

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054389.D
 Acq On : 18 Mar 2019 13:05
 Operator : JC/SP
 Sample : VN0318WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:52 AM

Quant Time: Mar 19 05:59:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1199542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1852036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1602024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	687343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	681891	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
35) Dibromofluoromethane	7.59	113	633801	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
50) Toluene-d8	10.09	98	2264432	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	735066	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	236516	20.804	ug/l	98
3) Chloromethane	2.06	50	218933	19.825	ug/l	100
4) Vinyl Chloride	2.19	62	252672	20.018	ug/l	100
5) Bromomethane	2.57	94	146769	16.789	ug/l	99
6) Chloroethane	2.71	64	153220	20.063	ug/l	100
7) Trichlorofluoromethane	3.02	101	326310	19.445	ug/l	98
8) Diethyl Ether	3.41	74	168257	22.002	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	265776	21.135	ug/l	99
10) Methyl Iodide	3.94	142	322296	19.004	ug/l	100
11) Tert butyl alcohol	4.82	59	76736	87.866	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	260829	20.930	ug/l	99
13) Acrolein	3.61	56	66617	80.499	ug/l	97
14) Allyl chloride	4.32	41	320845	20.066	ug/l	98
15) Acrylonitrile	5.00	53	406191	113.228	ug/l	99
16) Acetone	3.82	43	296203	81.207	ug/l	97
17) Carbon Disulfide	4.04	76	513836	16.448	ug/l	99
18) Methyl Acetate	4.33	43	192062	26.026	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	675784	21.878	ug/l	99
20) Methylene Chloride	4.55	84	259411	21.660	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	247335	20.715	ug/l	99
22) Diisopropyl ether	5.96	45	697063	21.844	ug/l	98
23) Vinyl Acetate	5.90	43	2406598	102.285	ug/l	100
24) 1,1-Dichloroethane	5.85	63	445594	21.747	ug/l	99
25) 2-Butanone	6.85	43	459493	107.331	ug/l	98
26) 2,2-Dichloropropane	6.82	77	304623	16.906	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	294080	22.077	ug/l	97
28) Bromochloromethane	7.19	49	182072	21.736	ug/l	98
29) Tetrahydrofuran	7.22	42	294881	107.129	ug/l	98
30) Chloroform	7.37	83	474650	22.200	ug/l	99
31) Cyclohexane	7.65	56	399042	20.097	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	398301	20.627	ug/l	99
36) 1,1-Dichloropropene	7.79	75	337187	19.770	ug/l	100
37) Ethyl Acetate	6.94	43	203848	20.801	ug/l	99
38) Carbon Tetrachloride	7.77	117	342367	19.142	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	381519	18.181	ug/l	99
40) Benzene	8.04	78	1032644	21.158	ug/l	100
41) Methacrylonitrile	7.17	41	110361	19.723	ug/l	93
42) 1,2-Dichloroethane	8.13	62	349064	21.184	ug/l	100
43) Isopropyl Acetate	8.17	43	331514	19.272	ug/l	98
44) Trichloroethene	8.83	130	312022	20.580	ug/l	96
45) 1,2-Dichloropropane	9.12	63	262429	21.654	ug/l	98
46) Dibromomethane	9.21	93	170771	20.855	ug/l	100
47) Bromodichloromethane	9.40	83	337938	20.586	ug/l	97
48) Methyl methacrylate	9.20	41	181400	20.780	ug/l	98
49) 1,4-Dioxane	9.20	88	43370	351.235	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	974494	107.049	ug/l	99
52) Toluene	10.16	92	652189	21.075	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	294303	17.038	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	364550	19.057	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	247966	21.944	ug/l	98
56) Ethyl methacrylate	10.43	69	285453	21.186	ug/l	95
57) 1,3-Dichloropropane	10.71	76	394502	21.351	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	527795	101.043	ug/l	99
59) 2-Hexanone	10.75	43	593768	98.026	ug/l	98
60) Dibromochloromethane	10.90	129	246195	19.357	ug/l	100
61) 1,2-Dibromoethane	11.01	107	245665	21.394	ug/l	100
64) Tetrachloroethene	10.63	164	307828	19.874	ug/l	99
65) Chlorobenzene	11.43	112	747570	21.252	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	264725	20.716	ug/l	97
67) Ethyl Benzene	11.51	91	1212118	20.787	ug/l	100
68) m/p-Xylenes	11.62	106	954809	41.895	ug/l	100
69) o-Xylene	11.95	106	479349	21.576	ug/l	97
70) Styrene	11.96	104	719369	20.646	ug/l	99
71) Bromoform	12.13	173	155849	17.598	ug/l #	100
73) Isopropylbenzene	12.25	105	1226767	22.308	ug/l	99
74) N-amyl acetate	12.07	43	257891	21.128	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	280972	23.981	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	226293m	22.388	ug/l	
77) Bromobenzene	12.53	156	350082	24.058	ug/l	90
78) n-propylbenzene	12.59	91	1294095	21.688	ug/l	100
79) 2-Chlorotoluene	12.67	91	803153	22.386	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	983706	21.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42601	14.408	ug/l #	81
82) 4-Chlorotoluene	12.77	91	775786	21.655	ug/l	99
83) tert-Butylbenzene	12.99	119	902057	21.425	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	994189	22.155	ug/l	99
85) sec-Butylbenzene	13.17	105	1110795	20.344	ug/l	99
86) p-Isopropyltoluene	13.29	119	946903	19.768	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	525853	21.446	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	503715	20.912	ug/l	99
89) n-Butylbenzene	13.61	91	657641	18.069	ug/l	100
90) Hexachloroethane	13.87	117	143584	18.102	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	533875	22.272	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37089	20.457	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	222703	17.131	ug/l	100
94) Hexachlorobutadiene	15.01	225	150890	16.526	ug/l	99
95) Naphthalene	15.13	128	509715	19.204	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	232618	18.264	ug/l	98

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

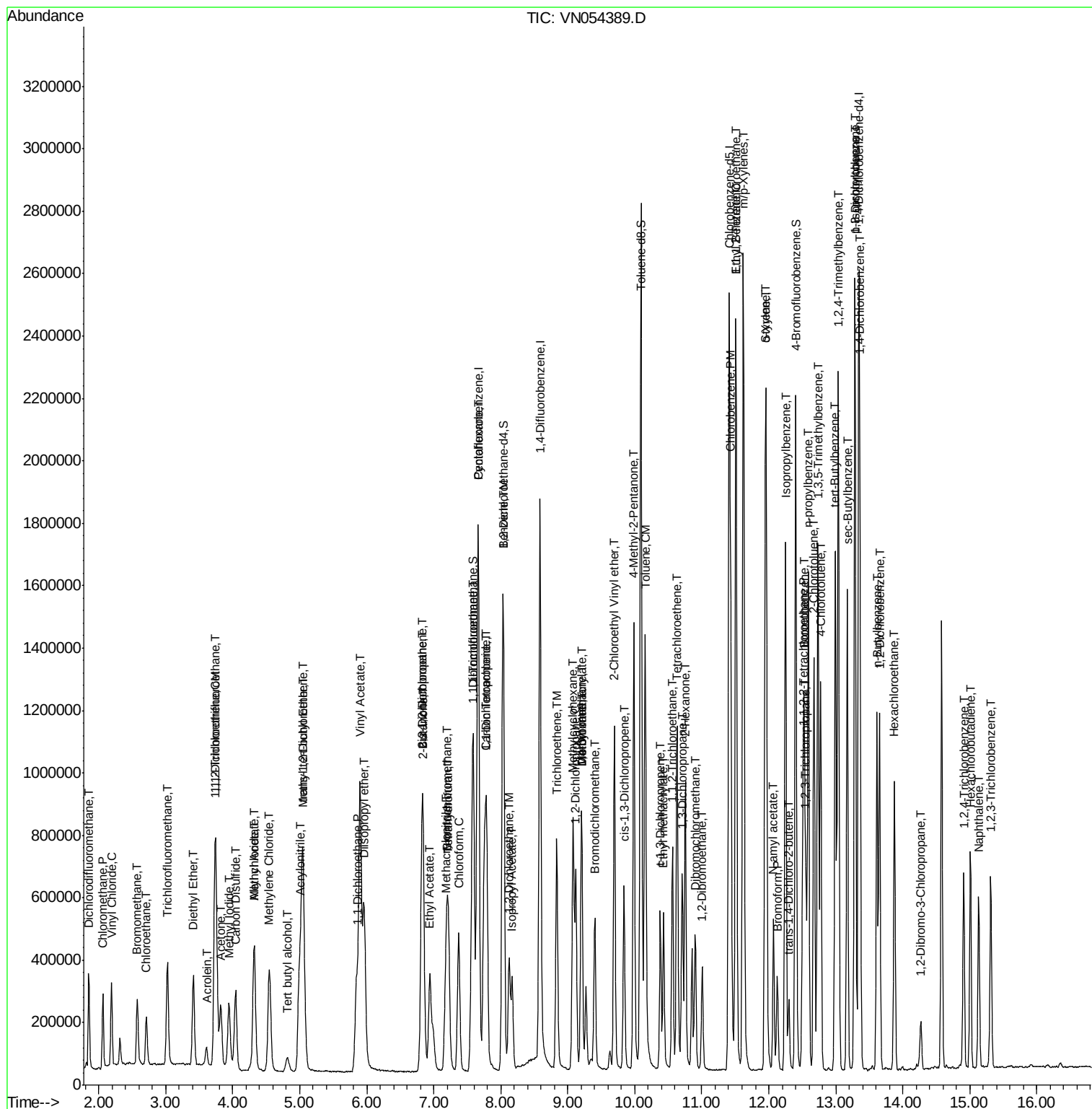
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Data File : VN054389.D
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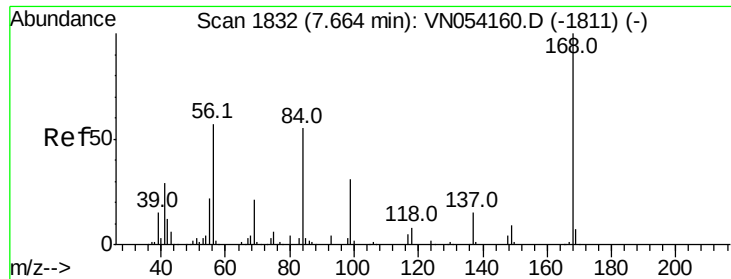
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion:168 Resp: 1199542

Ion Ratio Lower Upper

168 100

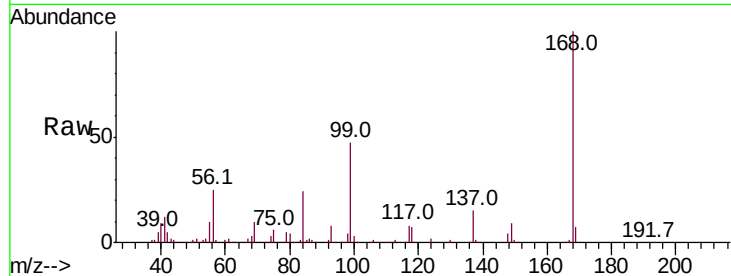
99 46.6 37.1 55.7

Manual Integrations

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3/19/2019 9:23:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

500000

400000

300000

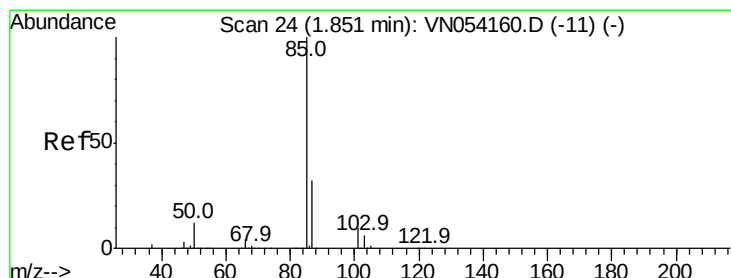
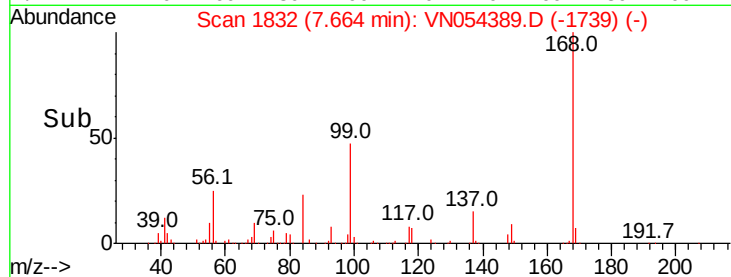
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.804 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054389.D

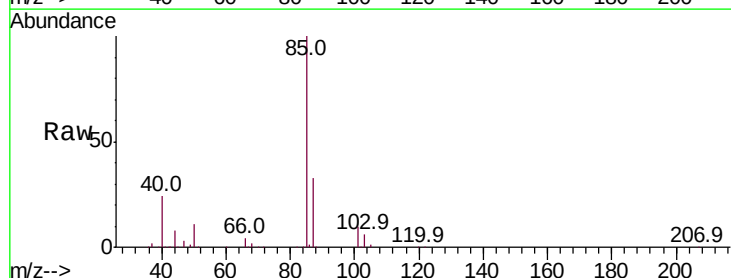
Acq: 18 Mar 2019 13:05

Tgt Ion: 85 Resp: 236516

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

150000

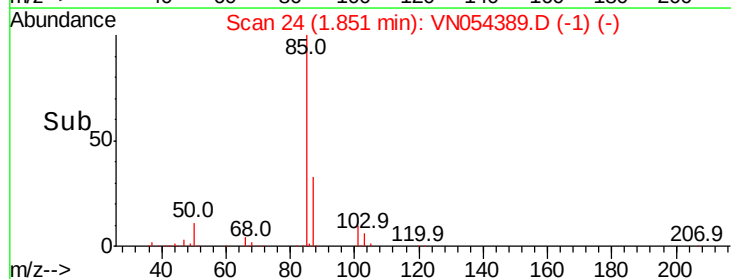
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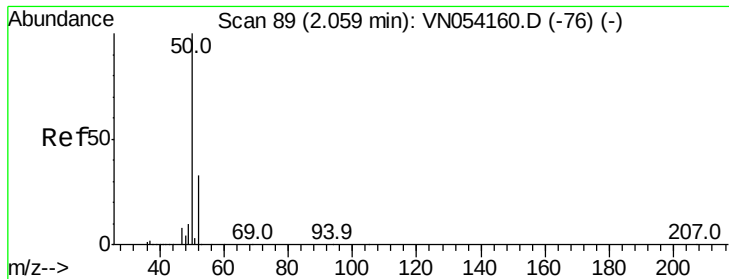
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.825 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 50 Resp: 218933

Ion Ratio Lower Upper

50 100

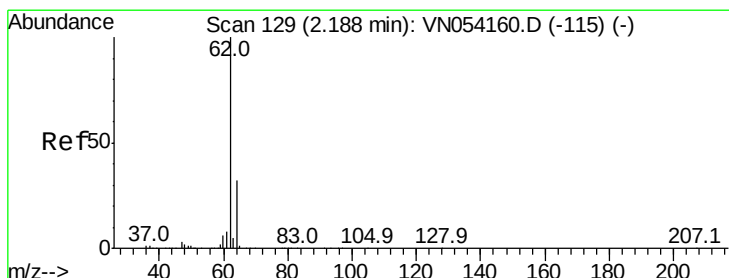
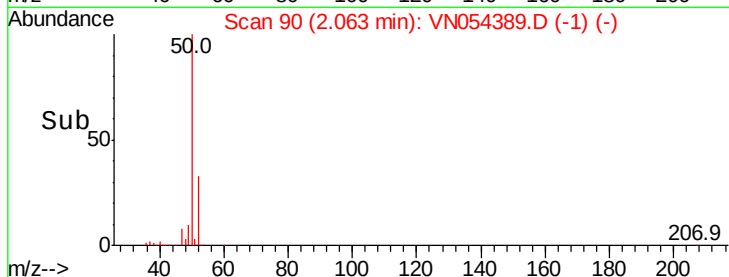
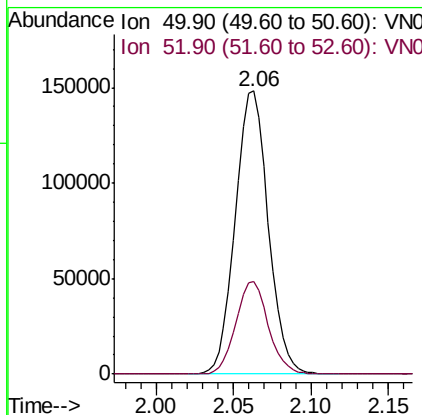
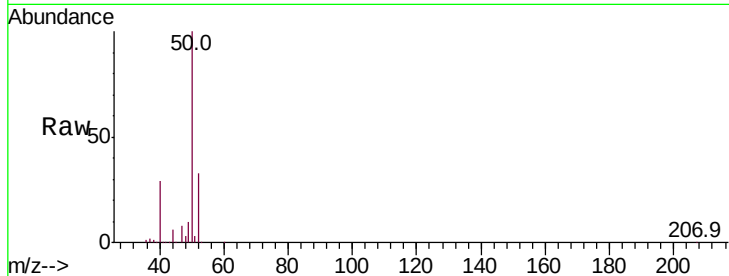
52 32.7 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.018 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054389.D

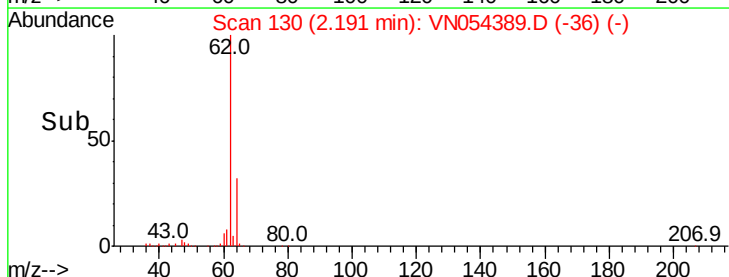
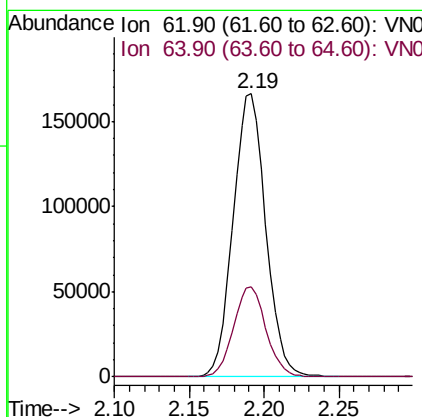
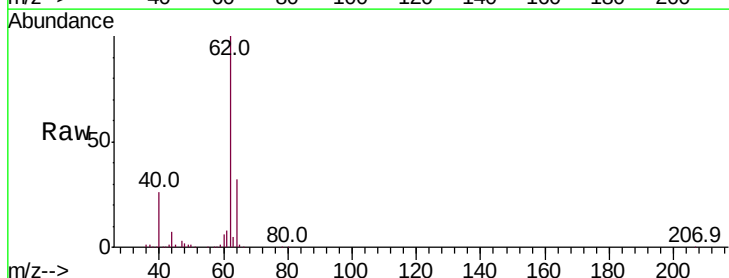
Acq: 18 Mar 2019 13:05

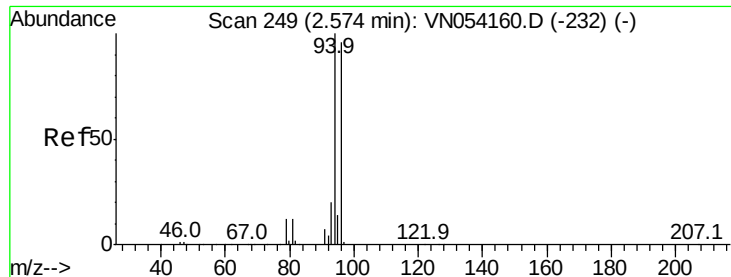
Tgt Ion: 62 Resp: 252672

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 16.789 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 94 Resp: 146769

Ion Ratio Lower Upper

94 100

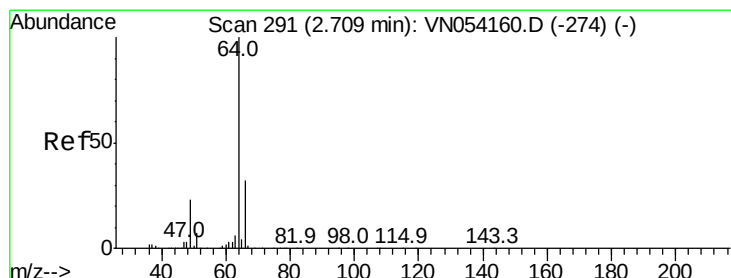
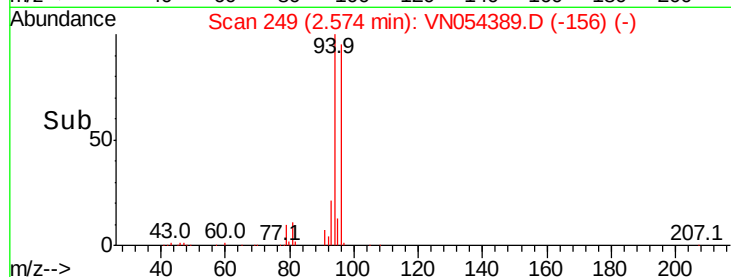
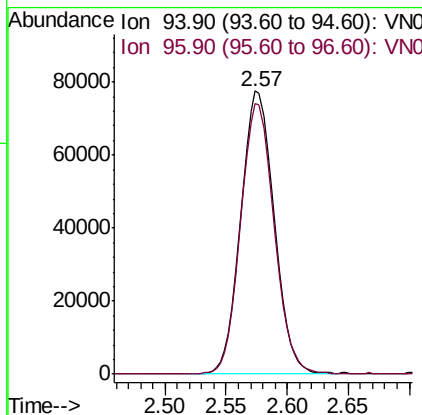
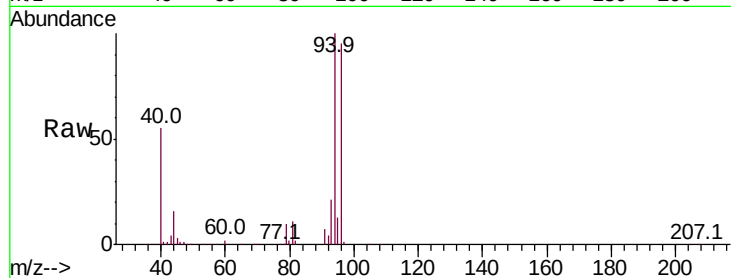
96 95.2 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 20.063 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054389.D

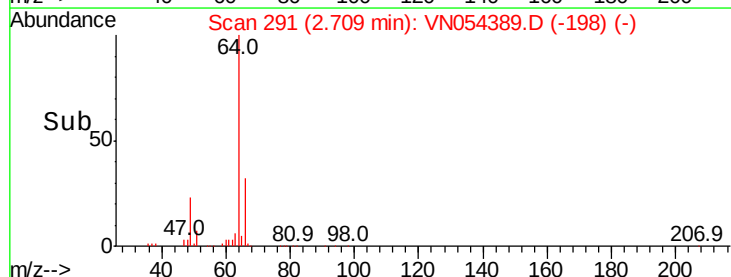
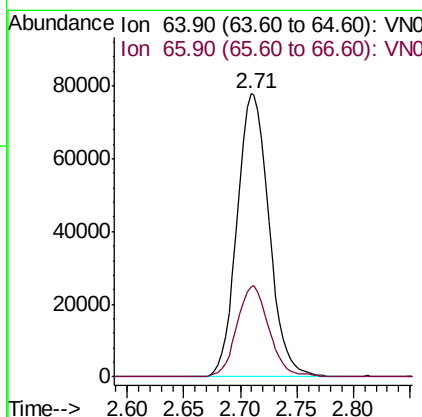
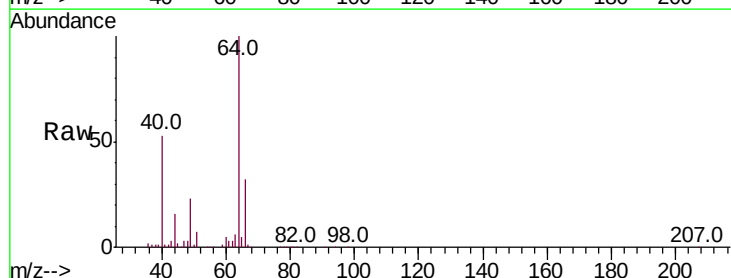
Acq: 18 Mar 2019 13:05

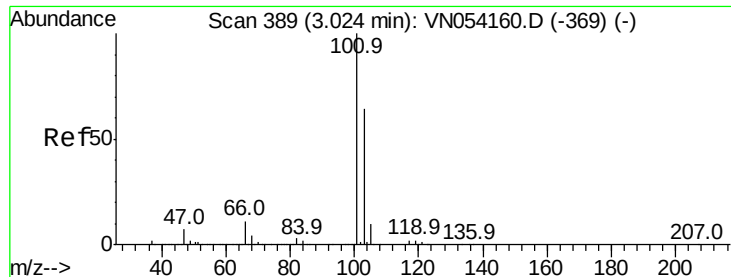
Tgt Ion: 64 Resp: 153220

Ion Ratio Lower Upper

64 100

66 32.0 25.7 38.5





#7

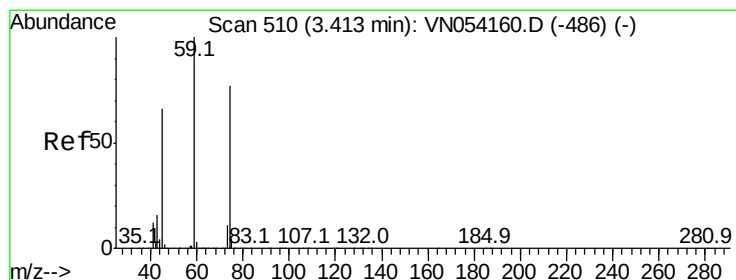
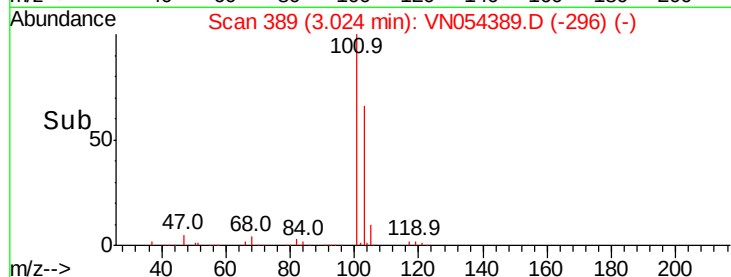
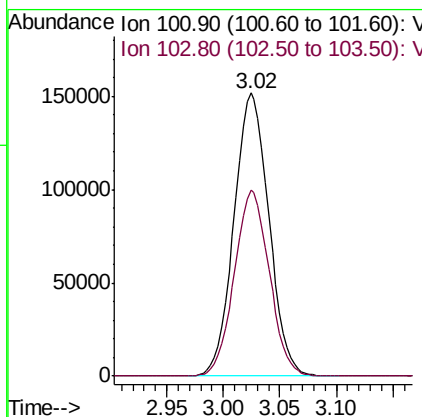
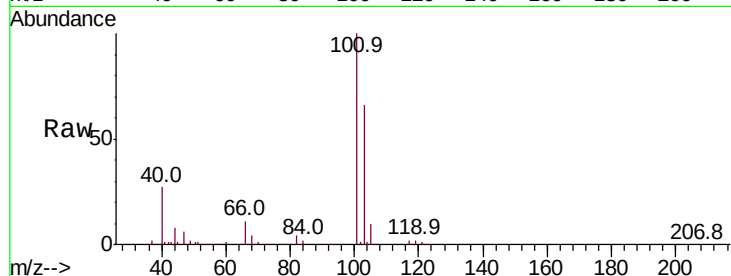
Trichlorofluoromethane
 Concen: 19.445 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.4	77.2

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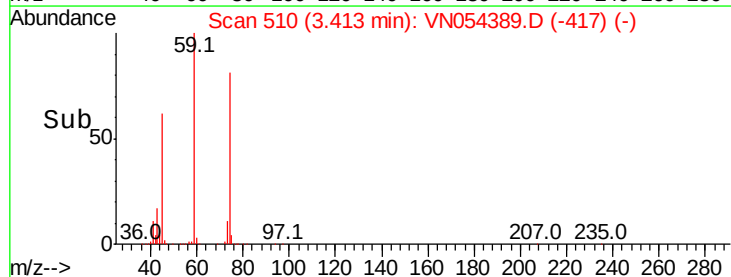
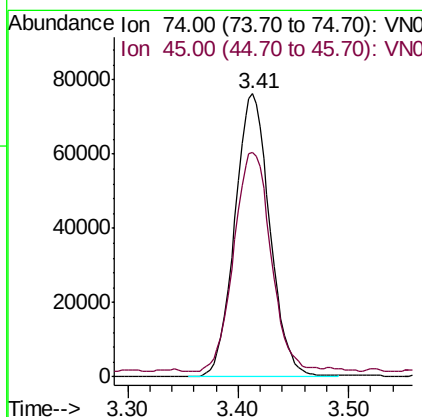
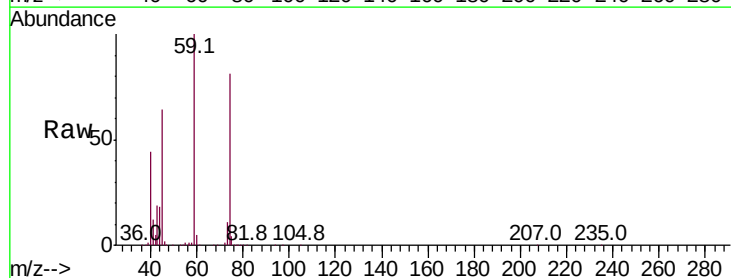
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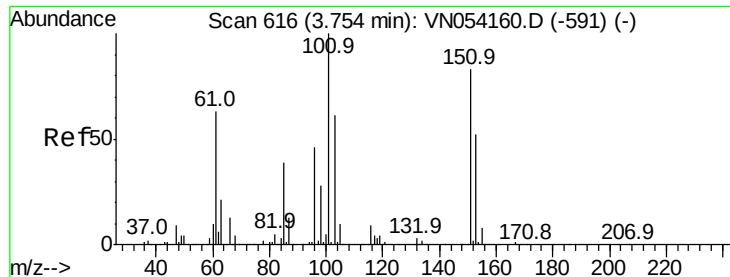


#8

Diethyl Ether
 Concen: 22.002 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.2	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.135 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

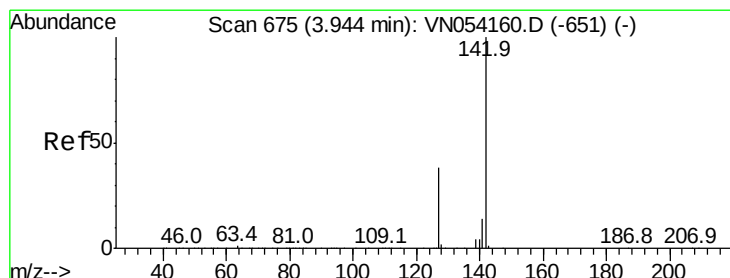
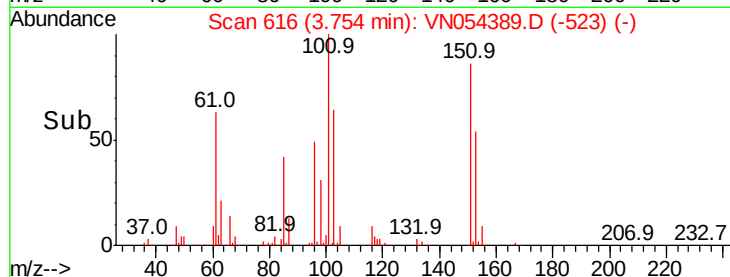
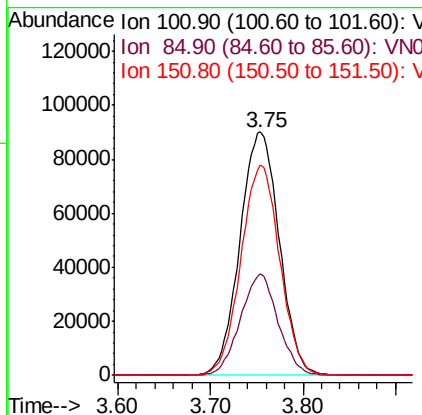
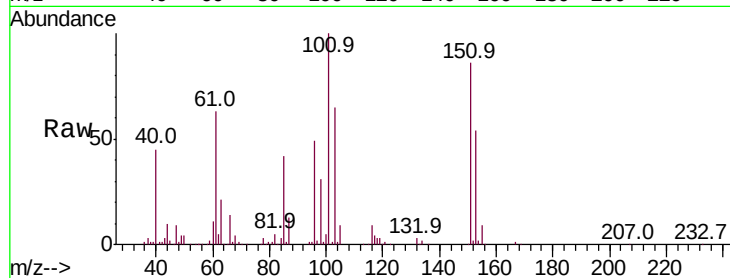
ClientSampleId :

VN0318WBS01

Tot Ion:	101	Resp:	265776
Ion Ratio	Lower	Upper	
101	100		
85	39.9	32.4	48.6
151	85.5	68.2	102.2

