

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035742.D
 Acq On : 8 Oct 2020 11:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 09 01:16:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1197690	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4691578	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5821767	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3406606	7.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1688914	8.594	ppbv 99
3) Chlorodifluoromethane	2.98	51	1293316	10.037	ppbv 100
4) Chloromethane	3.13	50	684063	9.883	ppbv 100
5) Vinyl Chloride	3.25	62	817520	9.985	ppbv 99
6) Bromomethane	3.47	94	683860	9.881	ppbv 100
7) Chloroethane	3.55	64	306602	10.211	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2229653	9.354	ppbv 99
9) Propene	3.00	41	500289	10.694	ppbv 100
10) Heptane	8.13	43	1412033	10.827	ppbv 100
11) Trichlorofluoromethane	3.95	101	2650871	9.454	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1973195	9.440	ppbv 99
13) Ethanol	3.61	45	111789	9.690	ppbv 98
14) Bromoethene	3.74	108	907609	10.308	ppbv 100
15) Acetone	3.85	43	1117705	8.673	ppbv 99
16) 1,3-Butadiene	3.32	39	507940	10.773	ppbv 100
17) tert-Butyl alcohol	4.29	59	1708342	12.169	ppbv 100
18) 1,1-Dichloroethene	4.29	96	933216	10.197	ppbv 96
19) Isopropyl Alcohol	3.97	45	839705	11.978	ppbv # 96
20) Methylene Chloride	4.34	84	770791	8.142	ppbv 98
21) Allyl Chloride	4.41	41	681059	10.903	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	967927	10.011	ppbv 97
23) Vinyl Acetate	5.08	43	1805750	11.440	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1727282	10.046	ppbv 99
25) Ethyl Acetate	5.68	43	2332244	10.057	ppbv 100
26) Hexane	5.69	57	1304096	10.262	ppbv 99
27) Carbon Disulfide	4.55	76	2082266	10.994	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2360742	11.720	ppbv 100
29) Chloroform	5.76	83	2578848	9.993	ppbv 98
30) Cyclohexane	7.14	84	1426782	11.380	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1406103	11.463	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2546905	11.196	ppbv 99
34) 2-Butanone	5.25	43	1629919	10.504	ppbv 99
35) Carbon Tetrachloride	7.03	117	2577525	10.537	ppbv 98
36) Benzene	6.90	78	3295137	10.779	ppbv 100
37) 1,2-Dichloroethane	6.31	62	1622639	10.184	ppbv 100
38) Trichloroethene	7.85	130	1604041	10.518	ppbv 100
39) 1,2-Dichloropropane	7.63	63	1136842	10.260	ppbv 99
40) 1,4-Dioxane	7.84	88	561777	11.086	ppbv 91
41) Tetrahydrofuran	6.05	42	918921	11.754	ppbv 99
42) Bromodichloromethane	7.80	83	2714184	10.575	ppbv 99
43) Methyl Methacrylate	8.02	69	1385134	11.393	ppbv 99

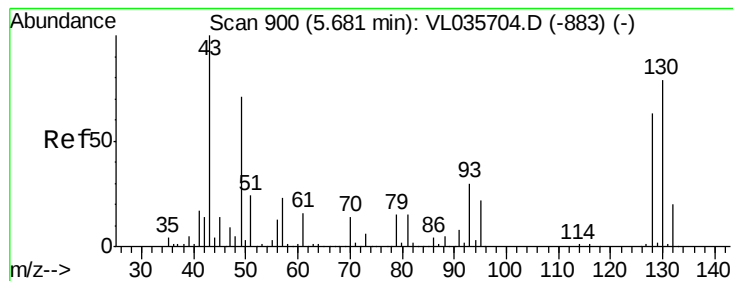
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4366486	9.954	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1572656	12.812	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1868321	12.348	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1583824	9.979	ppbv	100
48) Dibromochloromethane	10.32	129	2645354	10.952	ppbv	100
49) Bromoform	13.07	173	2348783	11.460	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2352159	10.378	ppbv	99
51) 2-Hexanone	10.15	43	1995784	10.929	ppbv #	100
52) Tetrachloroethene	11.24	164	1519638	10.337	ppbv	99
53) Toluene	9.82	91	4051162	11.238	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2471370	10.399	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2030021	8.316	ppbv	95
57) Chlorobenzene	12.17	112	3365428	7.654	ppbv	99
58) Ethyl Benzene	12.73	91	5242177	8.971	ppbv	100
59) m/p-Xylene	13.02	91	4714782	9.239	ppbv #	39
60) o-Xylene	13.72	91	4327208	8.383	ppbv	100
61) Styrene	13.55	104	3431775	9.615	ppbv	99
62) Isopropylbenzene	14.70	105	6515981	8.138	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3132023	7.399	ppbv	100
64) n-propylbenzene	15.59	120	2004373	8.554	ppbv	99
65) tert-Butylbenzene	16.78	119	5966472	8.196	ppbv	99
66) Benzyl Chloride	17.02	91	2219835	10.065	ppbv	99
67) sec-Butylbenzene	17.33	105	7934849	7.893	ppbv	100
69) p-Isopropyltoluene	17.68	119	6712190	8.207	ppbv	99
70) n-Butylbenzene	18.58	91	6638676	7.883	ppbv	99
71) 2-Chlorotoluene	15.48	91	4989660	8.544	ppbv	100
72) 4-Ethyltoluene	15.87	105	5297098	8.663	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4916087	8.507	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	5066816	7.778	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	3380659	7.602	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	3381713	7.955	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3309333	7.878	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1836364	7.924	ppbv	100
79) Naphthalene	22.24	128	5014494	8.071	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1556882	10.624	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	2642911	8.208	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

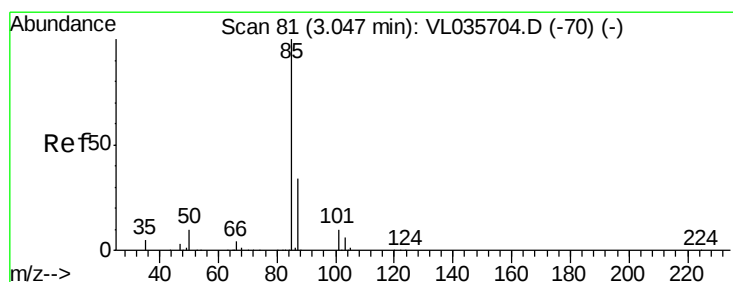
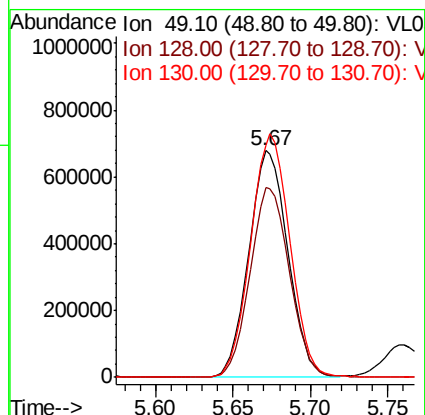
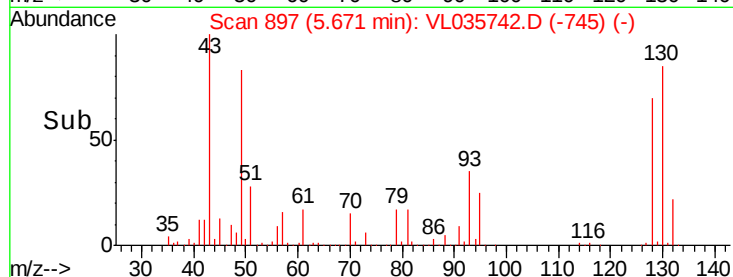
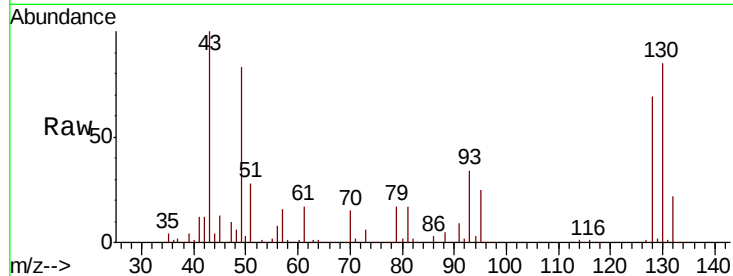
Tot Ion: 49 Resp: 1197690

Ion Ratio Lower Upper

49 100

128 84.7 43.1 129.4

130 108.2 54.9 164.7



#2

Dichlorodifluoromethane

Concen: 8.594 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035742.D

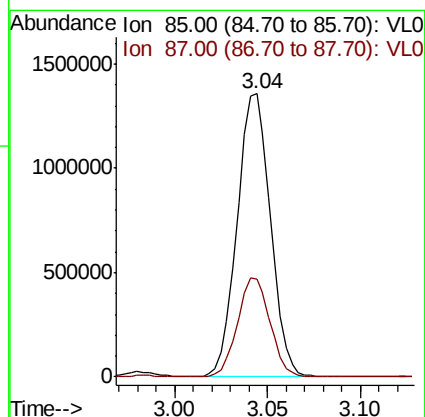
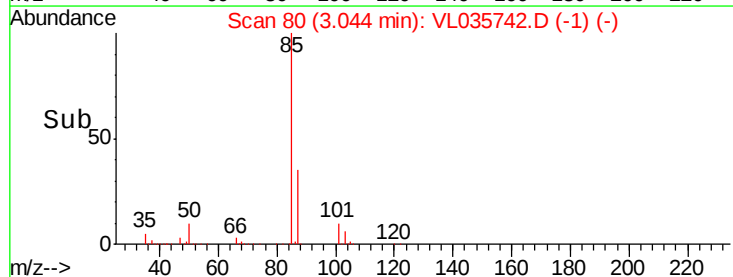
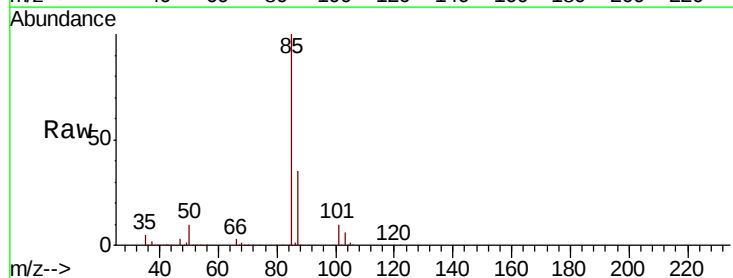
Acq: 8 Oct 2020 11:01

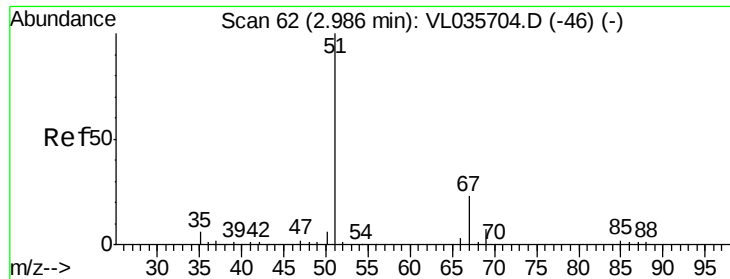
Tgt Ion: 85 Resp: 1688914

Ion Ratio Lower Upper

85 100

87 34.7 27.3 40.9





#3

Chlorodifluoromethane

Concen: 10.037 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

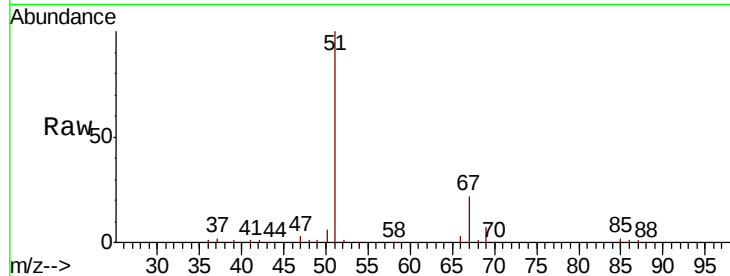
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1293316

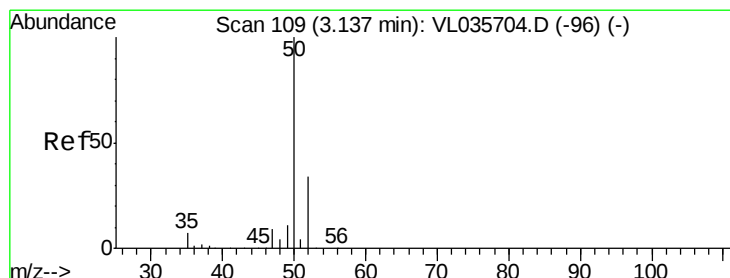
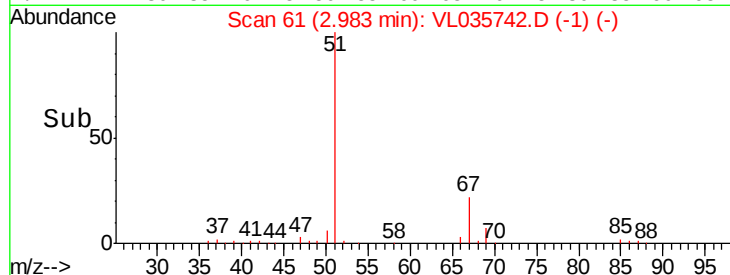
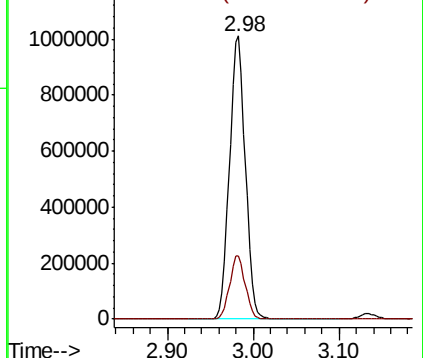
Ion Ratio Lower Upper

51 100

67 22.1 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.883 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035742.D

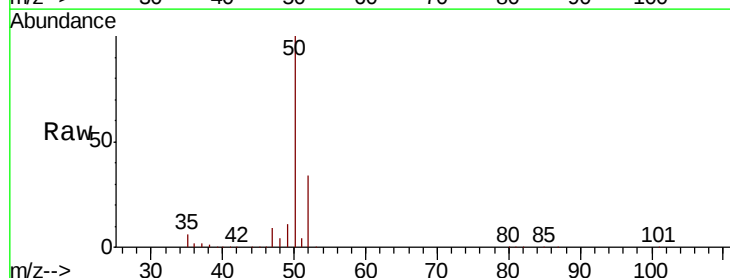
Acq: 8 Oct 2020 11:01

Tgt Ion: 50 Resp: 684063

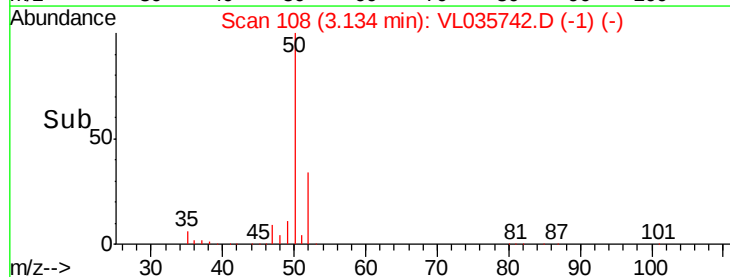
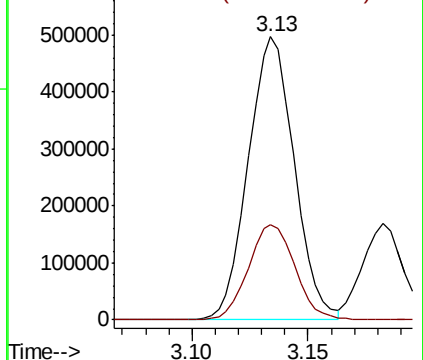
Ion Ratio Lower Upper

50 100

52 33.6 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.985 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

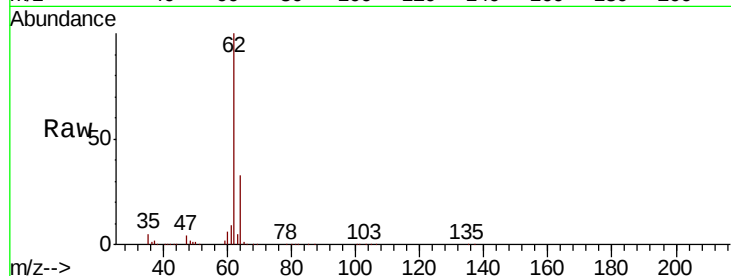
ClientSampleId :

Tot Ion: 62 Resp: 817520

Ion Ratio Lower Upper

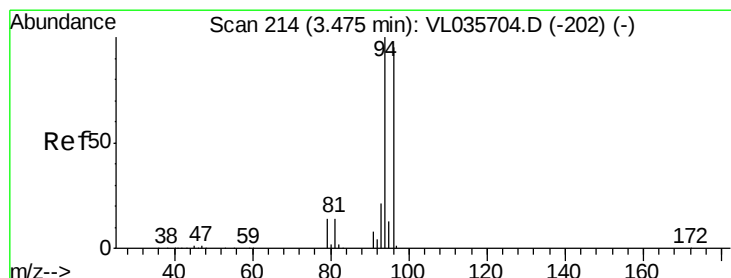
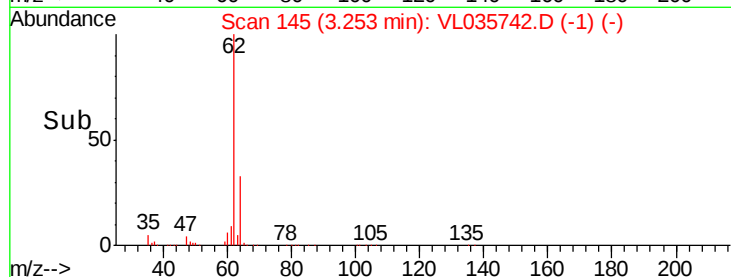
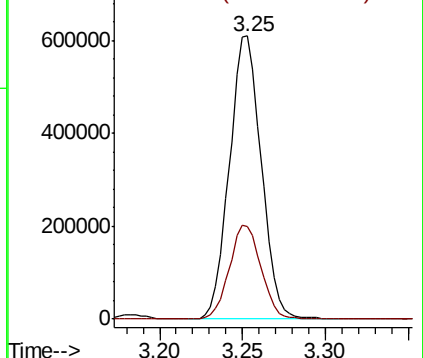
62 100

