

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035042.D
 Acq On : 19 May 2020 12:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 04:42:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1165171	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2700809	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2708726	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2194514	10.01	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1221508	7.387	ppbv 99
3) Chlorodifluoromethane	2.93	51	1201245	9.030	ppbv 100
4) Chloromethane	3.09	50	692727	9.086	ppbv 99
5) Vinyl Chloride	3.21	62	684921	9.209	ppbv 99
6) Bromomethane	3.43	94	403981	9.097	ppbv 92
7) Chloroethane	3.51	64	245755	9.201	ppbv # 89
8) Dichlorotetrafluoroethane	3.14	85	1518630	8.874	ppbv 100
9) Propene	2.96	41	512095	8.871	ppbv 98
10) Heptane	8.12	43	1404272	9.710	ppbv 99
11) Trichlorofluoromethane	3.91	101	1580733	9.270	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1093188	9.004	ppbv 98
13) Ethanol	3.56	45	160740	8.438	ppbv 98
14) Bromoethene	3.70	108	477120	9.509	ppbv 97
15) Acetone	3.81	43	1244361	8.078	ppbv 100
16) 1,3-Butadiene	3.28	39	618220	9.326	ppbv 100
17) tert-Butyl alcohol	4.25	59	1239745	9.046	ppbv 100
18) 1,1-Dichloroethene	4.25	96	507432	9.633	ppbv 92
19) Isopropyl Alcohol	3.92	45	951647	9.264	ppbv # 99
20) Methylene Chloride	4.31	84	439669	8.622	ppbv 91
21) Allyl Chloride	4.38	41	852697	9.800	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	493323	9.455	ppbv 97
23) Vinyl Acetate	5.04	43	1868187	9.564	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1382055	9.186	ppbv 99
25) Ethyl Acetate	5.65	43	2410892	9.318	ppbv 100
26) Hexane	5.66	57	1067636	9.518	ppbv 100
27) Carbon Disulfide	4.51	76	1263913	9.560	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1580572	9.252	ppbv 100
29) Chloroform	5.73	83	1649793	8.989	ppbv 99
30) Cyclohexane	7.12	84	884500	10.218	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1077870	9.848	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	1559728	9.410	ppbv 99
34) 2-Butanone	5.21	43	1574614	9.380	ppbv 99
35) Carbon Tetrachloride	7.01	117	1612242	9.458	ppbv 99
36) Benzene	6.88	78	2133081	9.580	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1306991	9.515	ppbv 99
38) Trichloroethene	7.83	130	817672	9.479	ppbv 99
39) 1,2-Dichloropropane	7.61	63	830917	9.309	ppbv 98
40) 1,4-Dioxane	7.82	88	347452	9.576	ppbv 95
41) Tetrahydrofuran	6.03	42	871277	9.859	ppbv 99
42) Bromodichloromethane	7.79	83	1761676	9.510	ppbv 98
43) Methyl Methacrylate	8.01	69	978191	10.403	ppbv 98

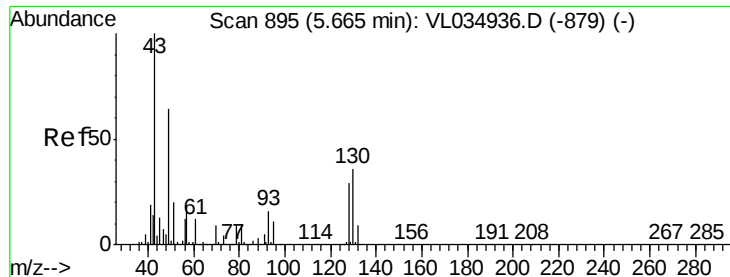
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3677784	9.290	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1071490	11.292	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1270631	10.907	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	903541	9.592	ppbv	97
48) Dibromochloromethane	10.31	129	1442218	9.956	ppbv	100
49) Bromoform	13.06	173	1254220	10.063	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2350232	9.819	ppbv	99
51) 2-Hexanone	10.13	43	1937280	10.348	ppbv #	99
52) Tetrachloroethene	11.23	164	731201	9.235	ppbv	99
53) Toluene	9.81	91	2443461	10.352	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1345920	9.730	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1082620	8.863	ppbv	97
57) Chlorobenzene	12.16	112	1840621	8.577	ppbv	99
58) Ethyl Benzene	12.73	91	3306982	9.873	ppbv	100
59) m/p-Xylene	13.01	91	1836673	6.232	ppbv #	42
60) o-Xylene	13.71	91	2708645	9.314	ppbv	100
61) Styrene	13.55	104	1945878	10.573	ppbv	99
62) Isopropylbenzene	14.69	105	3996617	9.205	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1917416	8.376	ppbv	99
64) n-propylbenzene	15.58	120	1037519	9.316	ppbv	98
65) tert-Butylbenzene	16.77	119	3417208	9.075	ppbv	100
66) Benzyl Chloride	17.02	91	1271613	9.947	ppbv	98
67) sec-Butylbenzene	17.32	105	4893753	9.104	ppbv	99
69) p-Isopropyltoluene	17.68	119	4004624	9.208	ppbv	99
70) n-Butylbenzene	18.58	91	4232232	9.144	ppbv	99
71) 2-Chlorotoluene	15.47	91	3073603	9.378	ppbv	100
72) 4-Ethyltoluene	15.86	105	3145428	9.695	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2920883	9.251	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	3041872	8.826	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	1703987	8.420	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1738607	9.042	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1647246	8.639	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1377516	8.475	ppbv	100
79) Naphthalene	22.24	128	3029262	11.287	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	1351178	20.481	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	1572884	9.665	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

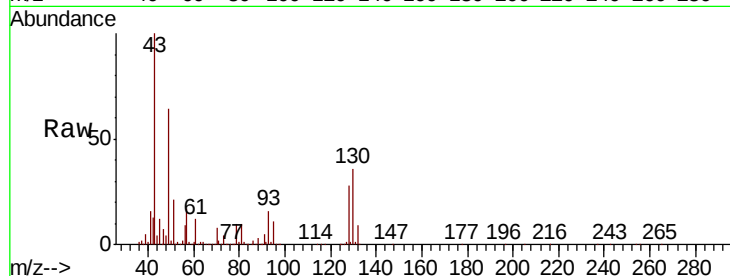
Tot Ion: 49 Resp: 1165171

Ion Ratio Lower Upper

49 100

128 45.1 22.1 66.5

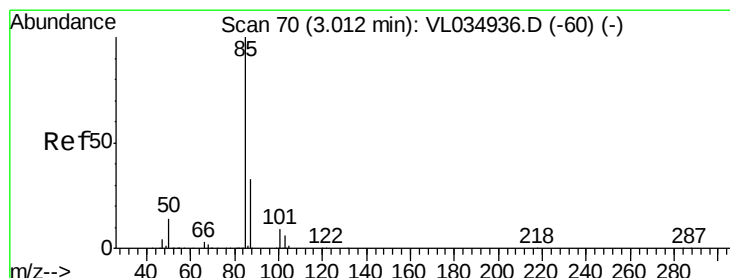
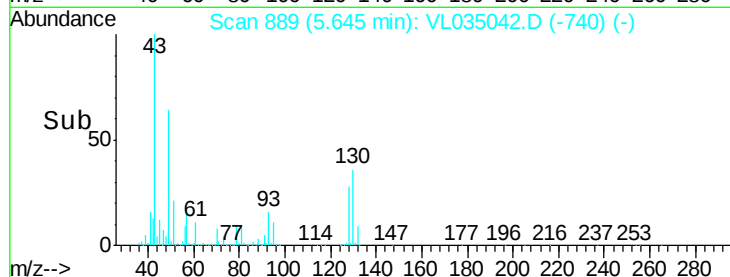
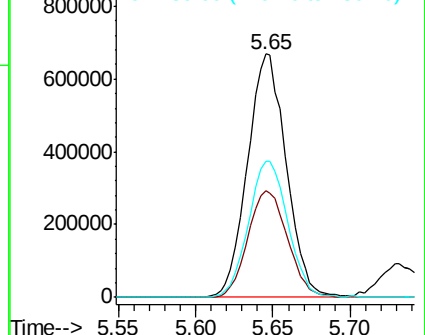
130 57.1 29.1 87.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.387 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035042.D

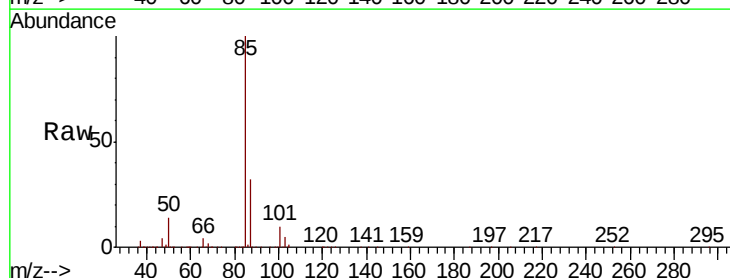
Acq: 19 May 2020 12:09

Tgt Ion: 85 Resp: 1221508

Ion Ratio Lower Upper

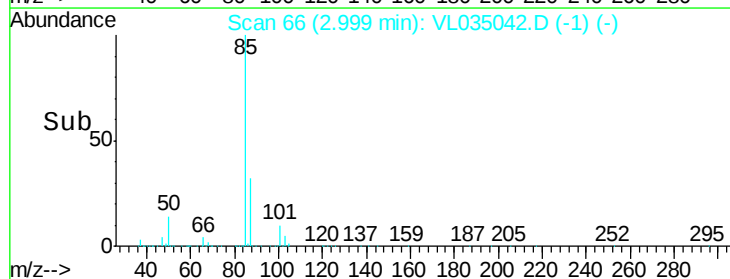
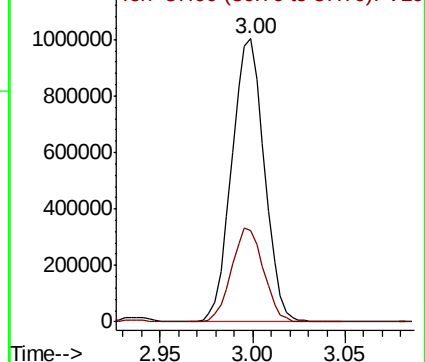
85 100

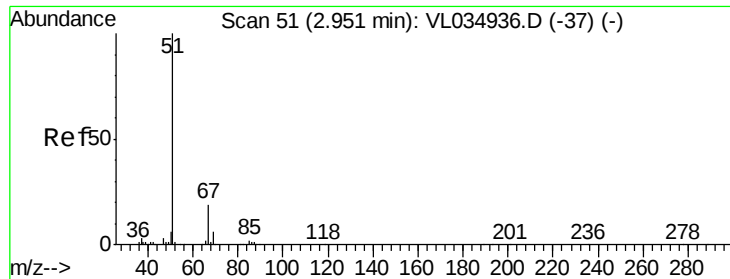
87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.030 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

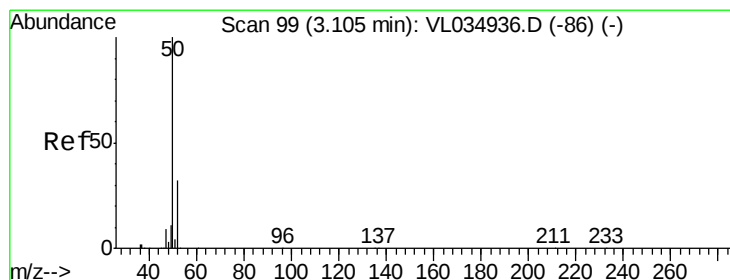
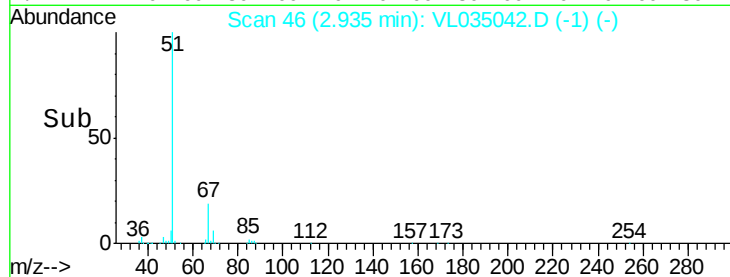
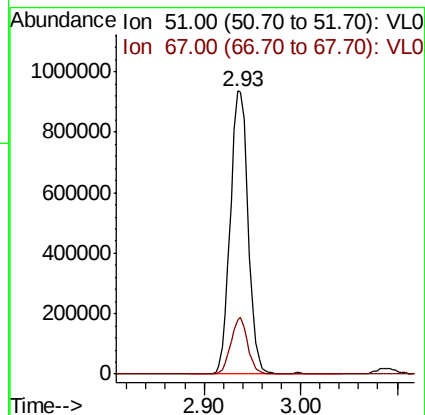
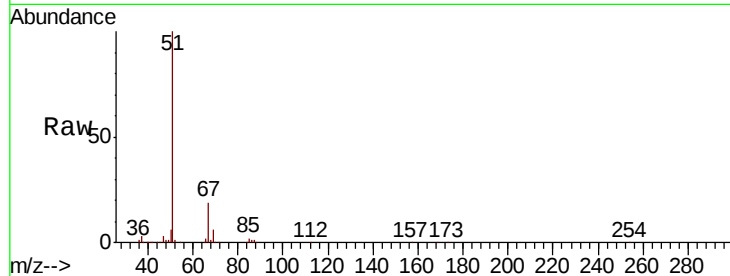
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 51 Resp: 1201245

Ion Ratio Lower Upper

51 100

67 18.9 15.0 22.6



#4

Chloromethane

Concen: 9.086 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.02 min

Lab File: VL035042.D

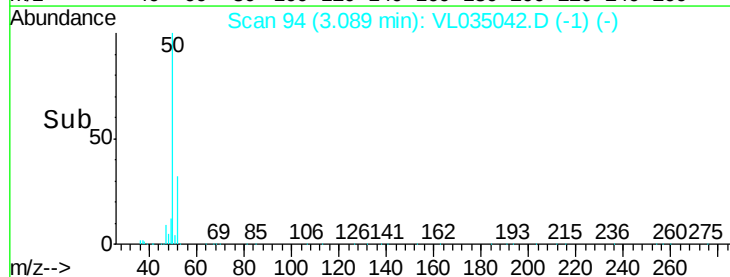
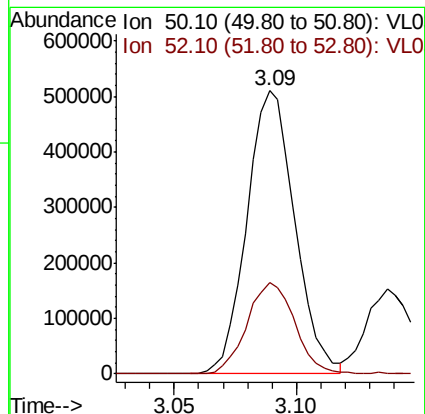
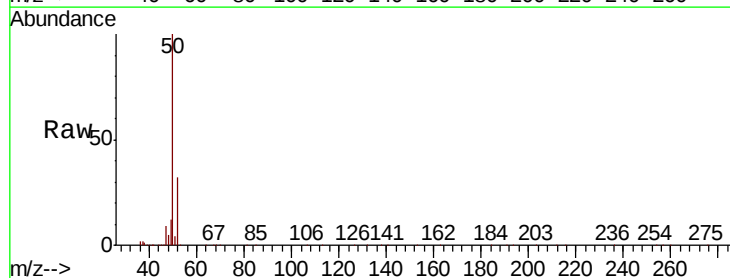
Acq: 19 May 2020 12:09

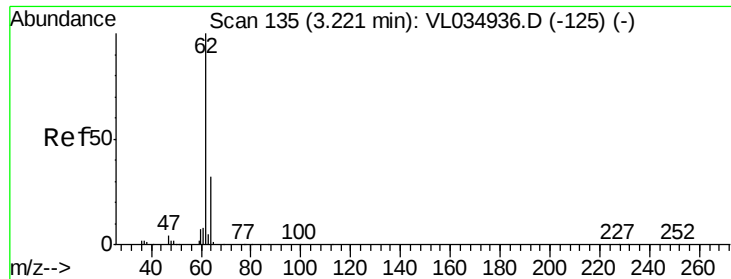
Tgt Ion: 50 Resp: 692727

Ion Ratio Lower Upper

50 100

52 32.1 25.4 38.2





#5

Vinyl Chloride

Concen: 9.209 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

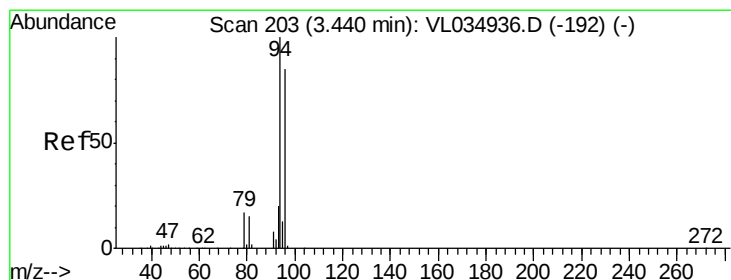
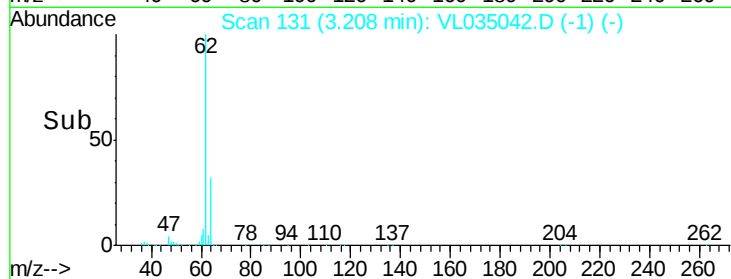
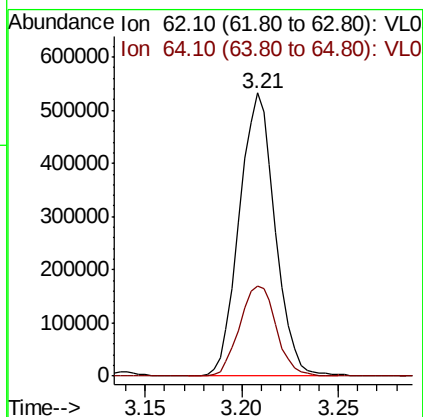
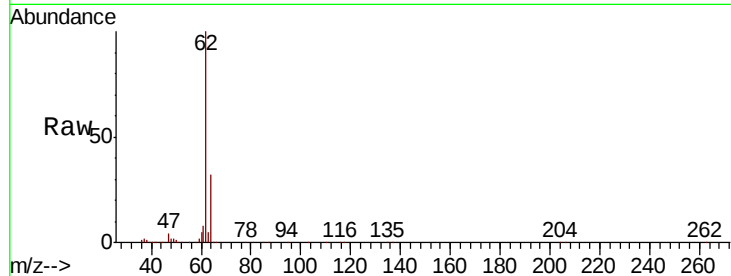
ClientSampleId :

Tot Ion: 62 Resp: 684921

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5



#6

Bromomethane

Concen: 9.097 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035042.D

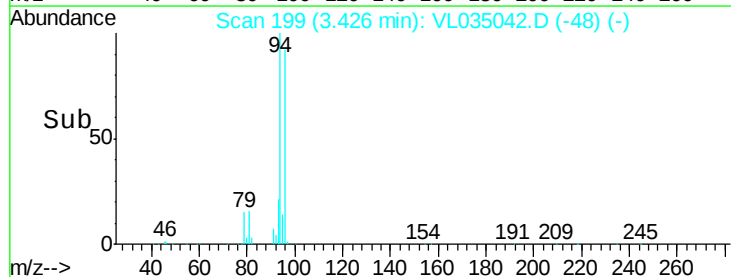
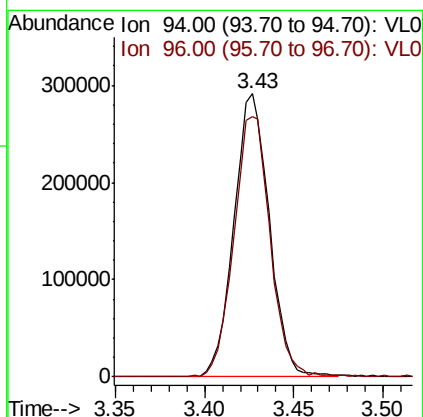
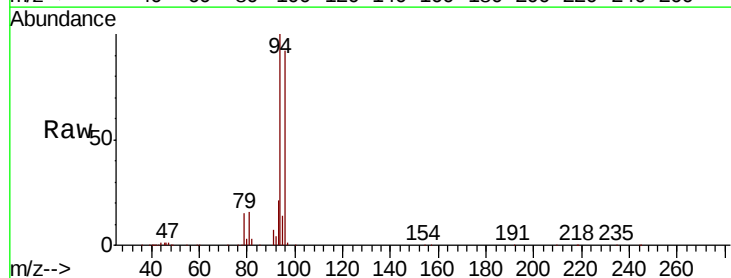
Acq: 19 May 2020 12:09

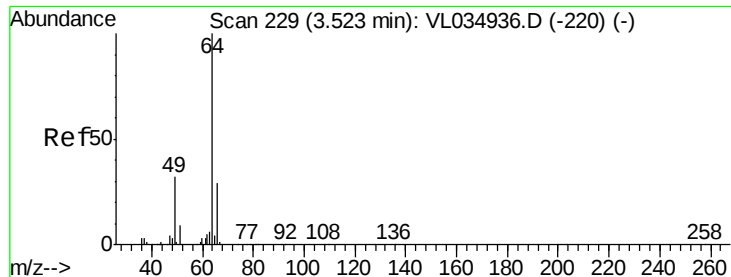
Tgt Ion: 94 Resp: 403981

Ion Ratio Lower Upper

94 100

96 91.8 67.9 101.9





#7

Chloroethane

Concen: 9.201 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

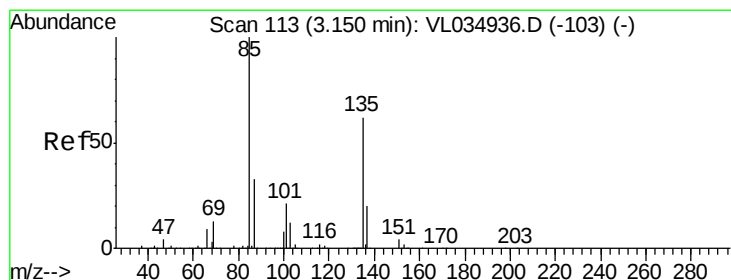
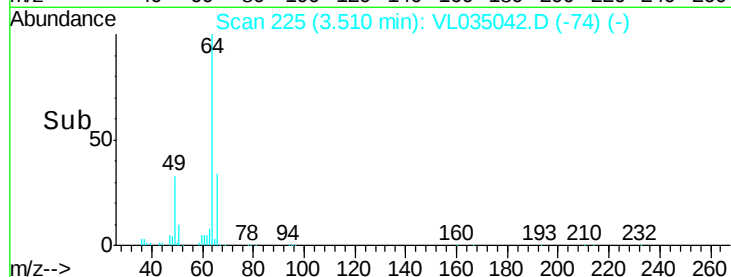
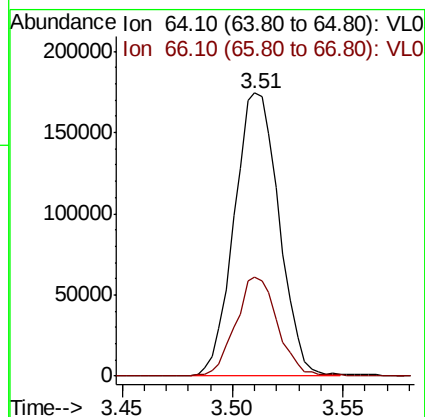
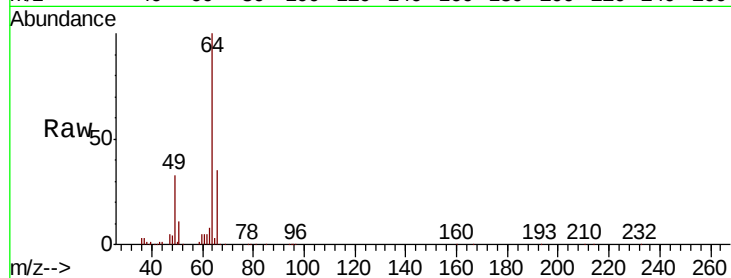
ClientSampleId :

Tot Ion: 64 Resp: 245755

Ion Ratio Lower Upper

64 100

66 34.9 23.2 34.8#



#8

Dichlorotetrafluoroethane

Concen: 8.874 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL035042.D

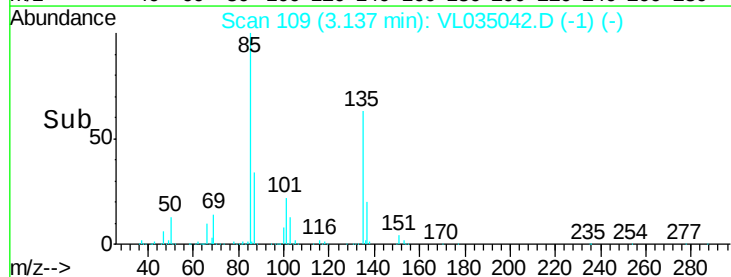
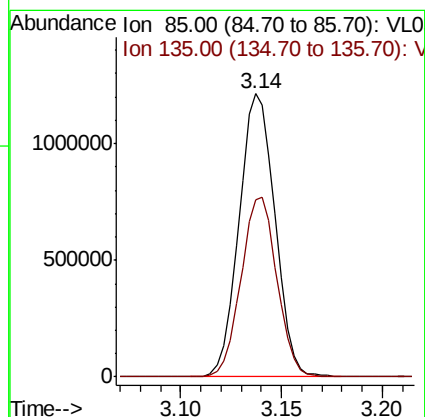
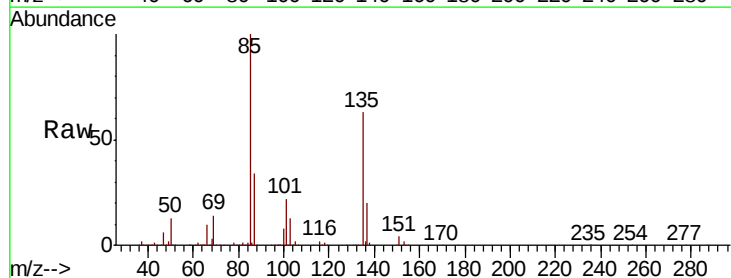
Acq: 19 May 2020 12:09

