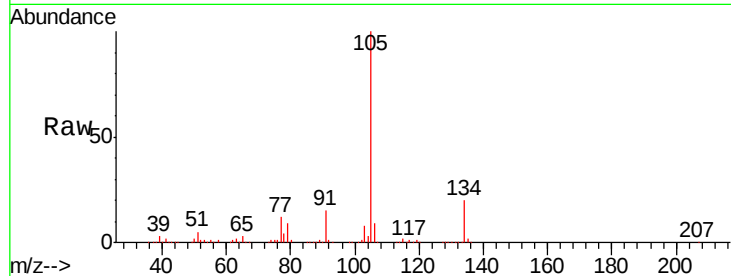
#85
 sec-Butylbenzene
 Concen: 20.799 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.3

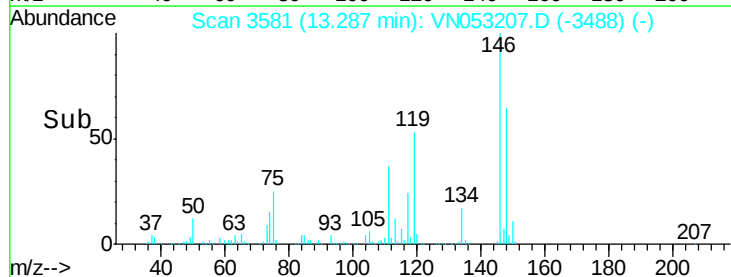
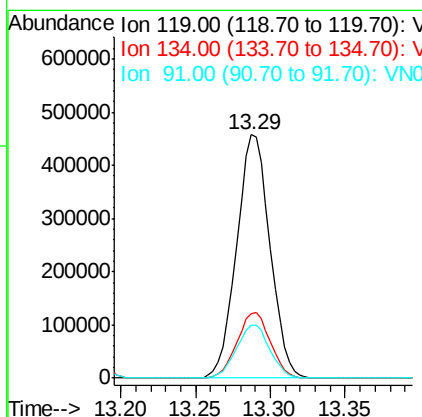
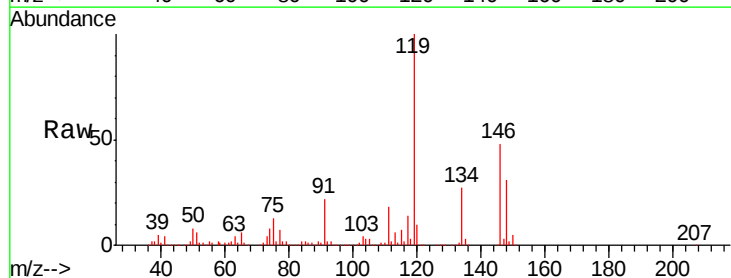
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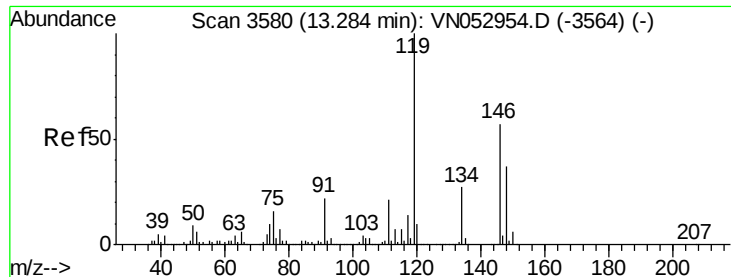
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#86
 p-Isopropyltoluene
 Concen: 20.302 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	21.9	11.1	33.3