64 32.9 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.881 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL035742.D

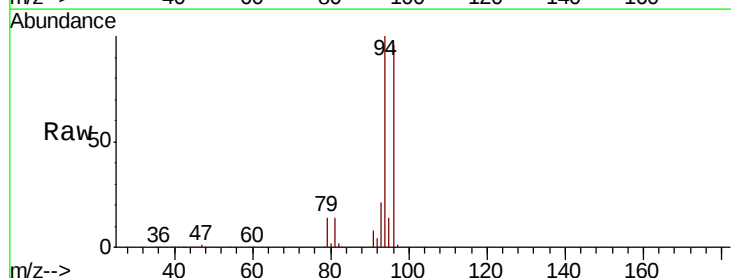
Acq: 8 Oct 2020 11:01

Tgt Ion: 94 Resp: 683860

Ion Ratio Lower Upper

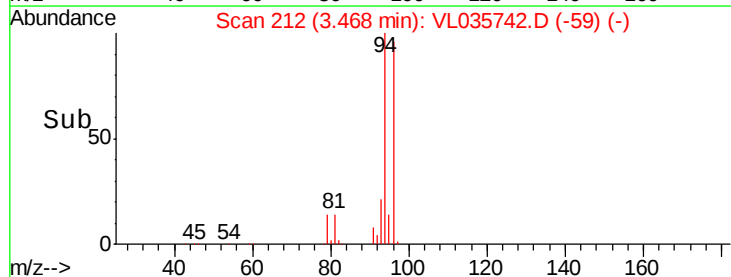
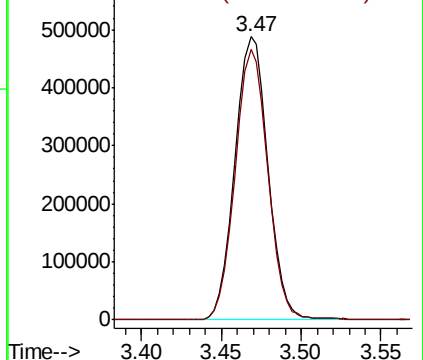
94 100

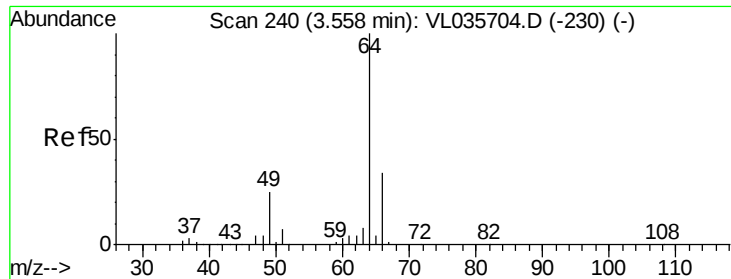
96 95.8 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.211 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

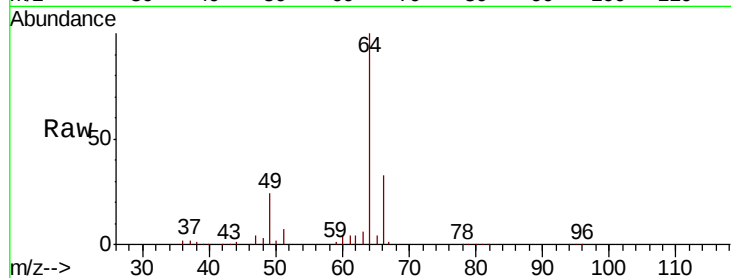
ClientSampled :

Tot Ion: 64 Resp: 306602

Ion Ratio Lower Upper

64 100

66 33.3 26.9 40.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

250000

200000

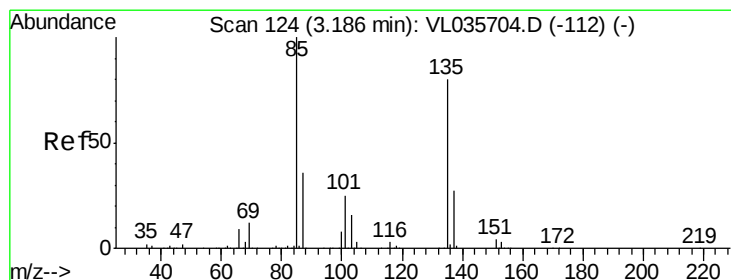
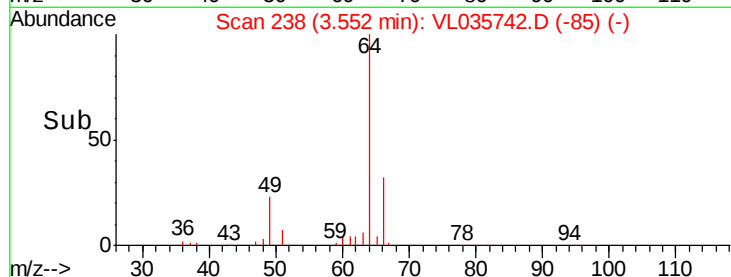
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.354 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035742.D

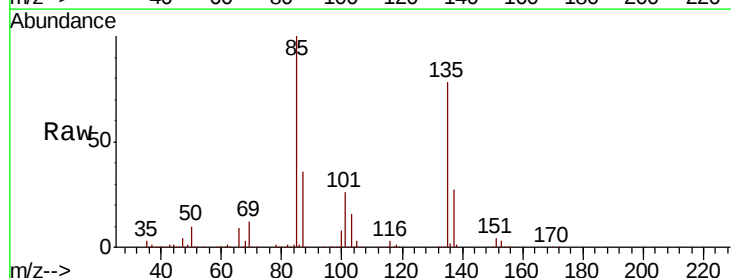
Acq: 8 Oct 2020 11:01

Tgt Ion: 85 Resp: 2229653

Ion Ratio Lower Upper

85 100

135 79.9 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

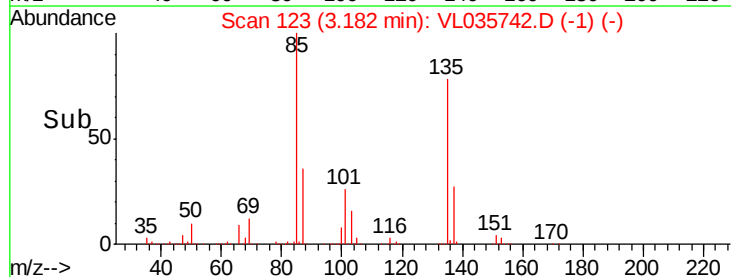
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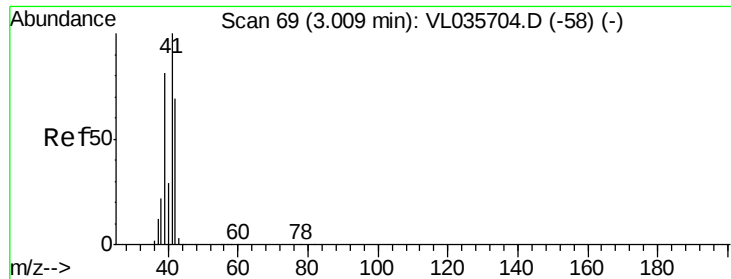
1000000

500000

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Time-->





#9

Propene

Concen: 10.694 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

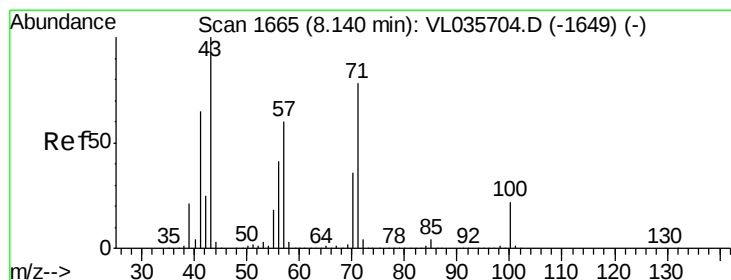
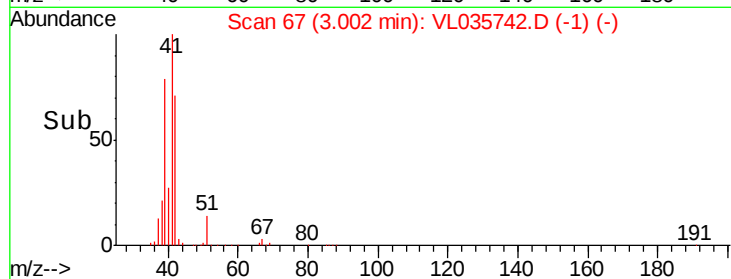
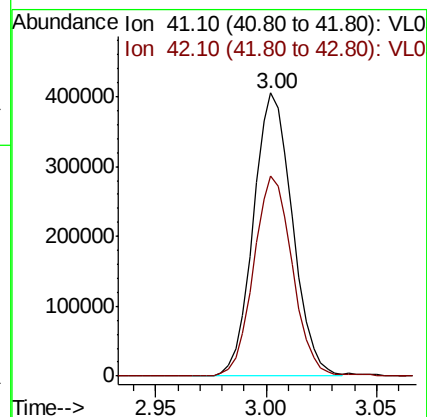
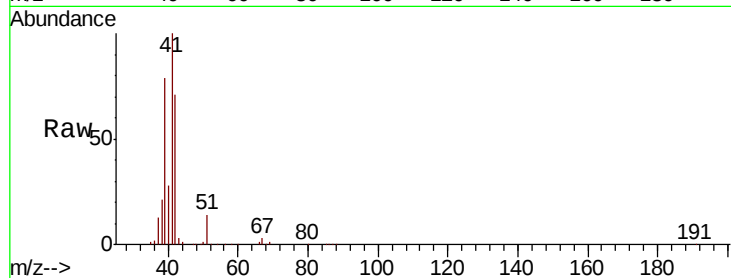
ClientSampleId :

Tot Ion: 41 Resp: 500289

Ion Ratio Lower Upper

41 100

42 70.4 56.2 84.4



#10

Heptane

Concen: 10.827 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VL035742.D

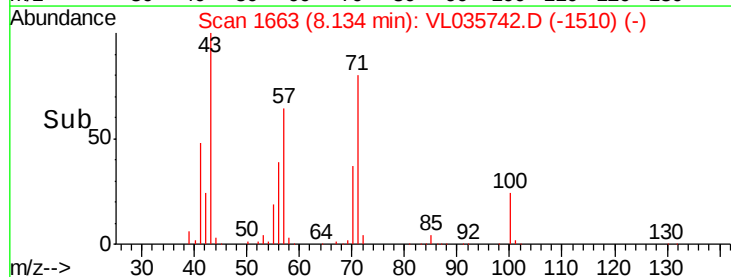
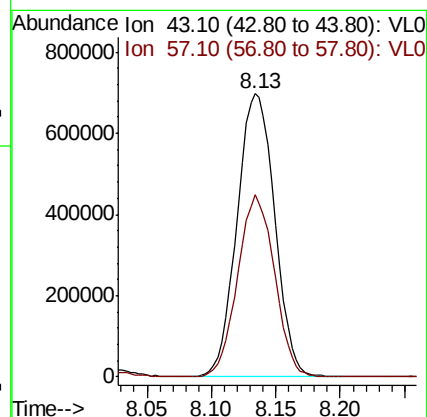
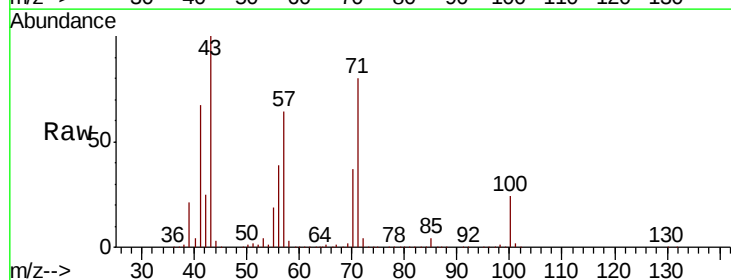
Acq: 8 Oct 2020 11:01

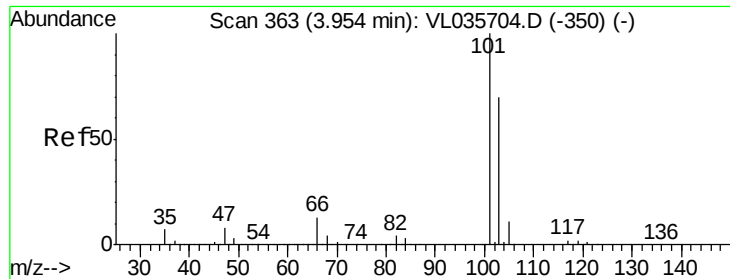
Tgt Ion: 43 Resp: 1412033

Ion Ratio Lower Upper

43 100

57 63.1 50.4 75.6

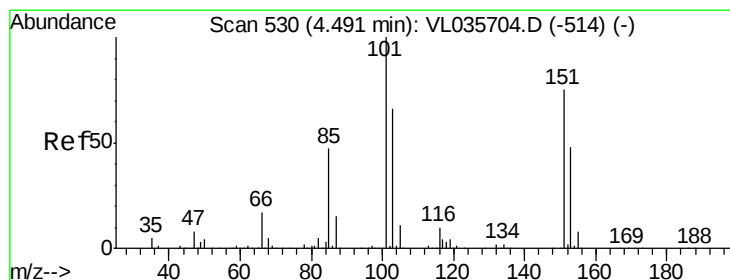
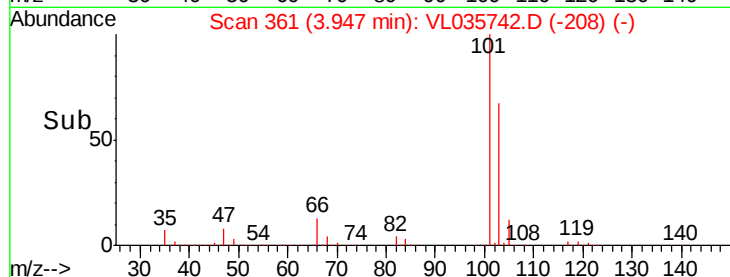
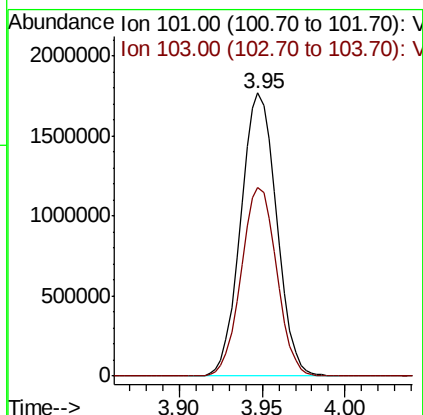
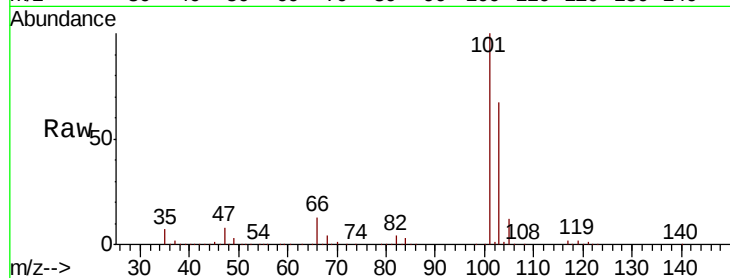




#11
 Trichlorofluoromethane
 Concen: 9.454 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

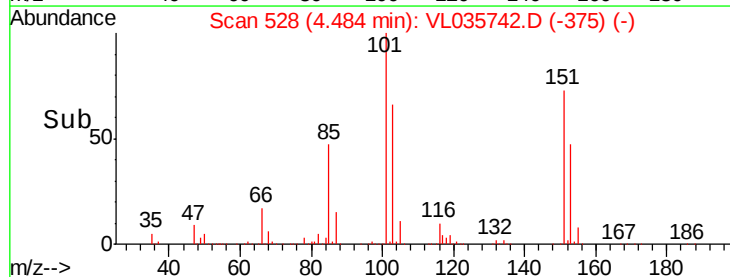
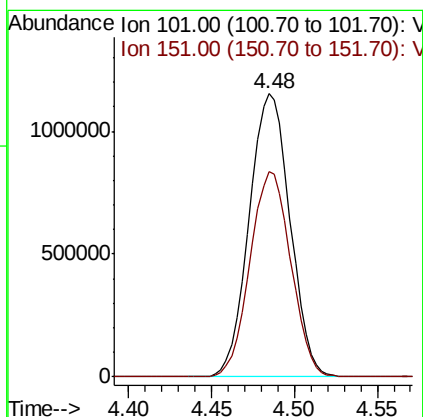
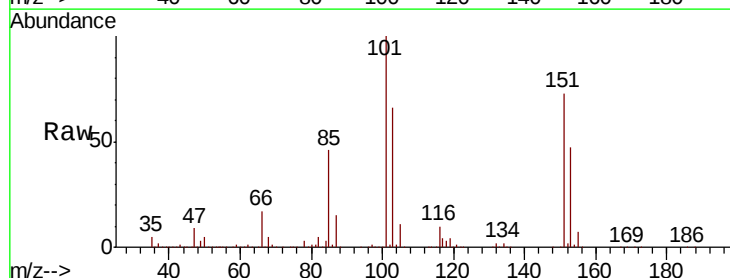
Instrument :
 MSVOA_L
 ClientSampleId :

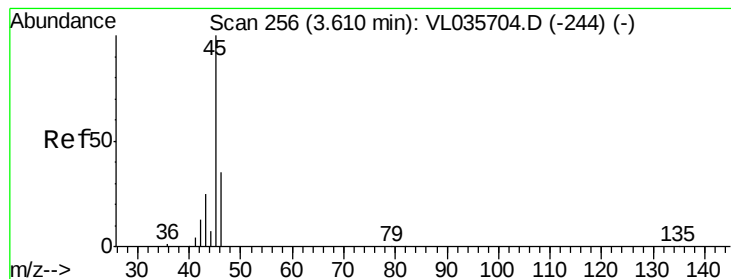
Tot Ion:101 Resp: 2650871
 Ion Ratio Lower Upper
 101 100
 103 66.8 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.440 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion:101 Resp: 1973195
 Ion Ratio Lower Upper
 101 100
 151 72.8 59.1 88.7