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#10

Methyl Iodide

Concen: 19.004 ug/l

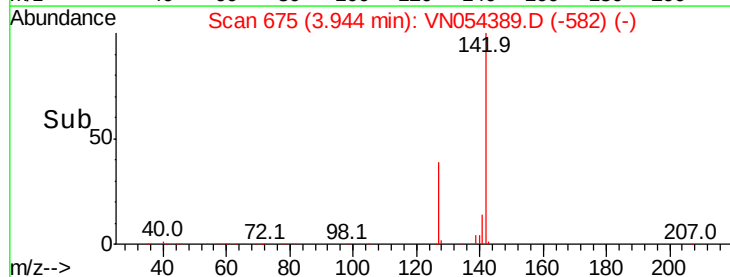
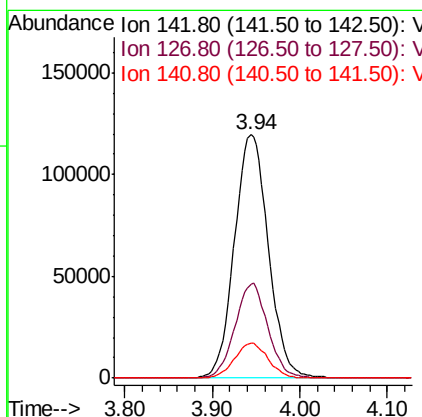
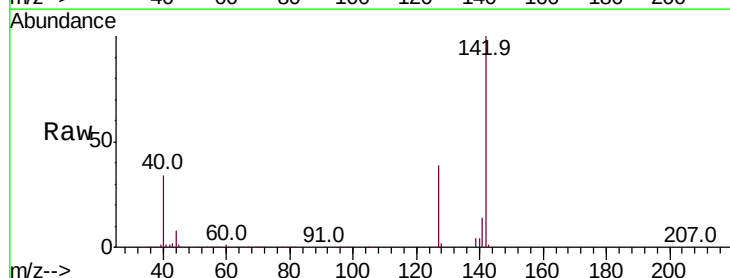
RT: 3.94 min Scan# 675

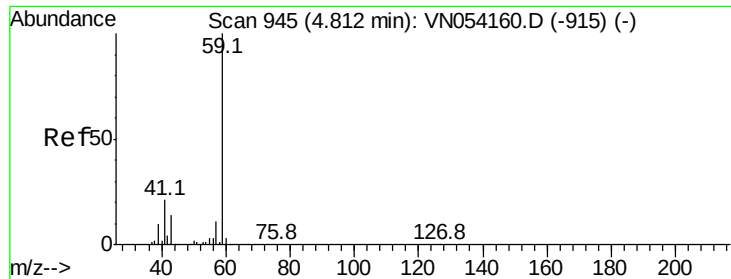
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion:	142	Resp:	322296
Ion Ratio	Lower	Upper	
142	100		
127	37.8	30.3	45.5
141	14.3	11.2	16.8





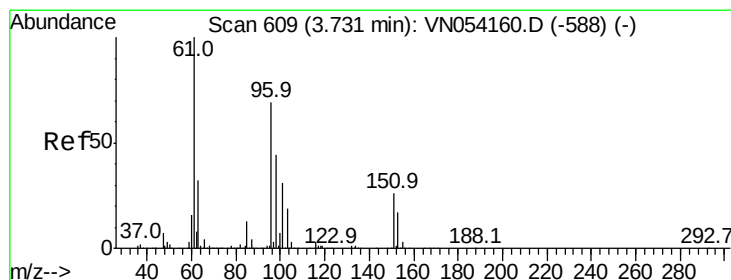
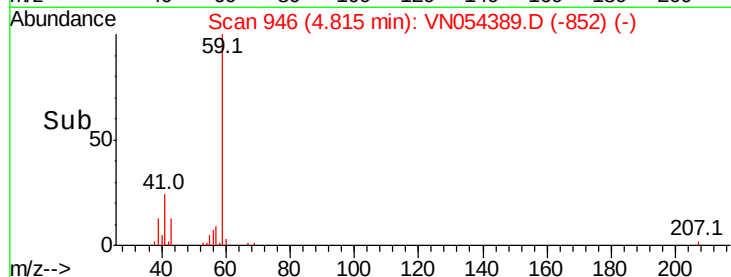
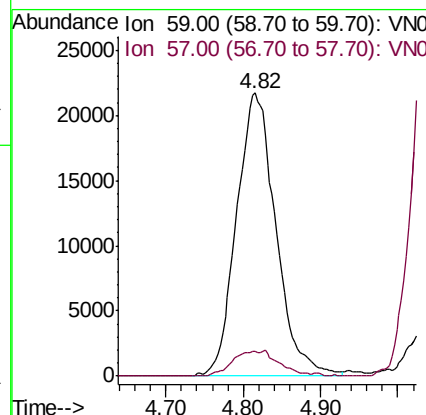
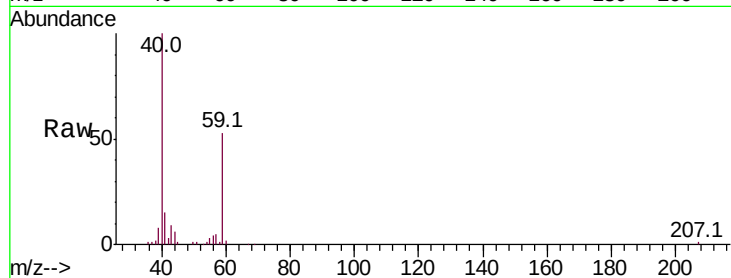
#11
Tert butyl alcohol
Concen: 87.866 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :
VN0318WBS01

Tot Ion: 59 Resp: 76736
Ion Ratio Lower Upper
59 100
57 6.1 9.0 13.6#

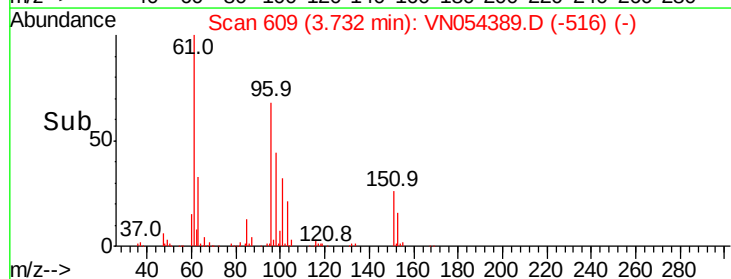
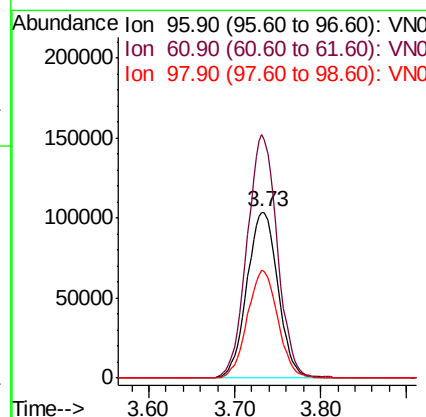
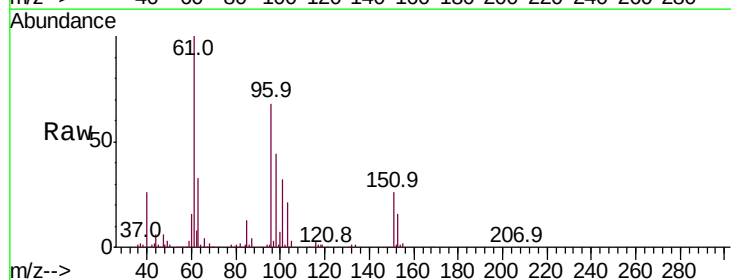
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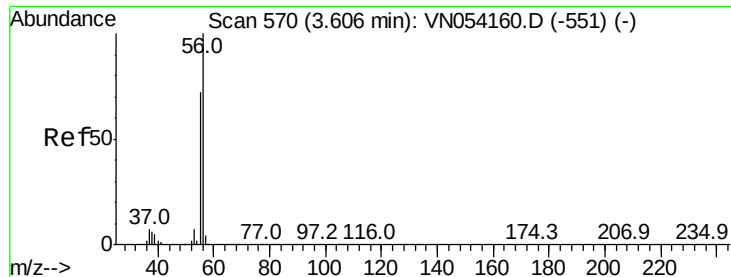
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.930 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 96 Resp: 260829
Ion Ratio Lower Upper
96 100
61 146.5 116.5 174.7
98 64.7 51.0 76.4





#13

Acrolein

Concen: 80.499 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 56 Resp: 66617

Ion Ratio Lower Upper

56 100

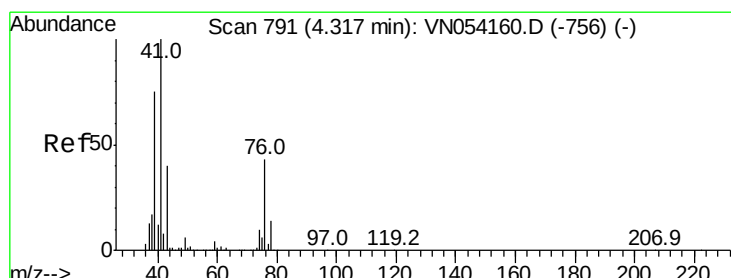
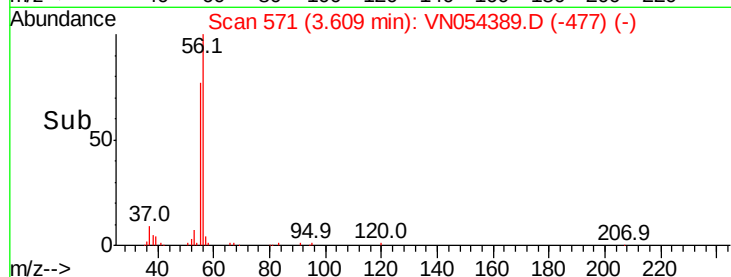
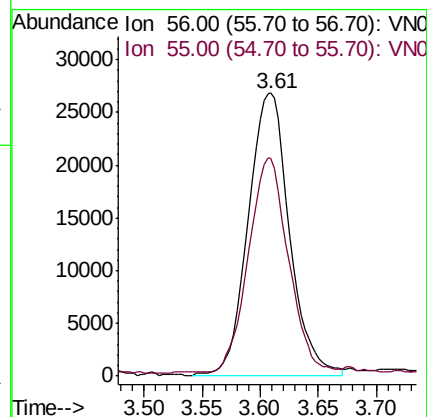
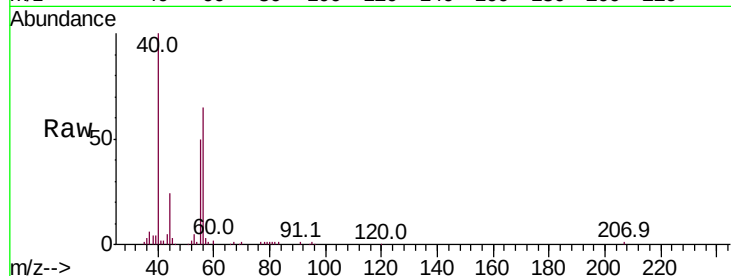
55 73.1 56.7 85.1

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#14

Allyl chloride

Concen: 20.066 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

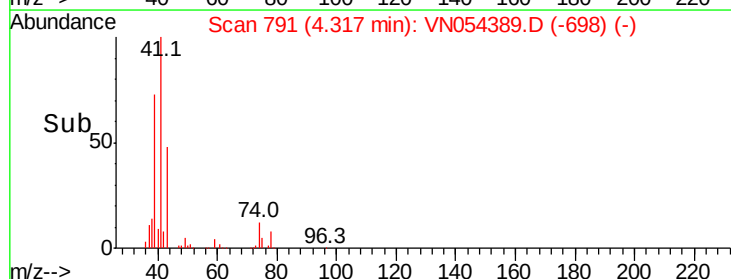
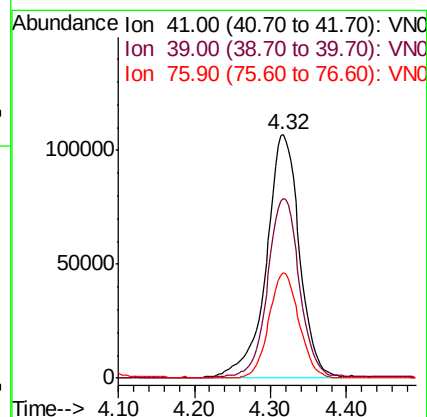
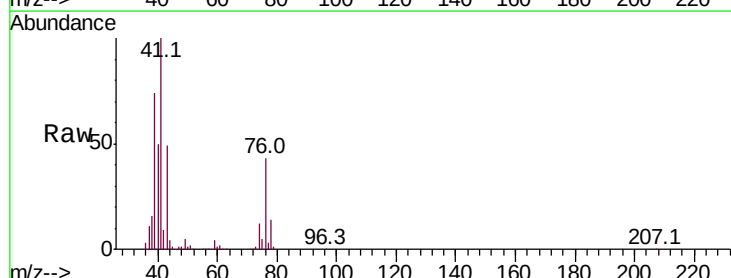
Tgt Ion: 41 Resp: 320845

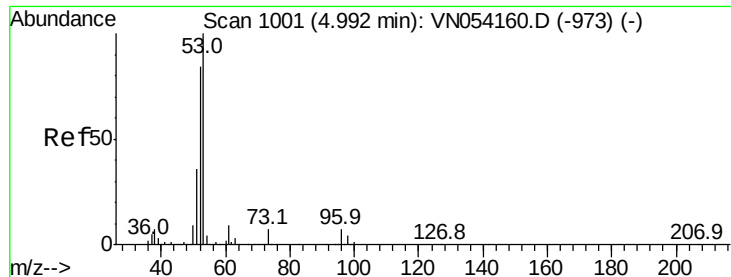
Ion Ratio Lower Upper

41 100

39 70.9 58.2 87.4

76 39.0 31.7 47.5





#15

Acrylonitrile

Concen: 113.228 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

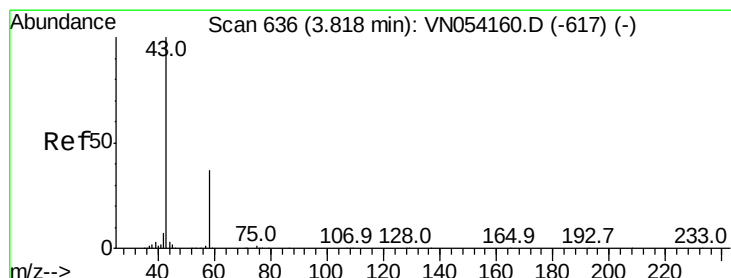
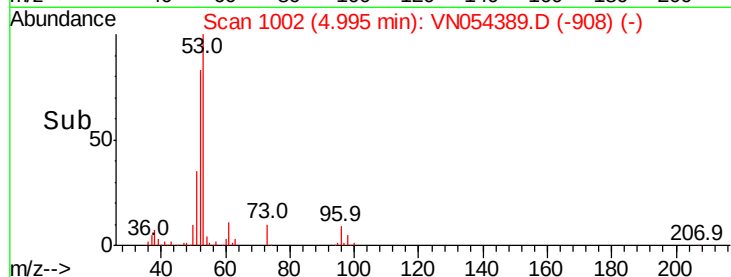
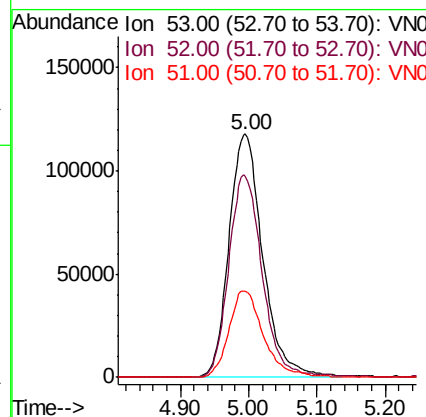
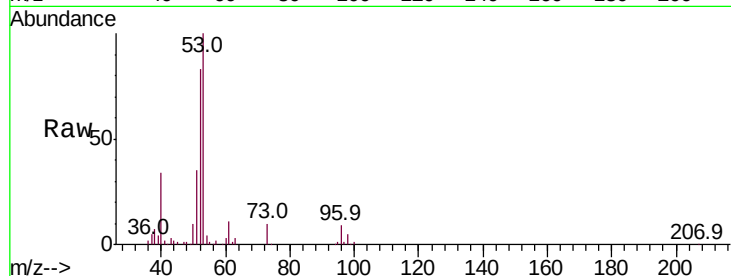
ClientSampleId :

VN0318WBS01

Tot Ion	53	Resp	406191
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.4	99.6
51	36.3	29.6	44.4

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#16

Acetone

Concen: 81.207 ug/l

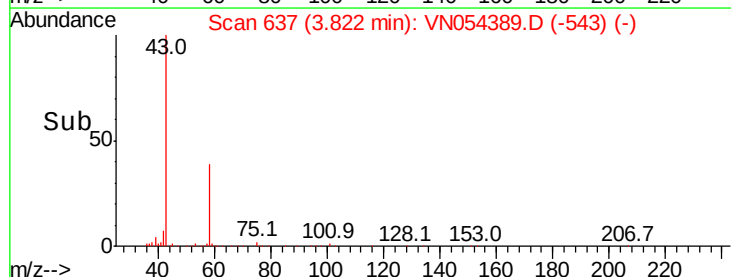
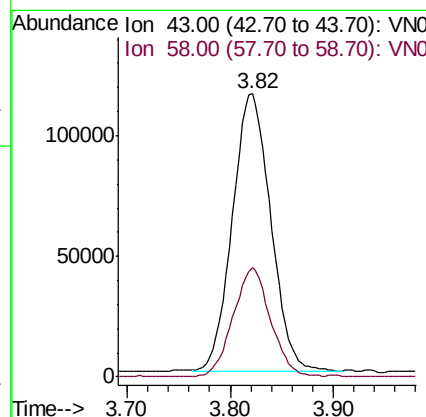
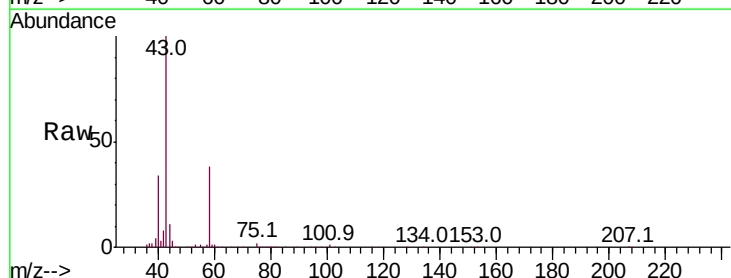
RT: 3.82 min Scan# 637

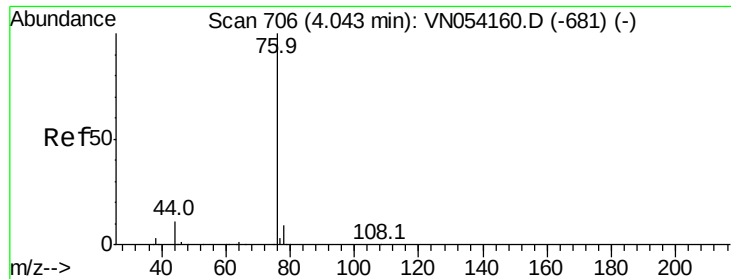
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion	43	Resp	296203
Ion Ratio	Lower	Upper	
43	100		
58	39.1	29.9	44.9





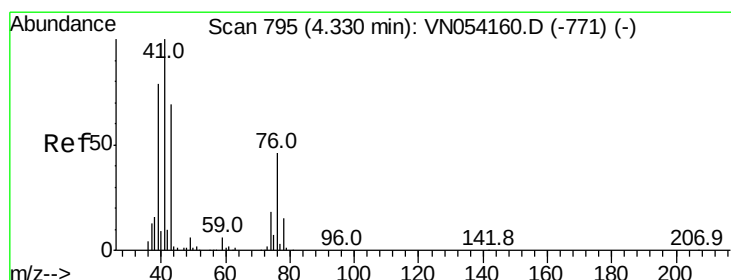
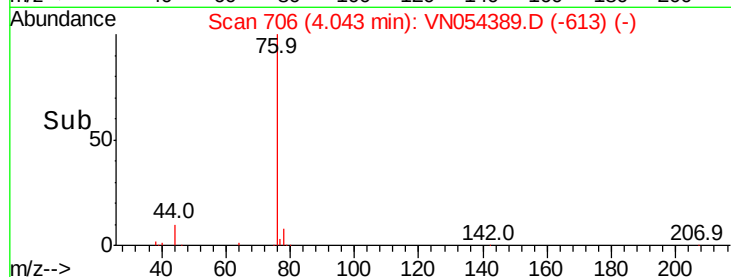
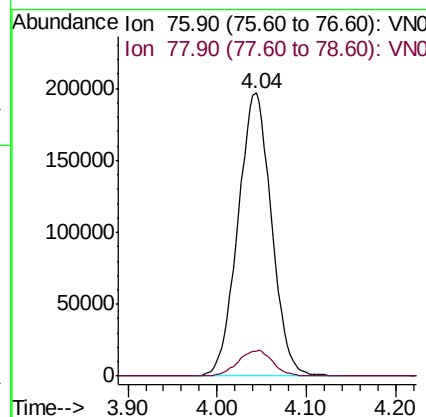
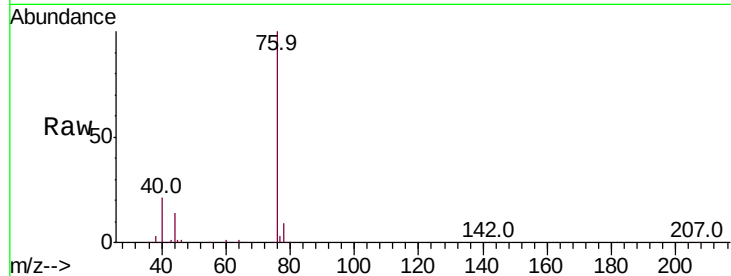
#17
Carbon Disulfide
Concen: 16.448 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

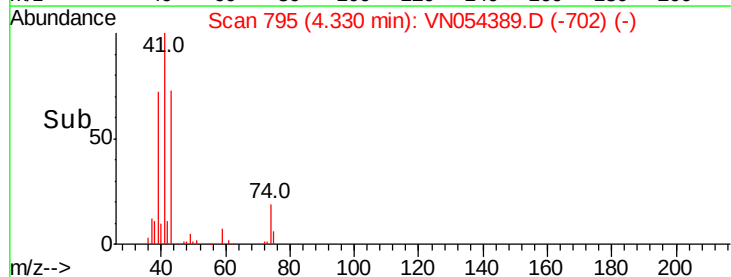
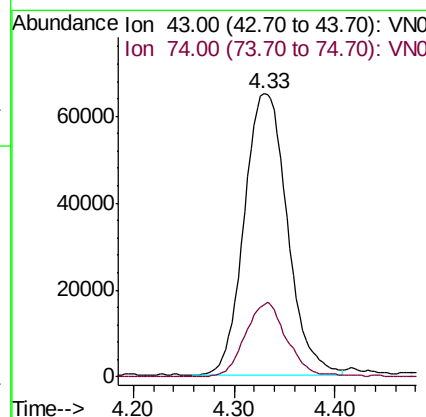
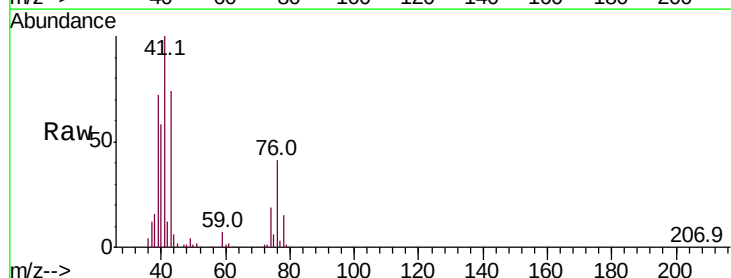
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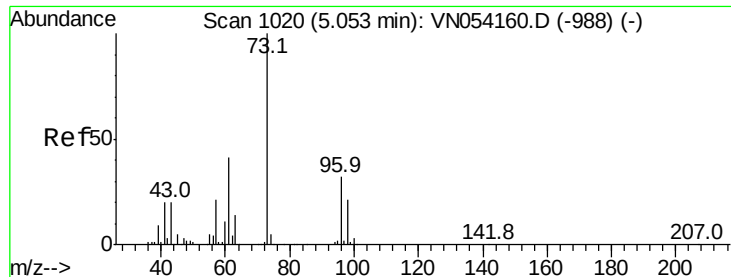
MMDadoda
3/19/2019 9:23:52 AM



#18
Methyl Acetate
Concen: 26.026 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	20.8	31.2





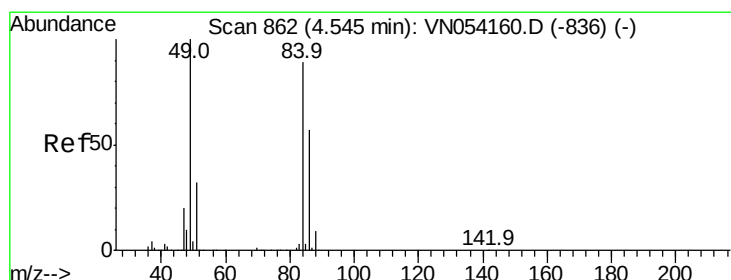
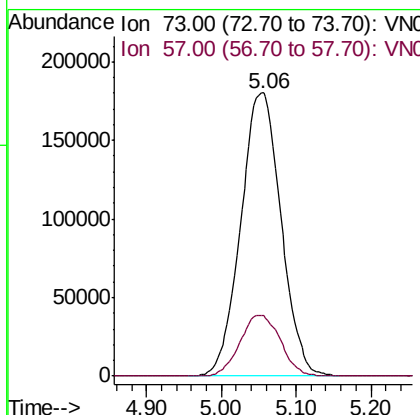
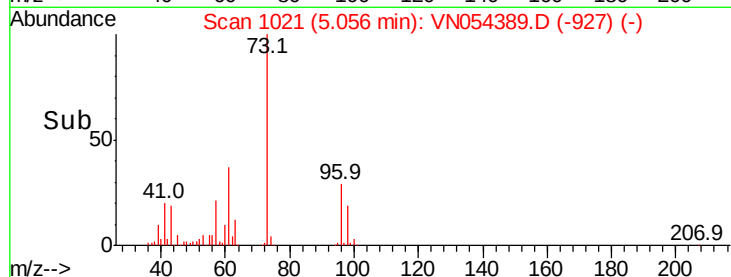
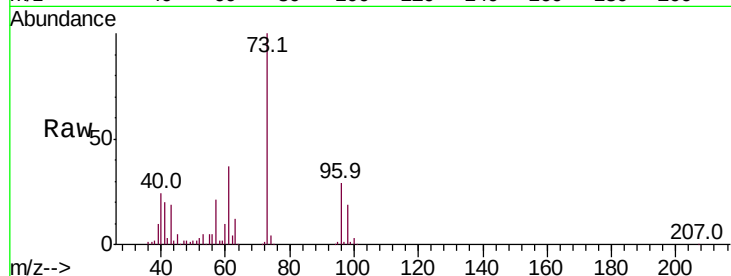
#19
Methyl tert-butyl Ether
Concen: 21.878 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.8	25.2

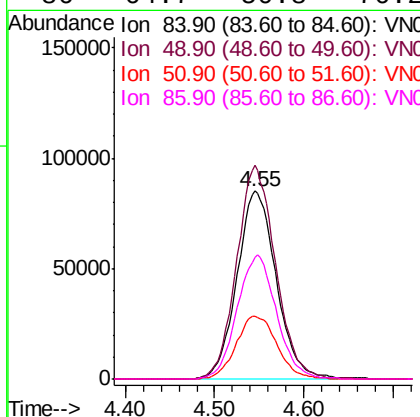
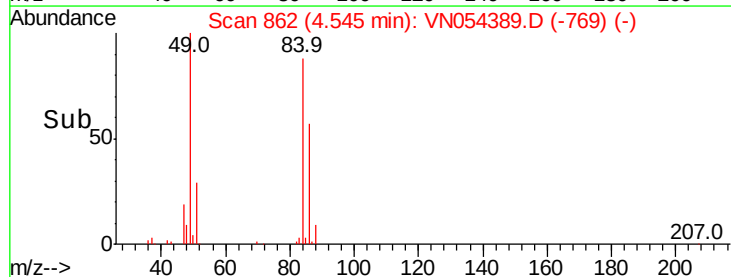
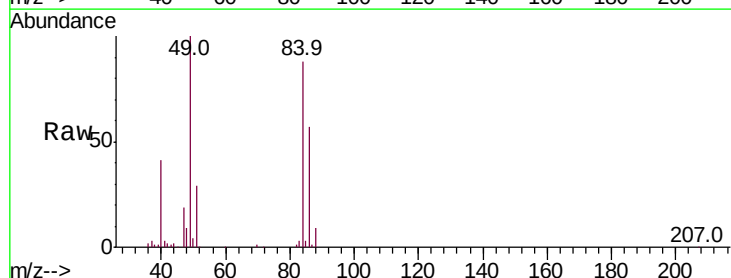
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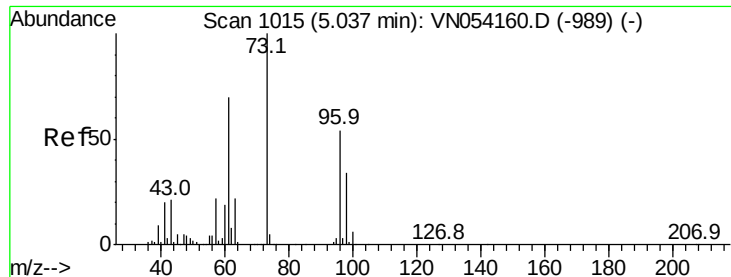
MMDadoda
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#20
Methylene Chloride
Concen: 21.660 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.7	89.7	134.5
51	33.5	28.2	42.4
86	64.7	50.8	76.2





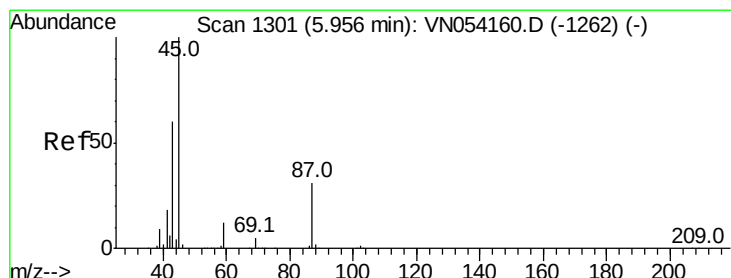
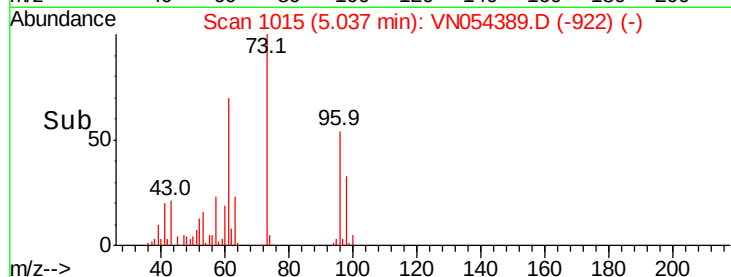
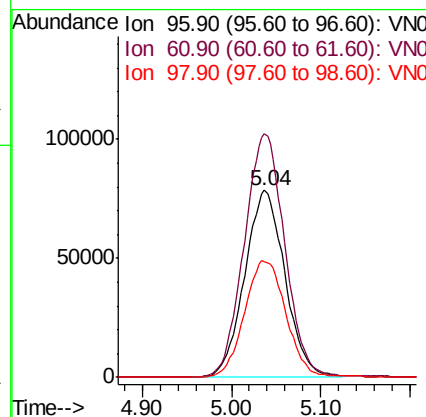
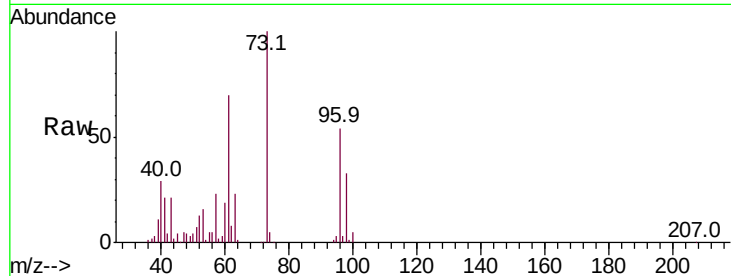
#21
trans-1,2-Dichloroethene
Concen: 20.715 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	102.8	154.2
98	62.0	50.0	75.0