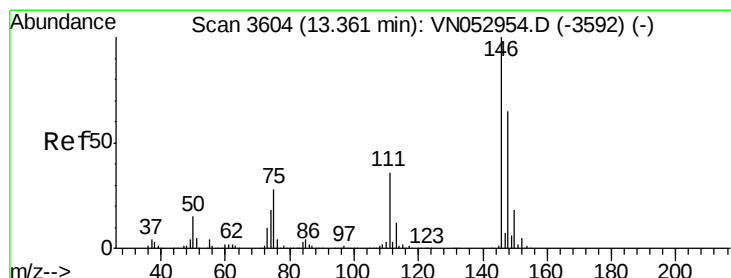
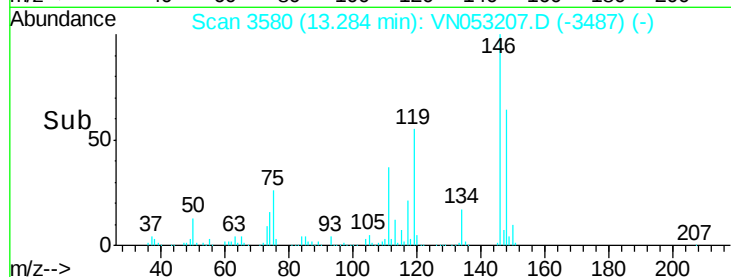
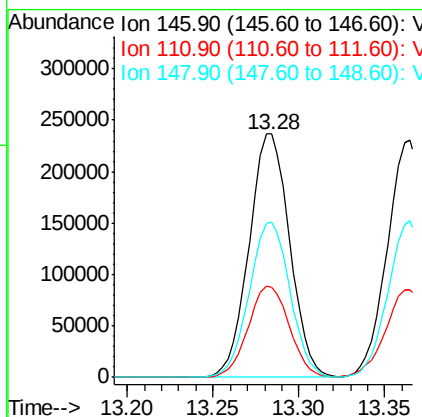
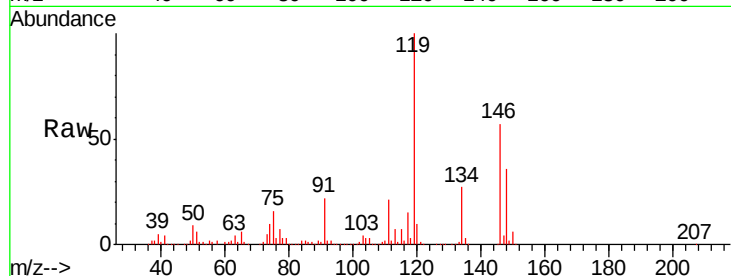
#87
 1,3-Dichlorobenzene
 Concen: 20.376 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	387963		
111	38.0	19.1	57.1	
148	63.9	32.0	96.0	

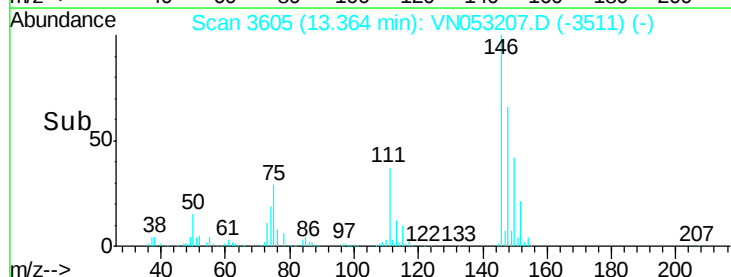
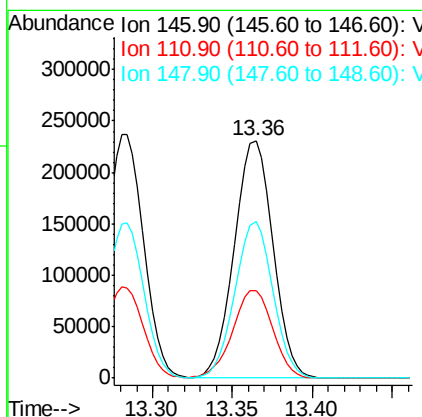
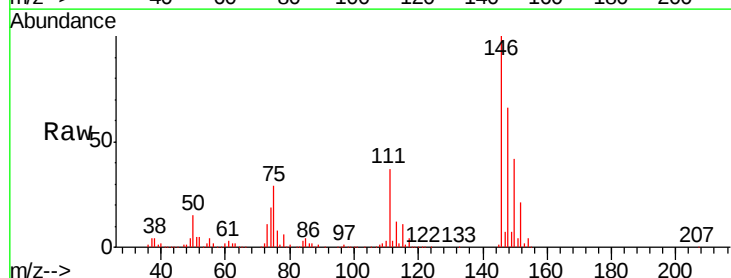
