

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032953.D
 Acq On : 11 Dec 2018 12:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 00:49:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1229024	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3273254	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3349865	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2586230	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	1794667	10.938 ppbv	99
3) Chlorodifluoromethane	3.02	51	971090	10.433 ppbv	100
4) Chloromethane	3.17	50	528525	9.753 ppbv	97
5) Vinyl Chloride	3.29	62	552991	10.029 ppbv	98
6) Bromomethane	3.52	94	356911	10.350 ppbv	98
7) Chloroethane	3.61	64	208782	10.565 ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1408828	10.333 ppbv	100
9) Propene	3.04	41	382925	10.404 ppbv	99
10) Heptane	8.25	43	1704471	12.329 ppbv	100
11) Trichlorofluoromethane	4.01	101	1568747	10.148 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1455414	11.036 ppbv	98
13) Ethanol	3.65	45	87667	6.918 ppbv	93
14) Bromoethene	3.79	108	454632	10.383 ppbv	100
15) Acetone	3.90	43	968820	9.184 ppbv	99
16) 1,3-Butadiene	3.36	39	451734	10.793 ppbv	95
17) tert-Butyl alcohol	4.36	59	319430	11.893 ppbv #	81
18) 1,1-Dichloroethene	4.35	96	614190	11.891 ppbv	98
19) Isopropyl Alcohol	4.03	45	648936	9.796 ppbv	100
20) Methylene Chloride	4.41	84	536123	10.398 ppbv #	93
21) Allyl Chloride	4.48	41	976747	11.362 ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	608628	9.494 ppbv	96
23) Vinyl Acetate	5.16	43	1870390	10.472 ppbv	99
24) 1,1-Dichloroethane	5.10	63	1488070	9.581 ppbv	99
25) Ethyl Acetate	5.78	43	2533045	10.165 ppbv	100
26) Hexane	5.79	57	1168925	10.160 ppbv	99
27) Carbon Disulfide	4.62	76	1671355	11.619 ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	1843668	10.670 ppbv	99
29) Chloroform	5.86	83	2224793	10.838 ppbv	96
30) Cyclohexane	7.25	84	1058160	11.097 ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1212171	11.481 ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	2231186	10.272 ppbv	100
34) 2-Butanone	5.34	43	1409396	9.885 ppbv	100
35) Carbon Tetrachloride	7.14	117	2405859	9.351 ppbv	99
36) Benzene	7.01	78	2482294	10.310 ppbv	98
37) 1,2-Dichloroethane	6.42	62	1578803	9.632 ppbv	100
38) Trichloroethene	7.97	130	1065764	10.637 ppbv	96
39) 1,2-Dichloropropane	7.75	63	955960	10.470 ppbv	94
40) 1,4-Dioxane	7.96	88	353512	10.511 ppbv #	34
41) Tetrahydrofuran	6.16	42	912964	10.296 ppbv	99
42) Bromodichloromethane	7.93	83	2368472	10.429 ppbv	100
43) Methyl Methacrylate	8.15	69	1025533	11.496 ppbv	99

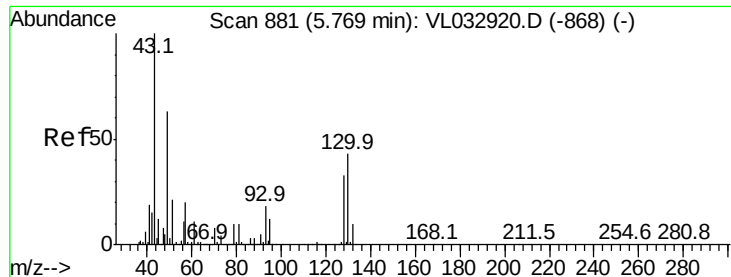
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4386829	10.734	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1393372	12.739	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1572843	11.748	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	1071804	10.665	ppbv	99
48) Dibromochloromethane	10.46	129	2051015	10.879	ppbv	100
49) Bromoform	13.21	173	1741331	11.230	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2397920	10.517	ppbv	99
51) 2-Hexanone	10.28	43	1895496	12.259	ppbv #	100
52) Tetrachloroethene	11.38	164	962978	10.996	ppbv	98
53) Toluene	9.96	91	3235494	12.671	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1683039	10.720	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1439531	9.639	ppbv	99
57) Chlorobenzene	12.31	112	2302524	9.517	ppbv	97
58) Ethyl Benzene	12.87	91	4122219	11.535	ppbv	99
59) m/p-Xylene	13.15	91	3457191	10.671	ppbv #	100
60) o-Xylene	13.86	91	3639630	11.124	ppbv	100
61) Styrene	13.69	104	2645753	12.156	ppbv	99
62) Isopropylbenzene	14.84	105	5287741	11.584	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2500319	9.842	ppbv	100
64) n-propylbenzene	15.73	120	1240752	10.465	ppbv	99
65) tert-Butylbenzene	16.92	119	4581949	10.827	ppbv	99
66) Benzyl Chloride	17.16	91	2544698	10.849	ppbv	100
67) sec-Butylbenzene	17.47	105	5975048	9.576	ppbv	100
69) p-Isopropyltoluene	17.82	119	4987678	9.864	ppbv	99
70) n-Butylbenzene	18.72	91	5105928	10.976	ppbv	100
71) 2-Chlorotoluene	15.63	91	3604753	10.619	ppbv	99
72) 4-Ethyltoluene	16.01	105	3962814	10.849	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	4018779	11.270	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	4185955	10.396	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	2200137	9.279	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2133252	9.642	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2121017	9.579	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1382929	11.356	ppbv	99
79) Naphthalene	22.42	128	2987608	11.491	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	903881	16.272	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1477918	10.719	ppbv	99

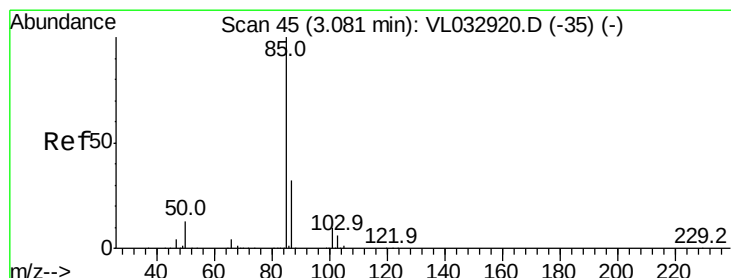
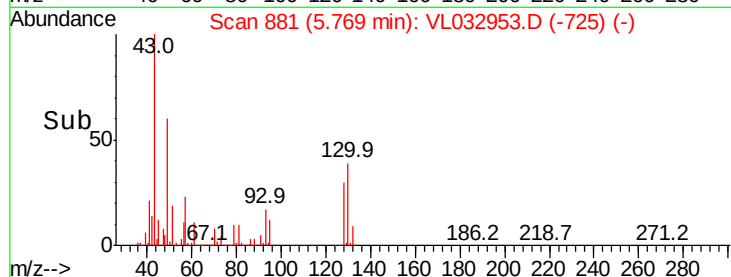
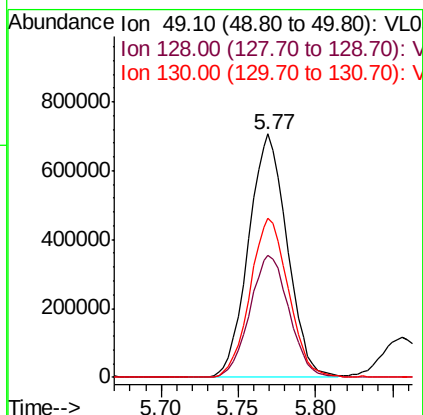
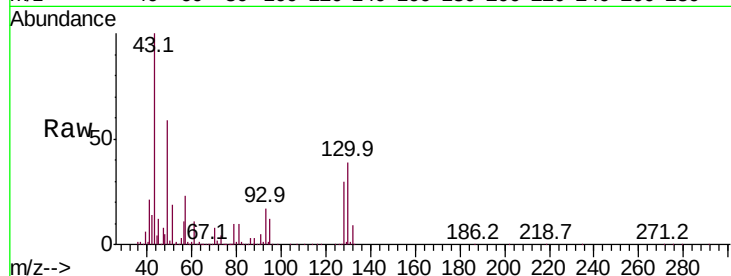
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

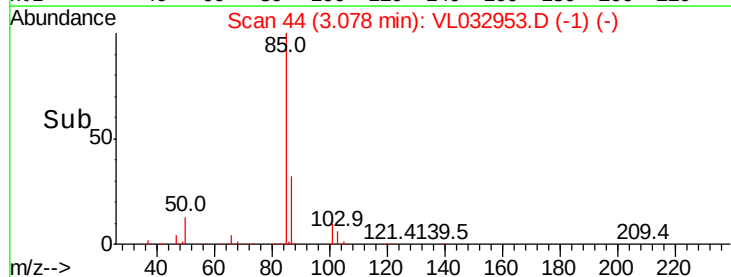
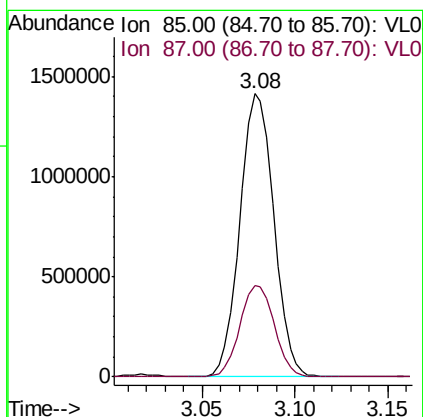
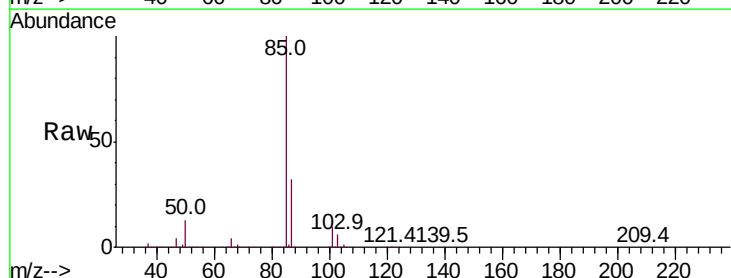
Instrument :
MSVOA_L
ClientSampleId :

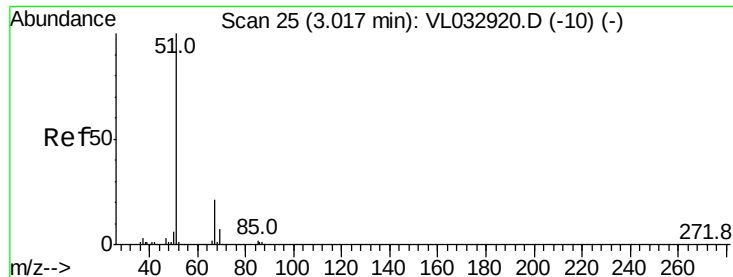
Tot Ion: 49 Resp: 1229024
Ion Ratio Lower Upper
49 100
128 51.1 26.3 78.8
130 65.3 33.9 101.7



#2
Dichlorodifluoromethane
Concen: 10.938 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion: 85 Resp: 1794667
Ion Ratio Lower Upper
85 100
87 32.4 25.7 38.5

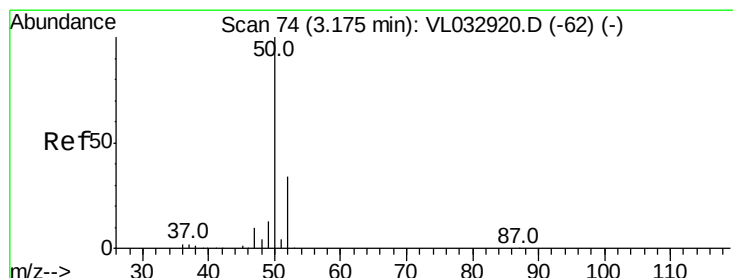
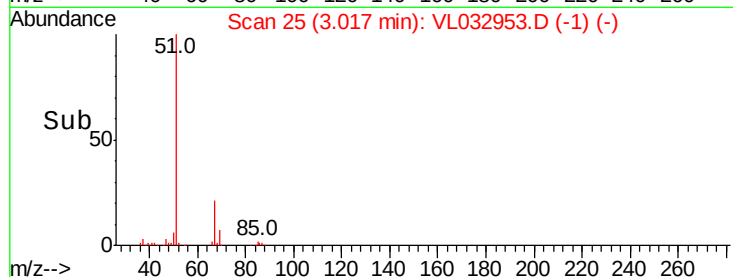
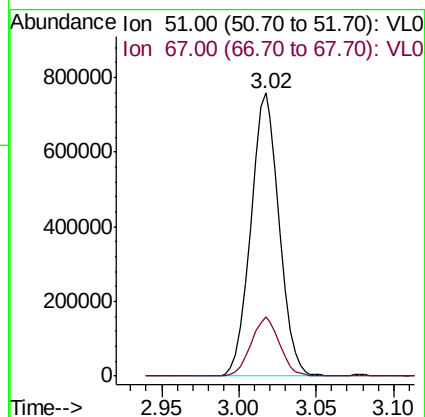
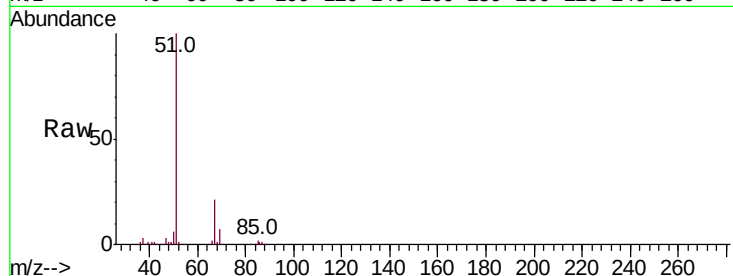




#3
 Chlorodifluoromethane
 Concen: 10.433 ppbv
 RT: 3.02 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

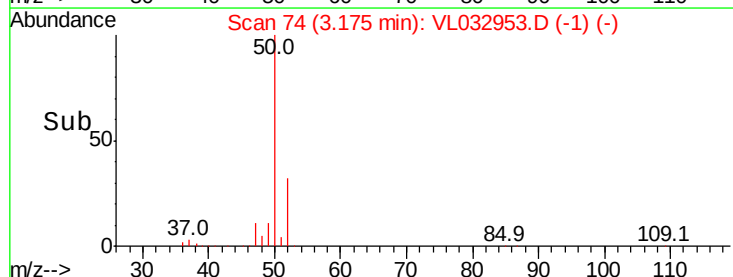
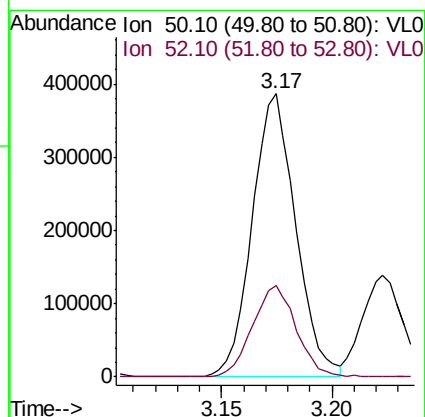
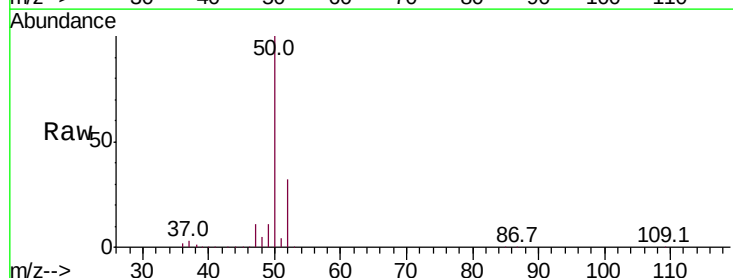
Instrument :
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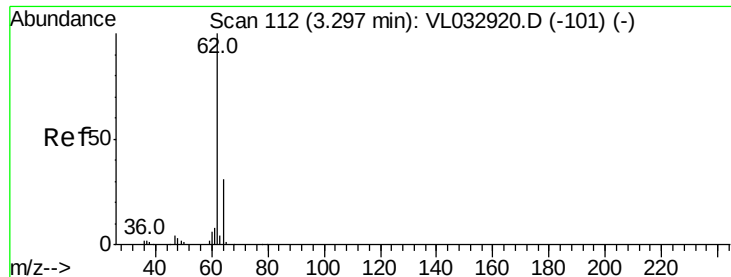
Tot Ion: 51 Resp: 971090
 Ion Ratio Lower Upper
 51 100
 67 21.0 16.8 25.2



#4
 Chloromethane
 Concen: 9.753 ppbv
 RT: 3.17 min Scan# 74
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Tgt Ion: 50 Resp: 528525
 Ion Ratio Lower Upper
 50 100
 52 32.3 27.3 40.9





#5

Vinyl Chloride

Concen: 10.029 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

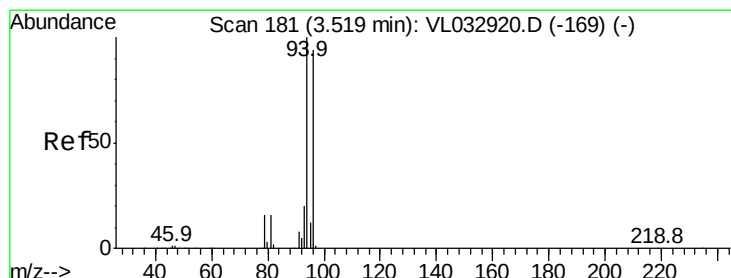
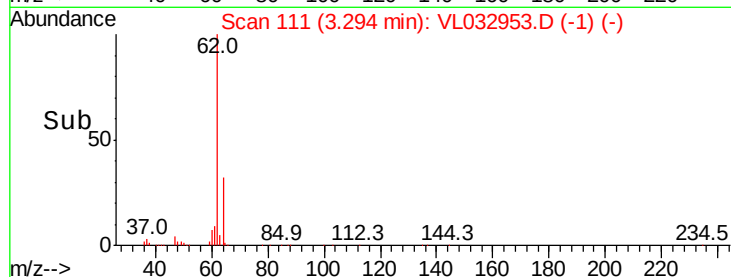
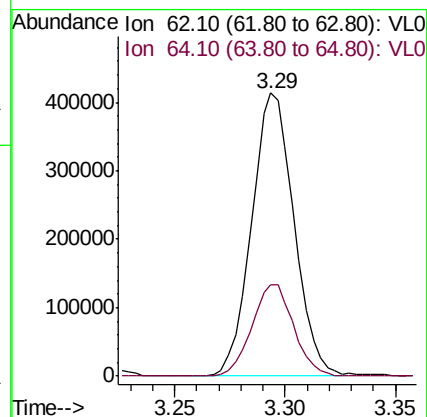
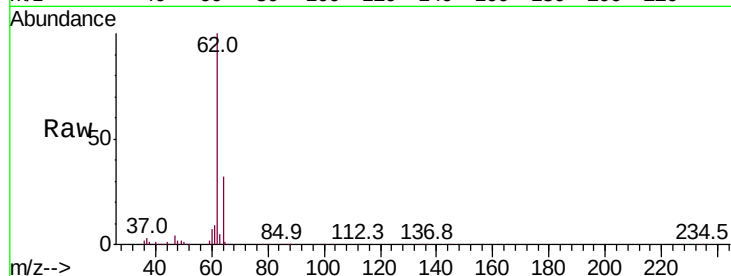
ClientSampleId :

Tot Ion: 62 Resp: 552991

Ion Ratio Lower Upper

62 100

64 32.3 24.8 37.2



#6

Bromomethane

Concen: 10.350 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032953.D

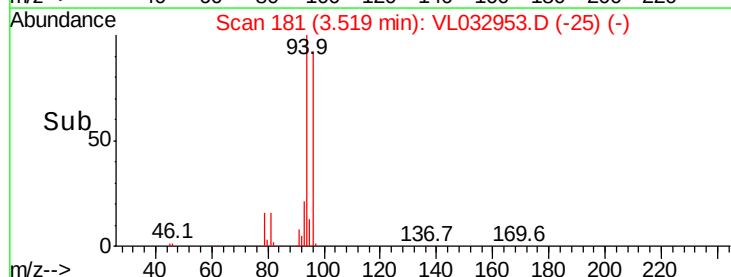
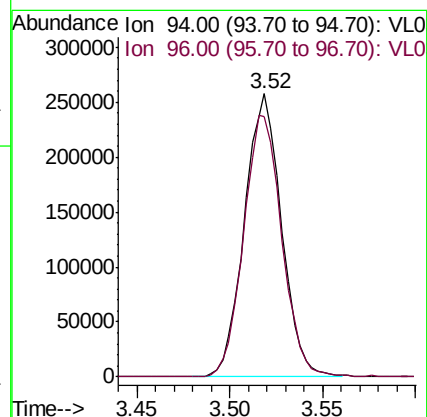
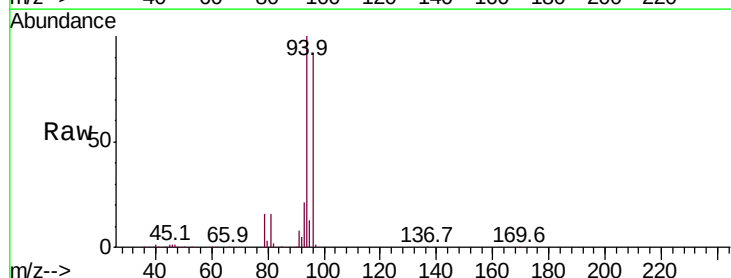
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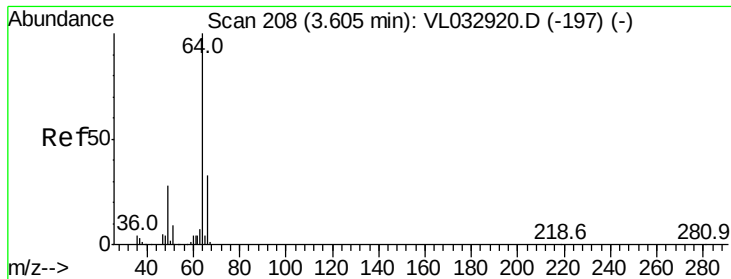
Tgt Ion: 94 Resp: 356911

Ion Ratio Lower Upper

94 100

96 92.2 75.5 113.3





#7

Chloroethane

Concen: 10.565 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

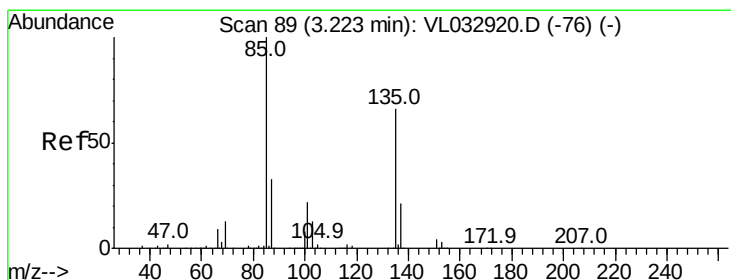
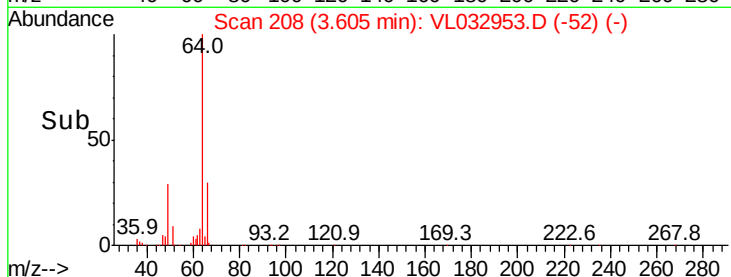
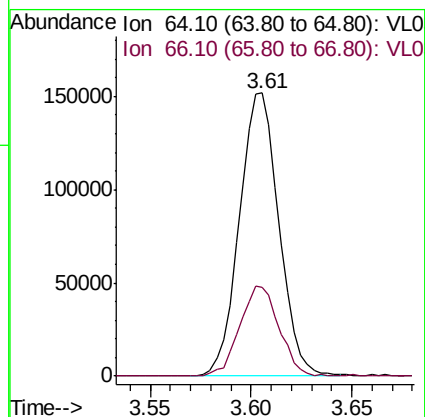
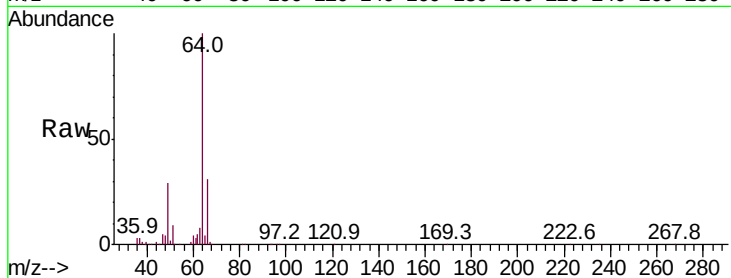
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 64 Resp: 208782

Ion Ratio Lower Upper

64 100

66 31.2 26.6 40.0



#8

Dichlorotetrafluoroethane

Concen: 10.333 ppbv

RT: 3.22 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL032953.D

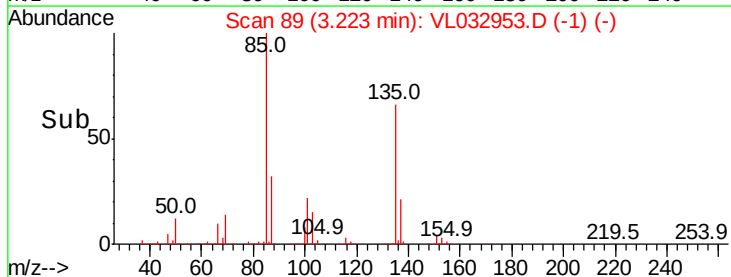
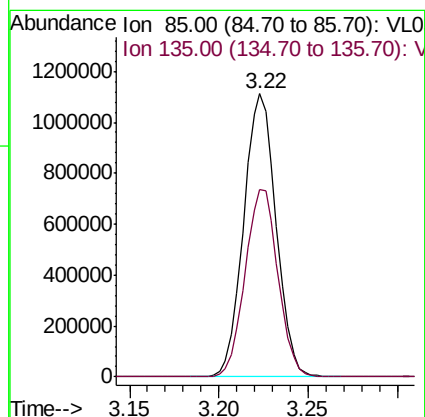
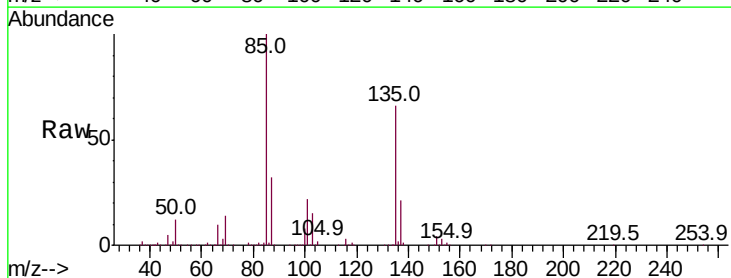
Acq: 11 Dec 2018 12:51