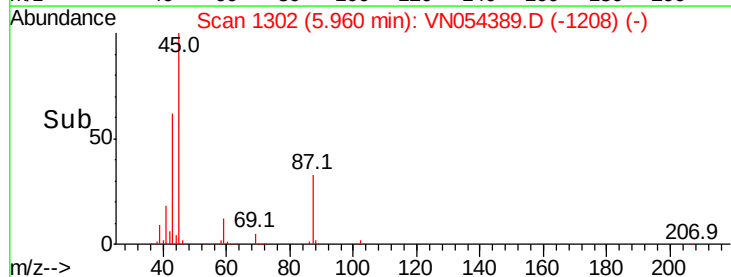
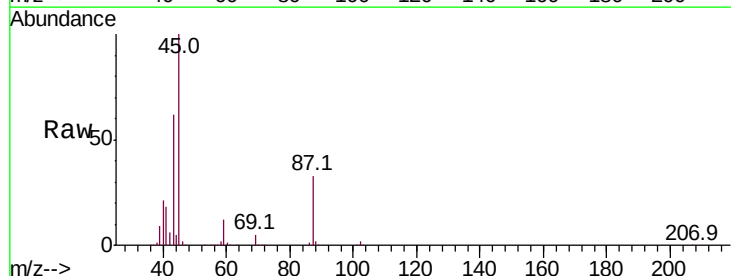
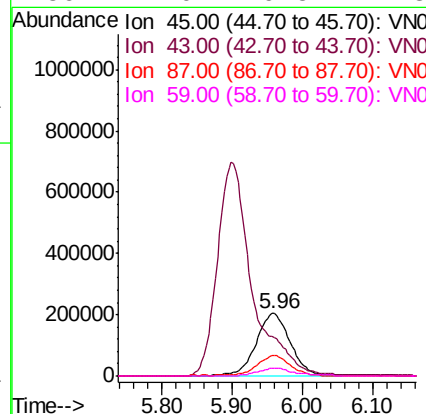
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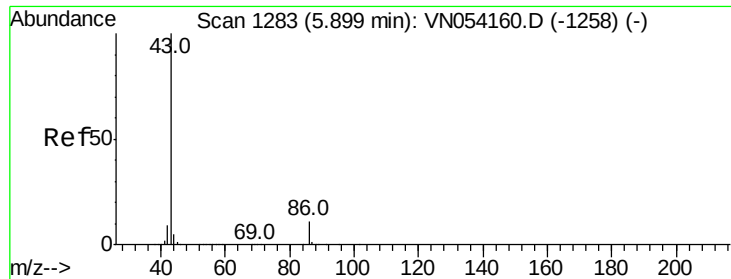
MMDadoda
3/19/2019 9:23:52 AM



#22
Diisopropyl ether
Concen: 21.844 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.2	72.2
87	32.3	24.9	37.3
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 102.285 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 43 Resp: 2406598

Ion Ratio Lower Upper

43 100

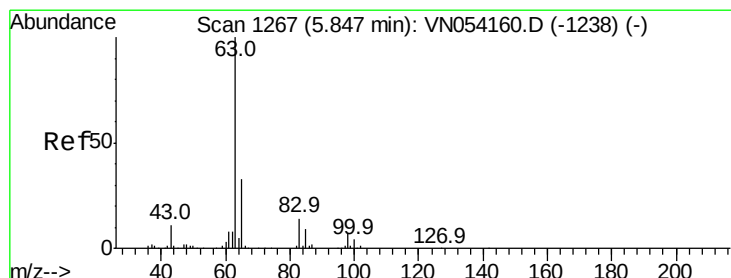
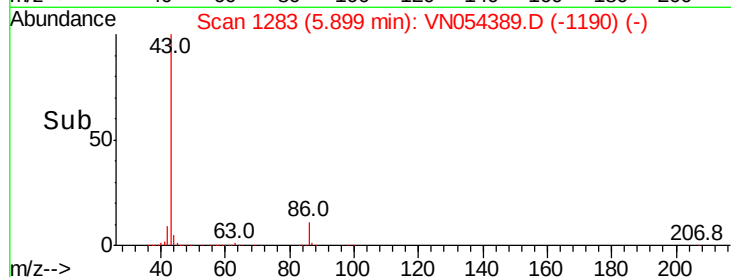
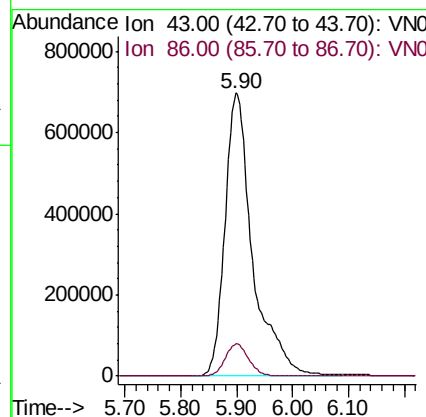
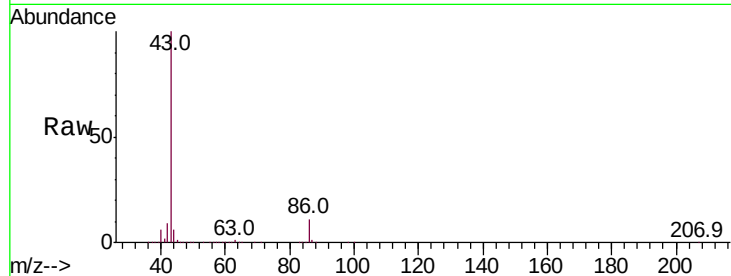
86 11.4 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.747 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

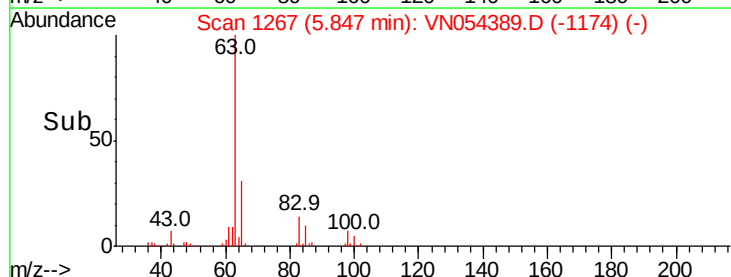
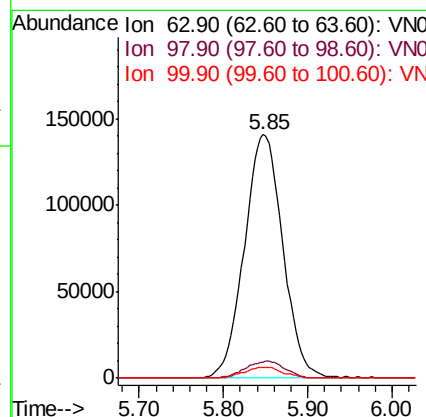
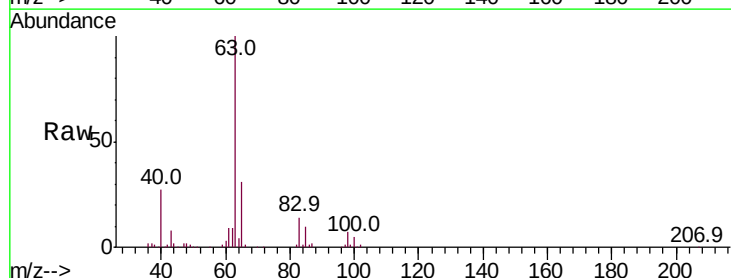
Tgt Ion: 63 Resp: 445594

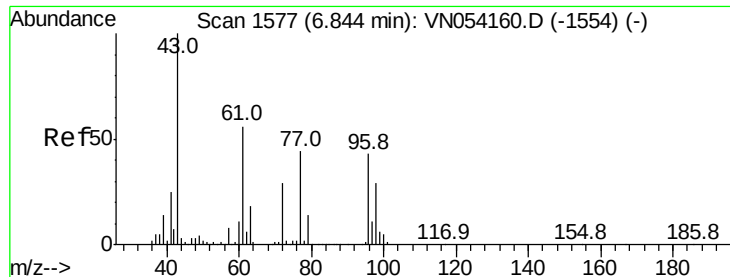
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 107.331 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 43 Resp: 459493

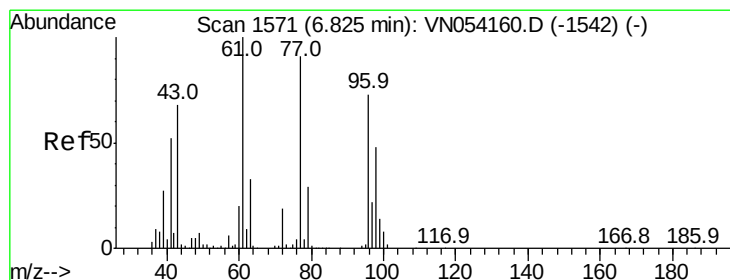
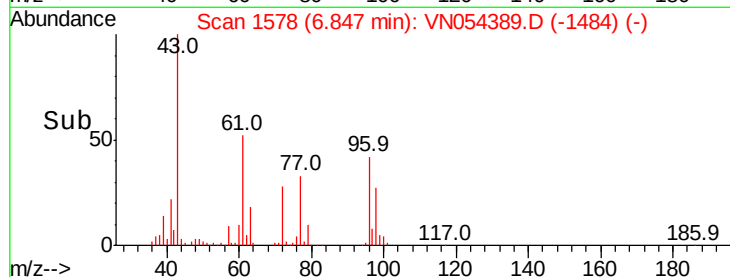
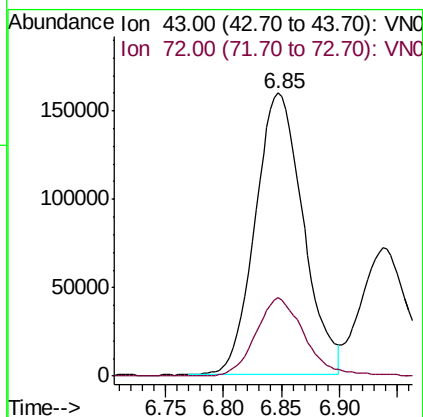
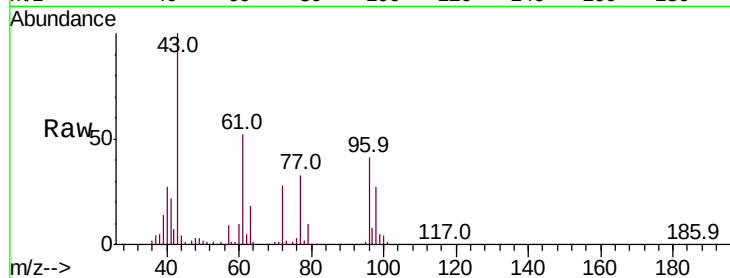
Ion Ratio Lower Upper

43 100

72 27.9 23.0 34.6

Manual Integrations
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3/19/2019 9:23:52 AM



#26

2,2-Dichloropropane

Concen: 16.906 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054389.D

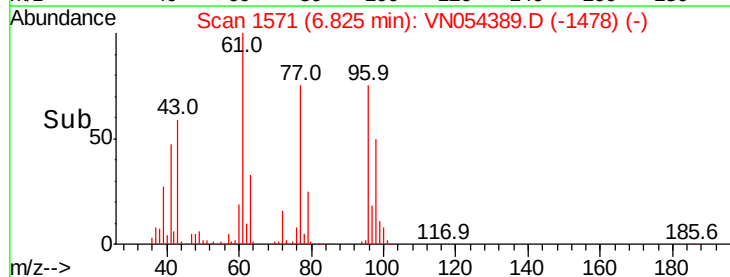
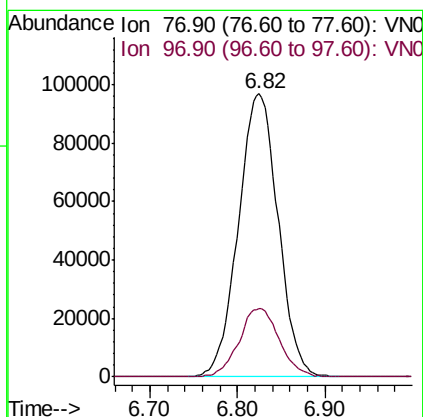
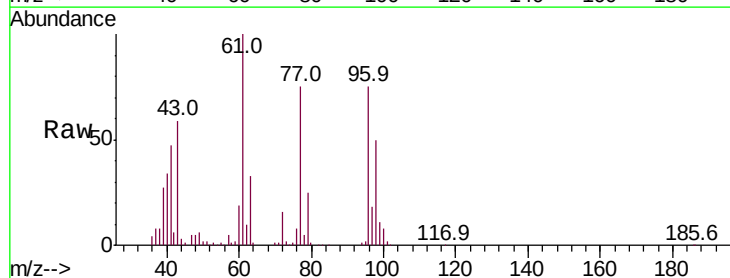
Acq: 18 Mar 2019 13:05

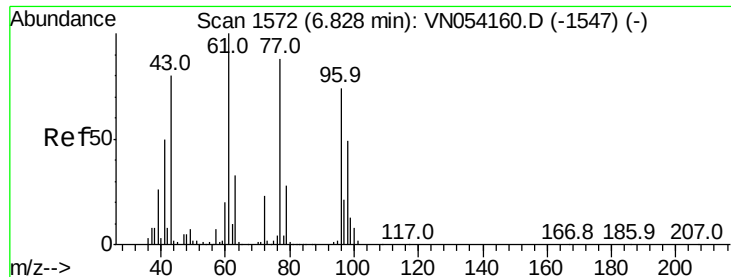
Tgt Ion: 77 Resp: 304623

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.077 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

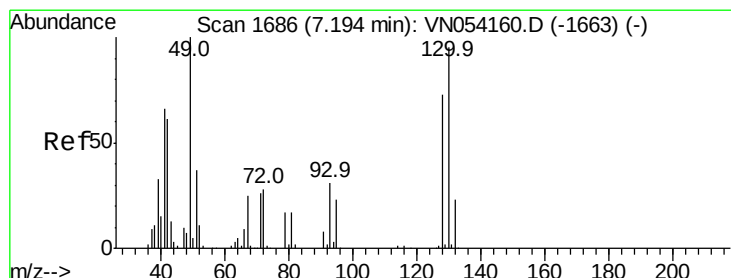
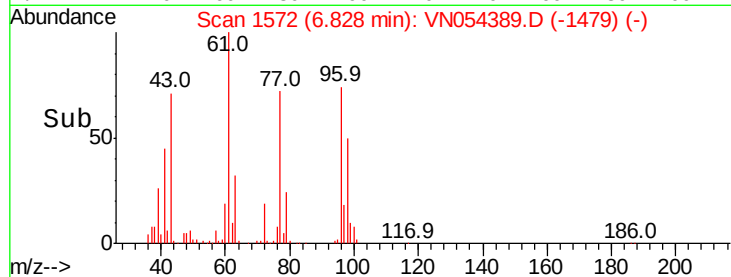
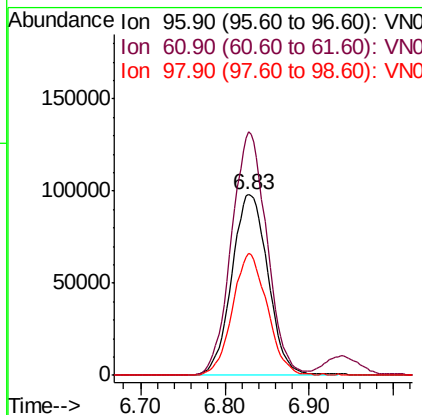
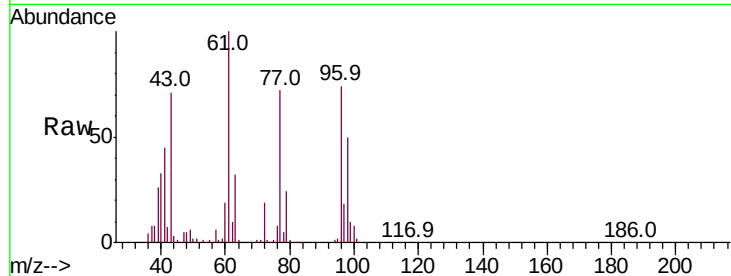
ClientSampleId :

VN0318WBS01

Tot Ion	96	Resp	294080
Ion	Ratio	Lower	Upper
96	100		
61	131.3	0.0	273.0
98	64.7	0.0	130.6

Manual Integrations
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MMDadoda
3/19/2019 9:23:52 AM



#28

Bromochloromethane

Concen: 21.736 ug/l

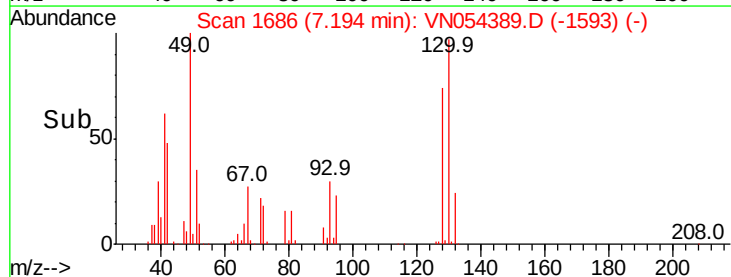
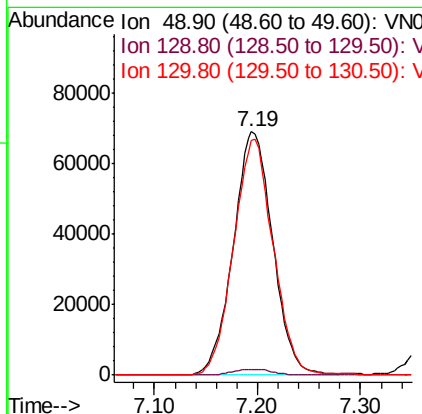
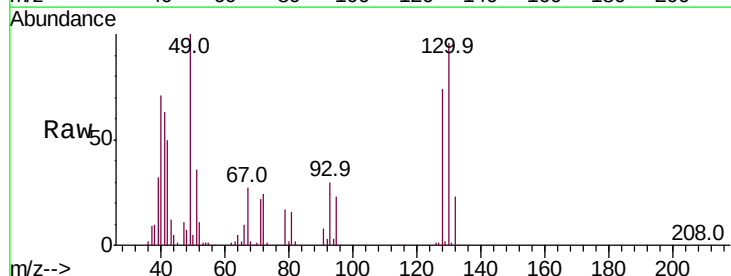
RT: 7.19 min Scan# 1686

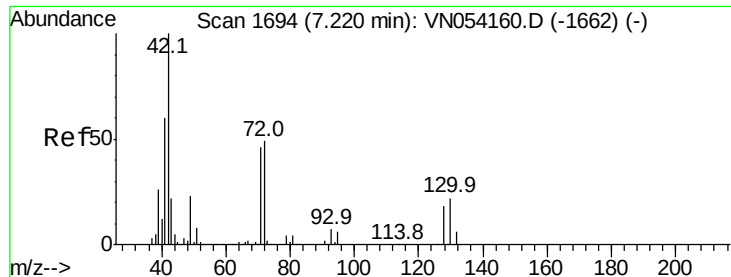
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion	49	Resp	182072
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	97.9	76.7	115.1





#29

Tetrahydrofuran

Concen: 107.129 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

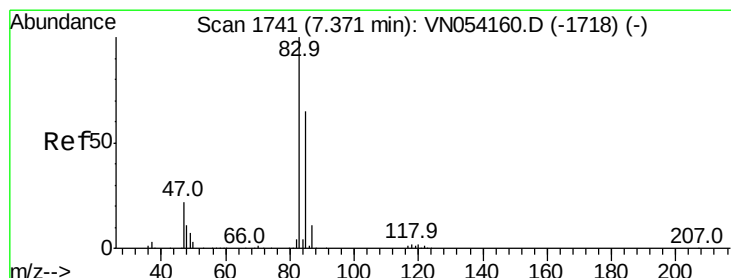
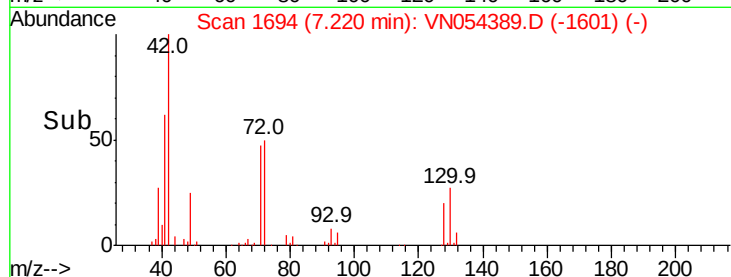
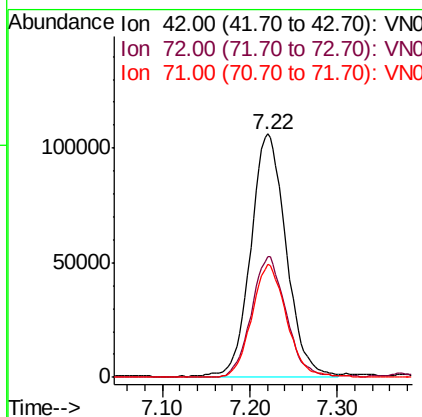
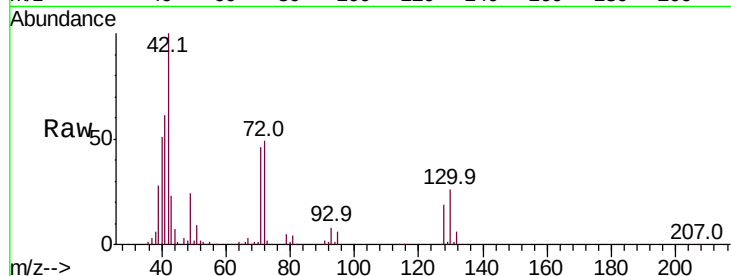
ClientSampleId :

VN0318WBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	294881		
72	48.7		37.8	56.6
71	46.3		36.2	54.2

Manual Integrations
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MMDadoda
3/19/2019 9:23:52 AM



#30

Chloroform

Concen: 22.200 ug/l

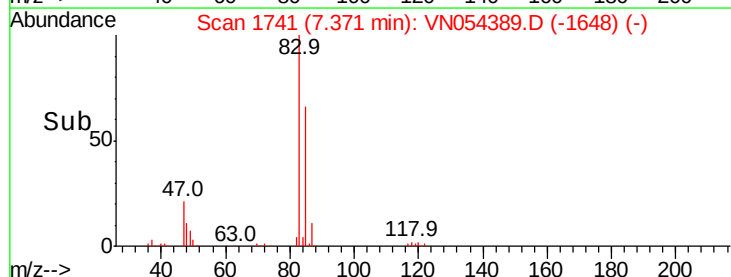
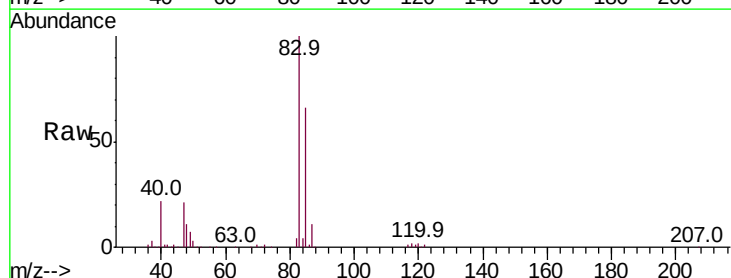
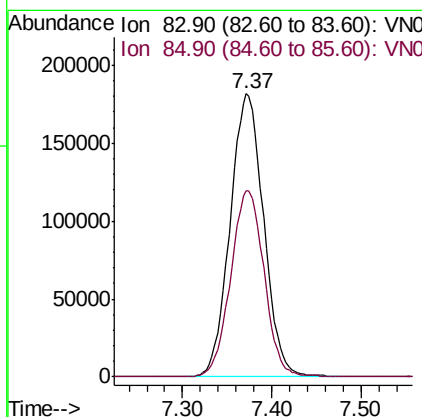
RT: 7.37 min Scan# 1741

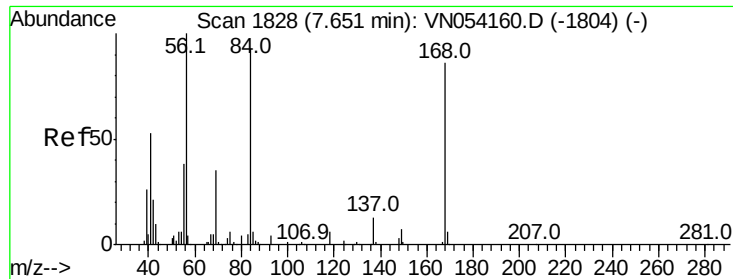
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	474650		
85	65.9		52.2	78.4





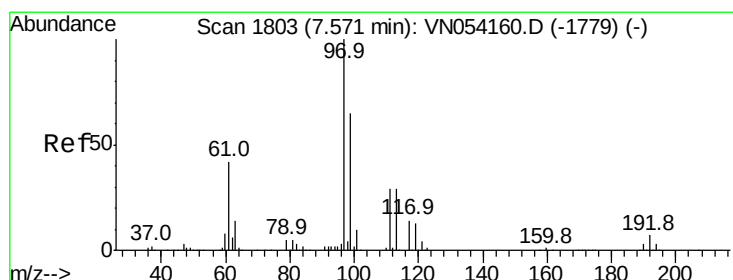
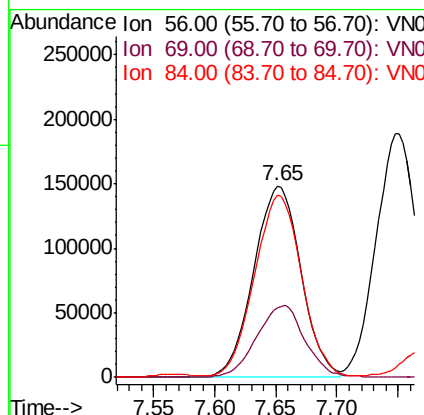
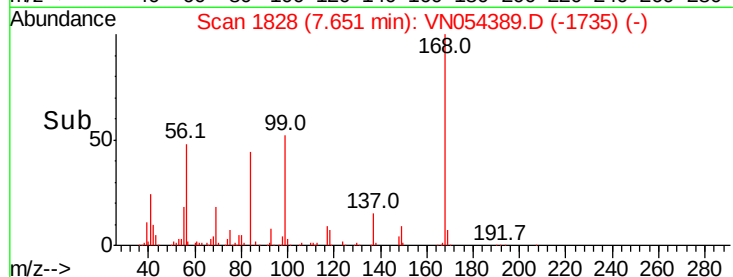
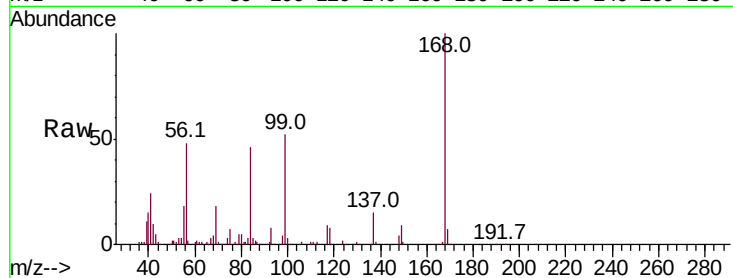
#31
Cyclohexane
Concen: 20.097 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	27.8	41.6
84	94.0	74.6	111.8

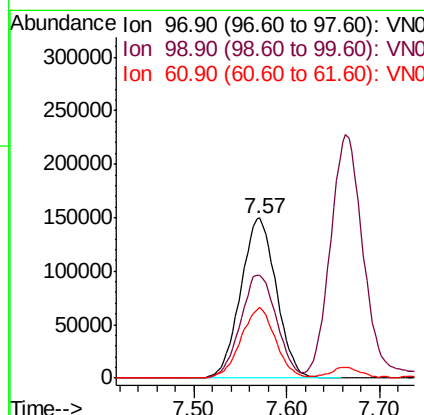
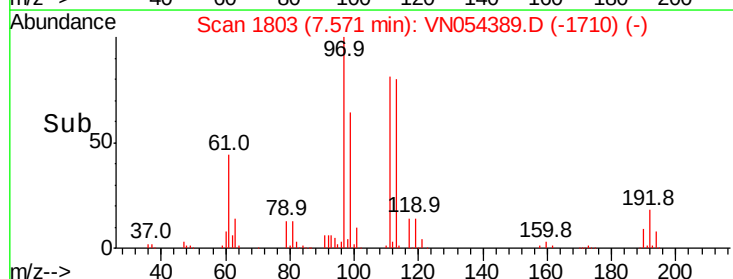
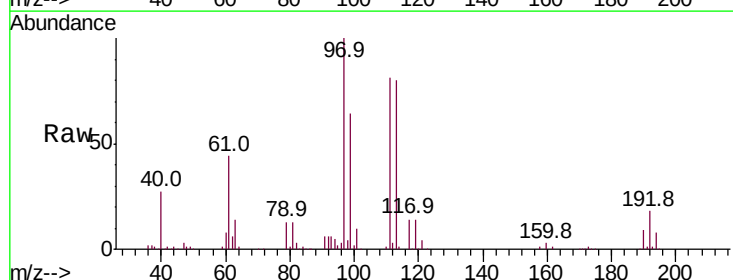
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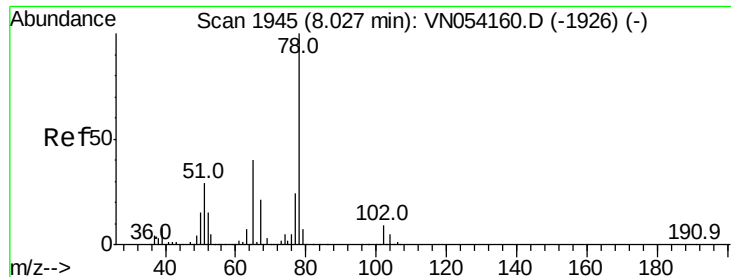
MMDadoda
3/19/2019 9:23:52 AM



#32
1,1,1-Trichloroethane
Concen: 20.627 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.5	77.3
61	42.7	33.6	50.4





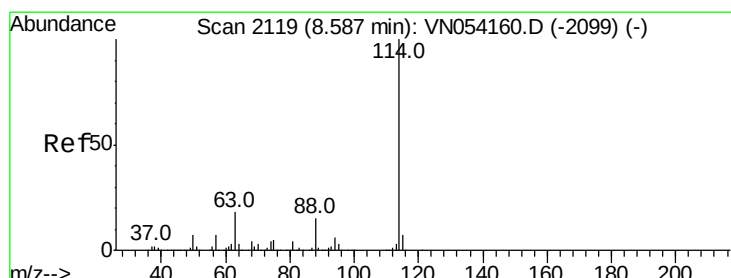
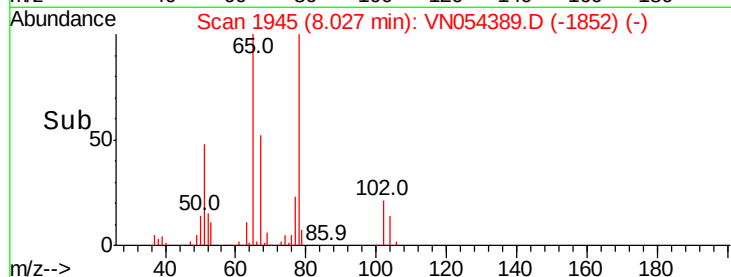
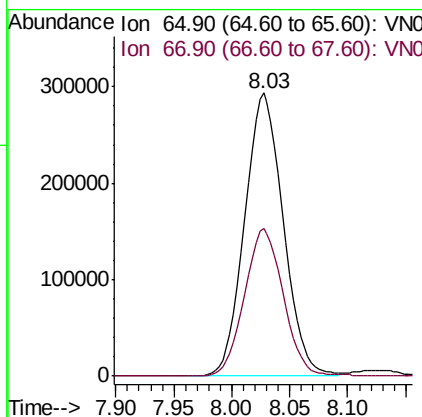
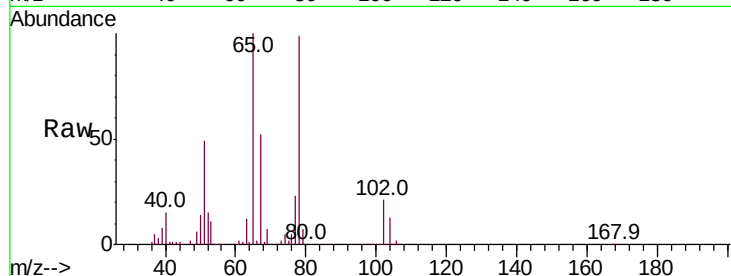
#33
 1,2-Dichloroethane-d4
 Concen: 53.527 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	681891		
67	52.4	0.0	104.6	

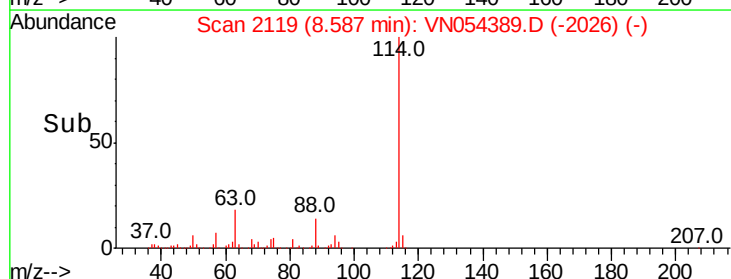
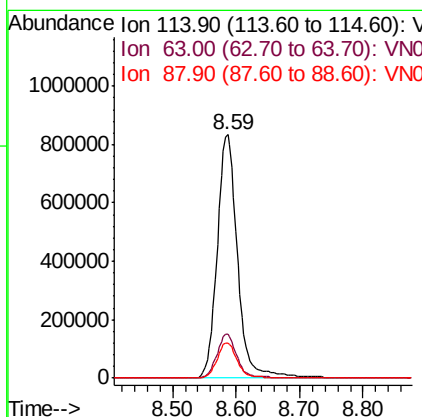
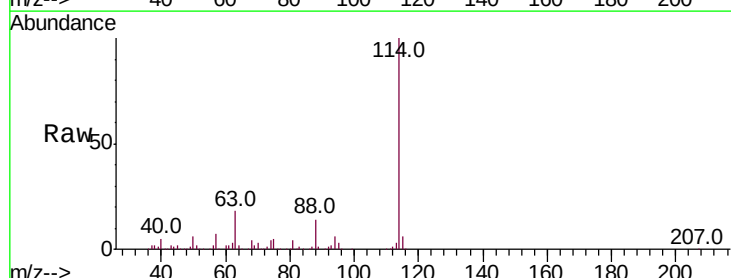
Manual Integrations
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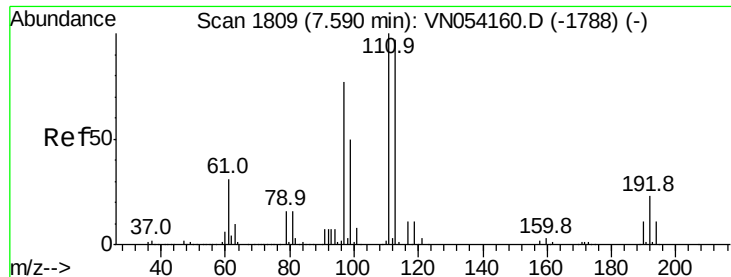
MMDadoda
 3/19/2019 9:23:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1852036		
63	17.9	0.0	35.2	
88	14.5	0.0	30.2	