#13

Ethanol

Concen: 9.690 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

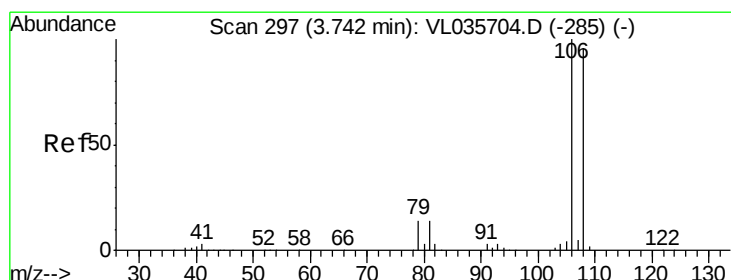
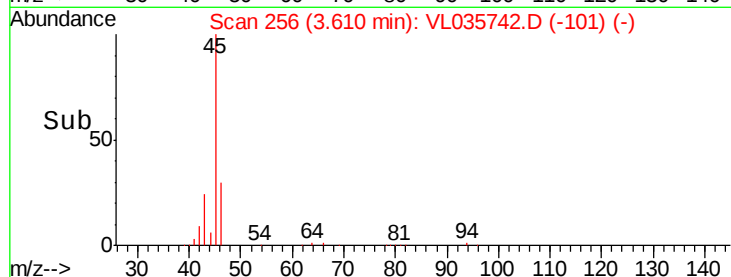
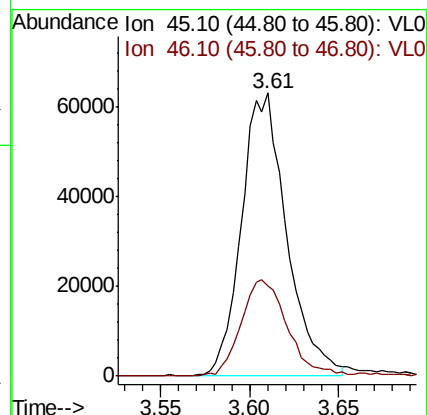
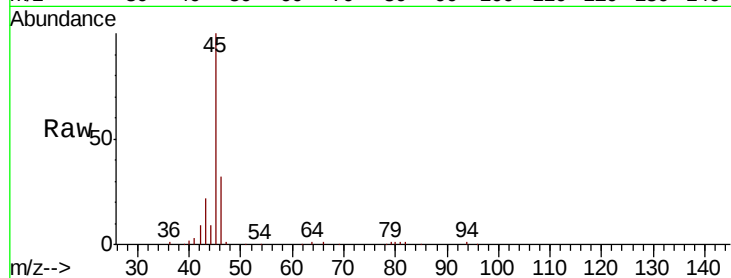
ClientSampleId :

Tot Ion: 45 Resp: 111789

Ion Ratio Lower Upper

45 100

46 35.7 14.7 58.7



#14

Bromoethene

Concen: 10.308 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

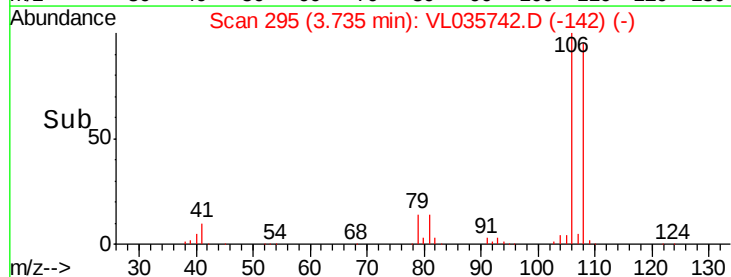
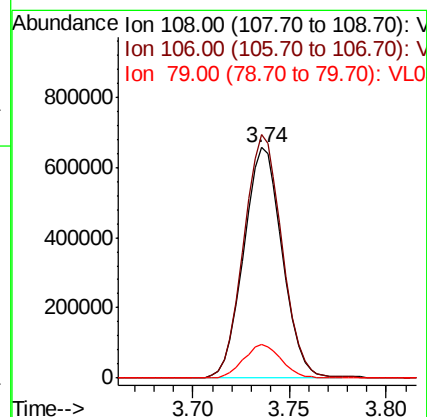
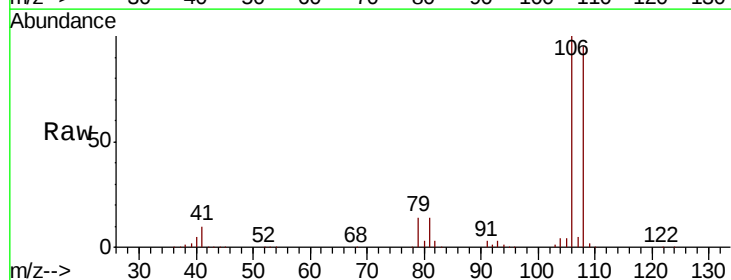
Tgt Ion: 108 Resp: 907609

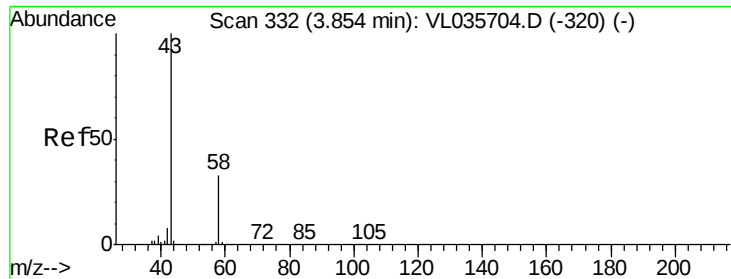
Ion Ratio Lower Upper

108 100

106 105.9 84.6 126.8

79 14.5 11.6 17.4

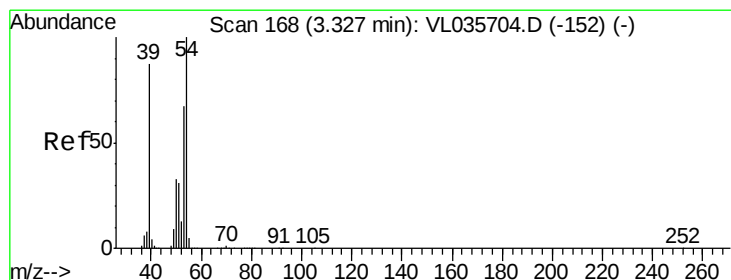
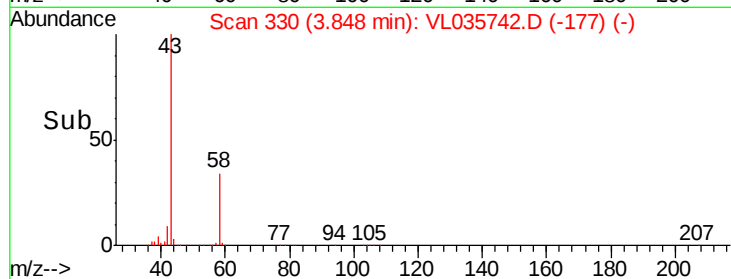
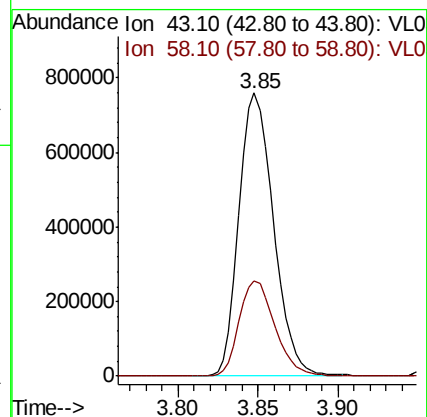
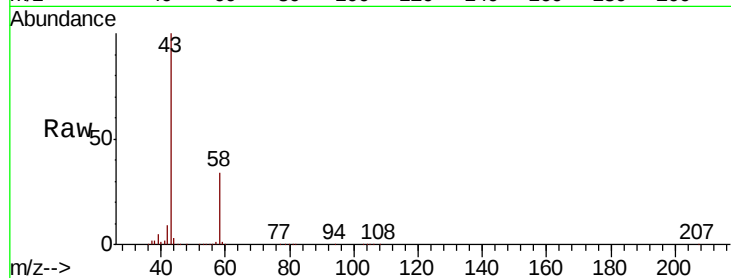




#15
Acetone
Concen: 8.673 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

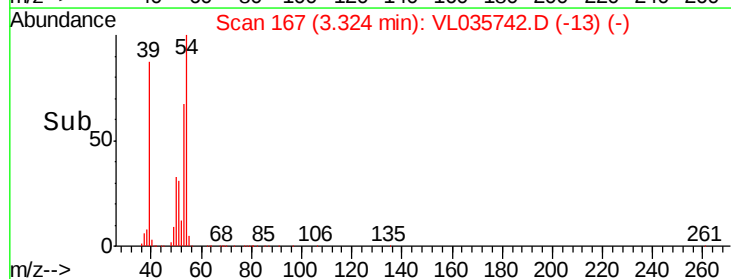
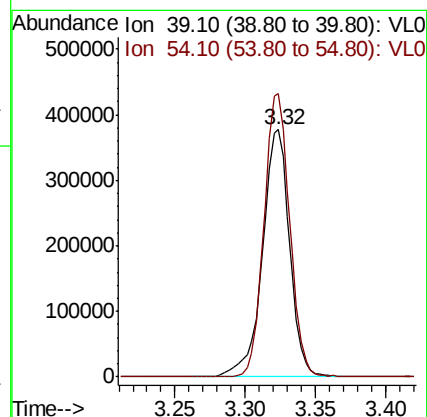
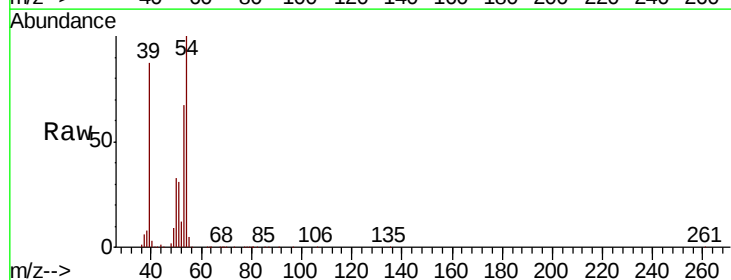
Instrument :
MSVOA_L
ClientSampled :

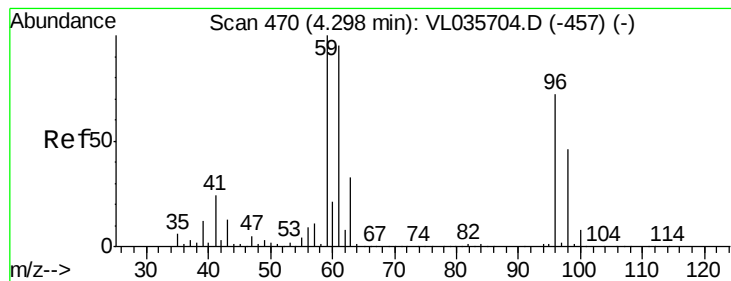
Tot Ion: 43 Resp: 1117705
Ion Ratio Lower Upper
43 100
58 34.8 27.3 40.9



#16
1,3-Butadiene
Concen: 10.773 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 39 Resp: 507940
Ion Ratio Lower Upper
39 100
54 109.1 87.4 131.0





#17

tert-Butyl alcohol

Concen: 12.169 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

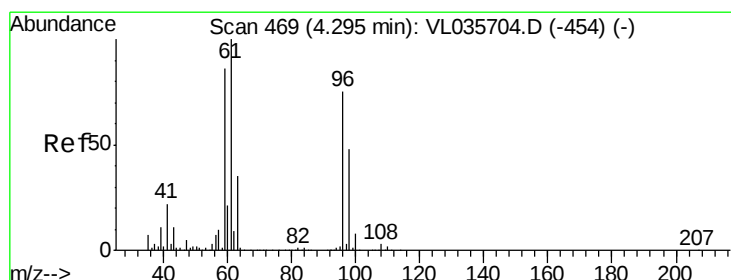
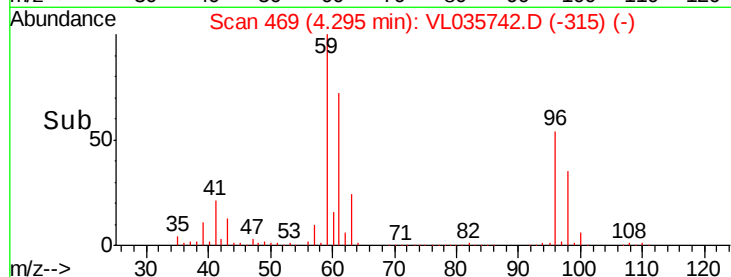
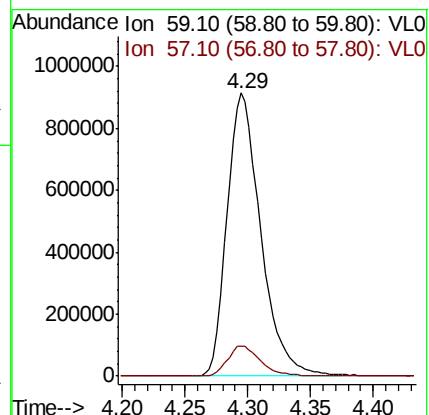
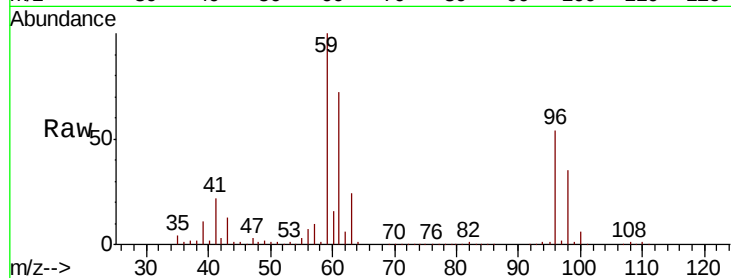
ClientSampled :

Tot Ion: 59 Resp: 1708342

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.197 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

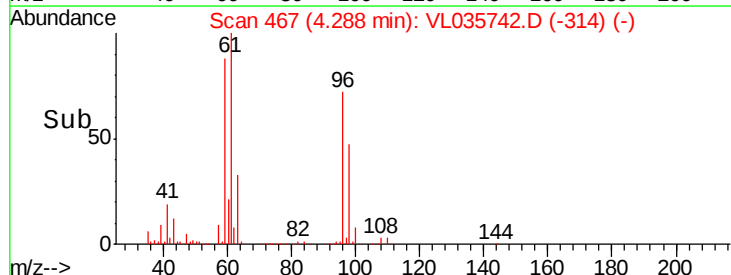
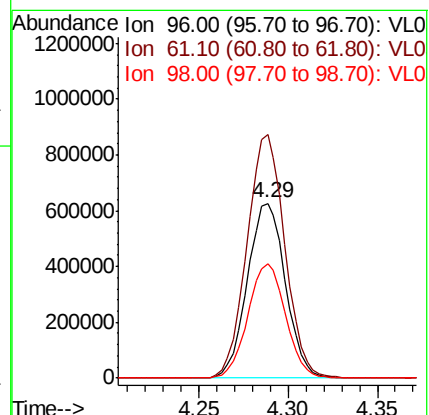
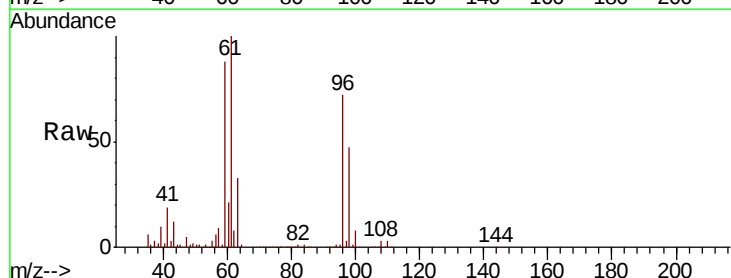
Tgt Ion: 96 Resp: 933216

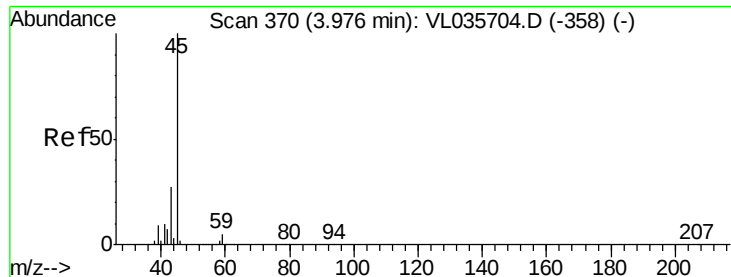
Ion Ratio Lower Upper

96 100

61 139.4 106.7 160.1

98 65.3 50.8 76.2





#19

Isopropyl Alcohol

Concen: 11.978 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

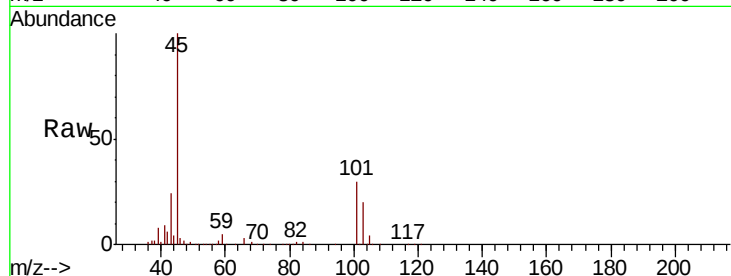
ClientSampled :