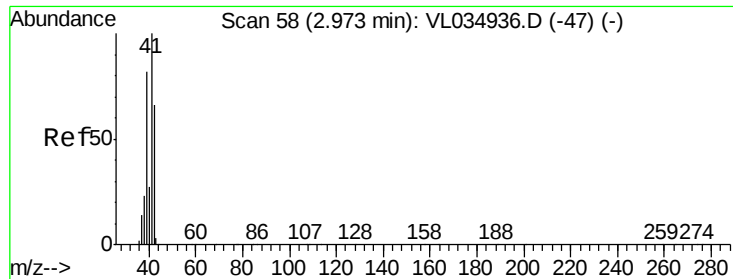
Tgt Ion: 85 Resp: 1518630

Ion Ratio Lower Upper

85 100

135 63.5 50.9 76.3





#9

Propene

Concen: 8.871 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

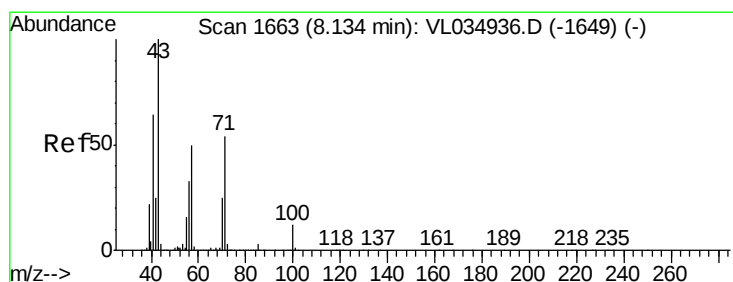
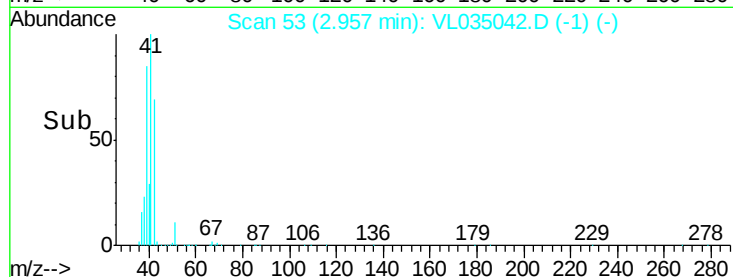
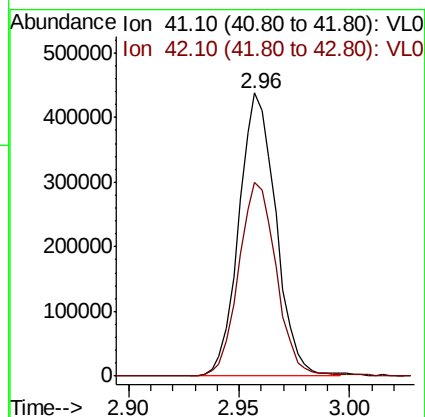
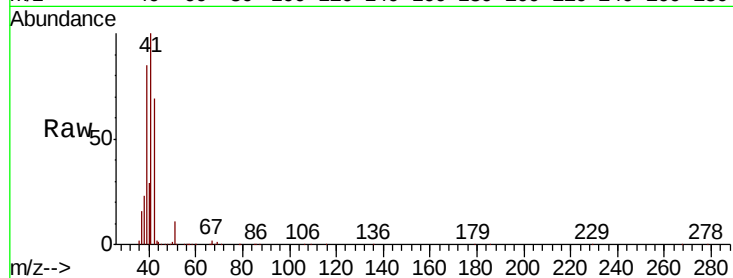
ClientSampleId :

Tot Ion: 41 Resp: 512095

Ion Ratio Lower Upper

41 100

42 70.0 54.5 81.7



#10

Heptane

Concen: 9.710 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.02 min

Lab File: VL035042.D

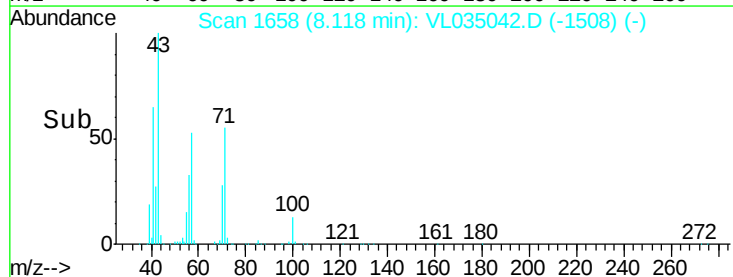
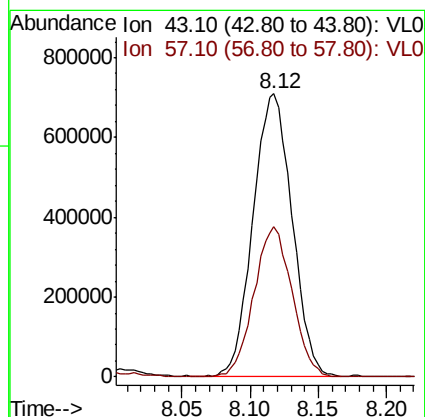
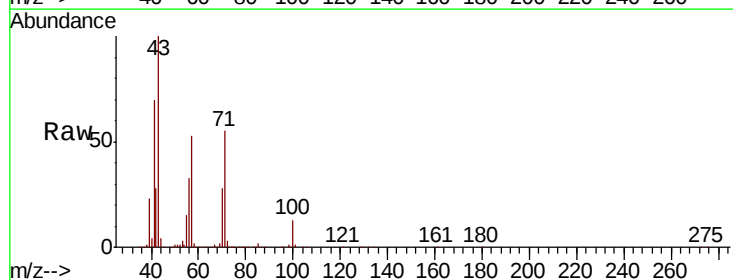
Acq: 19 May 2020 12:09

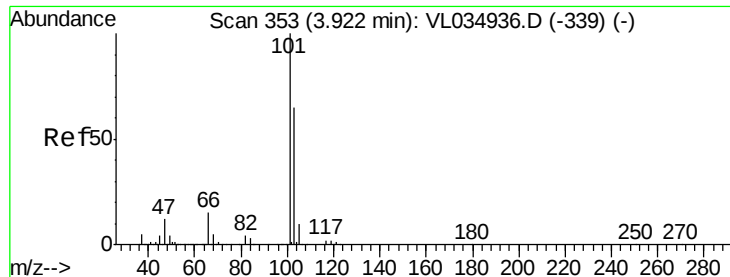
Tgt Ion: 43 Resp: 1404272

Ion Ratio Lower Upper

43 100

57 52.0 41.1 61.7

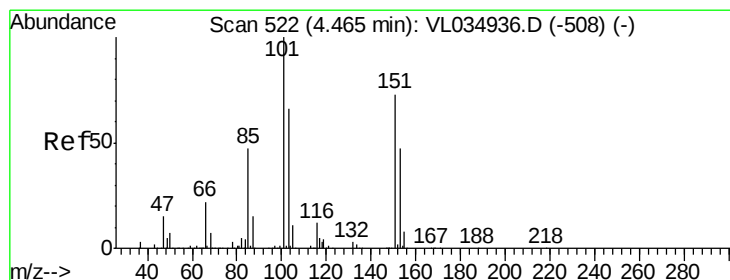
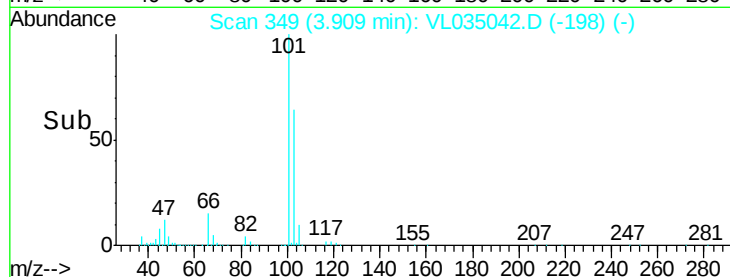
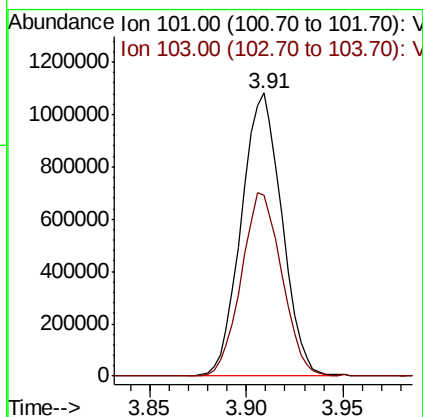
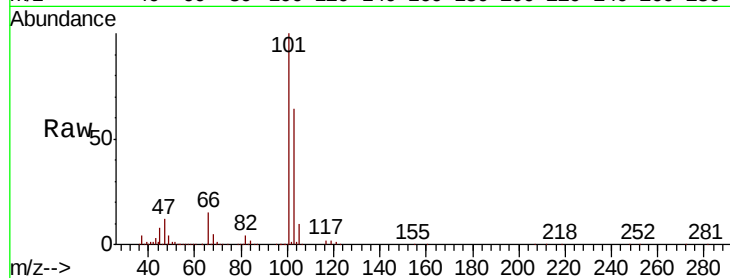




#11
 Trichlorofluoromethane
 Concen: 9.270 ppbv
 RT: 3.91 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

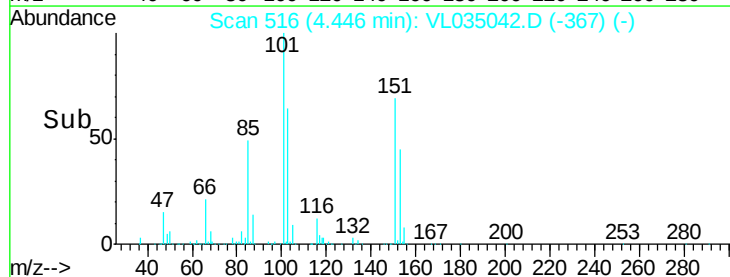
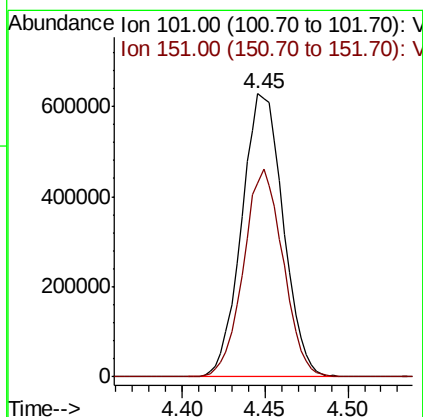
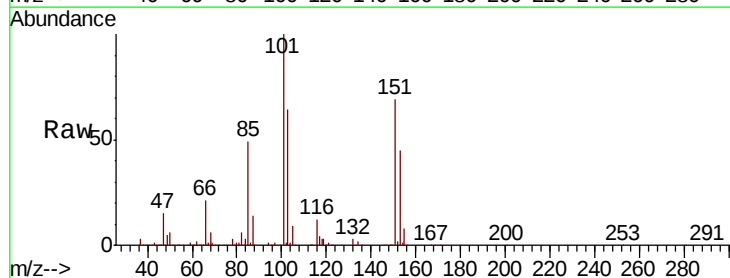
Instrument :
 MSVOA_L
 ClientSampleId :

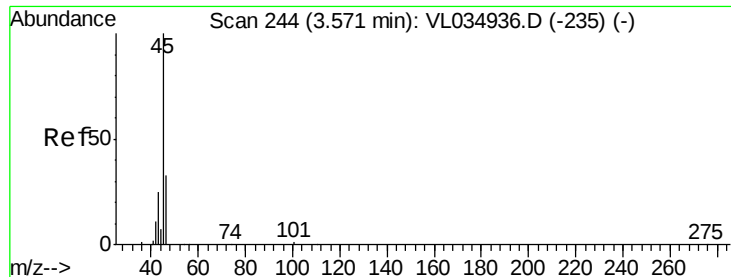
Tot Ion:101 Resp: 1580733
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.004 ppbv
 RT: 4.45 min Scan# 516
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion:101 Resp: 1093188
 Ion Ratio Lower Upper
 101 100
 151 70.2 57.6 86.4





#13

Ethanol

Concen: 8.438 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

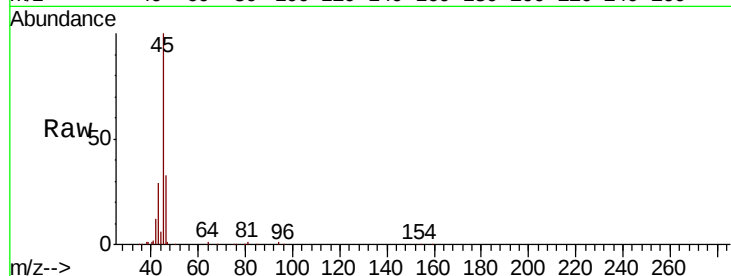
ClientSampled :

Tot Ion: 45 Resp: 160740

Ion Ratio Lower Upper

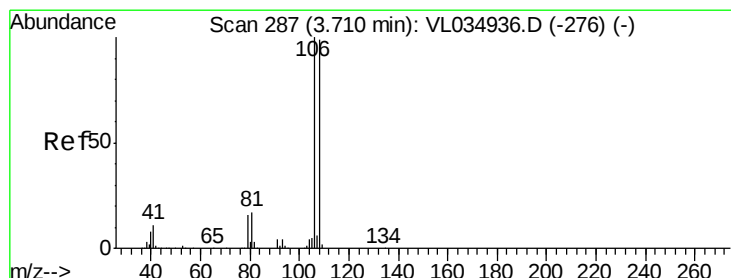
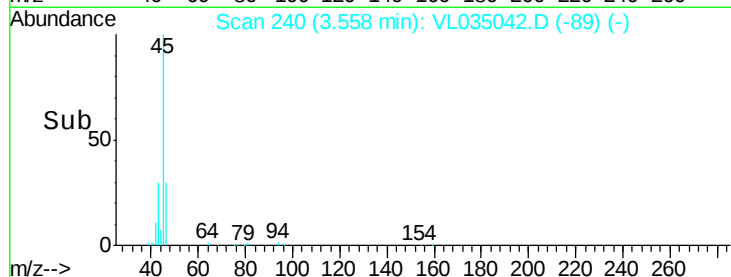
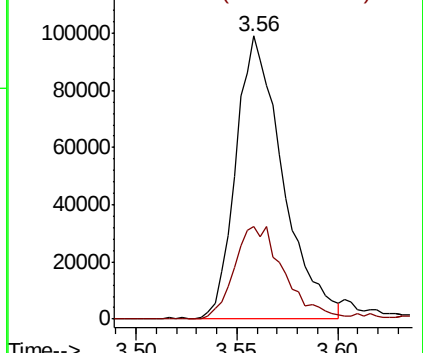
45 100

46 36.9 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.509 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.01 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

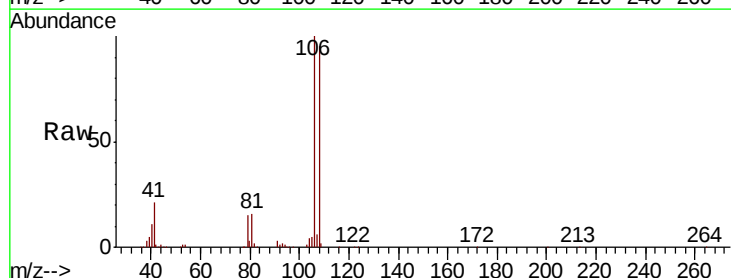
Tgt Ion: 108 Resp: 477120

Ion Ratio Lower Upper

108 100

106 109.4 84.9 127.3

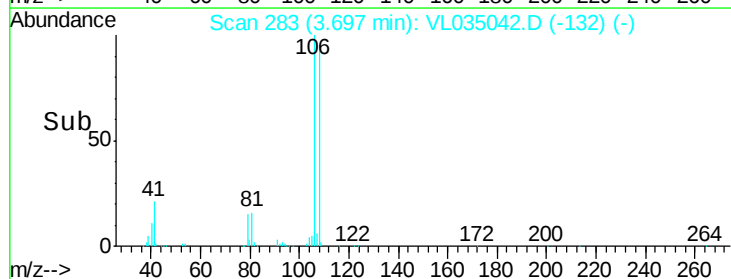
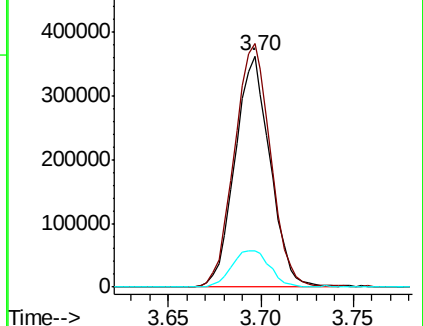
79 17.5 14.1 21.1

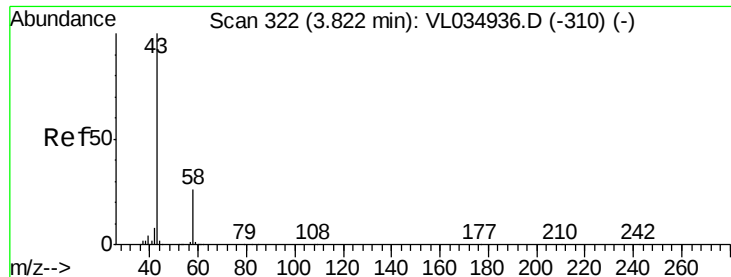


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.078 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

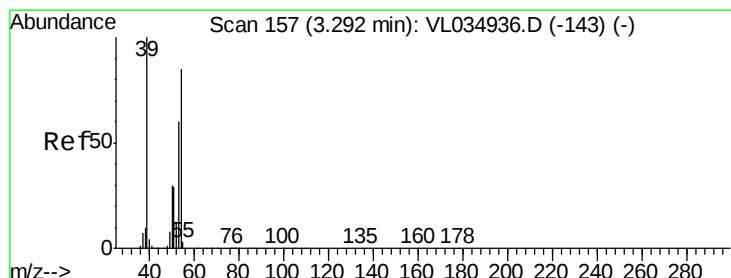
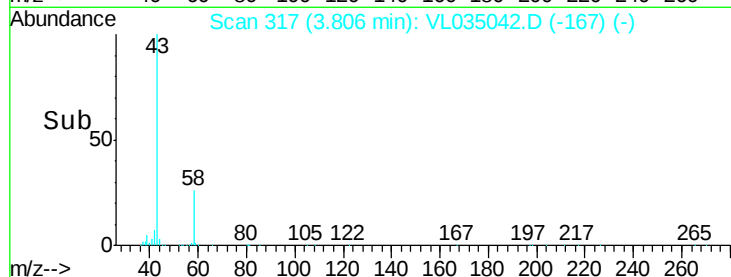
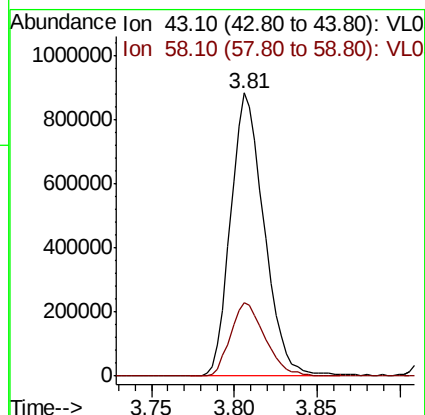
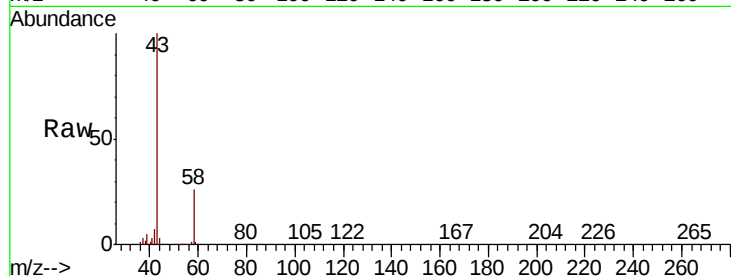
ClientSampleId :

Tot Ion: 43 Resp: 1244361

Ion Ratio Lower Upper

43 100

58 26.9 21.7 32.5



#16

1,3-Butadiene

Concen: 9.326 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL035042.D

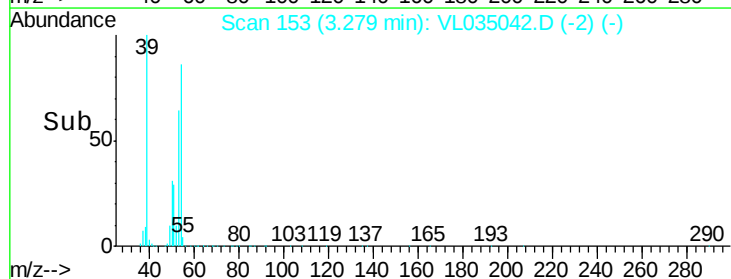
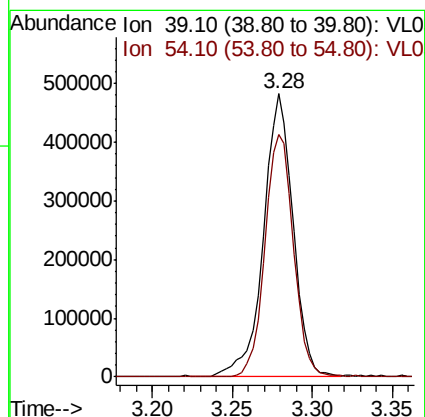
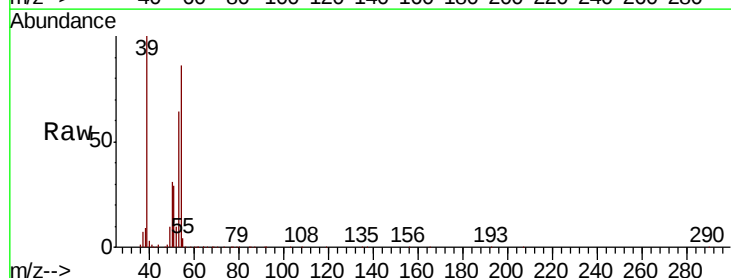
Acq: 19 May 2020 12:09

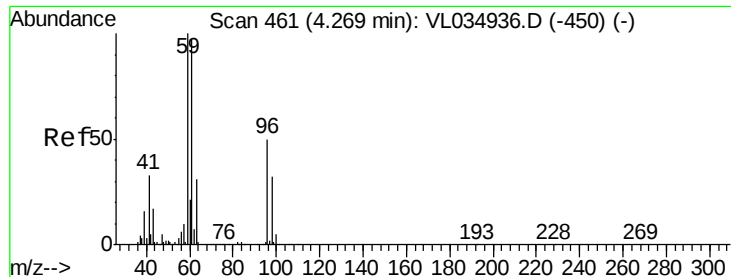
Tgt Ion: 39 Resp: 618220

Ion Ratio Lower Upper

39 100

54 83.3 66.6 100.0



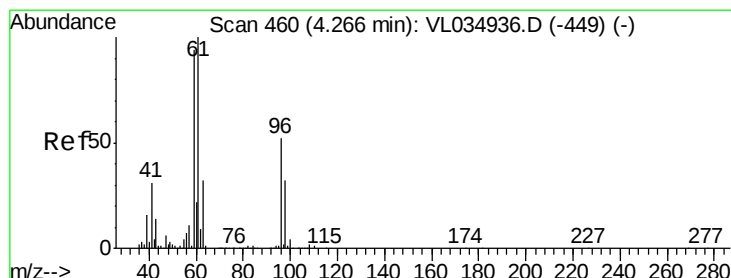
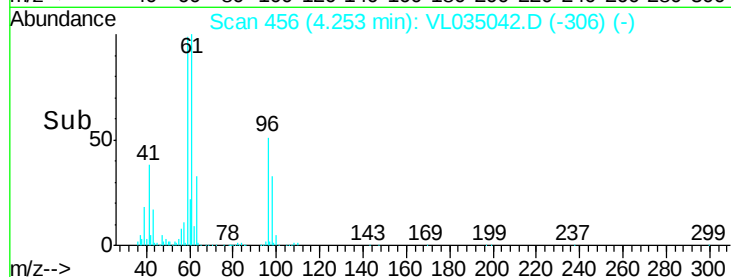
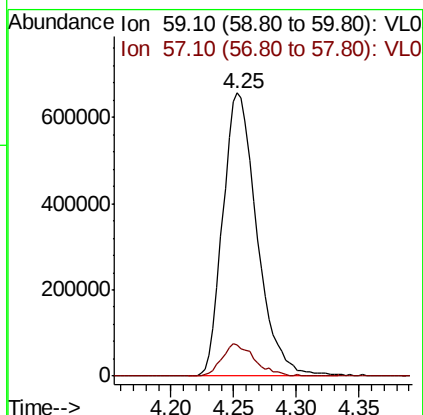
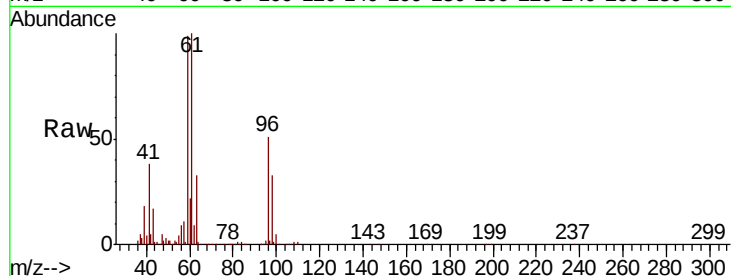


#17

tert-Butyl alcohol
Concen: 9.046 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :

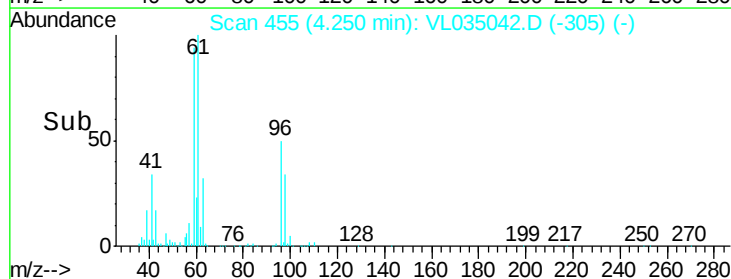
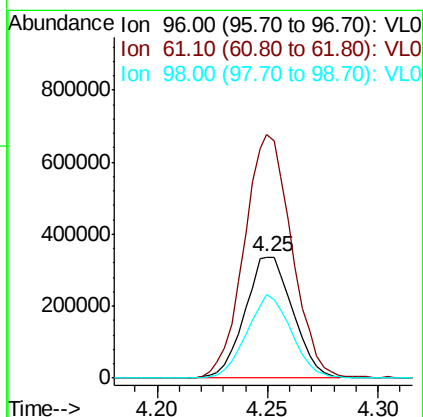
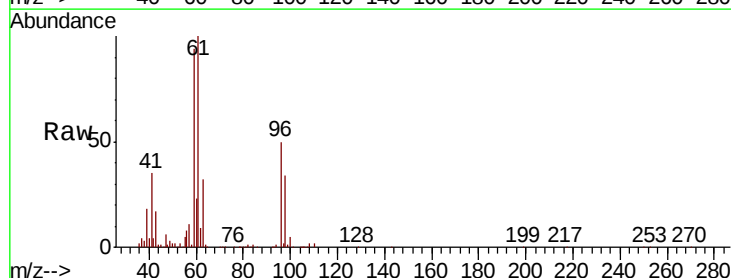
Tot Ion: 59 Resp: 1239745
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

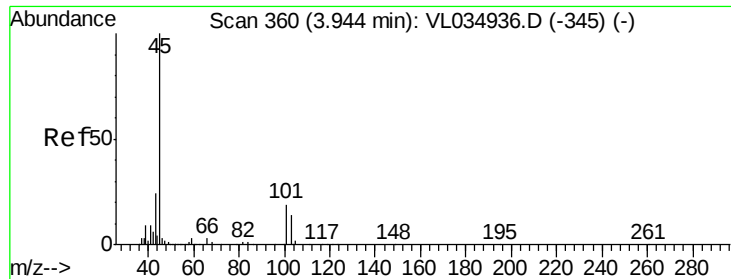


#18

1,1-Dichloroethene
Concen: 9.633 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion: 96 Resp: 507432
Ion Ratio Lower Upper
96 100
61 200.6 152.4 228.6
98 69.2 48.8 73.2





#19

Isopropyl Alcohol

Concen: 9.264 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

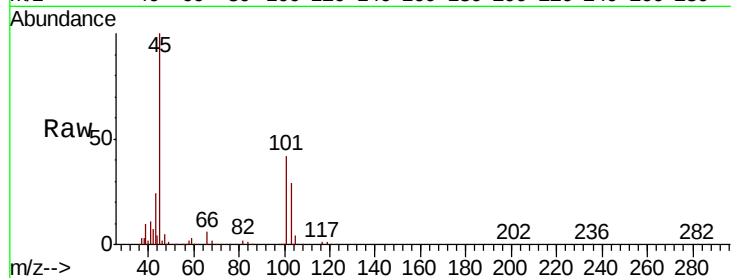
ClientSampleId :