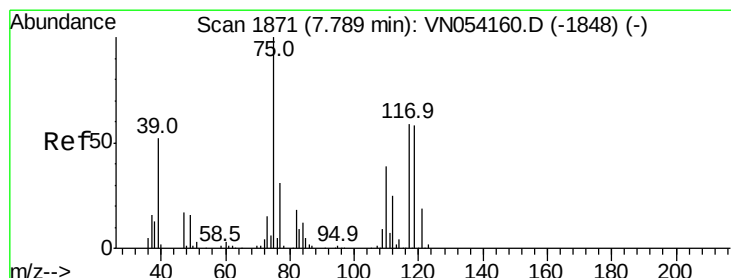
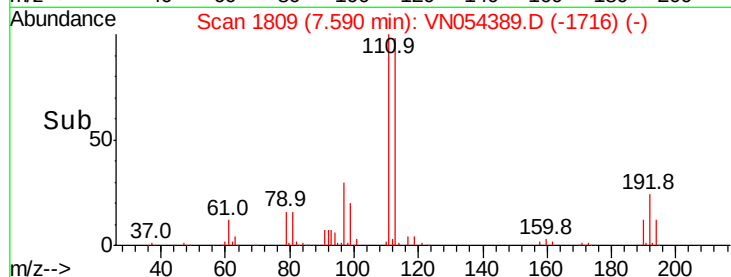
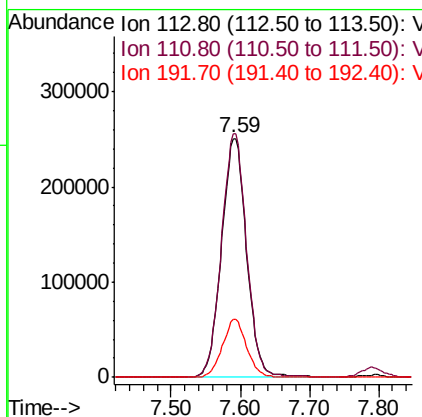
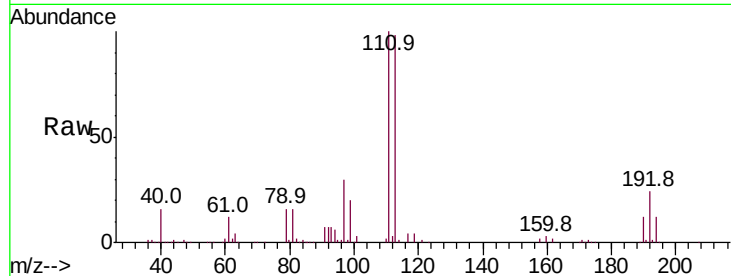
#35
Dibromofluoromethane
Concen: 53.061 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	633801		
111	101.6	82.2	123.4	
192	23.5	19.2	28.8	

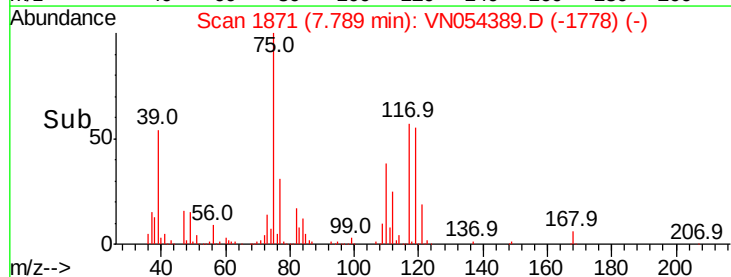
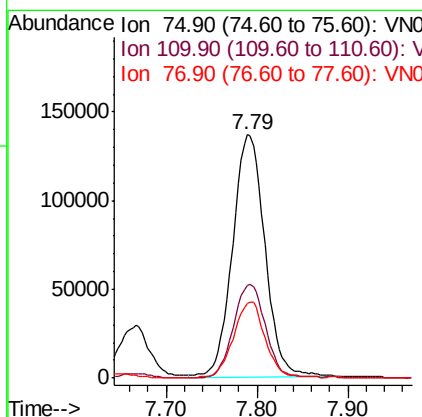
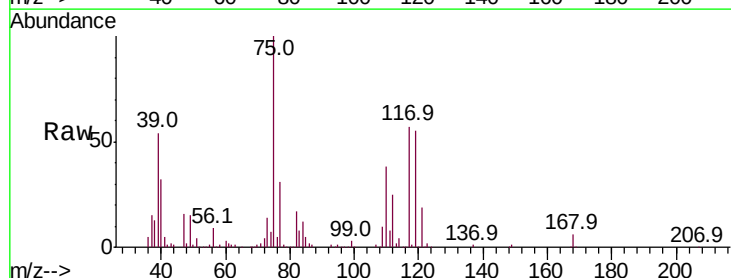
Manual Integrations
APPROVED

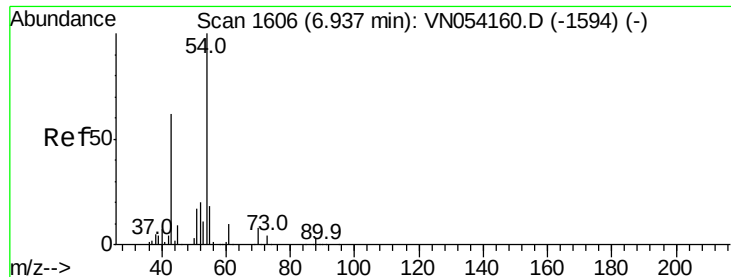
MMDadoda
3/19/2019 9:23:52 AM



#36
1,1-Dichloropropene
Concen: 19.770 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	337187		
110	38.4	19.1	57.5	
77	31.2	25.0	37.4	





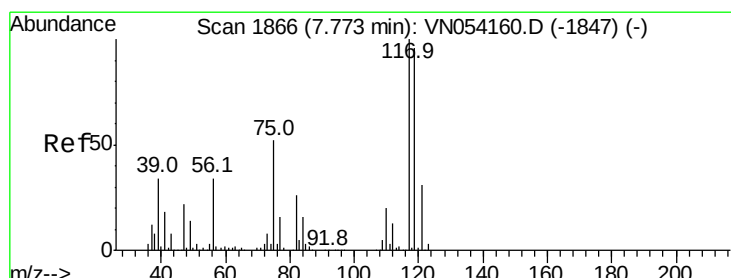
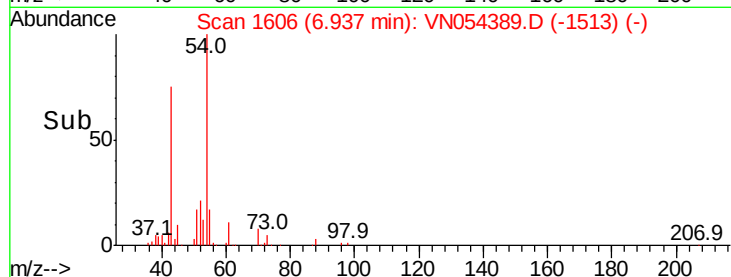
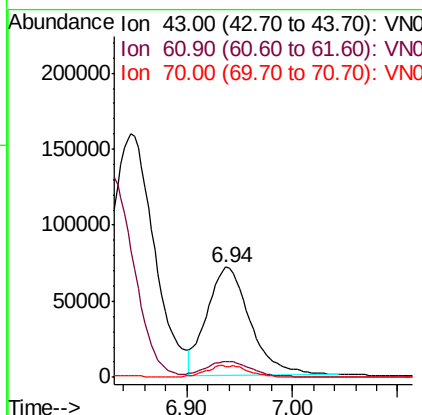
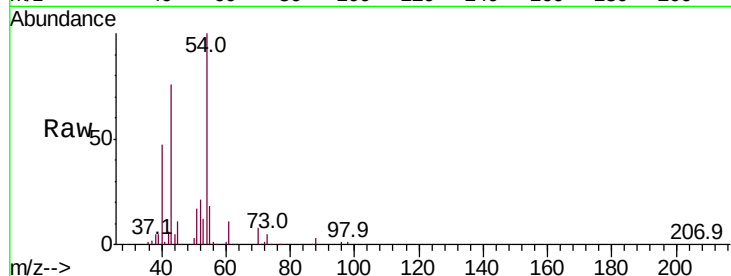
#37
Ethyl Acetate
Concen: 20.801 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	10.0	8.4	12.6

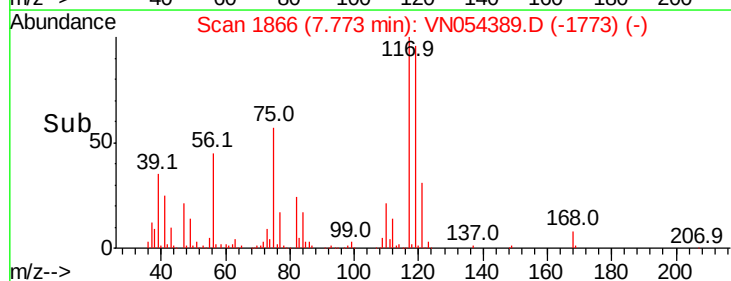
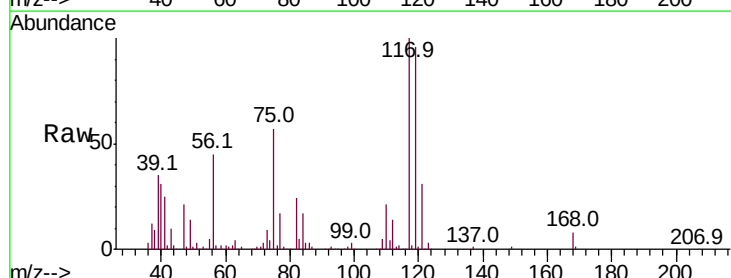
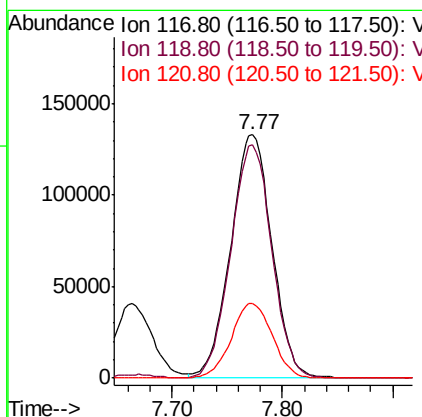
Manual Integrations
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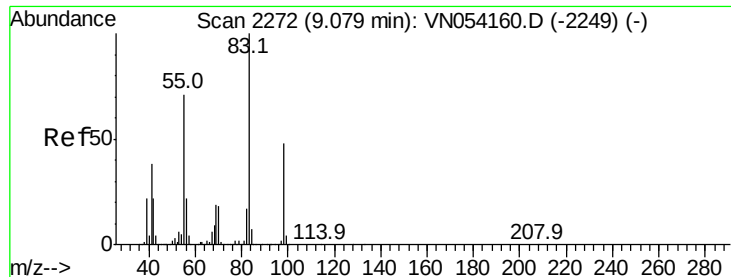
MMDadoda
3/19/2019 9:23:52 AM



#38
Carbon Tetrachloride
Concen: 19.142 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

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





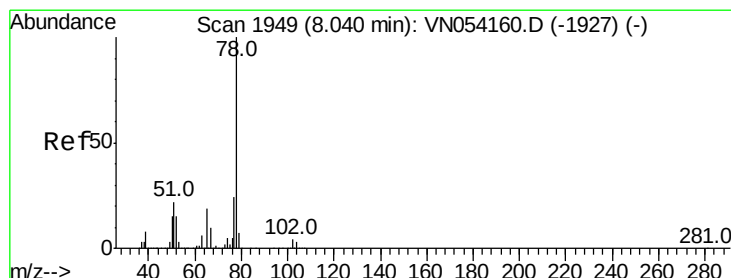
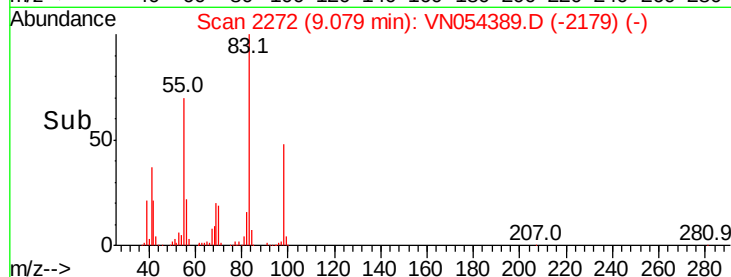
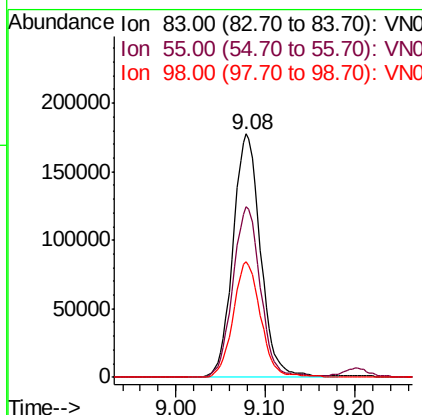
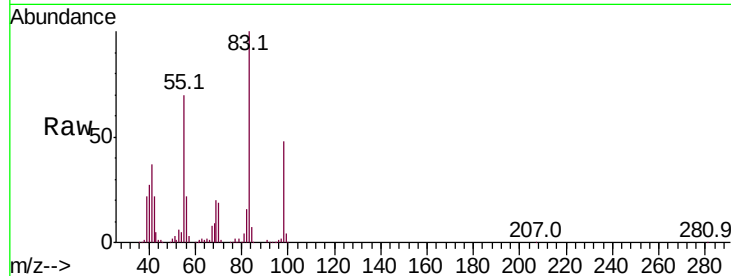
#39
Methylvlcyclohexane
Concen: 18.181 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	83	Resp	381519
Ion Ratio	100	Lower	Upper
83	100		
55	70.0	56.6	84.8
98	47.6	38.4	57.6

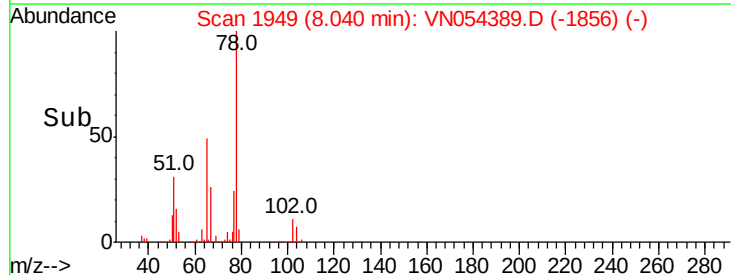
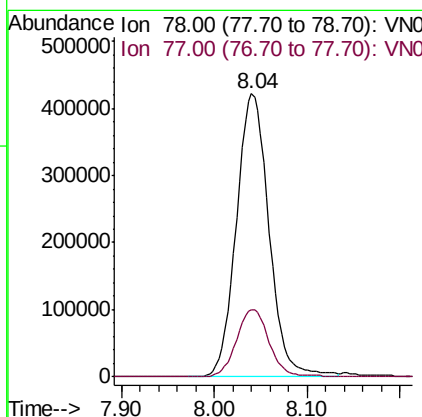
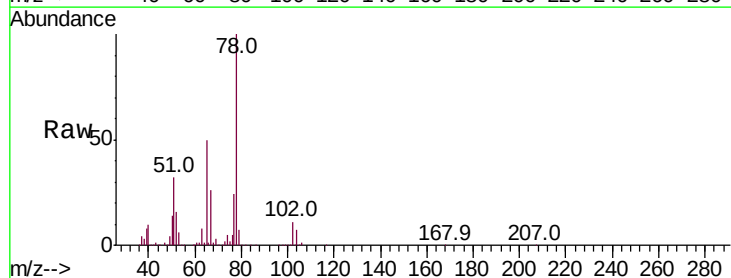
Manual Integrations
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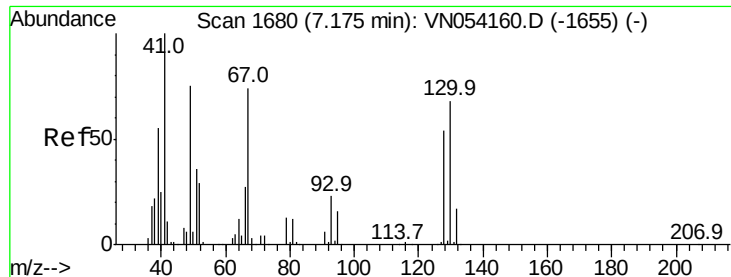
MMDadoda
3/19/2019 9:23:52 AM



#40
Benzene
Concen: 21.158 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	78	Resp	1032644
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.1	28.7





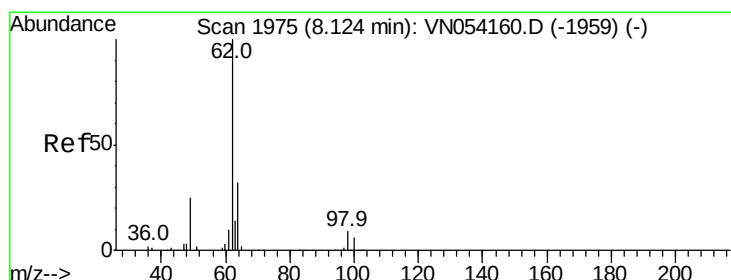
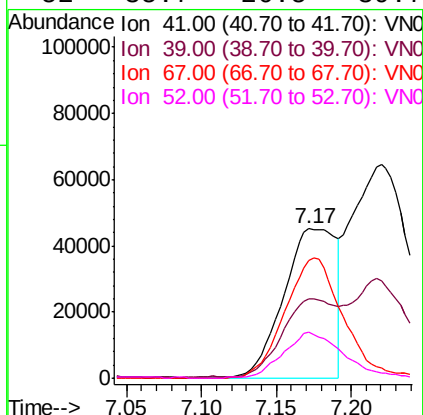
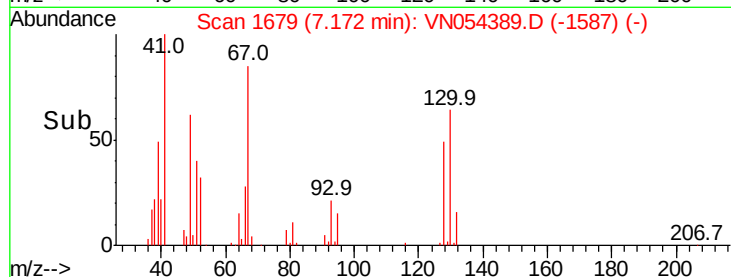
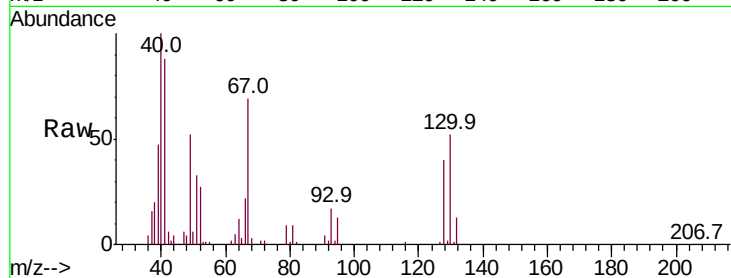
#41
Methacrylonitrile
Concen: 19.723 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :
VN0318WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	46.8	70.2	
67	89.3	67.0	100.4	
52	35.7	26.5	39.7	

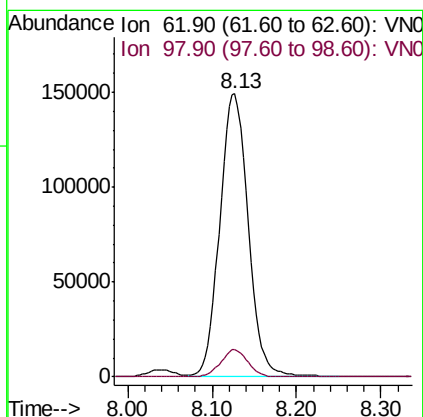
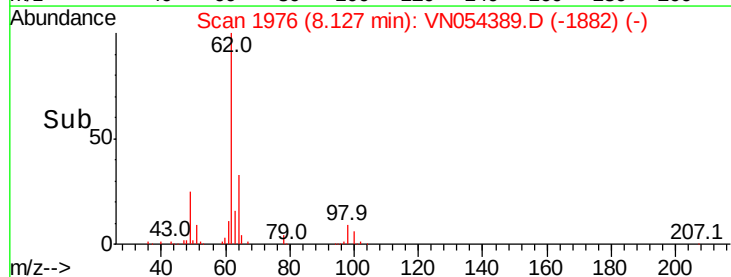
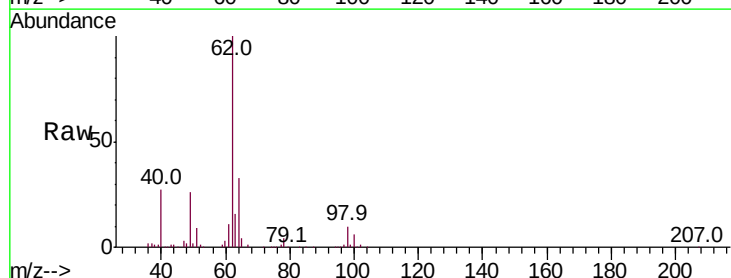
Manual Integrations
APPROVED

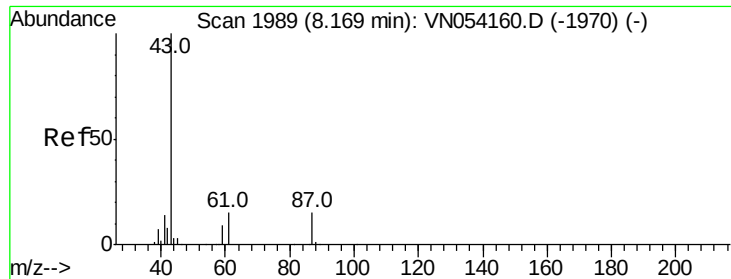
MMDadoda
3/19/2019 9:23:52 AM



#42
1,2-Dichloroethane
Concen: 21.184 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	18.4	





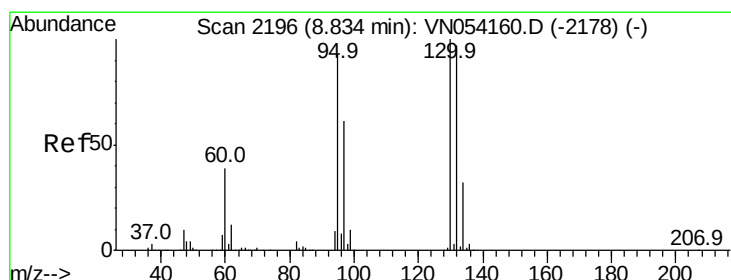
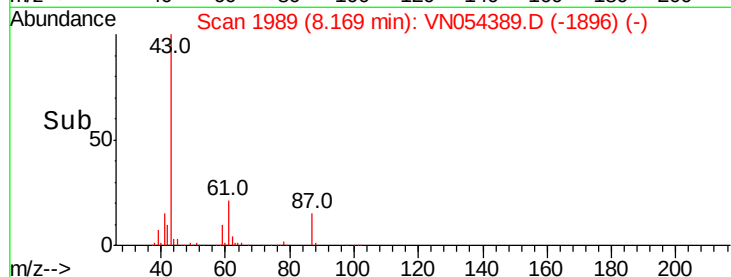
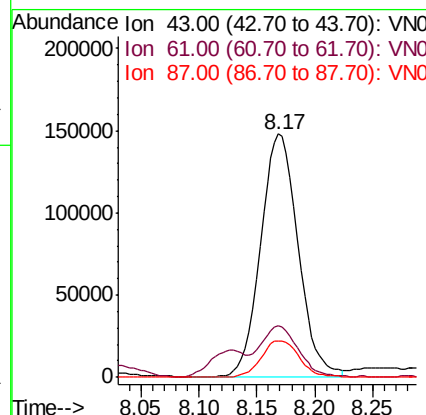
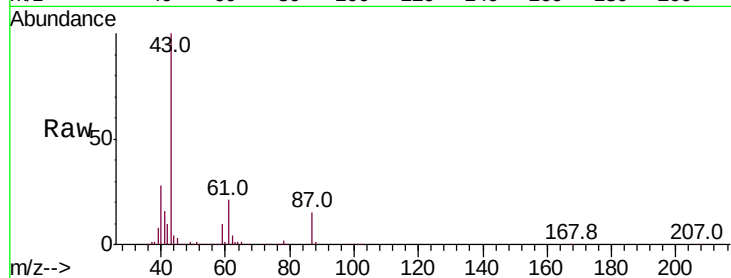
#43
Isopropyl Acetate
Concen: 19.272 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	15.8	23.8
87	15.5	12.0	18.0

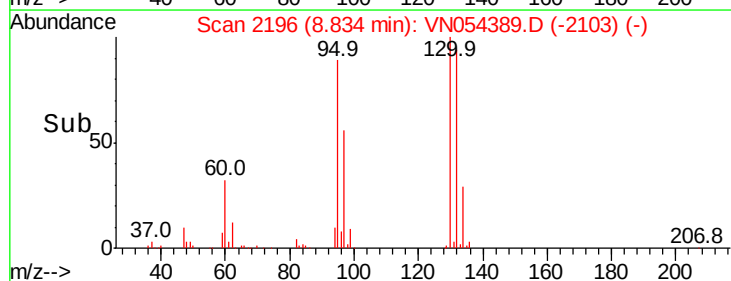
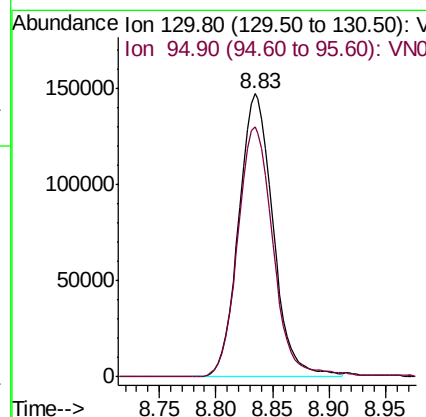
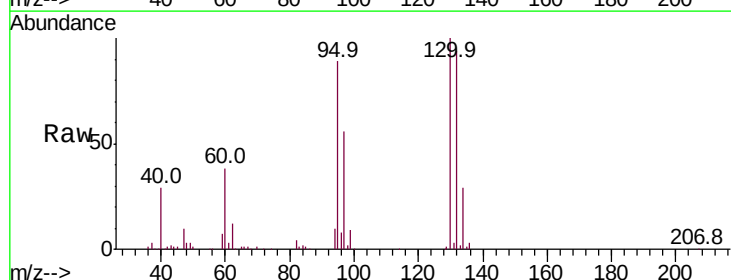
Manual Integrations
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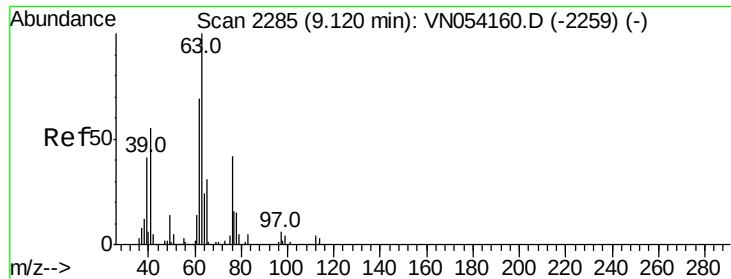
MMDadoda
3/19/2019 9:23:52 AM



#44
Trichloroethene
Concen: 20.580 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	185.2





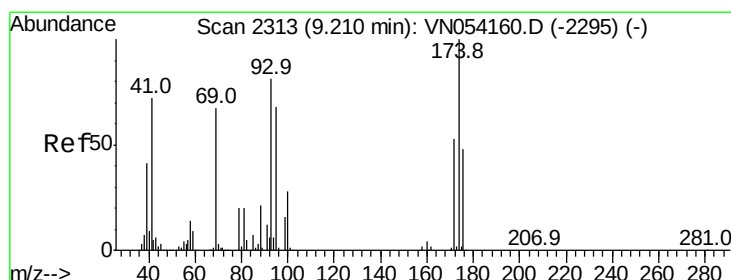
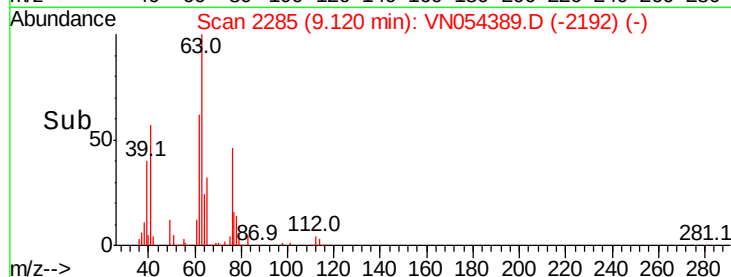
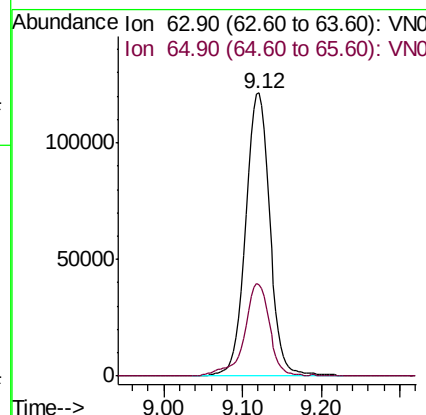
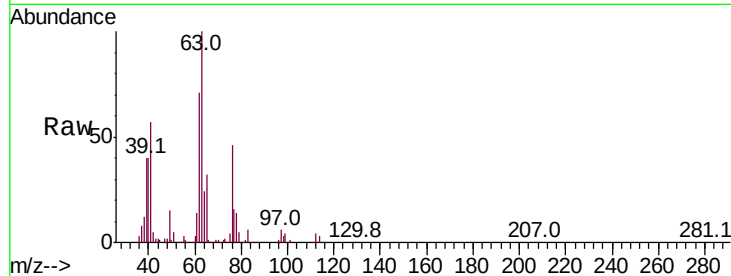
#45
 1,2-Dichloropropane
 Concen: 21.654 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.0	37.6

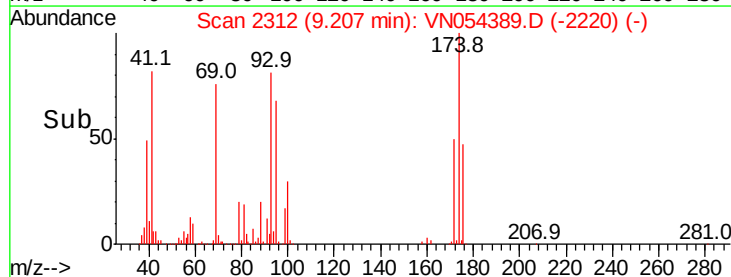
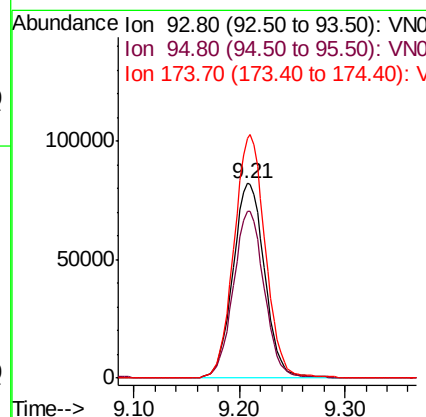
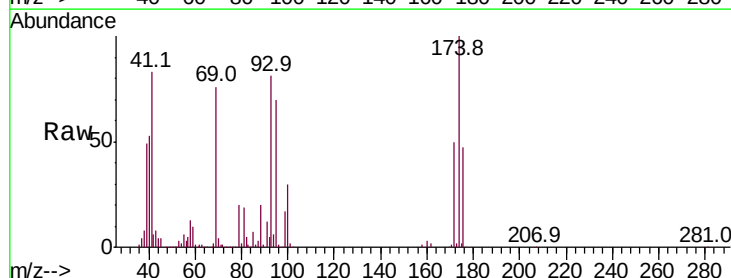
Manual Integrations
 APPROVED