Tot Ion: 45 Resp: 839705

Ion Ratio Lower Upper

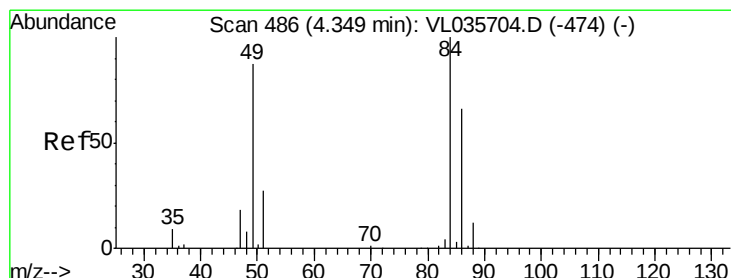
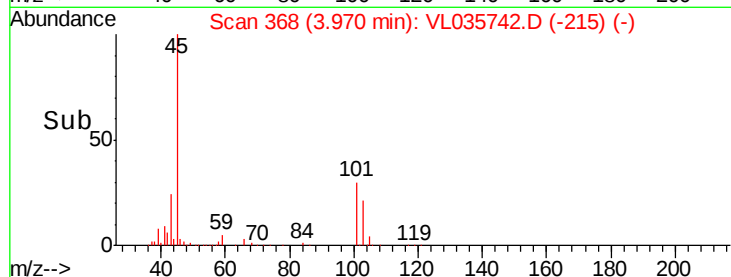
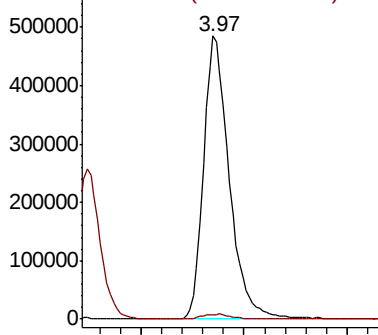
45 100

58 2.3 2.8 4.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.142 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tgt Ion: 84 Resp: 770791

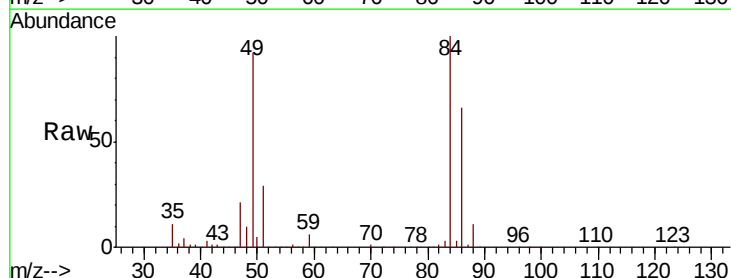
Ion Ratio Lower Upper

84 100

49 91.0 69.8 104.6

51 28.0 21.8 32.8

86 66.0 52.6 78.8

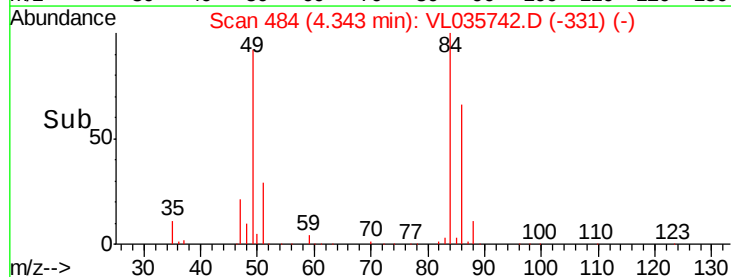
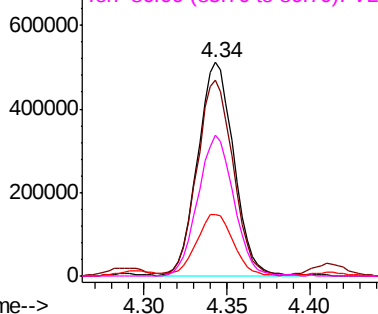


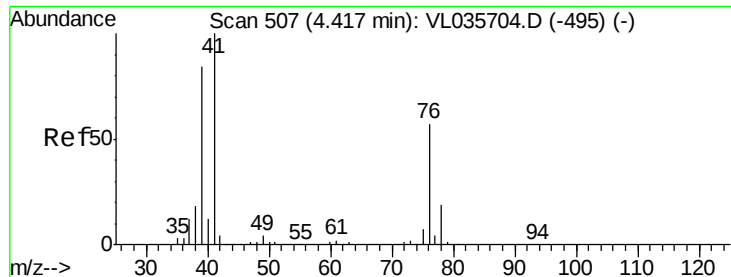
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 10.903 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

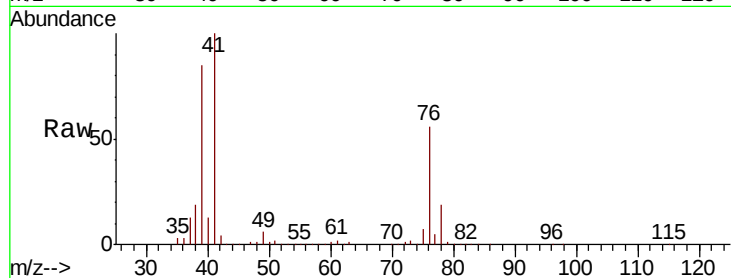
Tot Ion: 41 Resp: 681059

Ion Ratio Lower Upper

41 100

76 55.7 44.8 67.2

39 85.2 68.4 102.6

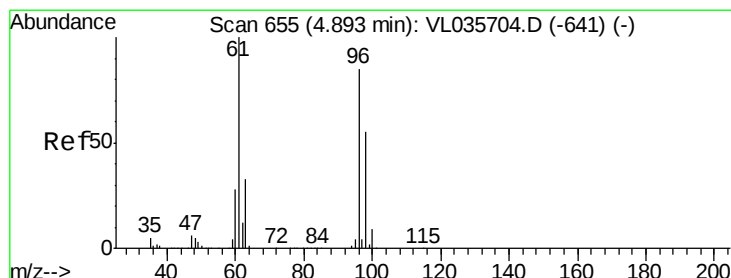
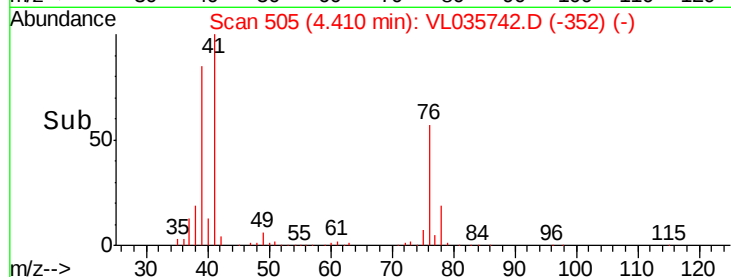
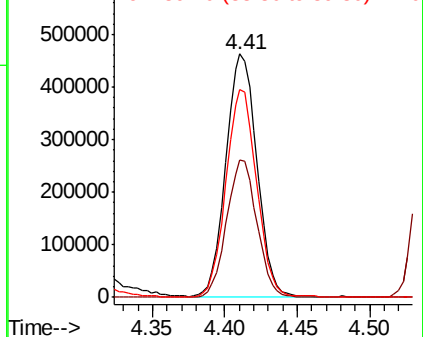


Abundance

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: 10.011 ppbv

RT: 4.89 min Scan# 653

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

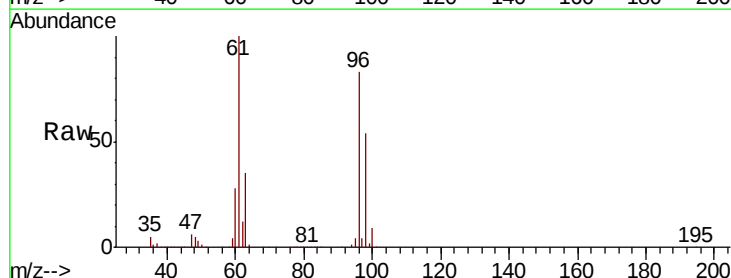
Tgt Ion: 96 Resp: 967927

Ion Ratio Lower Upper

96 100

61 120.8 93.7 140.5

98 64.7 51.2 76.8

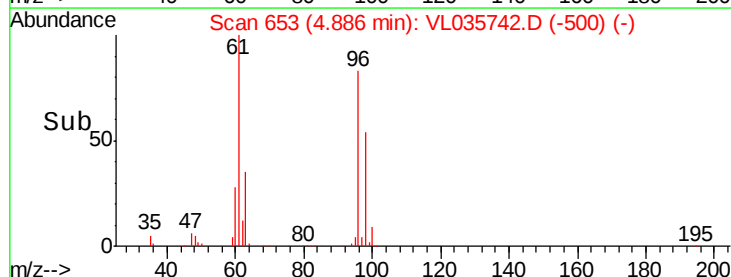
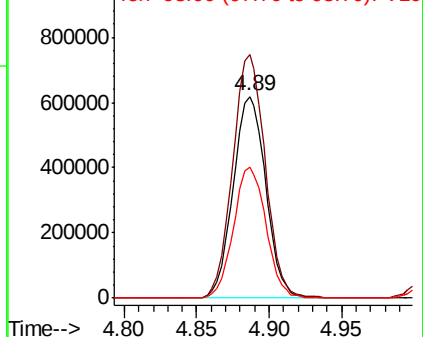


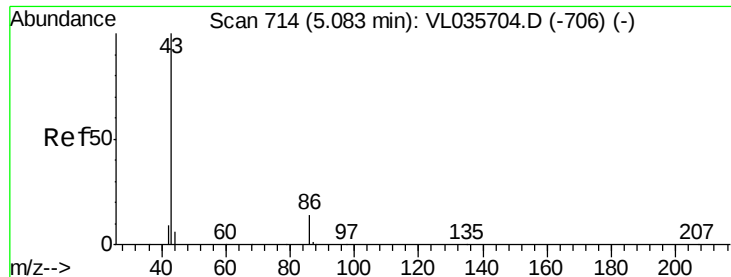
Abundance

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: 11.440 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

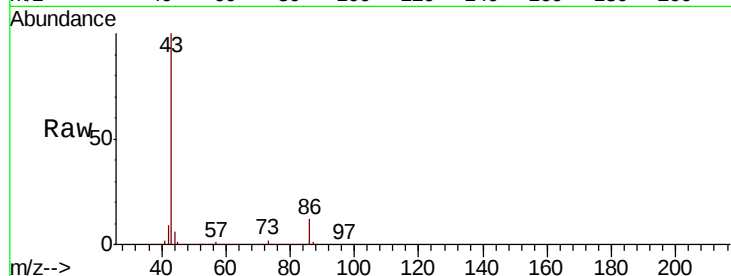
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1805750

Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.7	14.5
42	9.4	7.9	11.9
44	5.9	4.8	7.2

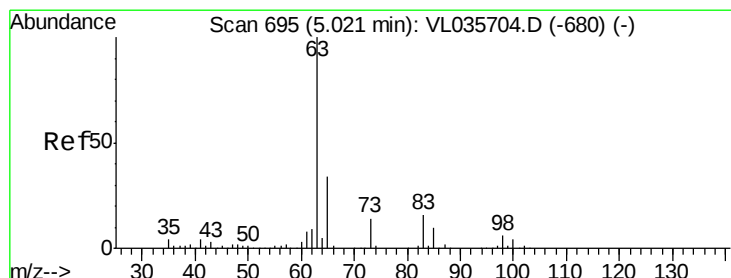
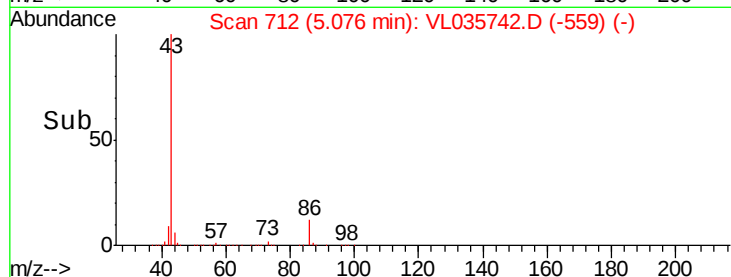
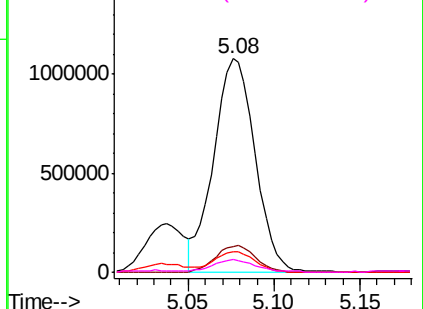


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.046 ppbv

RT: 5.01 min Scan# 693

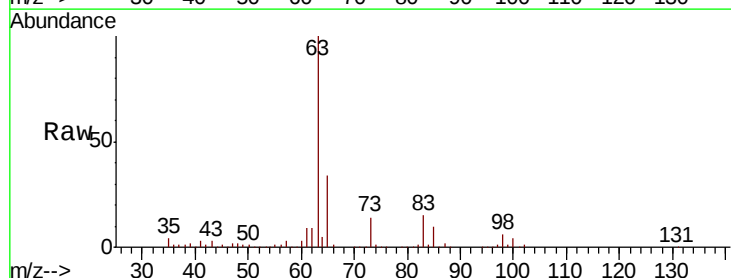
Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tgt Ion: 63 Resp: 1727282

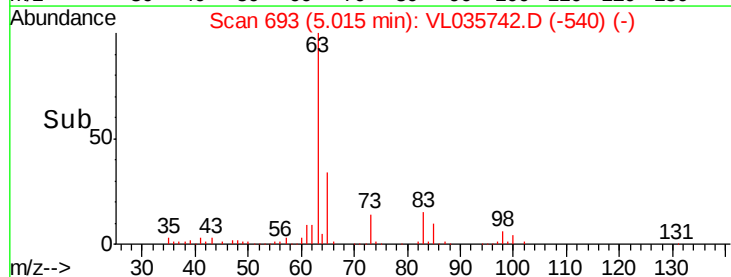
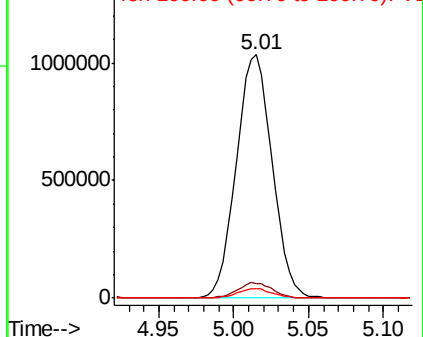
Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.3	9.8
100	3.8	2.0	5.8

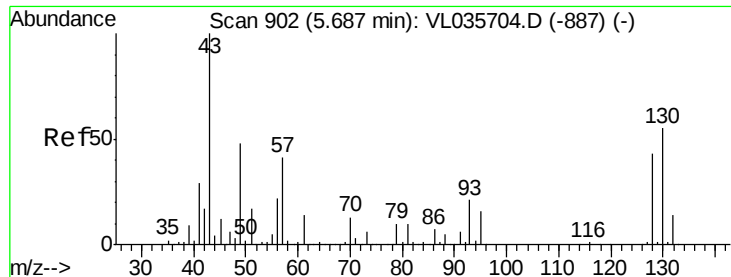


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



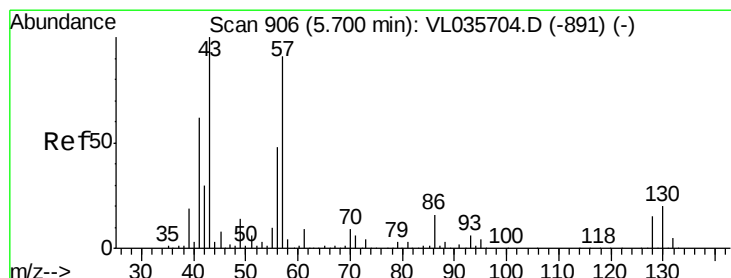
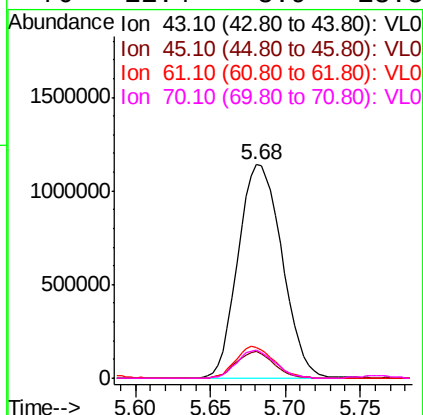
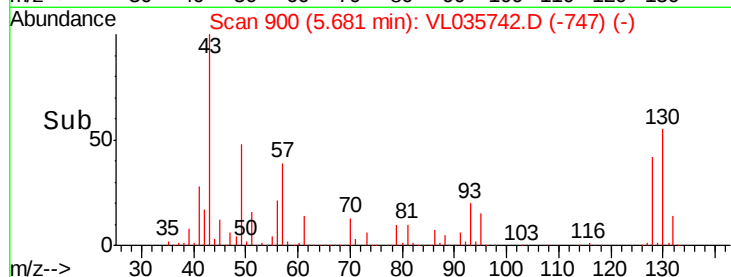
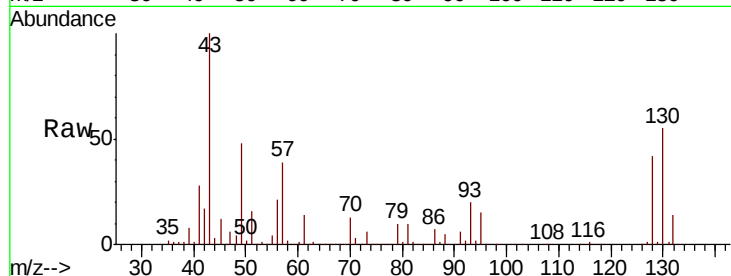


#25
Ethyl Acetate
Concen: 10.057 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2332244

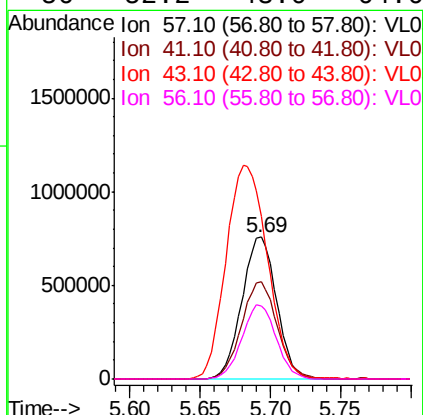
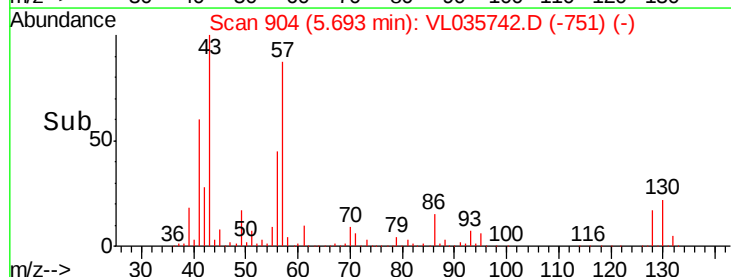
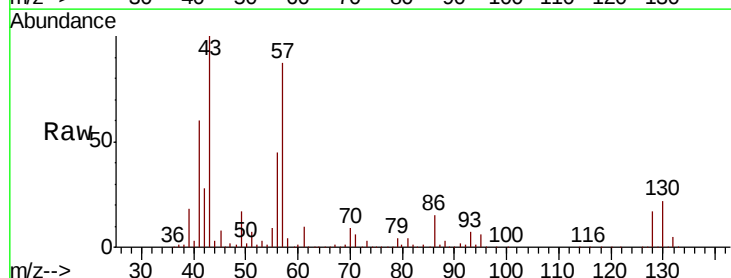
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.6	12.8
61	13.0	10.4	15.6
70	11.4	8.9	13.3