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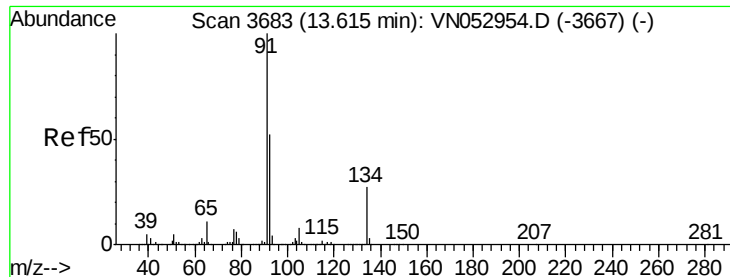
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#88
 1,4-Dichlorobenzene
 Concen: 19.730 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	380427		
111	38.4	18.6	55.8	
148	64.9	32.1	96.5	





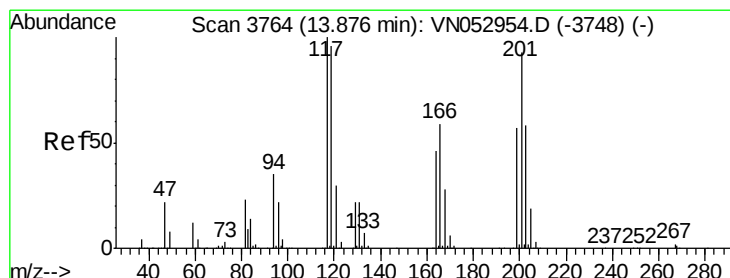
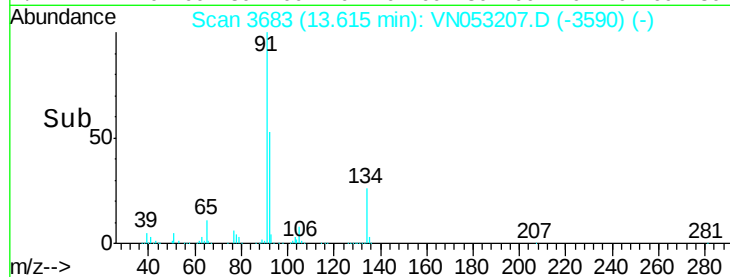
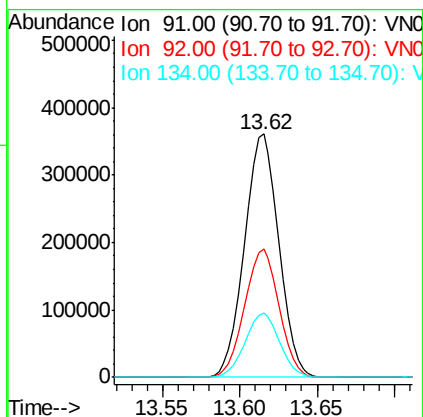
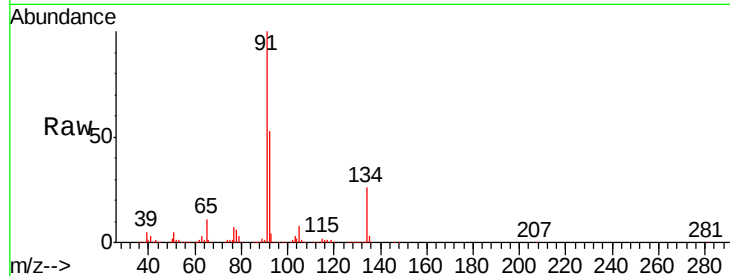
#89
n-Butylbenzene
Concen: 18.627 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	26.3	13.3	39.8