Tot Ion: 45 Resp: 951647

Ion Ratio Lower Upper

45 100

58 2.5 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

600000

500000

400000

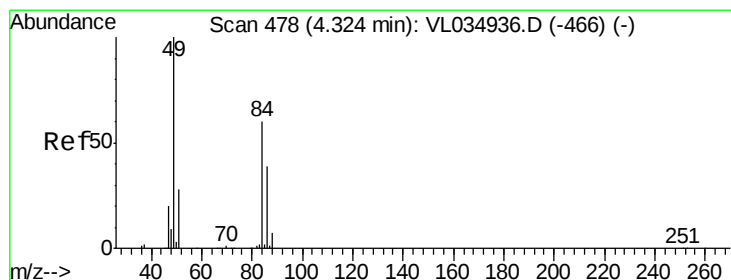
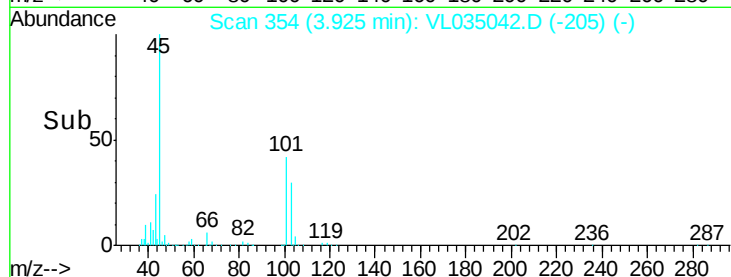
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.622 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Tgt Ion: 84 Resp: 439669

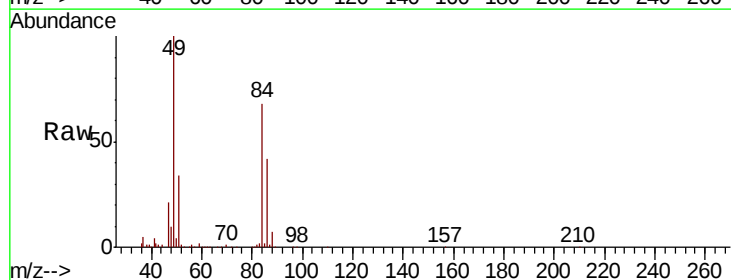
Ion Ratio Lower Upper

84 100

49 146.9 132.5 198.7

51 49.1 38.4 57.6

86 61.9 51.2 76.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

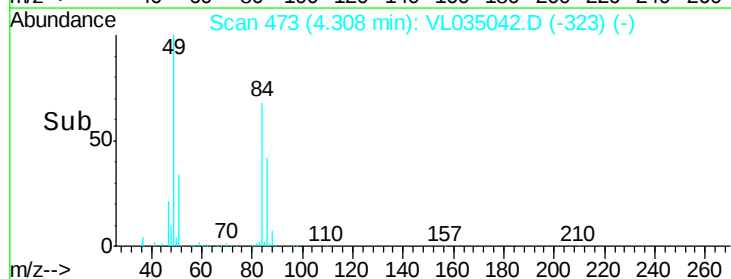
600000

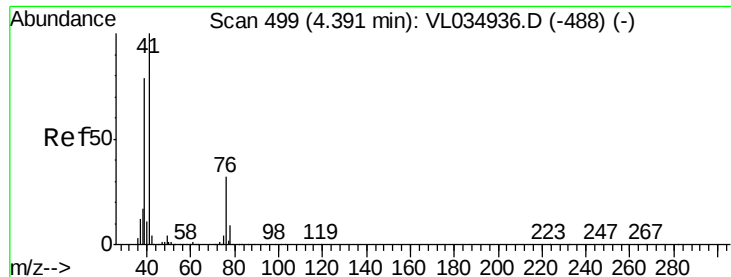
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 9.800 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

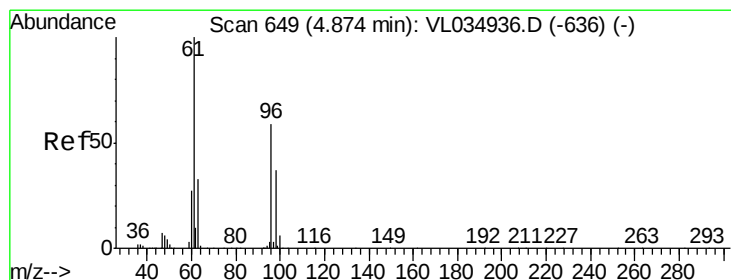
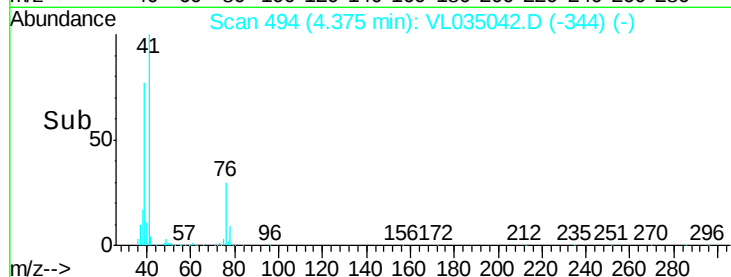
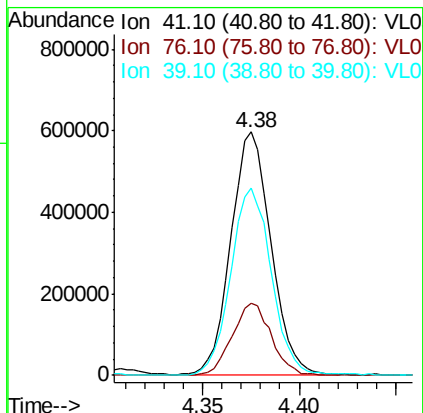
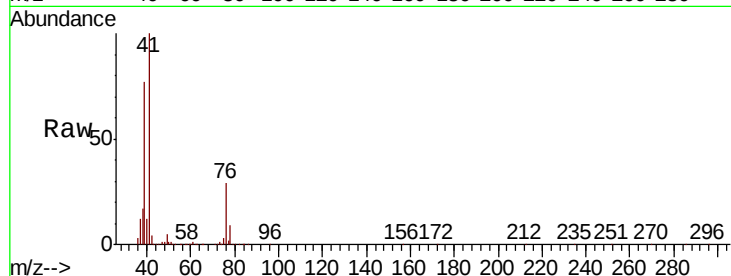
Tot Ion: 41 Resp: 852697

Ion Ratio Lower Upper

41 100

76 29.2 23.6 35.4

39 78.7 61.9 92.9



#22

trans-1,2-Dichloroethene

Concen: 9.455 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

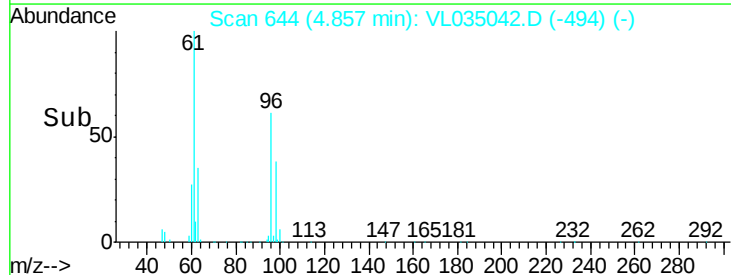
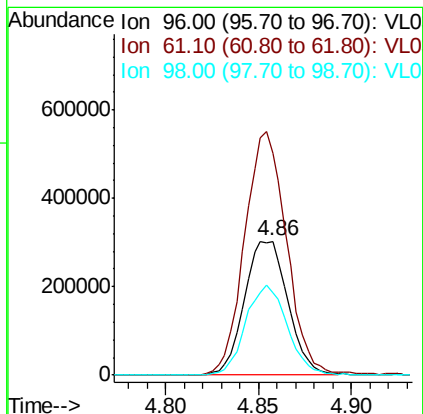
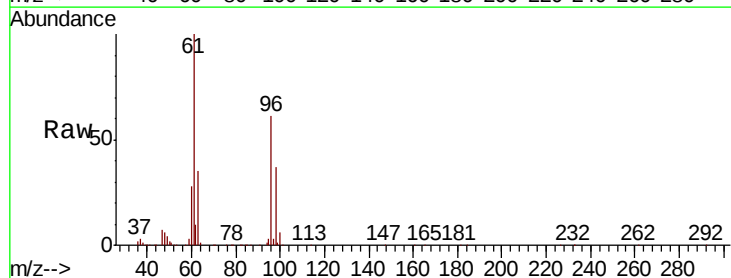
Tgt Ion: 96 Resp: 493323

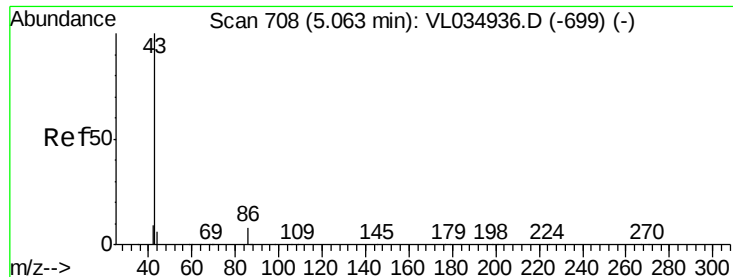
Ion Ratio Lower Upper

96 100

61 165.3 135.3 202.9

98 61.7 50.4 75.6





#23

Vinyl Acetate

Concen: 9.564 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.02 min

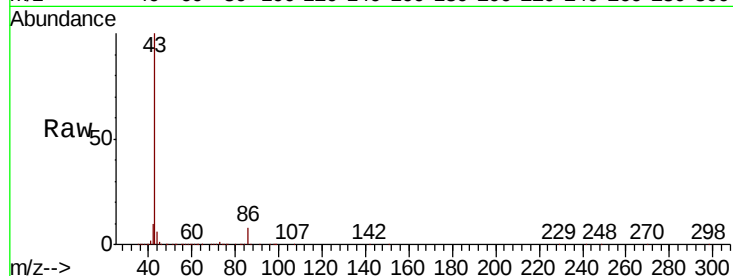
Lab File: VL035042.D

Acq: 19 May 2020 12:09

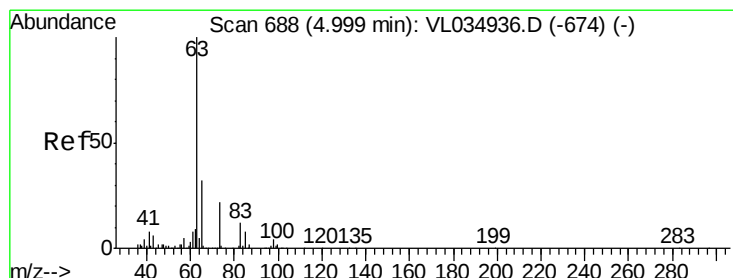
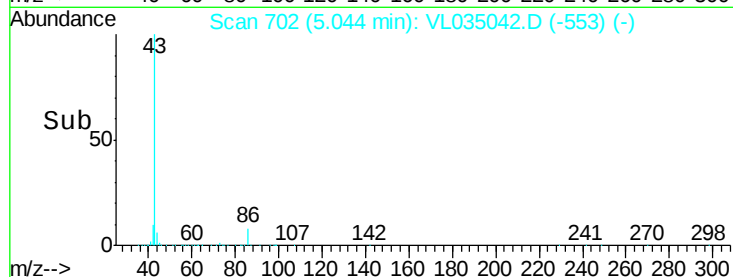
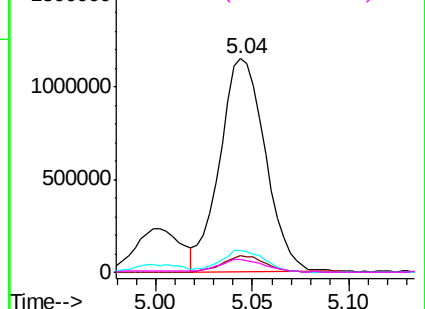
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1868187

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.5	8.3
42	10.0	8.0	12.0
44	5.9	4.5	6.7



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: 9.186 ppbv

RT: 4.98 min Scan# 683

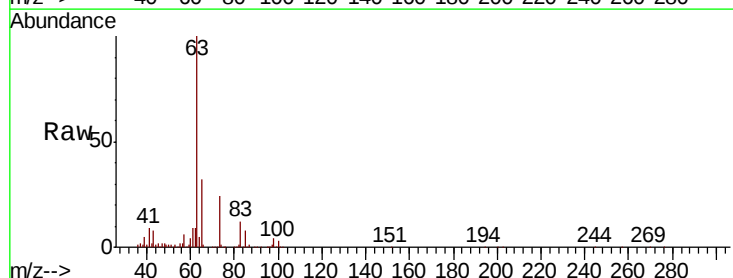
Delta R.T. -0.02 min

Lab File: VL035042.D

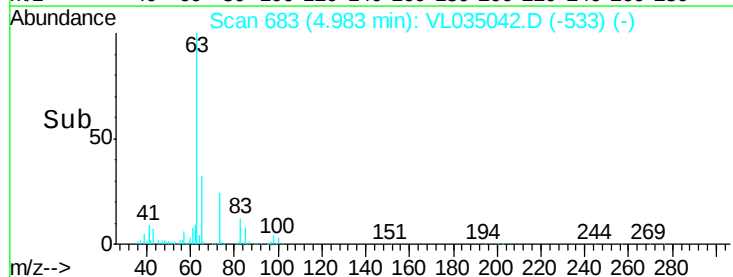
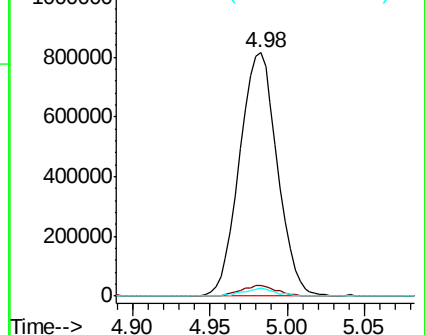
Acq: 19 May 2020 12:09

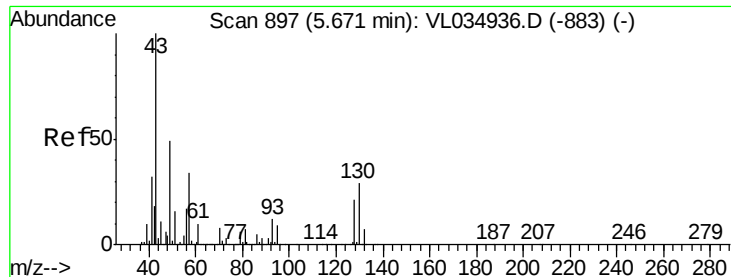
Tgt Ion: 63 Resp: 1382055

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	3.1	1.1	3.5



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



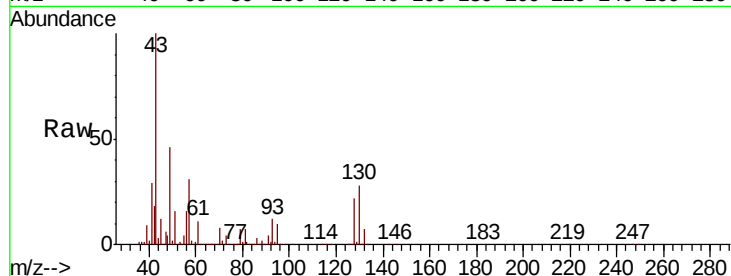


#25
Ethyl Acetate
Concen: 9.318 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2410892

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.1	12.1
61	9.7	7.8	11.8
70	7.5	6.0	9.0



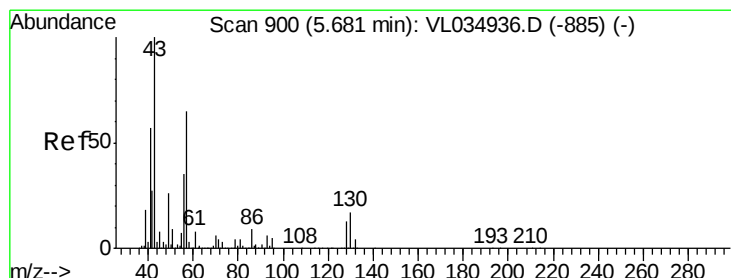
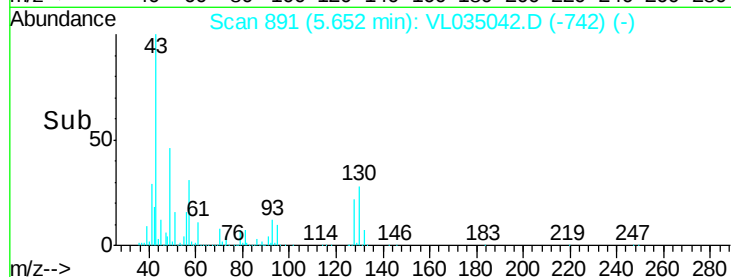
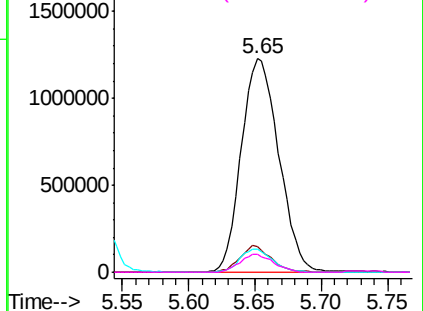
Abundance

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

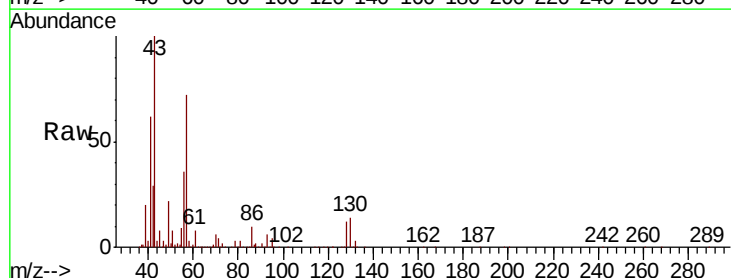
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.518 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion: 57 Resp: 1067636

Ion	Ratio	Lower	Upper
57	100		
41	92.0	72.7	109.1
43	227.7	182.1	273.1
56	52.7	42.2	63.2



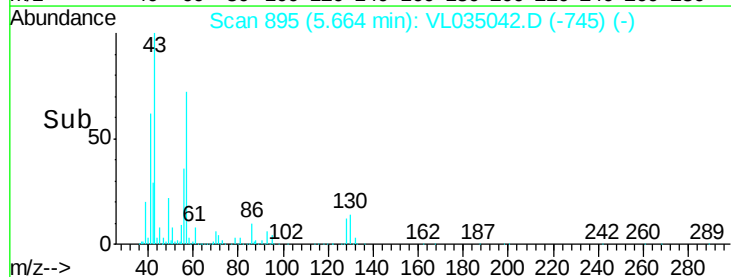
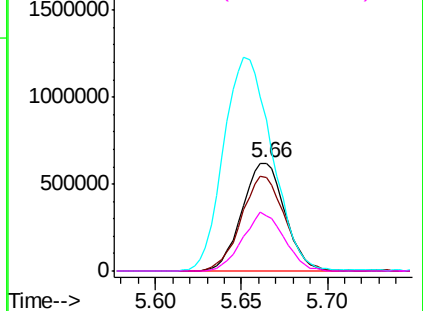
Abundance

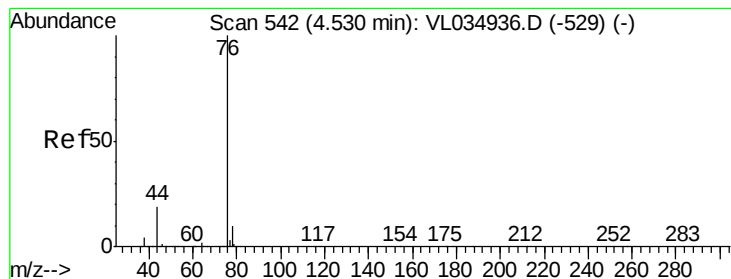
Ion 57.10 (56.80 to 57.80): VL0

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: 9.560 ppbv

RT: 4.51 min Scan# 537

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampled :

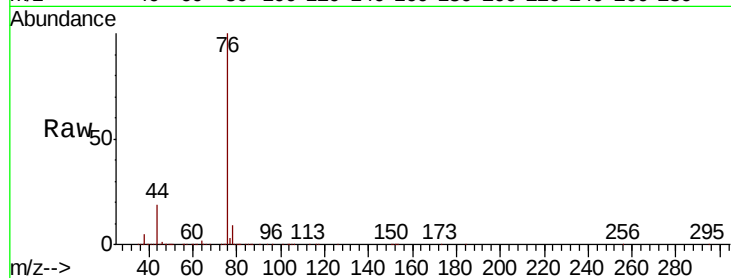
Tot Ion: 76 Resp: 1263913

Ion Ratio Lower Upper

76 100

44 19.5 15.2 22.8

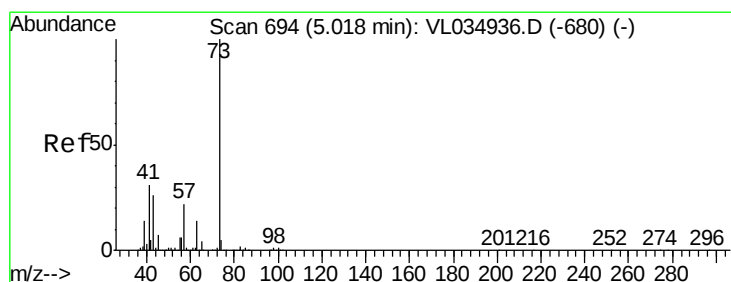
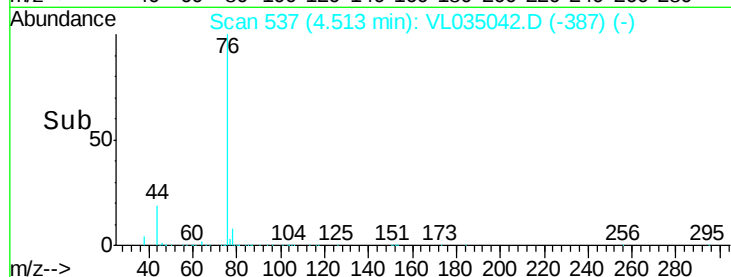
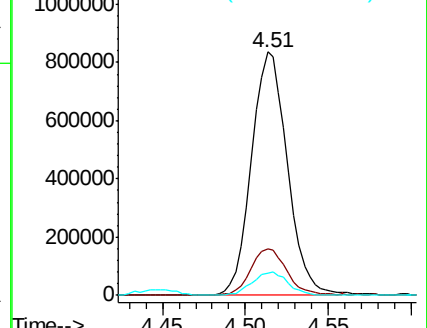
78 9.6 7.7 11.5



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: 9.252 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL035042.D

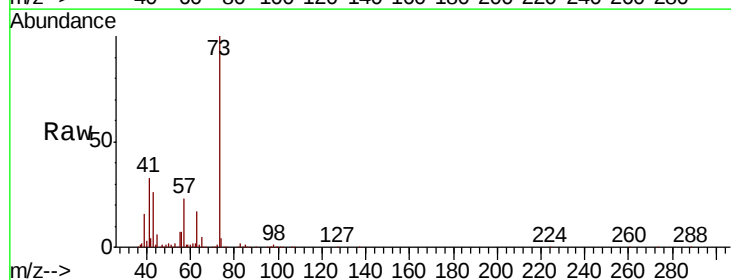
Acq: 19 May 2020 12:09

Tgt Ion: 73 Resp: 1580572

Ion Ratio Lower Upper

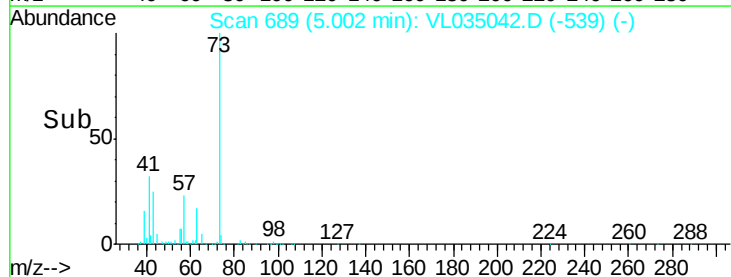
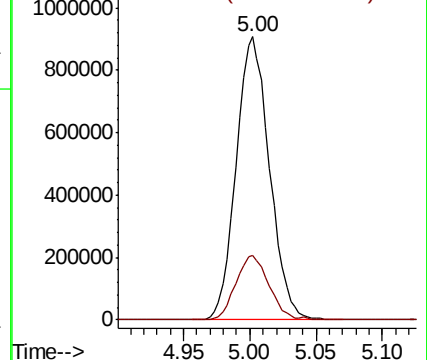
73 100

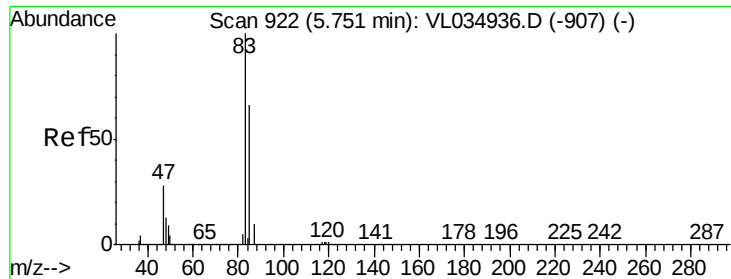
57 22.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.989 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

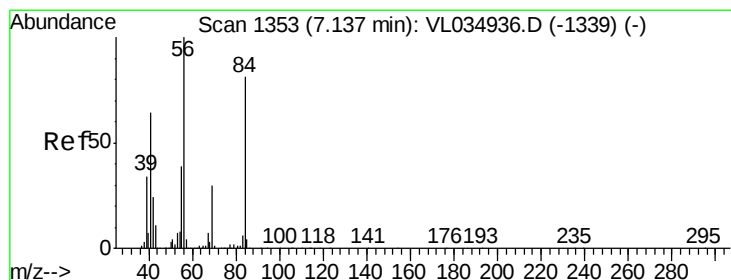
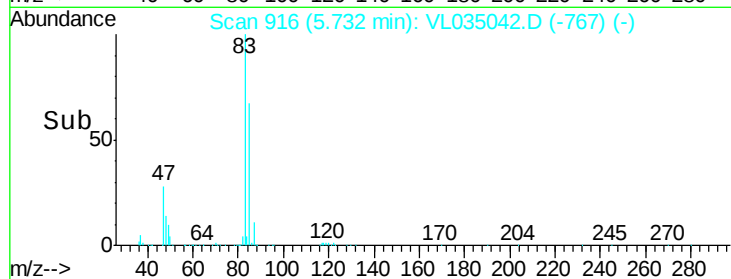
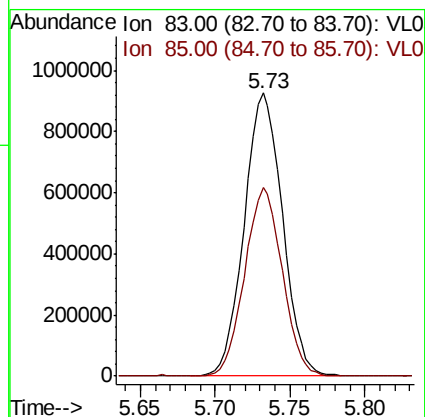
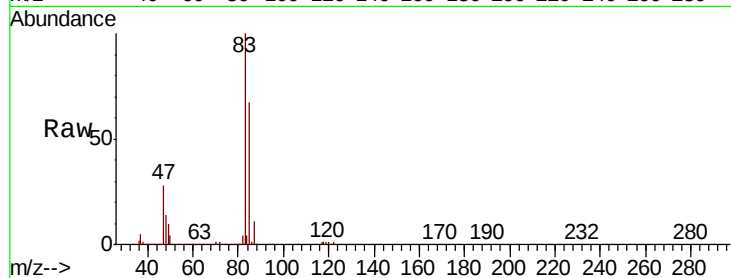
ClientSampleId :