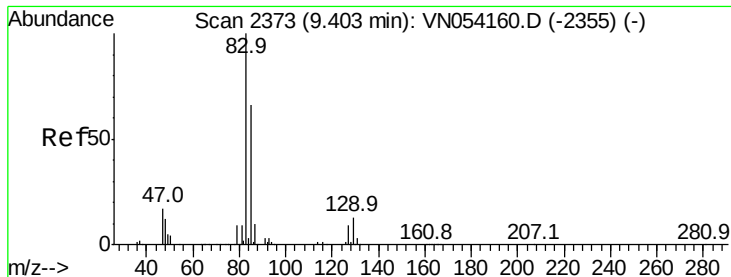
MMDadoda
 3/19/2019 9:23:52 AM



#46
 Dibromomethane
 Concen: 20.855 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.7	100.1
174	123.5	98.5	147.7





#47

Bromodichloromethane

Concen: 20.586 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

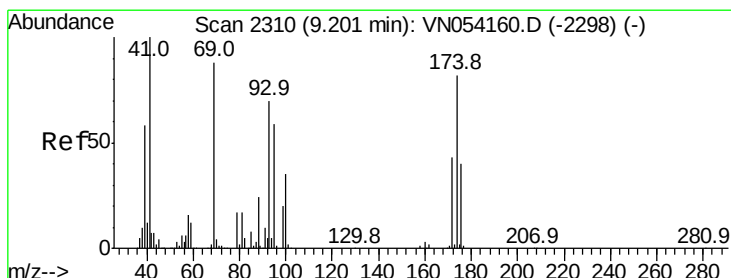
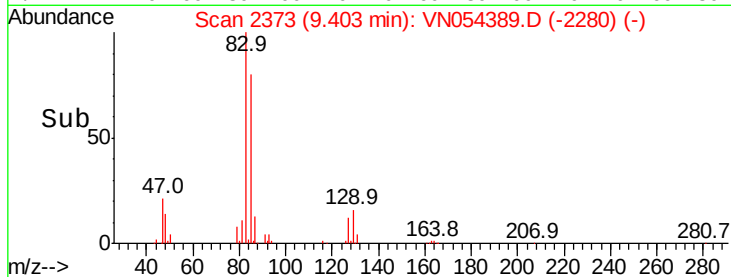
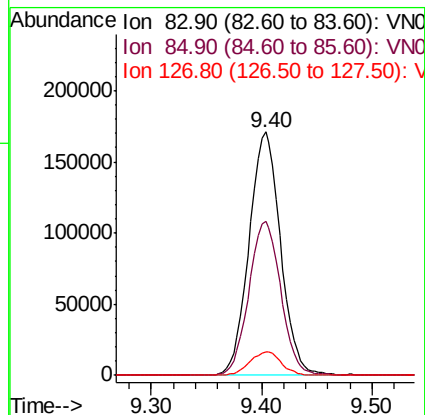
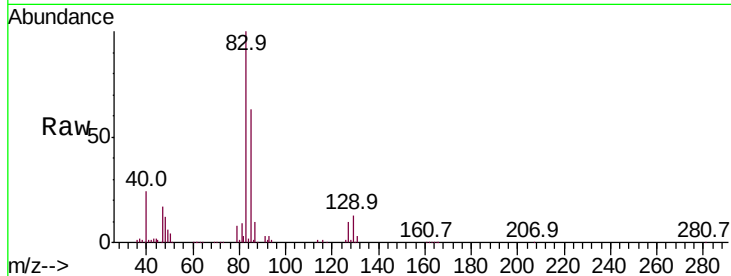
ClientSampleId :

VN0318WBS01

Tot Ion:	83	Resp:	337938
Ion Ratio	Lower	Upper	
83	100		
85	63.0	52.8	79.2
127	9.5	7.4	11.2

Manual Integrations
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MMDadoda
3/19/2019 9:23:52 AM



#48

Methyl methacrylate

Concen: 20.780 ug/l

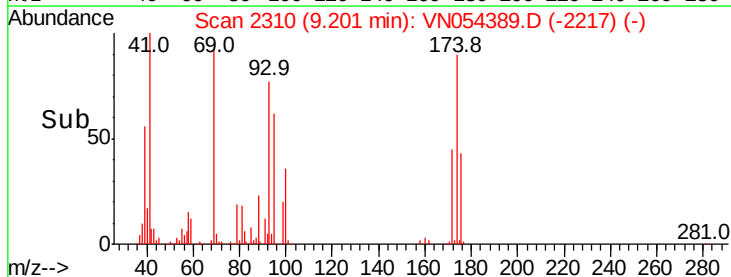
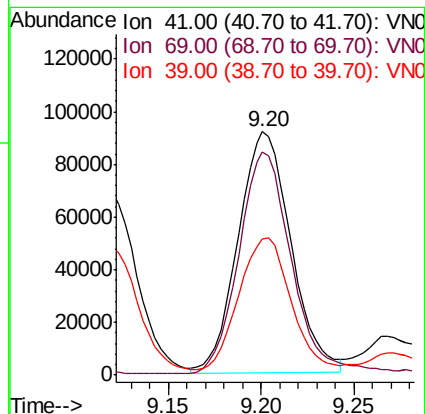
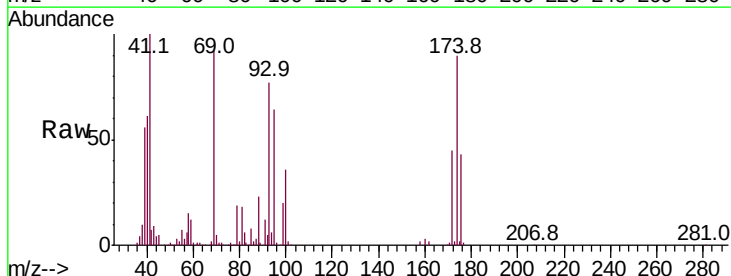
RT: 9.20 min Scan# 2310

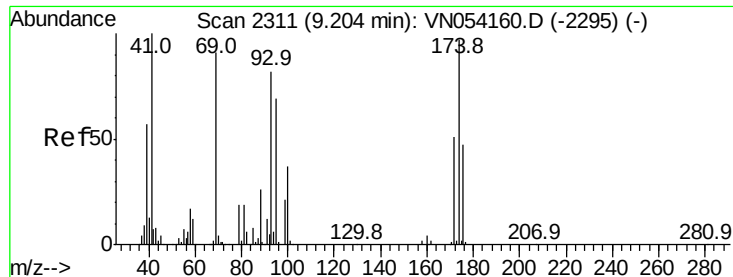
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion:	41	Resp:	181400
Ion Ratio	Lower	Upper	
41	100		
69	92.7	72.6	108.8
39	57.1	47.5	71.3





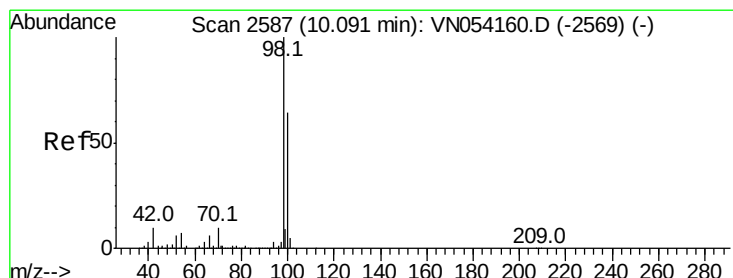
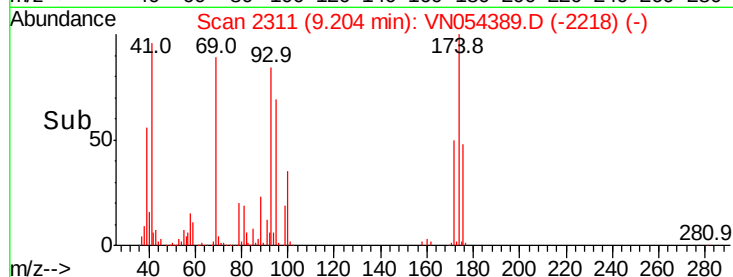
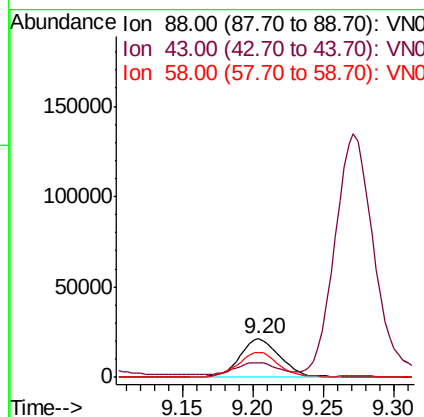
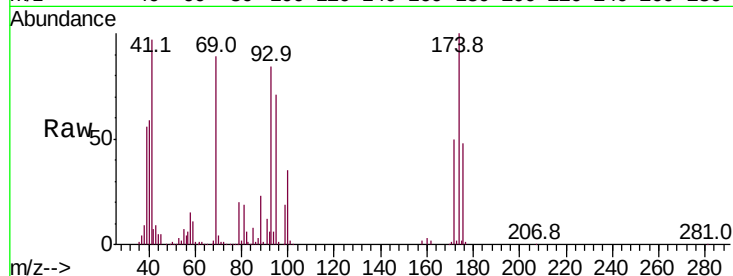
#49
1,4-Dioxane
Concen: 351.235 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.1	36.1
58	64.6	50.8	76.2

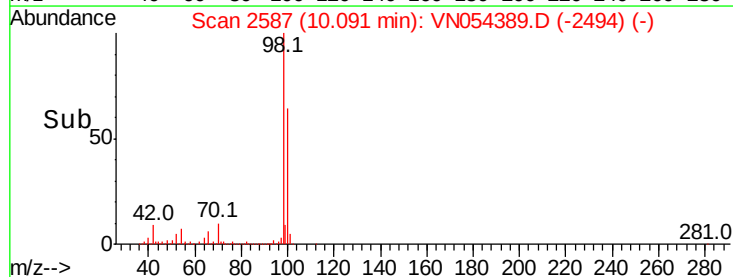
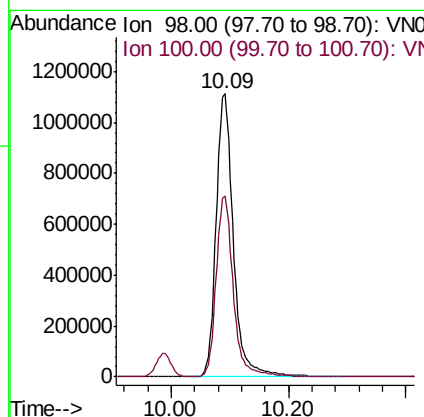
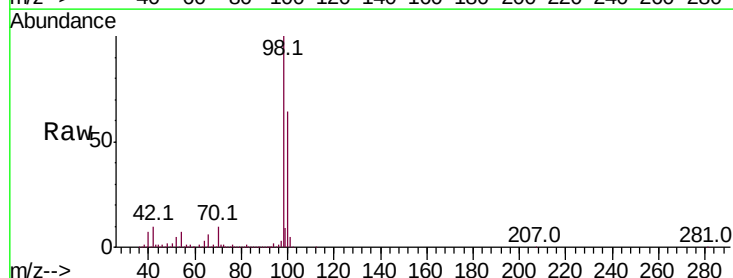
Manual Integrations
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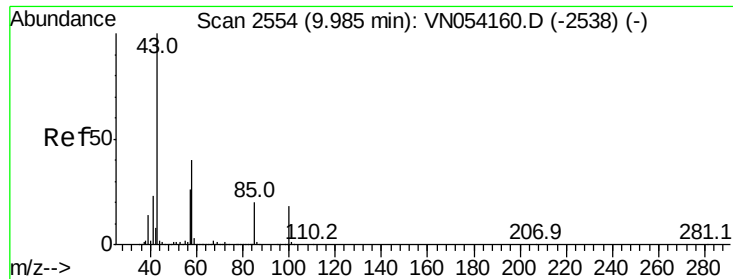
MMDadoda
3/19/2019 9:23:52 AM



#50
Toluene-d8
Concen: 51.331 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 107.049 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 43 Resp: 974494

Ion Ratio Lower Upper

43 100

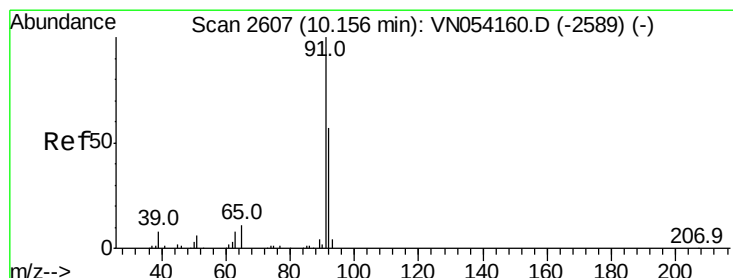
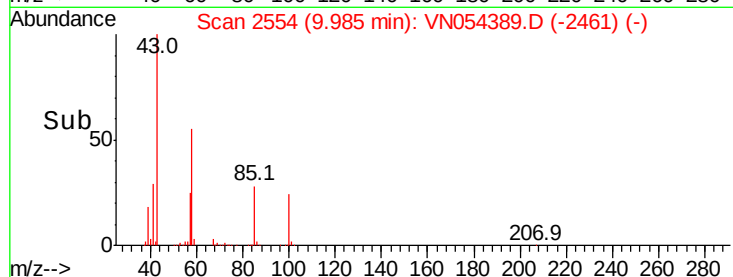
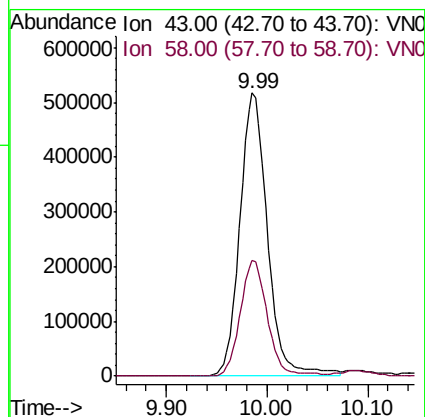
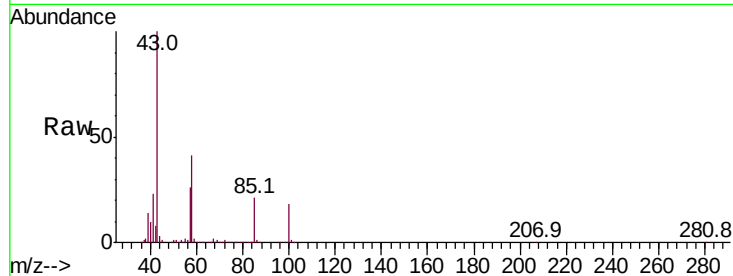
58 40.6 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 21.075 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054389.D

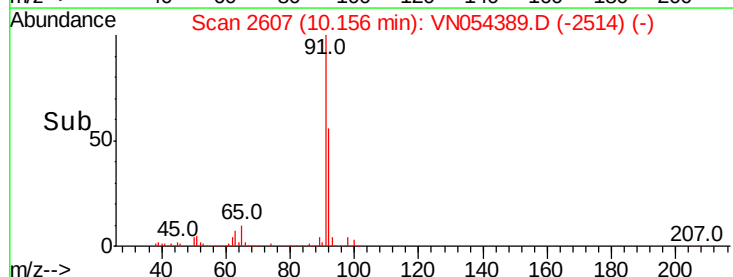
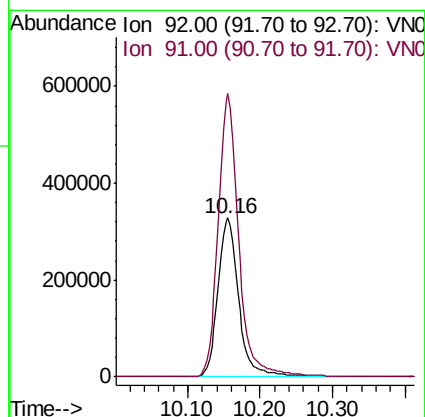
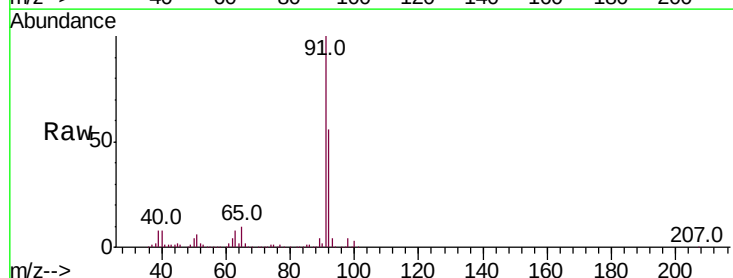
Acq: 18 Mar 2019 13:05

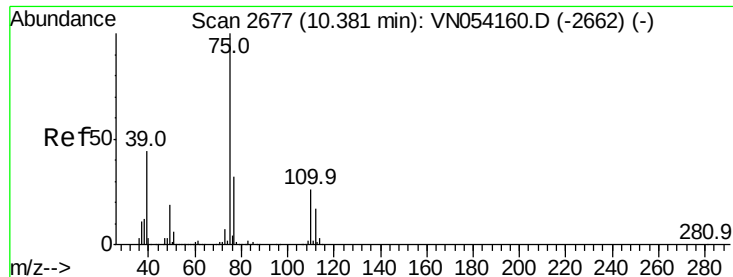
Tgt Ion: 92 Resp: 652189

Ion Ratio Lower Upper

92 100

91 176.2 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 17.038 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 75 Resp: 294303

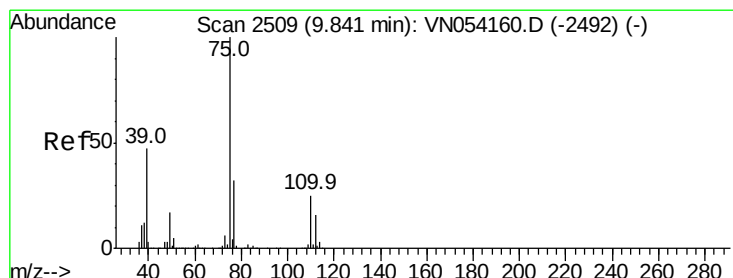
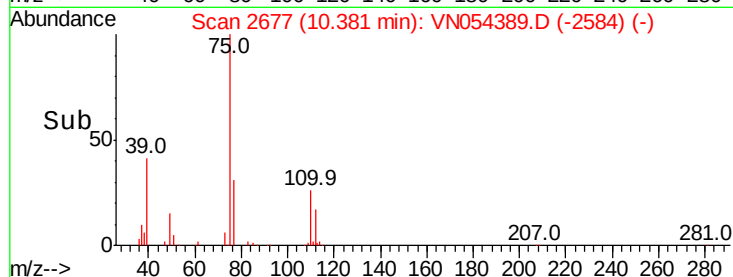
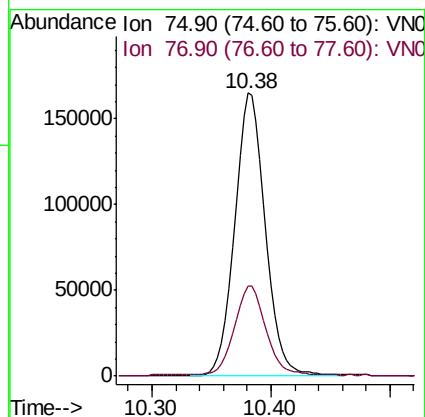
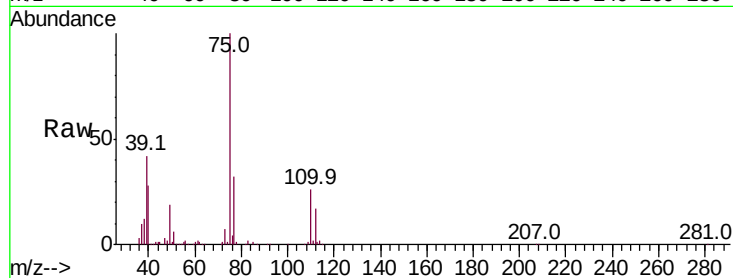
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

Manual Integrations
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3/19/2019 9:23:52 AM



#54

cis-1,3-Dichloropropene

Concen: 19.057 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

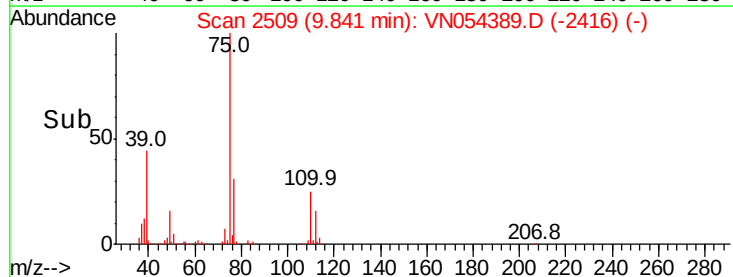
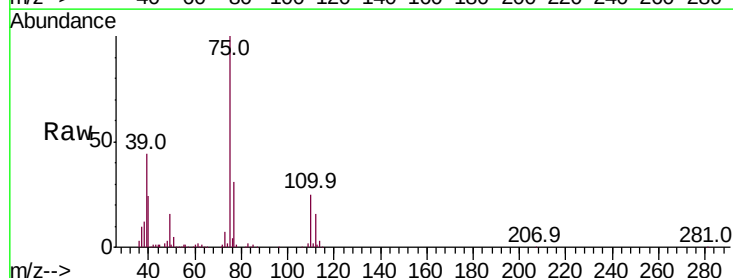
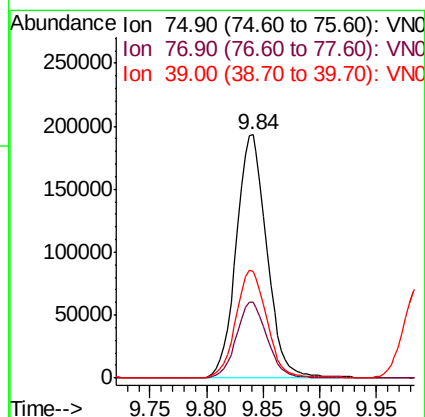
Tgt Ion: 75 Resp: 364550

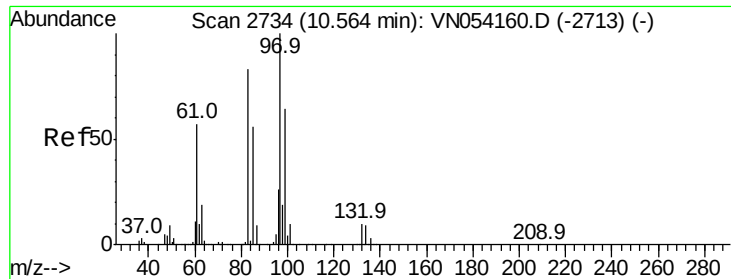
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 43.9 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 21.944 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

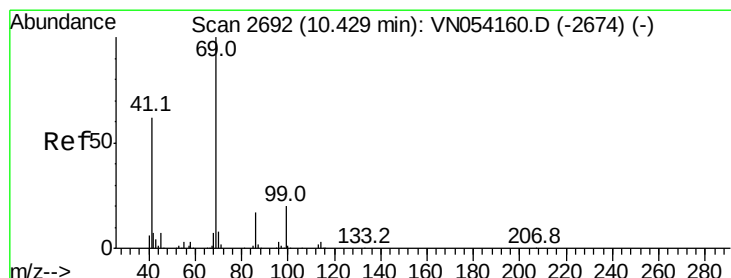
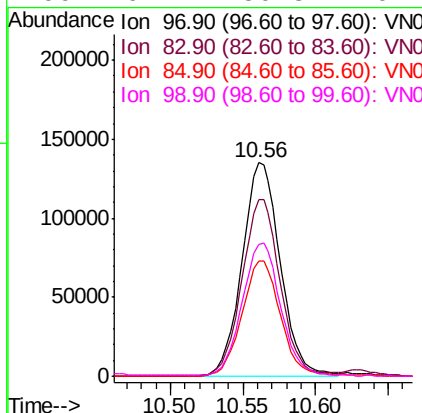
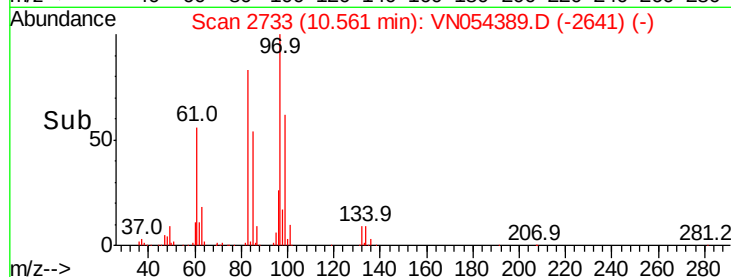
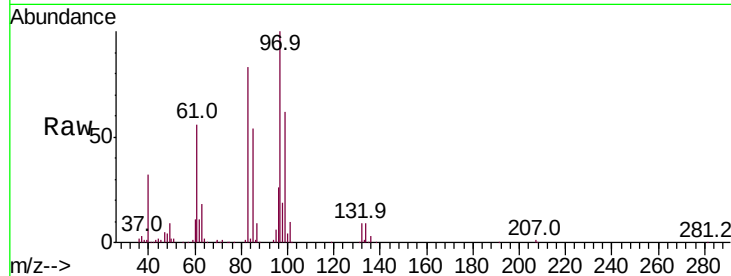
ClientSampleId :

VN0318WBS01

Tot Ion	97	Resp	247966
Ion Ratio	Lower	Upper	
97	100		
83	82.5	66.6	100.0
85	54.1	44.4	66.6
99	61.4	50.8	76.2

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#56

Ethyl methacrylate

Concen: 21.186 ug/l

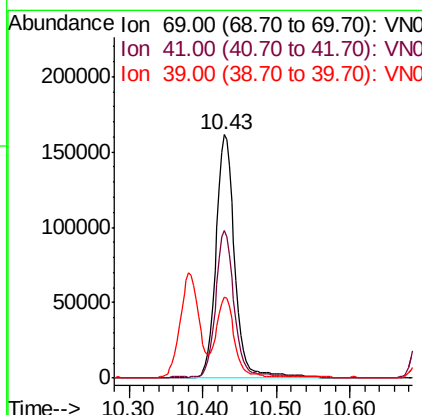
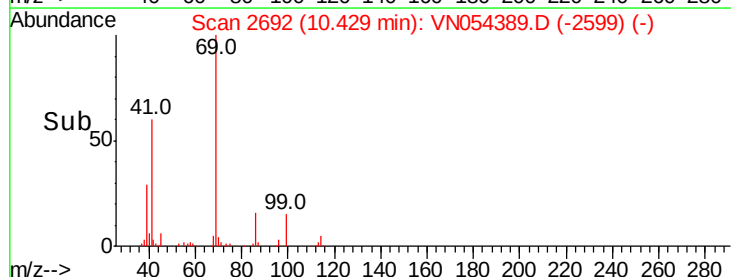
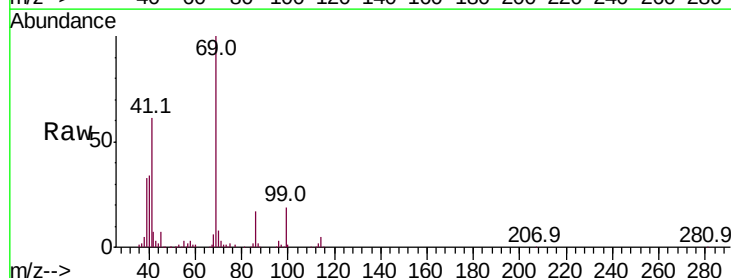
RT: 10.43 min Scan# 2692

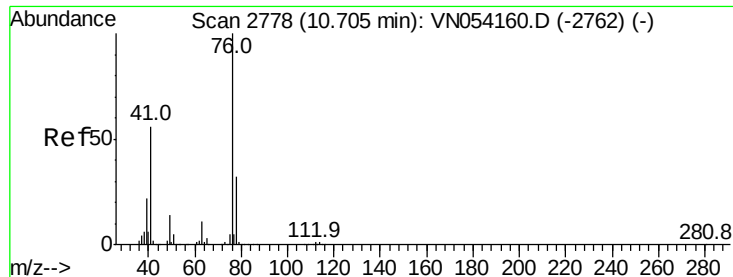
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion	69	Resp	285453
Ion Ratio	Lower	Upper	
69	100		
41	58.8	49.4	74.2
39	31.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.351 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

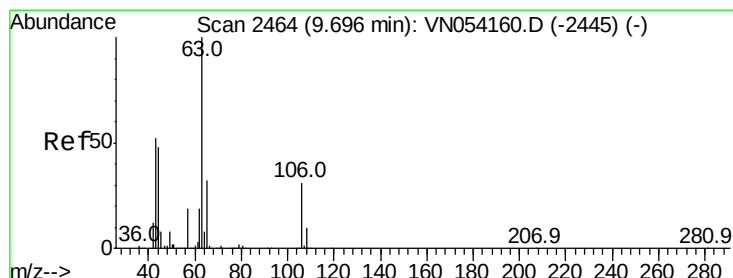
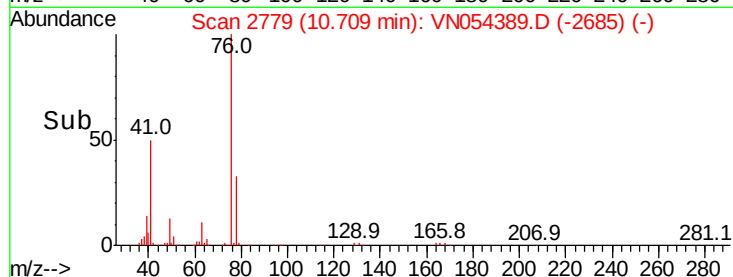
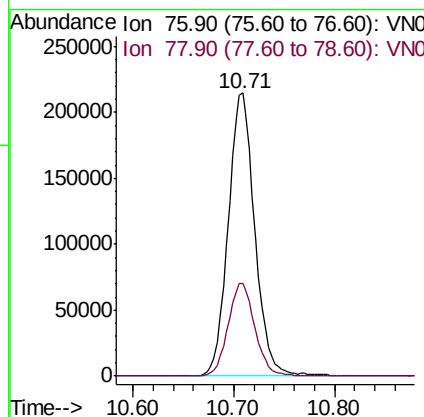
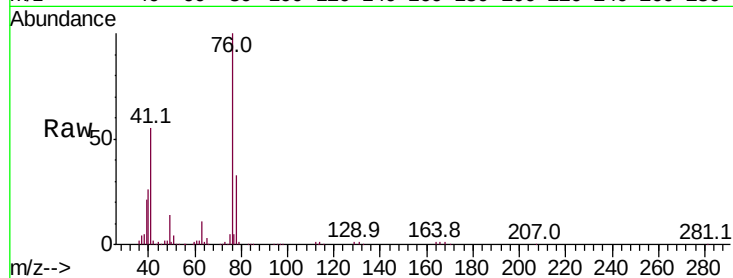
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion: 76 Resp: 394502

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.7	38.5

Manual Integrations
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3/19/2019 9:23:52 AM



#58

2-Chloroethyl Vinyl ether

Concen: 101.043 ug/l

RT: 9.70 min Scan# 2464

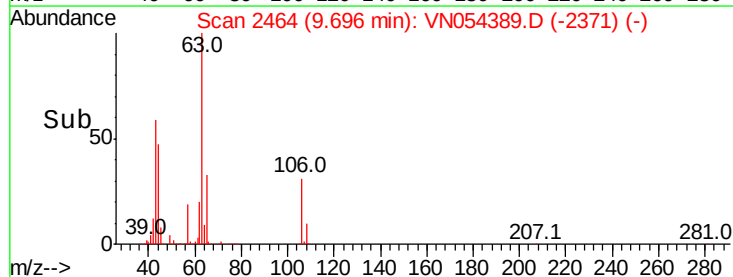
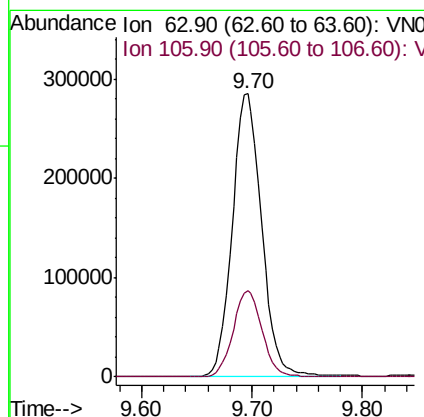
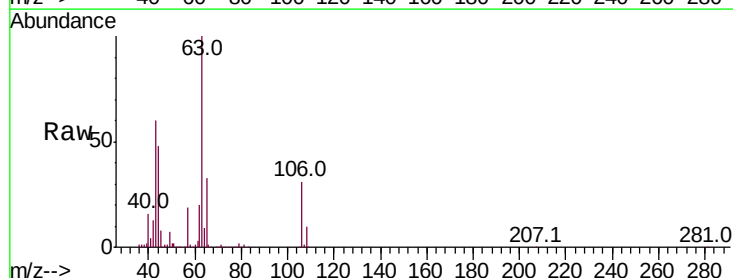
Delta R.T. 0.00 min