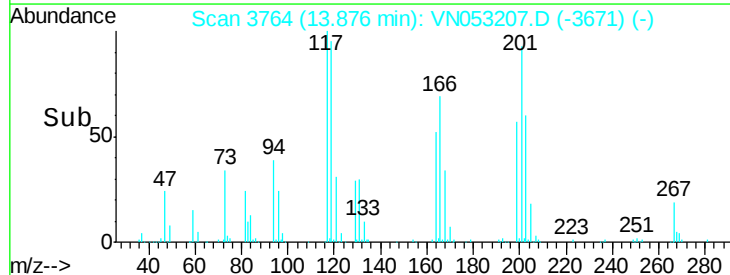
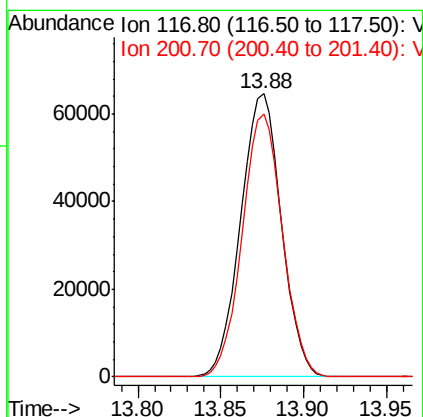
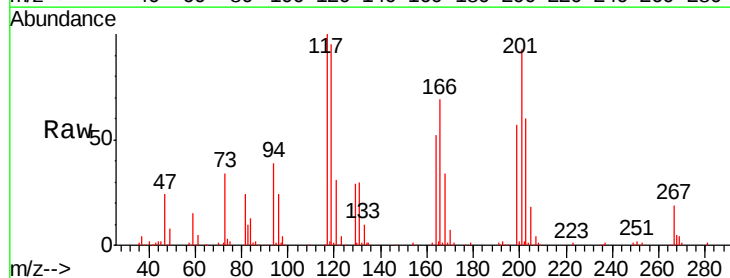
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#90
Hexachloroethane
Concen: 20.643 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	45.7	137.1





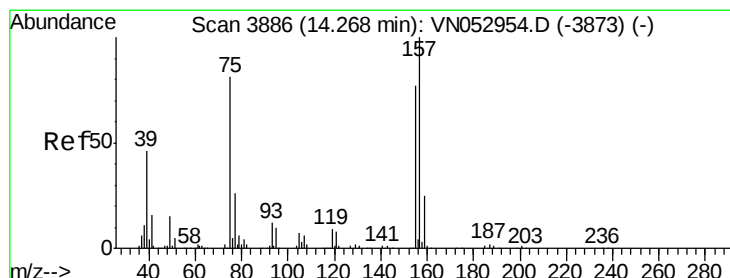
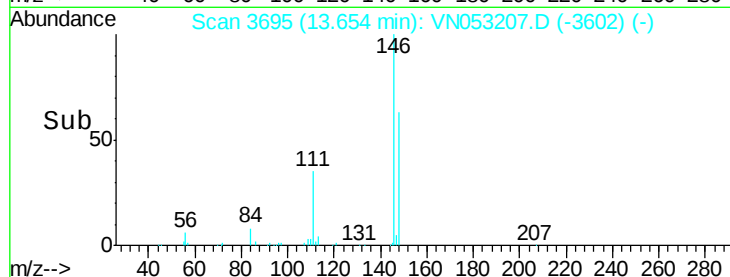
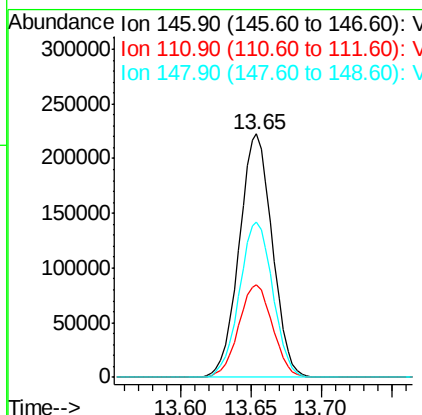
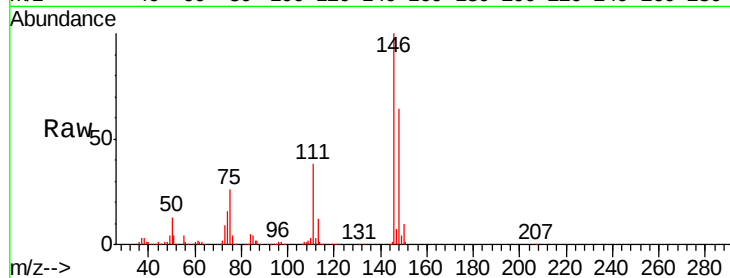
#91
 1,2-Dichlorobenzene