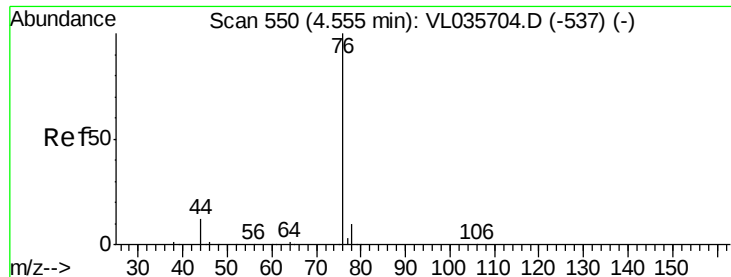


#26
Hexane
Concen: 10.262 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 57 Resp: 1304096

Ion	Ratio	Lower	Upper
57	100		
41	71.8	57.9	86.9
43	179.9	143.8	215.6
56	52.2	43.0	64.6





#27

Carbon Disulfide

Concen: 10.994 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

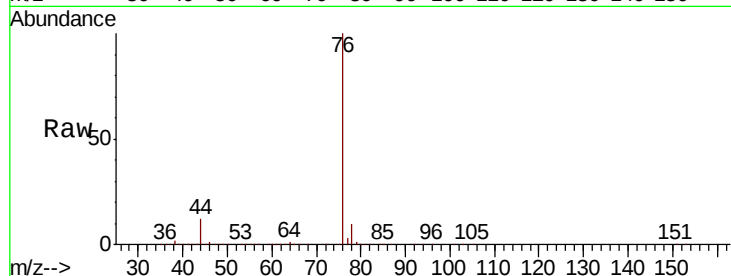
Tot Ion: 76 Resp: 2082266

Ion Ratio Lower Upper

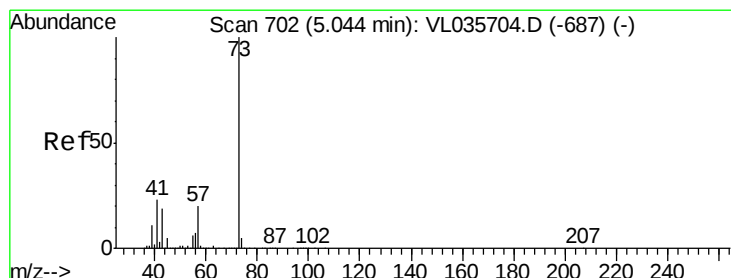
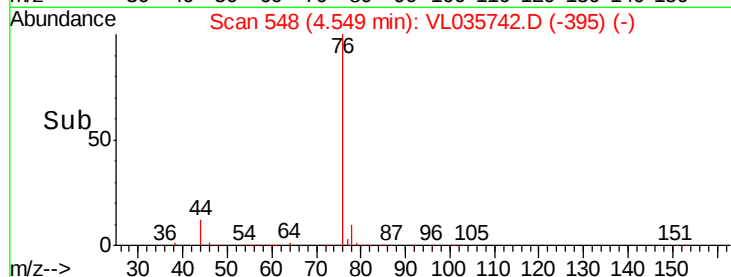
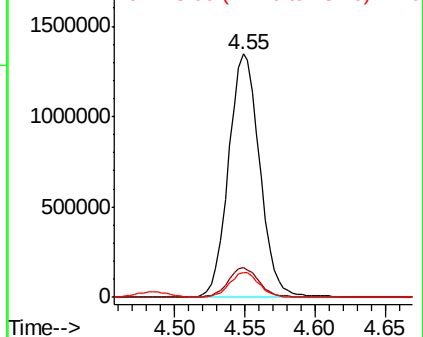
76 100

44 12.0 9.7 14.5

78 9.7 7.8 11.8



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: 11.720 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.01 min

Lab File: VL035742.D

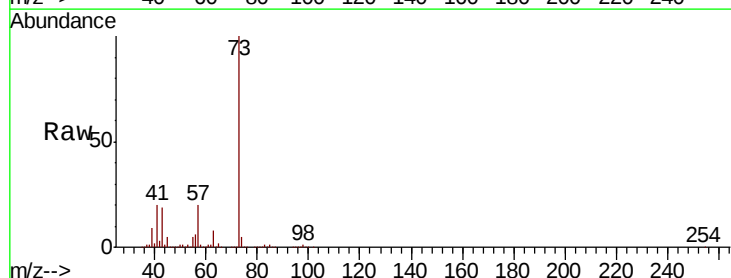
Acq: 8 Oct 2020 11:01

Tgt Ion: 73 Resp: 2360742

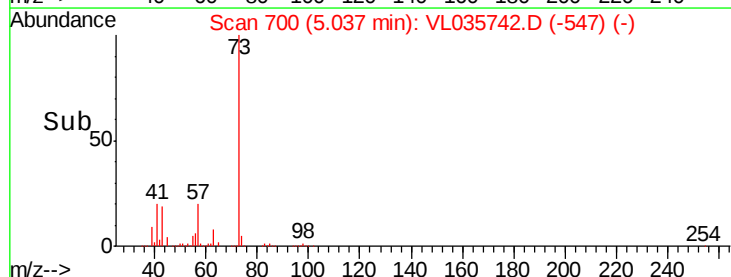
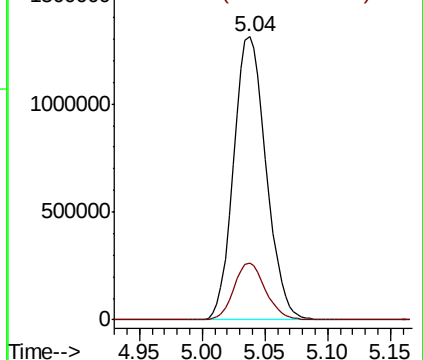
Ion Ratio Lower Upper

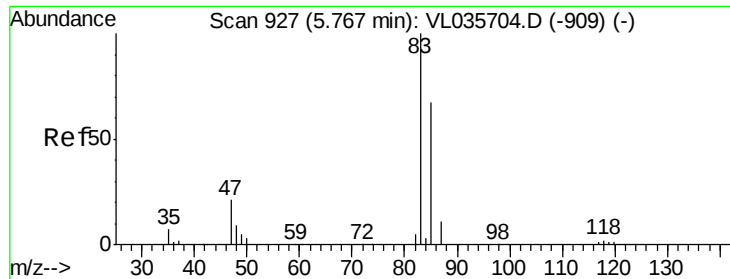
73 100

57 19.6 15.6 23.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

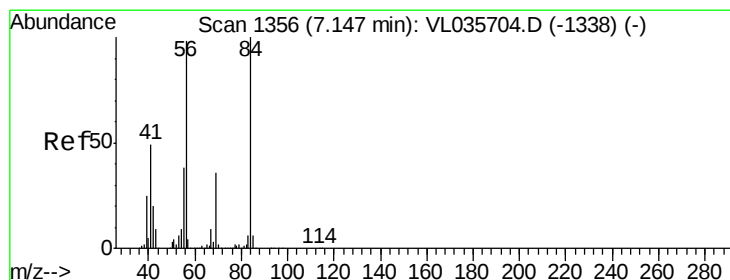
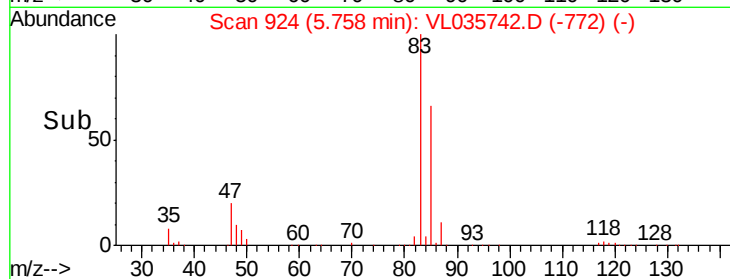
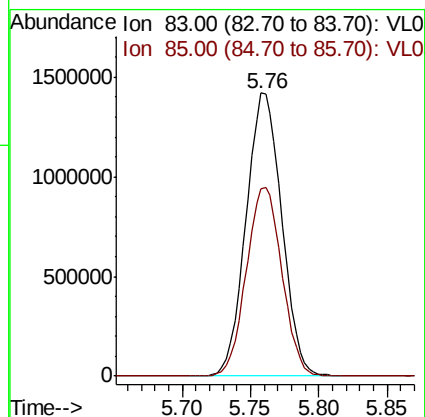
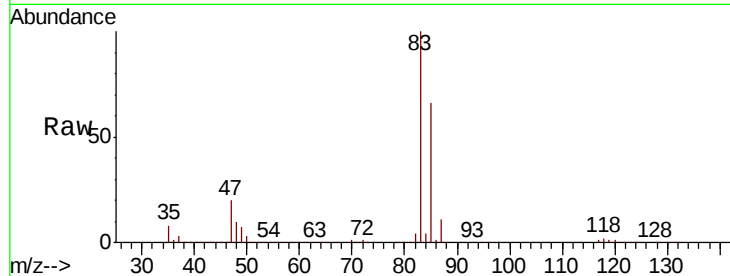




#29
Chloroform
Concen: 9.993 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

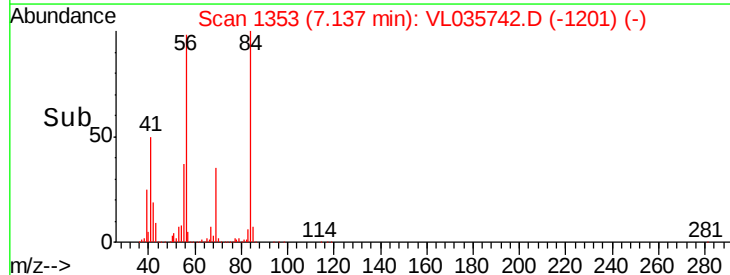
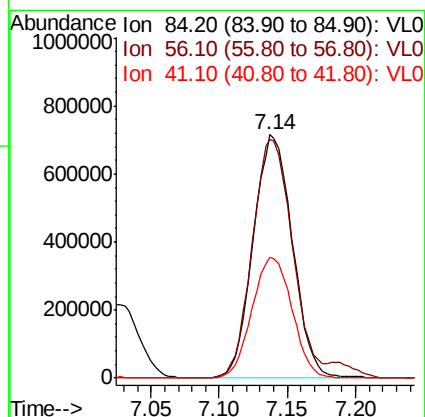
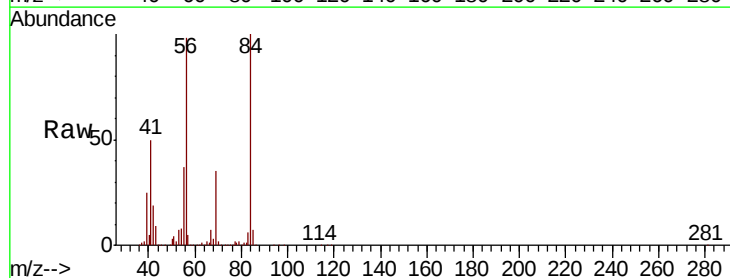
Instrument :
MSVOA_L
ClientSampleId :

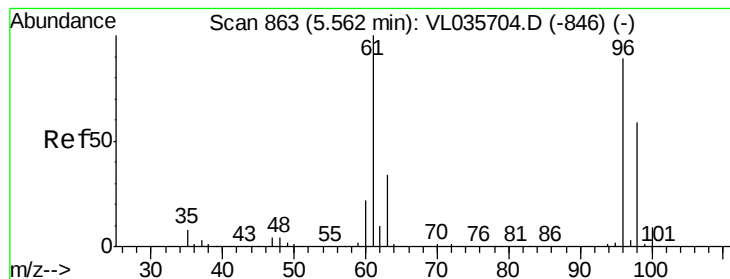
Tot Ion: 83 Resp: 2578848
Ion Ratio Lower Upper
83 100
85 65.8 54.0 81.0



#30
Cyclohexane
Concen: 11.380 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 84 Resp: 1426782
Ion Ratio Lower Upper
84 100
56 104.9 84.6 127.0
41 50.9 41.1 61.7



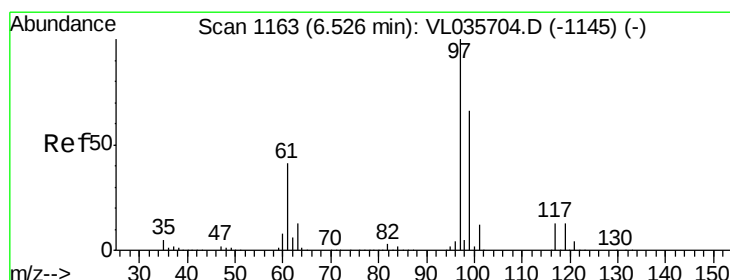
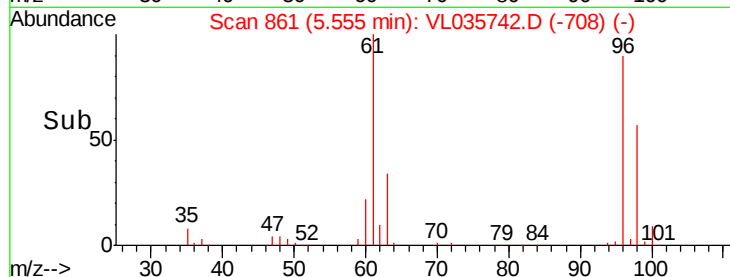
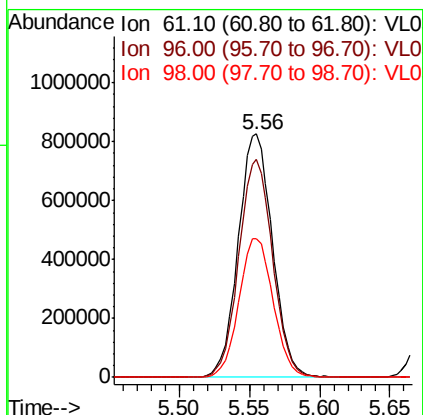
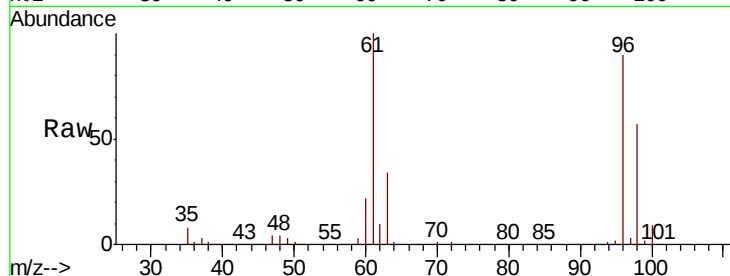


#31

cis-1,2-Dichloroethene
Concen: 11.463 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampled :

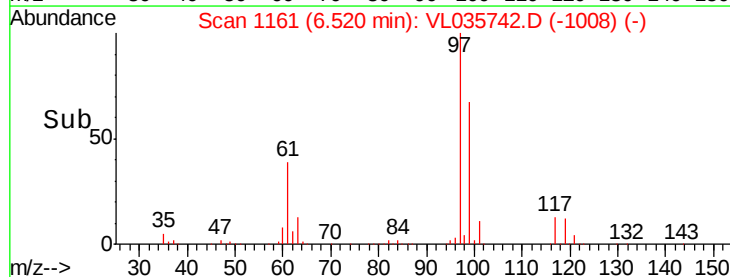
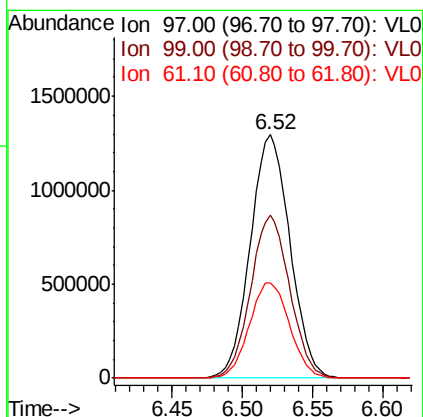
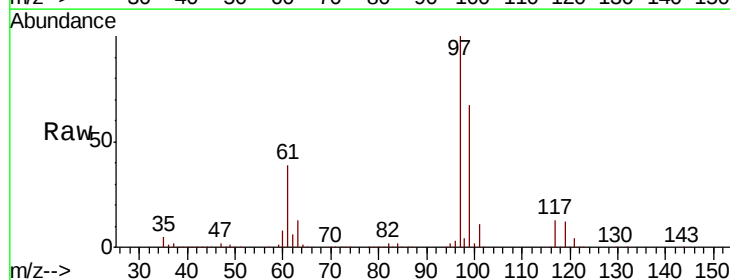
Tot Ion: 61 Resp: 1406103
Ion Ratio Lower Upper
61 100
96 89.7 71.4 107.2
98 57.0 47.4 71.2

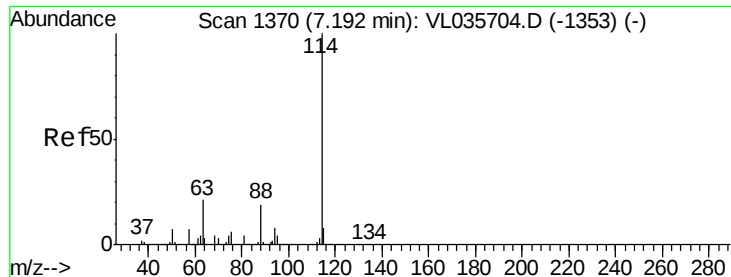


#32

1,1,1-Trichloroethane
Concen: 11.196 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 97 Resp: 2546905
Ion Ratio Lower Upper
97 100
99 66.0 52.7 79.1
61 39.9 32.7 49.1