Tot Ion: 83 Resp: 1649793

Ion Ratio Lower Upper

83 100

85 66.8 53.0 79.6



#30

Cyclohexane

Concen: 10.218 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

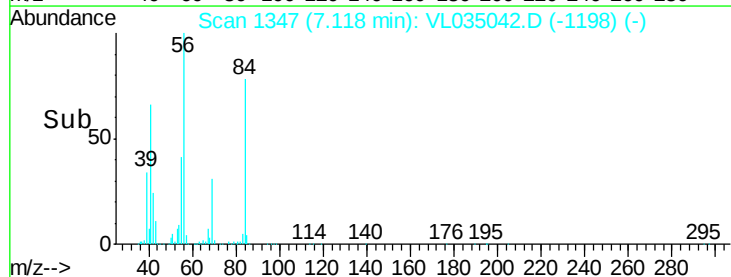
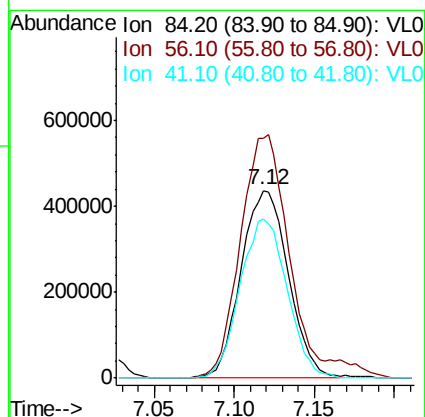
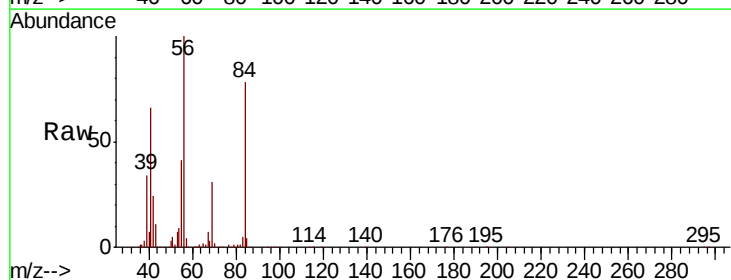
Tgt Ion: 84 Resp: 884500

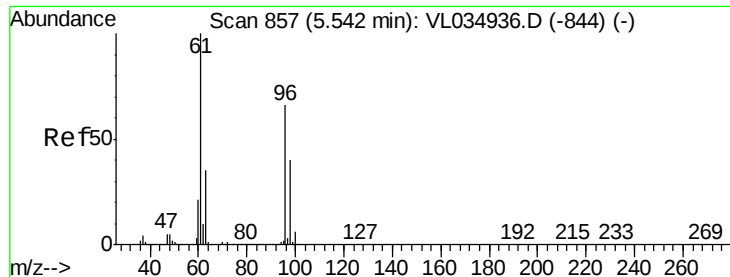
Ion Ratio Lower Upper

84 100

56 137.3 111.4 167.2

41 84.1 66.7 100.1



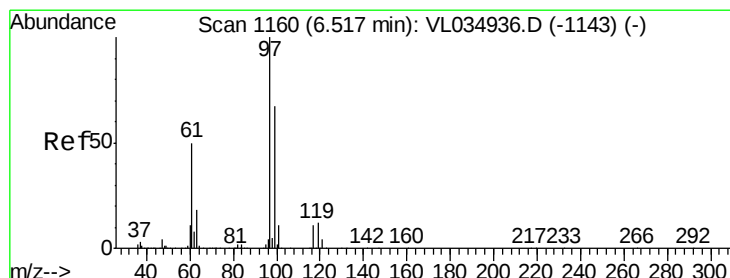
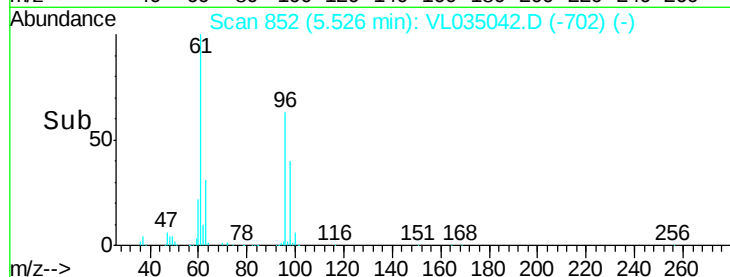
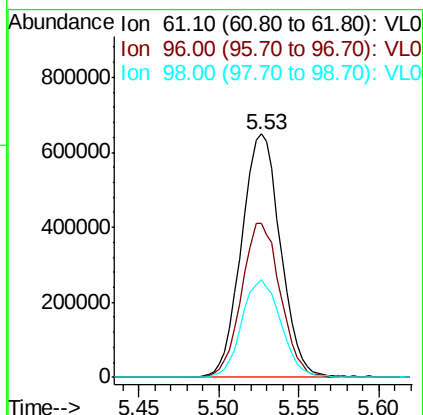
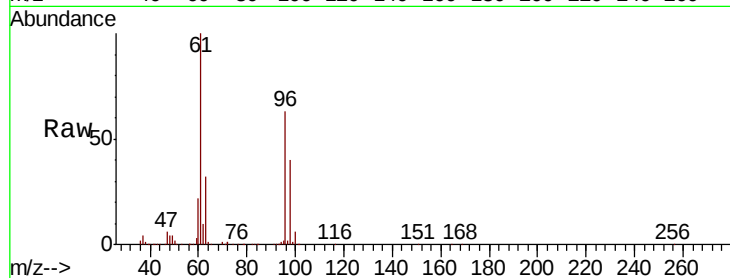


#31

cis-1,2-Dichloroethene
 Concen: 9.848 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :

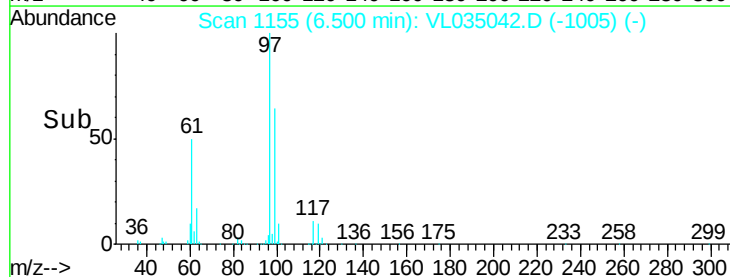
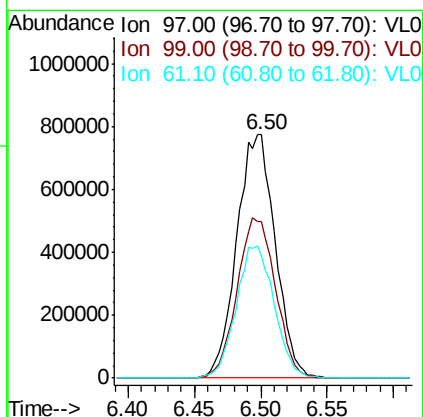
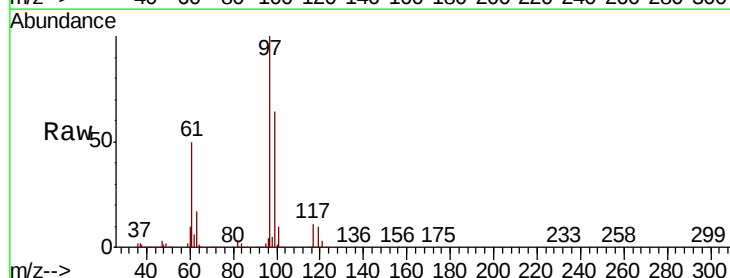
Tot Ion: 61 Resp: 1077870
 Ion Ratio Lower Upper
 61 100
 96 62.9 53.0 79.6
 98 40.3 32.2 48.2

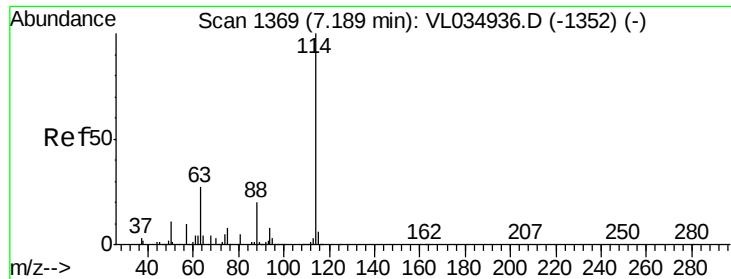


#32

1,1,1-Trichloroethane
 Concen: 9.410 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion: 97 Resp: 1559728
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.1 78.1
 61 53.7 41.8 62.8

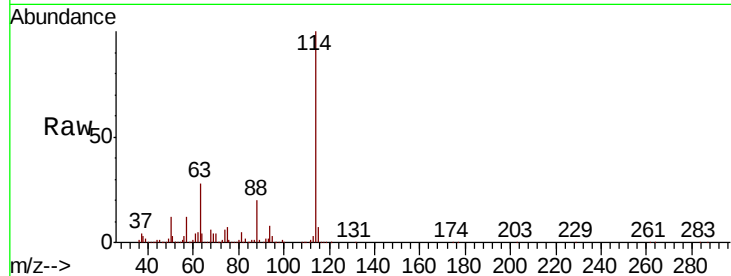




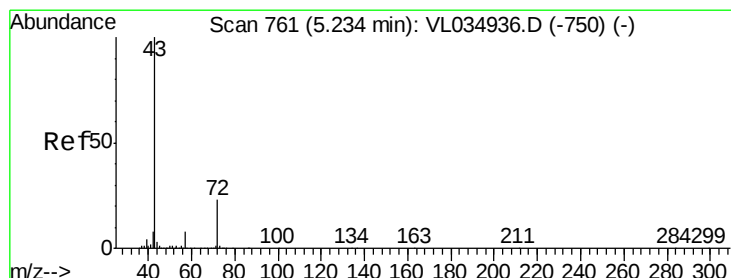
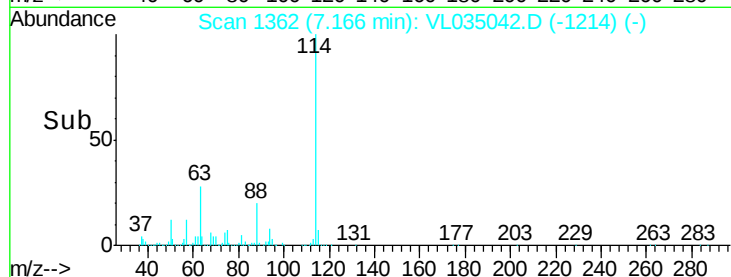
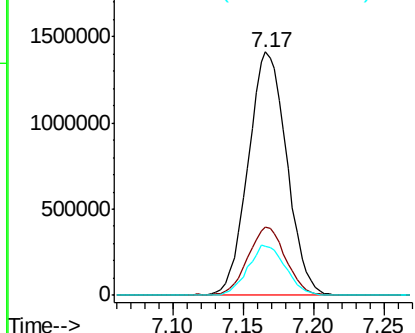
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2700809
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.2 33.4
 88 20.1 15.5 23.3

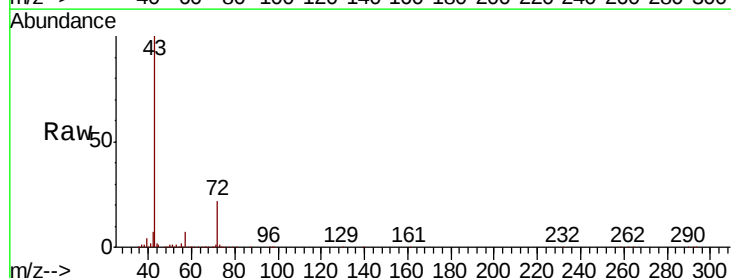


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

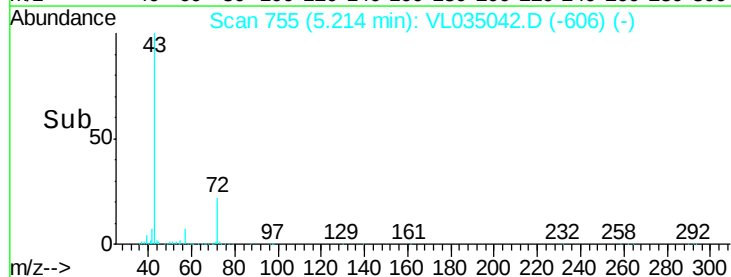
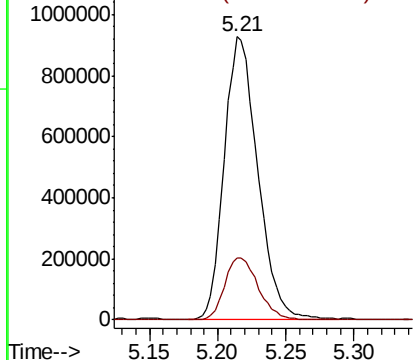


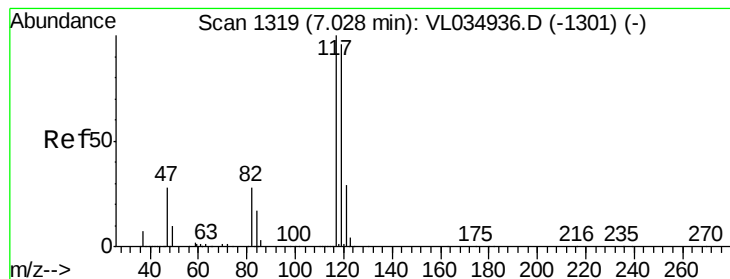
#34
 2-Butanone
 Concen: 9.380 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion: 43 Resp: 1574614
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.0 27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.458 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampled :

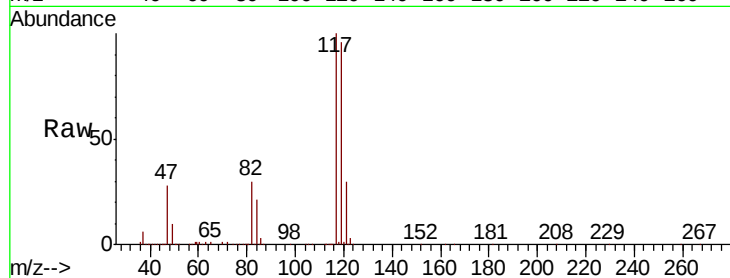
Tot Ion:117 Resp: 1612242

Ion Ratio Lower Upper

117 100

119 96.1 77.0 115.6

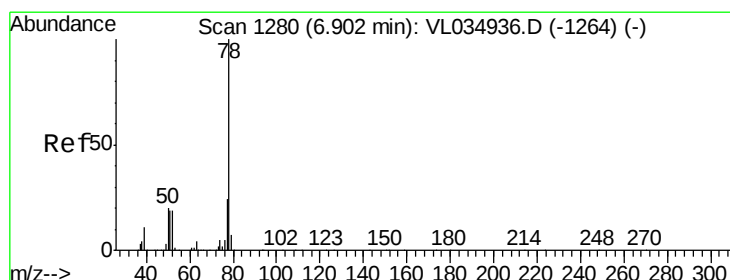
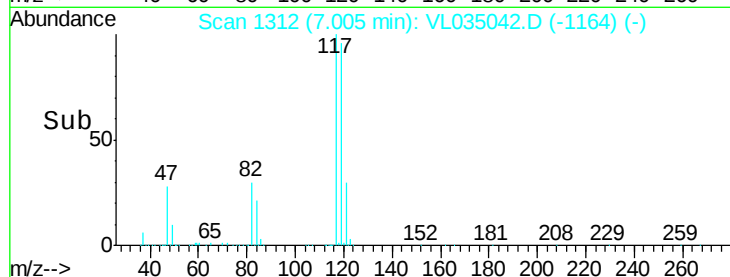
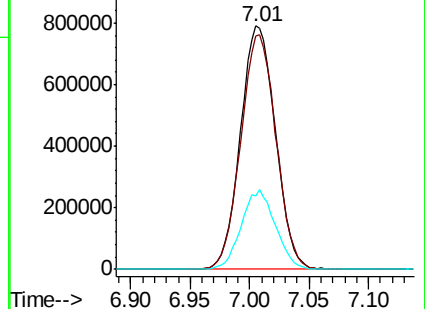
121 30.2 23.0 34.6



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: 9.580 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

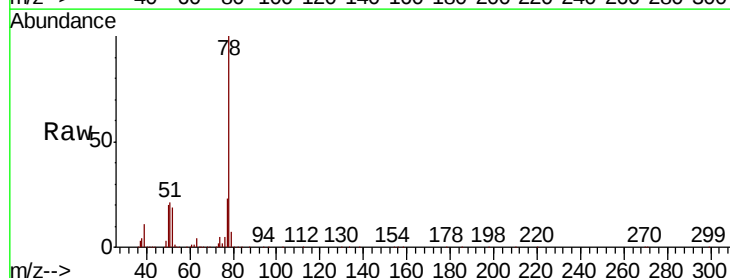
Tgt Ion: 78 Resp: 2133081

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

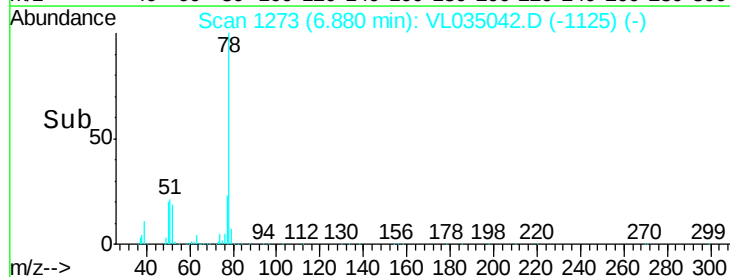
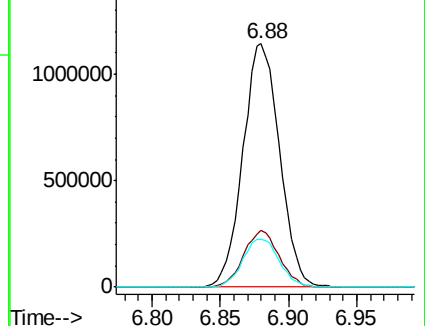
50 19.9 15.8 23.8

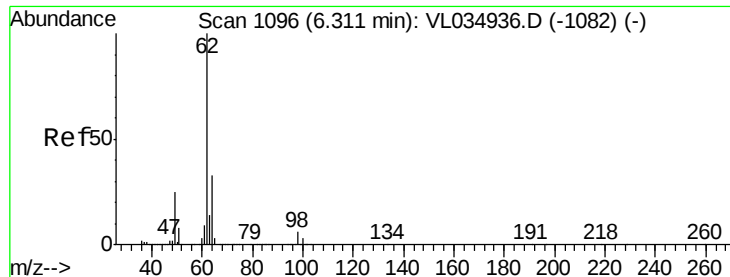


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

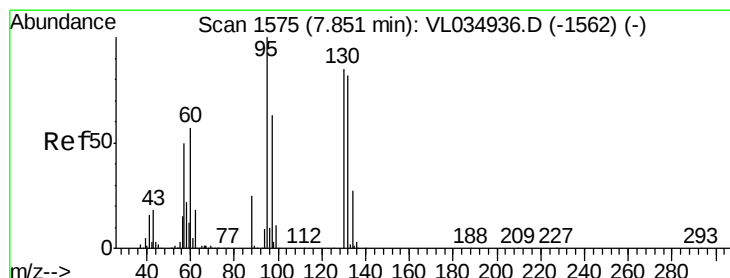
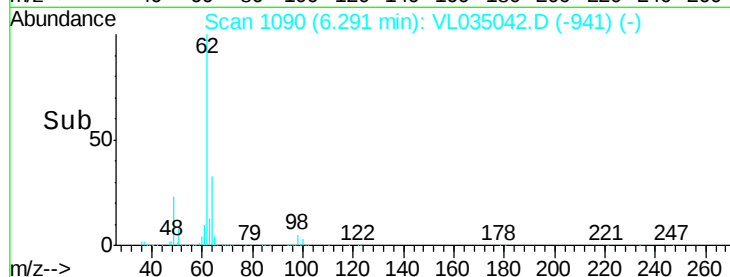
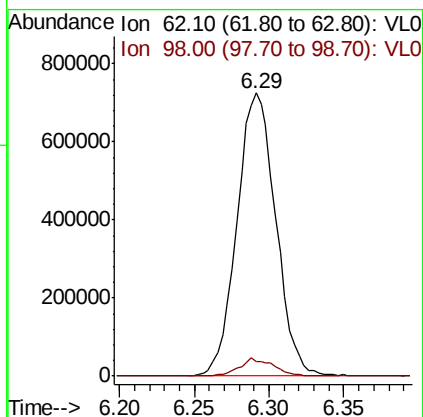
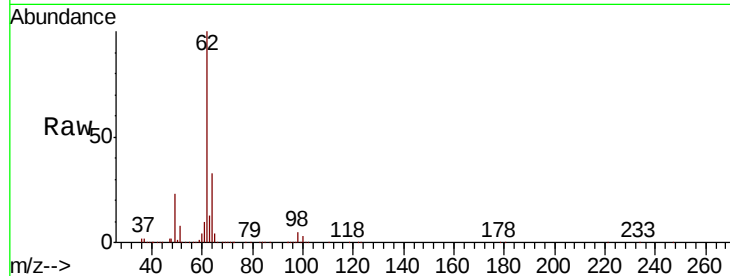




#37
 1,2-Dichloroethane
 Concen: 9.515 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

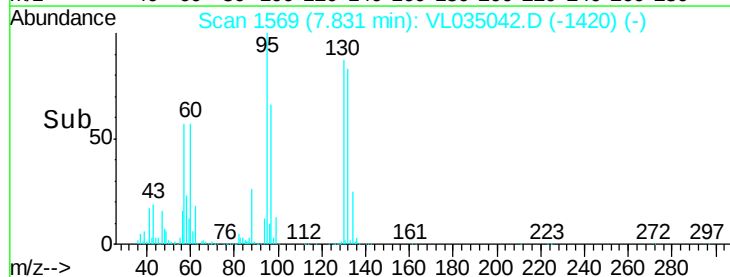
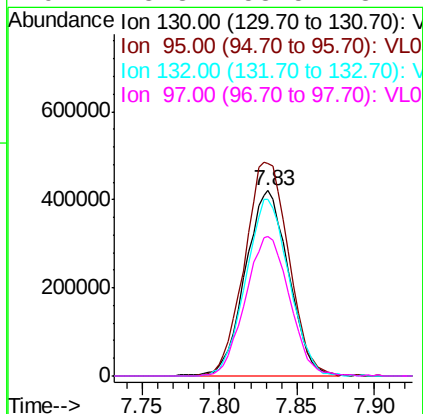
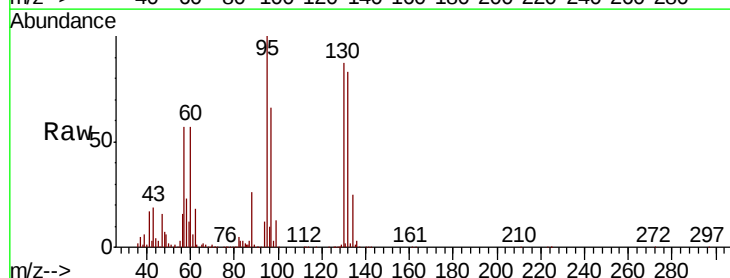
Instrument :
 MSVOA_L
 ClientSampleId :

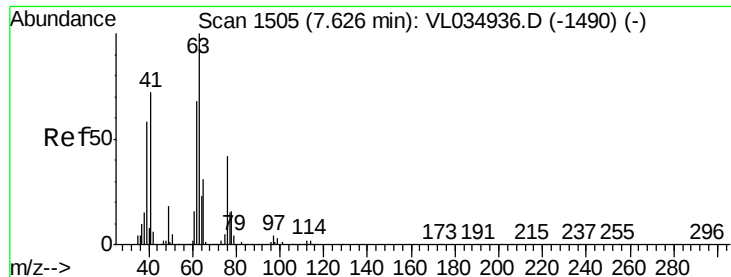
Tot Ion: 62 Resp: 1306991
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.8 7.2



#38
 Trichloroethene
 Concen: 9.479 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion:130 Resp: 817672
 Ion Ratio Lower Upper
 130 100
 95 114.7 93.4 140.0
 132 95.4 76.4 114.6
 97 75.3 58.5 87.7

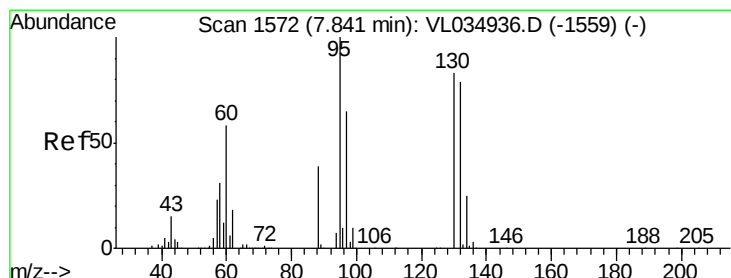
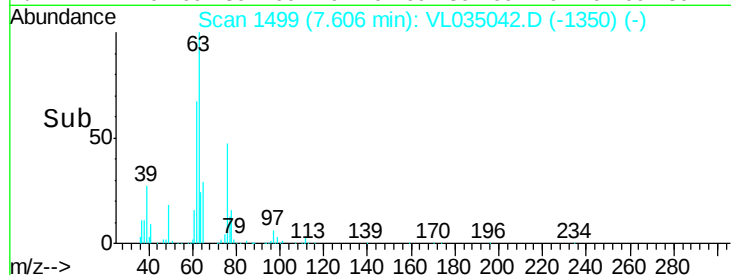
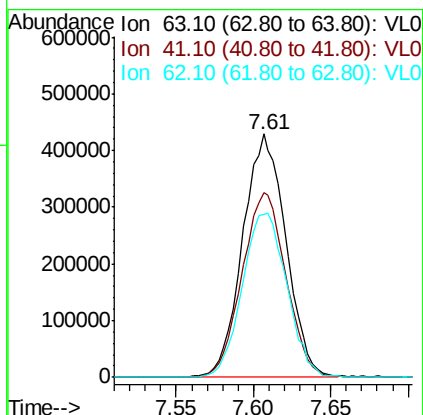
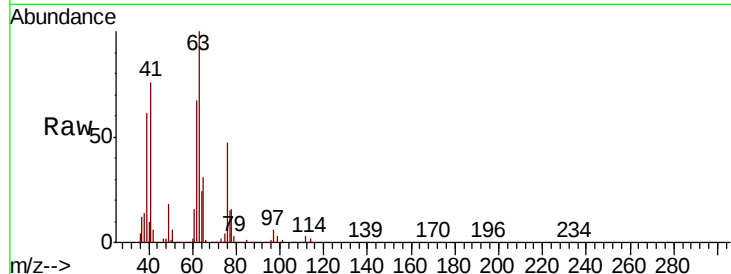




#39
 1,2-Dichloropropane
 Concen: 9.309 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