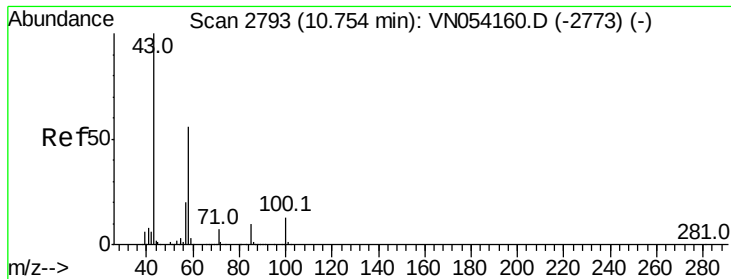
Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion: 63 Resp: 527795

Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.4	36.6





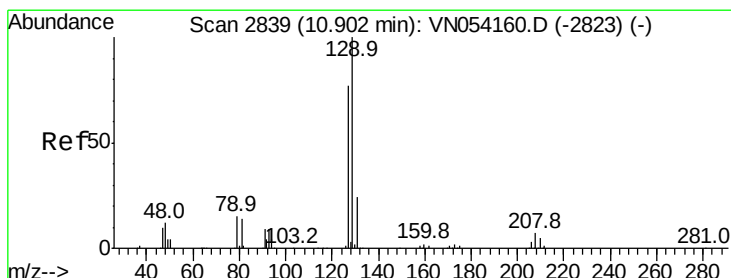
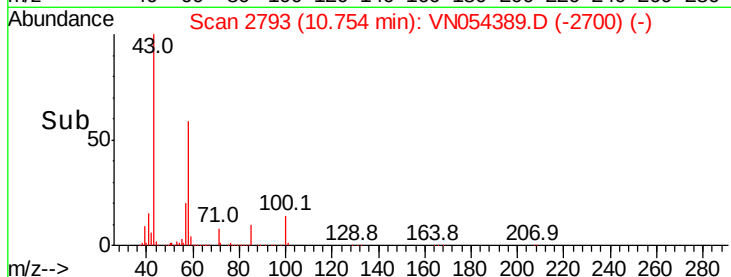
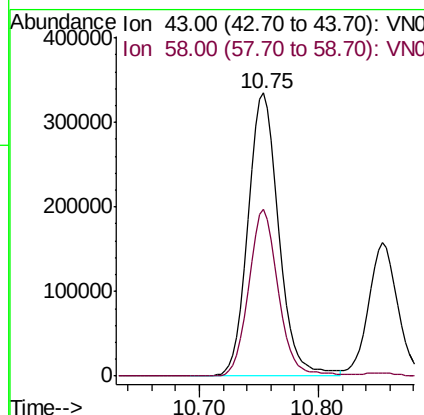
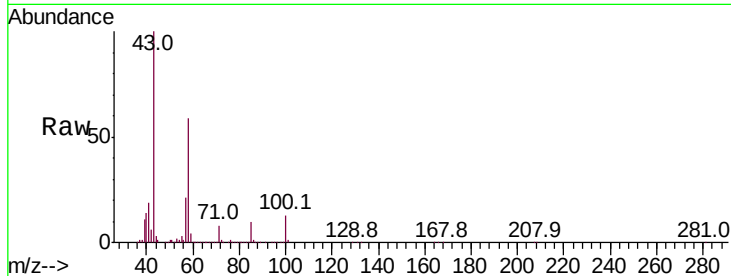
#59
2-Hexanone
Concen: 98.026 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	28.0	83.9

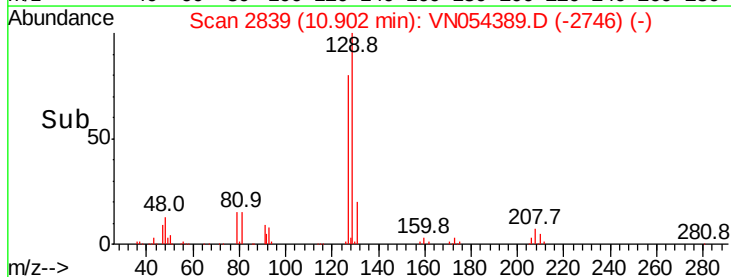
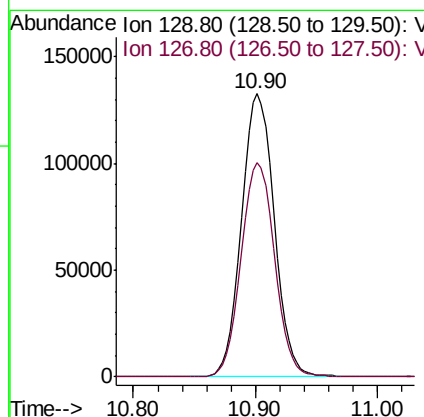
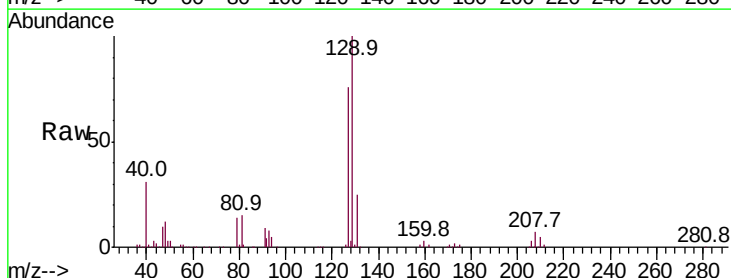
Manual Integrations
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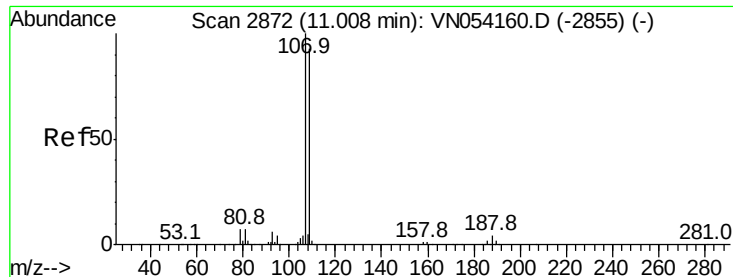
MMDadoda
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#60
Dibromochloromethane
Concen: 19.357 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 21.394 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion:107 Resp: 245665

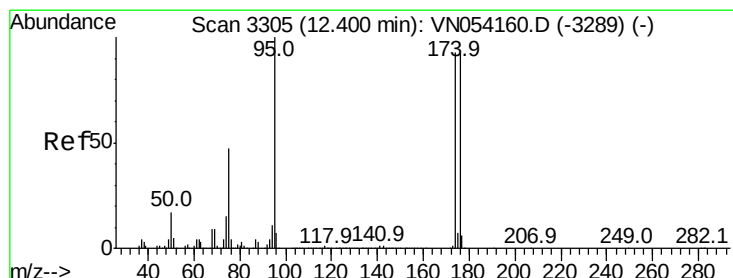
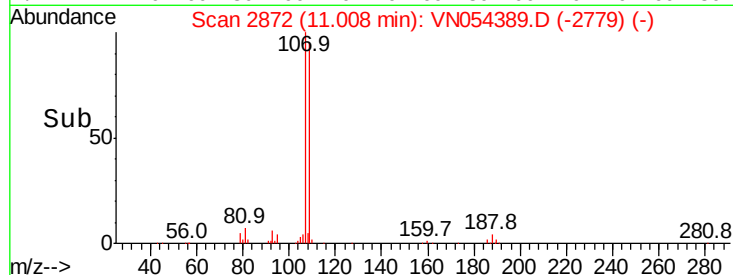
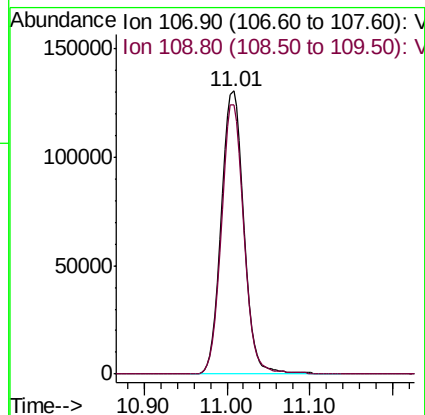
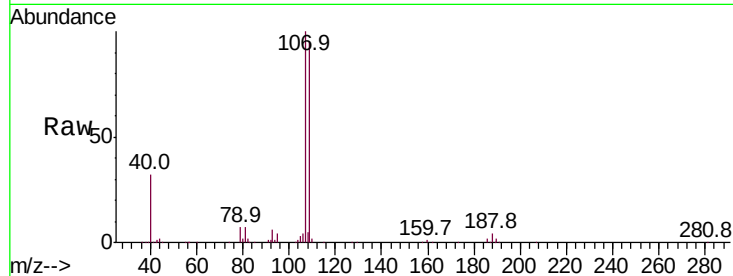
Ion Ratio Lower Upper

107 100

109 94.4 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 47.622 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

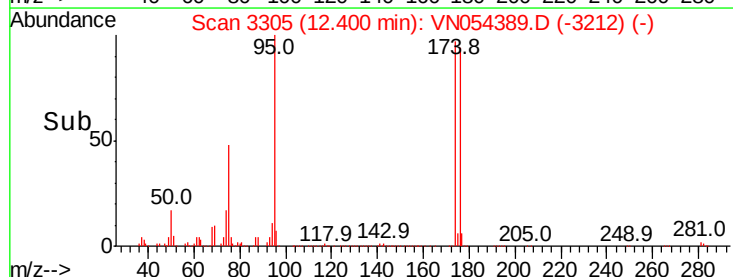
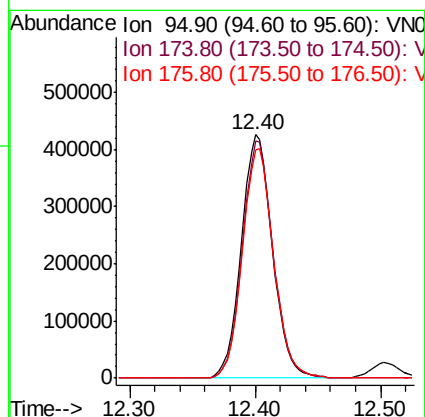
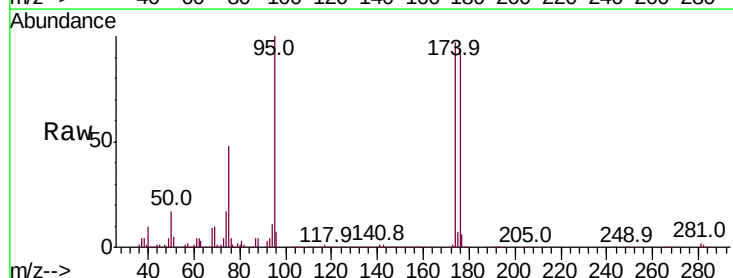
Tgt Ion: 95 Resp: 735066

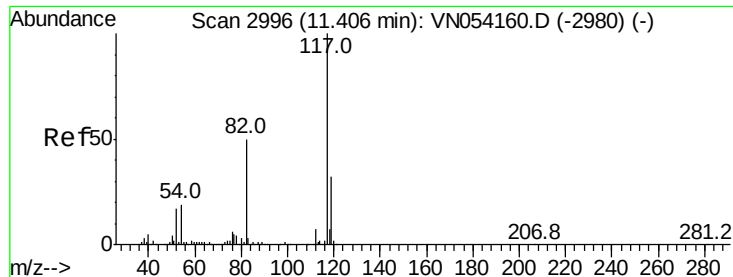
Ion Ratio Lower Upper

95 100

174 96.6 0.0 191.0

176 94.4 0.0 187.4





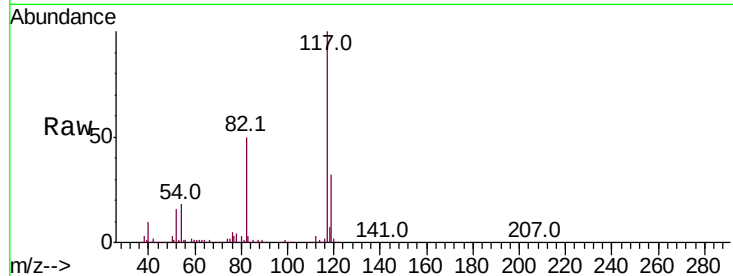
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	40.0	60.0
119	31.9	25.8	38.6

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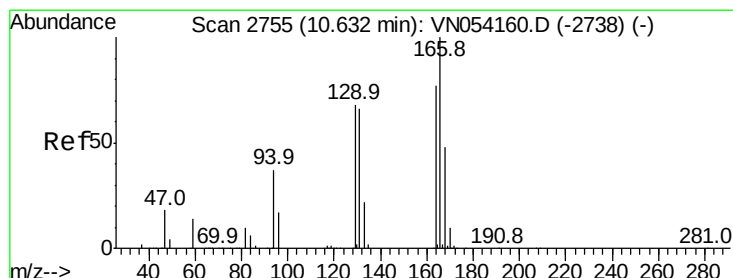
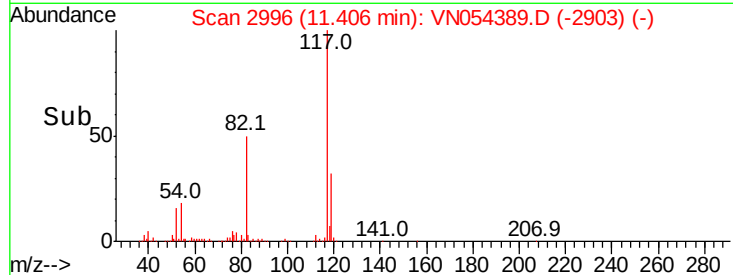
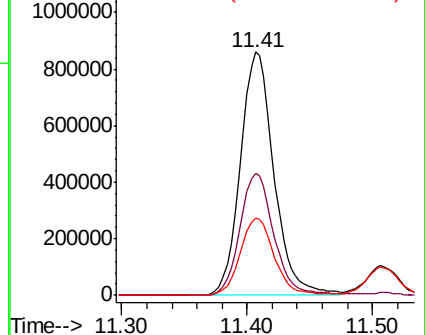


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.874 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.9	155.9
129	88.8	71.1	106.7
131	87.5	68.2	102.4

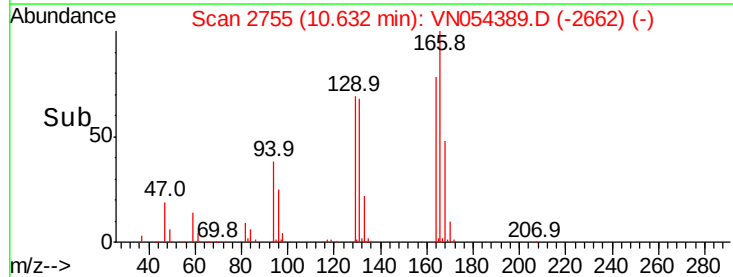
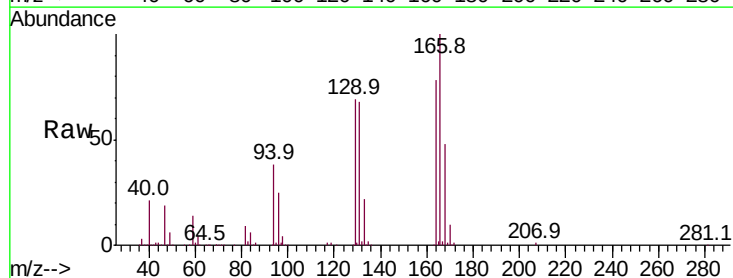
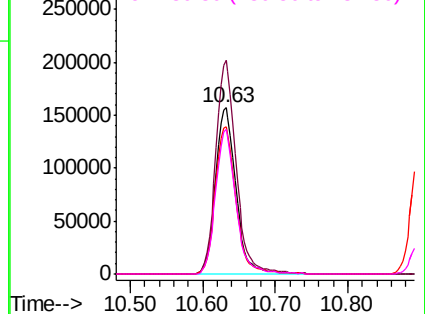
Abundance

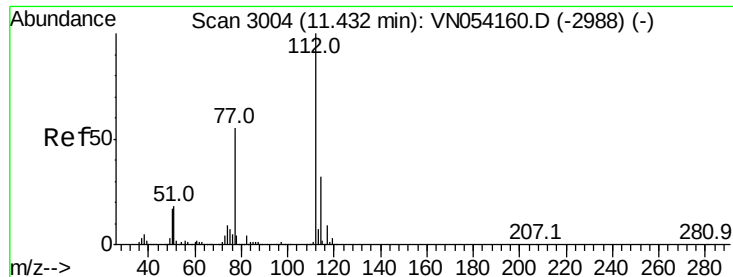
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.252 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion:112 Resp: 747570

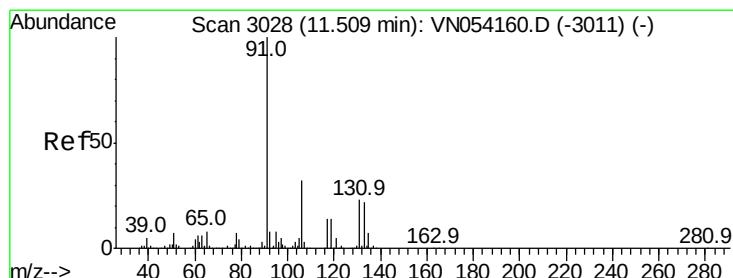
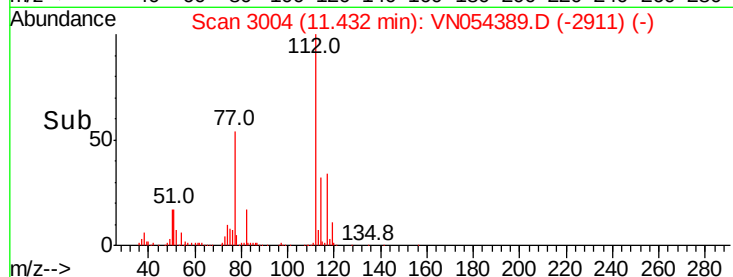
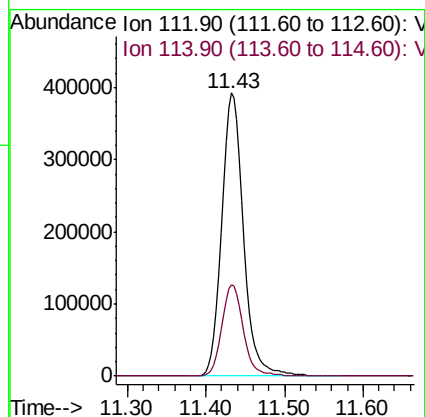
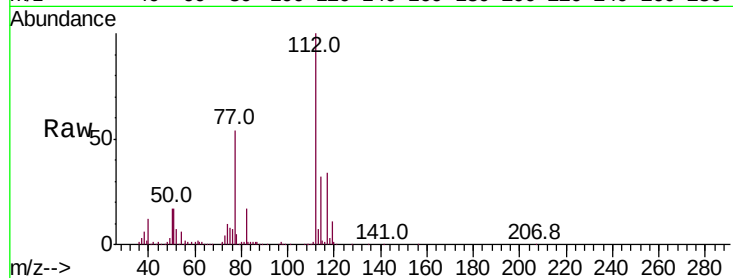
Ion Ratio Lower Upper

112 100

114 32.4 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.716 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

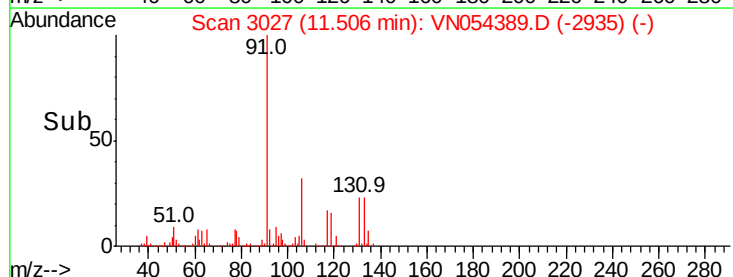
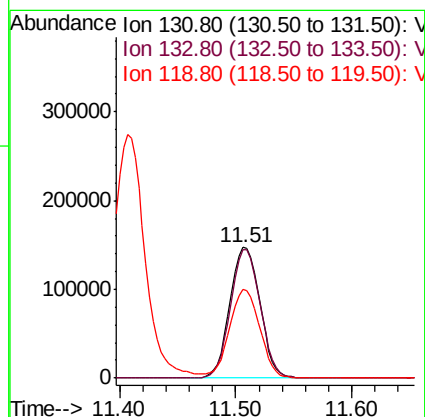
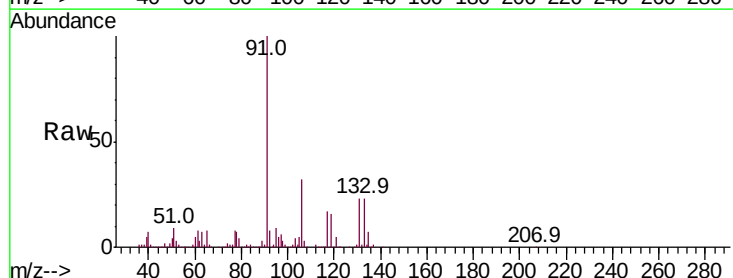
Tgt Ion:131 Resp: 264725

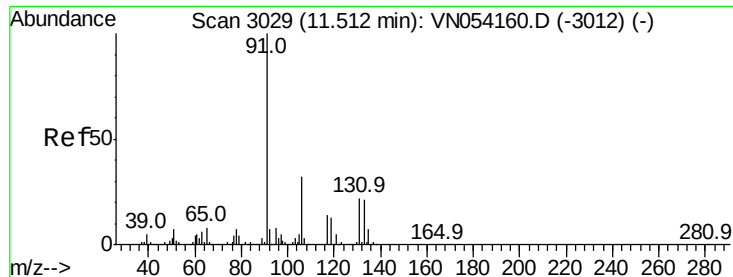
Ion Ratio Lower Upper

131 100

133 96.8 47.6 142.9

119 68.3 32.4 97.0





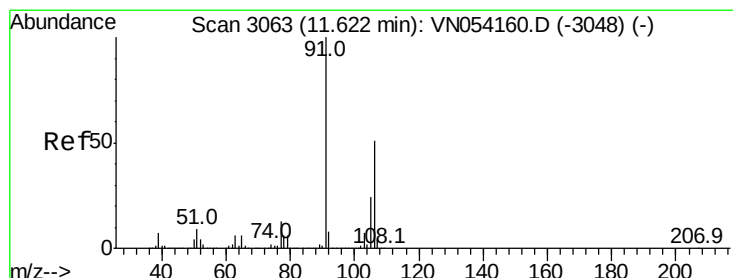
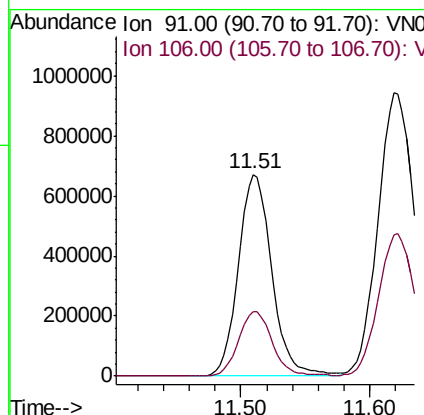
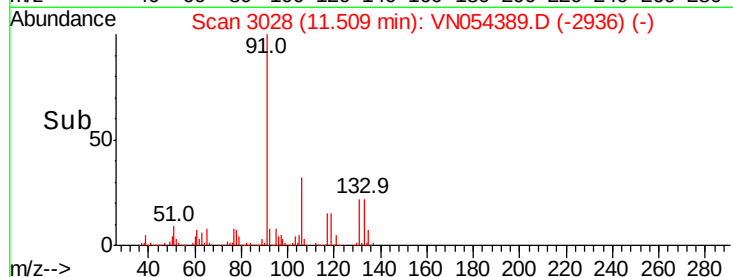
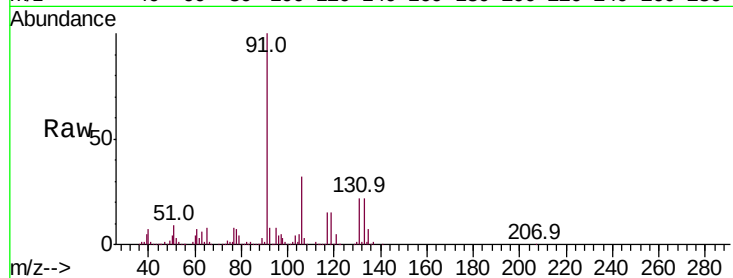
#67
Ethyl Benzene
Concen: 20.787 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :
VN0318WBS01

Tot Ion: 91 Resp: 1212118
Ion Ratio Lower Upper
91 100
106 32.0 25.5 38.3

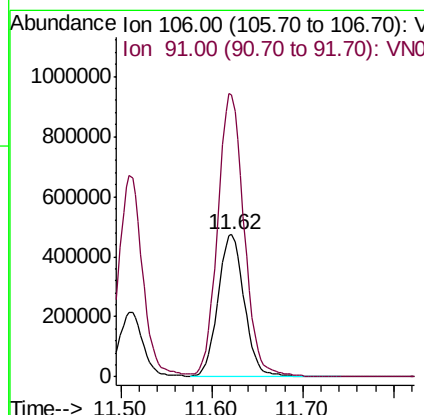
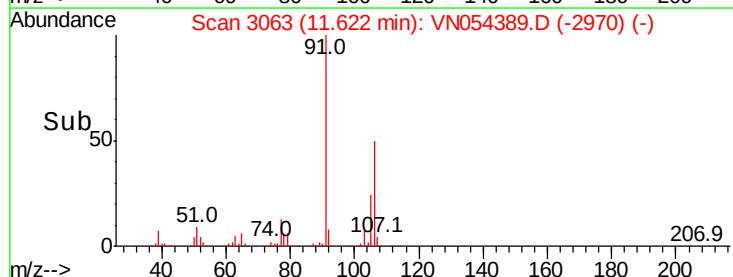
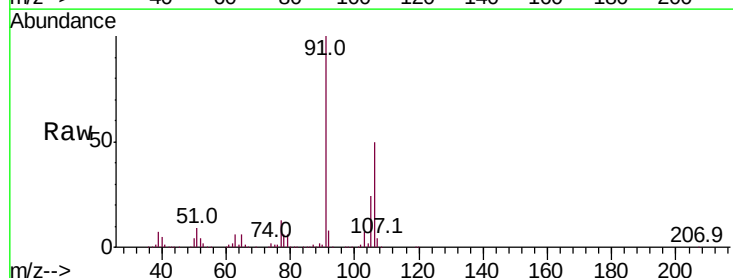
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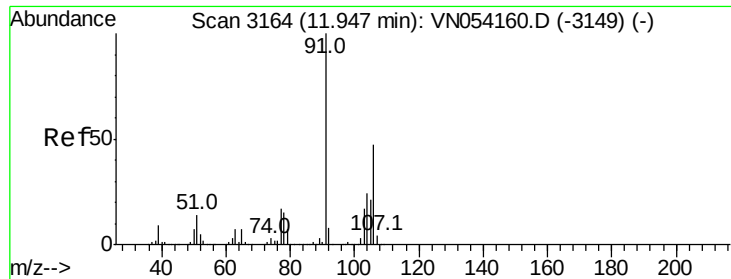
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#68
m/p-Xylenes
Concen: 41.895 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 106 Resp: 954809
Ion Ratio Lower Upper
106 100
91 199.6 159.4 239.2





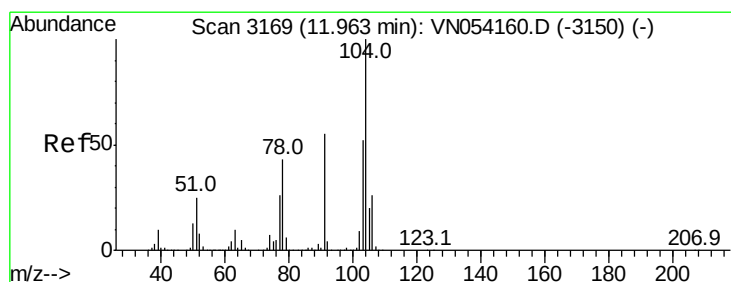
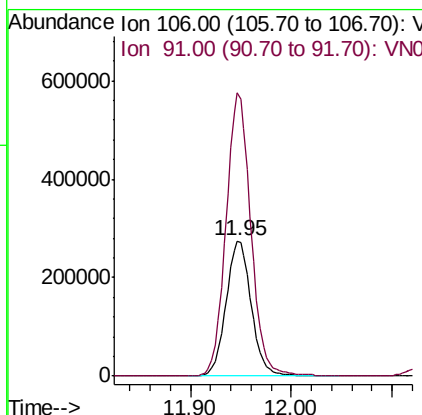
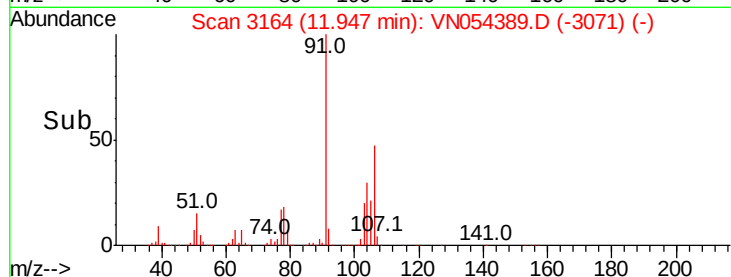
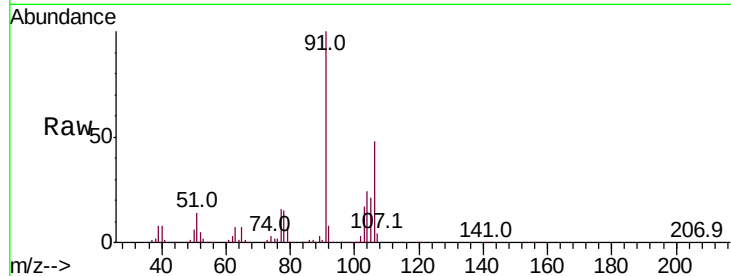
#69
o-Xylene
Concen: 21.576 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion:106 Resp: 479349
Ion Ratio Lower Upper
106 100
91 207.2 105.7 317.1

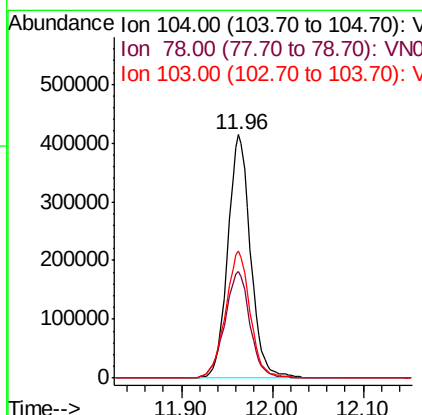
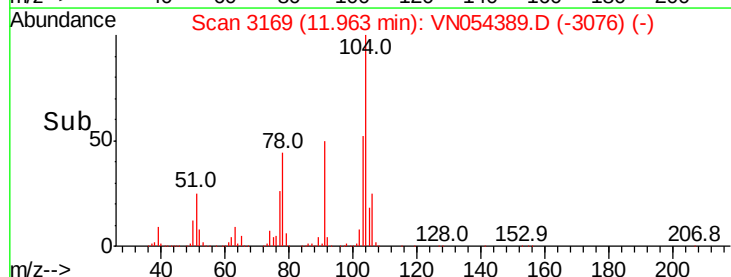
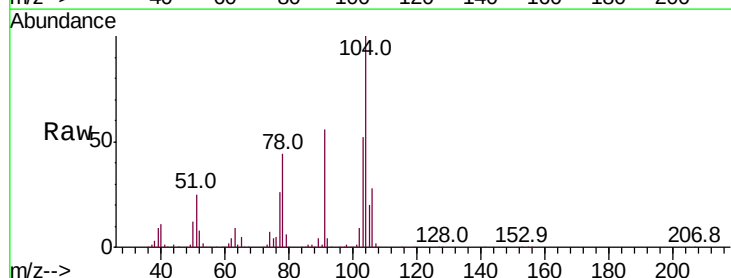
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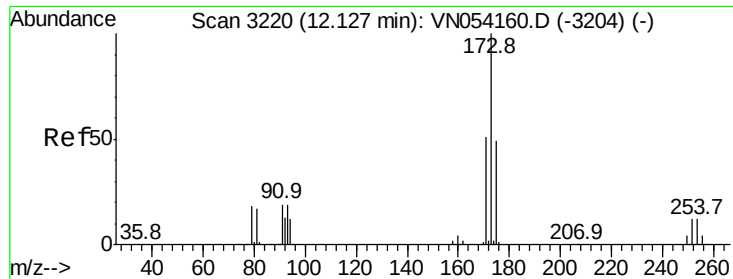
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#70
Styrene
Concen: 20.646 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion:104 Resp: 719369
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 56.6 44.4 66.6





#71

Bromoform

Concen: 17.598 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion:173 Resp: 155849