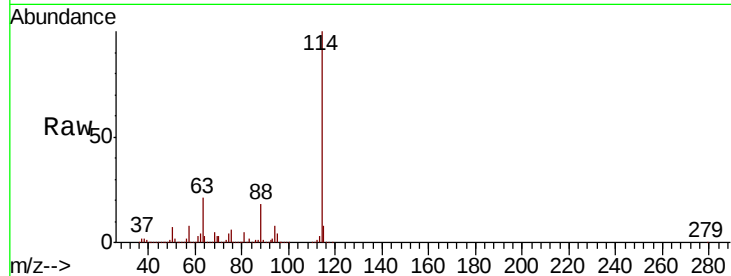




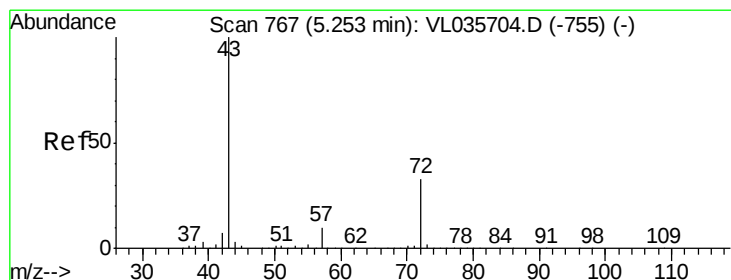
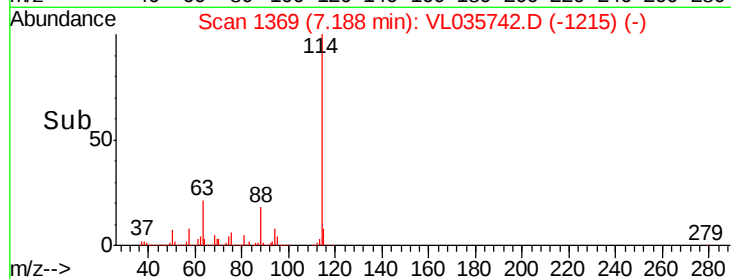
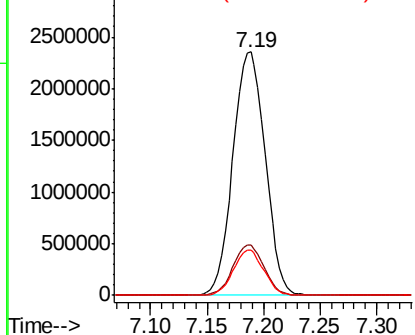
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4691578
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.1 24.1
 88 17.5 14.1 21.1

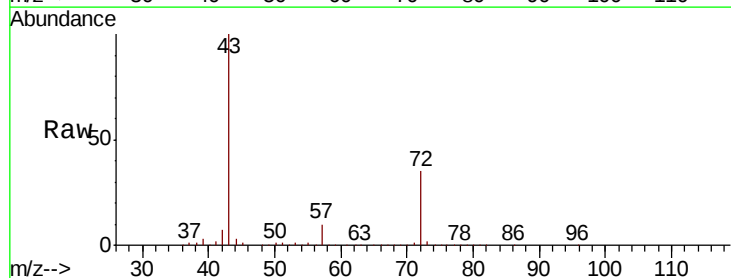


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

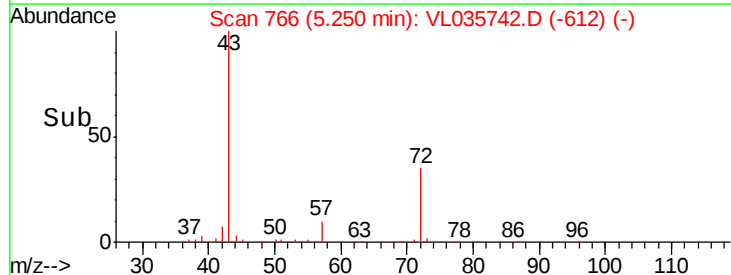
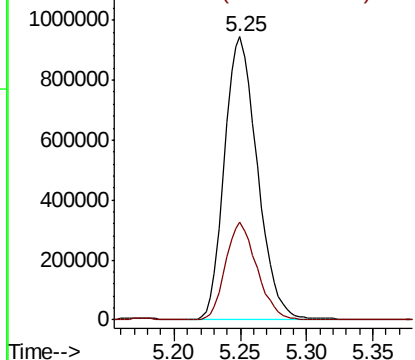


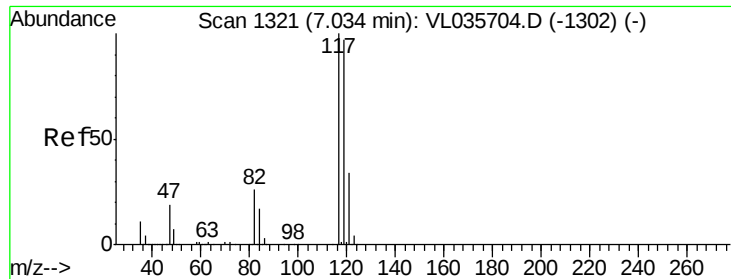
#34
 2-Butanone
 Concen: 10.504 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion: 43 Resp: 1629919
 Ion Ratio Lower Upper
 43 100
 72 33.0 26.1 39.1



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

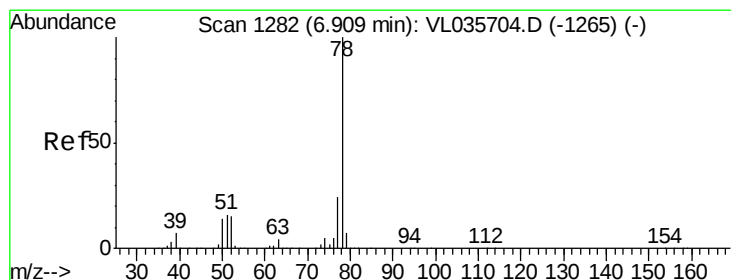
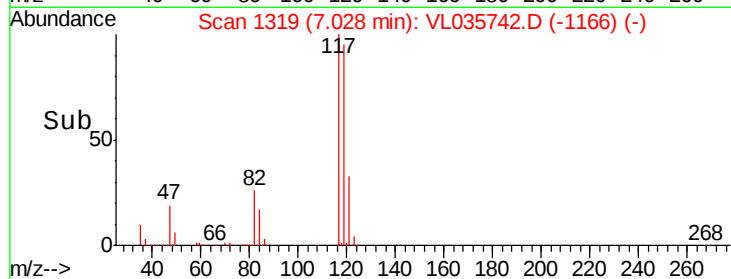
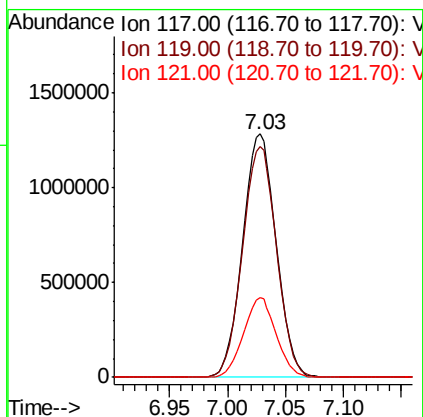
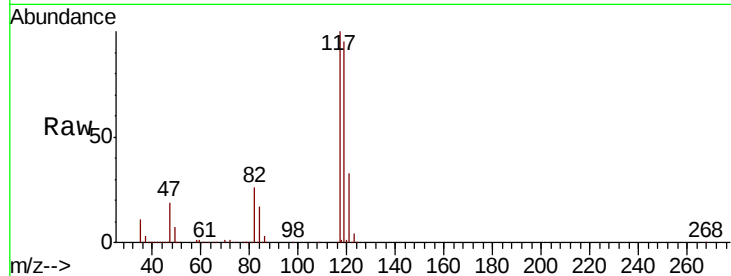




#35
Carbon Tetrachloride
Concen: 10.537 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

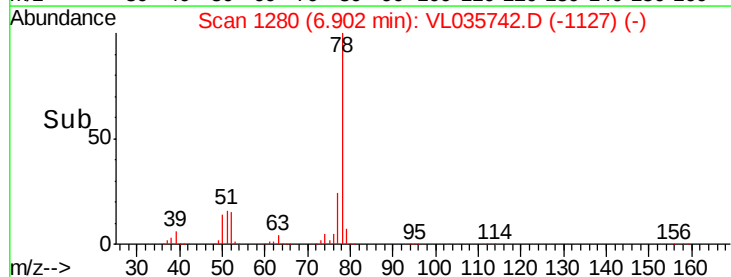
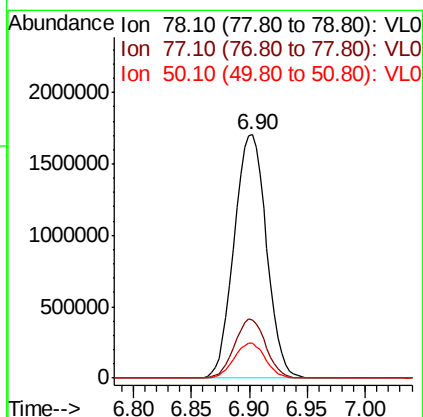
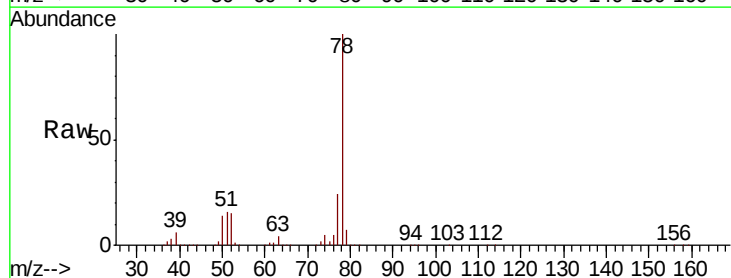
Instrument :
MSVOA_L
ClientSampleId :

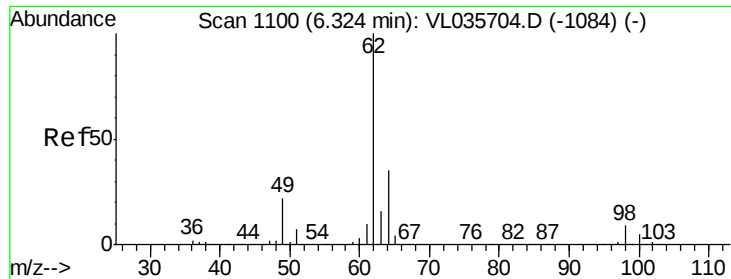
Tot Ion:117 Resp: 2577525
Ion Ratio Lower Upper
117 100
119 94.7 77.7 116.5
121 32.5 26.9 40.3



#36
Benzene
Concen: 10.779 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 78 Resp: 3295137
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9
50 14.4 11.6 17.4

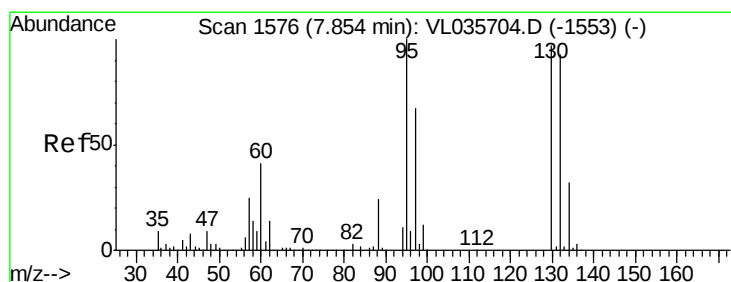
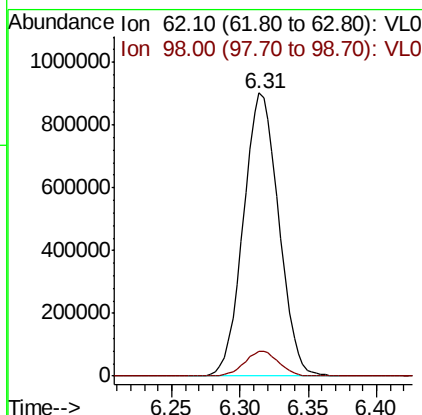
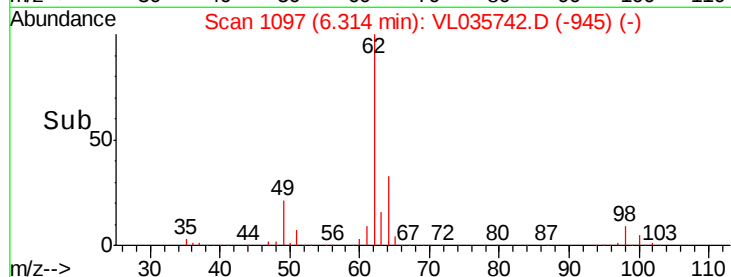
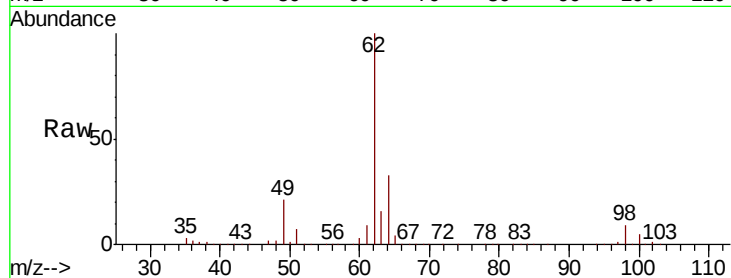




#37
 1,2-Dichloroethane
 Concen: 10.184 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

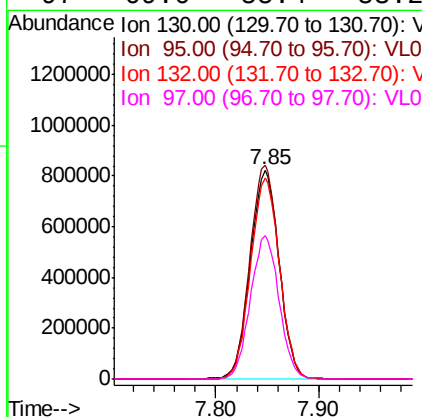
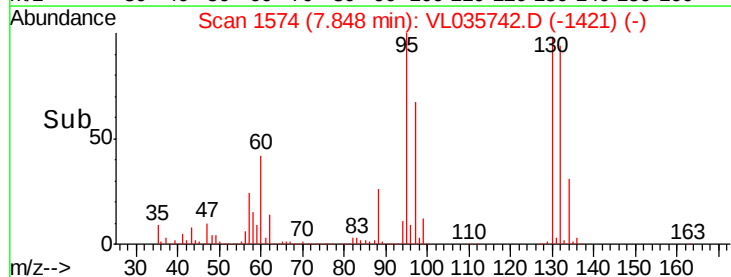
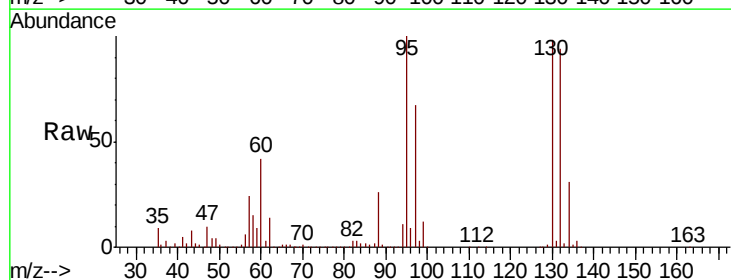
Instrument :
 MSVOA_L
 ClientSampled :

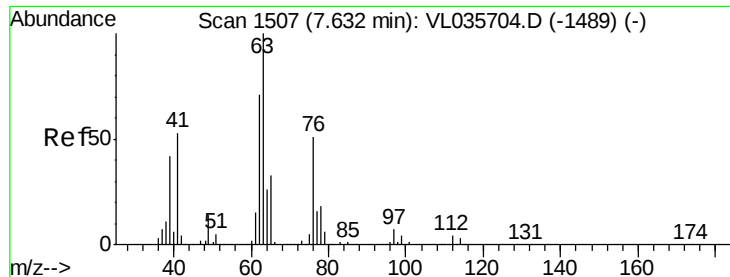
Tot Ion: 62 Resp: 1622639
 Ion Ratio Lower Upper
 62 100
 98 8.7 6.9 10.3



#38
 Trichloroethene
 Concen: 10.518 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion:130 Resp: 1604041
 Ion Ratio Lower Upper
 130 100
 95 102.4 82.4 123.6
 132 96.2 76.8 115.2
 97 69.0 55.4 83.2



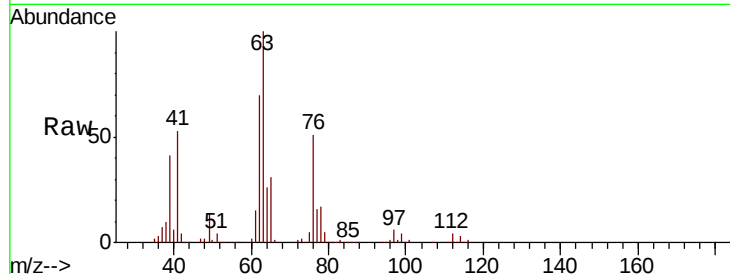


#39
 1,2-Dichloropropane
 Concen: 10.260 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