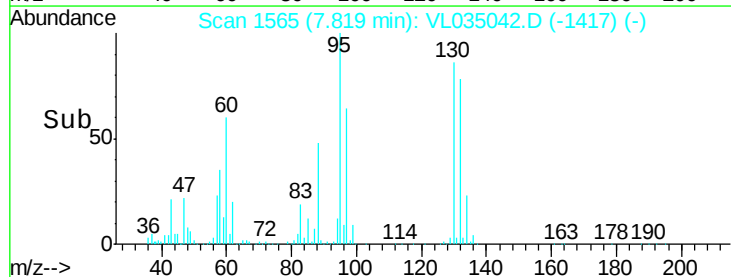
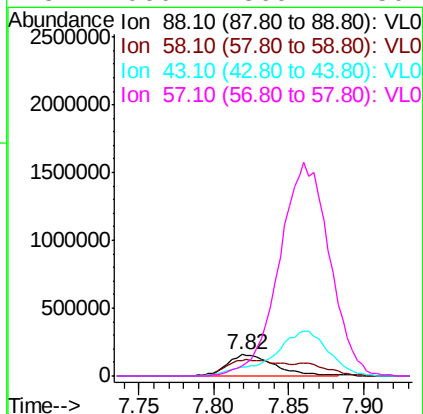
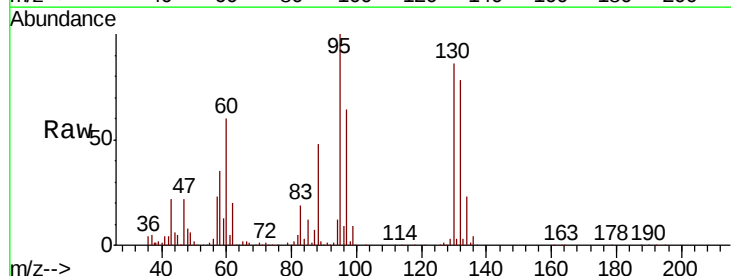
Instrument :
 MSVOA_L
 ClientSampled :

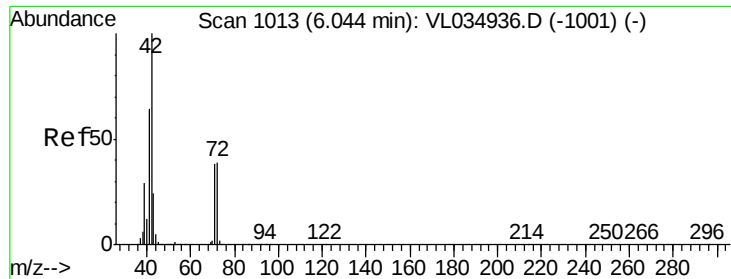
Tot Ion	Ratio	Lower	Upper
63	100		
41	75.8	57.8	86.8
62	67.2	54.2	81.2



#40
 1,4-Dioxane
 Concen: 9.576 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	130.6	105.1	157.7
43	247.8	202.6	303.8
57	1060.2	869.4	1304.0

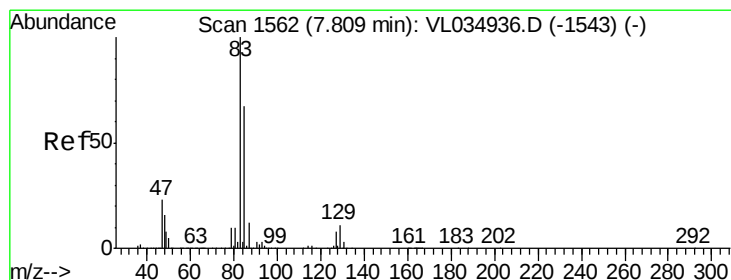
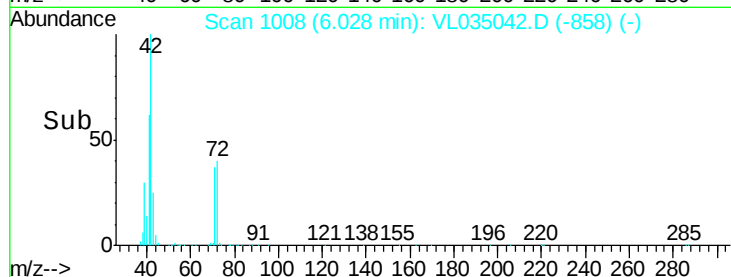
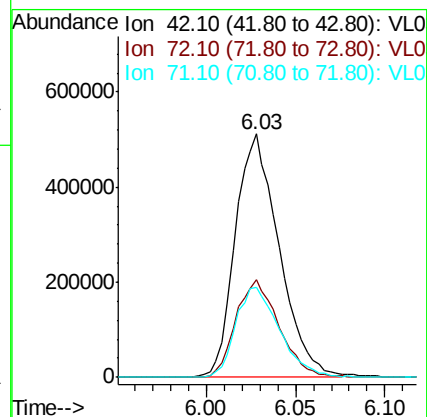
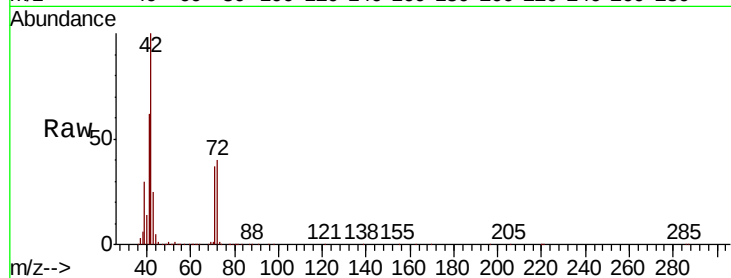




#41
Tetrahydrofuran
Concen: 9.859 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

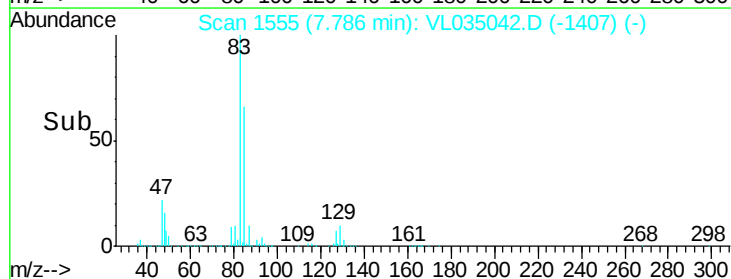
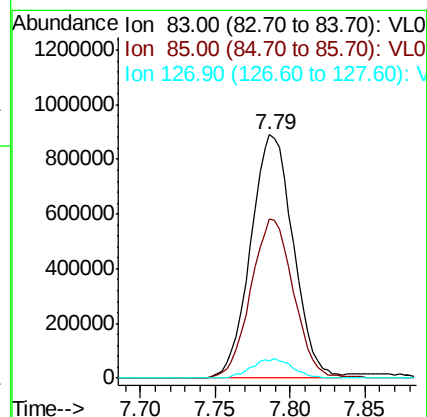
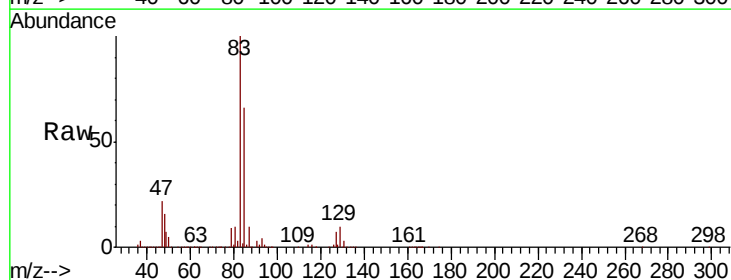
Instrument :
MSVOA_L
ClientSampleId :

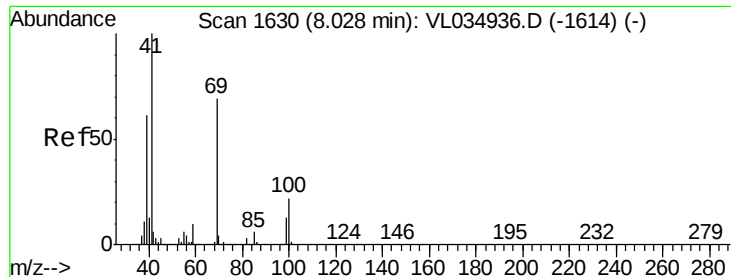
Tot Ion: 42 Resp: 871277
Ion Ratio Lower Upper
42 100
72 39.7 31.4 47.0
71 37.6 29.8 44.8



#42
Bromodichloromethane
Concen: 9.510 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion: 83 Resp: 1761676
Ion Ratio Lower Upper
83 100
85 65.5 53.4 80.0
127 6.9 6.1 9.1





#43

Methyl Methacrylate

Concen: 10.403 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

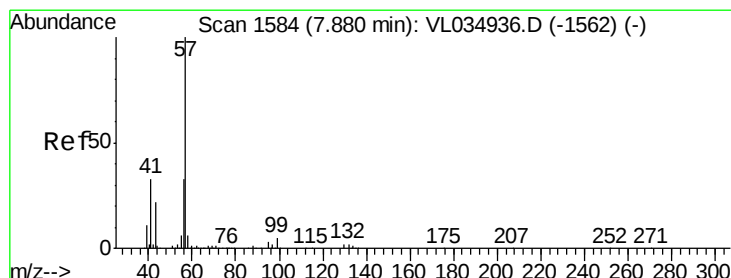
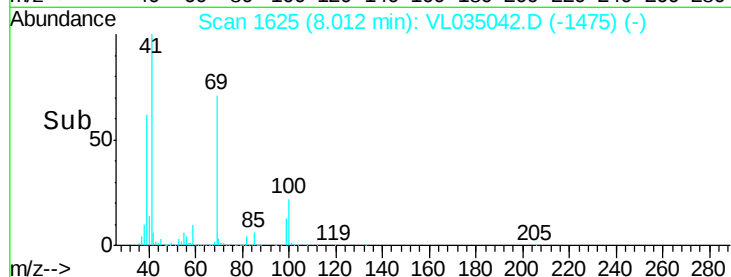
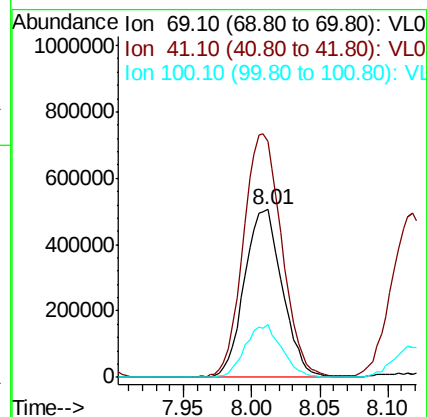
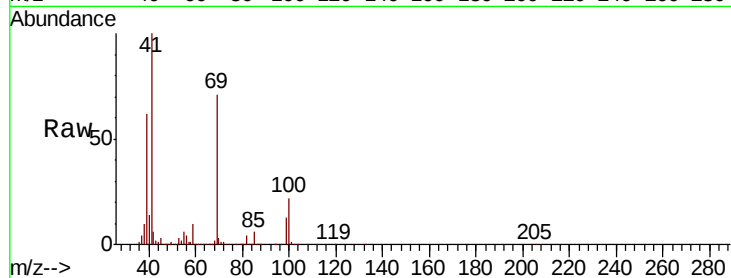
Tot Ion: 69 Resp: 978191

Ion Ratio Lower Upper

69 100

41 147.2 119.8 179.6

100 30.4 25.0 37.6



#44

2,2,4-Trimethylpentane

Concen: 9.290 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

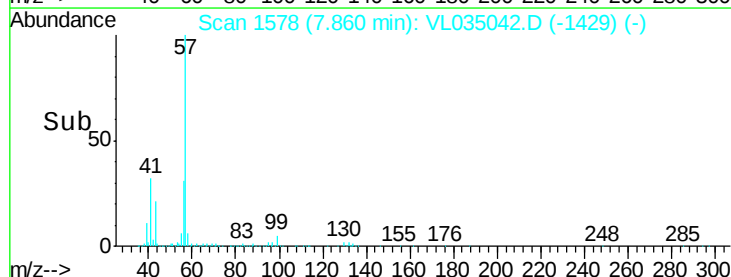
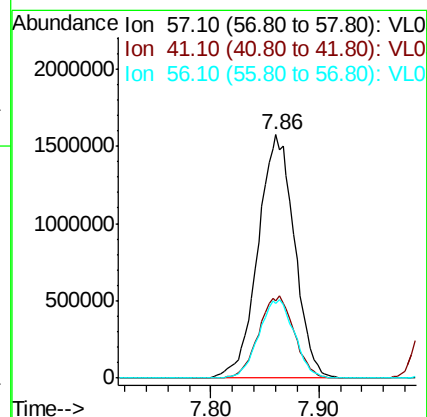
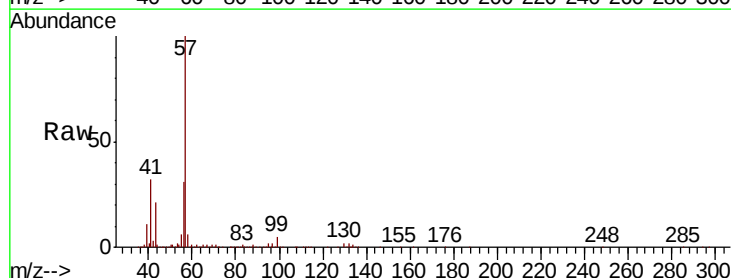
Tgt Ion: 57 Resp: 3677784

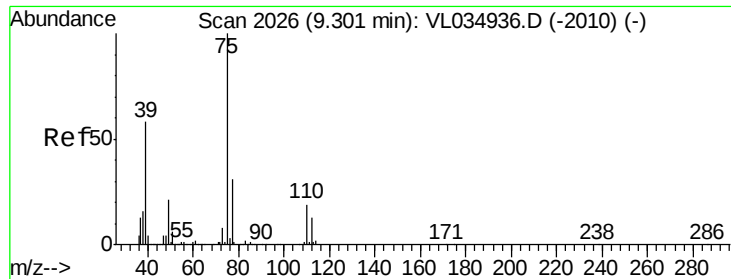
Ion Ratio Lower Upper

57 100

41 33.0 26.4 39.6

56 31.5 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.292 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

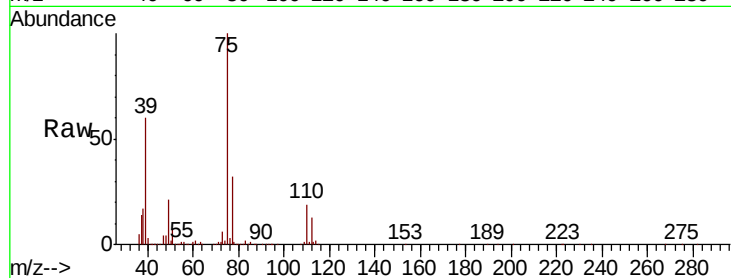
ClientSampleId :

Tot Ion: 75 Resp: 1071490

Ion Ratio Lower Upper

75 100

77 32.2 24.9 37.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

600000

500000

400000

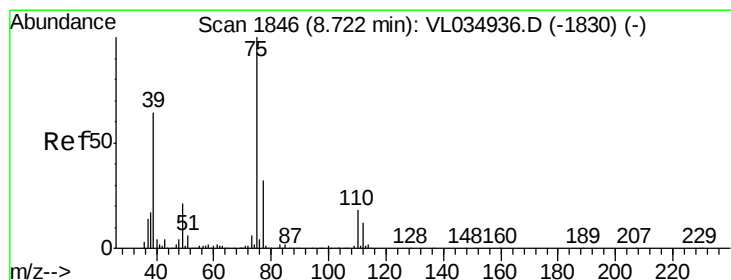
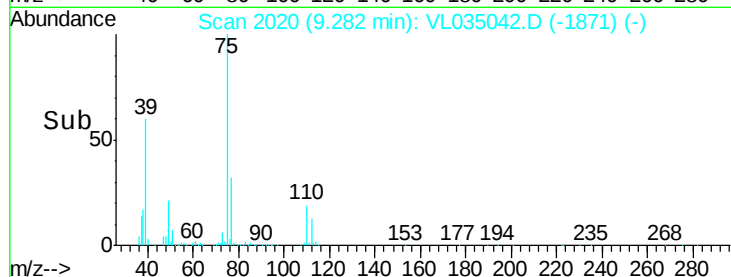
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.907 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

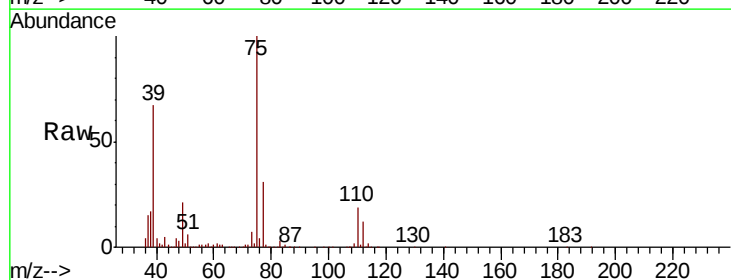
Tgt Ion: 75 Resp: 1270631

Ion Ratio Lower Upper

75 100

39 66.6 51.5 77.3

77 30.7 25.5 38.3



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

8.70

800000

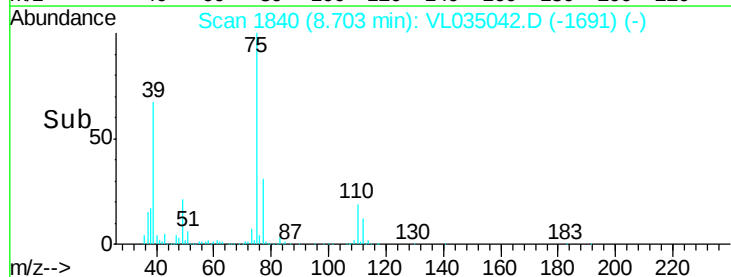
600000

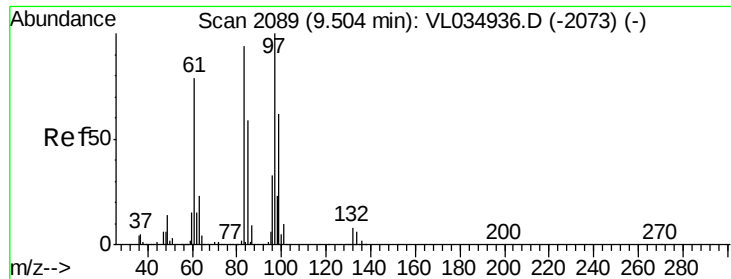
400000

200000

0

Time-->

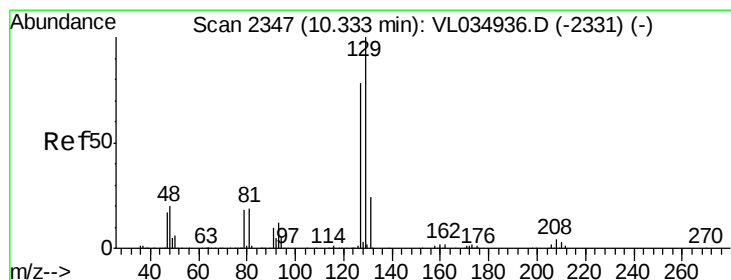
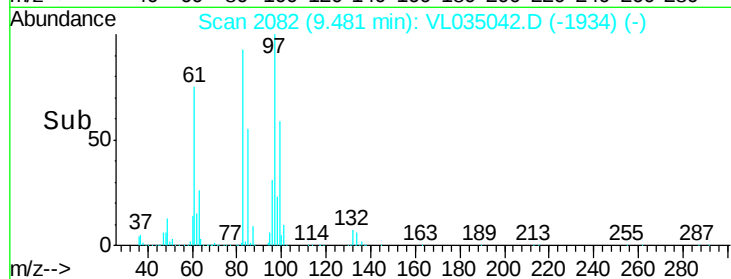
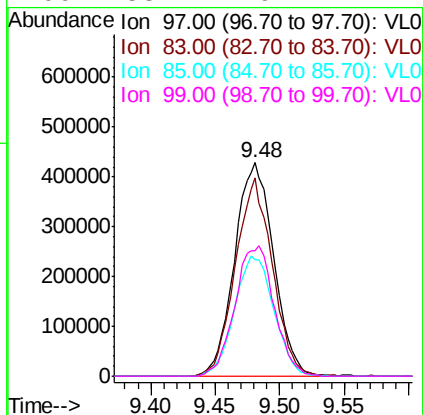
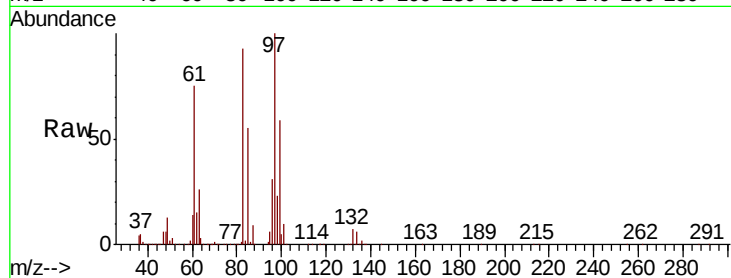




#47
 1,1,2-Trichloroethane
 Concen: 9.592 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

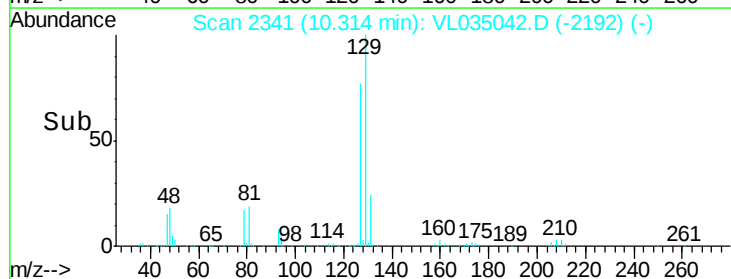
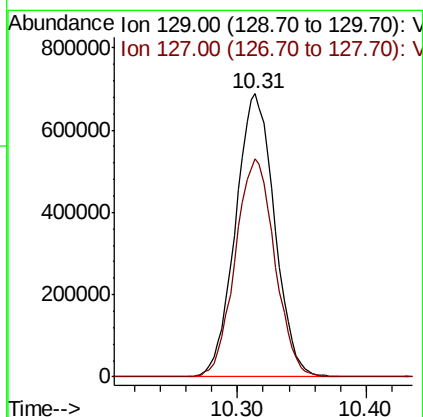
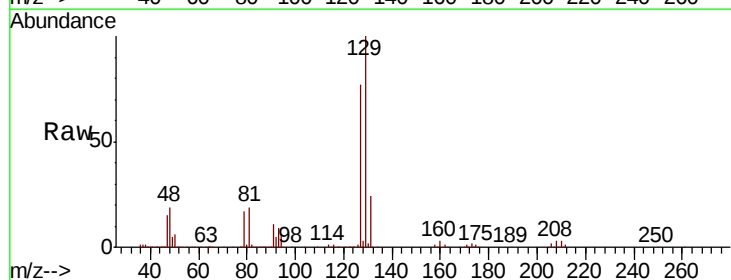
Instrument :
 MSVOA_L
 ClientSampleId :

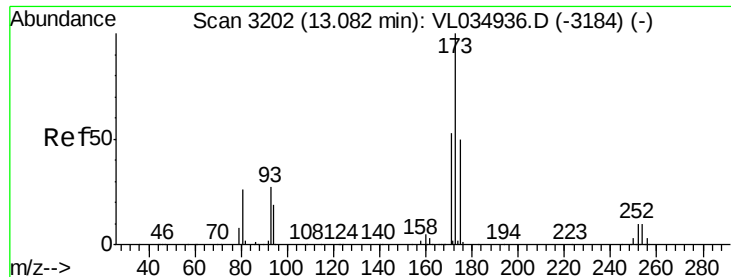
Tot Ion: 97 Resp: 903541
 Ion Ratio Lower Upper
 97 100
 83 92.9 75.6 113.4
 85 54.6 47.0 70.6
 99 58.7 49.4 74.2



#48
 Dibromochloromethane
 Concen: 9.956 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion: 129 Resp: 1442218
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.1 117.2





#49

Bromoform

Concen: 10.063 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

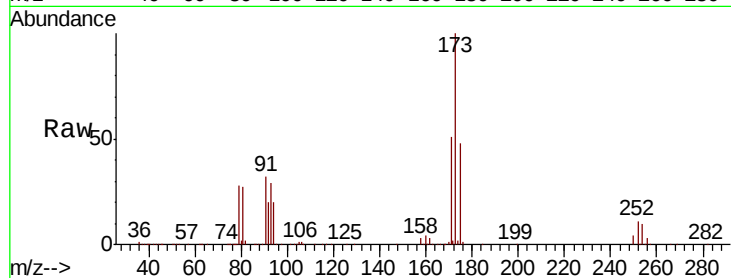
Tot Ion:173 Resp: 1254220

Ion Ratio Lower Upper

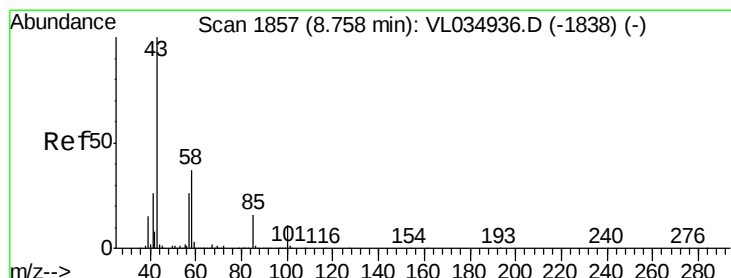
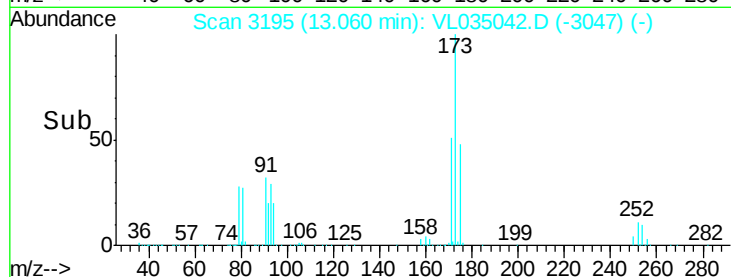
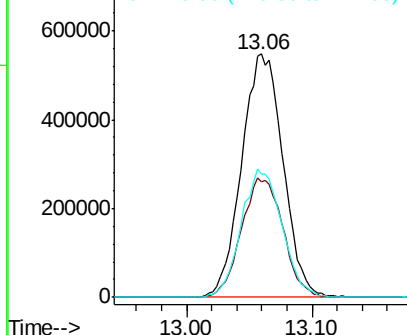
173 100

175 49.3 39.0 58.6

171 52.1 41.4 62.2



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: 9.819 ppbv

RT: 8.73 min Scan# 1850

Delta R.T. -0.02 min

Lab File: VL035042.D

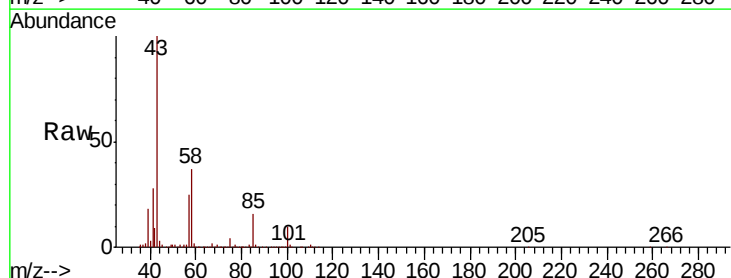
Acq: 19 May 2020 12:09

Tgt Ion: 43 Resp: 2350232

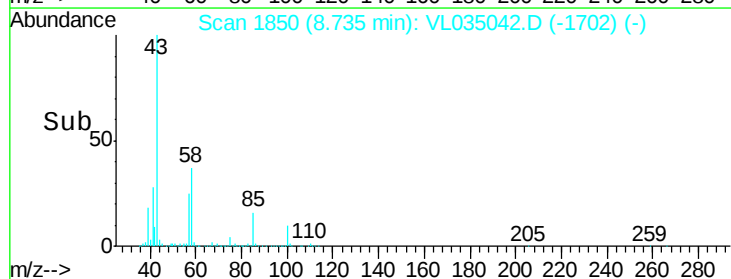
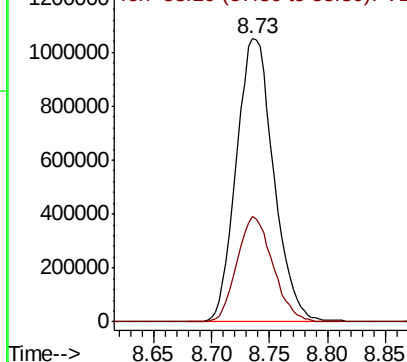
Ion Ratio Lower Upper