 Concen: 20.401 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	64.6	32.0	96.0

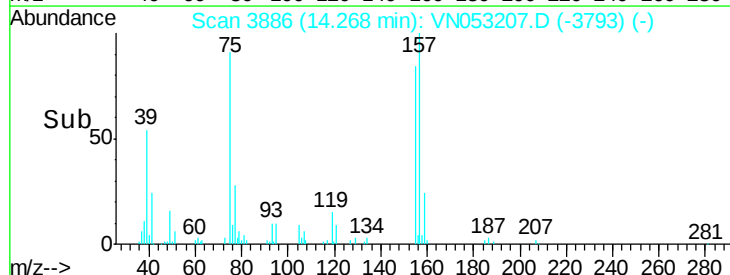
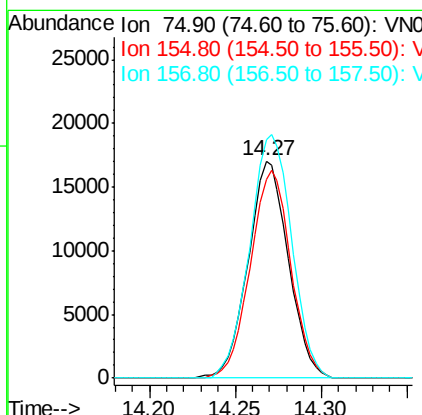
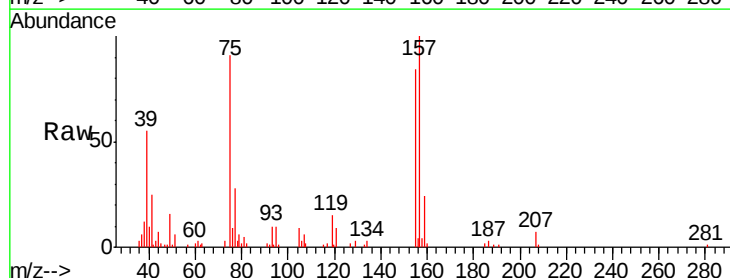
Manual Integrations
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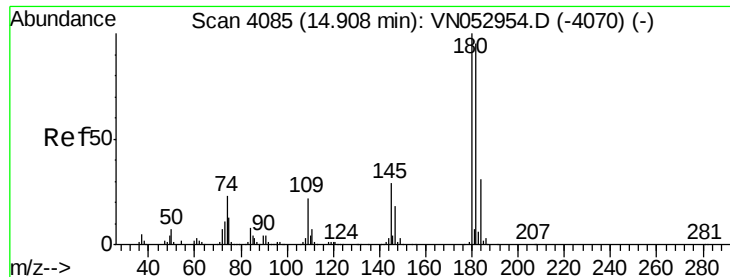
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.741 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.2	144.6
157	117.0	61.2	183.5





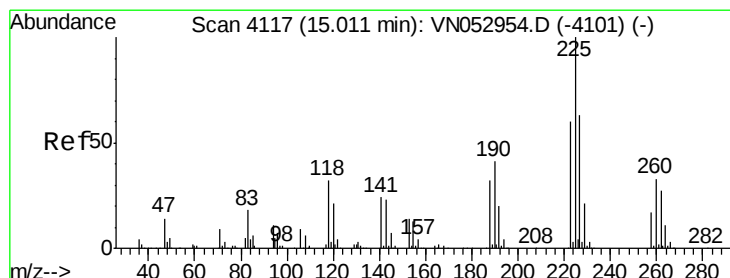