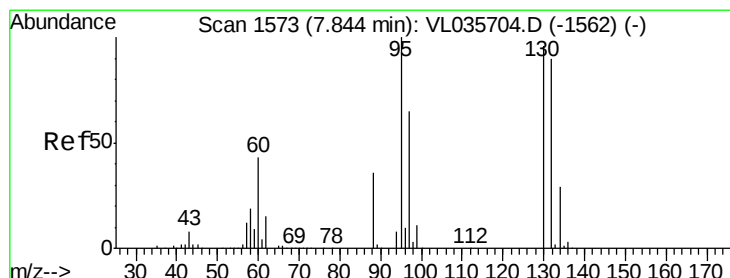
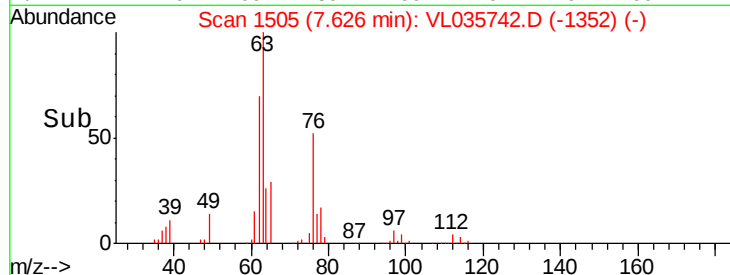
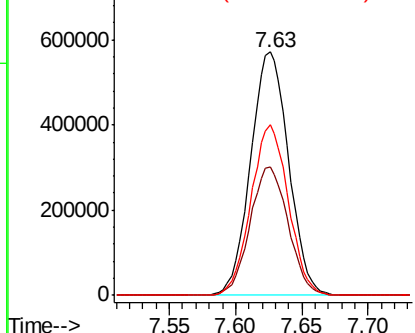
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1136842

Ion	Ratio	Lower	Upper
63	100		
41	52.8	42.6	63.8
62	70.1	56.5	84.7



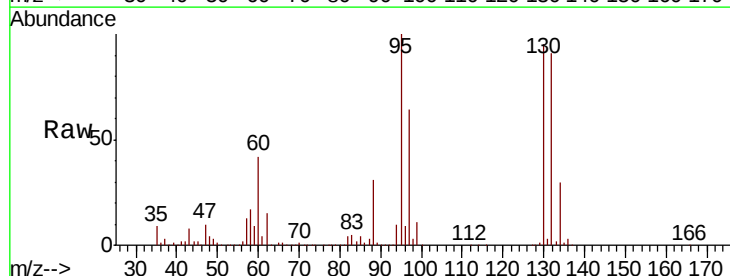
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0



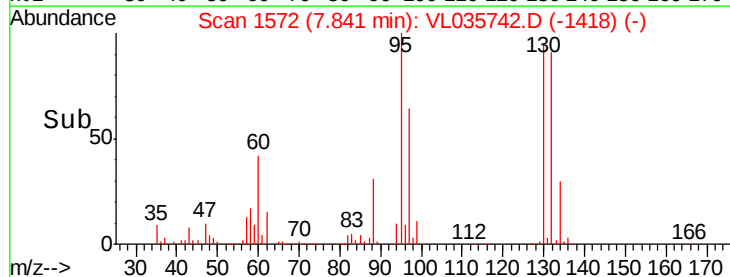
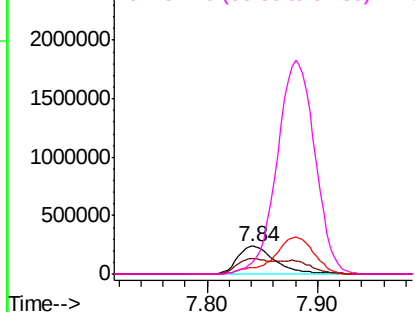
#40
 1,4-Dioxane
 Concen: 11.086 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

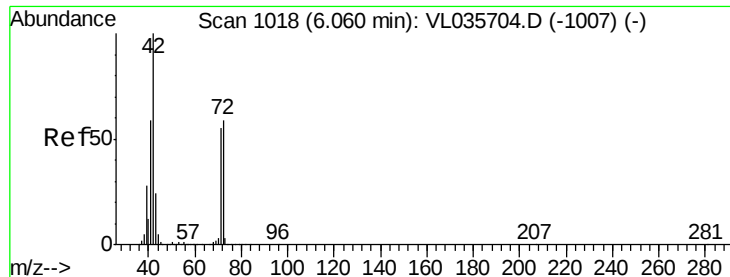
Tgt Ion: 88 Resp: 561777

Ion	Ratio	Lower	Upper
88	100		
58	92.5	76.2	114.4
43	147.1	123.4	185.2
57	777.9	652.5	978.7



Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.754 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

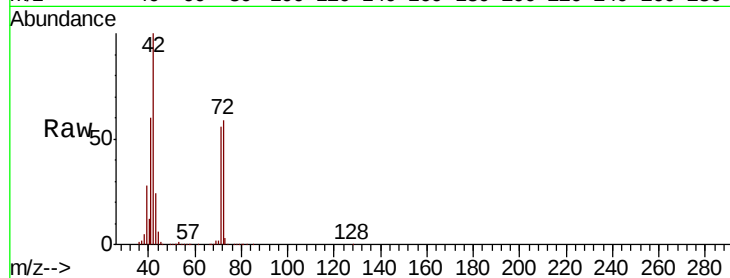
Tot Ion: 42 Resp: 918921

Ion Ratio Lower Upper

42 100

72 58.3 46.2 69.4

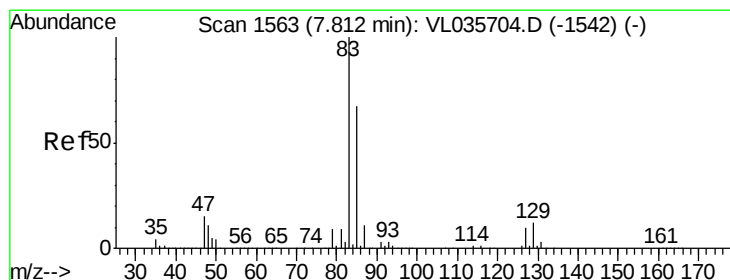
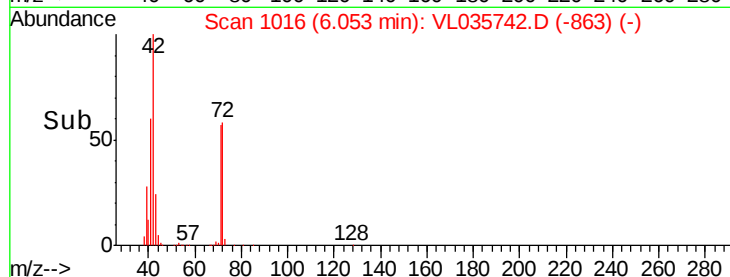
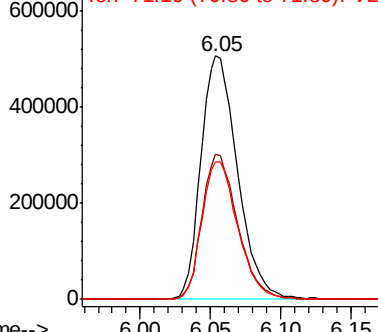
71 56.0 44.2 66.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.575 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

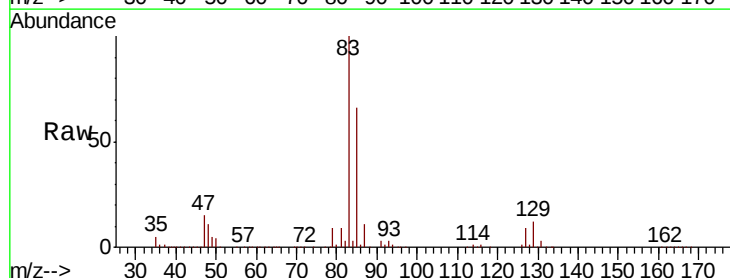
Tgt Ion: 83 Resp: 2714184

Ion Ratio Lower Upper

83 100

85 65.9 53.4 80.0

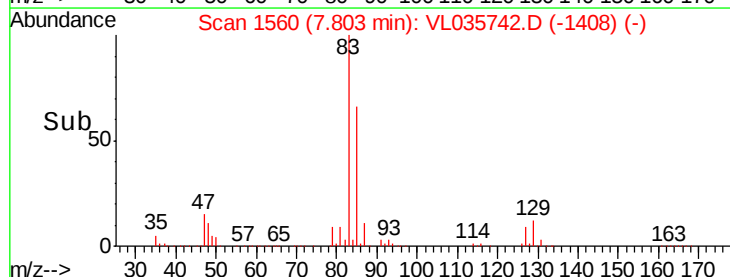
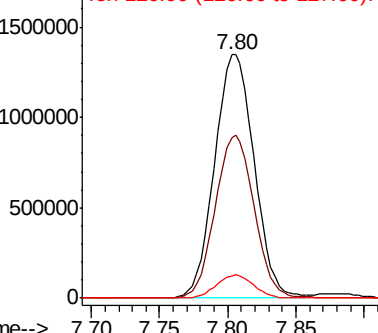
127 9.0 7.8 11.6

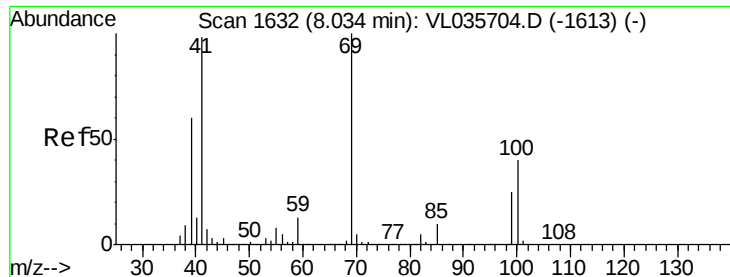


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

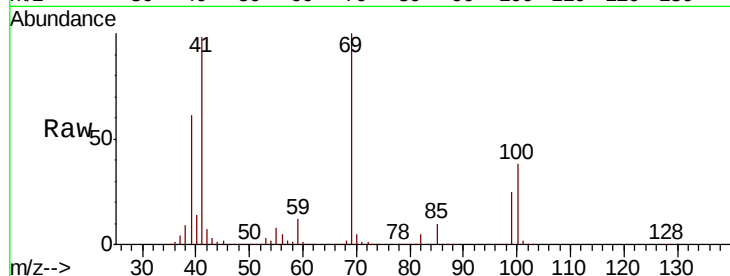




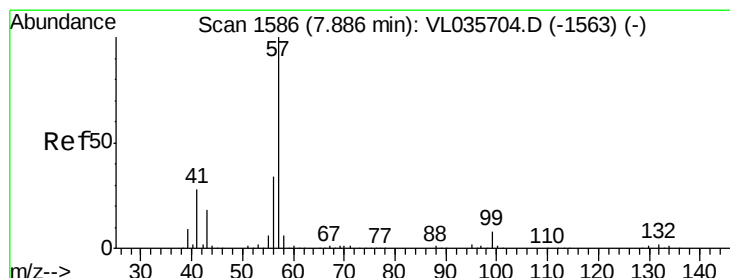
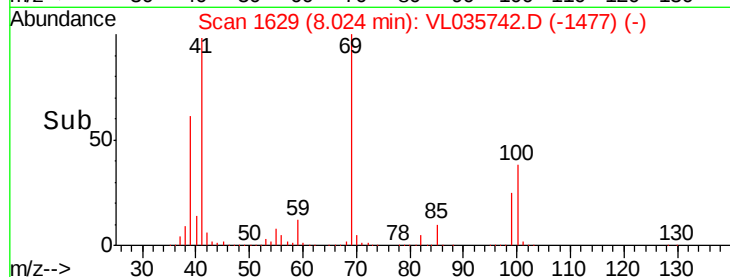
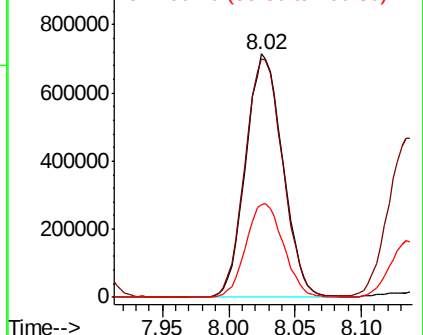
#43
Methvl Methacrilate
Concen: 11.393 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1385134
Ion Ratio Lower Upper
69 100
41 100.1 79.8 119.6
100 39.1 30.6 46.0

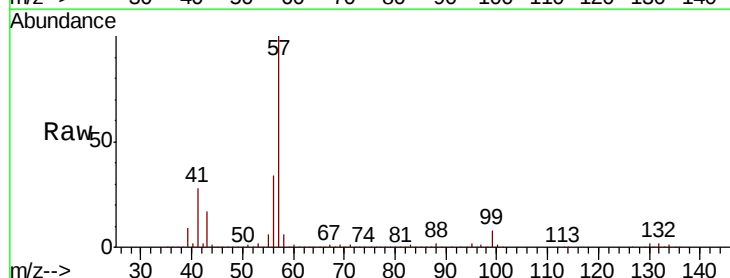


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

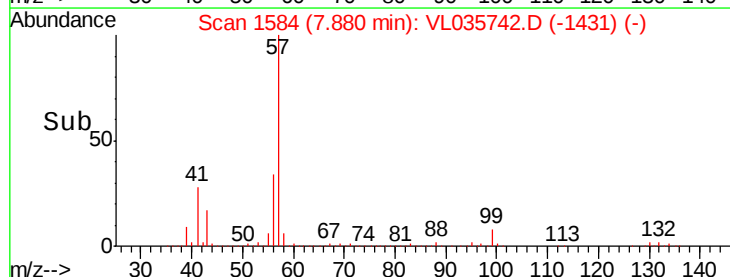
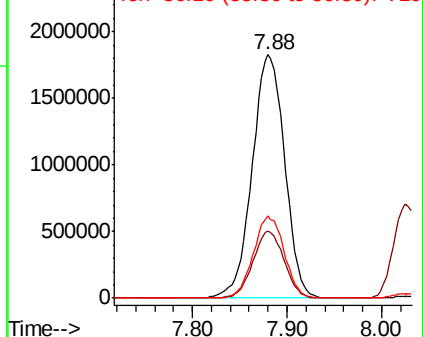


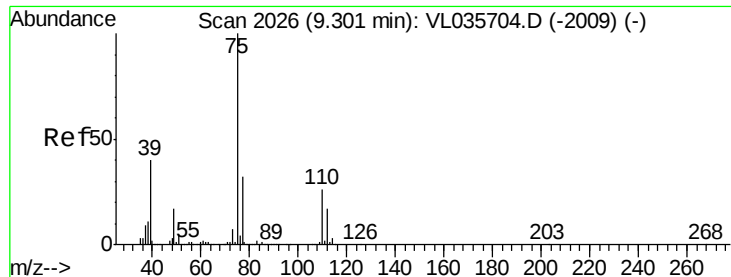
#44
2,2,4-Trimethylpentane
Concen: 9.954 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 57 Resp: 4366486
Ion Ratio Lower Upper
57 100
41 26.3 21.2 31.8
56 32.0 25.8 38.8



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

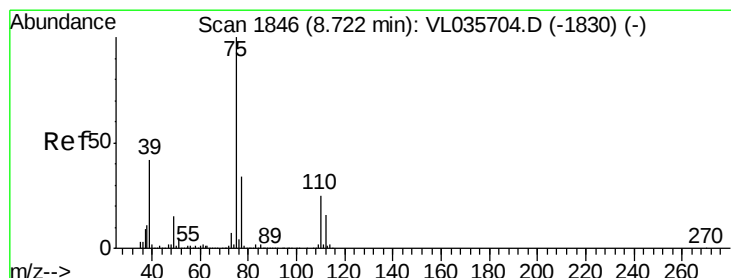
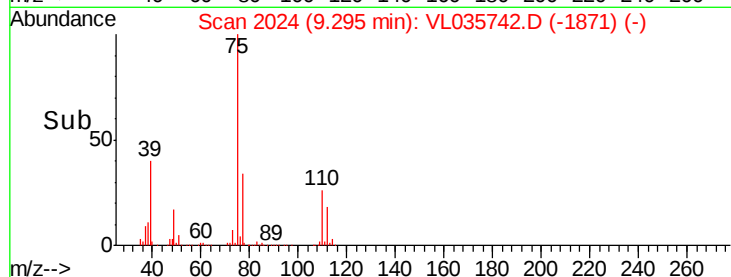
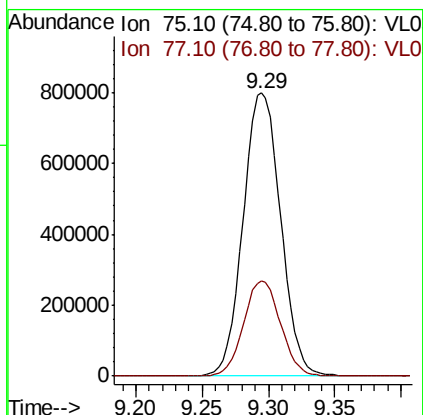
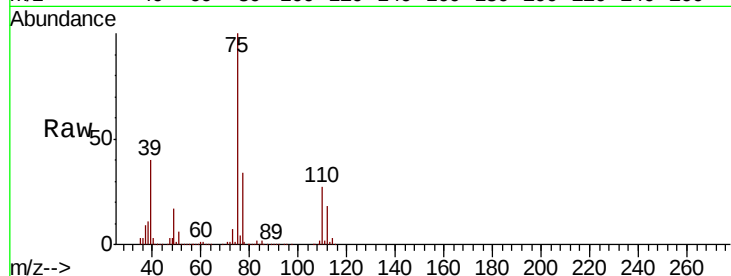




#45
t-1,3-Dichloropropene
Concen: 12.812 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

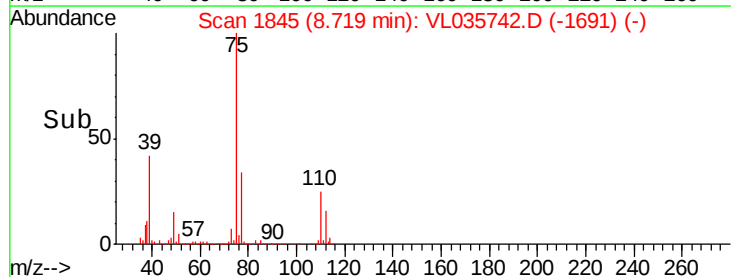
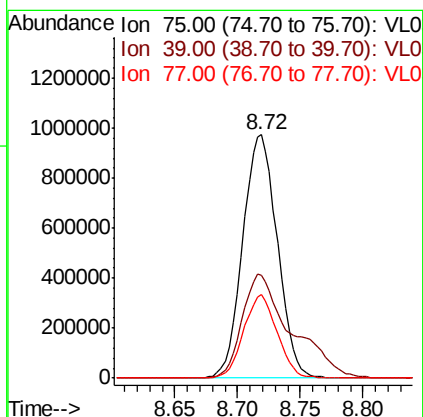
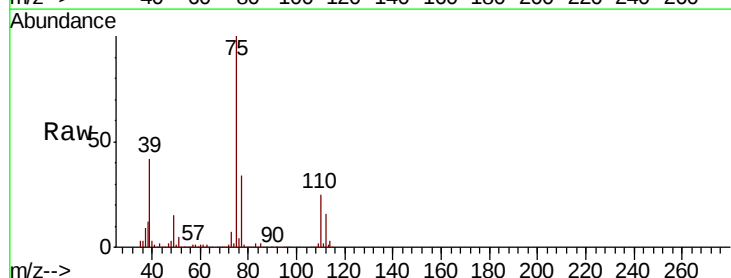
Instrument :
MSVOA_L
ClientSampleId :