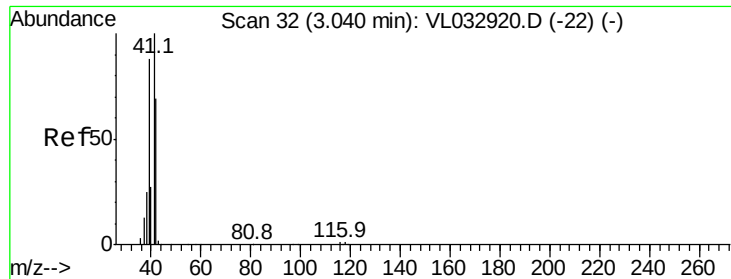
Tgt Ion: 85 Resp: 1408828

Ion Ratio Lower Upper

85 100

135 67.8 54.5 81.7





#9

Propene

Concen: 10.404 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

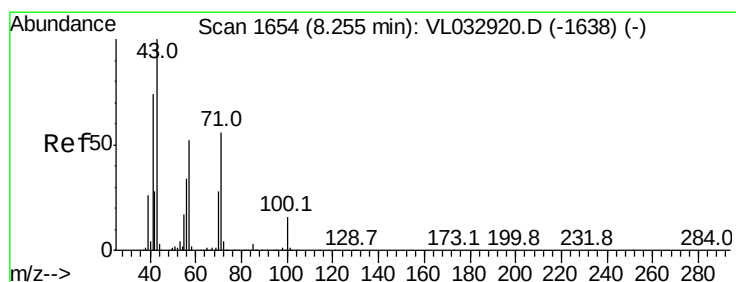
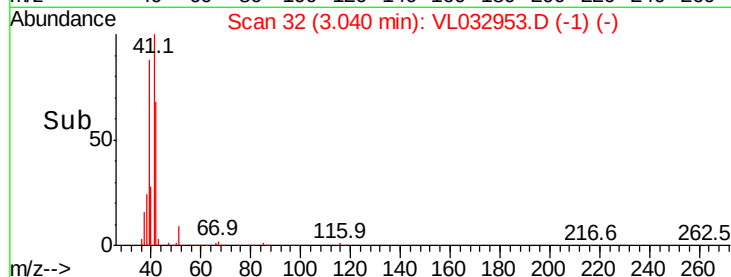
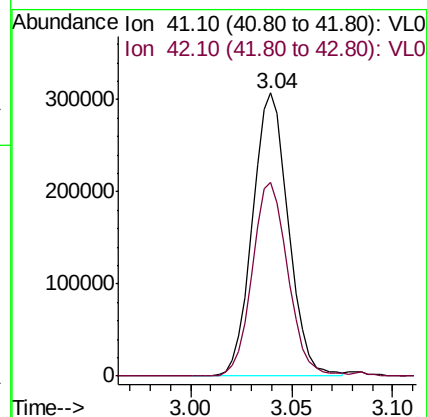
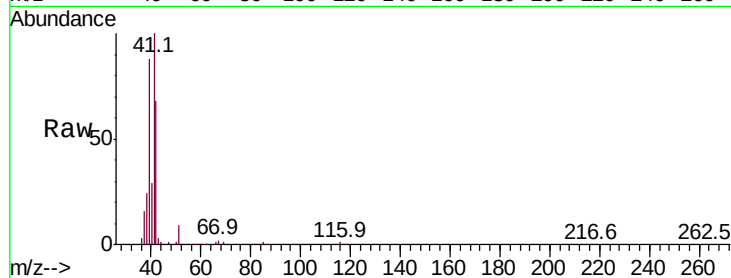
ClientSampleId :

Tot Ion: 41 Resp: 382925

Ion Ratio Lower Upper

41 100

42 69.2 56.2 84.2



#10

Heptane

Concen: 12.329 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL032953.D

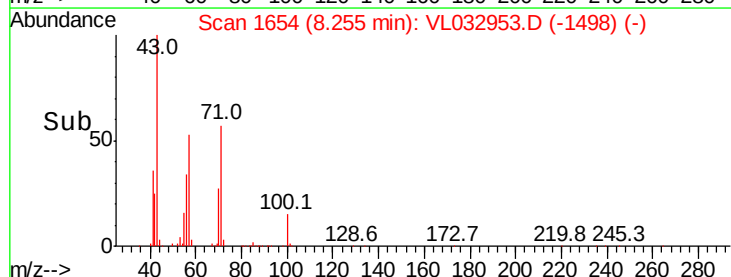
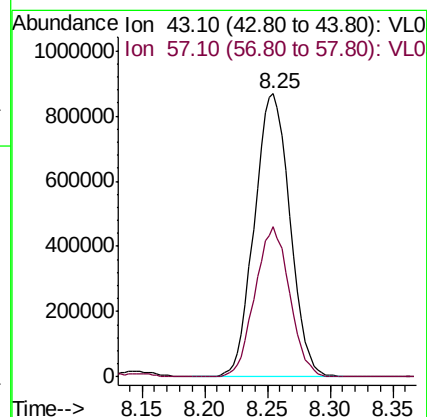
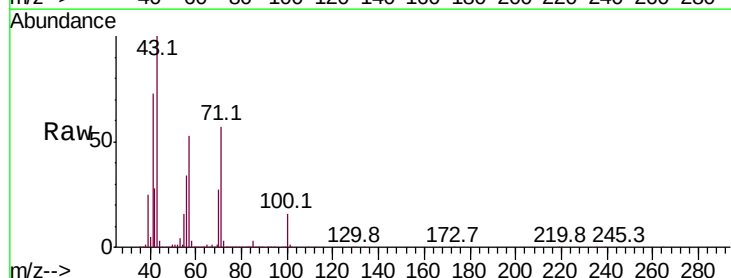
Acq: 11 Dec 2018 12:51

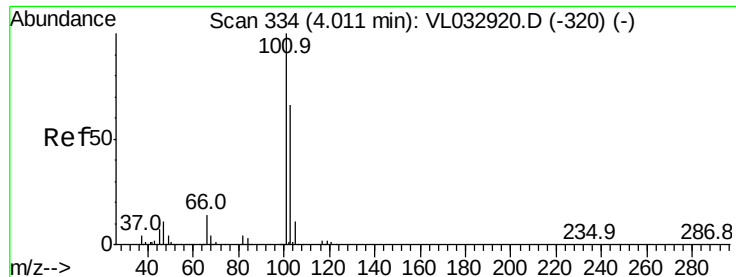
Tgt Ion: 43 Resp: 1704471

Ion Ratio Lower Upper

43 100

57 51.9 41.8 62.6

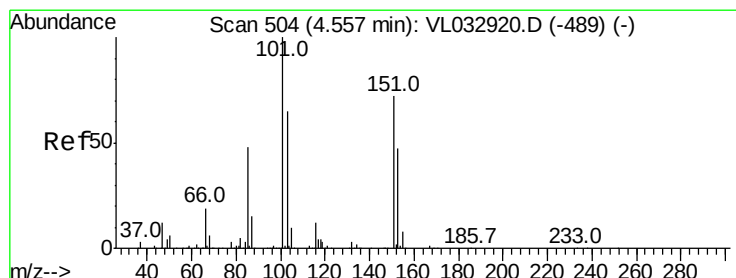
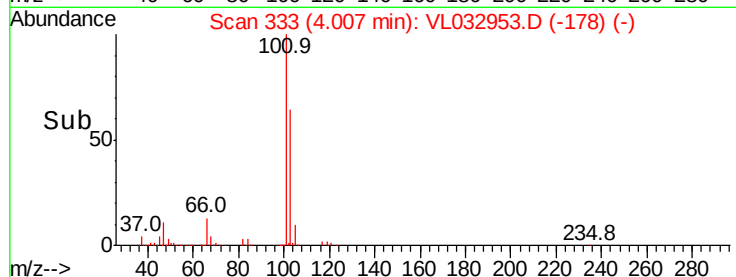
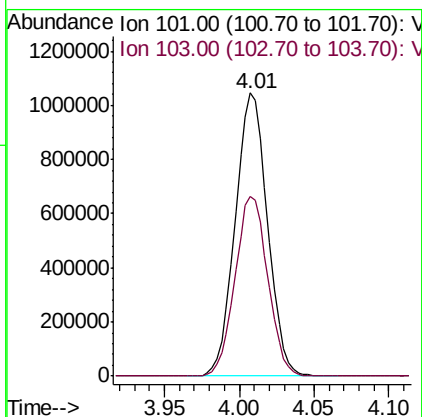
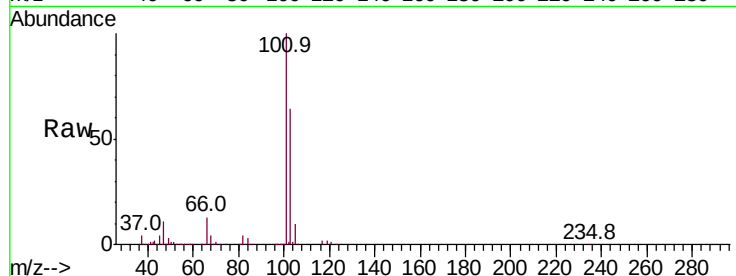




#11
 Trichlorofluoromethane
 Concen: 10.148 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

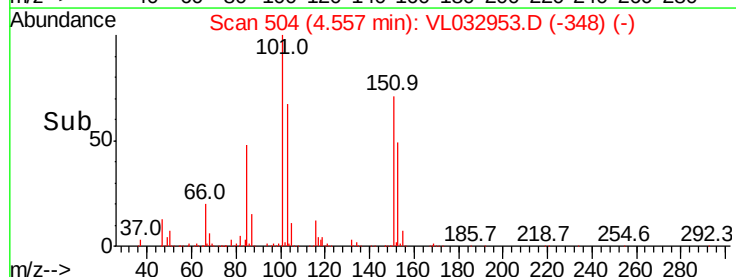
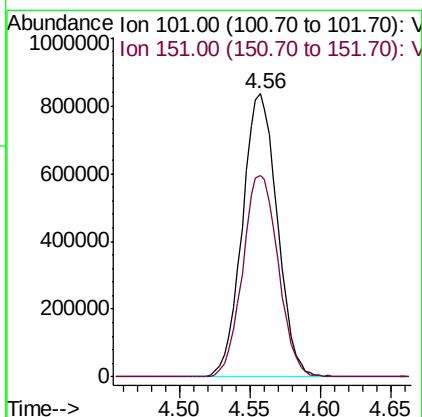
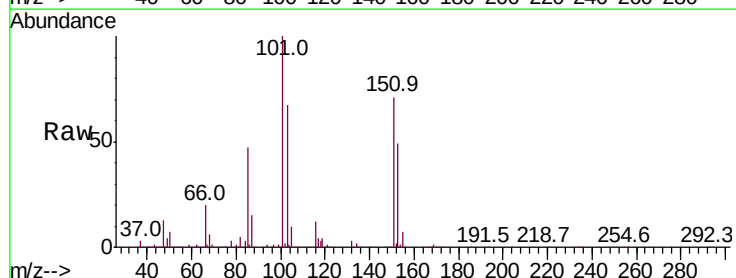
Instrument :
 MSVOA_L
 ClientSampleId :

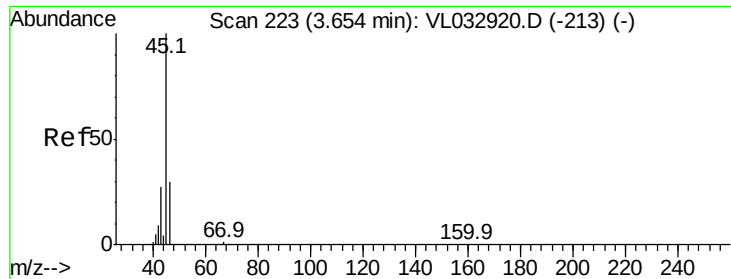
Tot Ion:101 Resp: 1568747
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.036 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Tgt Ion:101 Resp: 1455414
 Ion Ratio Lower Upper
 101 100
 151 72.3 59.3 88.9

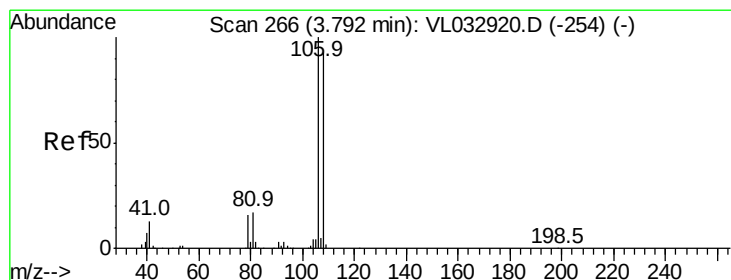
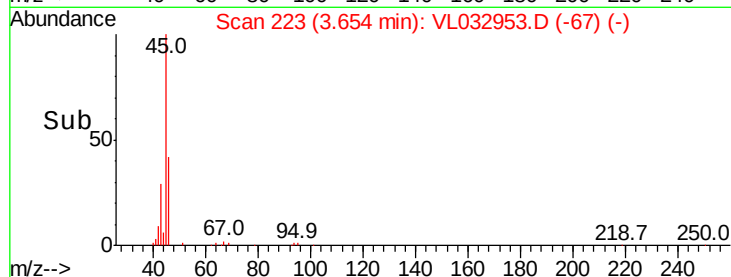
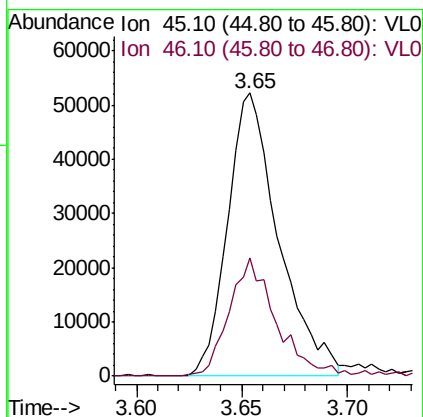
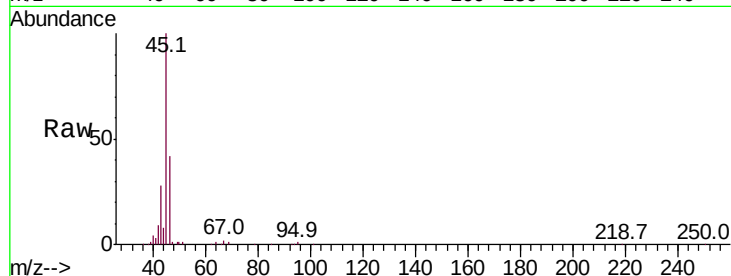




#13
Ethanol
Concen: 6.918 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

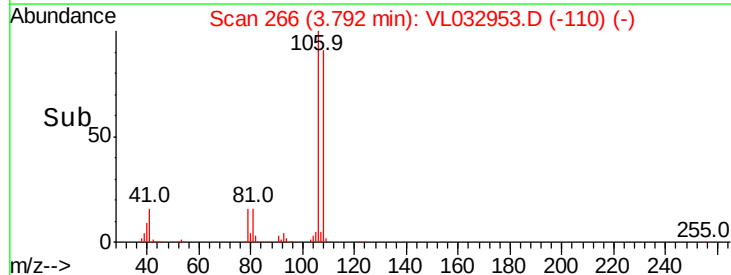
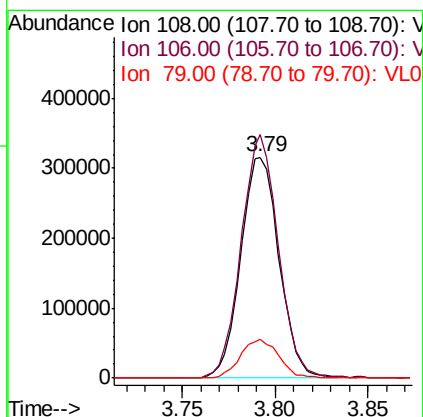
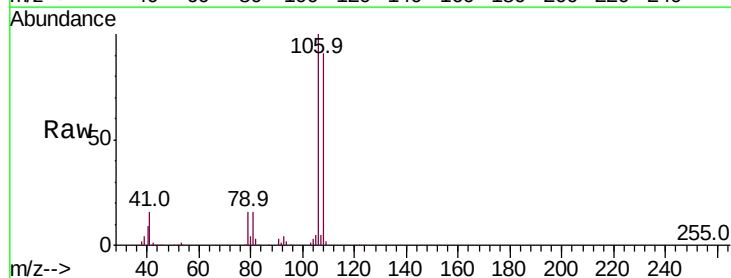
Instrument :
MSVOA_L
ClientSampled :

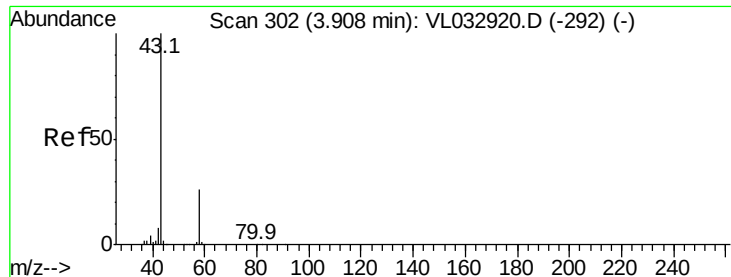
Tot Ion: 45 Resp: 87667
Ion Ratio Lower Upper
45 100
46 38.7 13.8 55.4



#14
Bromoethene
Concen: 10.383 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion: 108 Resp: 454632
Ion Ratio Lower Upper
108 100
106 107.2 85.4 128.2
79 18.0 14.6 21.8





#15

Acetone

Concen: 9.184 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

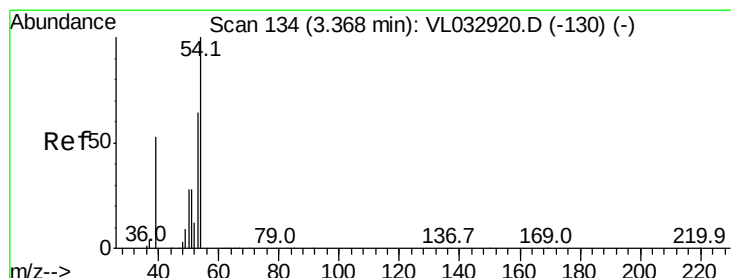
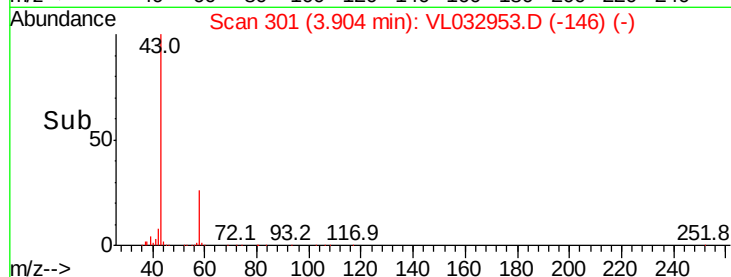
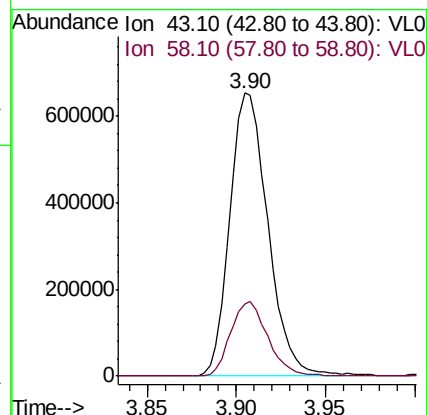
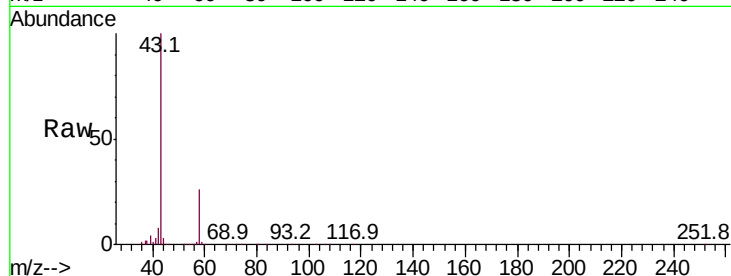
ClientSampleId :

Tot Ion: 43 Resp: 968820

Ion Ratio Lower Upper

43 100

58 26.0 20.6 30.8



#16

1,3-Butadiene

Concen: 10.793 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL032953.D

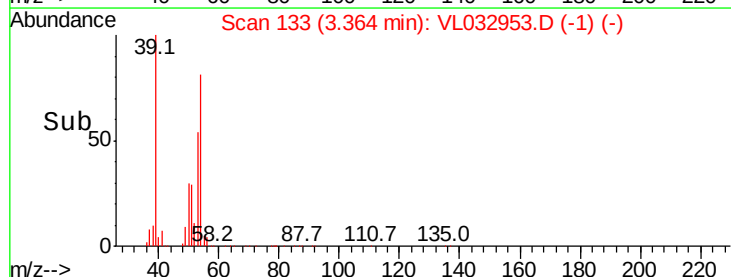
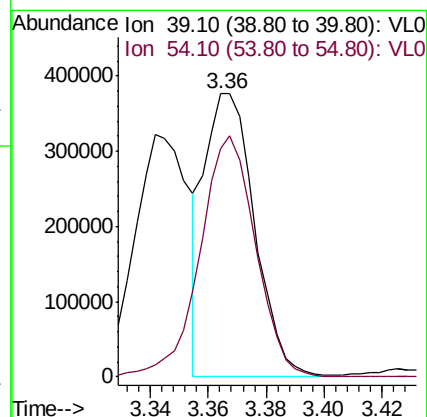
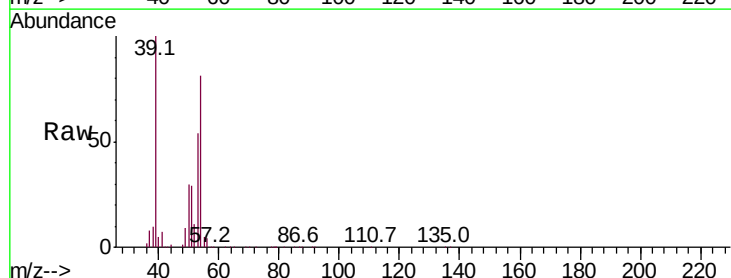
Acq: 11 Dec 2018 12:51

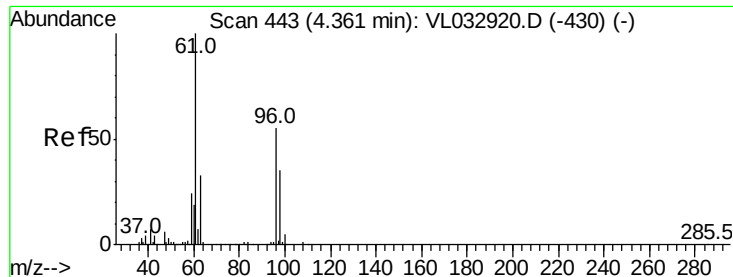
Tgt Ion: 39 Resp: 451734

Ion Ratio Lower Upper

39 100

54 95.3 72.7 109.1





#17

tert-Butyl alcohol

Concen: 11.893 ppbv

RT: 4.36 min Scan# 444

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

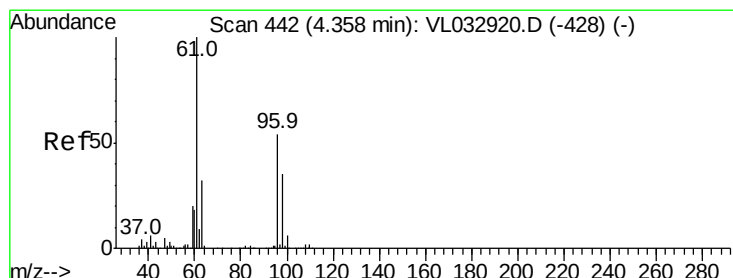
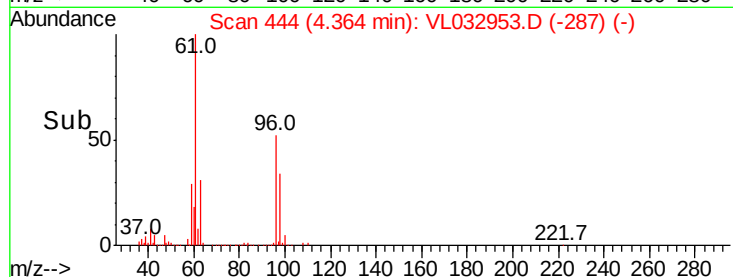
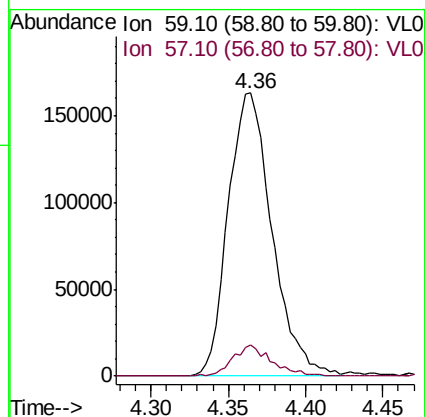
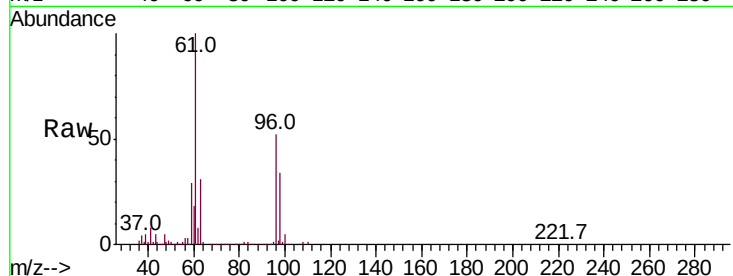
ClientSampleId :

Tot Ion: 59 Resp: 319430

Ion Ratio Lower Upper

59 100

57 9.9 0.6 1.0#



#18

1,1-Dichloroethene

Concen: 11.891 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

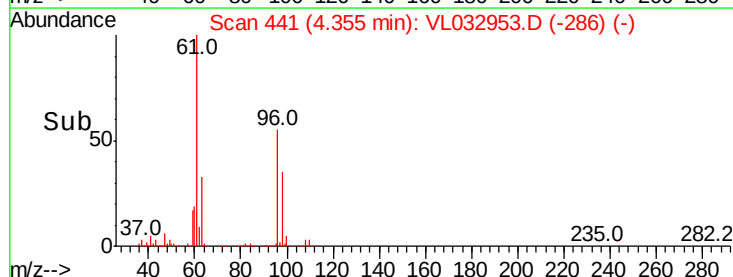
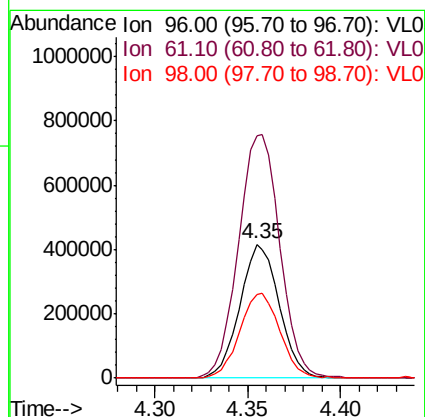
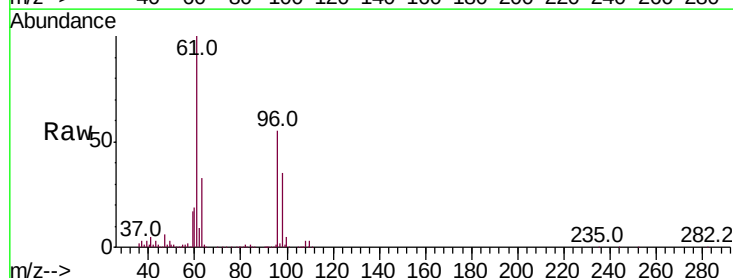
Tgt Ion: 96 Resp: 614190