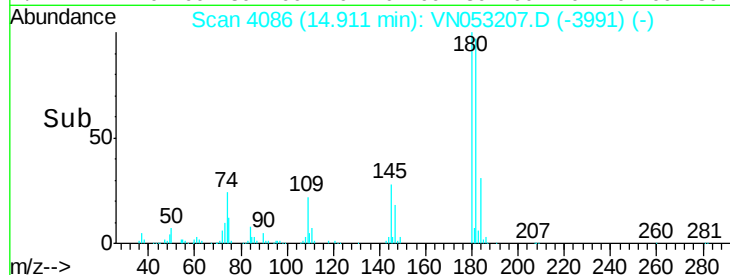
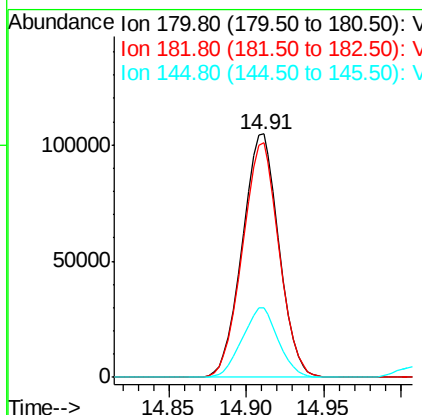
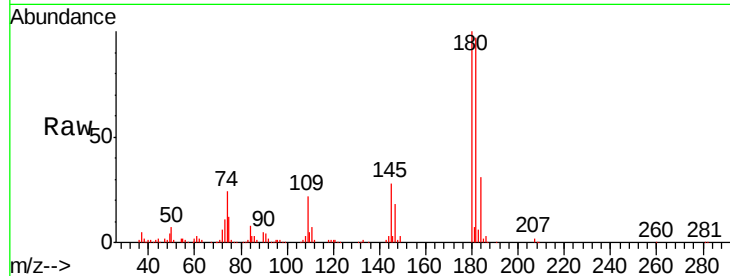
#93
 1,2,4-Trichlorobenzene
 Concen: 18.539 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	172401		
182	96.1	47.8	143.3	
145	28.1	14.2	42.6	

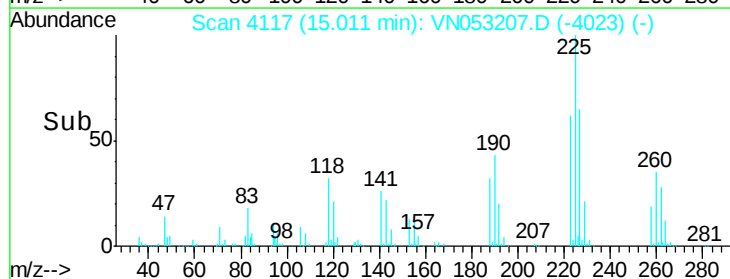
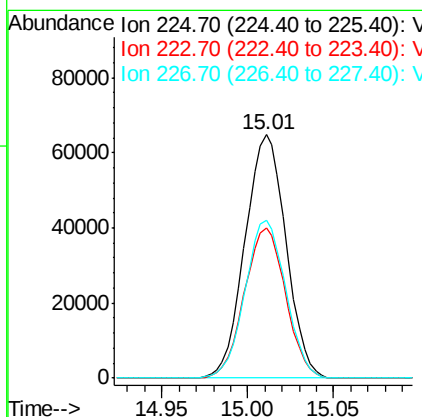
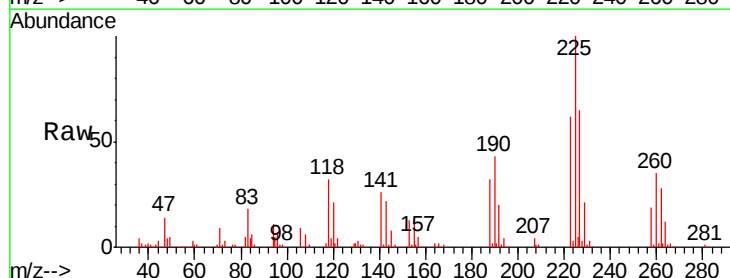
Manual Integrations
 APPROVED

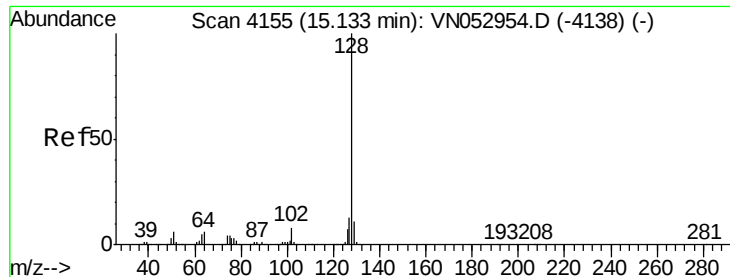