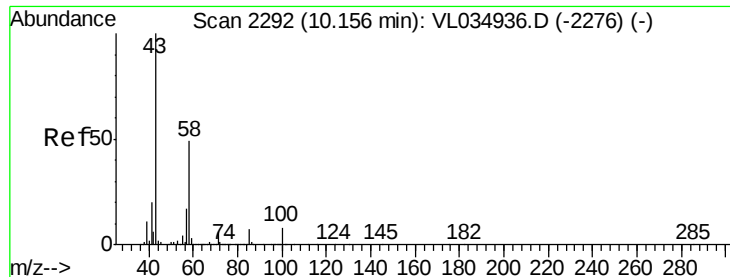
43 100

58 35.9 29.1 43.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.348 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

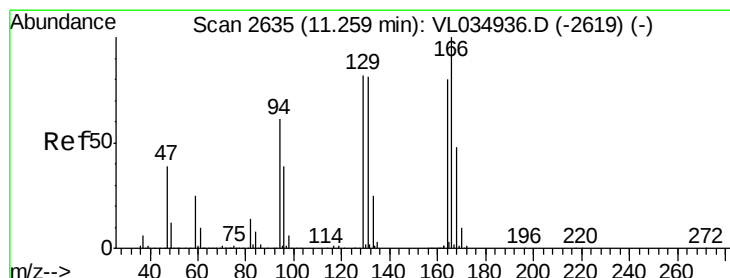
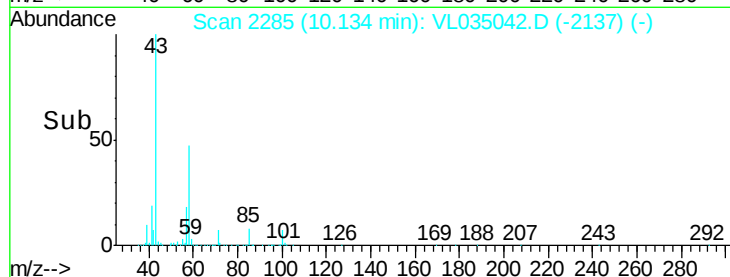
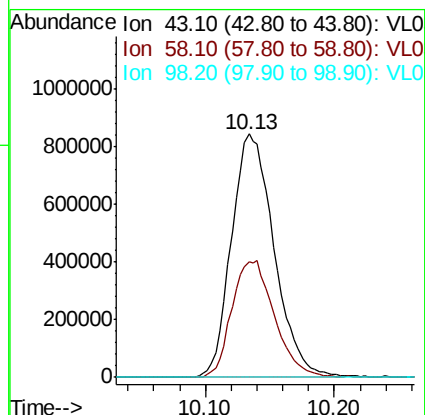
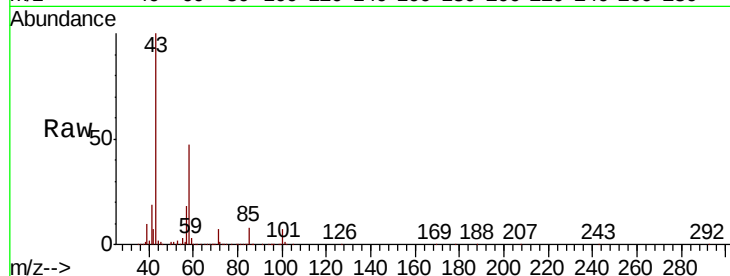
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1937280

Ion	Ratio	Lower	Upper
43	100		
58	48.1	39.1	58.7
98	0.3	0.3	0.5#



#52

Tetrachloroethene

Concen: 9.235 ppbv

RT: 11.23 min Scan# 2627

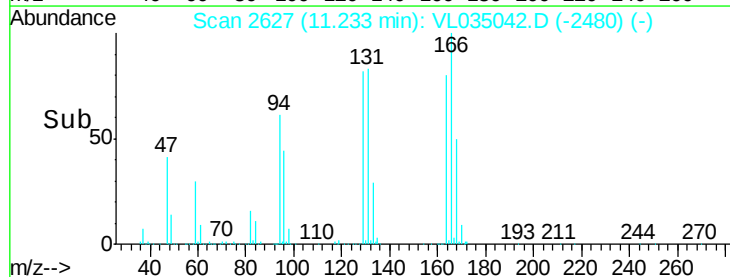
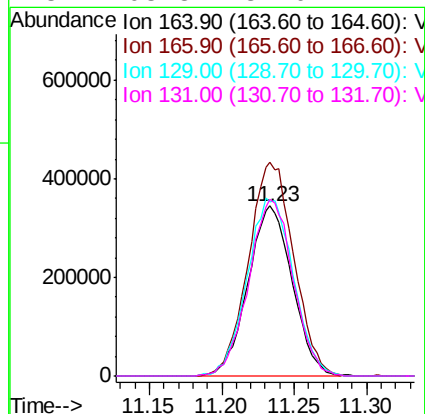
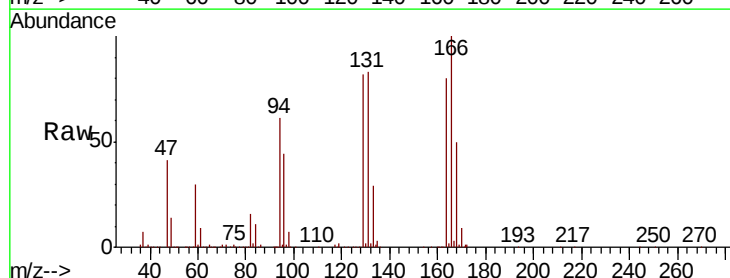
Delta R.T. -0.03 min

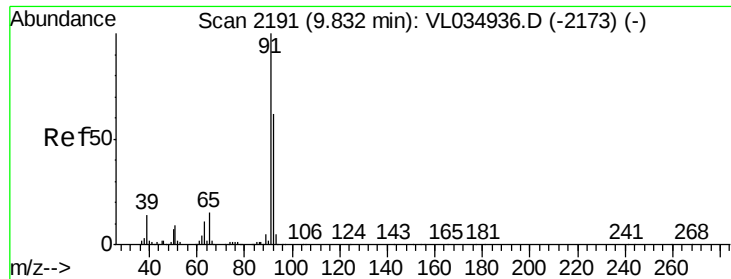
Lab File: VL035042.D

Acq: 19 May 2020 12:09

Tgt Ion: 164 Resp: 731201

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.7	151.1
129	102.3	83.0	124.4
131	103.8	81.0	121.4





#53

Toluene

Concen: 10.352 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

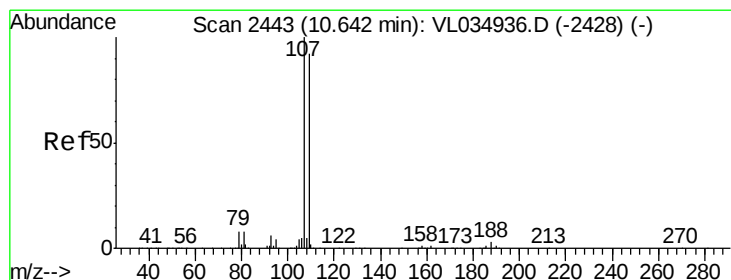
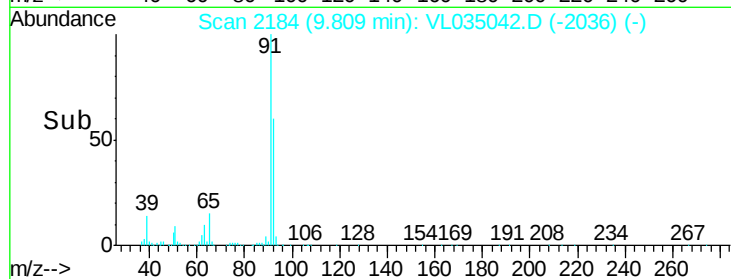
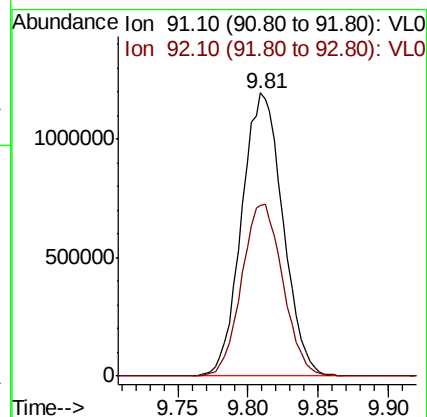
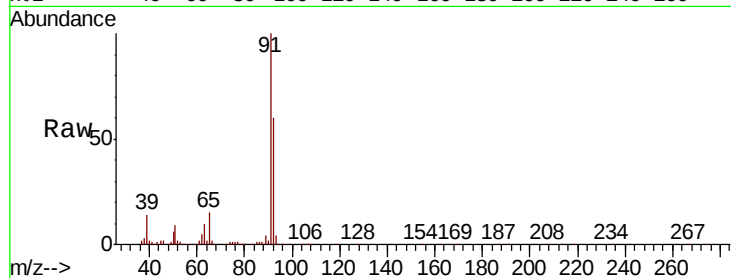
ClientSampleId :

Tot Ion: 91 Resp: 2443461

Ion Ratio Lower Upper

91 100

92 60.6 48.6 73.0



#54

1,2-Dibromoethane

Concen: 9.730 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035042.D

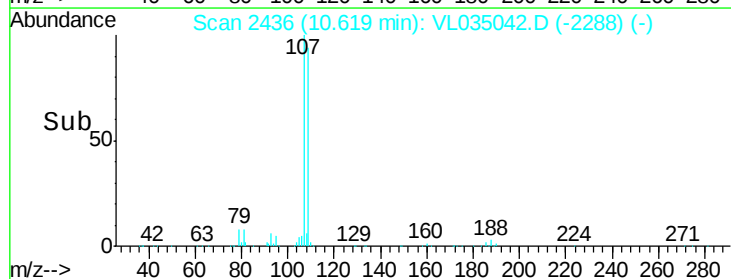
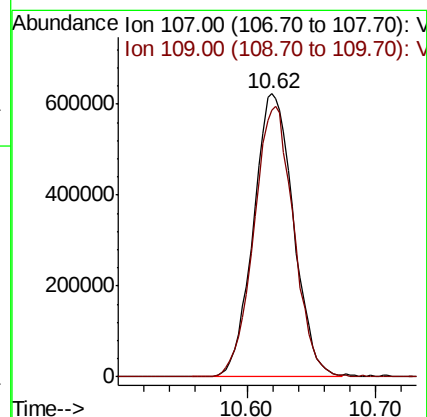
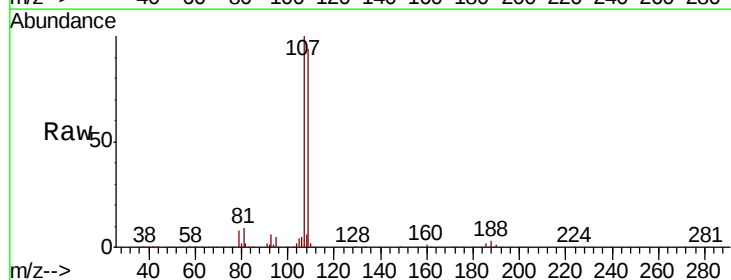
Acq: 19 May 2020 12:09

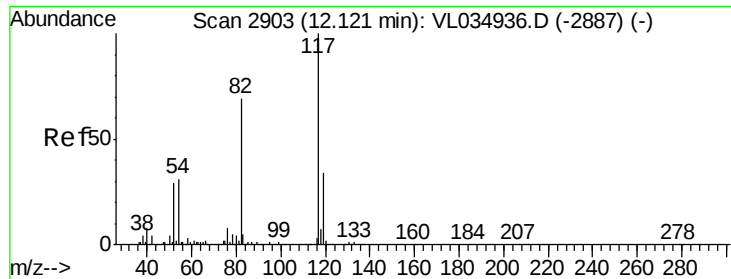
Tgt Ion: 107 Resp: 1345920

Ion Ratio Lower Upper

107 100

109 94.1 73.2 109.8

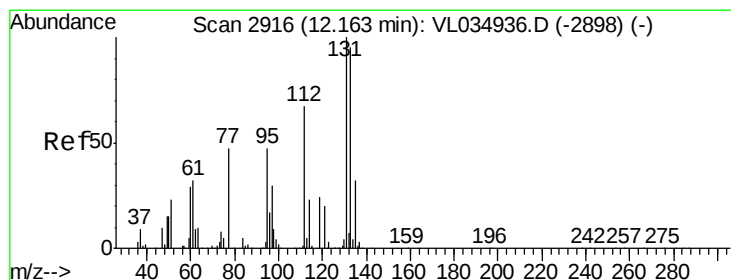
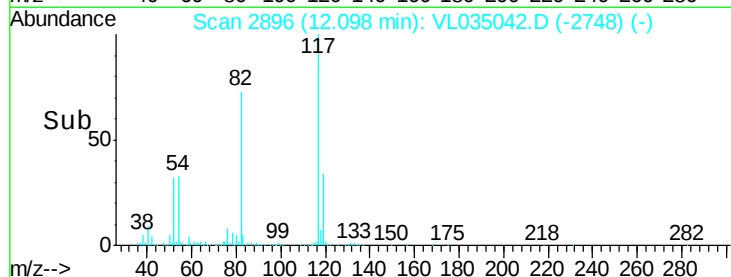
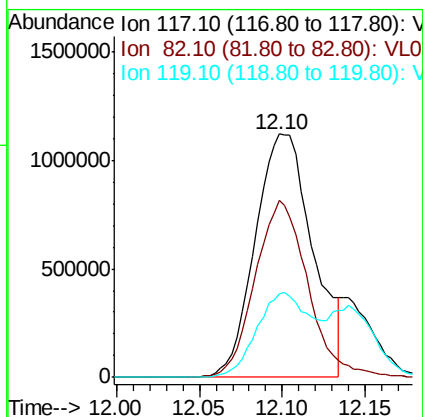
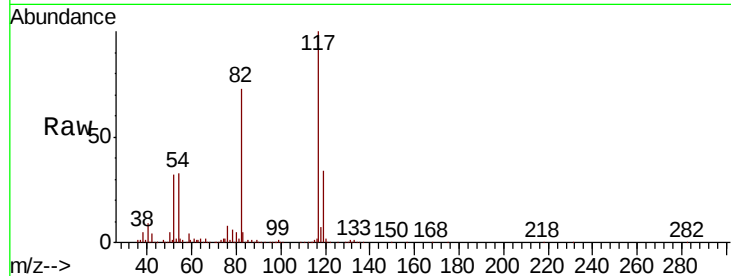




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

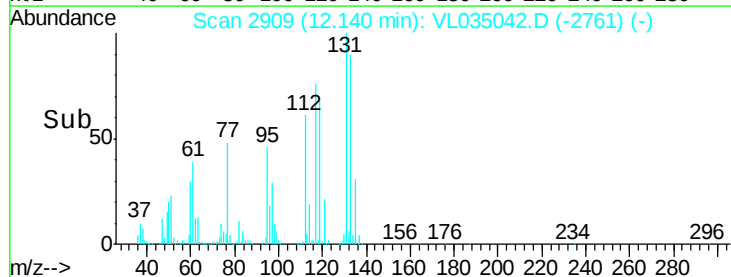
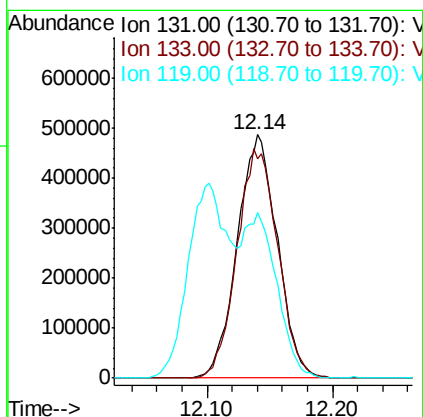
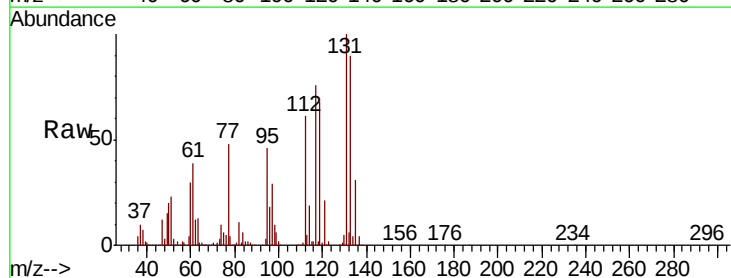
Instrument :
MSVOA_L
ClientSampled :

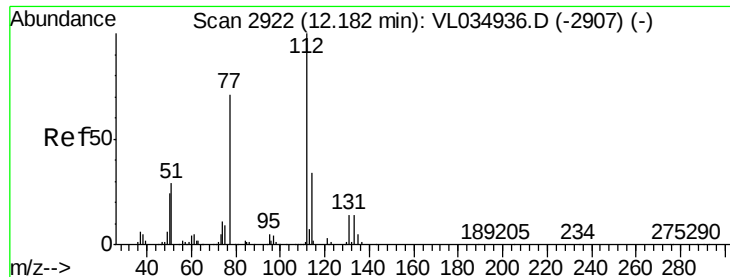
Tot Ion:117 Resp: 2708726
Ion Ratio Lower Upper
117 100
82 66.9 53.1 79.7
119 33.0 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 8.863 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion:131 Resp: 1082620
Ion Ratio Lower Upper
131 100
133 96.1 77.7 116.5
119 57.9 49.8 74.6





#57

Chlorobenzene

Concen: 8.577 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

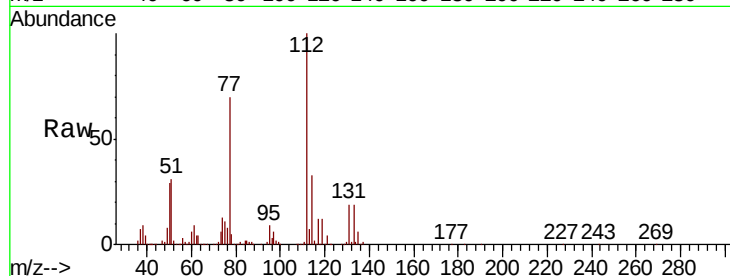
Tot Ion:112 Resp: 1840621

Ion Ratio Lower Upper

112 100

77 70.3 57.0 85.6

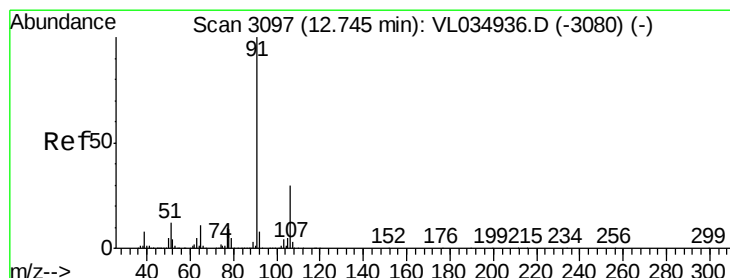
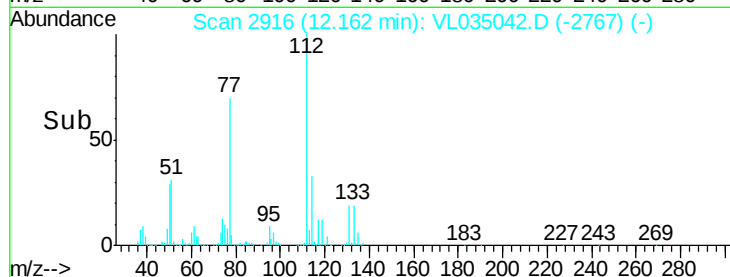
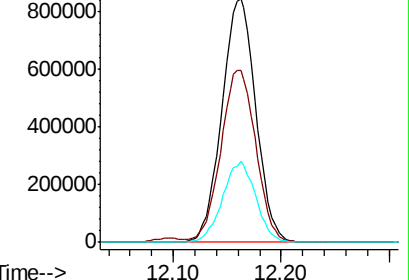
114 33.5 30.8 37.6



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: 9.873 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. -0.02 min

Lab File: VL035042.D

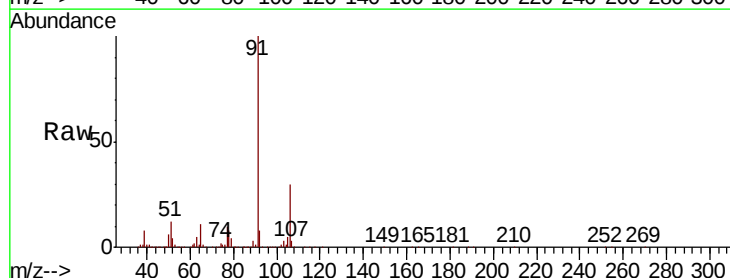
Acq: 19 May 2020 12:09

Tgt Ion: 91 Resp: 3306982

Ion Ratio Lower Upper

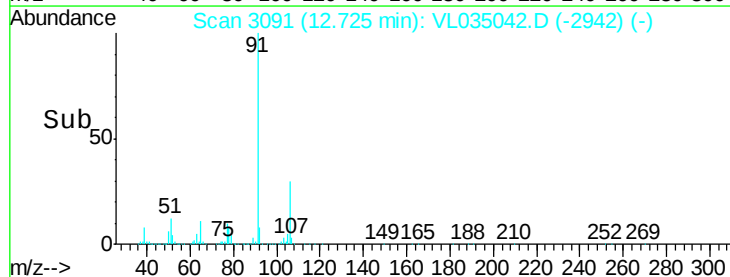
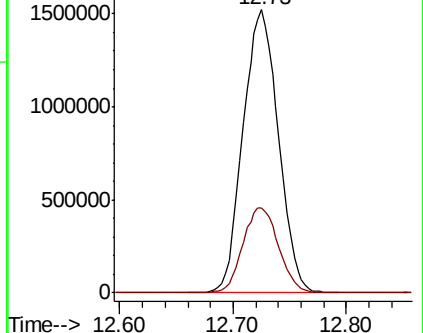
91 100

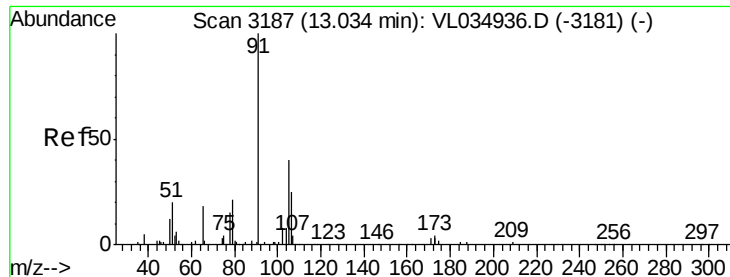
106 30.2 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 6.232 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

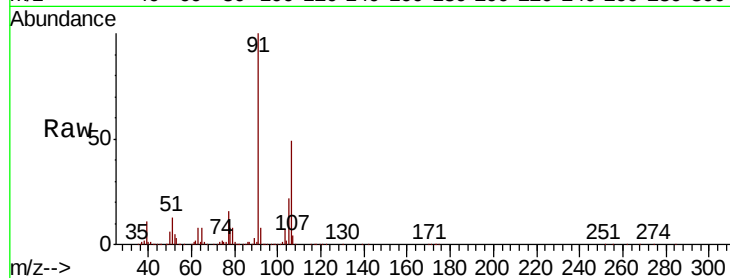
ClientSampled :

Tot Ion: 91 Resp: 1836673

Ion Ratio Lower Upper

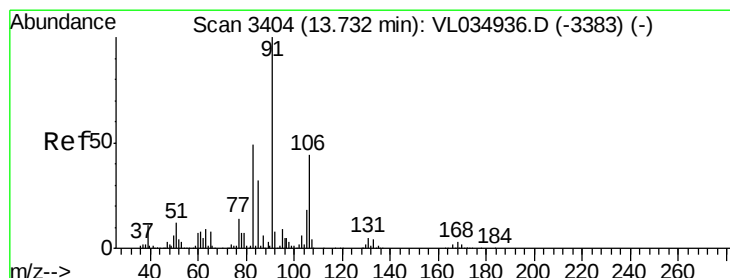
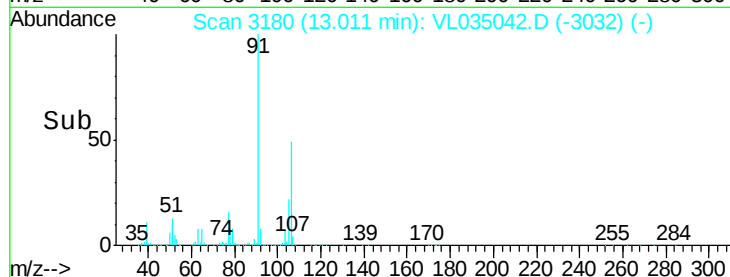
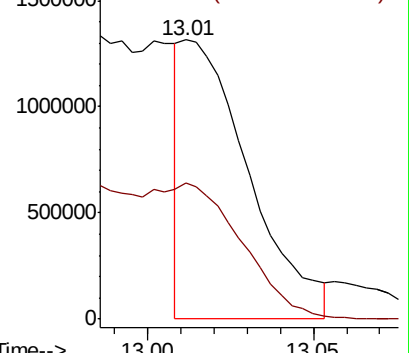
91 100

106 134.7 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.314 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.02 min

Lab File: VL035042.D

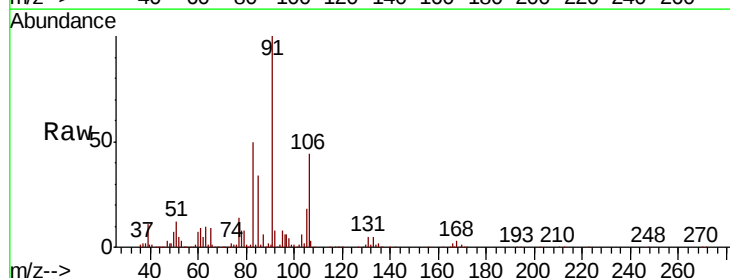
Acq: 19 May 2020 12:09

Tgt Ion: 91 Resp: 2708645

Ion Ratio Lower Upper

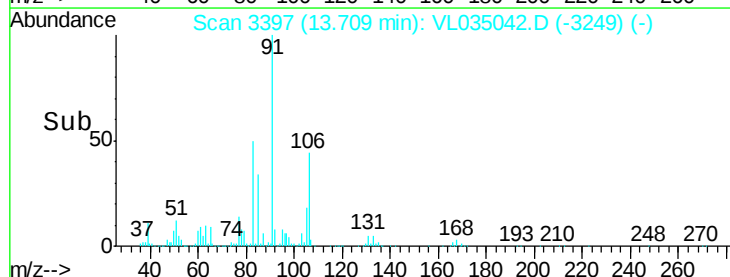
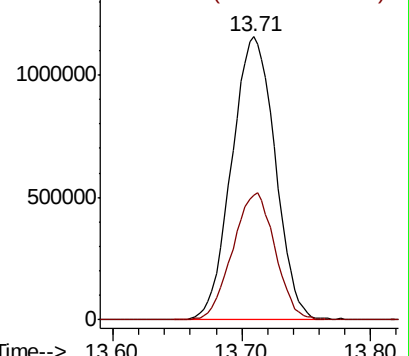
91 100