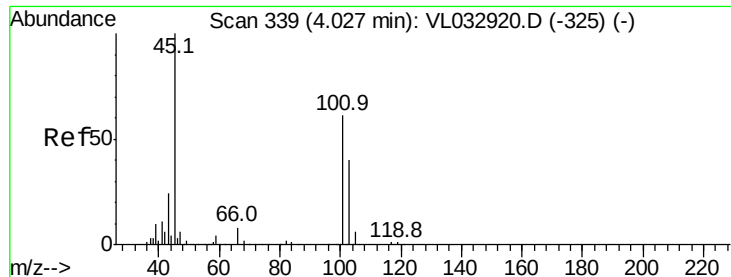
Ion Ratio Lower Upper

96 100

61 181.0 147.0 220.4

98 62.5 50.7 76.1





#19

Isopropyl Alcohol

Concen: 9.796 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

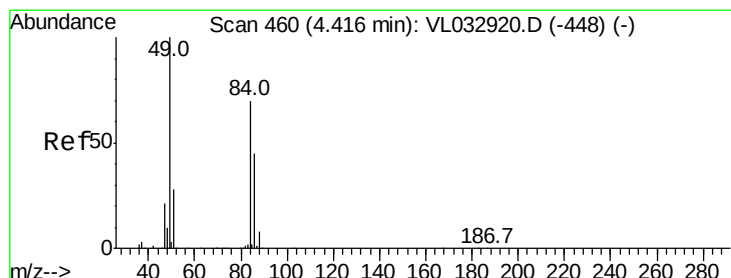
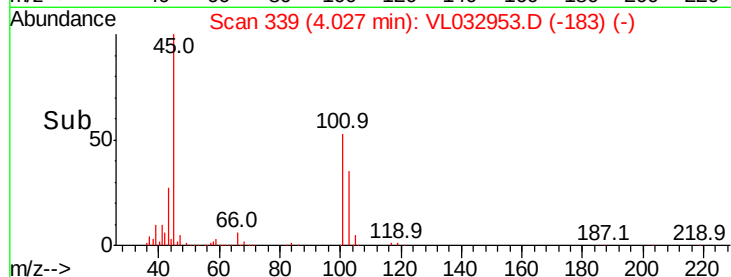
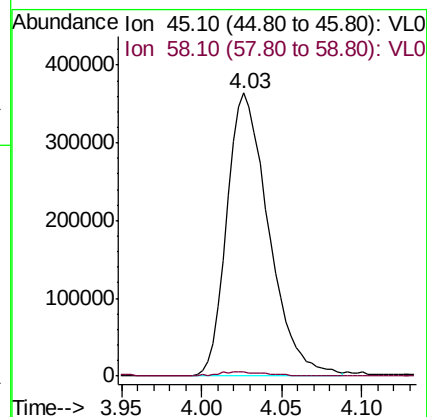
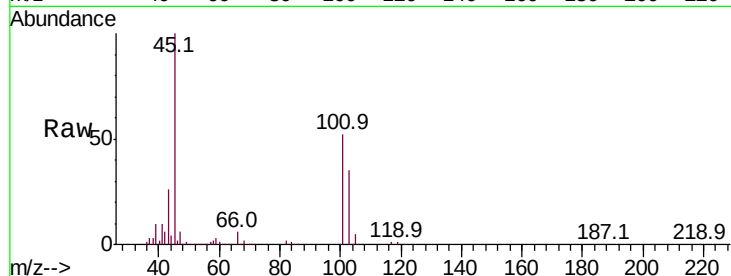
ClientSampled :

Tot Ion: 45 Resp: 648936

Ion Ratio Lower Upper

45 100

58 1.9 1.4 2.2



#20

Methylene Chloride

Concen: 10.398 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Tgt Ion: 84 Resp: 536123

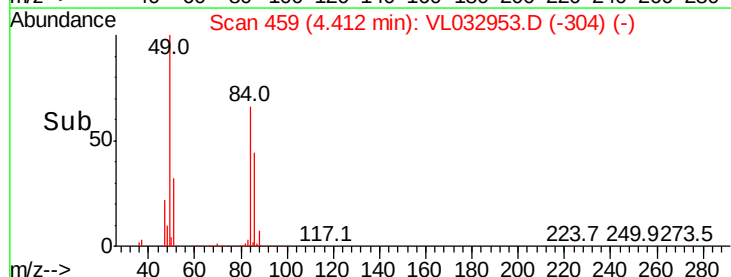
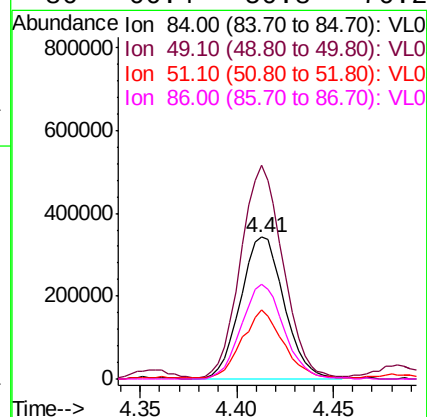
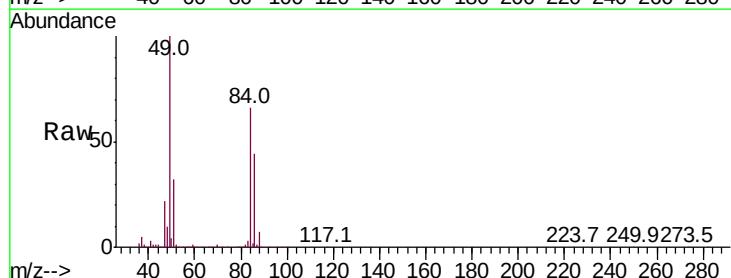
Ion Ratio Lower Upper

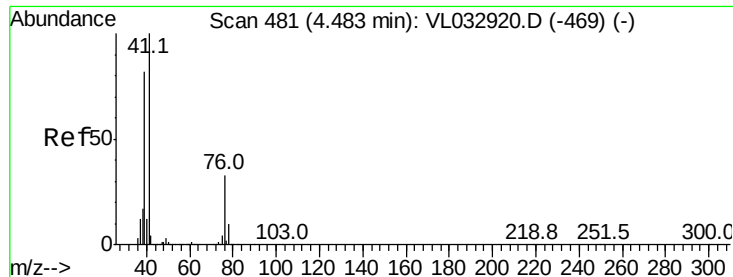
84 100

49 149.8 113.8 170.8

51 48.1 31.8 47.8#

86 66.4 50.8 76.2





#21

Allvl Chloride

Concen: 11.362 ppbv

RT: 4.48 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

ClientSampleId :

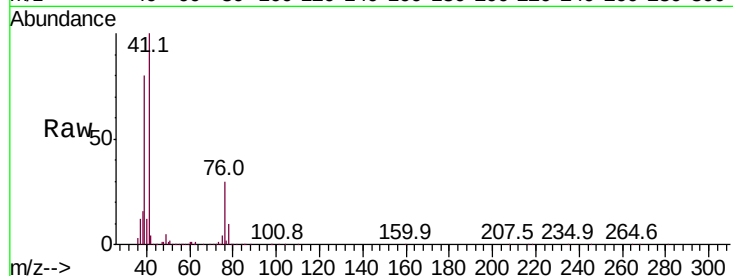
Tot Ion: 41 Resp: 976747

Ion Ratio Lower Upper

41 100

76 30.8 25.2 37.8

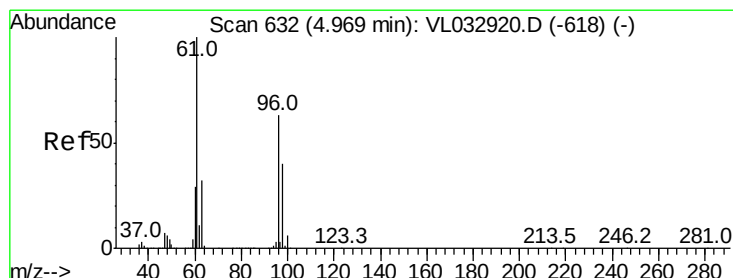
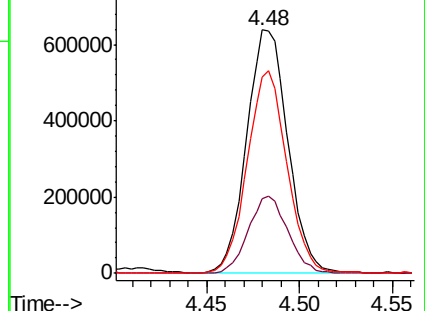
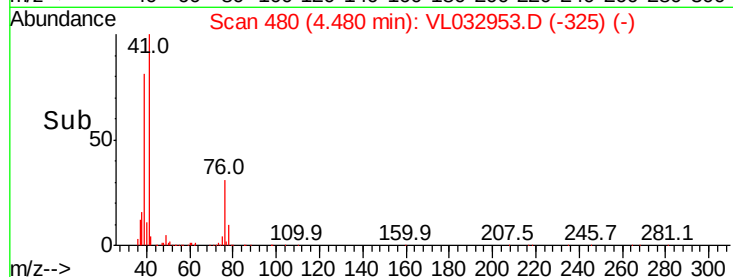
39 80.7 65.2 97.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.494 ppbv

RT: 4.97 min Scan# 632

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

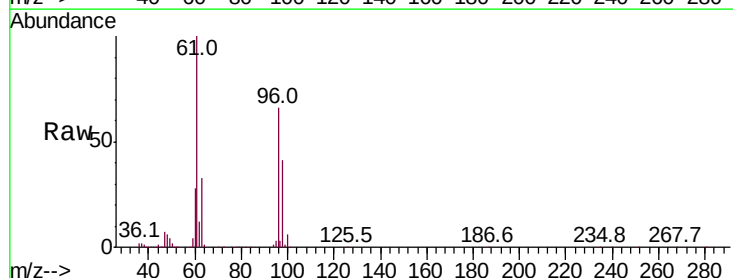
Tgt Ion: 96 Resp: 608628

Ion Ratio Lower Upper

96 100

61 151.9 127.1 190.7

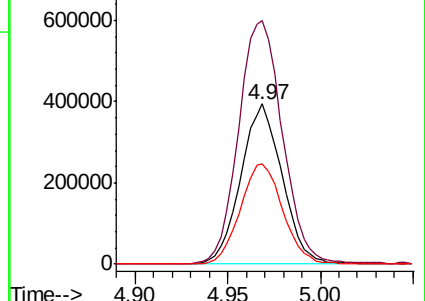
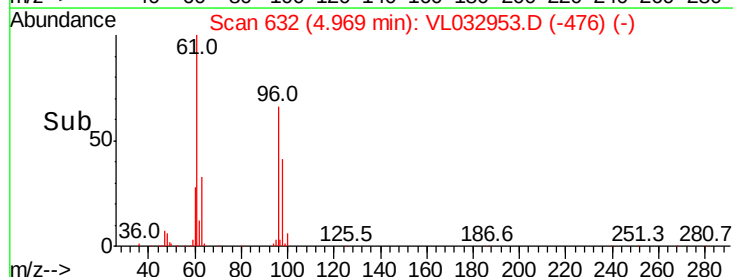
98 62.3 51.3 76.9

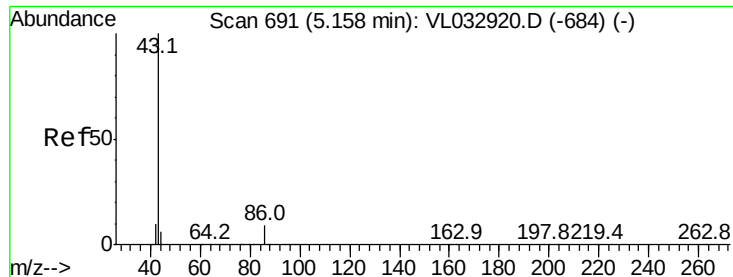


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.472 ppbv

RT: 5.16 min Scan# 691

Delta R.T. -0.00 min

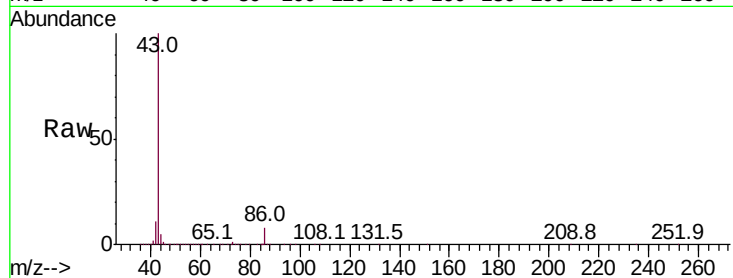
Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

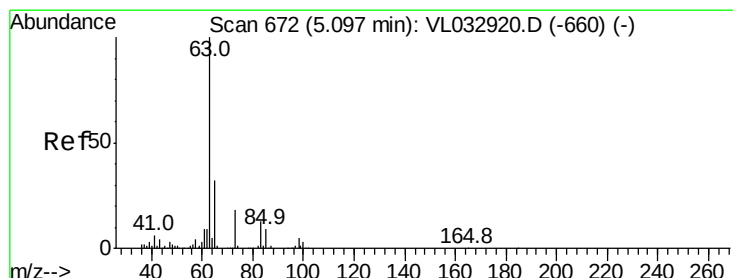
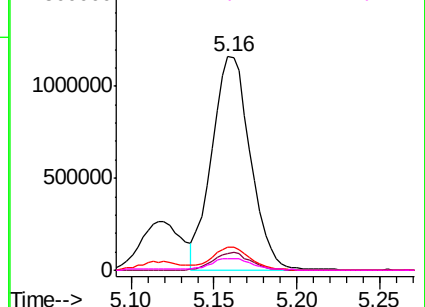
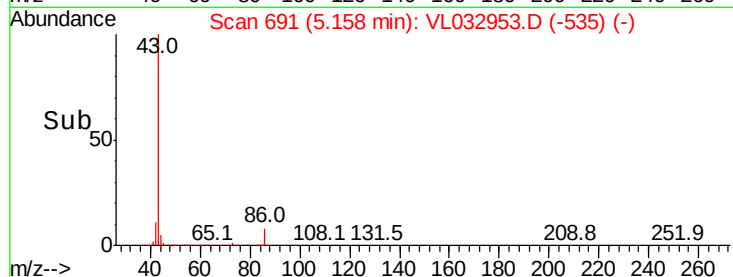
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1870390

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.6	9.8
42	10.6	8.3	12.5
44	5.0	4.2	6.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.581 ppbv

RT: 5.10 min Scan# 672

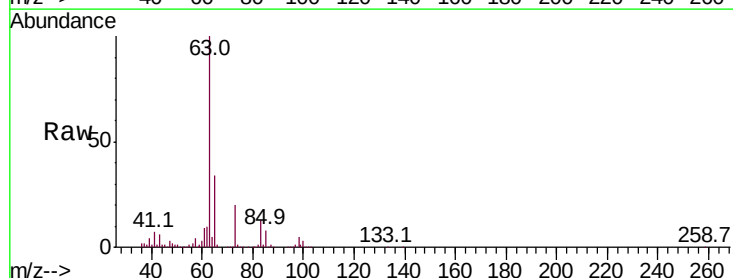
Delta R.T. 0.00 min

Lab File: VL032953.D

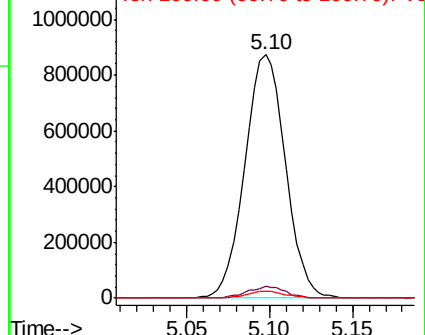
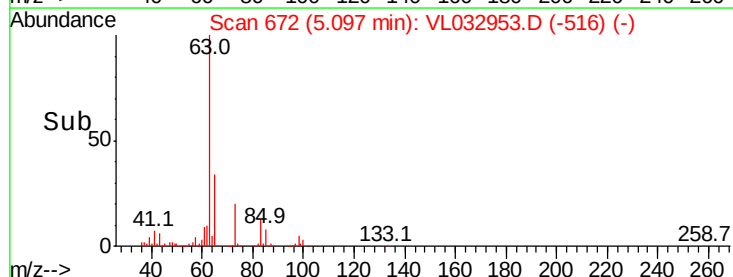
Acq: 11 Dec 2018 12:51

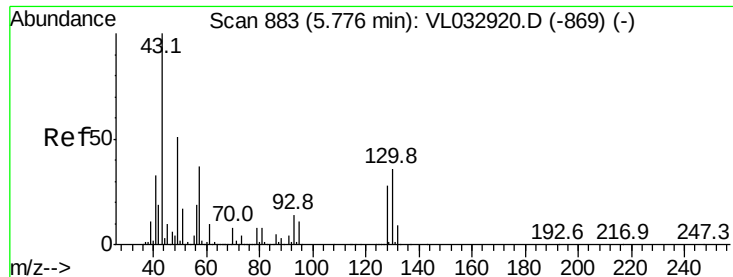
Tgt Ion: 63 Resp: 1488070

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.5	7.5
100	2.9	1.4	4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

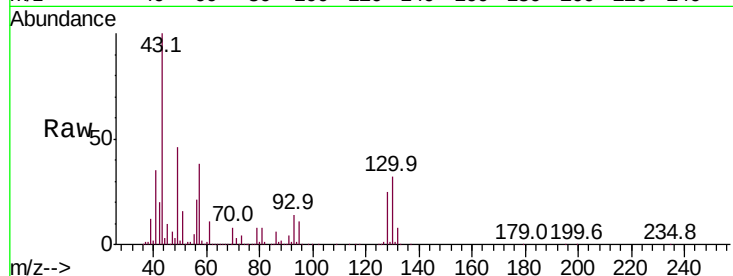




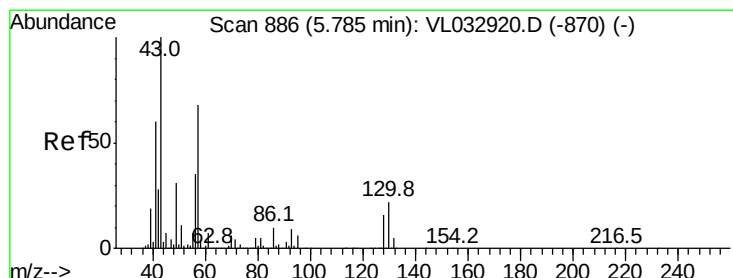
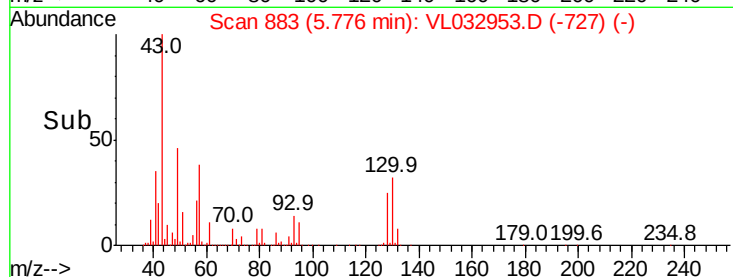
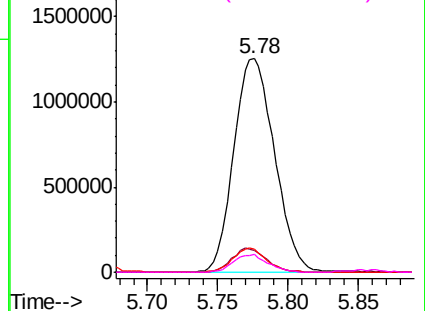
#25
Ethyl Acetate
Concen: 10.165 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2533045
Ion Ratio Lower Upper
43 100
45 9.7 7.8 11.6
61 9.6 7.4 11.2
70 7.1 5.7 8.5

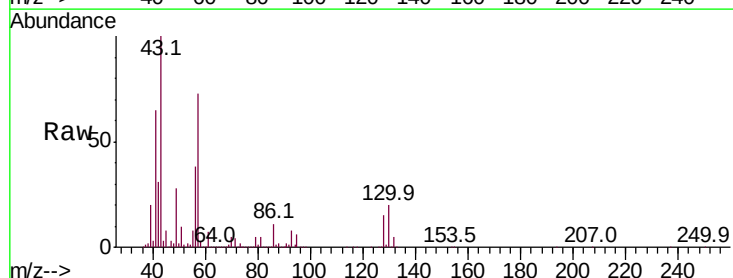


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

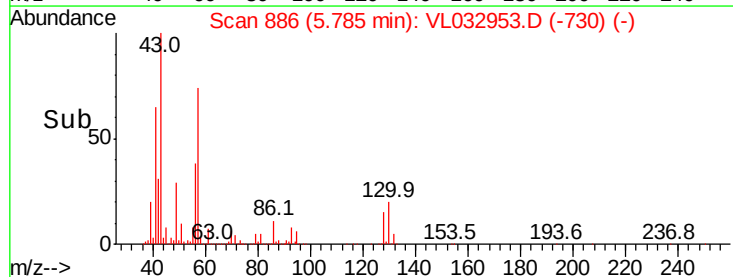
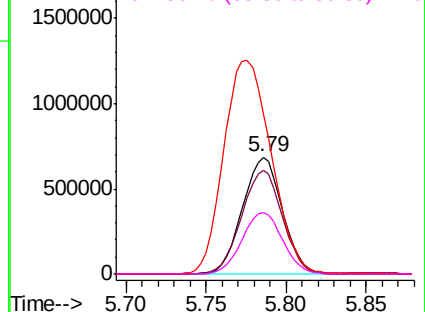


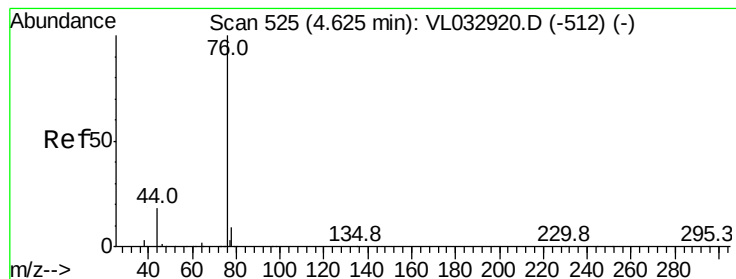
#26
Hexane
Concen: 10.160 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion: 57 Resp: 1168925
Ion Ratio Lower Upper
57 100
41 90.8 72.2 108.2
43 217.4 171.9 257.9
56 53.5 42.2 63.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.619 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

ClientSampled :

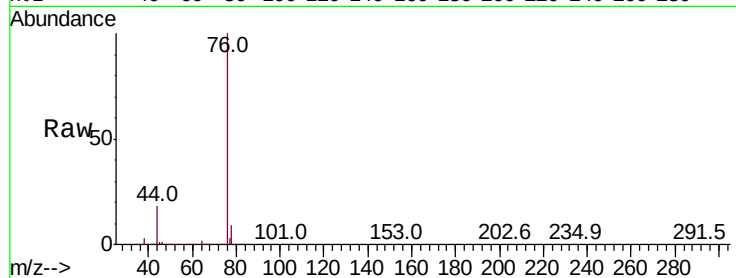
Tot Ion: 76 Resp: 1671355

Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.7	22.1
78	9.5	7.4	11.2

76 100

44 18.4 14.7 22.1

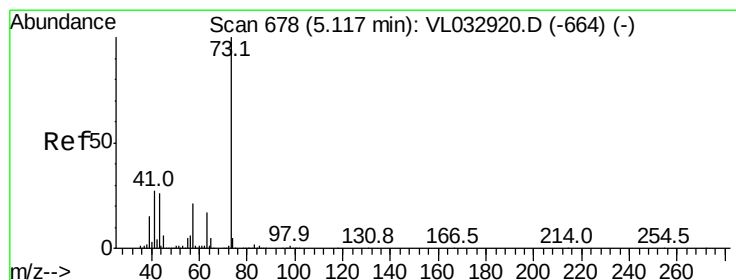
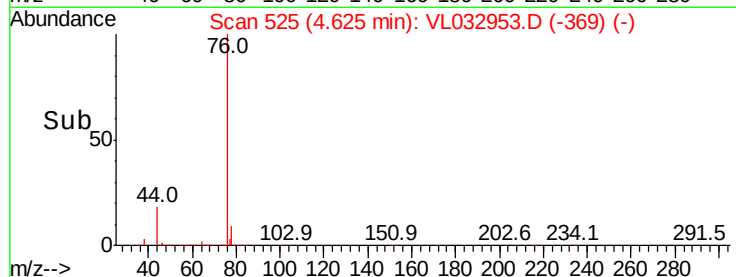
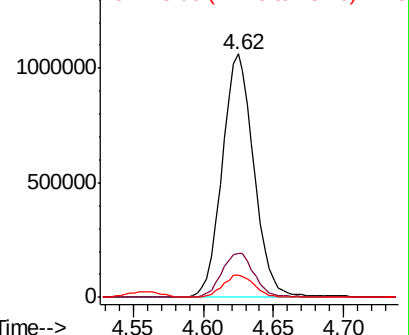
78 9.5 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.670 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL032953.D

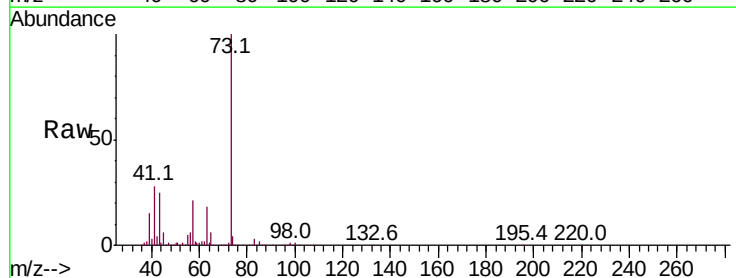
Acq: 11 Dec 2018 12:51

Tgt Ion: 73 Resp: 1843668

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0

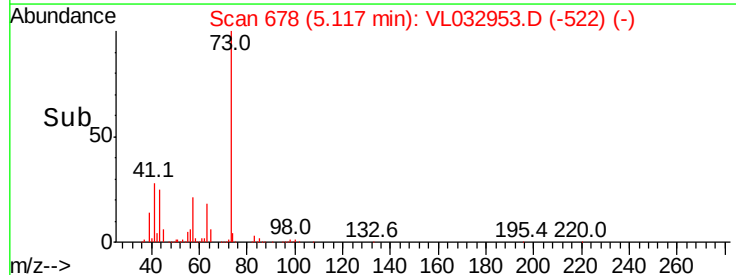
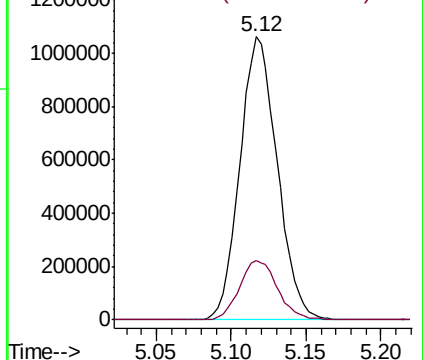
73 100

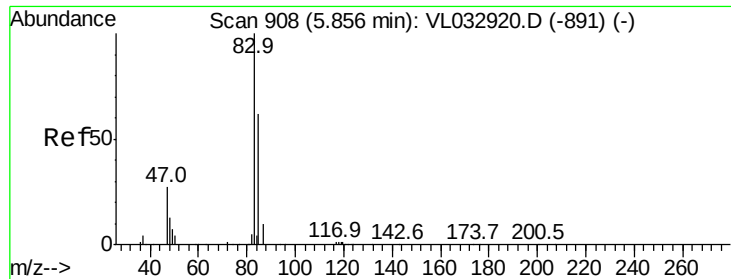
57 21.4 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

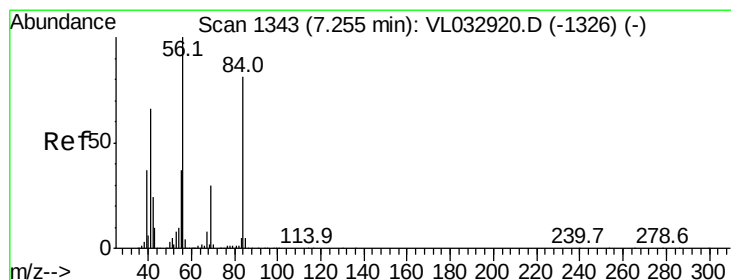
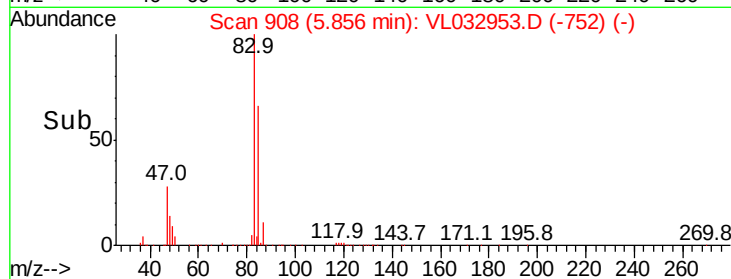
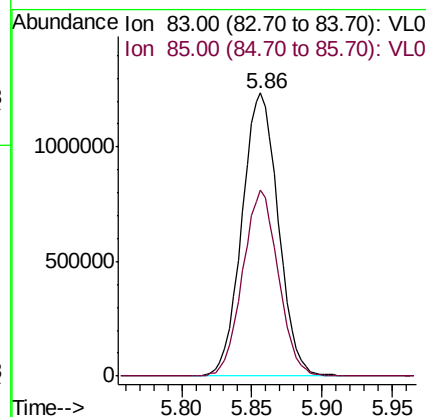
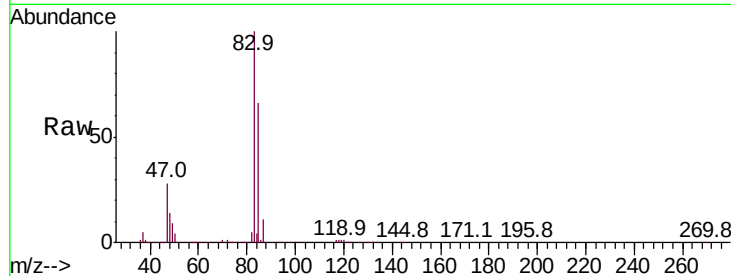