Ion Ratio Lower Upper

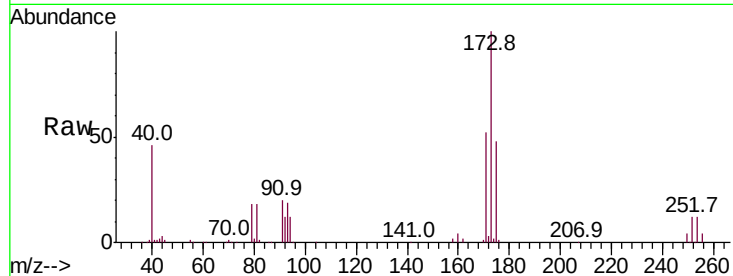
173 100

175 48.8 24.4 73.2

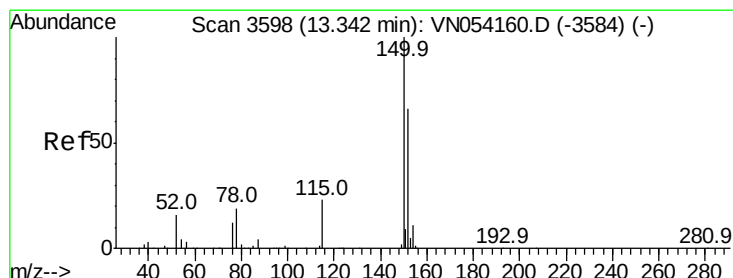
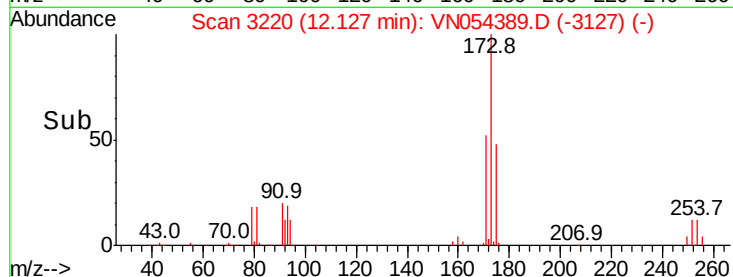
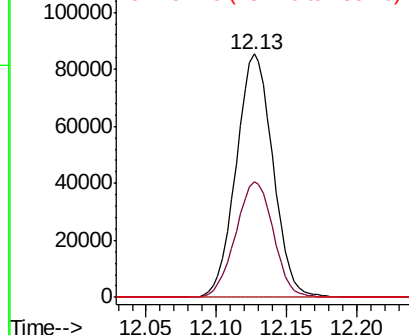
254 0.0 0.1 0.1#

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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: VN054389.D

Acq: 18 Mar 2019 13:05

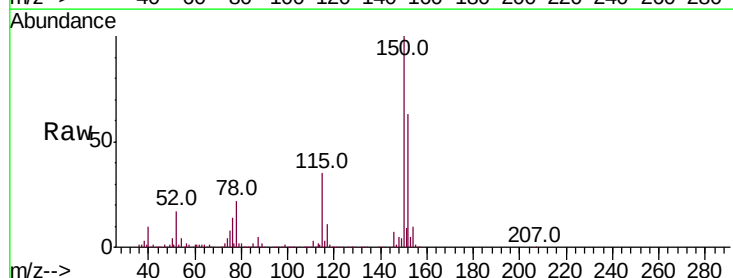
Tgt Ion:152 Resp: 687343

Ion Ratio Lower Upper

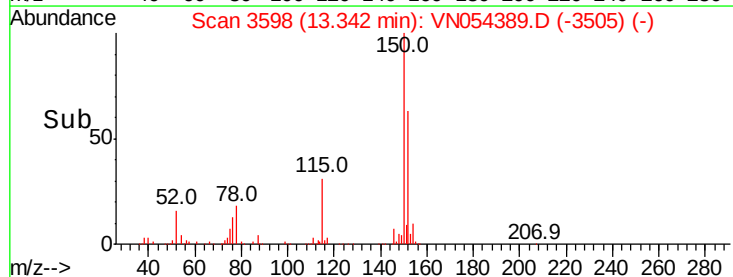
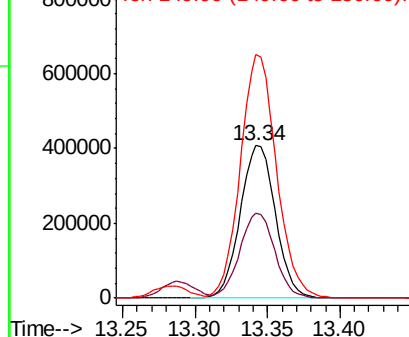
152 100

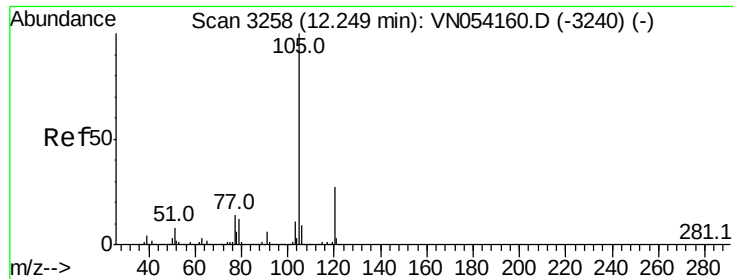
115 55.4 27.2 81.6

150 164.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.308 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion:105 Resp: 1226767

Ion Ratio Lower Upper

105 100

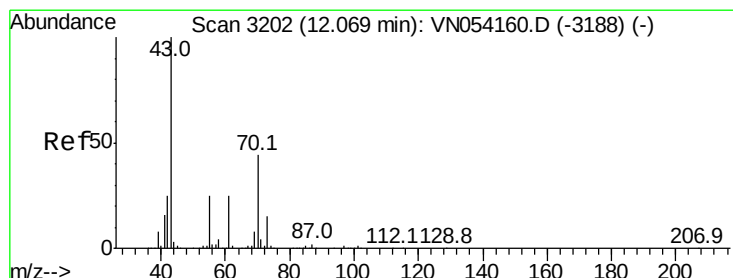
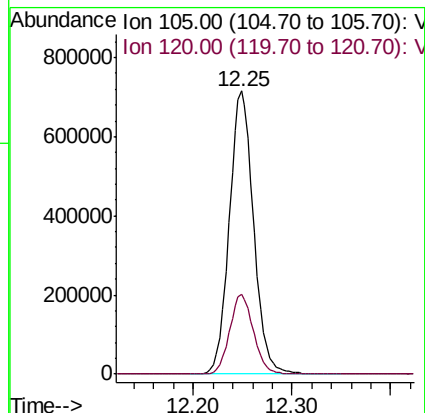
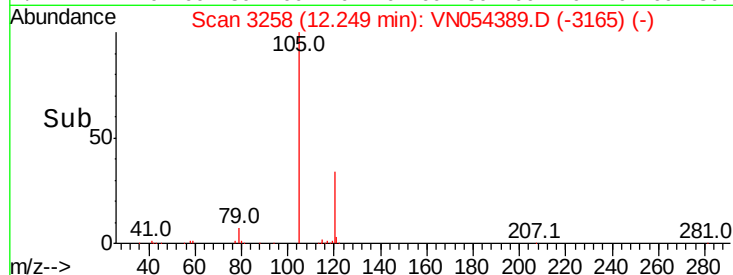
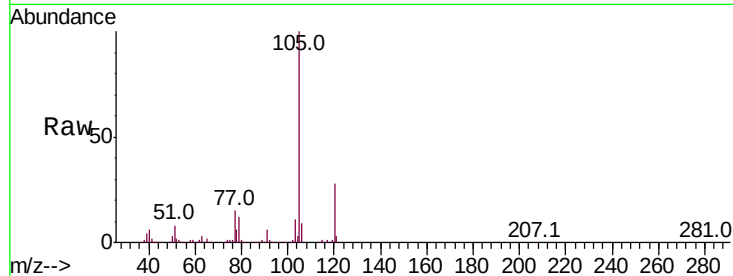
120 27.8 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.128 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion: 43 Resp: 257891

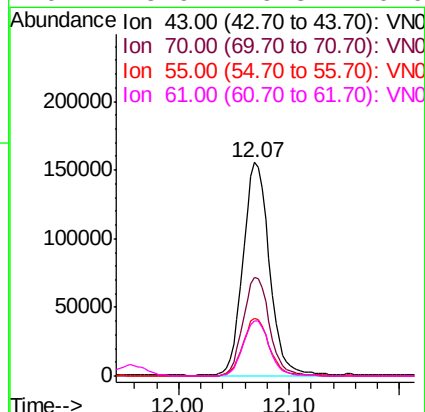
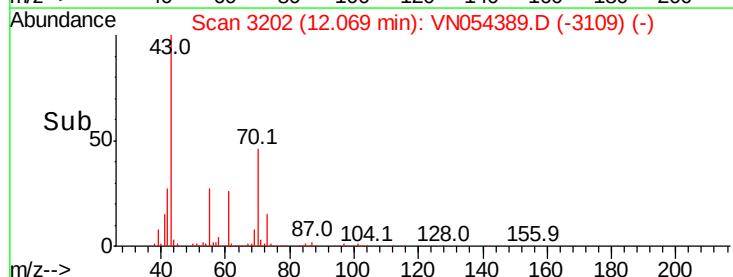
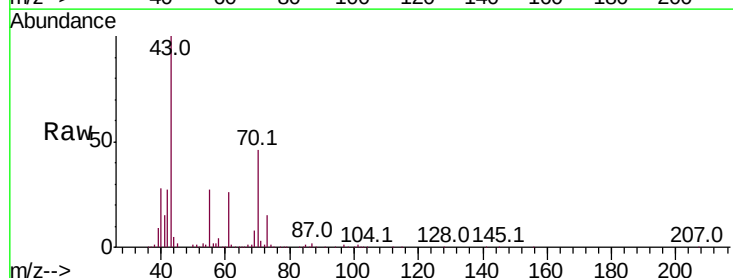
Ion Ratio Lower Upper

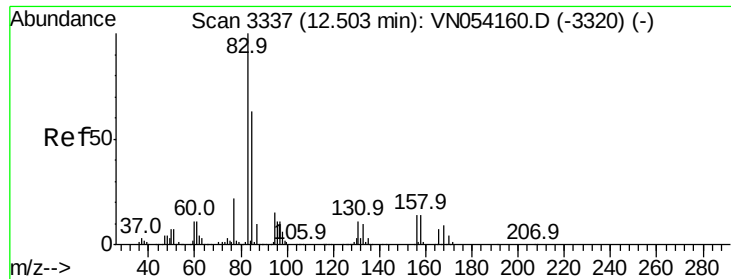
43 100

70 46.5 35.4 53.0

55 27.2 19.8 29.6

61 25.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.981 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS01

Tot Ion: 83 Resp: 280972

Ion Ratio Lower Upper

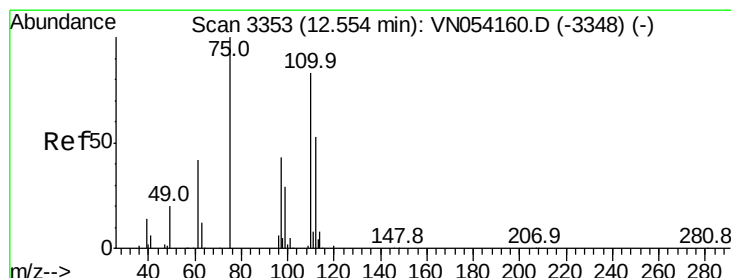
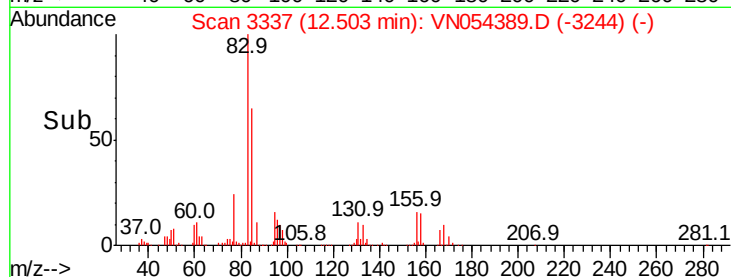
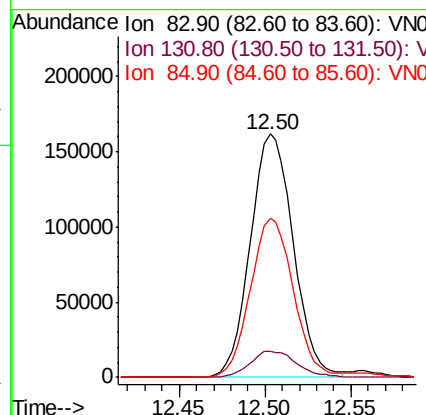
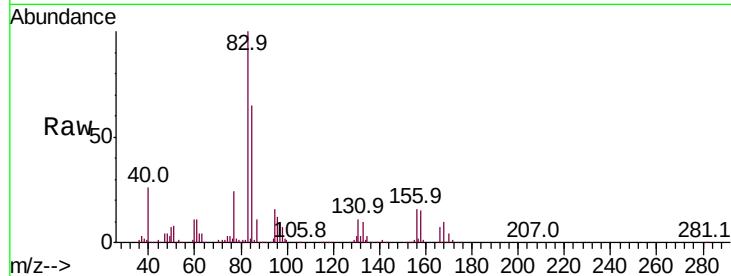
83 100

131 11.7 5.8 17.4

85 65.3 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.388 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054389.D

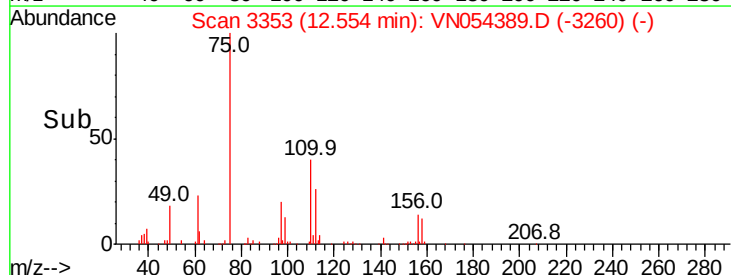
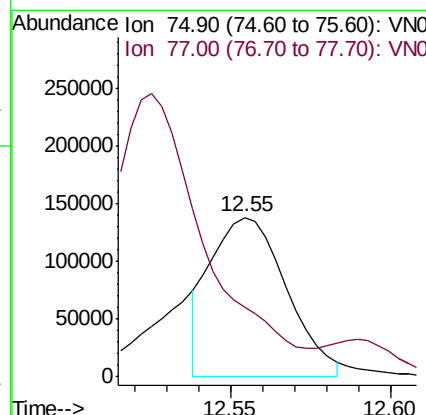
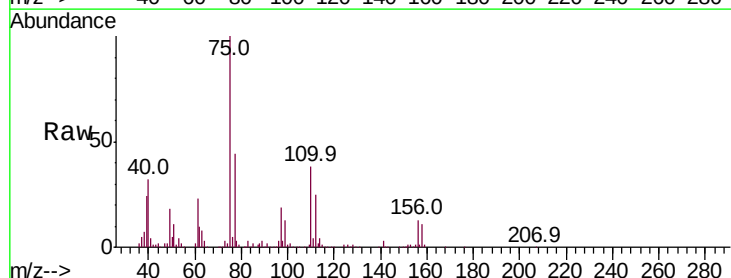
Acq: 18 Mar 2019 13:05

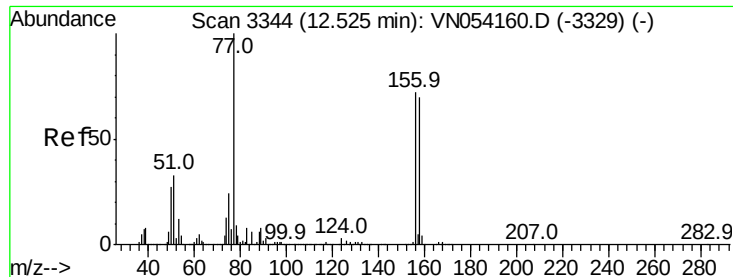
Tgt Ion: 75 Resp: 226293

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 24.058 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

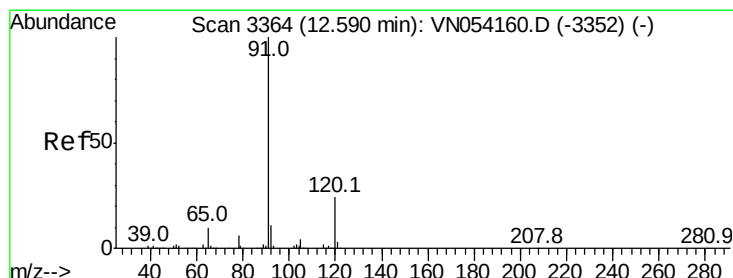
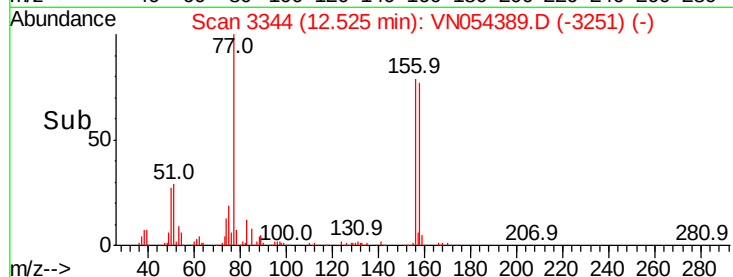
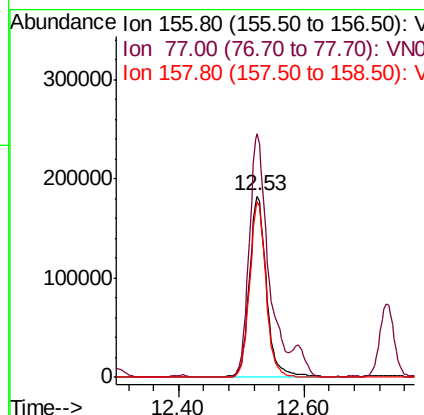
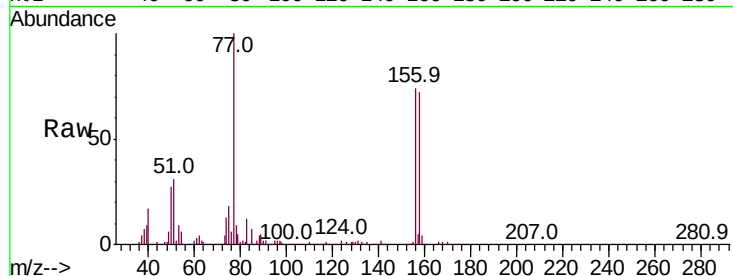
ClientSampleId :

VN0318WBS01

Tot Ion:	156	Resp:	350082
Ion Ratio	Lower	Upper	
156	100		
77	146.8	81.5	244.4
158	90.4	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 21.688 ug/l

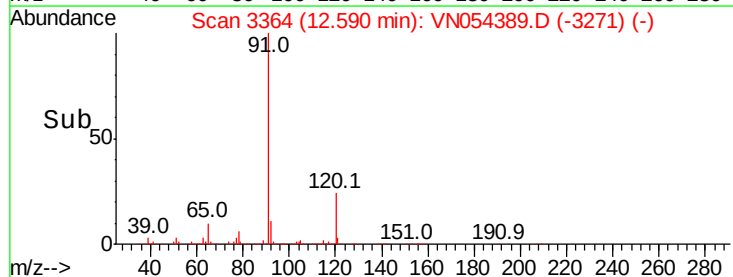
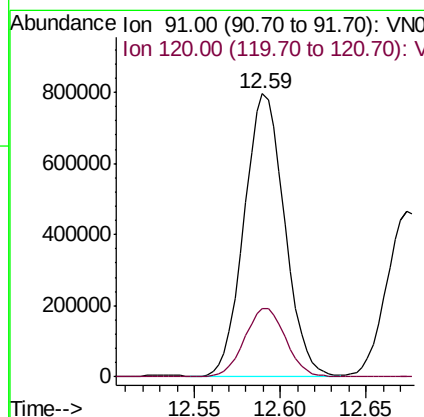
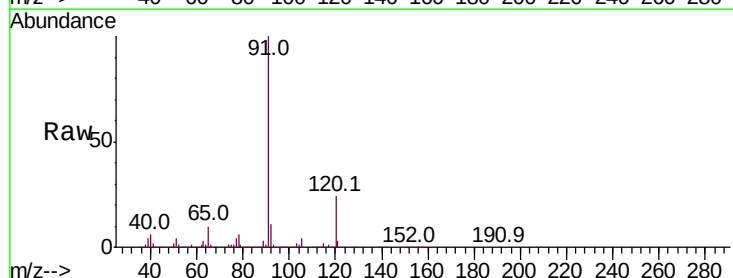
RT: 12.59 min Scan# 3364

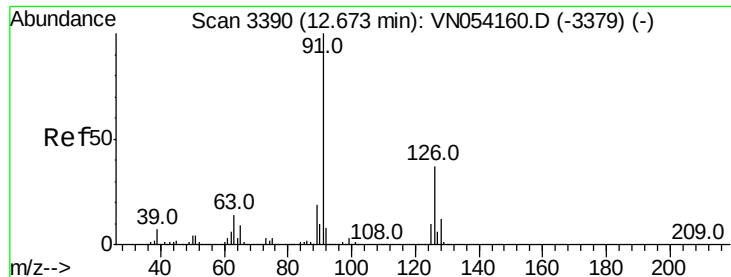
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion:	91	Resp:	1294095
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 22.386 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 91 Resp: 803153

Ion Ratio Lower Upper

91 100

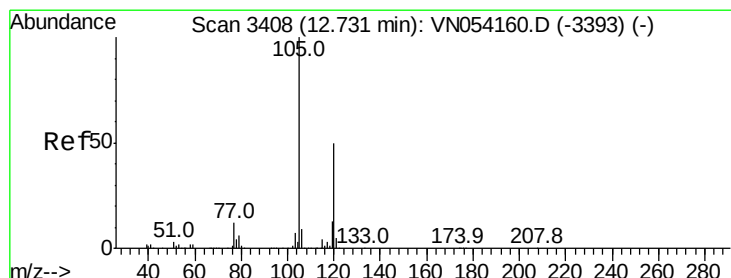
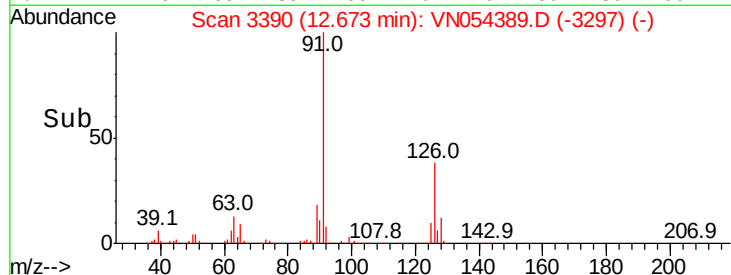
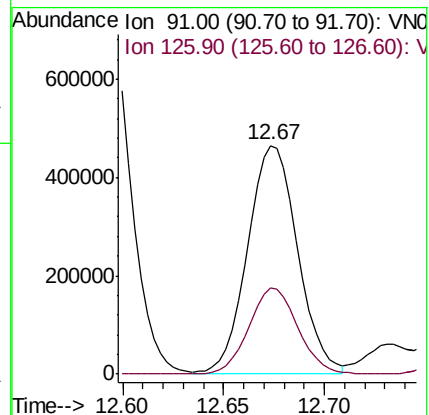
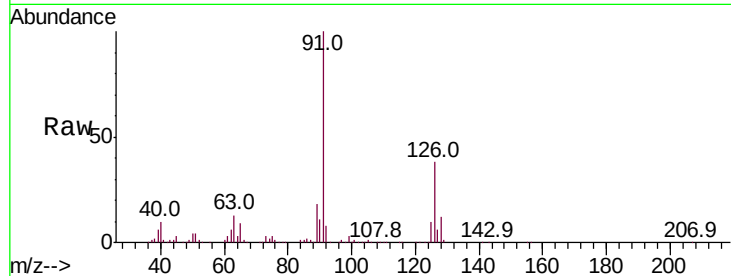
126 37.5 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.506 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054389.D

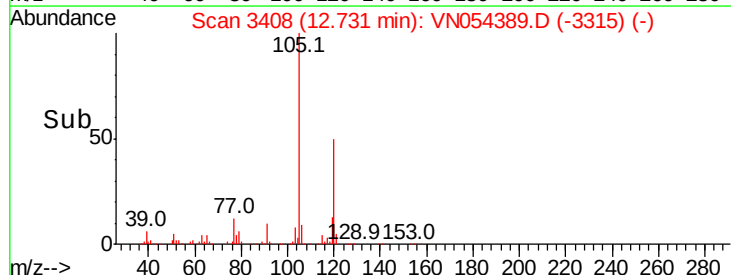
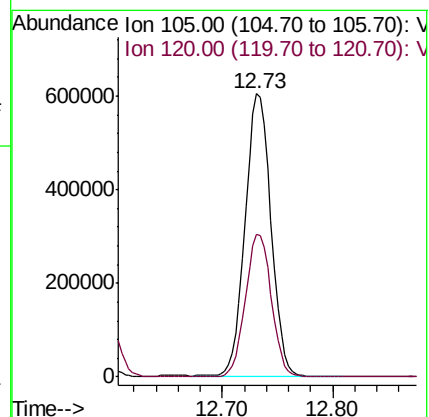
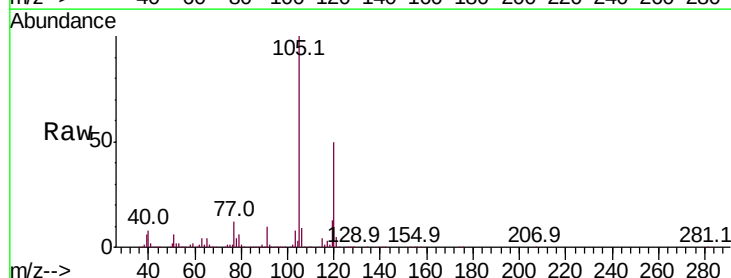
Acq: 18 Mar 2019 13:05

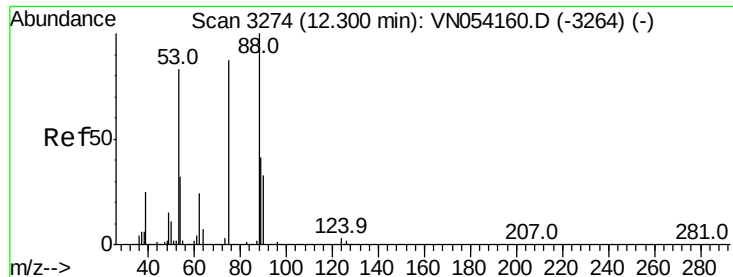
Tgt Ion: 105 Resp: 983706

Ion Ratio Lower Upper

105 100

120 50.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.408 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

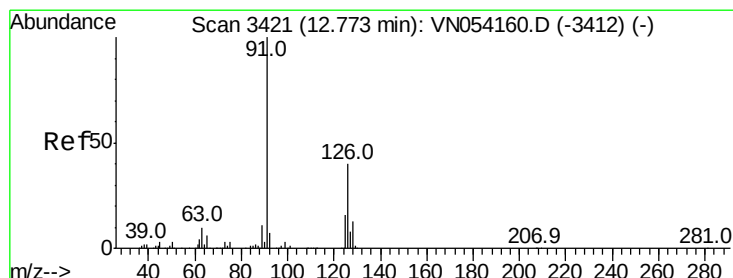
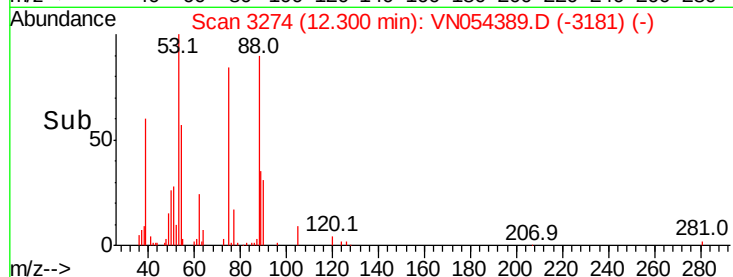
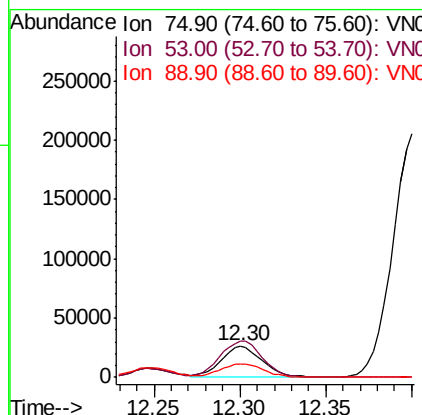
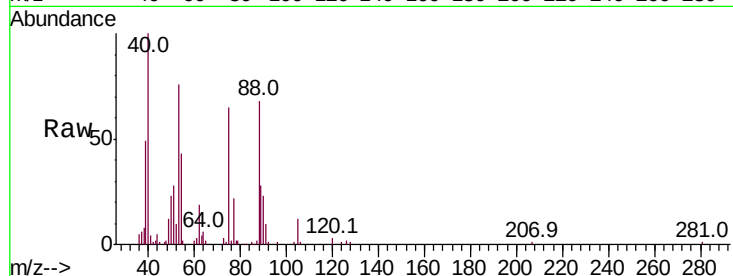
ClientSampleId :

VN0318WBS01

Tot Ion:	75	Resp:	42601
Ion	Ratio	Lower	Upper
75	100		
53	121.9	76.2	114.2#
89	46.8	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.655 ug/l

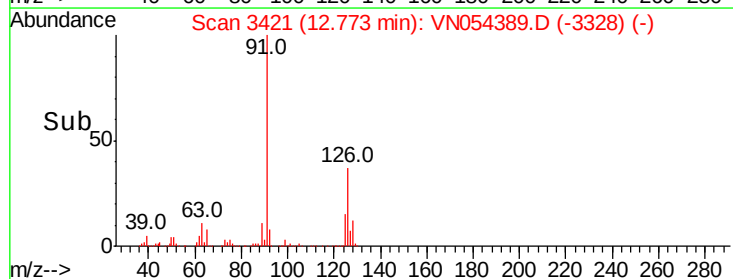
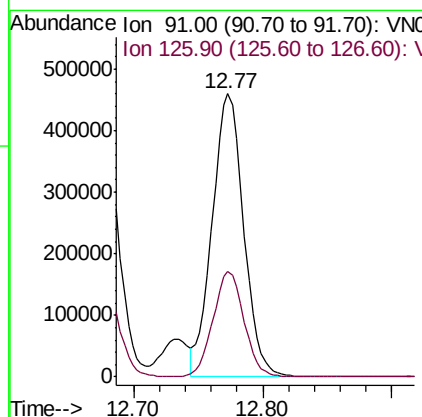
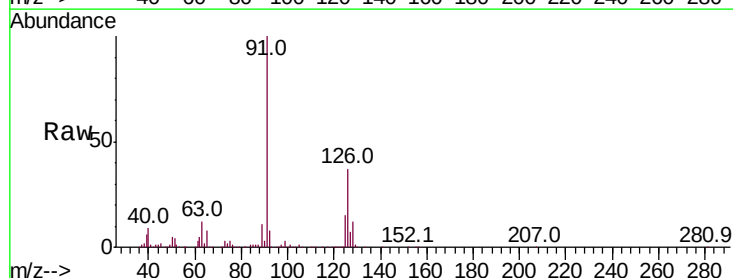
RT: 12.77 min Scan# 3421

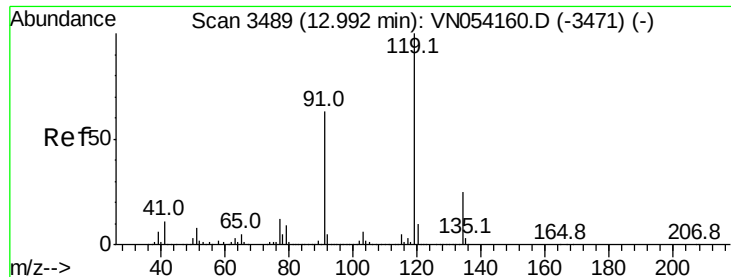
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion:	91	Resp:	775786
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.1	54.1





#83

tert-Butylbenzene

Concen: 21.425 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

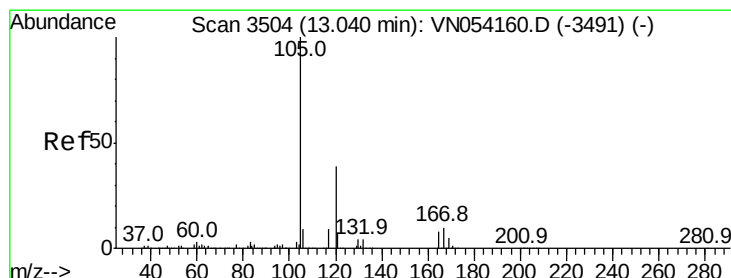
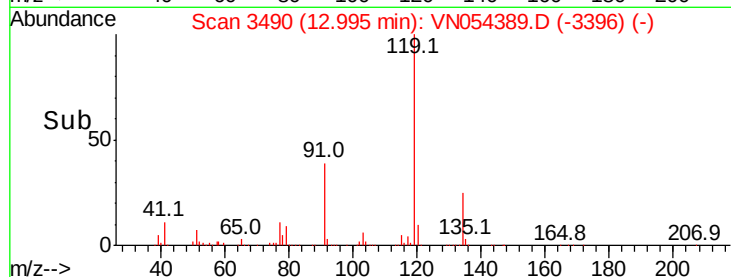
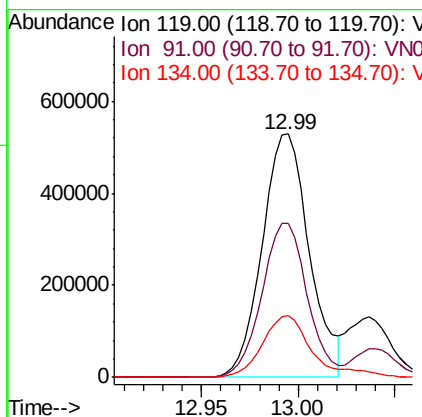
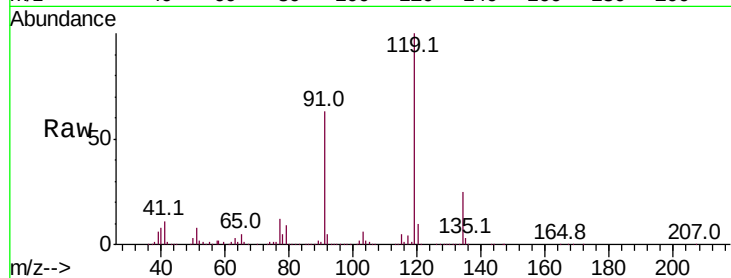
ClientSampleId :