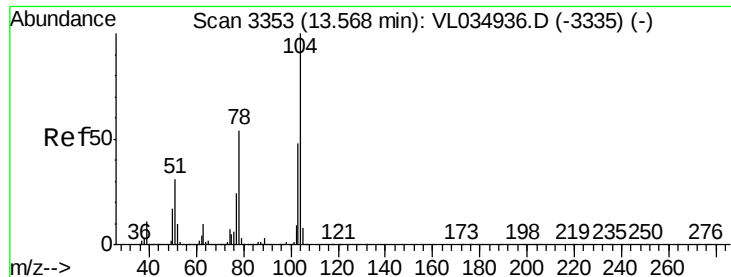
106 43.7 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 10.573 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

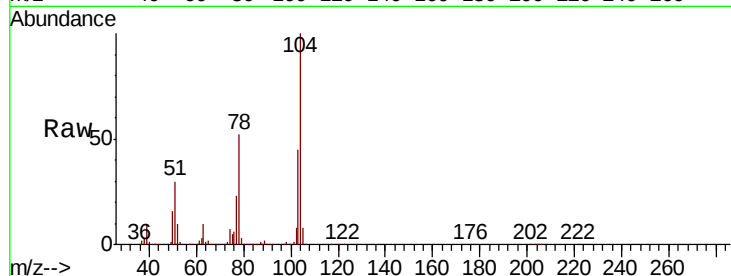
Tot Ion:104 Resp: 1945878

Ion Ratio Lower Upper

104 100

78 54.4 43.7 65.5

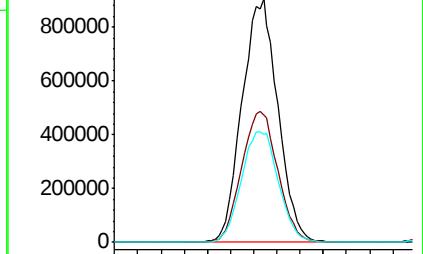
103 47.2 38.8 58.2



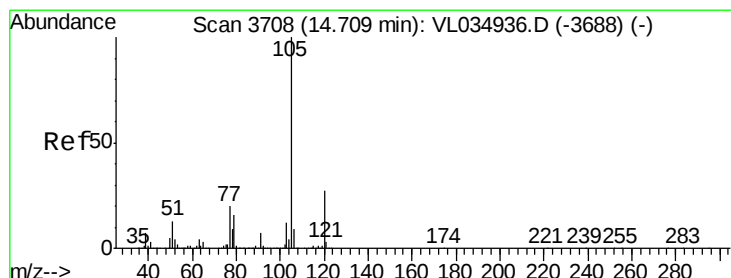
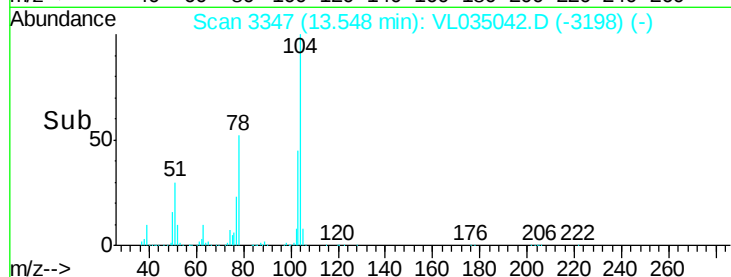
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



Time-->



#62

Isopropylbenzene

Concen: 9.205 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.02 min

Lab File: VL035042.D

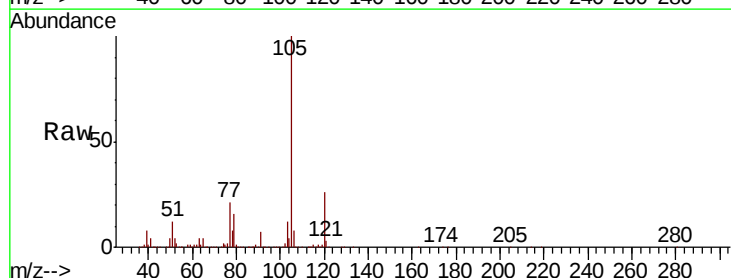
Acq: 19 May 2020 12:09

Tgt Ion:105 Resp: 3996617

Ion Ratio Lower Upper

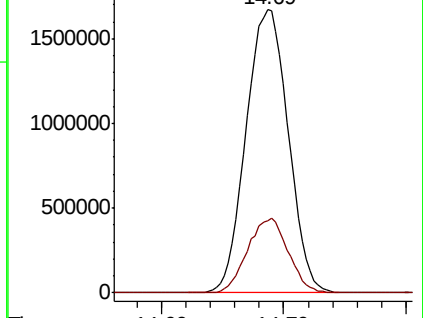
105 100

120 25.4 20.6 31.0

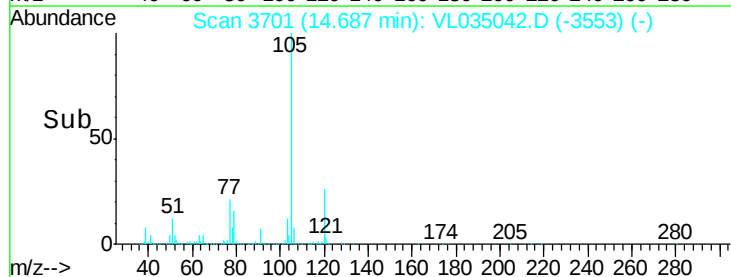


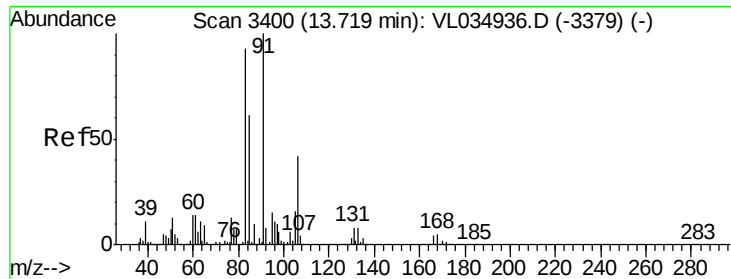
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->





#63

1,1,2,2-Tetrachloroethane

Concen: 8.376 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

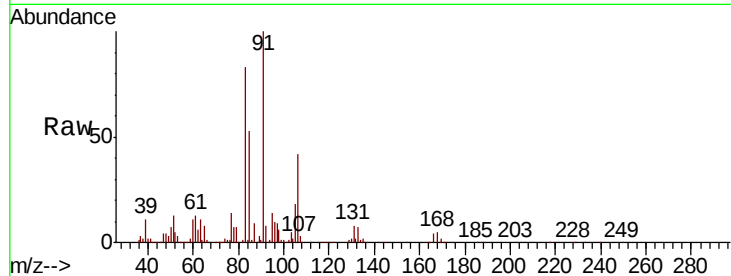
Tot Ion: 83 Resp: 1917416

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	65.3	32.5	97.4

83 100

131 9.1 4.7 14.0

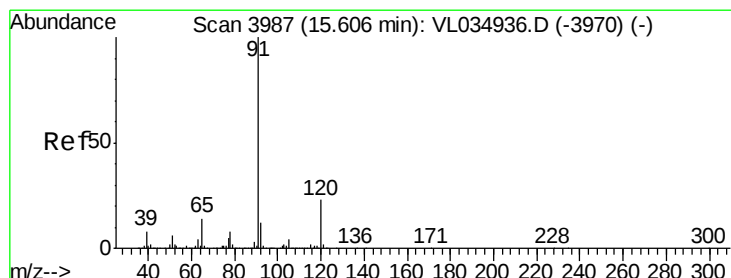
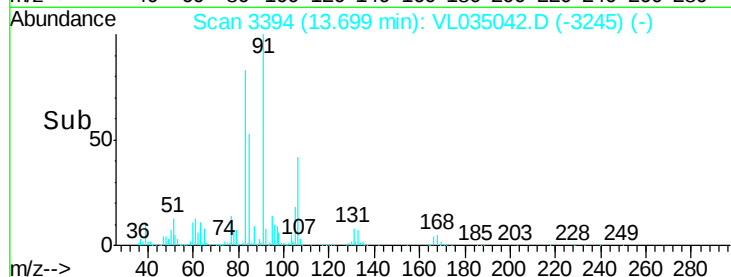
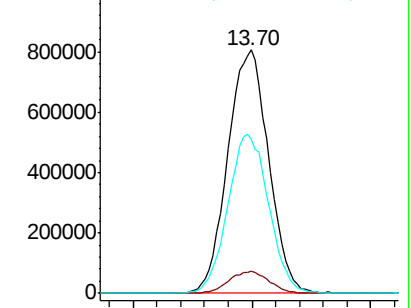
85 65.3 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.316 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.02 min

Lab File: VL035042.D

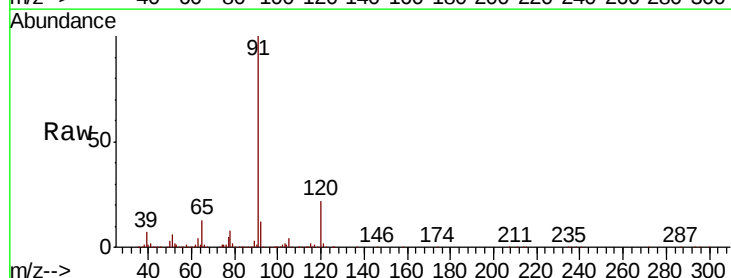
Acq: 19 May 2020 12:09

Tgt Ion:120 Resp: 1037519

Ion	Ratio	Lower	Upper
120	100		
91	472.9	373.5	560.3

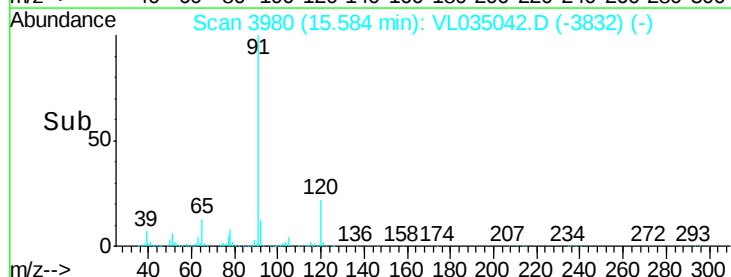
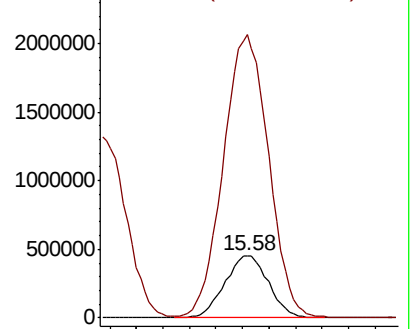
120 100

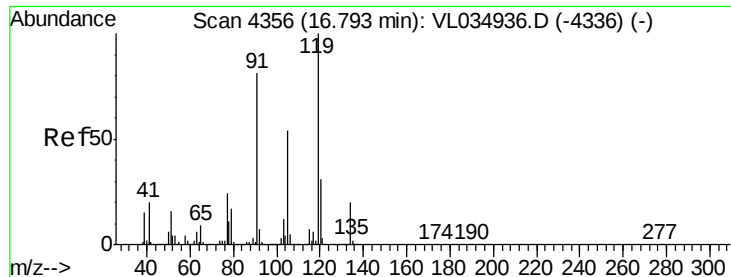
91 472.9 373.5 560.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.075 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.03 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

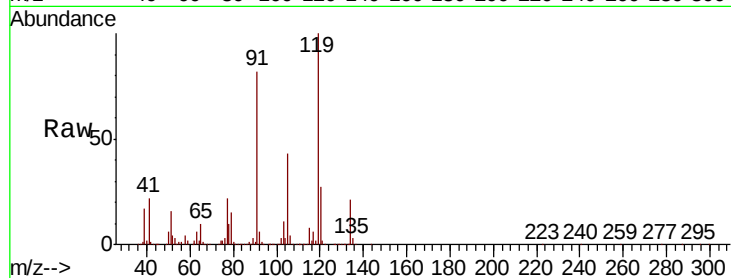
Tot Ion:119 Resp: 3417208

Ion Ratio Lower Upper

119 100

91 84.2 67.5 101.3

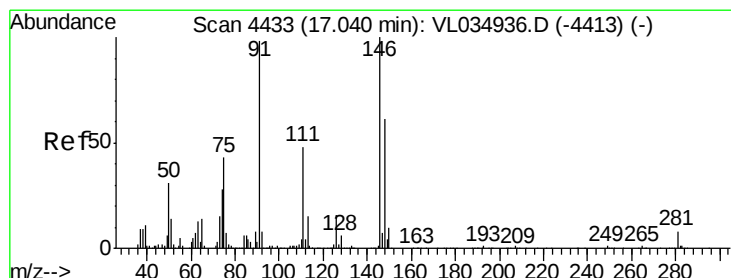
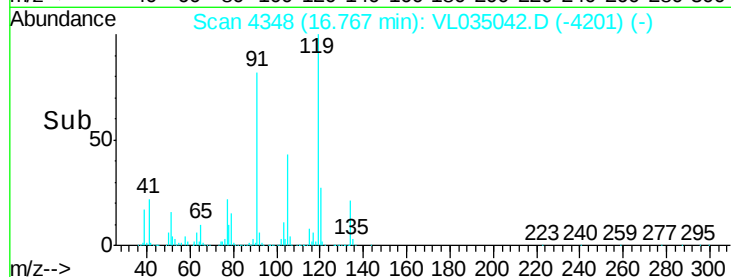
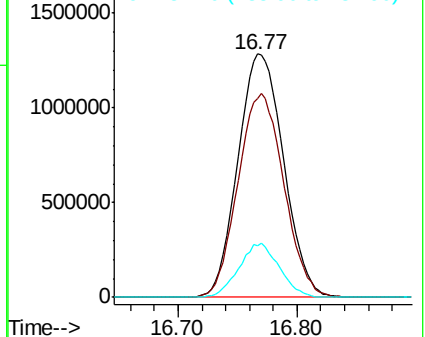
134 19.7 16.1 24.1



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: 9.947 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

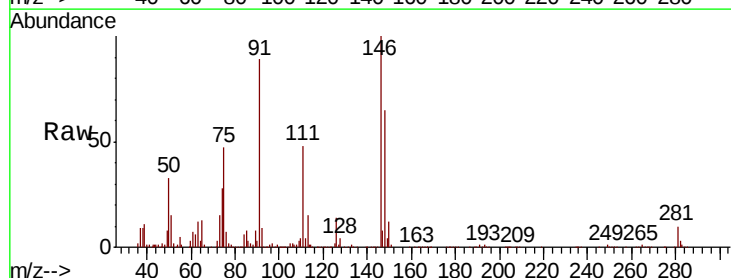
Tgt Ion: 91 Resp: 1271613

Ion Ratio Lower Upper

91 100

126 16.2 13.8 20.6

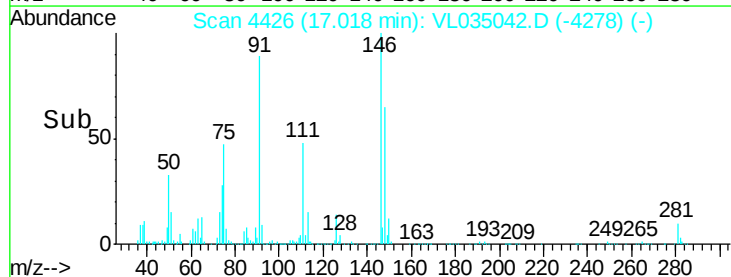
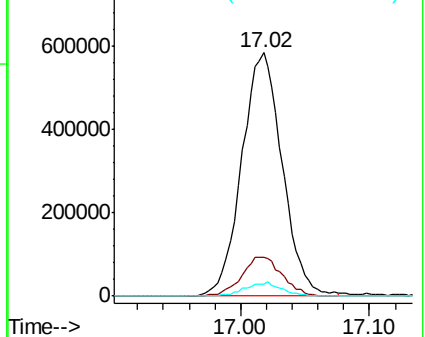
128 5.1 4.3 6.5

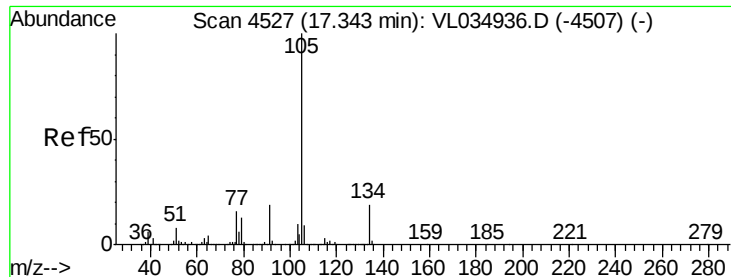


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.104 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

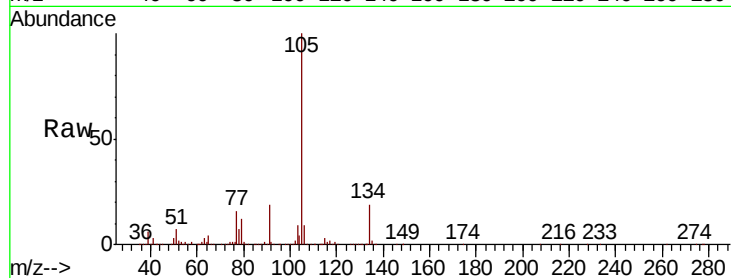
ClientSampled :

Tot Ion:105 Resp: 4893753

Ion Ratio Lower Upper

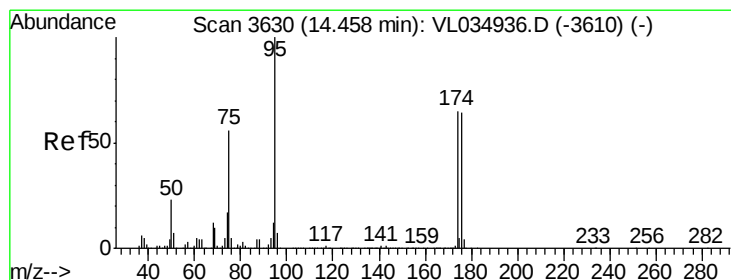
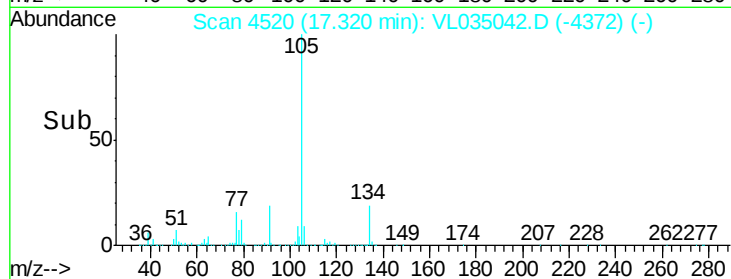
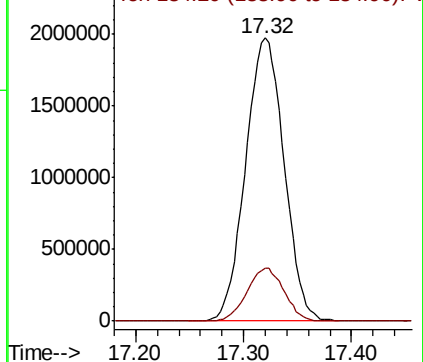
105 100

134 18.2 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.009 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

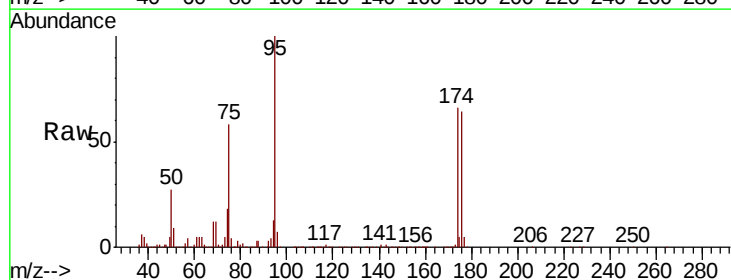
Tgt Ion: 95 Resp: 2194514

Ion Ratio Lower Upper

95 100

174 64.8 51.5 77.3

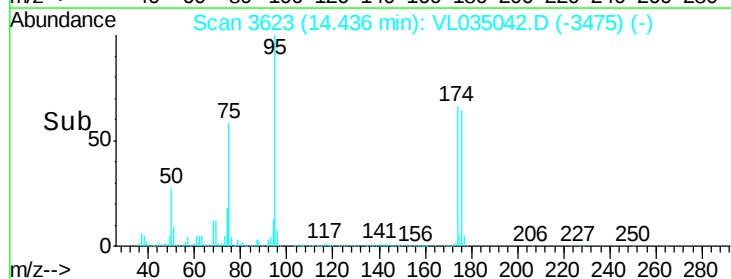
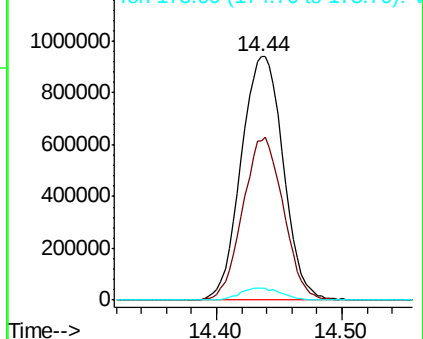
175 4.8 3.8 5.8

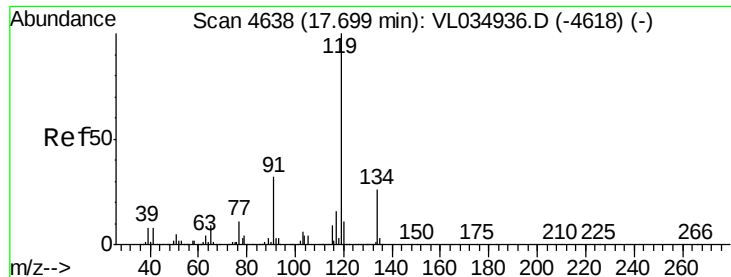


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

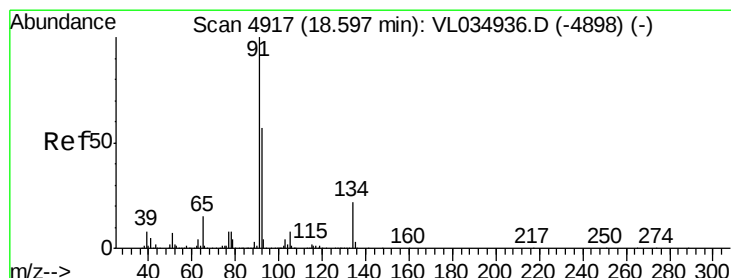
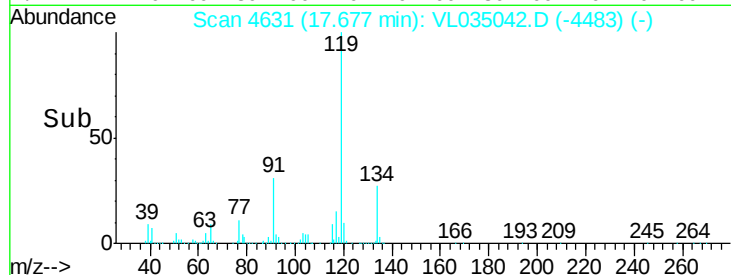
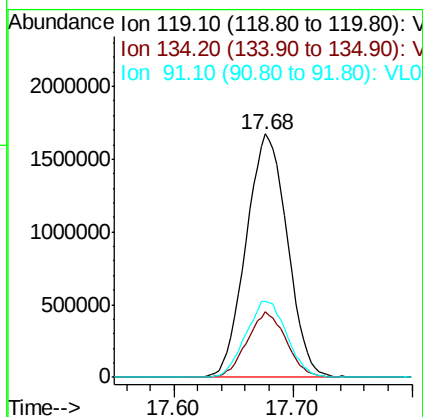
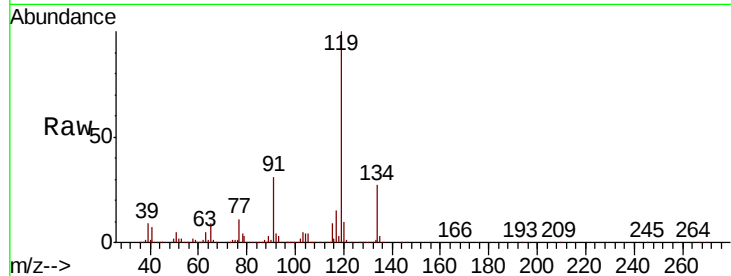




#69
 p-Isopropyltoluene
 Concen: 9.208 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

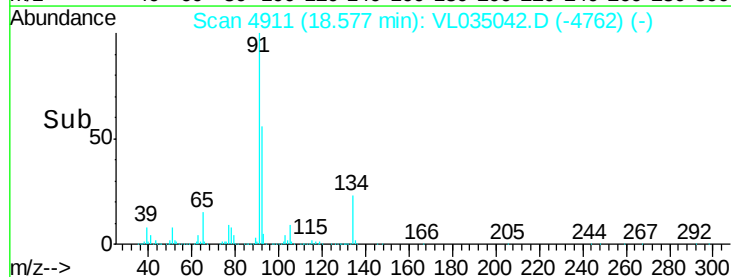
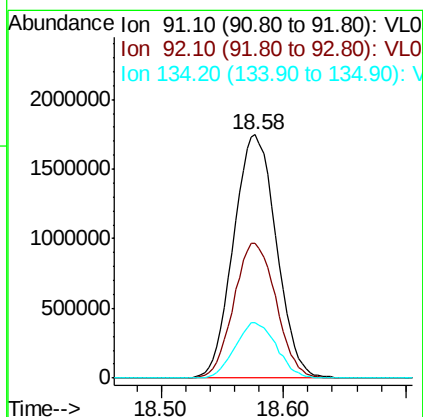
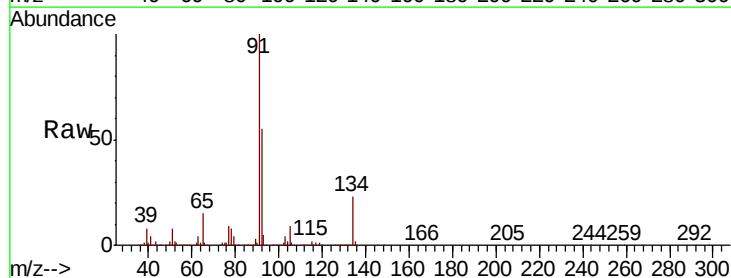
Instrument :
 MSVOA_L
 ClientSampled :

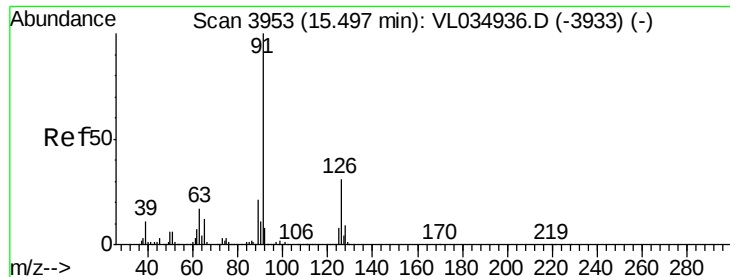
Tot Ion:119 Resp: 4004624
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.3 30.5
 91 31.3 24.6 36.8



#70
 n-Butylbenzene
 Concen: 9.144 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion: 91 Resp: 4232232
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.4 66.6
 134 22.2 18.0 27.0