#29
Chloroform
Concen: 10.838 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

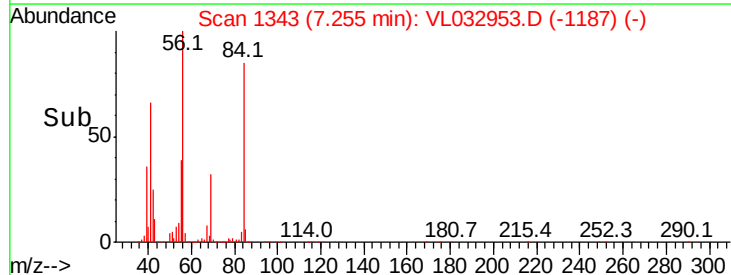
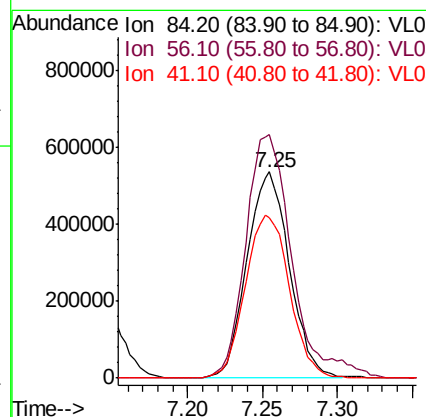
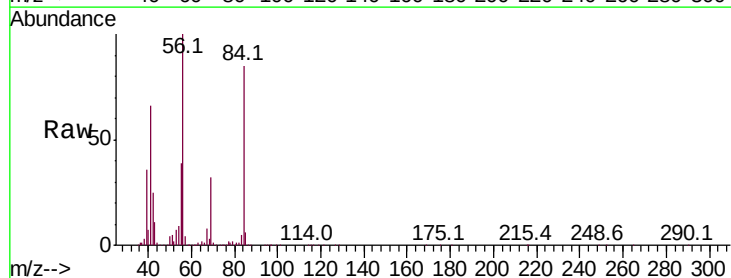
Instrument :
MSVOA_L
ClientSampled :

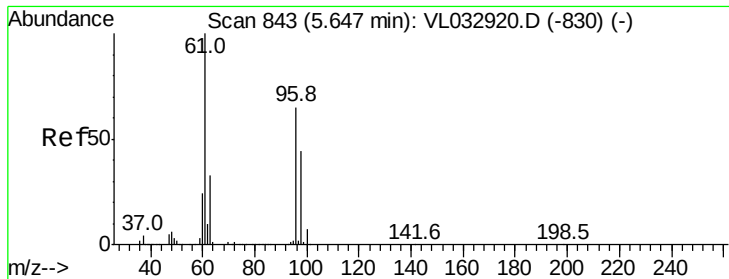
Tot Ion: 83 Resp: 2224793
Ion Ratio Lower Upper
83 100
85 65.7 49.8 74.8



#30
Cyclohexane
Concen: 11.097 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion: 84 Resp: 1058160
Ion Ratio Lower Upper
84 100
56 129.2 102.5 153.7
41 82.0 64.1 96.1



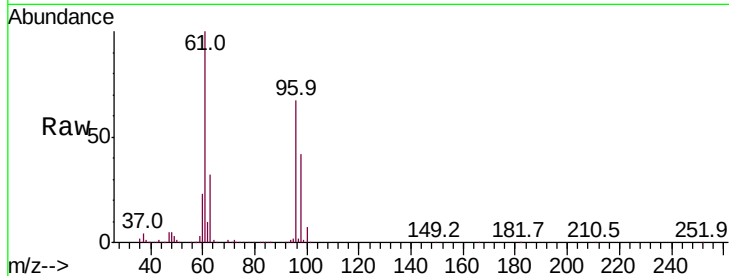


#31

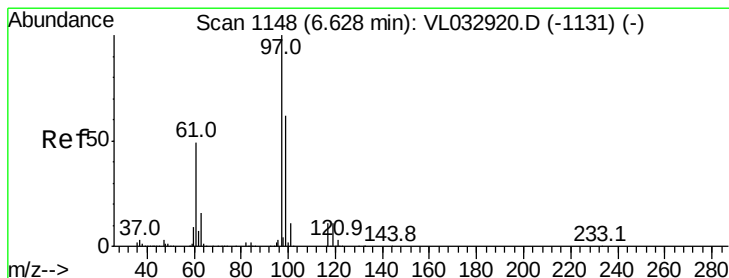
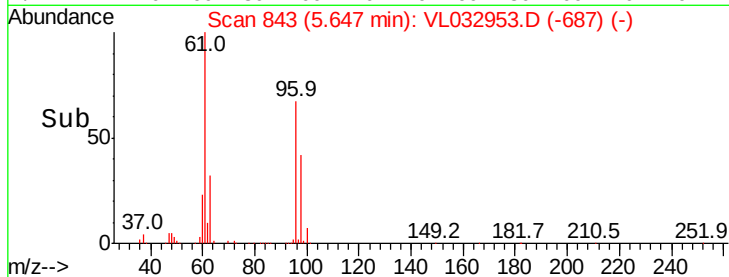
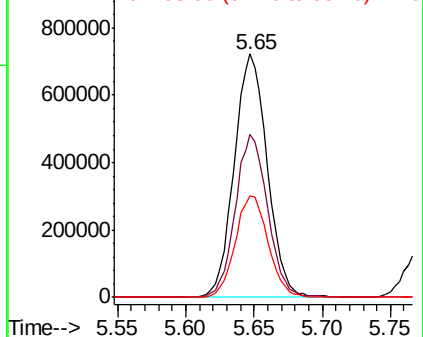
cis-1,2-Dichloroethene
Concen: 11.481 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 61 Resp: 1212171
Ion Ratio Lower Upper
61 100
96 66.9 51.9 77.9
98 41.5 35.0 52.4



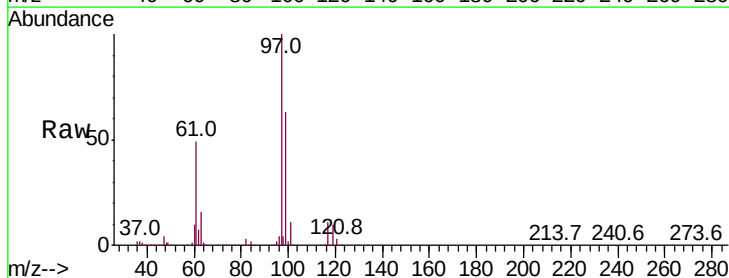
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



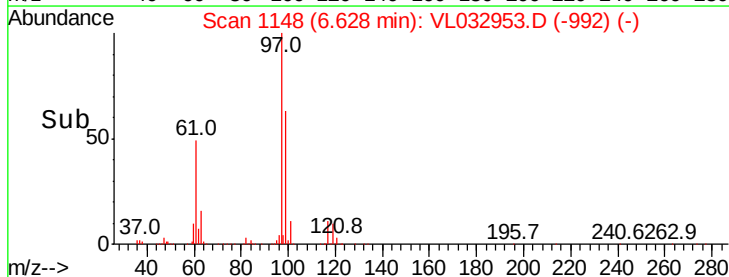
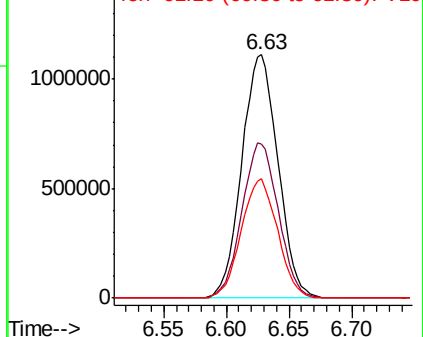
#32

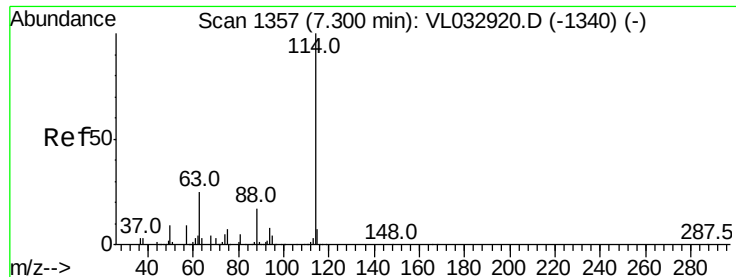
1,1,1-Trichloroethane
Concen: 10.272 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion: 97 Resp: 2231186
Ion Ratio Lower Upper
97 100
99 64.2 51.1 76.7
61 49.1 39.3 58.9



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

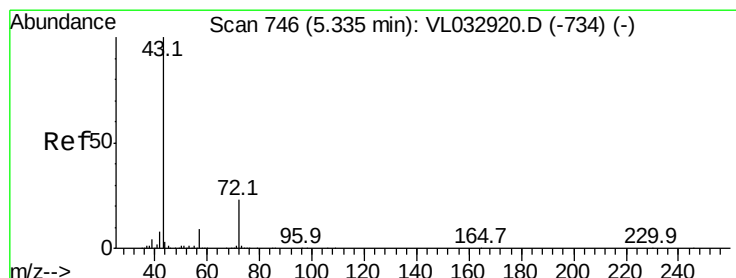
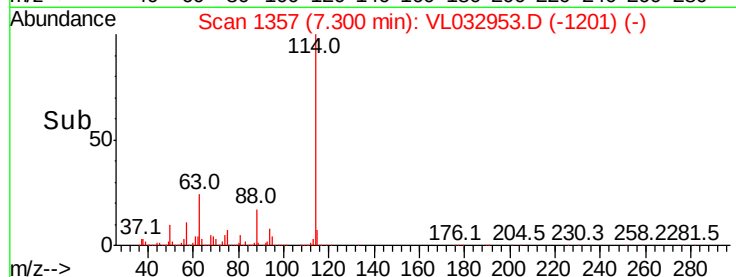
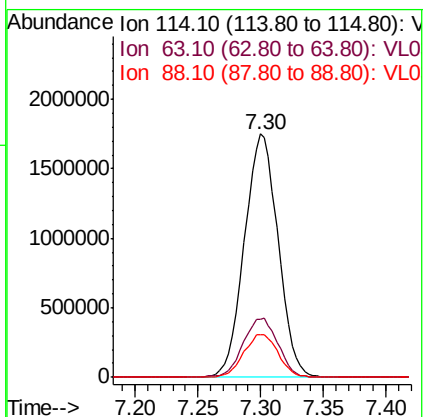
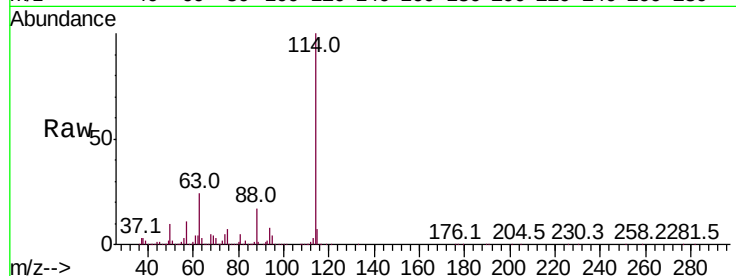




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

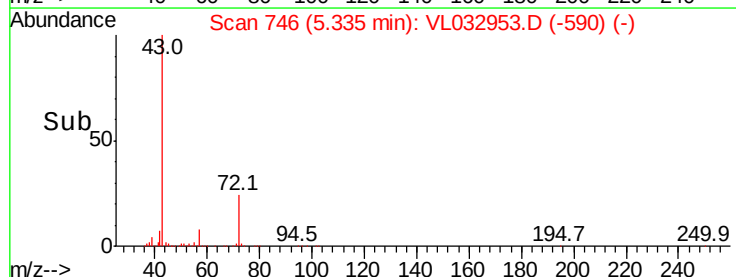
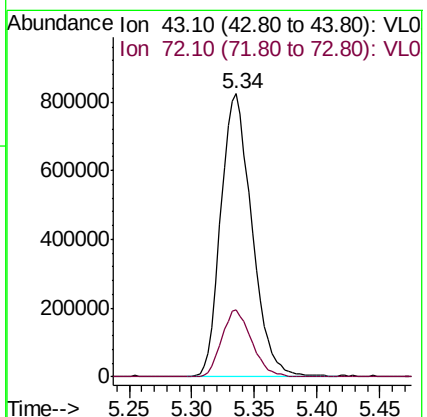
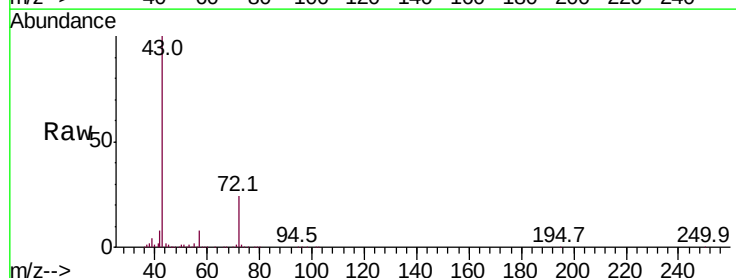
Instrument :
 MSVOA_L
 ClientSampleId :

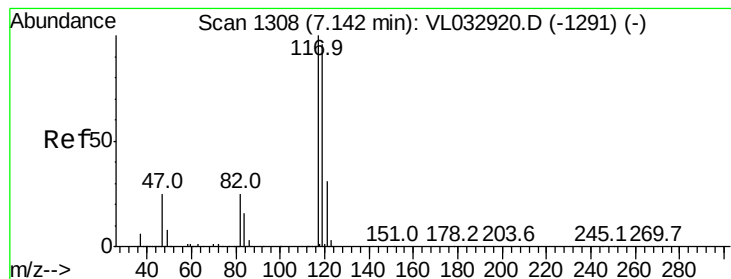
Tot Ion:114 Resp: 3273254
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.1 30.1
 88 17.9 14.2 21.4



#34
 2-Butanone
 Concen: 9.885 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Tgt Ion: 43 Resp: 1409396
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.8 28.2





#35

Carbon Tetrachloride

Concen: 9.351 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

ClientSampled :

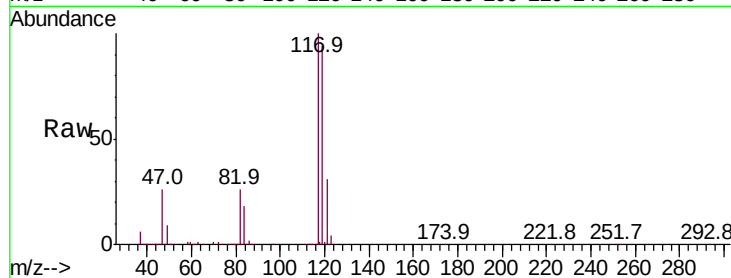
Tot Ion:117 Resp: 2405859

Ion Ratio Lower Upper

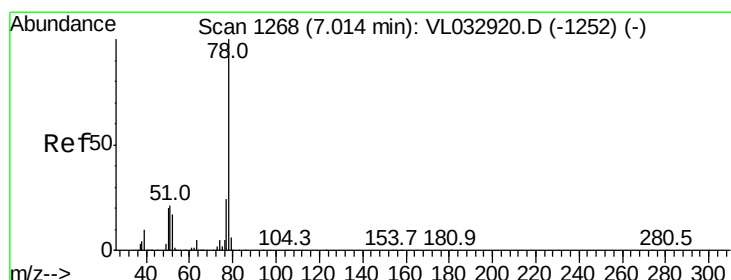
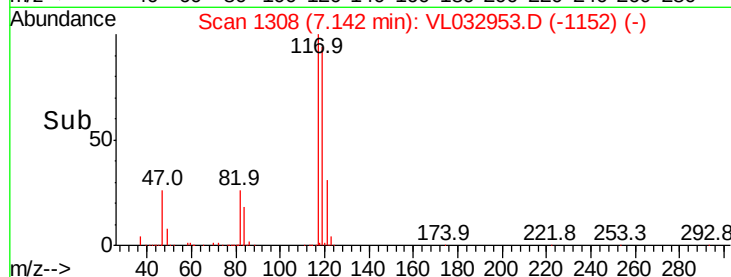
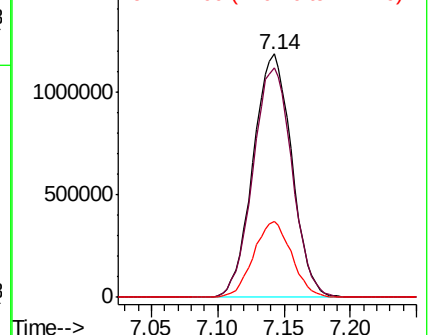
117 100

119 94.1 76.5 114.7

121 31.0 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.310 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

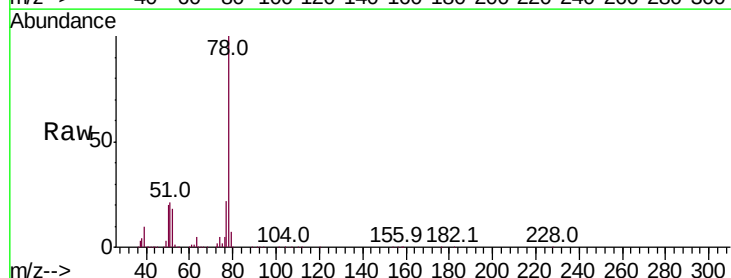
Tgt Ion: 78 Resp: 2482294

Ion Ratio Lower Upper

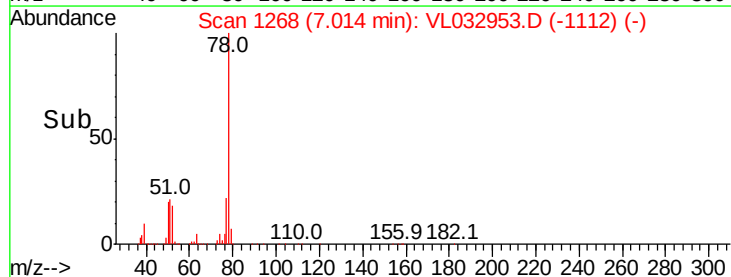
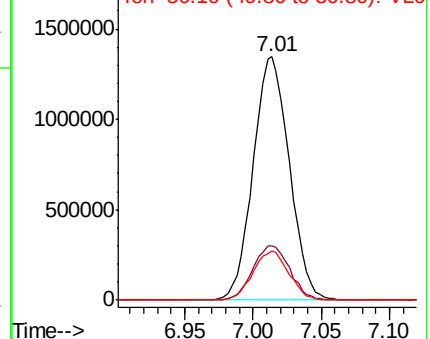
78 100

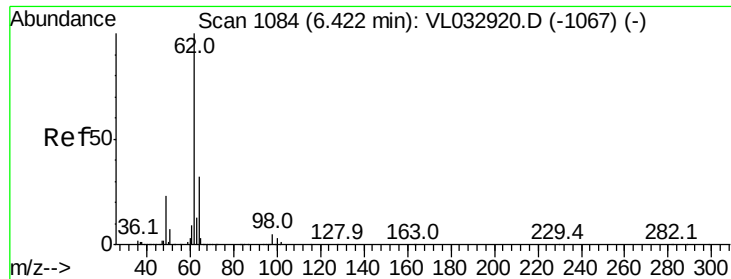
77 22.0 18.9 28.3

50 20.4 16.1 24.1



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

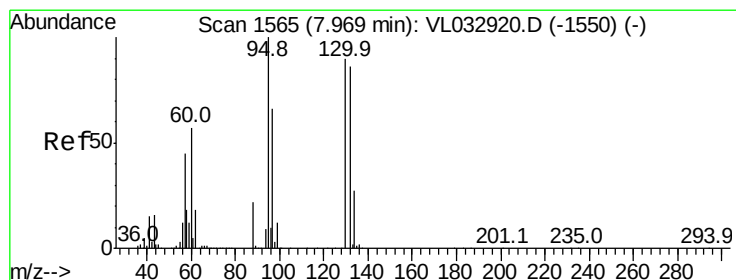
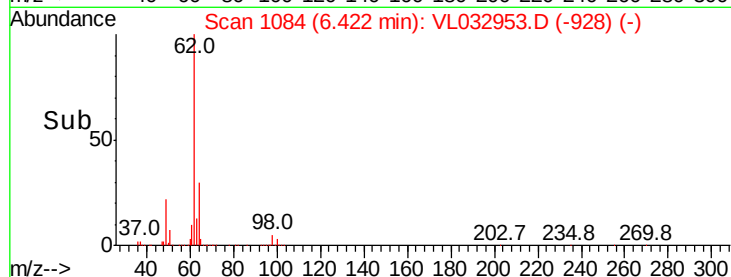
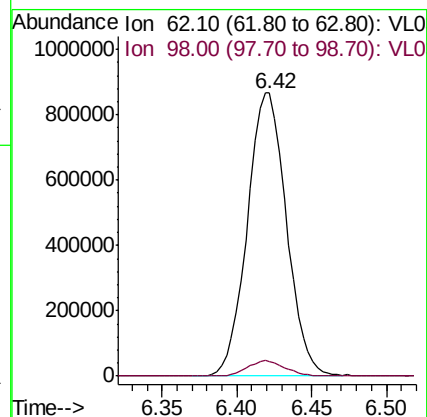
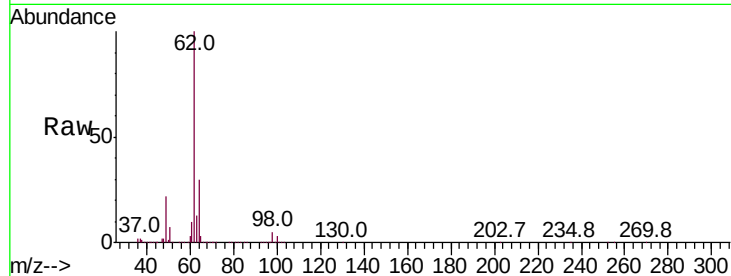




#37
 1,2-Dichloroethane
 Concen: 9.632 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

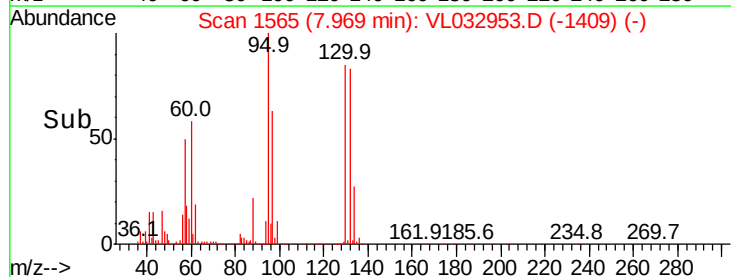
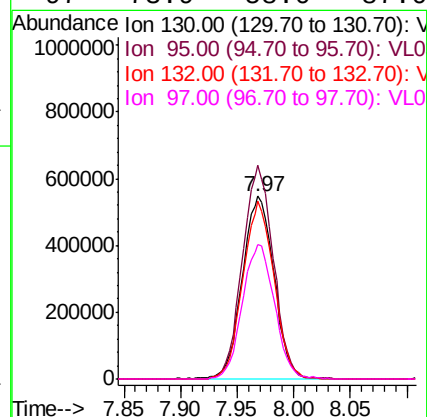
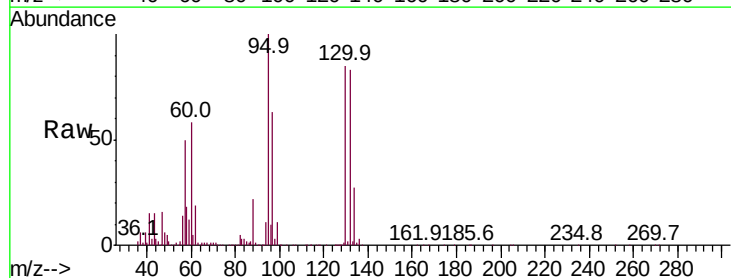
Instrument :
 MSVOA_L
 ClientSampleId :

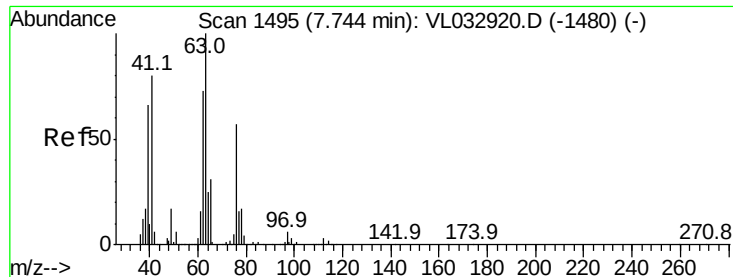
Tot Ion: 62 Resp: 1578803
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.3 6.5



#38
 Trichloroethene
 Concen: 10.637 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Tgt Ion: 130 Resp: 1065764
 Ion Ratio Lower Upper
 130 100
 95 117.2 88.6 132.8
 132 97.6 76.1 114.1
 97 73.9 58.0 87.0

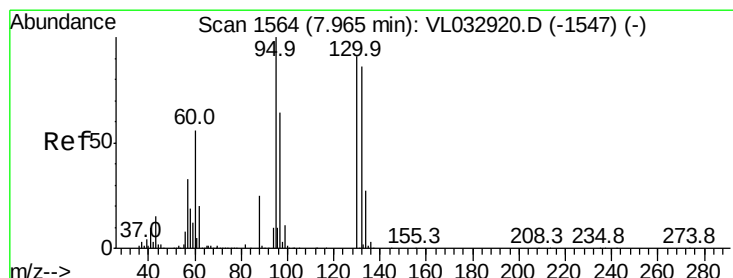
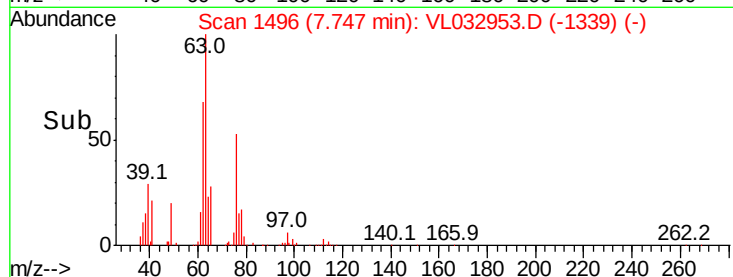
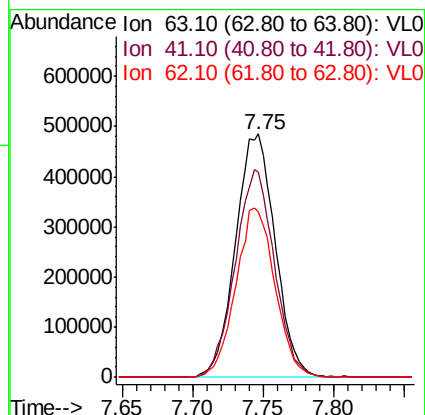
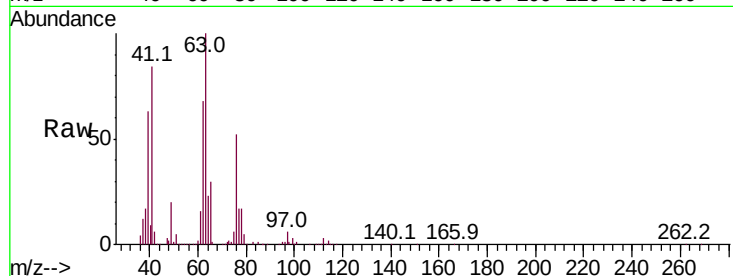




#39
 1,2-Dichloropropane
 Concen: 10.470 ppbv
 RT: 7.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