VN0318WBS01

Tot Ion:	119	Resp:	902057
Ion Ratio	Lower	Upper	
119	100		
91	60.7	30.9	92.8
134	26.8	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.155 ug/l

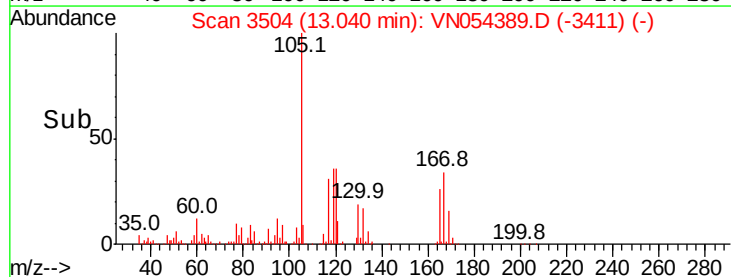
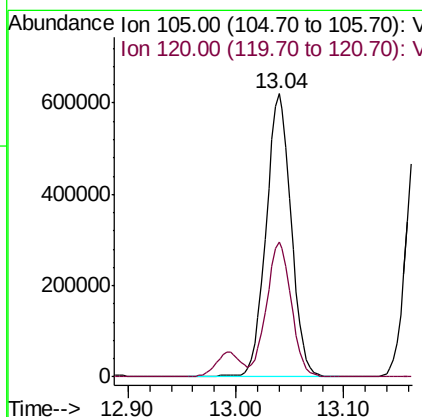
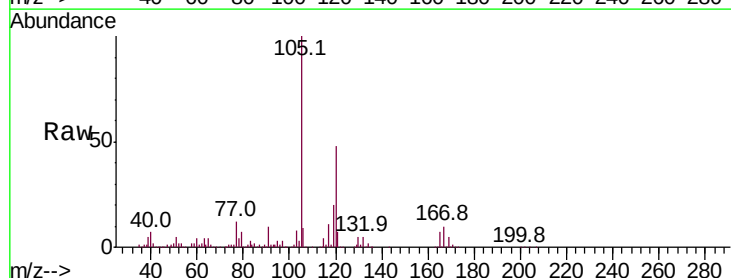
RT: 13.04 min Scan# 3504

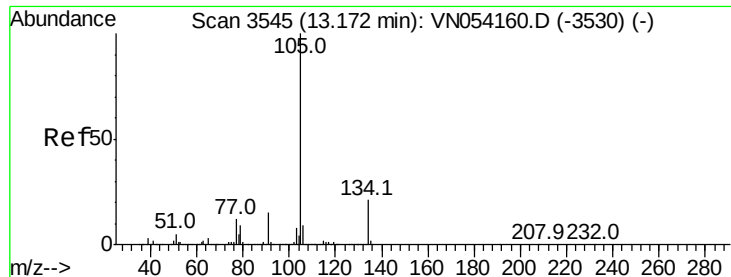
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion:	105	Resp:	994189
Ion Ratio	Lower	Upper	
105	100		
120	47.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.344 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion:105 Resp: 1110795

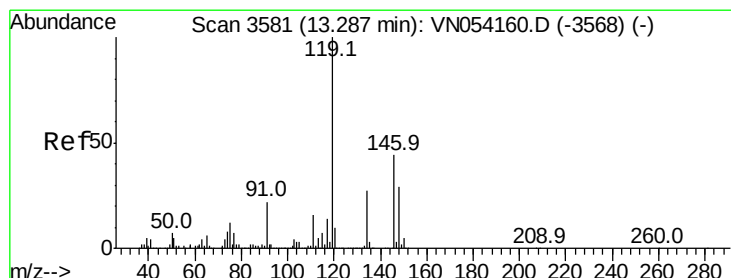
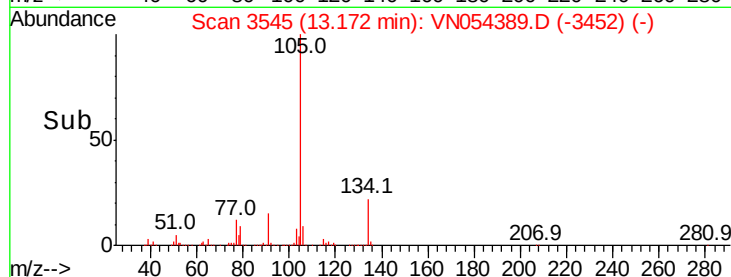
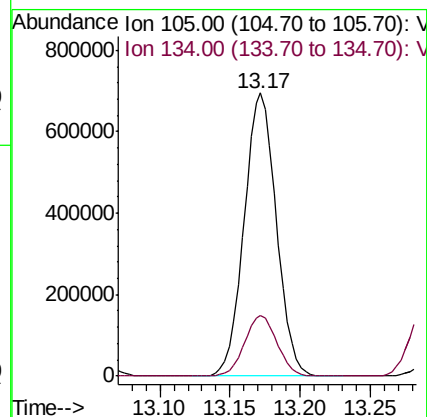
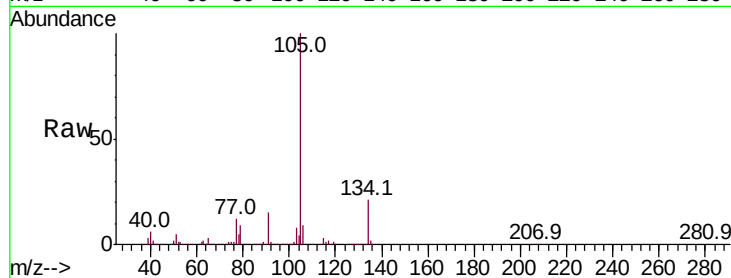
Ion Ratio Lower Upper

105 100

134 21.6 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.768 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

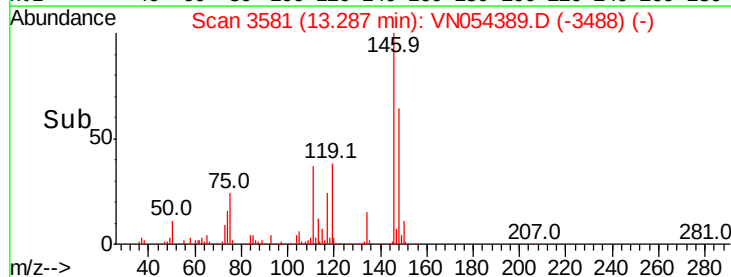
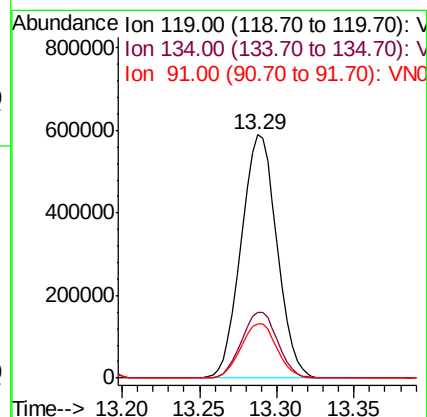
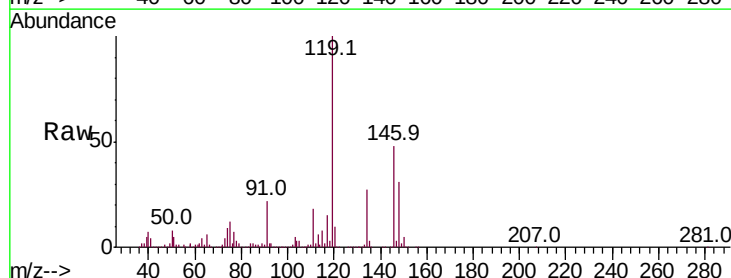
Tgt Ion:119 Resp: 946903

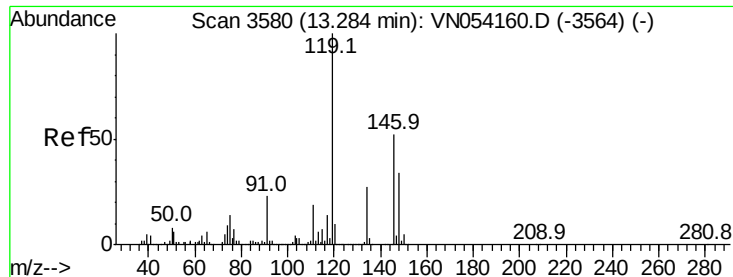
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 22.4 11.1 33.3





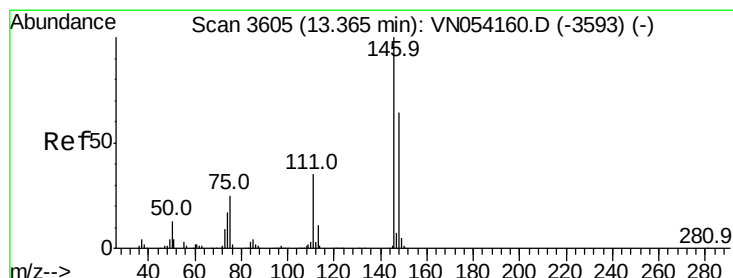
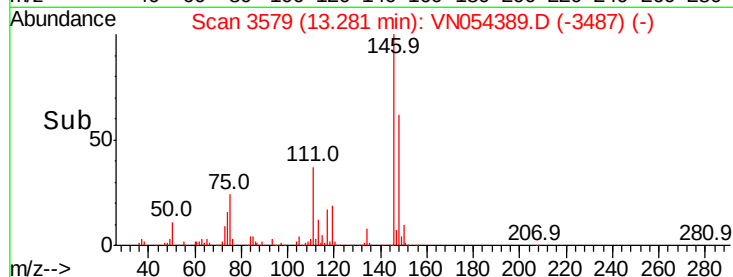
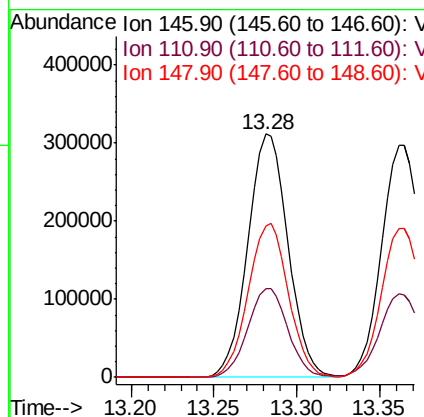
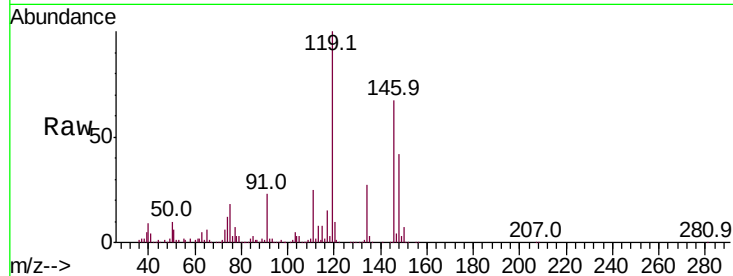
#87
 1,3-Dichlorobenzene
 Concen: 21.446 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.5	18.8	56.3	
148	63.4	32.2	96.6	

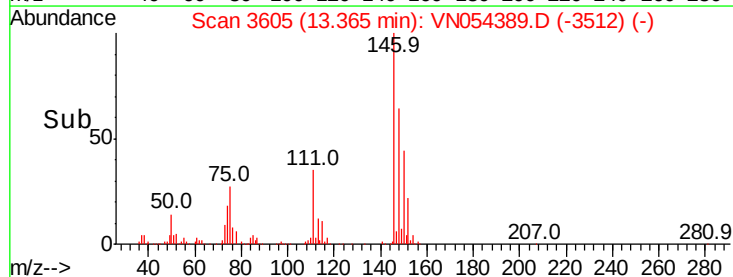
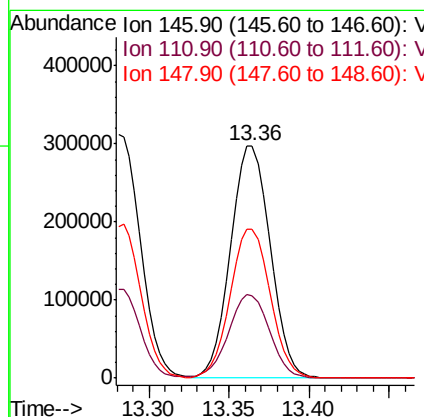
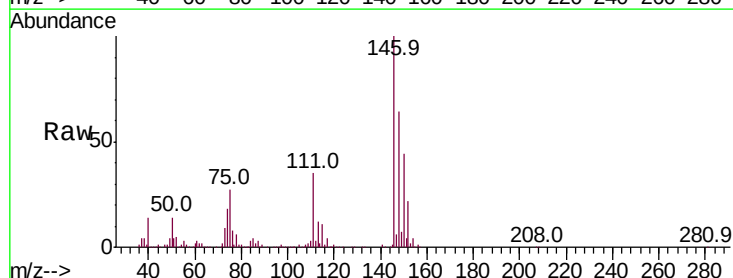
Manual Integrations
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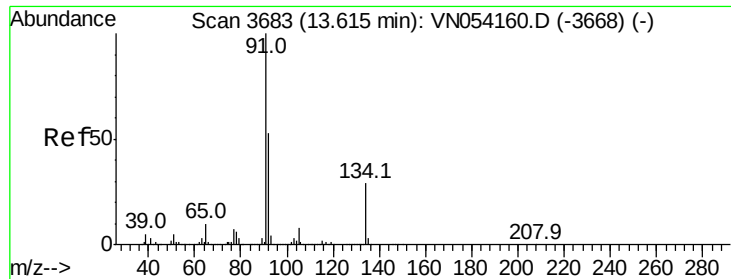
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#88
 1,4-Dichlorobenzene
 Concen: 20.912 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.1	18.1	54.1	
148	64.8	32.0	96.0	





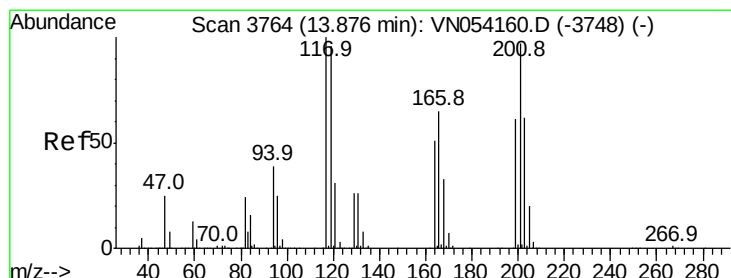
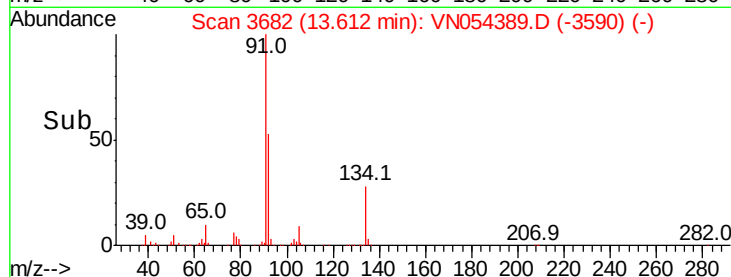
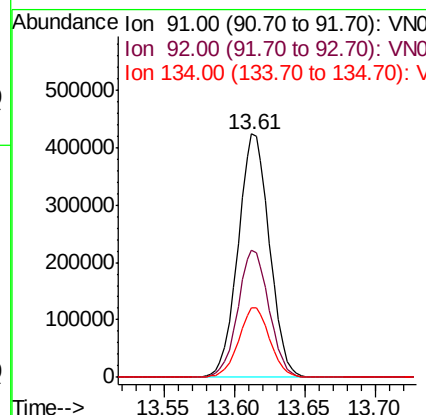
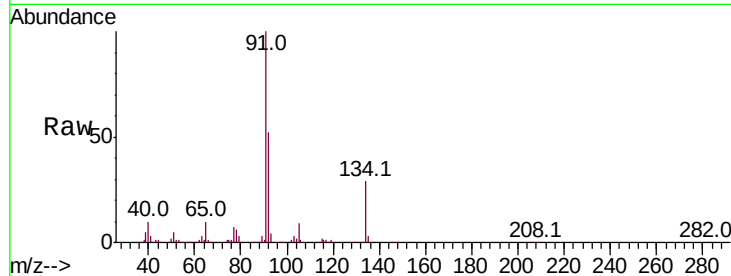
#89
n-Butylbenzene
Concen: 18.069 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	28.5	14.3	42.9

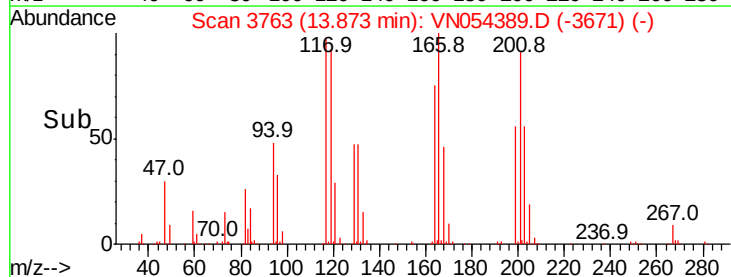
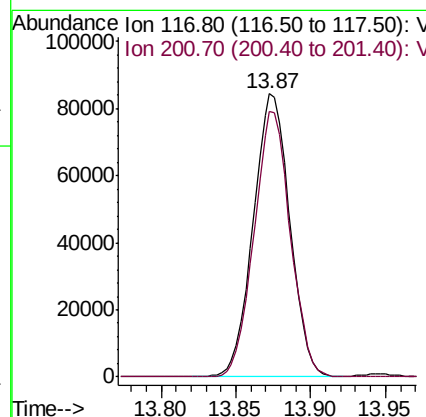
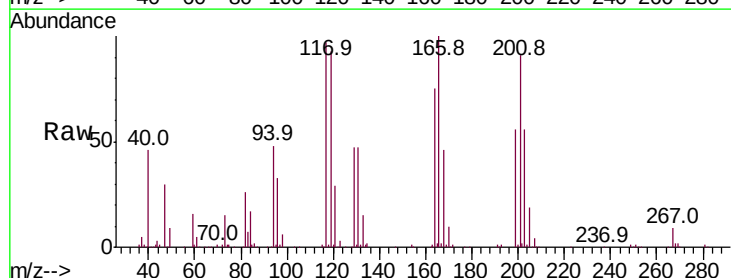
Manual Integrations
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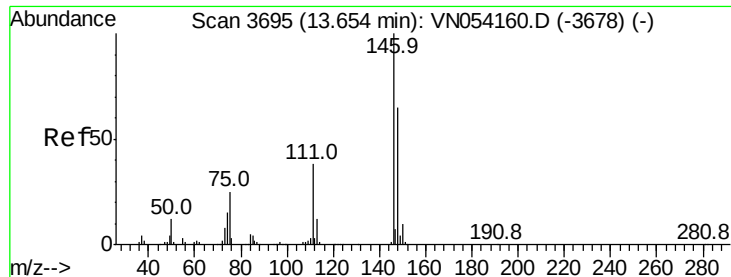
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#90
Hexachloroethane
Concen: 18.102 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 22.272 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

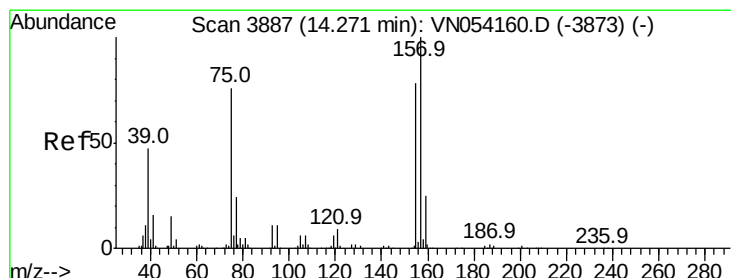
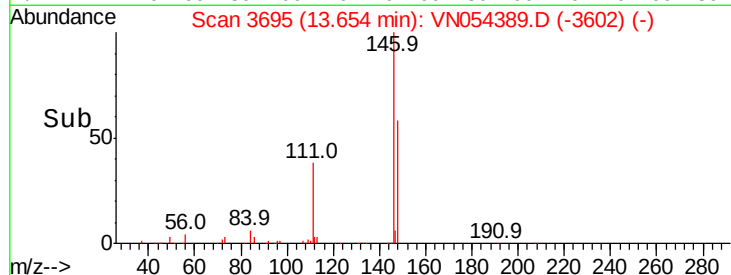
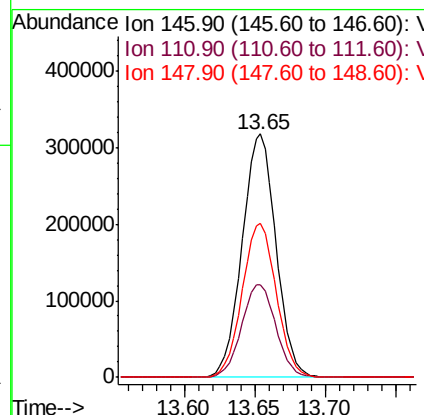
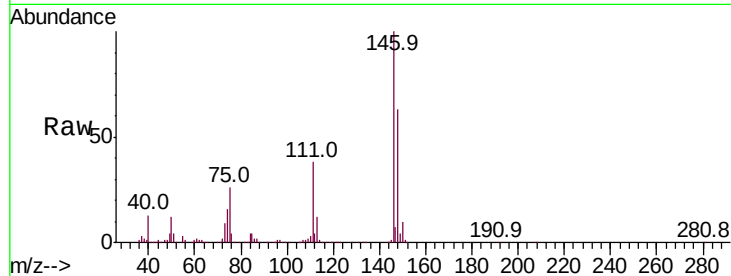
ClientSampleId :

VN0318WBS01

Tot Ion:	146	Resp:	533875
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.1	57.3
148	63.8	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.457 ug/l

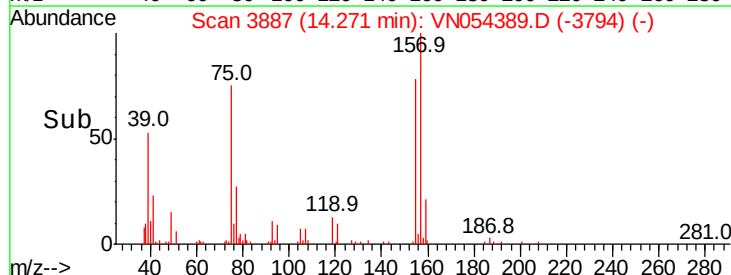
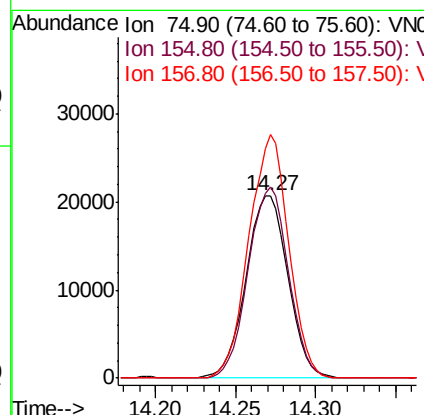
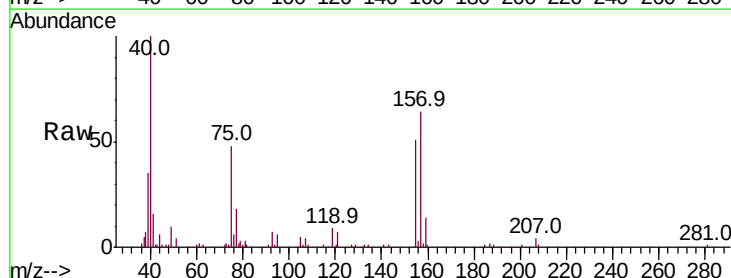
RT: 14.27 min Scan# 3887

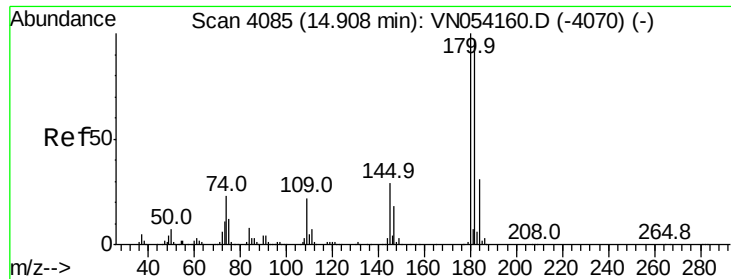
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion:	75	Resp:	37089
Ion Ratio	Lower	Upper	
75	100		
155	100.5	50.1	150.3
157	126.6	63.1	189.3





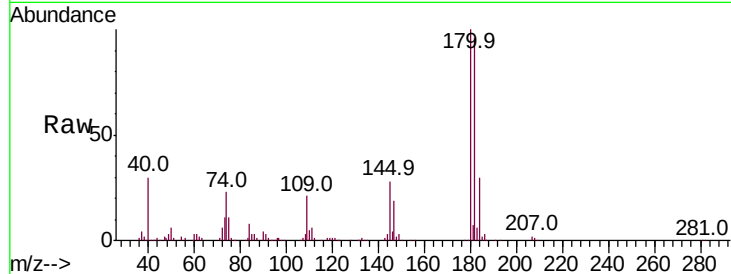
#93
 1,2,4-Trichlorobenzene
 Concen: 17.131 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

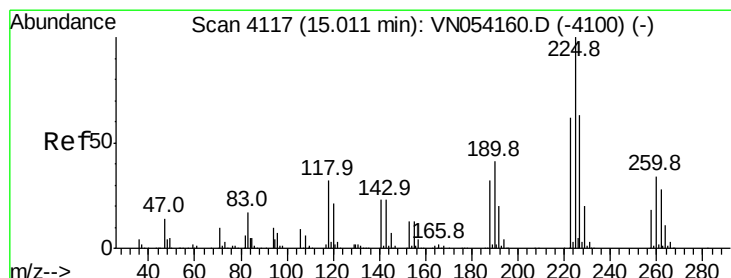
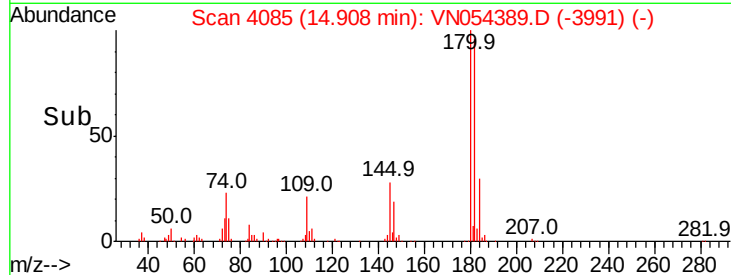
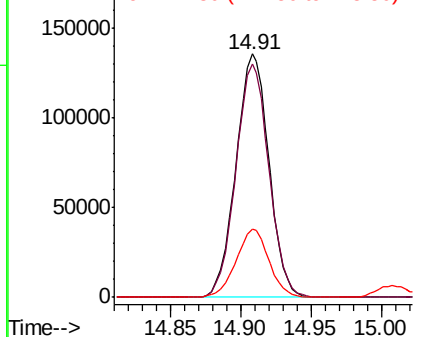
Tot Ion	Ratio	Resp	Lower	Upper
180	100	222703		
182	96.0	48.0	144.2	
145	28.0	14.2	42.8	

Manual Integrations
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 3/19/2019 9:23:52 AM

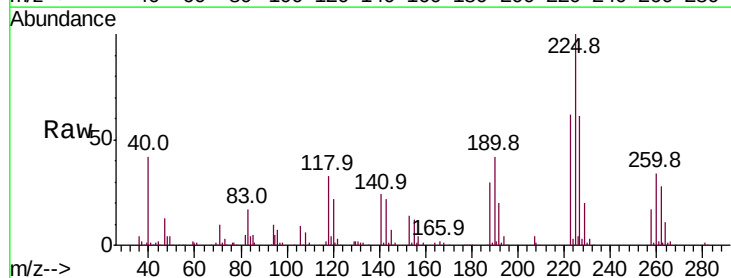


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

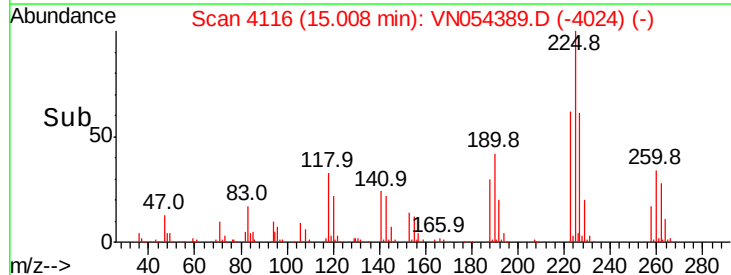
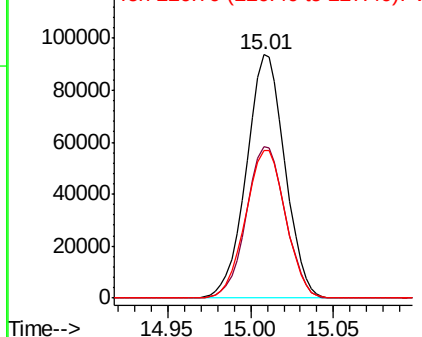


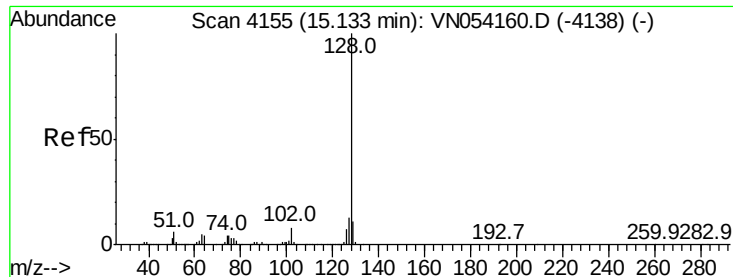
#94
 Hexachlorobutadiene
 Concen: 16.526 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150890		
223	63.2	31.1	93.5	
227	63.2	31.9	95.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





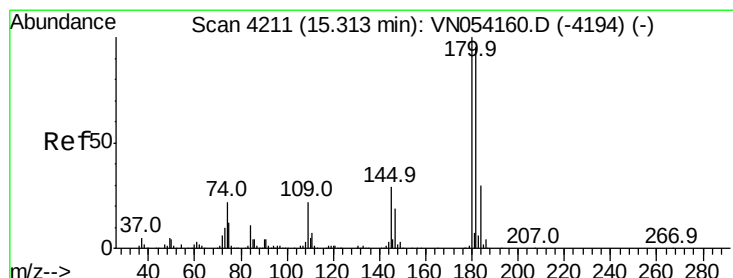
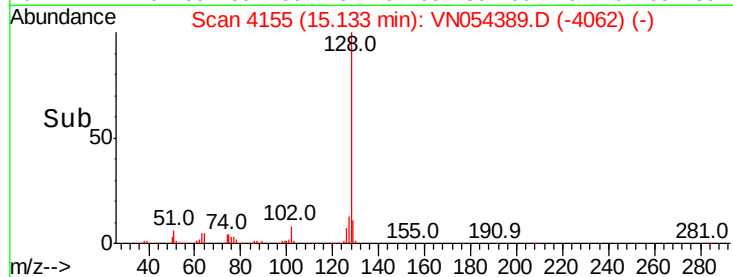
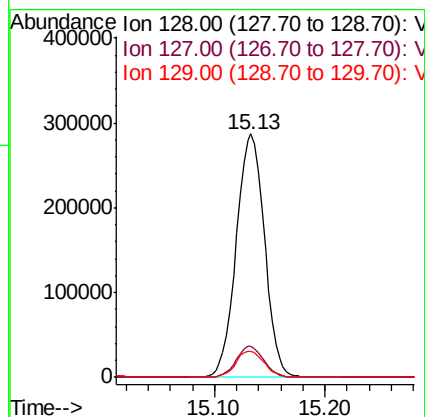
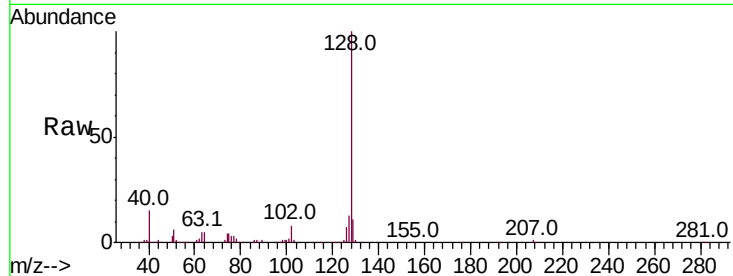
#95
Naphthalene
Concen: 19.204 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.264 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.9	47.5	142.6
145	30.3	14.8	44.3