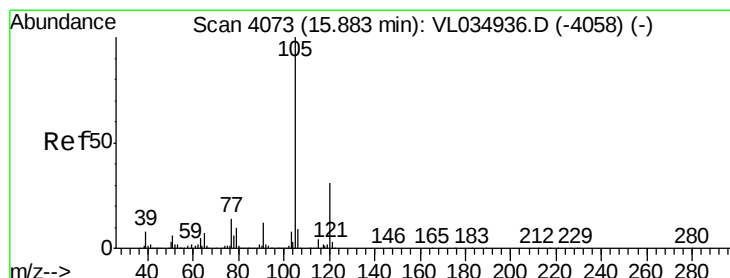
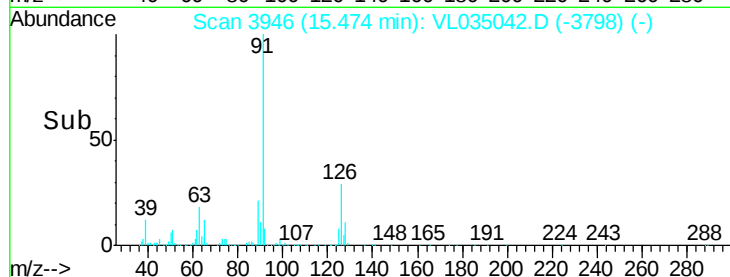
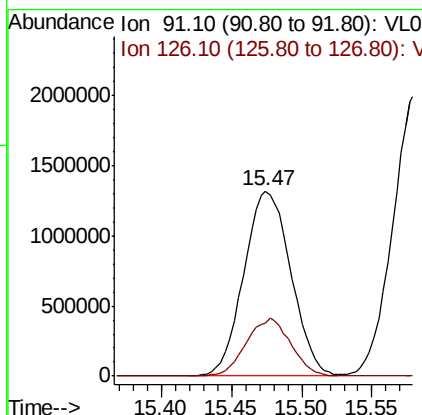
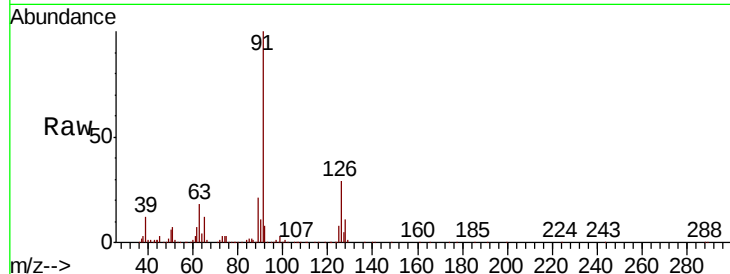




#71
 2-Chlorotoluene
 Concen: 9.378 ppbv
 RT: 15.47 min Scan# 3946
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

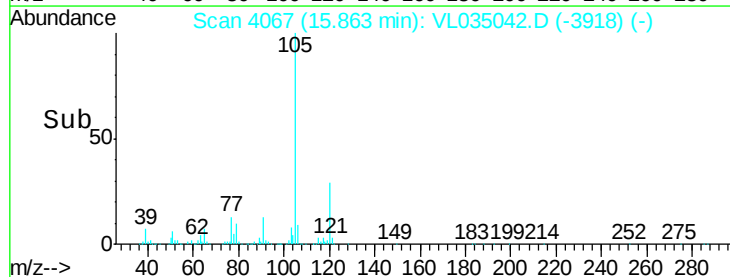
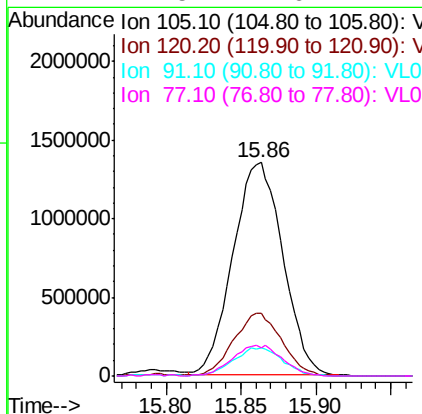
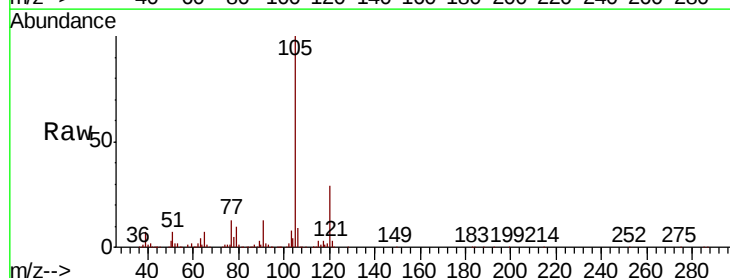
Instrument :
 MSVOA_L
 ClientSampleId :

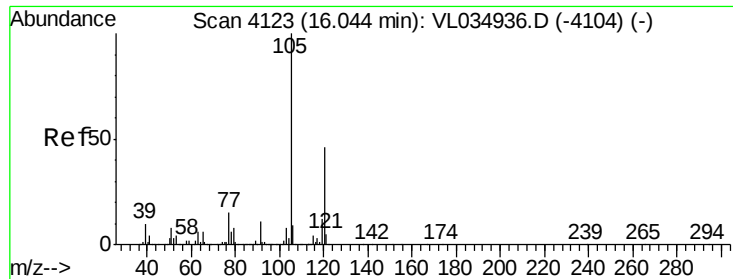
Tot Ion: 91 Resp: 3073603
 Ion Ratio Lower Upper
 91 100
 126 29.7 12.0 47.8



#72
 4-Ethyltoluene
 Concen: 9.695 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion: 105 Resp: 3145428
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.8 35.8
 91 13.3 10.6 15.8
 77 14.5 11.6 17.4

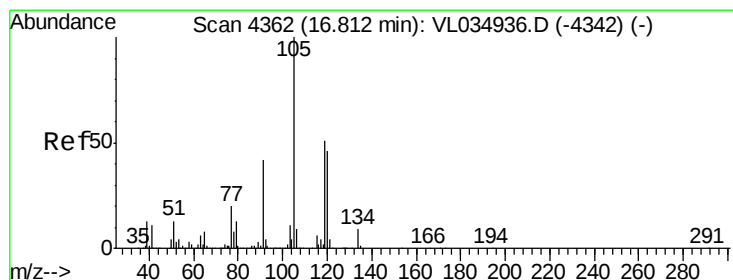
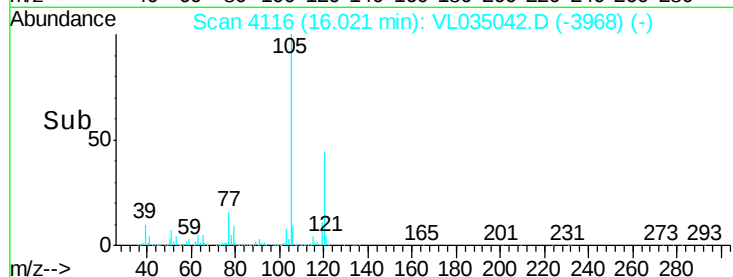
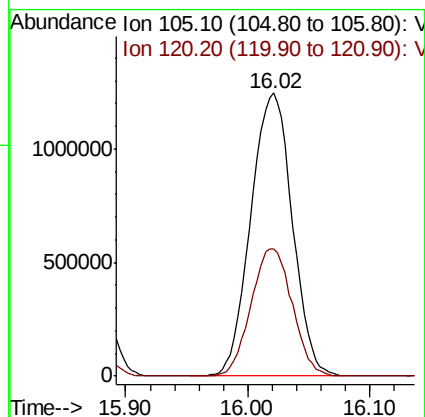
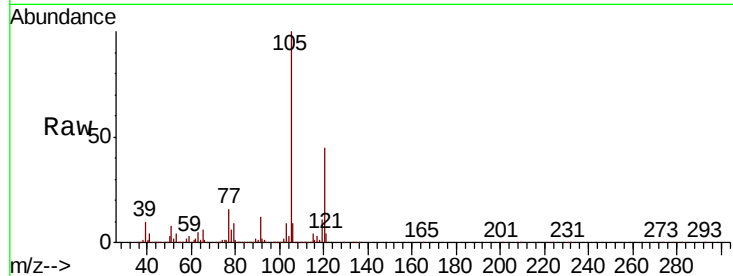




#73
 1,3,5-Trimethylbenzene
 Concen: 9.251 ppbv
 RT: 16.02 min Scan# 4116
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

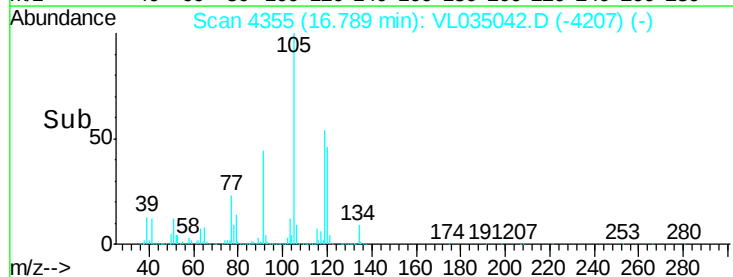
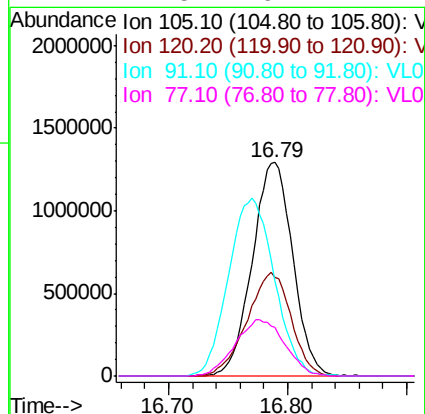
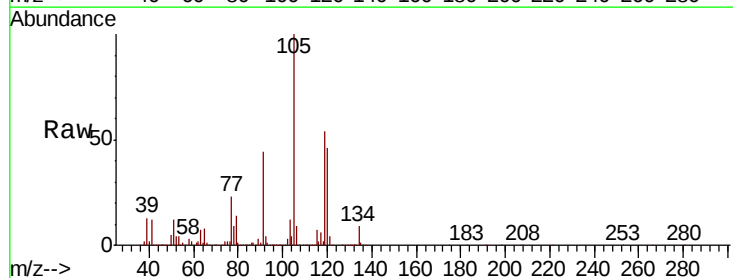
Instrument :
 MSVOA_L
 ClientSampleId :

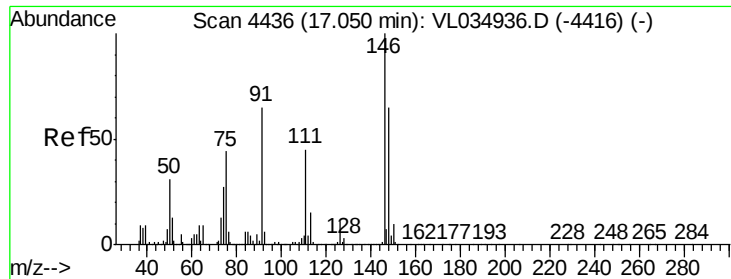
Tot Ion:105 Resp: 2920883
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.4 54.6



#74
 1,2,4-Trimethylbenzene
 Concen: 8.826 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion:105 Resp: 3041872
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2
 91 44.1 35.4 53.0
 77 22.5 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 8.420 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

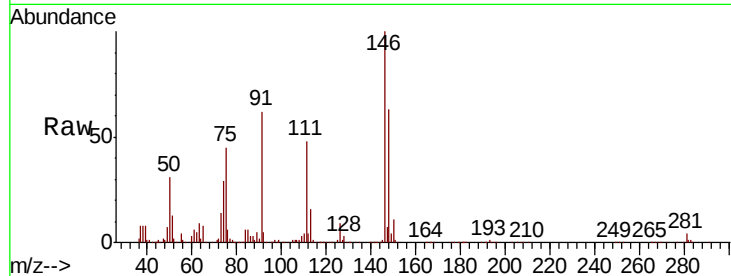
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 1703987

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.0	72.0
148	64.6	32.6	97.7

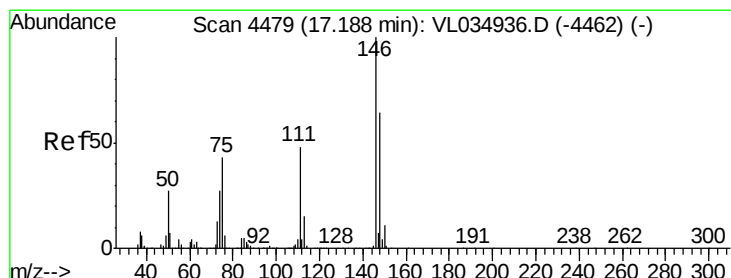
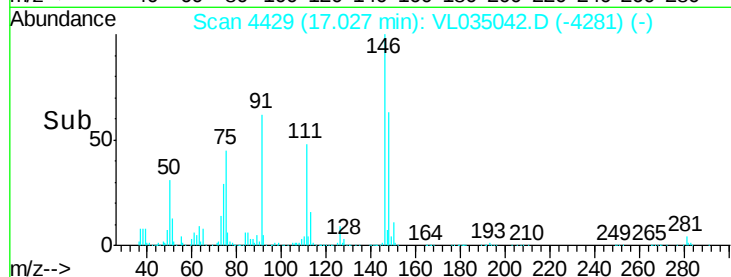
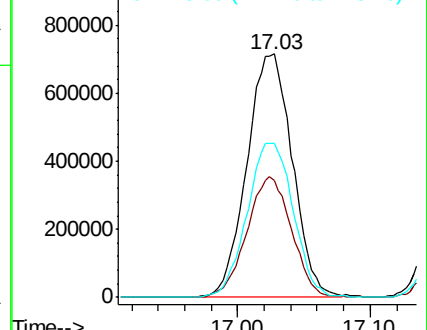


Abundance

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: 9.042 ppbv

RT: 17.17 min Scan# 4473

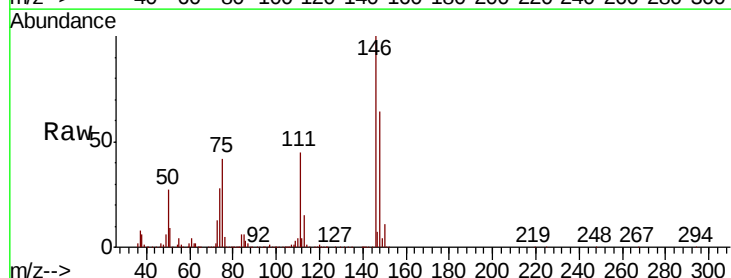
Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Tgt Ion:146 Resp: 1738607

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.7	71.1
148	64.3	32.6	97.8

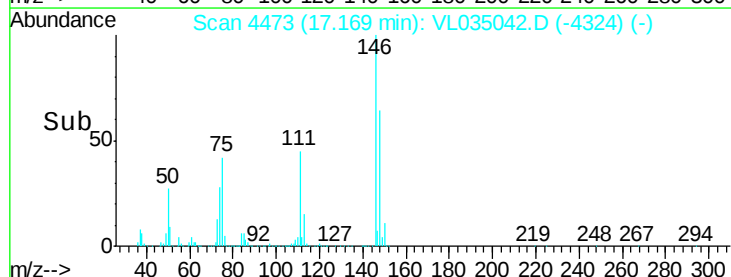
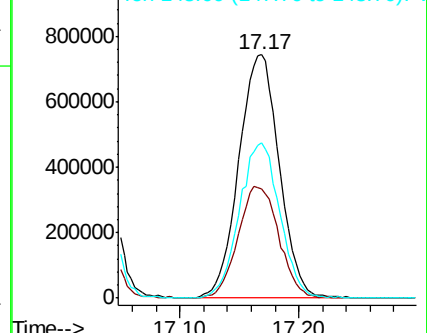


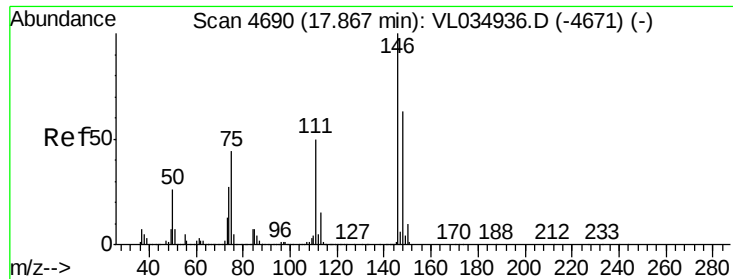
Abundance

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

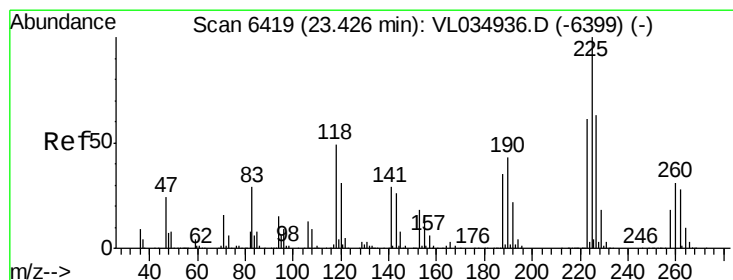
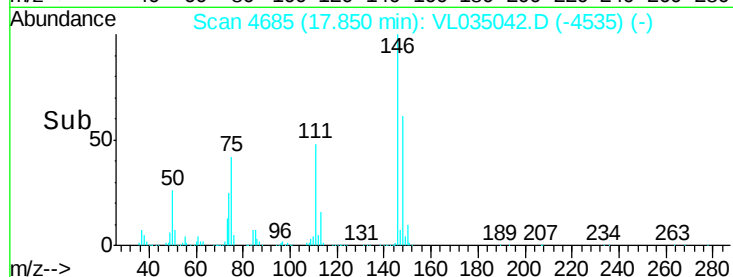
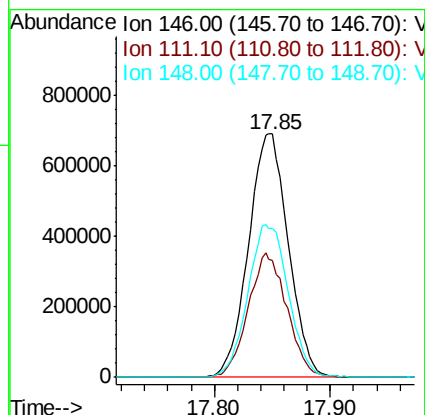
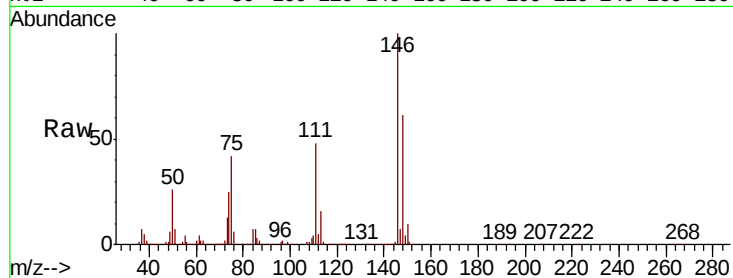




#77
 1,2-Dichlorobenzene
 Concen: 8.639 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

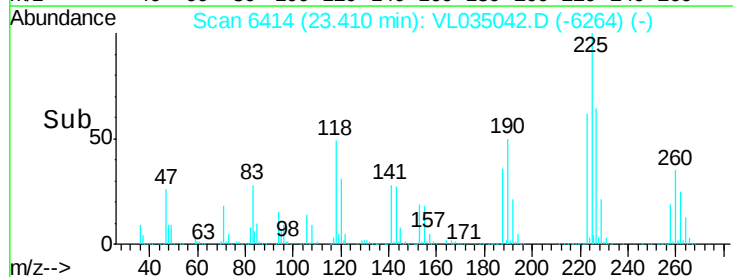
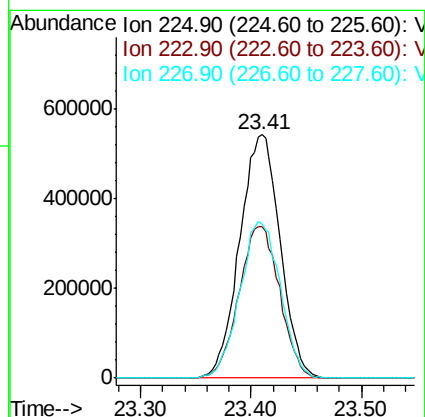
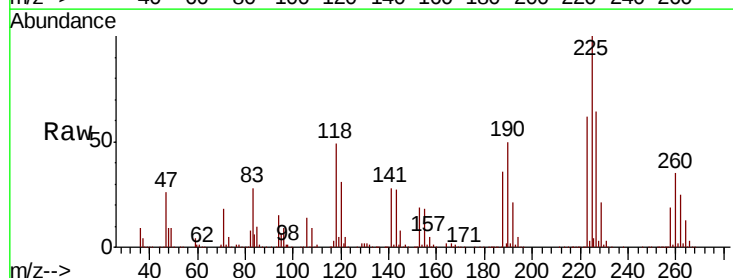
Instrument :
 MSVOA_L
 ClientSampled :

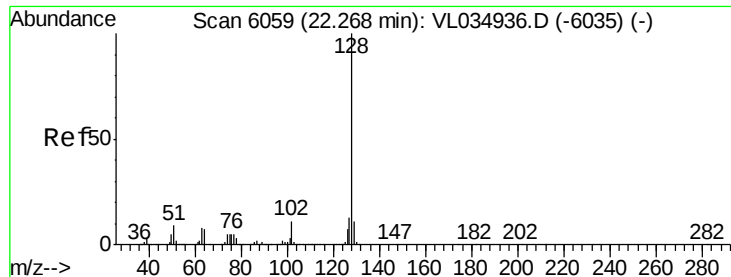
Tot Ion:146 Resp: 1647246
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.5 73.5
 148 63.8 31.7 95.1



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.475 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion:225 Resp: 1377516
 Ion Ratio Lower Upper
 225 100
 223 62.6 49.8 74.8
 227 64.5 51.8 77.6





#79

Naphthalene

Concen: 11.287 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. -0.03 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

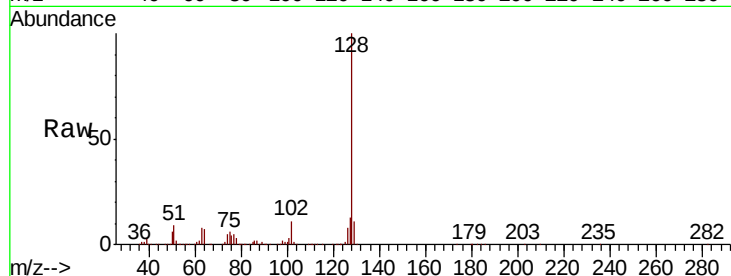
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:128 Resp: 3029262

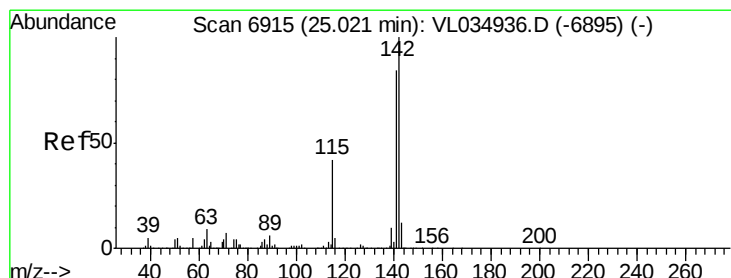
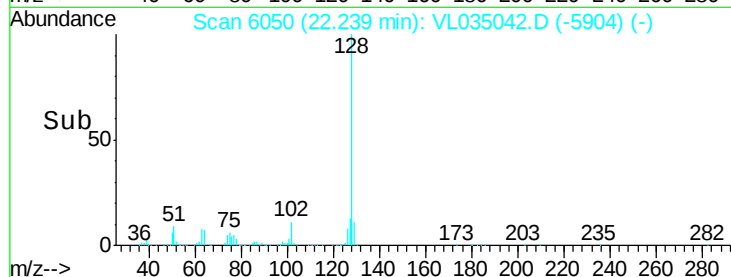
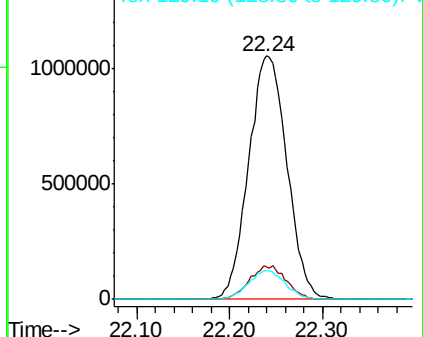
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.4	9.0	13.4



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: 20.481 ppbv

RT: 25.00 min Scan# 6909

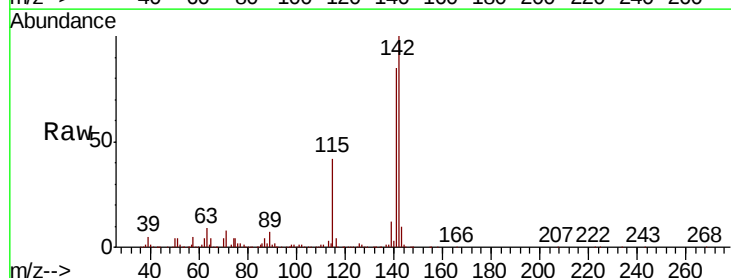
Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Tgt Ion:142 Resp: 1351178

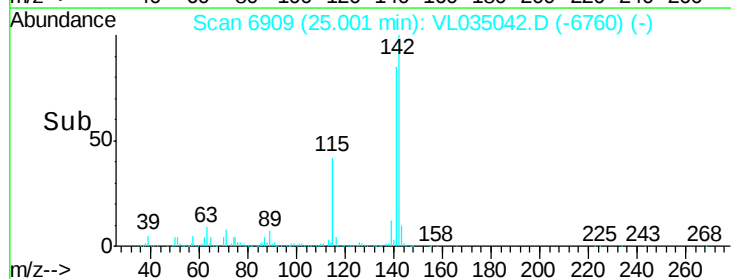
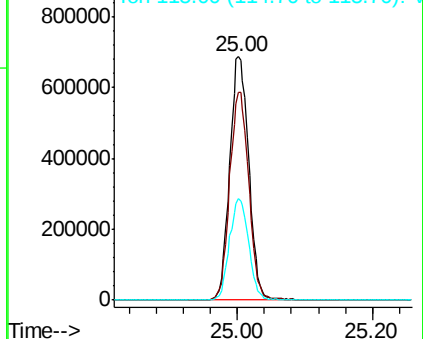
Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.6	102.8
115	42.0	33.9	50.9

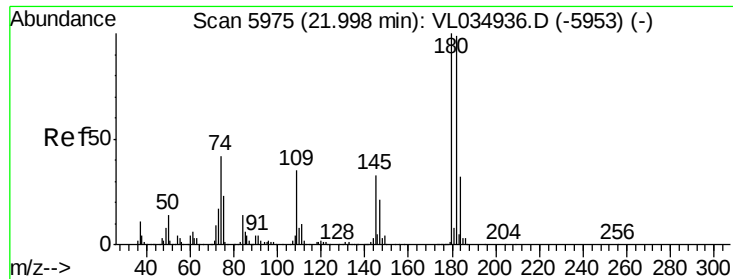


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

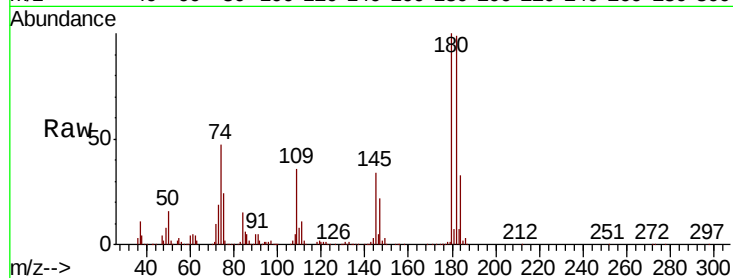




#81
 1,2,4-Trichlorobenzene
 Concen: 9.665 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. -0.03 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1572884
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.5 116.3
 184 31.5 24.8 37.2



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