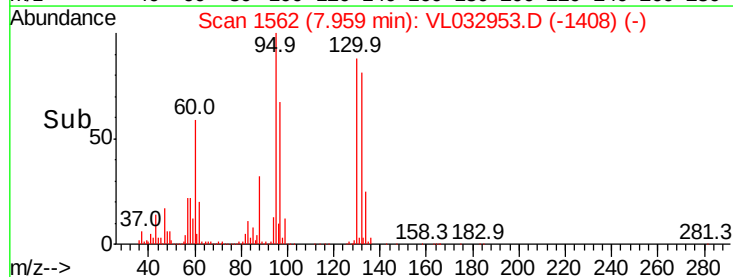
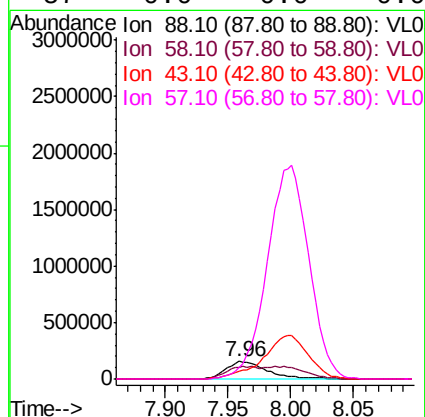
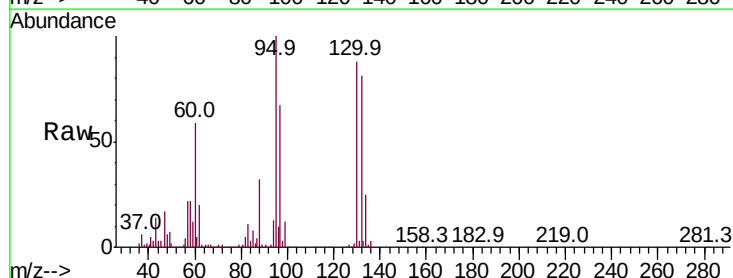
Instrument :
 MSVOA_L
 ClientSampleId :

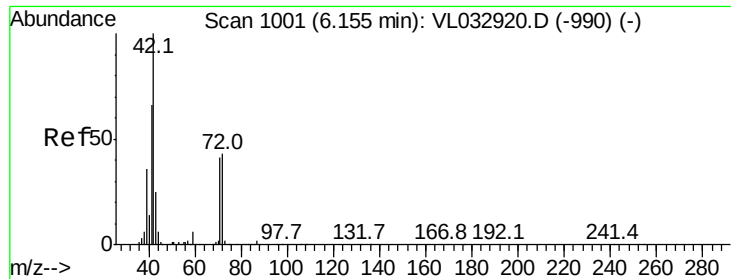
Tot Ion	Ratio	Lower	Upper
63	100		
41	84.0	63.9	95.9
62	67.8	58.8	88.2



#40
 1,4-Dioxane
 Concen: 10.511 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	55.5	107.4	161.2#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

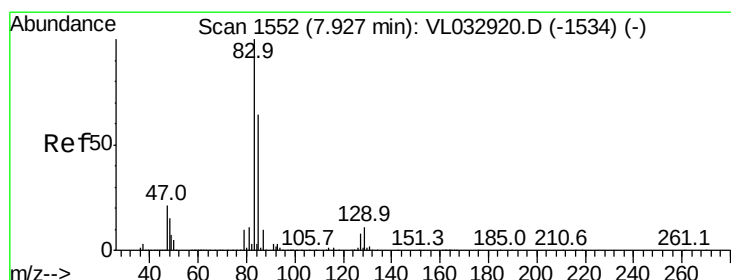
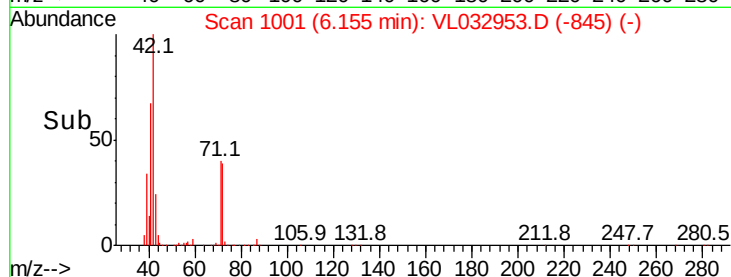
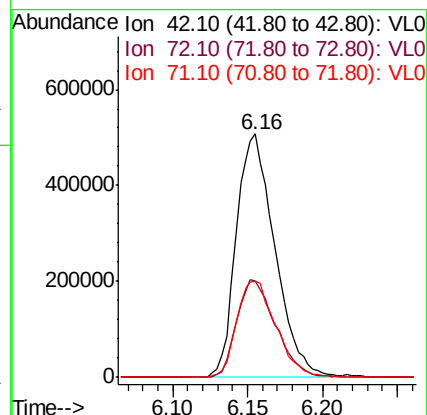
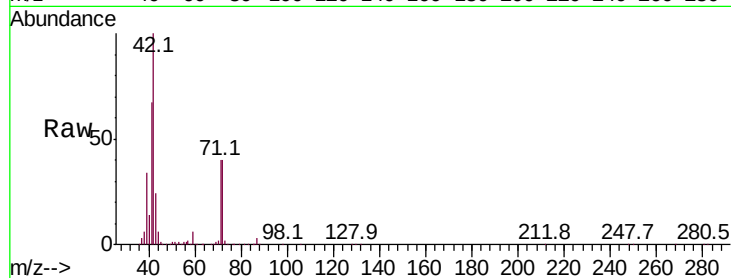




#41
Tetrahydrofuran
Concen: 10.296 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

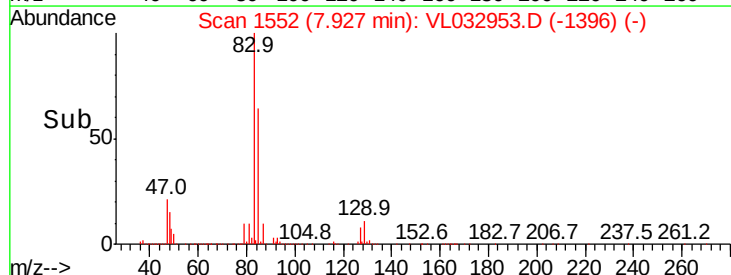
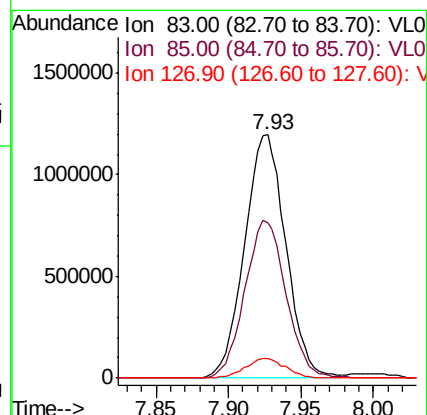
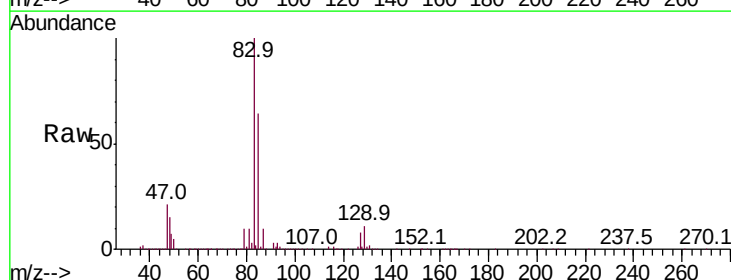
Instrument :
MSVOA_L
ClientSampleId :

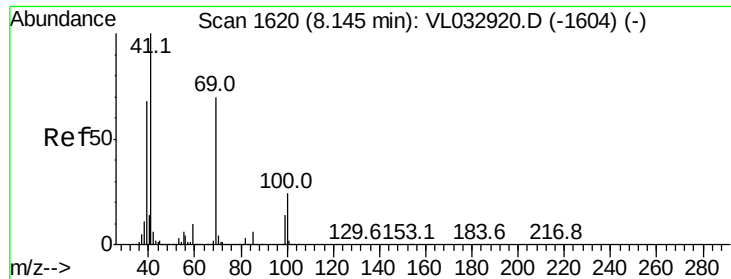
Tot Ion: 42 Resp: 912964
Ion Ratio Lower Upper
42 100
72 40.4 32.9 49.3
71 40.3 32.0 48.0



#42
Bromodichloromethane
Concen: 10.429 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion: 83 Resp: 2368472
Ion Ratio Lower Upper
83 100
85 63.6 50.9 76.3
127 8.1 6.7 10.1

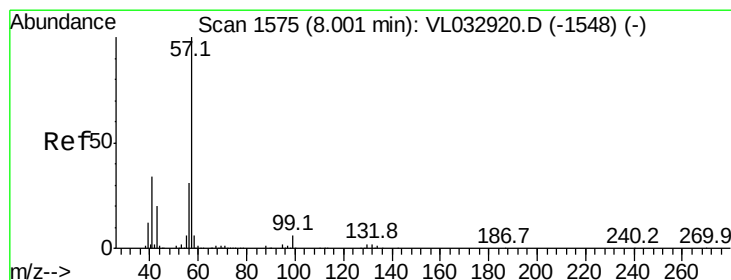
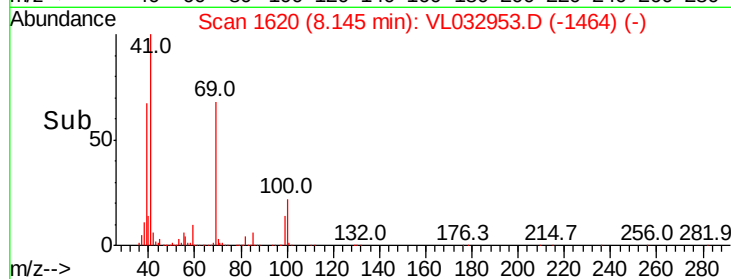
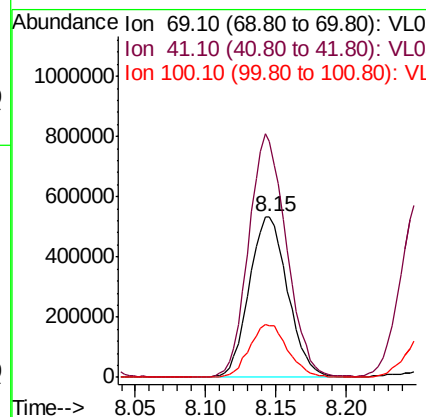
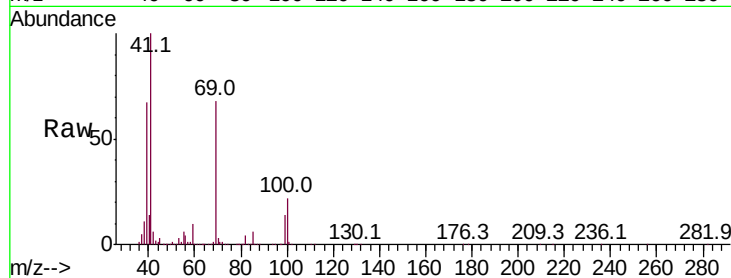




#43
Methyl Methacrylate
Concen: 11.496 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

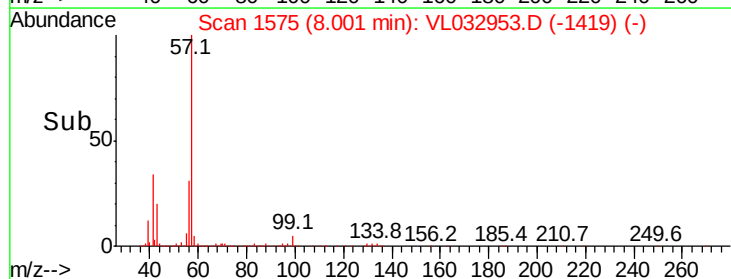
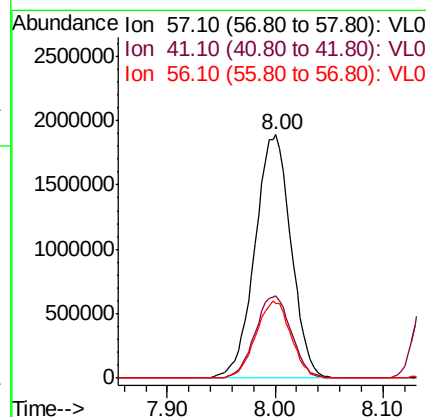
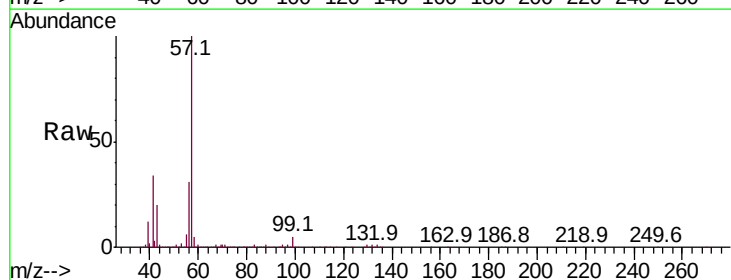
Instrument :
MSVOA_L
ClientSampleId :

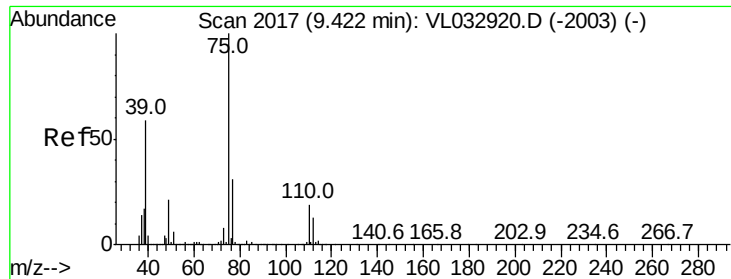
Tot Ion: 69 Resp: 1025533
Ion Ratio Lower Upper
69 100
41 147.6 116.6 175.0
100 32.6 26.5 39.7



#44
2,2,4-Trimethylpentane
Concen: 10.734 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion: 57 Resp: 4386829
Ion Ratio Lower Upper
57 100
41 33.9 27.0 40.4
56 30.9 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 12.739 ppbv

RT: 9.42 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

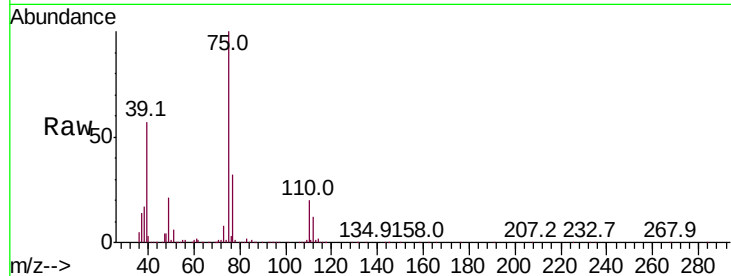
ClientSampleId :

Tot Ion: 75 Resp: 1393372

Ion Ratio Lower Upper

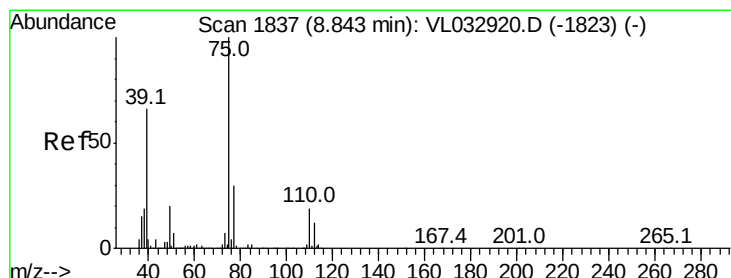
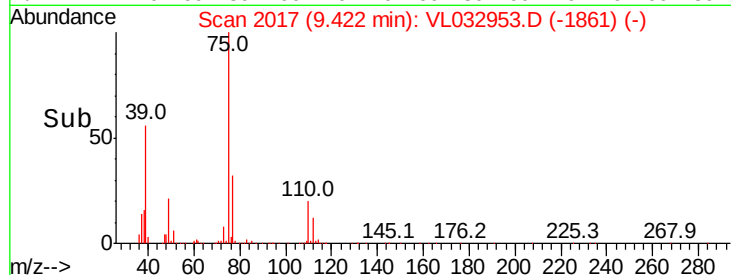
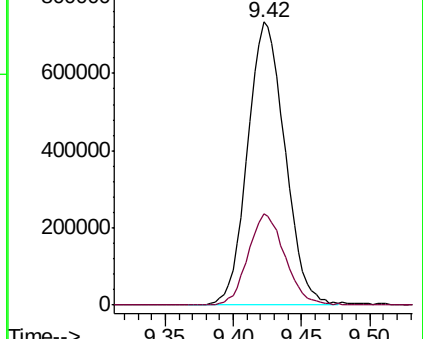
75 100

77 32.1 24.8 37.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.748 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

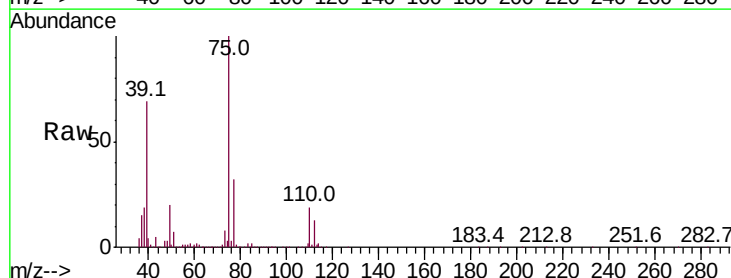
Tgt Ion: 75 Resp: 1572843

Ion Ratio Lower Upper

75 100

39 68.8 52.8 79.2

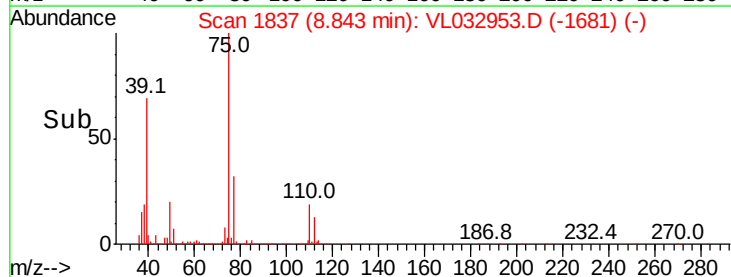
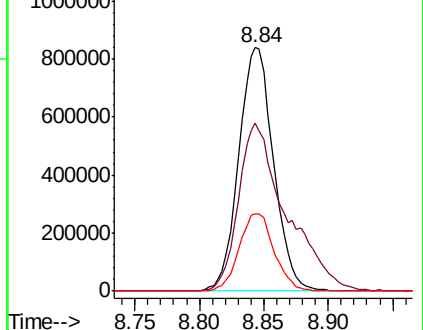
77 31.9 24.3 36.5

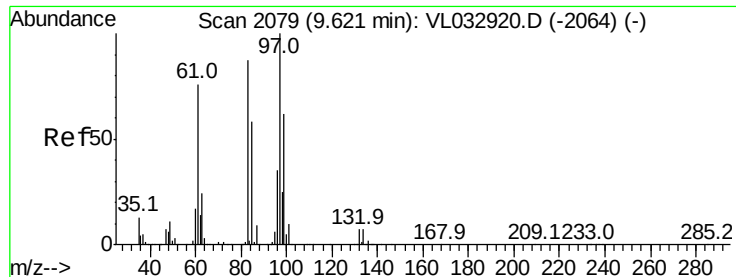


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 10.665 ppbv

RT: 9.62 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1071804

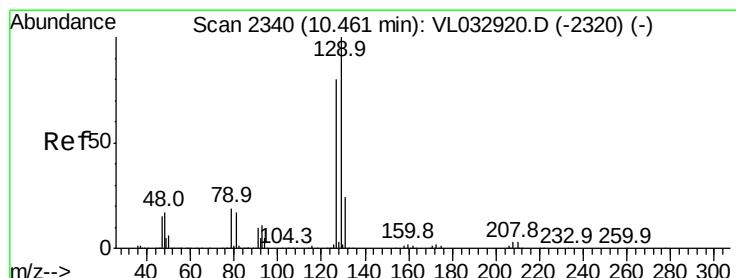
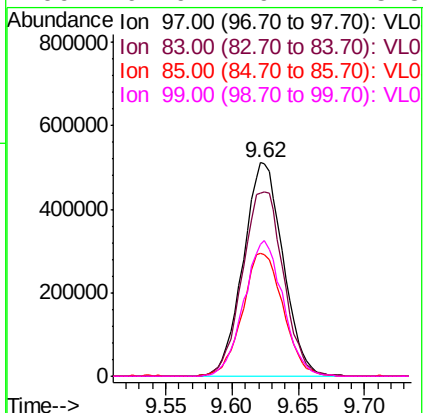
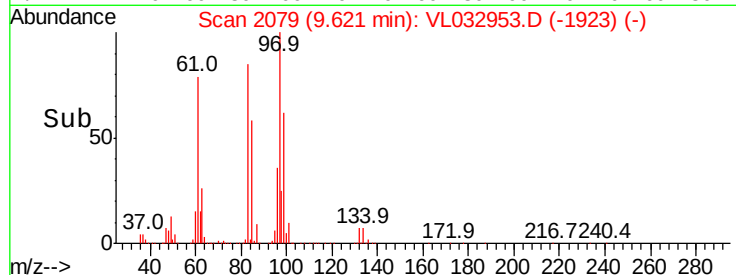
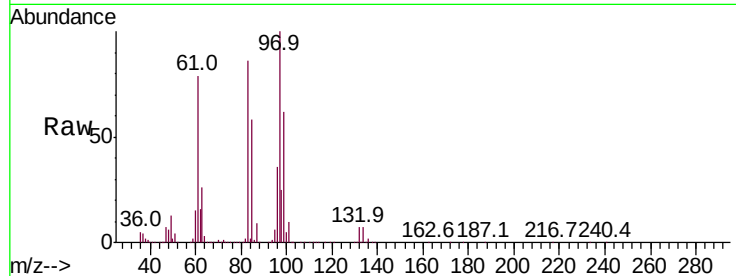
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.8	104.8
85	57.6	46.7	70.1
99	61.9	49.2	73.8

97 100

83 85.5 69.8 104.8

85 57.6 46.7 70.1

99 61.9 49.2 73.8



#48

Dibromochloromethane

Concen: 10.879 ppbv

RT: 10.46 min Scan# 2340

Delta R.T. 0.00 min

Lab File: VL032953.D

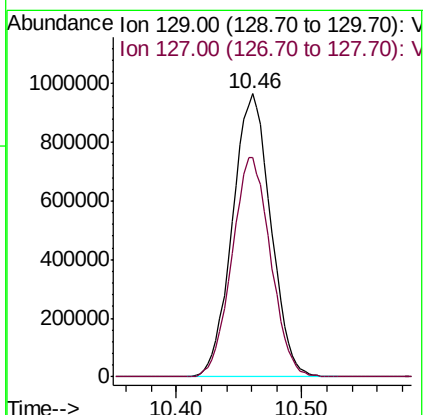
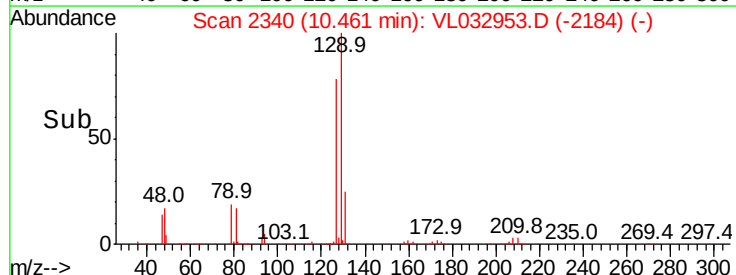
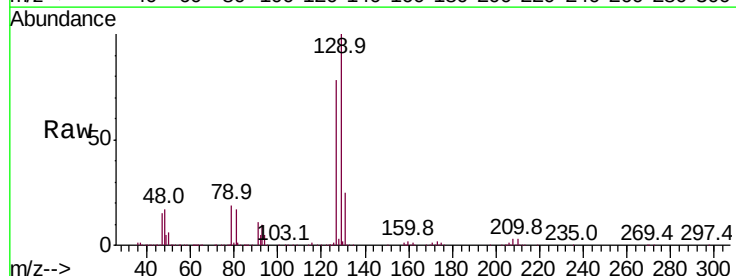
Acq: 11 Dec 2018 12:51

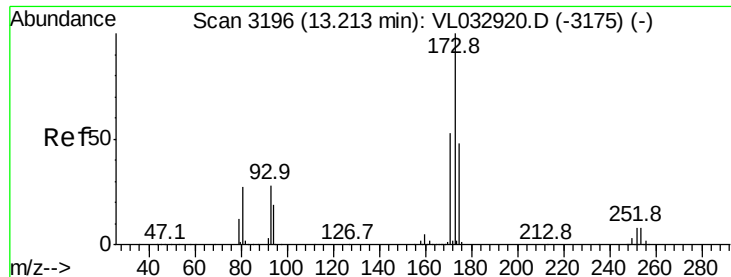
Tgt Ion: 129 Resp: 2051015

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.3	117.8

129 100

127 78.3 39.3 117.8





#49

Bromoform

Concen: 11.230 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

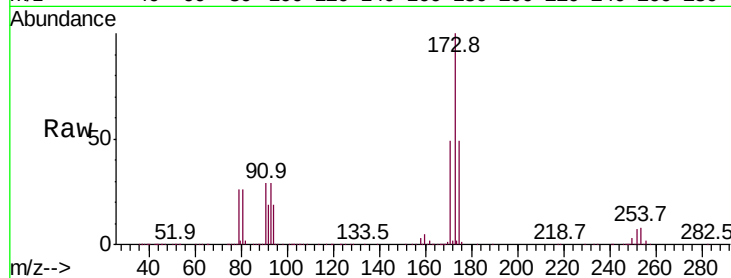
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1741331

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.0	58.4
171	52.1	41.5	62.3

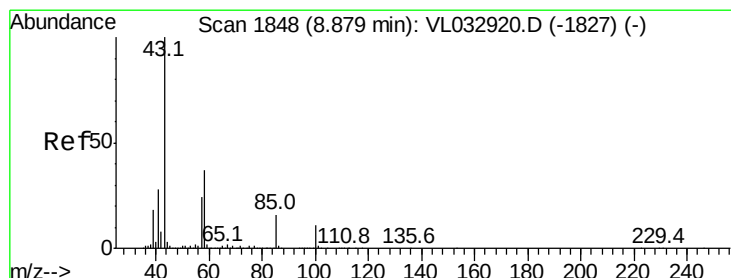
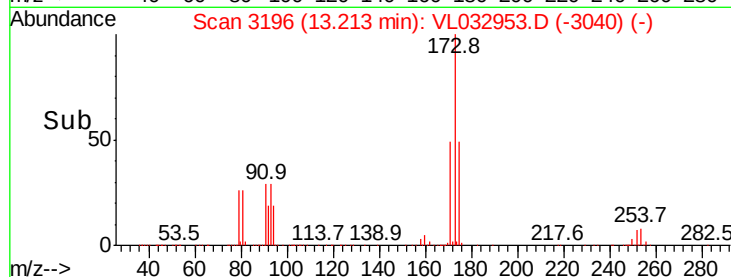
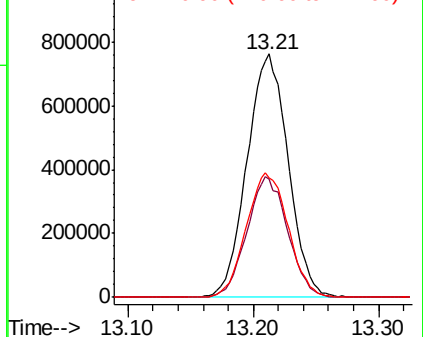