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#94
 Hexachlorobutadiene
 Concen: 20.093 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107217		
223	62.1	31.5	94.5	
227	64.3	31.9	95.7	





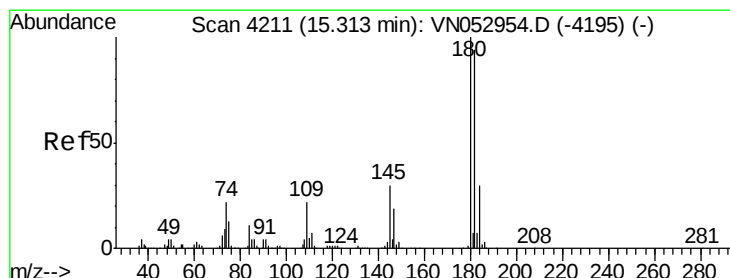
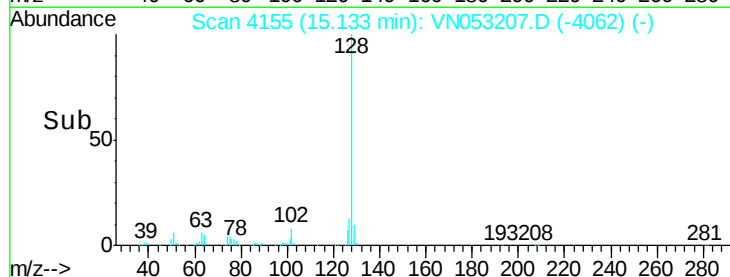
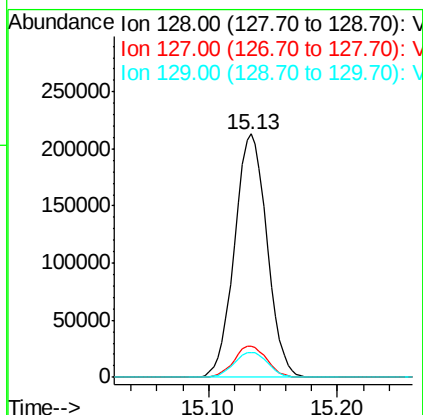
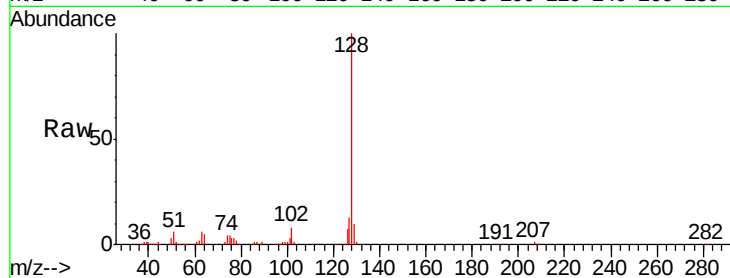
#95
Naphthalene
Concen: 18.643 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.785 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	30.4	15.0	45.0