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.517 ppbv

RT: 8.88 min Scan# 1848

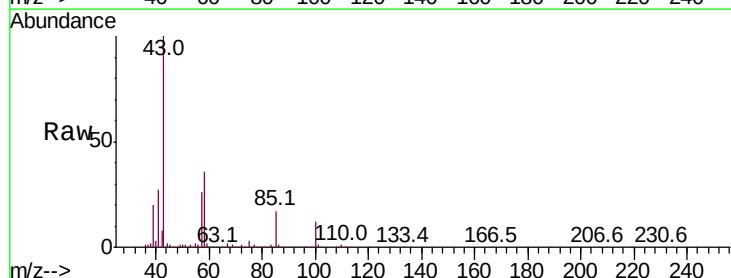
Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Tgt Ion: 43 Resp: 2397920

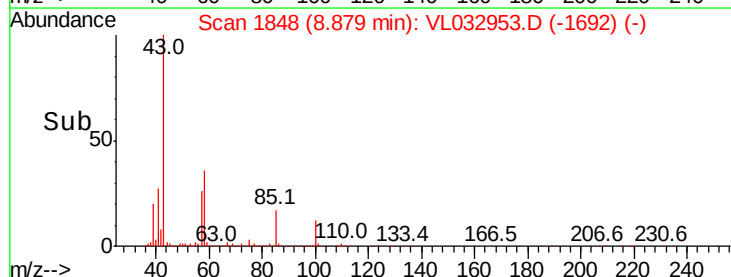
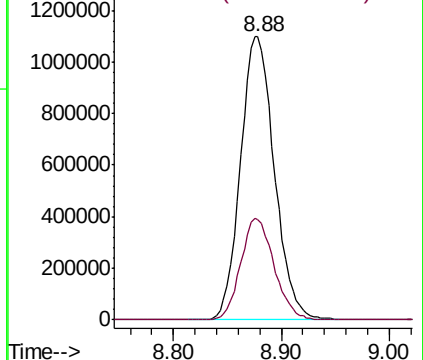
Ion	Ratio	Lower	Upper
43	100		
58	35.6	29.0	43.4

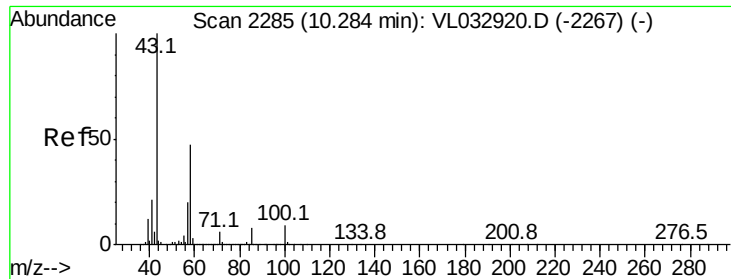


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

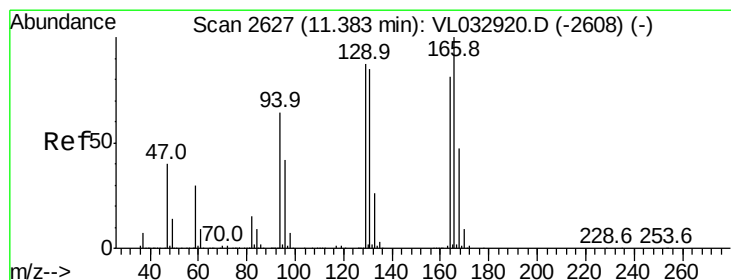
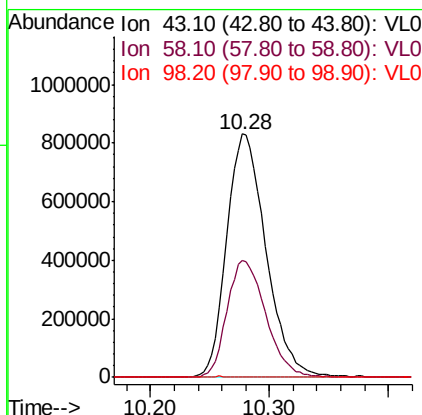
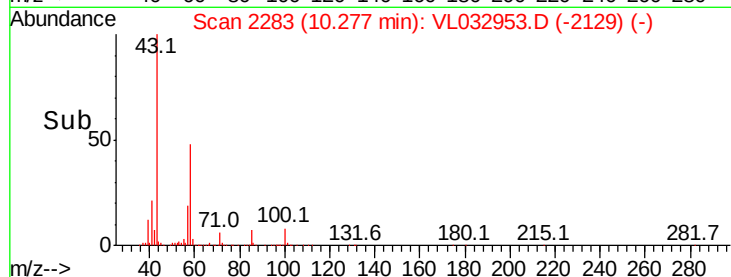
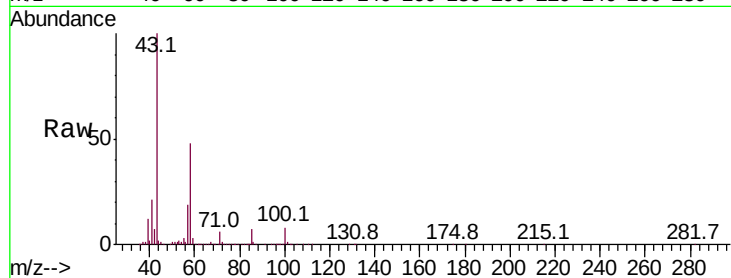




#51
2-Hexanone
Concen: 12.259 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

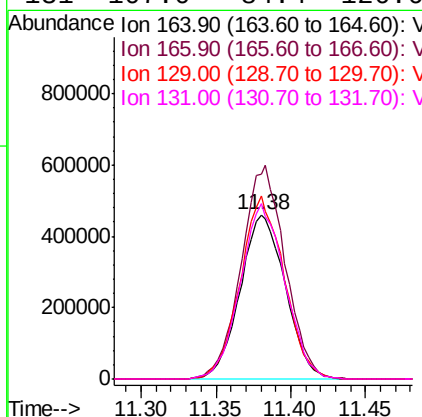
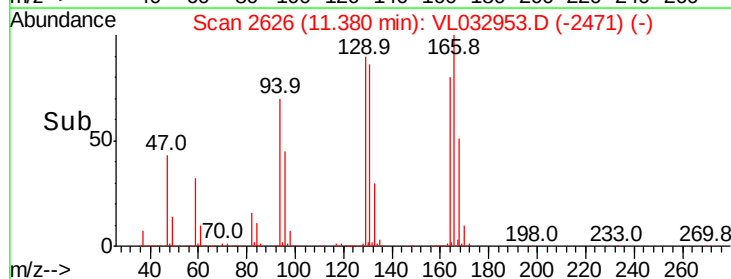
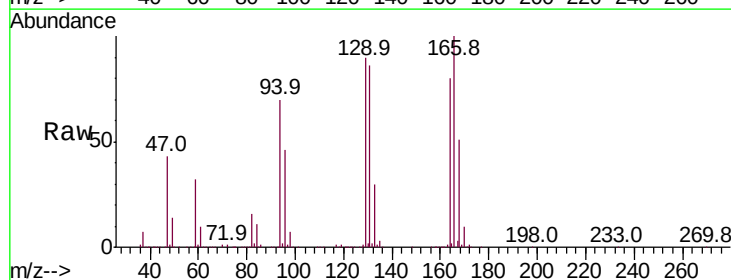
Instrument :
MSVOA_L
ClientSampleId :

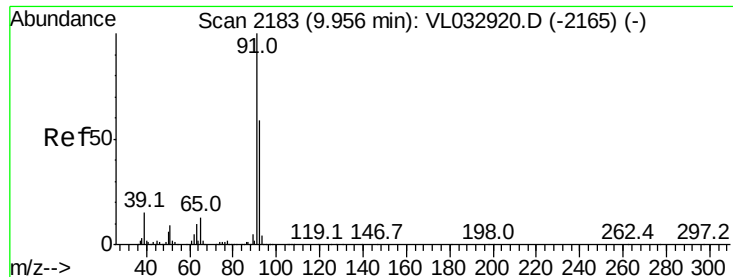
Tot Ion: 43 Resp: 1895496
Ion Ratio Lower Upper
43 100
58 47.8 38.1 57.1
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.996 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion:164 Resp: 962978
Ion Ratio Lower Upper
164 100
166 124.6 98.8 148.2
129 111.7 85.5 128.3
131 107.0 84.4 126.6





#53

Toluene

Concen: 12.671 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

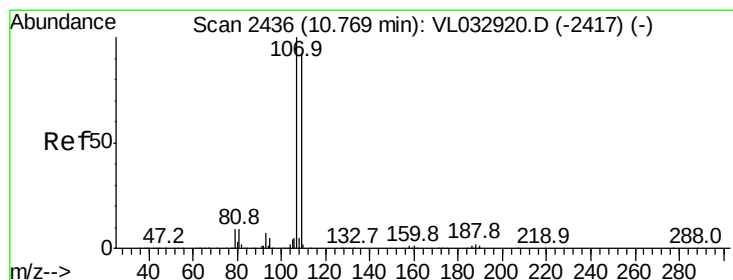
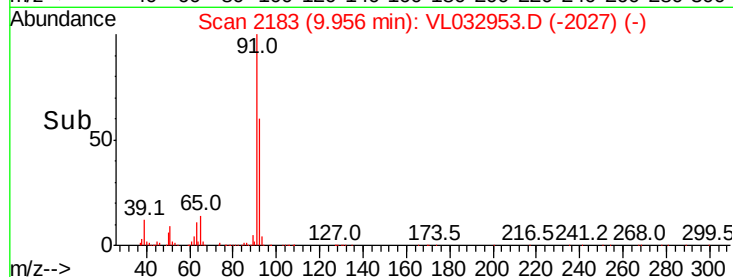
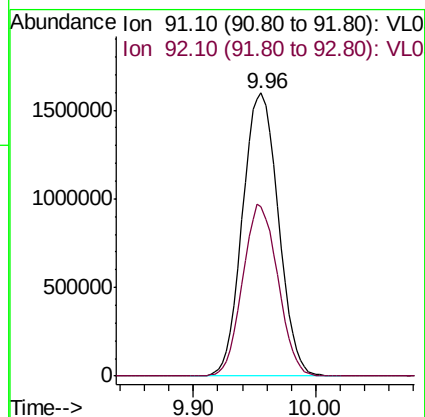
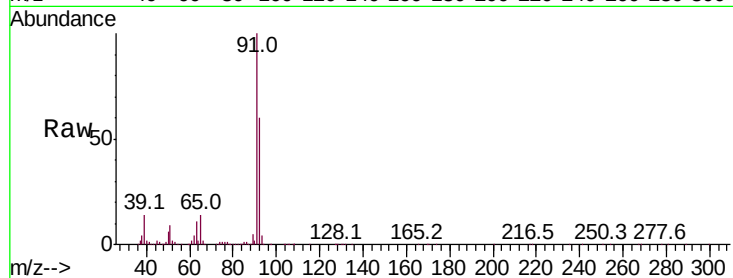
ClientSampleId :

Tot Ion: 91 Resp: 3235494

Ion Ratio Lower Upper

91 100

92 59.6 47.4 71.0



#54

1,2-Dibromoethane

Concen: 10.720 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL032953.D

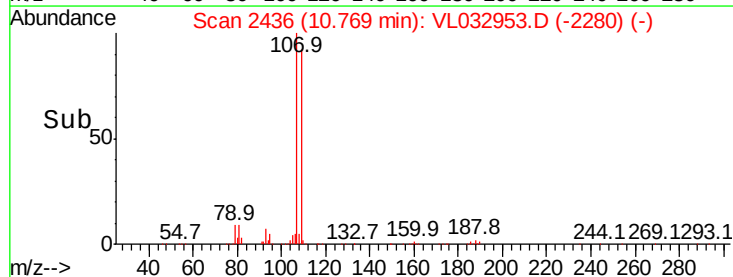
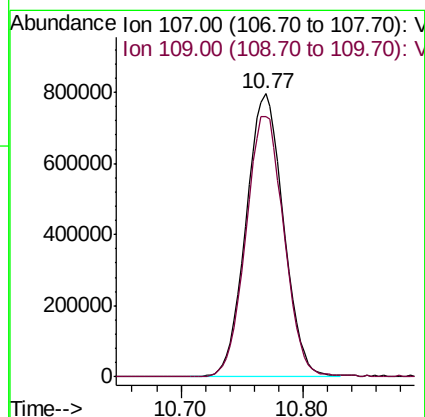
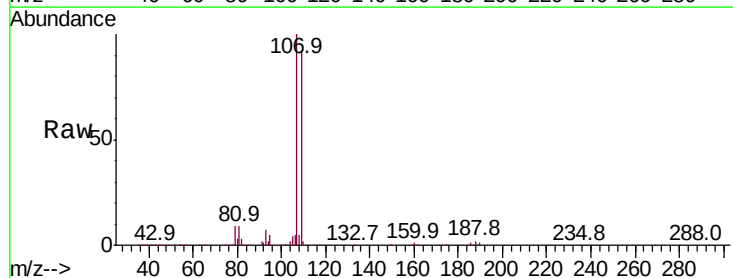
Acq: 11 Dec 2018 12:51

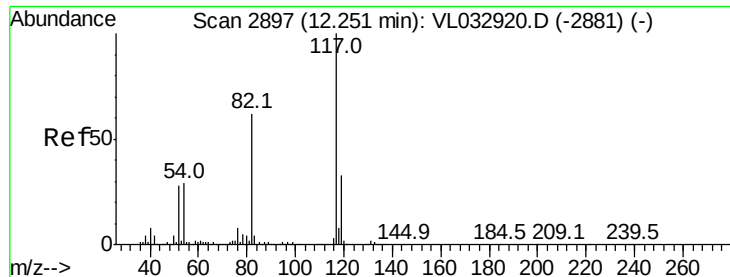
Tgt Ion: 107 Resp: 1683039

Ion Ratio Lower Upper

107 100

109 92.2 73.4 110.2

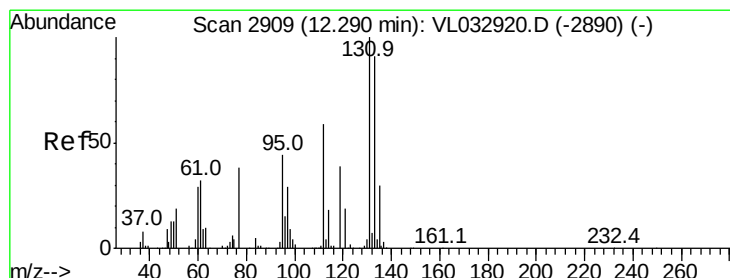
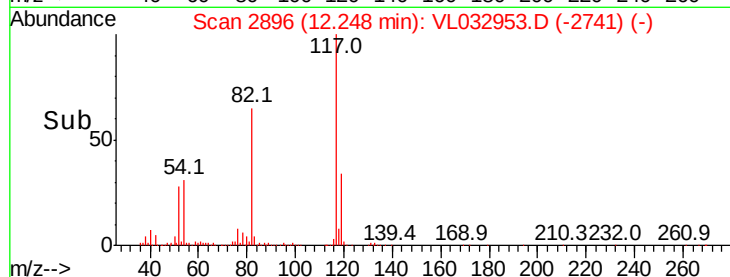
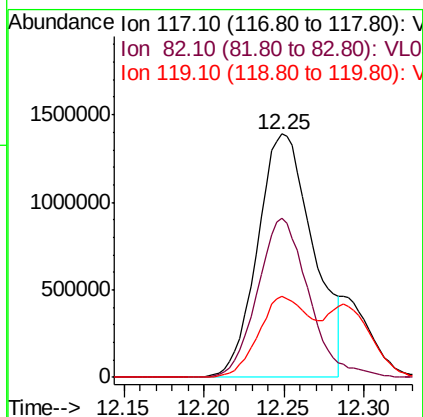
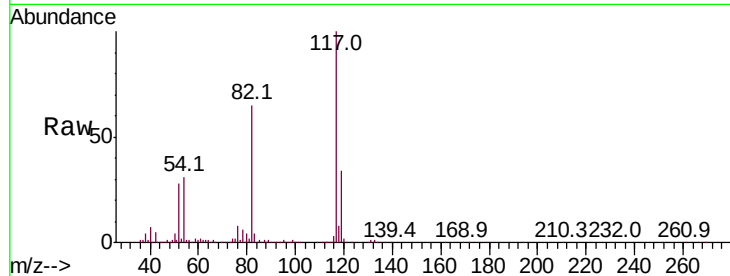




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

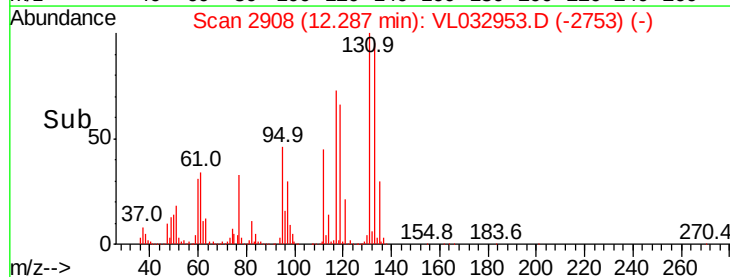
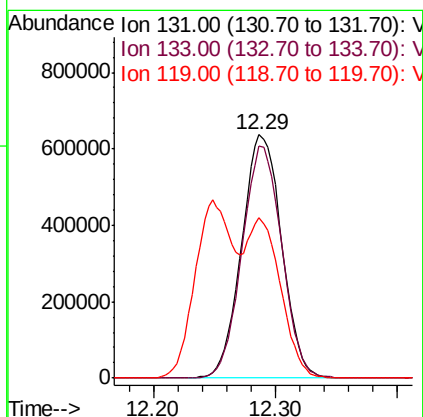
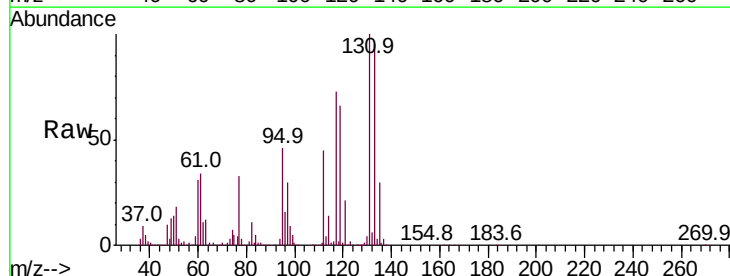
Instrument :
MSVOA_L
ClientSampleId :

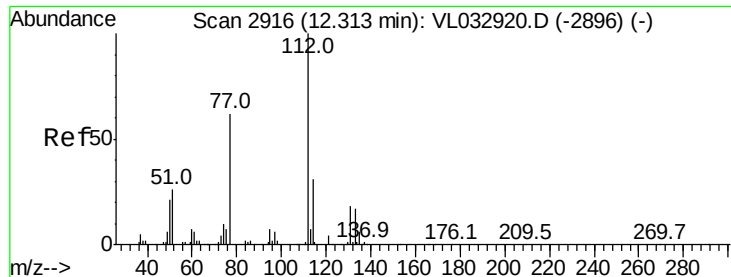
Tot Ion:117 Resp: 3349865
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 30.5 43.1 64.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.639 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion:131 Resp: 1439531
Ion Ratio Lower Upper
131 100
133 94.7 75.1 112.7
119 57.8 47.5 71.3

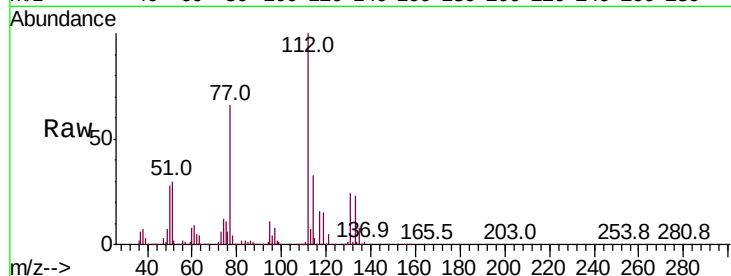




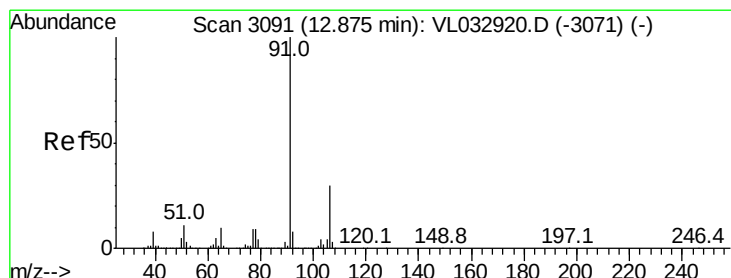
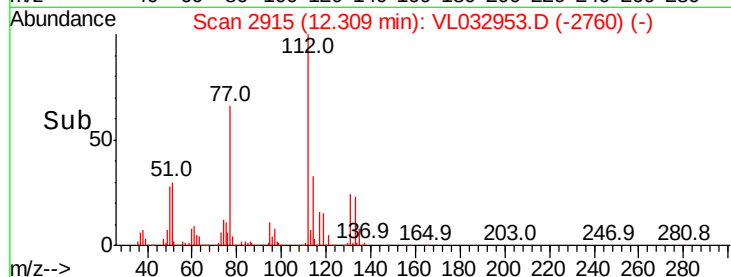
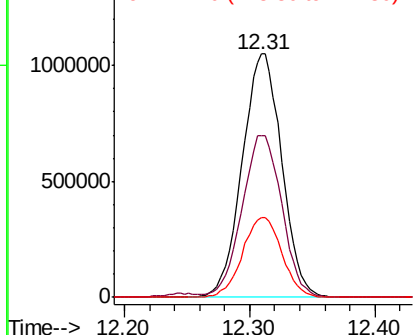
#57
Chlorobenzene
Concen: 9.517 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 2302524
Ion Ratio Lower Upper
112 100
77 66.0 51.1 76.7
114 32.9 28.4 34.7

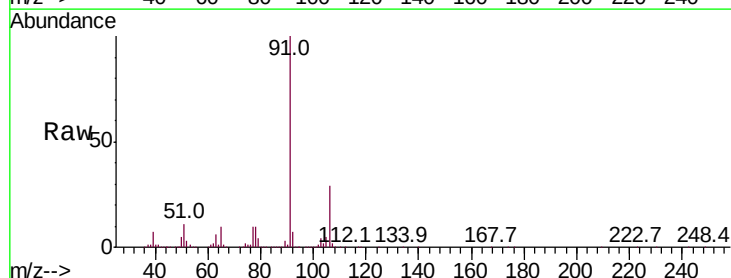


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

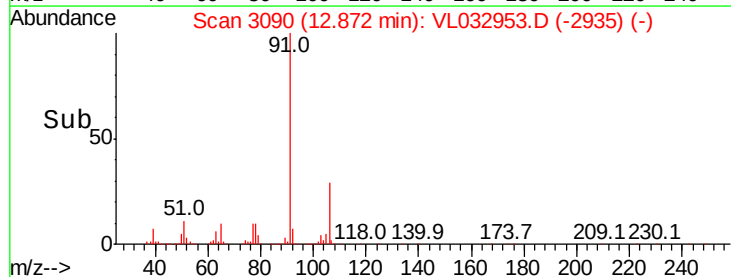
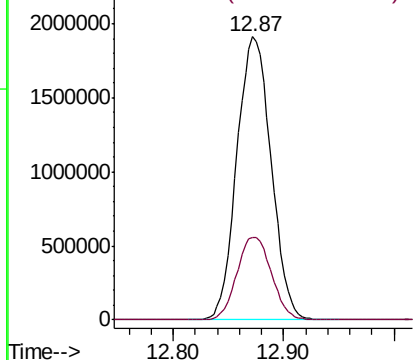


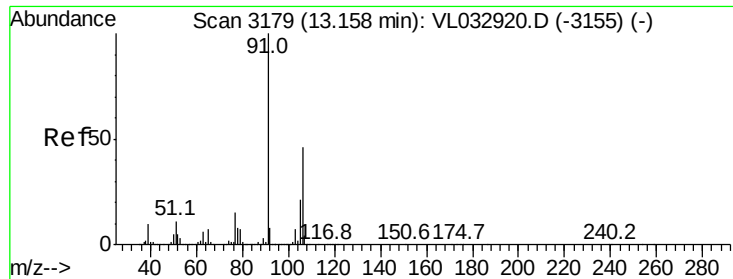
#58
Ethyl Benzene
Concen: 11.535 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032953.D
Acq: 11 Dec 2018 12:51

Tgt Ion: 91 Resp: 4122219
Ion Ratio Lower Upper
91 100
106 29.3 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.671 ppbv

RT: 13.15 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

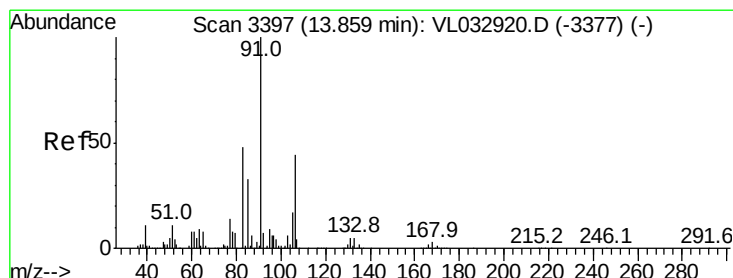
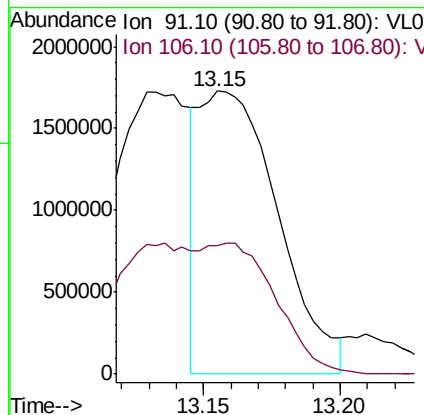
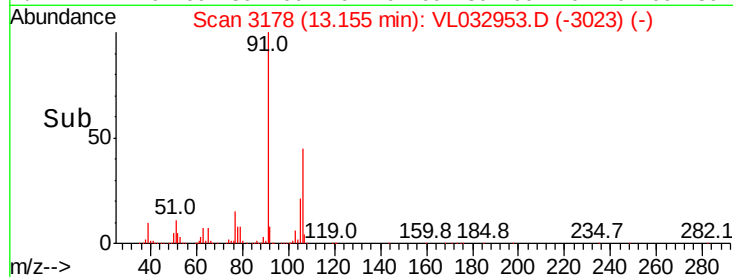
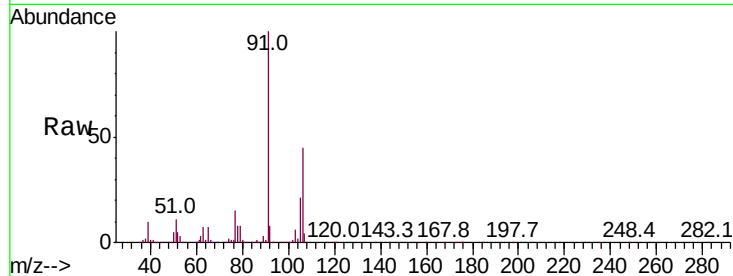
ClientSampleId :

Tot Ion: 91 Resp: 3457191

Ion Ratio Lower Upper

91 100

106 91.6 0.0 0.0#



#60

o-Xylene

Concen: 11.124 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL032953.D

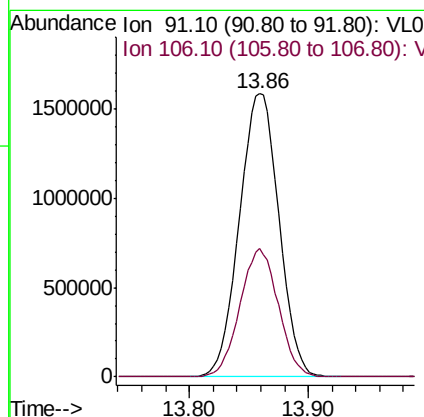
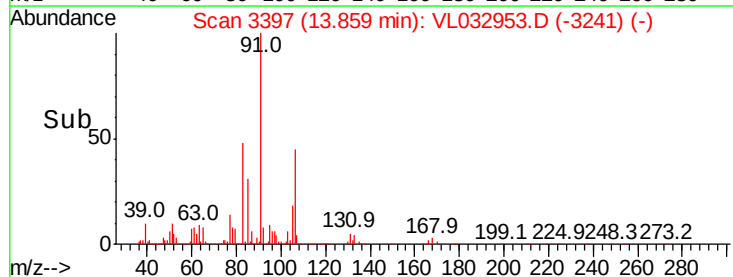
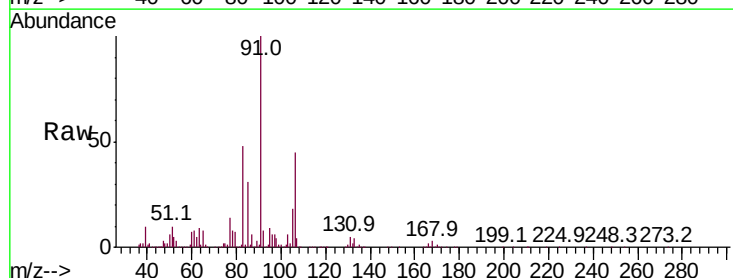
Acq: 11 Dec 2018 12:51

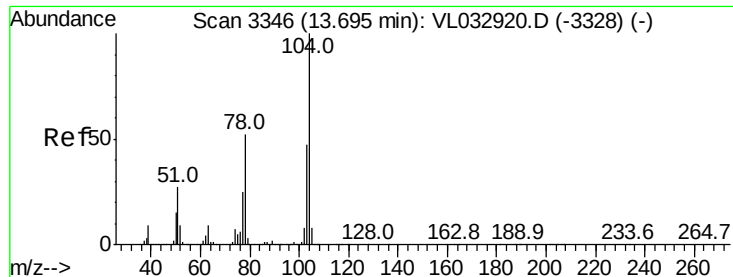
Tgt Ion: 91 Resp: 3639630

Ion Ratio Lower Upper

91 100

106 44.0 21.9 65.8





#61

Stvrene

Concen: 12.156 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

ClientSampleId :

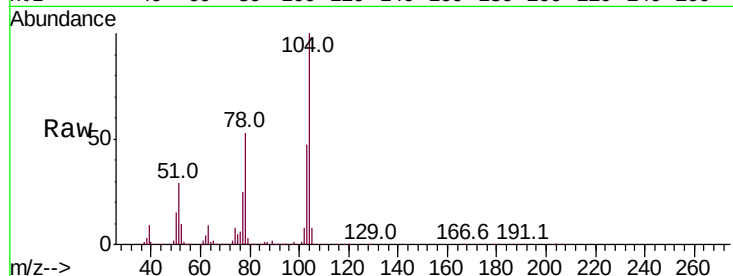
Tot Ion:104 Resp: 2645753

Ion Ratio Lower Upper

104 100

78 53.1 42.0 63.0

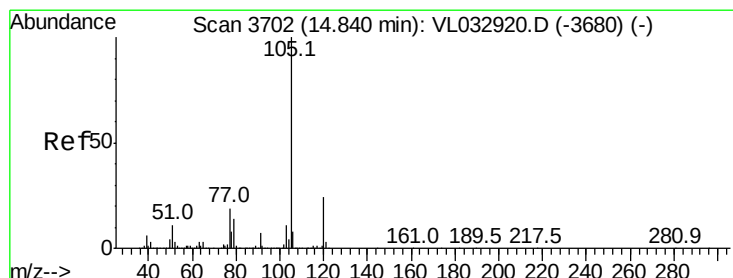
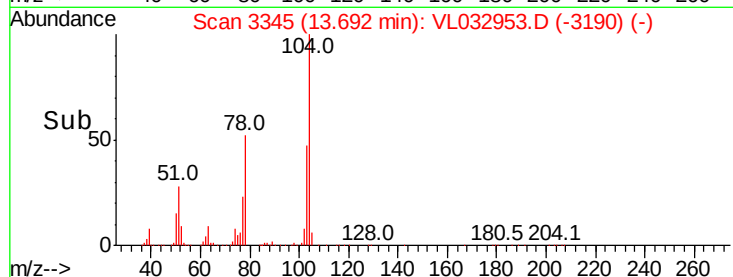
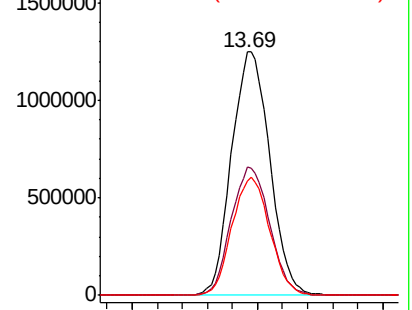
103 48.1 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.584 ppbv

RT: 14.84 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VL032953.D

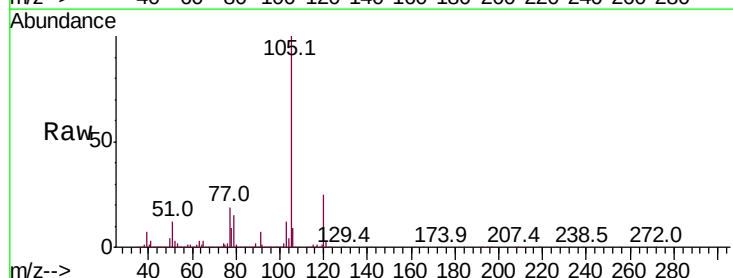
Acq: 11 Dec 2018 12:51

Tgt Ion:105 Resp: 5287741

Ion Ratio Lower Upper

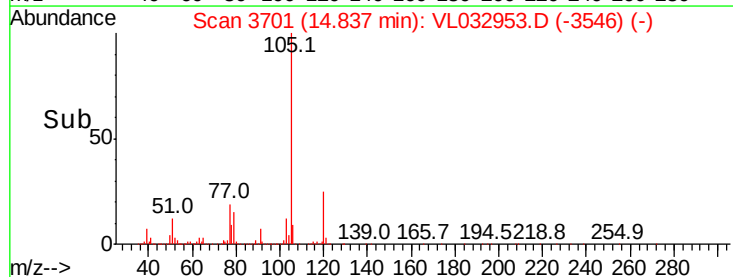
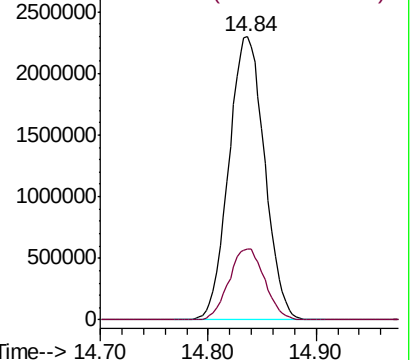
105 100

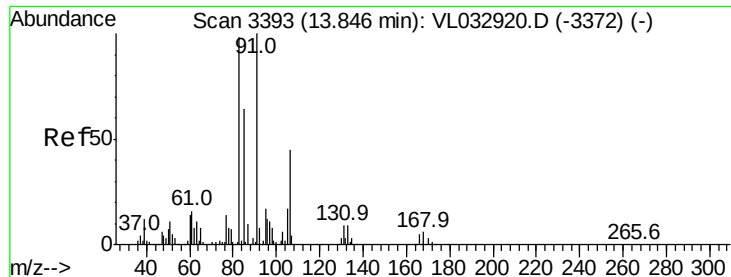
120 25.2 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

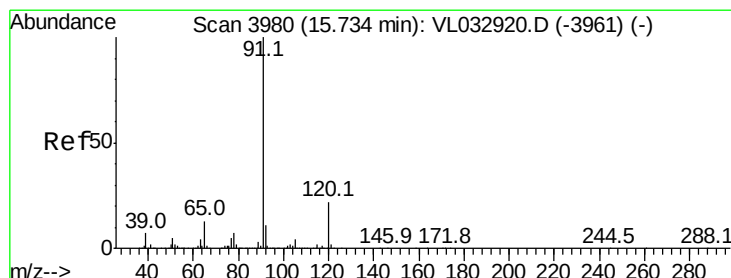
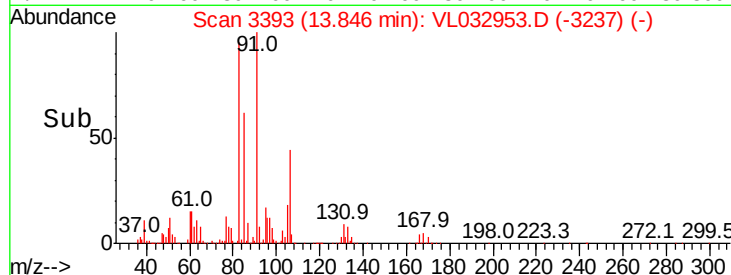
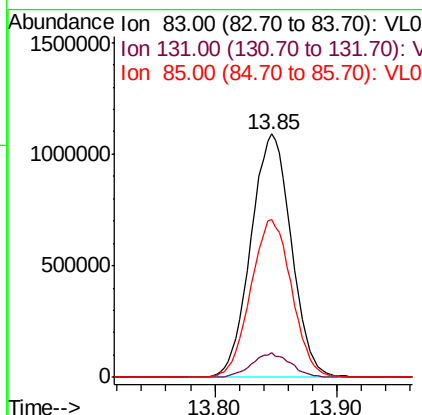
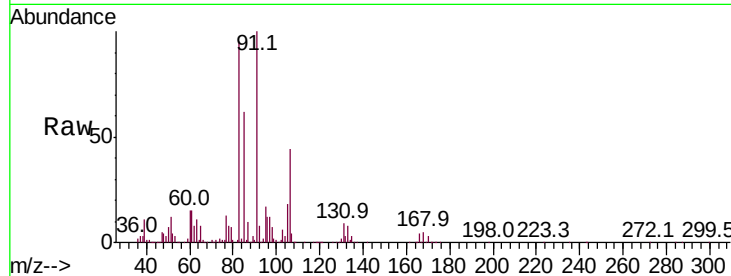




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.842 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

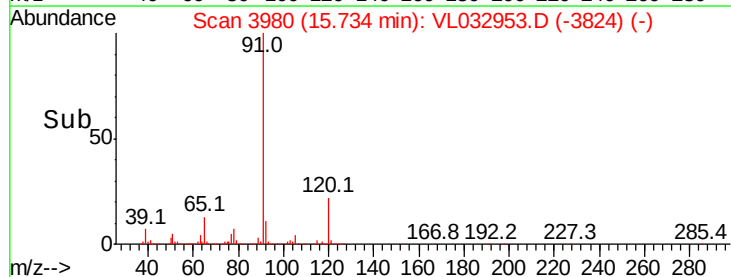
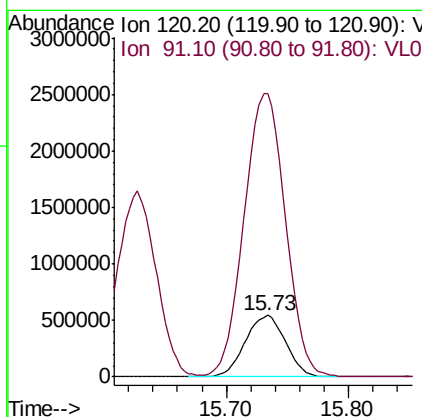
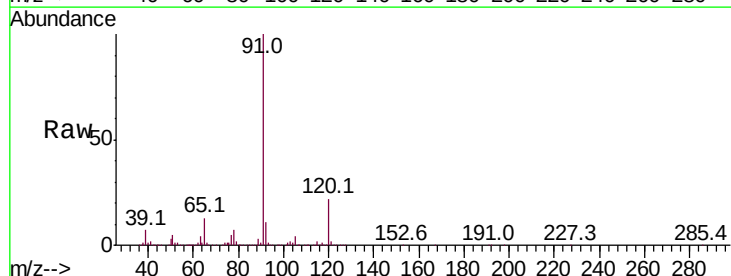
Instrument :
 MSVOA_L
 ClientSampled :

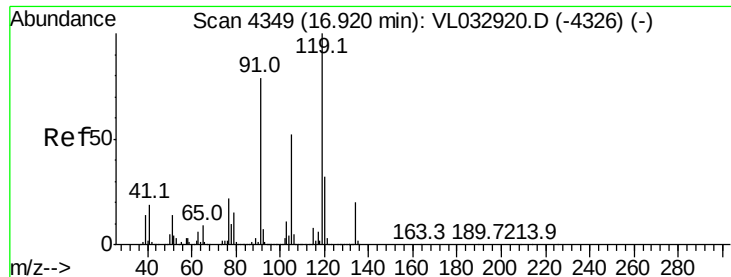
Tot Ion: 83 Resp: 2500319
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.9 14.6
 85 65.8 32.9 98.6



#64
 n-propylbenzene
 Concen: 10.465 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Tgt Ion: 120 Resp: 1240752
 Ion Ratio Lower Upper
 120 100
 91 474.1 380.4 570.6





#65

tert-Butylbenzene

Concen: 10.827 ppbv

RT: 16.92 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

ClientSampleId :

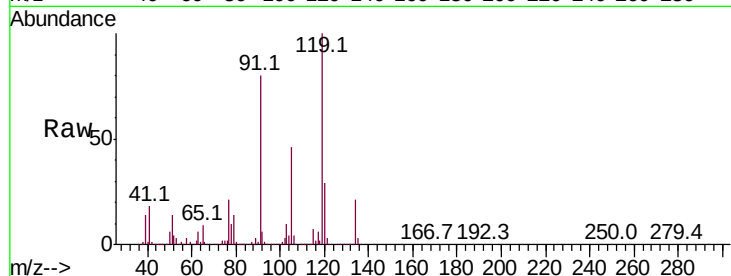
Tot Ion:119 Resp: 4581949

Ion Ratio Lower Upper

119 100

91 81.6 64.5 96.7

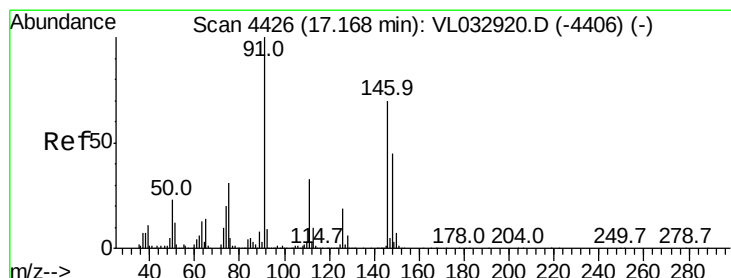
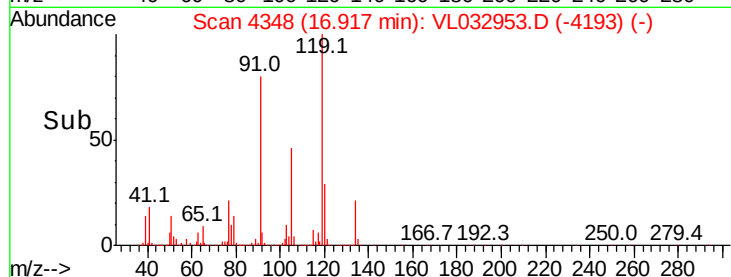
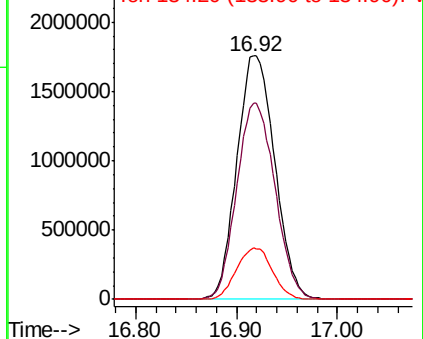
134 19.9 15.7 23.5



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.849 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

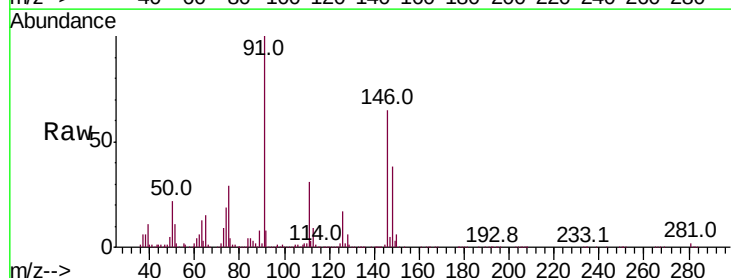
Tgt Ion: 91 Resp: 2544698

Ion Ratio Lower Upper

91 100

126 17.5 14.1 21.1

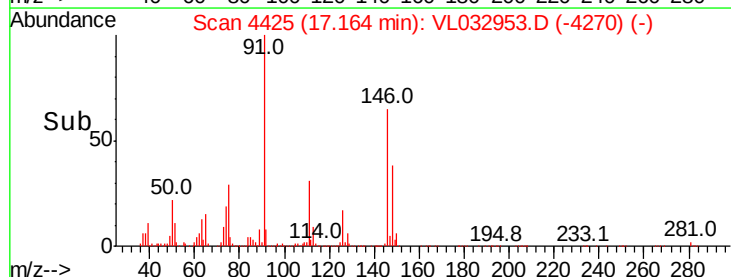
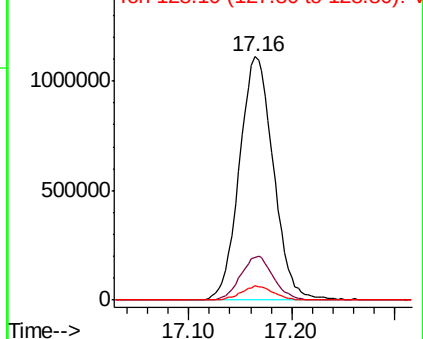
128 5.5 4.5 6.7

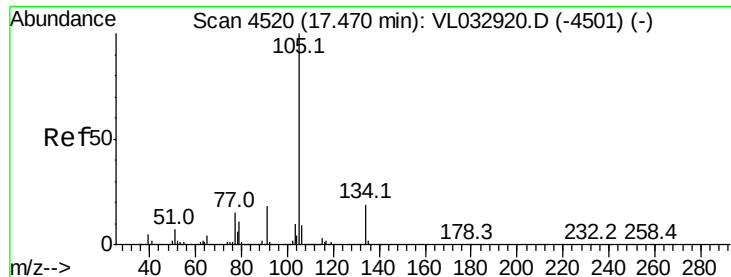


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.576 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

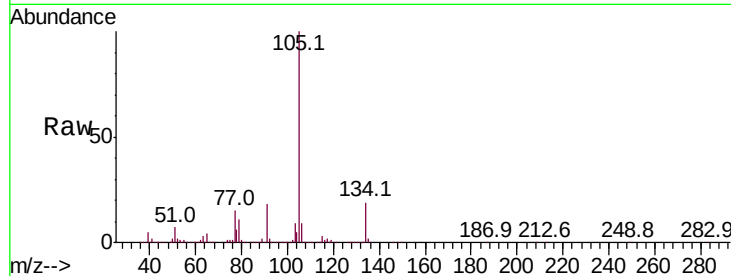
ClientSampled :

Tot Ion:105 Resp: 5975048

Ion Ratio Lower Upper

105 100

134 18.3 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.47

2500000

2000000

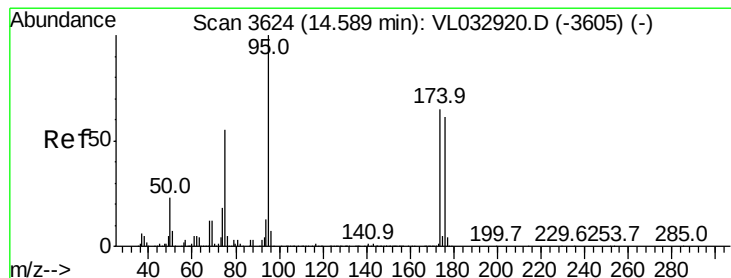
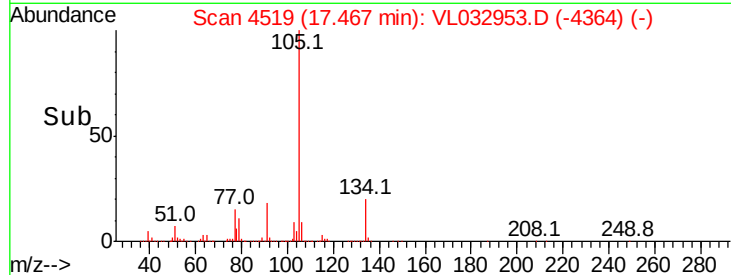
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.450 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

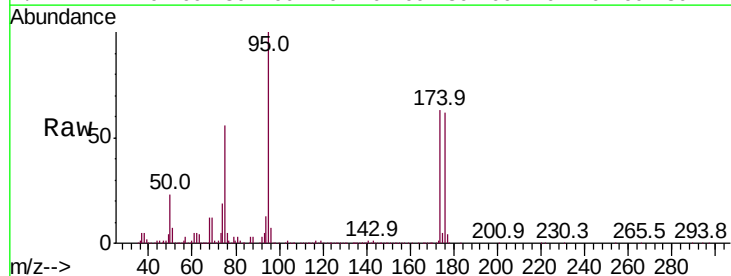
Tgt Ion: 95 Resp: 2586230

Ion Ratio Lower Upper

95 100

174 64.3 51.4 77.0

175 4.8 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

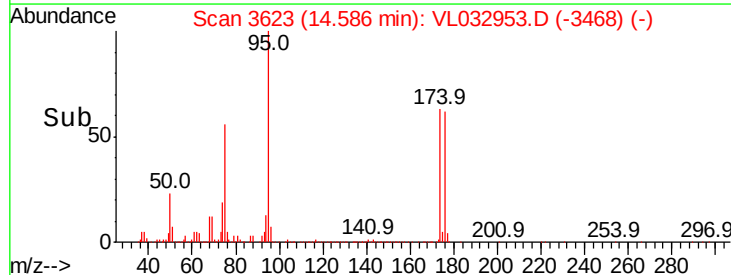
1500000

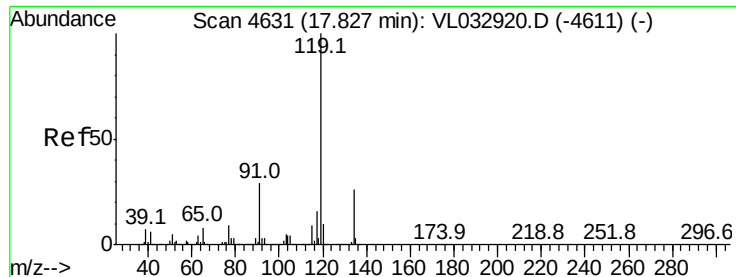
1000000

500000

0

Time-->



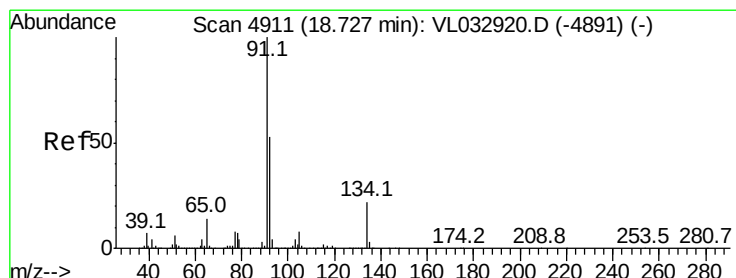
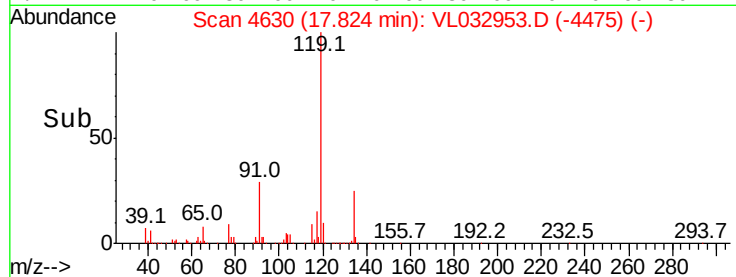
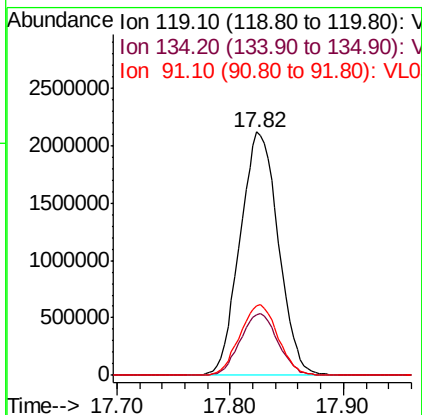
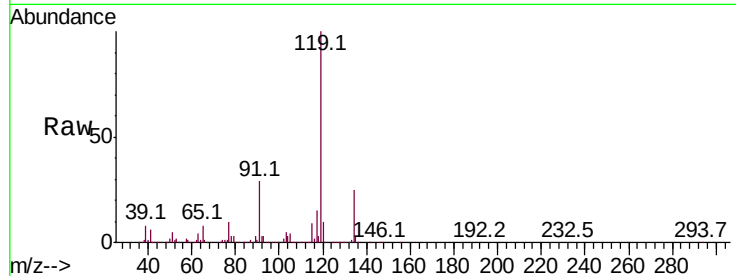


#69
 p-Isopropyltoluene
 Concen: 9.864 ppbv
 RT: 17.82 min Scan# 4630
 Delta R.T. -0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:119 Resp: 4987678

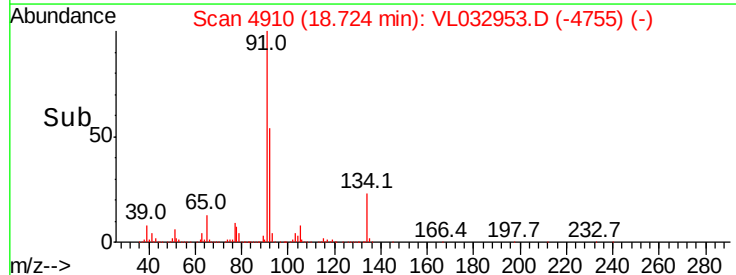
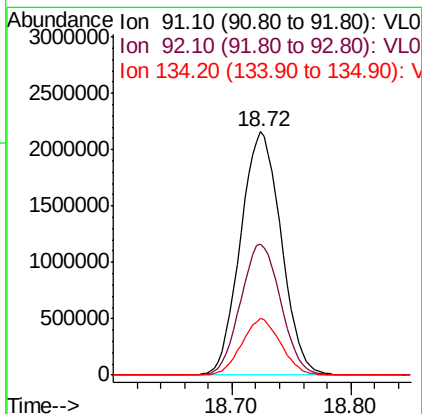
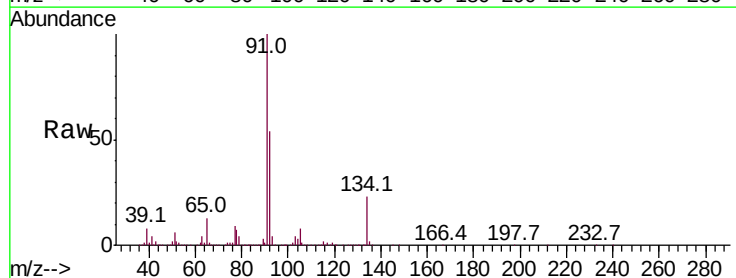
Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.2	30.2
91	28.9	22.9	34.3

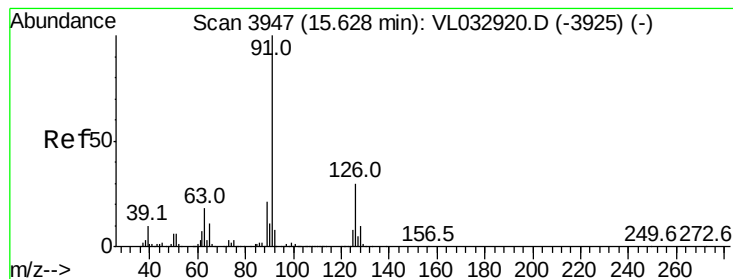


#70
 n-Butylbenzene
 Concen: 10.976 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. -0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Tgt Ion: 91 Resp: 5105928

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.7	64.1
134	22.2	18.0	27.0

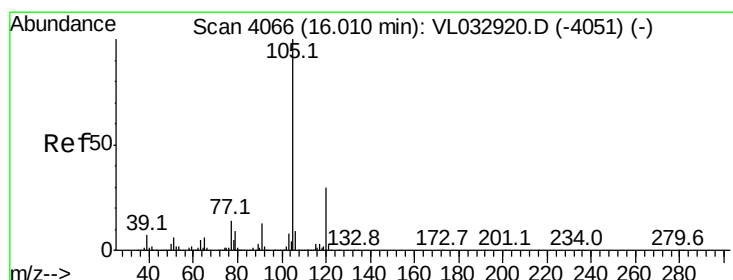
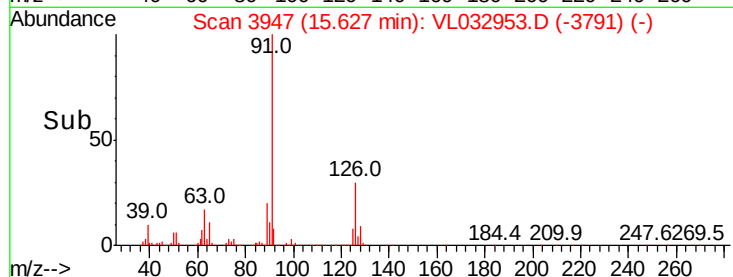
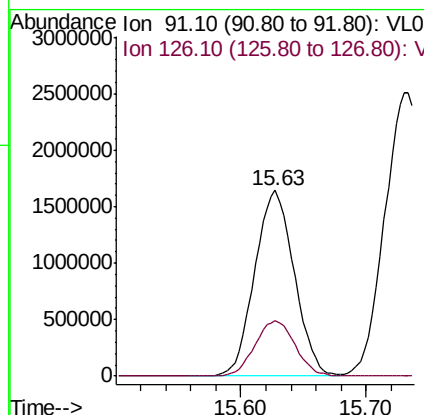
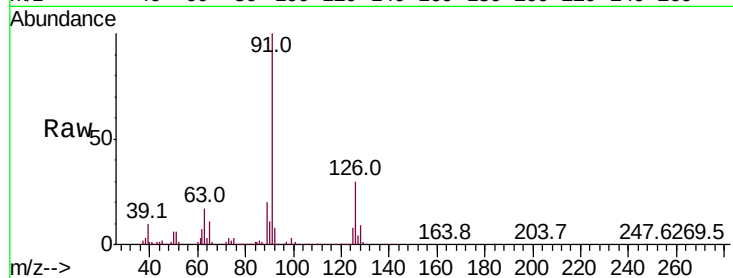




#71
 2-Chlorotoluene
 Concen: 10.619 ppbv
 RT: 15.63 min Scan# 3947
 Delta R.T. -0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

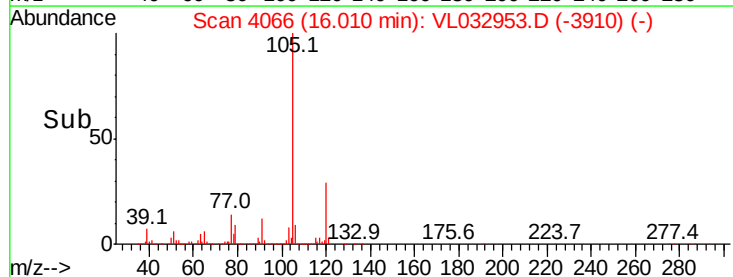
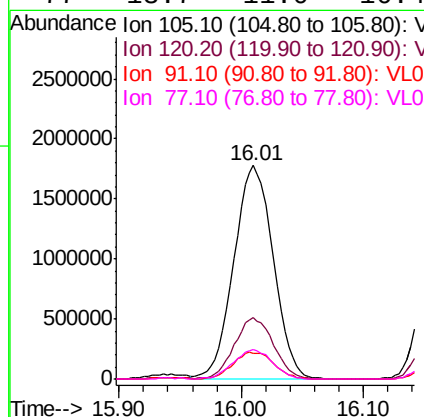
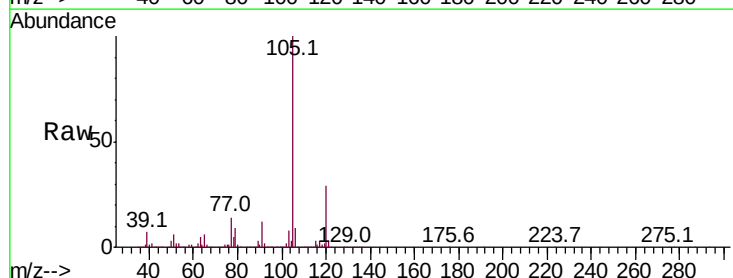
Instrument :
 MSVOA_L
 ClientSampleId :

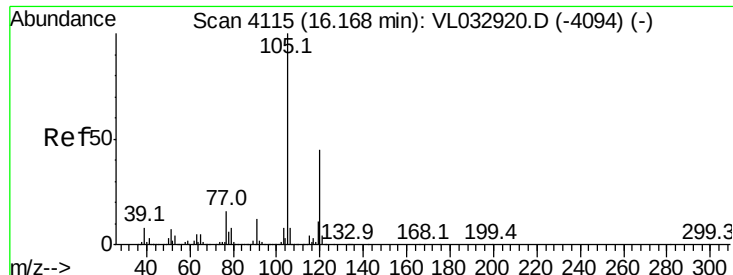
Tot Ion: 91 Resp: 3604753
 Ion Ratio Lower Upper
 91 100
 126 30.4 12.3 49.3



#72
 4-Ethyltoluene
 Concen: 10.849 ppbv
 RT: 16.01 min Scan# 4066
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Tgt Ion:105 Resp: 3962814
 Ion Ratio Lower Upper
 105 100
 120 28.6 23.0 34.4
 91 13.1 10.4 15.6
 77 13.7 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 11.270 ppbv

RT: 16.17 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

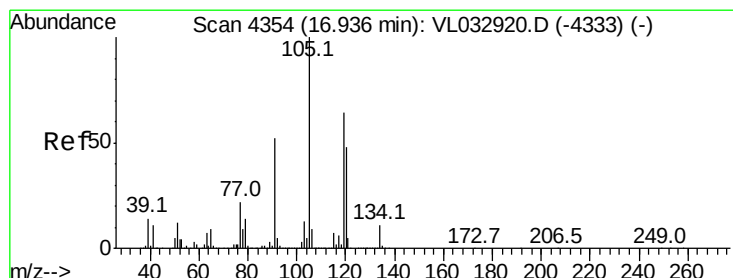
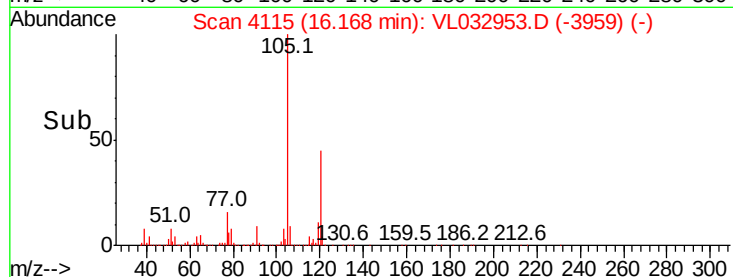
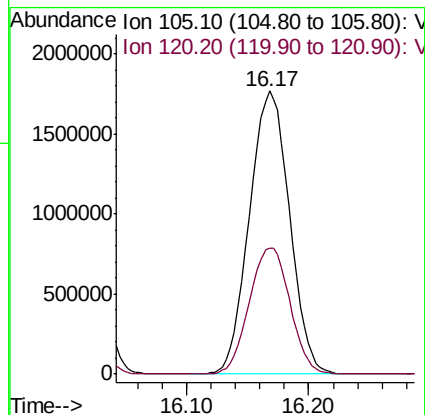
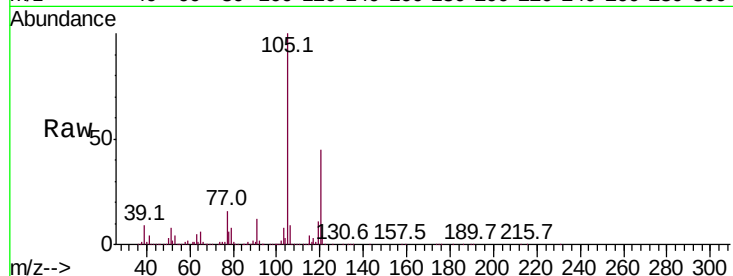
ClientSampleId :

Tot Ion:105 Resp: 4018779

Ion Ratio Lower Upper

105 100

120 44.6 36.0 54.0



#74

1,2,4-Trimethylbenzene

Concen: 10.396 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Tgt Ion:105 Resp: 4185955

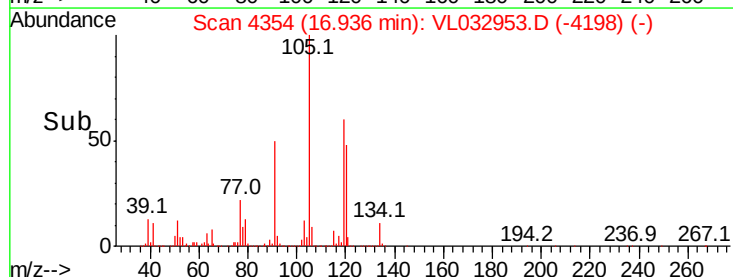
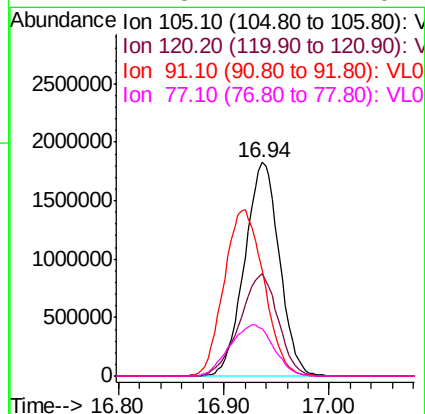
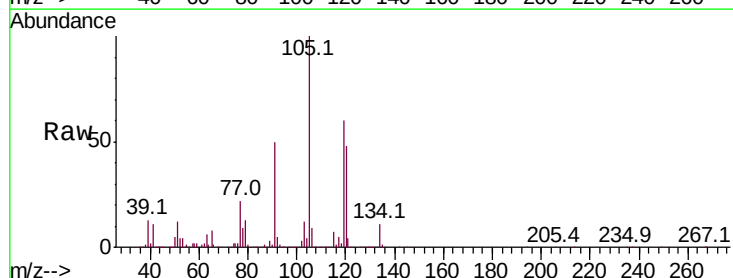
Ion Ratio Lower Upper

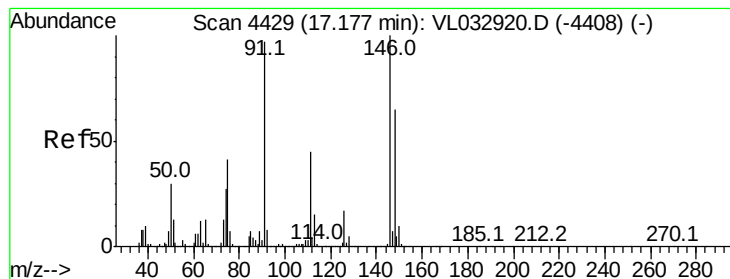
105 100

120 47.8 38.6 58.0

91 49.7 41.7 62.5

77 22.3 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 9.279 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

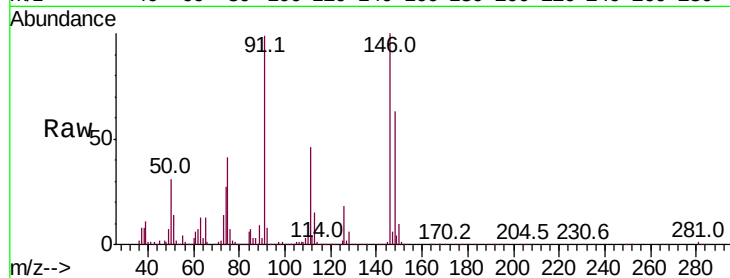
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2200137

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.6	70.8
148	64.2	32.1	96.3

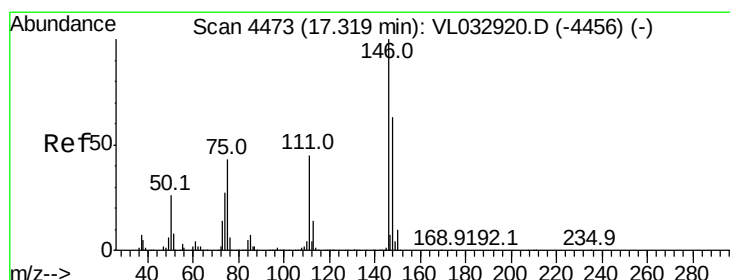
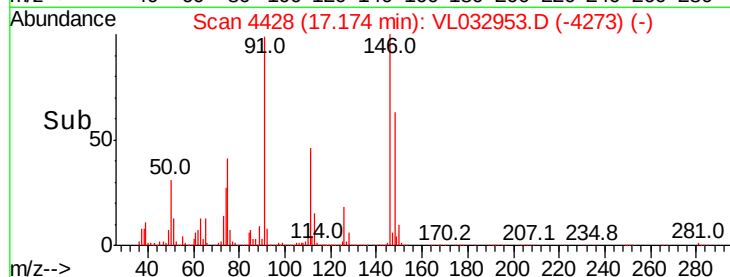
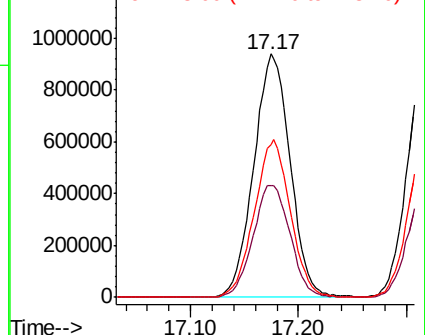


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.642 ppbv

RT: 17.32 min Scan# 4473

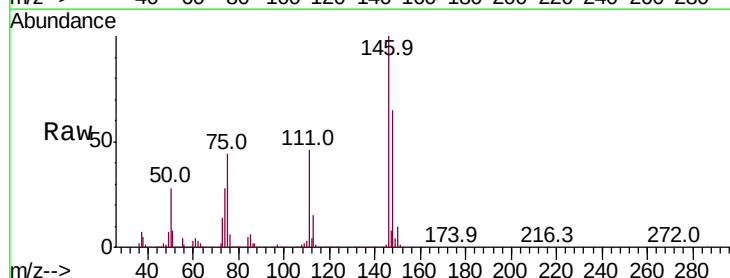
Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Tgt Ion:146 Resp: 2133252

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.8	68.4
148	64.9	32.0	96.2

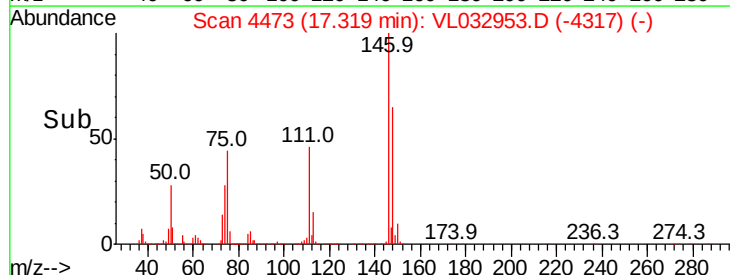
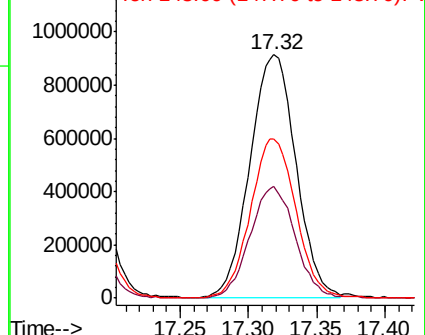


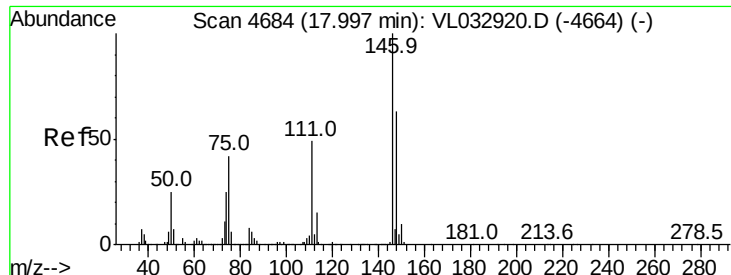
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

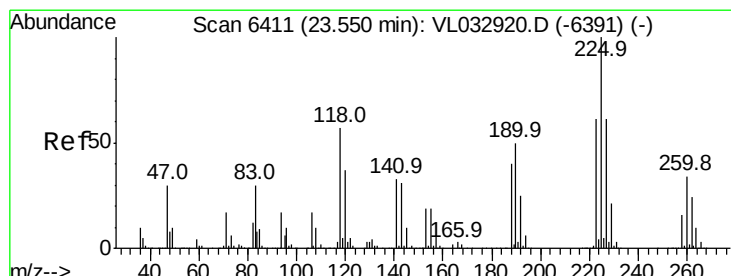
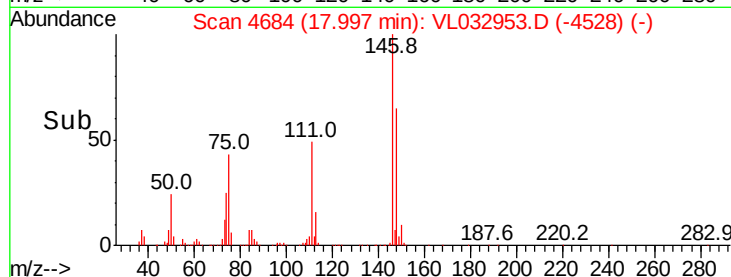
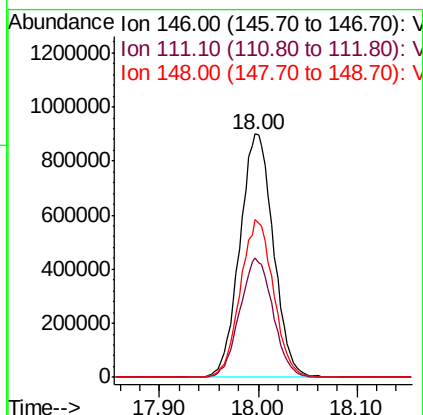
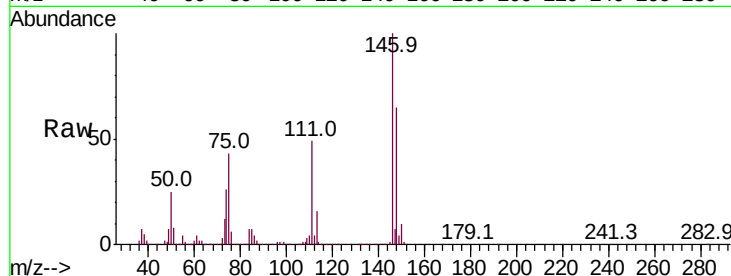




#77
 1,2-Dichlorobenzene
 Concen: 9.579 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

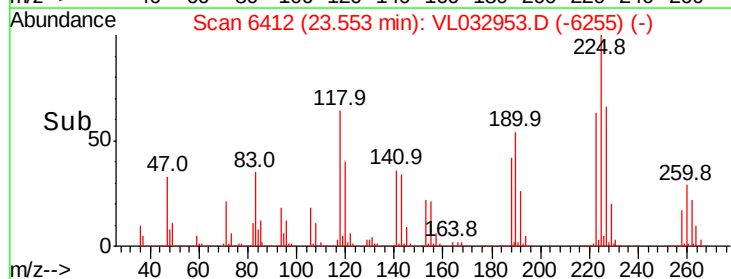
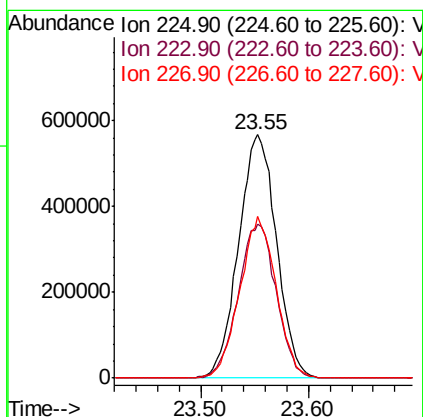
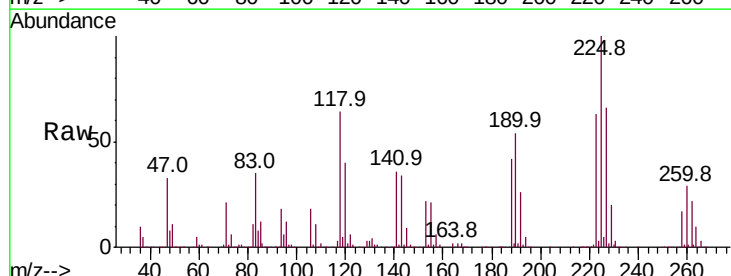
Instrument :
 MSVOA_L
 ClientSampleId :

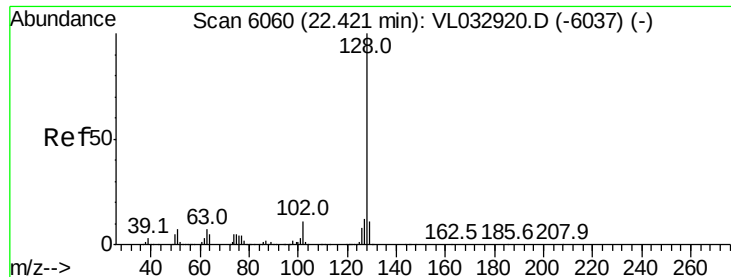
Tot Ion:146 Resp: 2121017
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.3 72.9
 148 64.1 32.0 96.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 11.356 ppbv
 RT: 23.55 min Scan# 6412
 Delta R.T. 0.00 min
 Lab File: VL032953.D
 Acq: 11 Dec 2018 12:51

Tgt Ion:225 Resp: 1382929
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.6 75.8
 227 63.6 50.4 75.6





#79

Naphthalene

Concen: 11.491 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

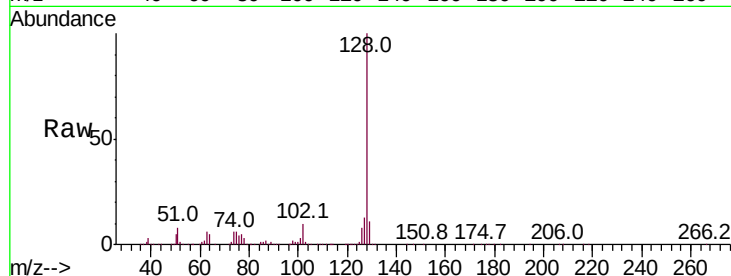
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:128 Resp: 2987608

Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.9	14.9
129	10.8	8.6	13.0

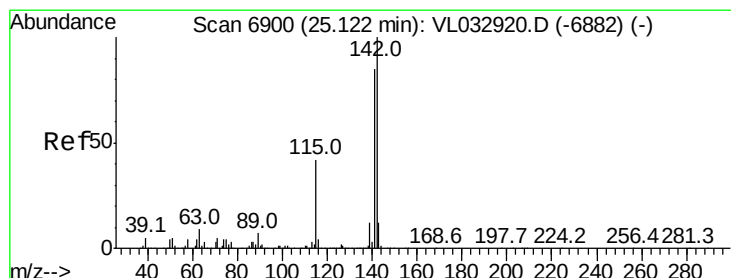
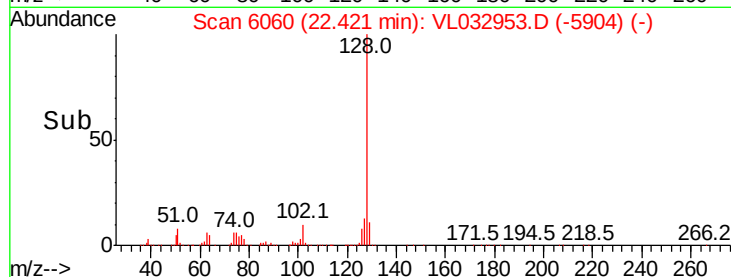
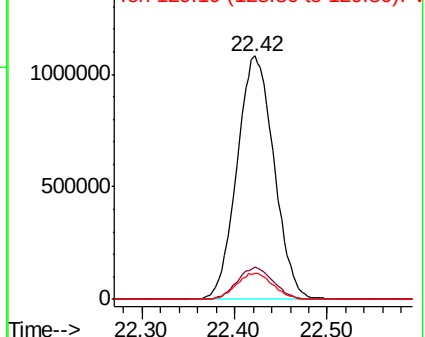


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 16.272 ppbv

RT: 25.12 min Scan# 6899

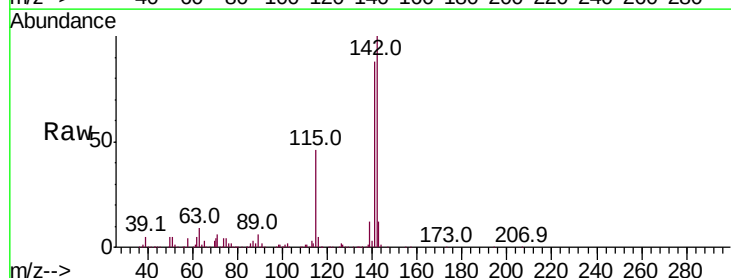
Delta R.T. -0.00 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Tgt Ion:142 Resp: 903881

Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.2	102.2
115	44.2	35.1	52.7

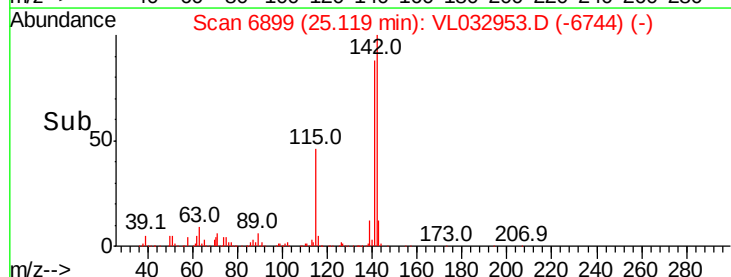
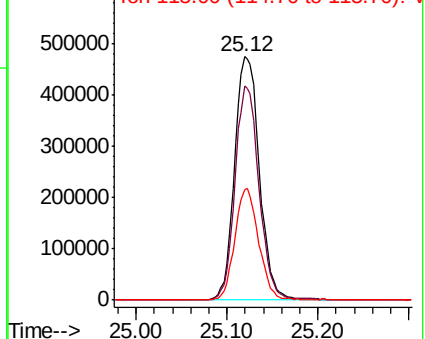


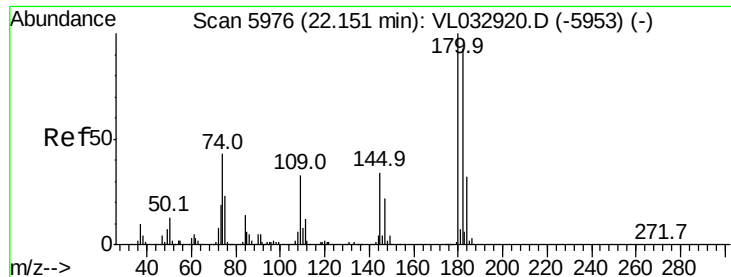
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.719 ppbv

RT: 22.14 min Scan# 5974

Delta R.T. -0.01 min

Lab File: VL032953.D

Acq: 11 Dec 2018 12:51

Instrument :

MSVOA_L

ClientSampleId :

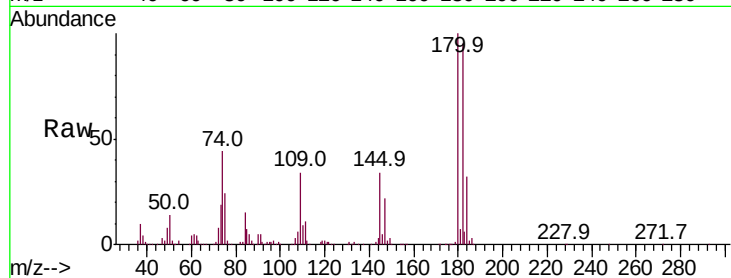
Tot Ion:180 Resp: 1477918

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.6

184 29.9 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