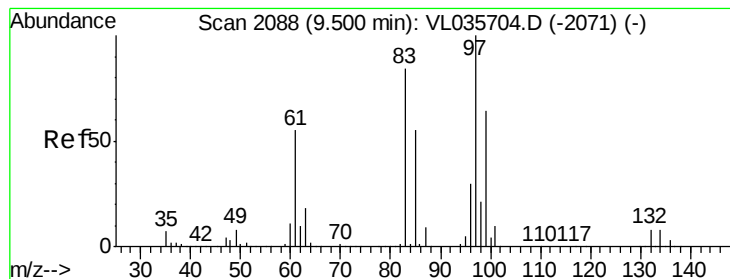
Tot Ion: 75 Resp: 1572656
Ion Ratio Lower Upper
75 100
77 33.7 25.9 38.9



#46
cis-1,3-Dichloropropene
Concen: 12.348 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 75 Resp: 1868321
Ion Ratio Lower Upper
75 100
39 42.1 33.9 50.9
77 34.4 27.4 41.0





#47

1,1,2-Trichloroethane

Concen: 9.979 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1583824

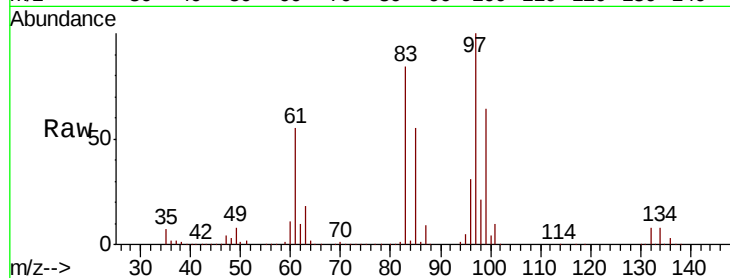
Ion Ratio Lower Upper

97 100

83 84.4 67.1 100.7

85 55.3 43.9 65.9

99 64.3 51.3 76.9

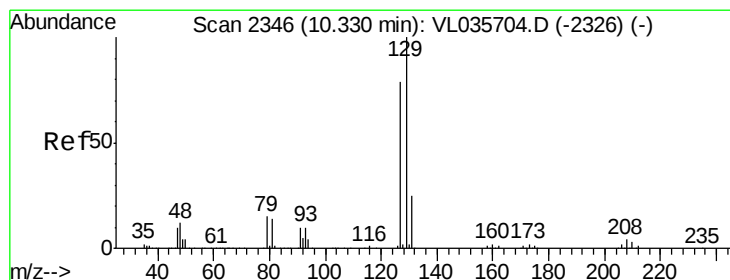
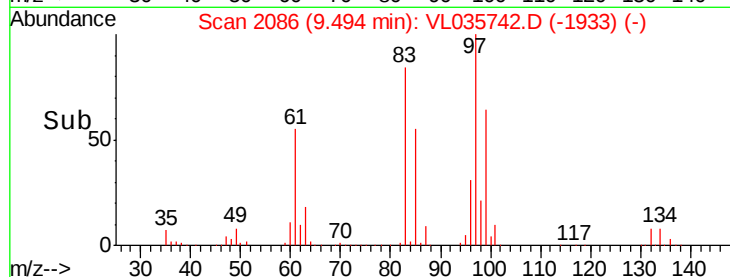
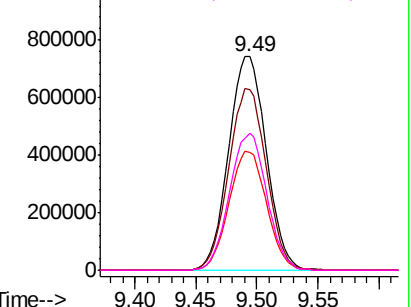


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.952 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. -0.01 min

Lab File: VL035742.D

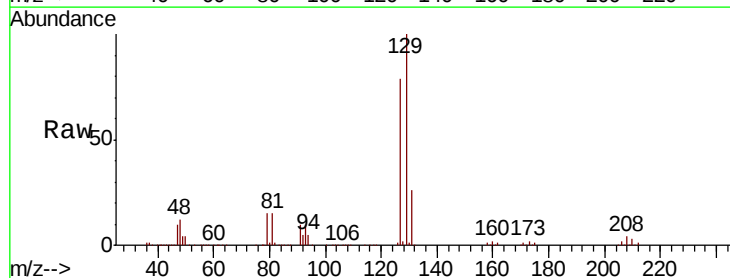
Acq: 8 Oct 2020 11:01

Tgt Ion:129 Resp: 2645354

Ion Ratio Lower Upper

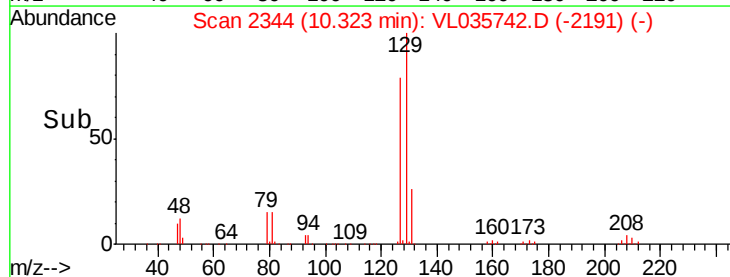
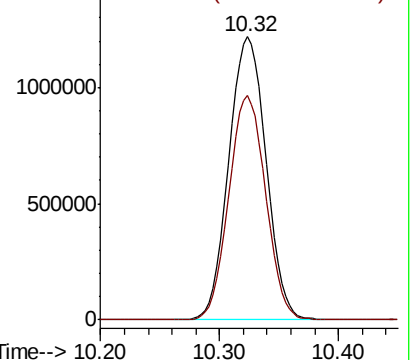
129 100

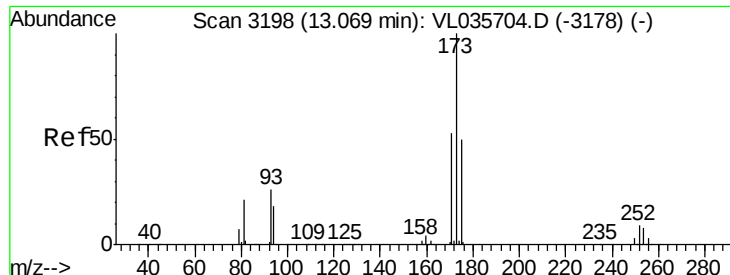
127 78.5 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.460 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

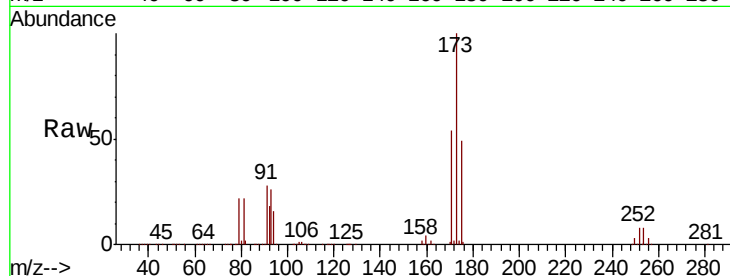
Tot Ion:173 Resp: 2348783

Ion Ratio Lower Upper

173 100

175 49.9 39.8 59.6

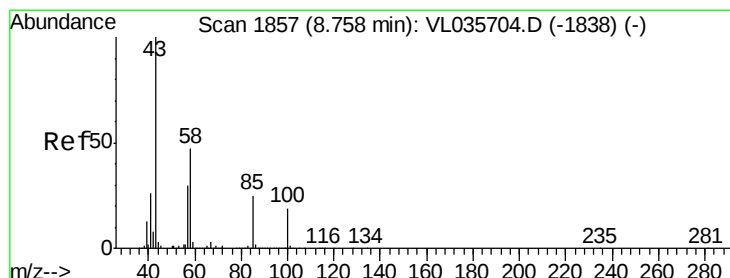
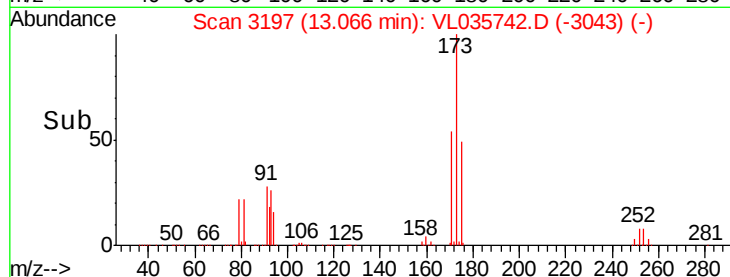
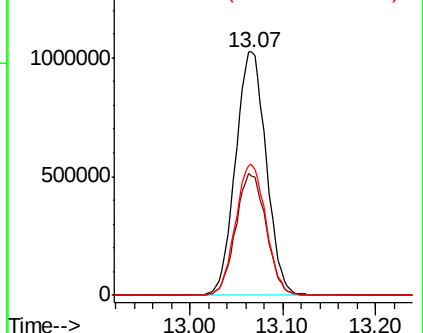
171 53.6 42.8 64.2



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: 10.378 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VL035742.D

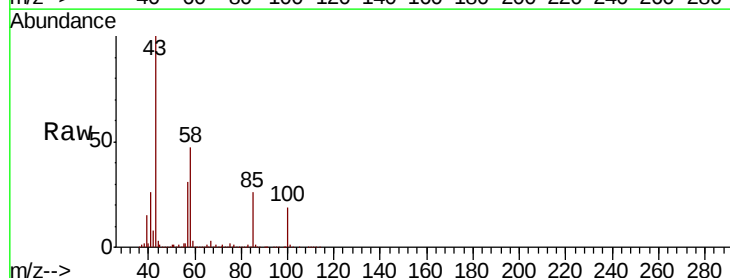
Acq: 8 Oct 2020 11:01

Tgt Ion: 43 Resp: 2352159

Ion Ratio Lower Upper

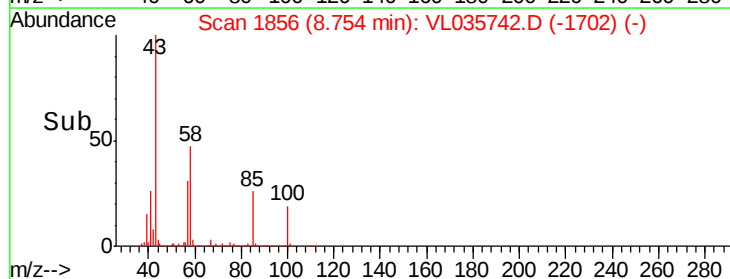
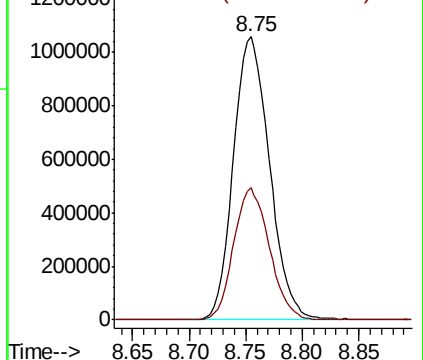
43 100

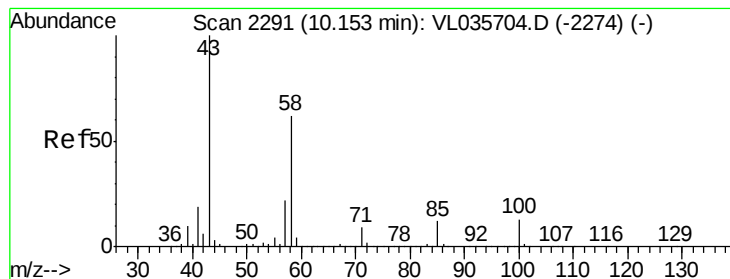
58 46.3 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.929 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

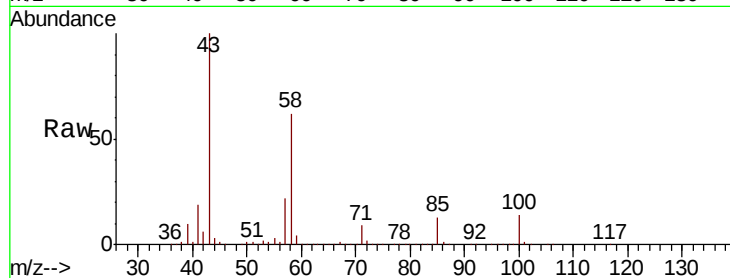
Tot Ion: 43 Resp: 1995784

Ion Ratio Lower Upper

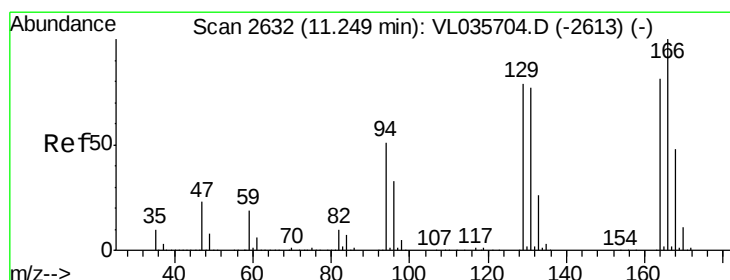
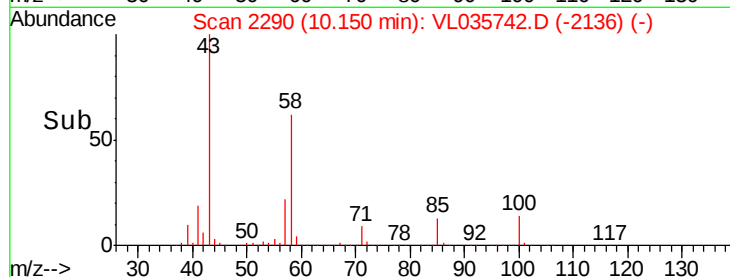
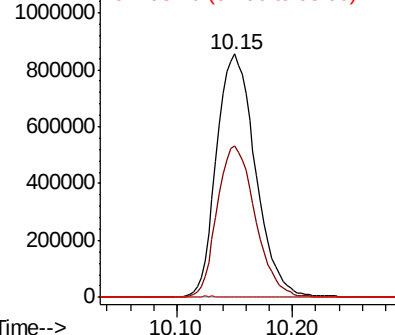
43 100

58 61.2 48.7 73.1

98 0.6 0.7 1.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.337 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tgt Ion:164 Resp: 1519638

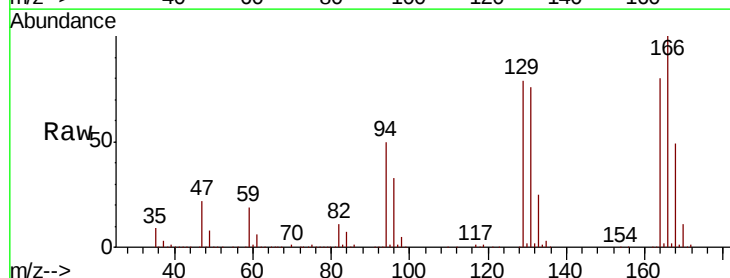
Ion Ratio Lower Upper

164 100

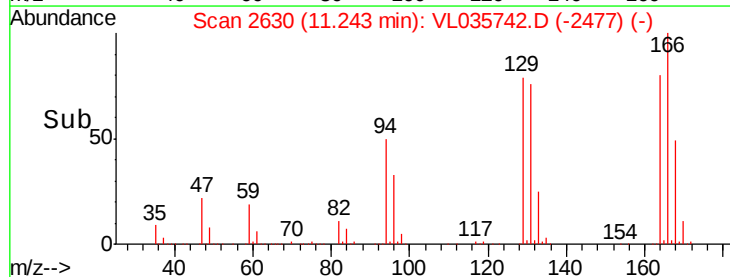
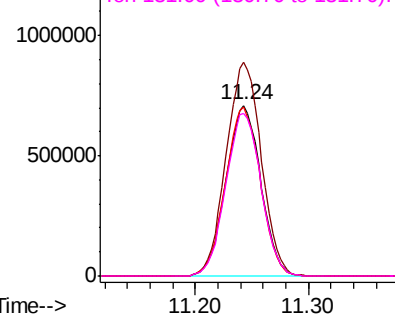
166 125.3 98.7 148.1

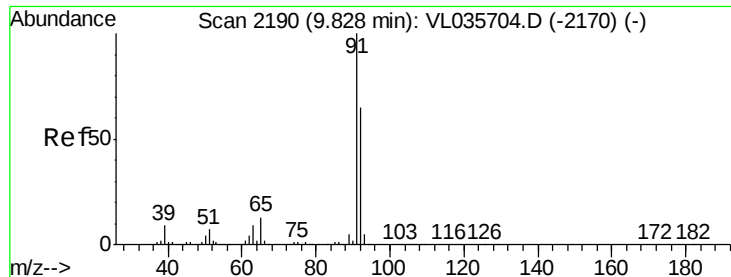
129 99.4 78.4 117.6

131 95.4 76.2 114.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.238 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

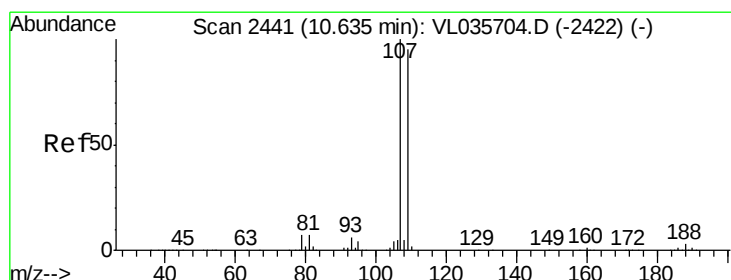
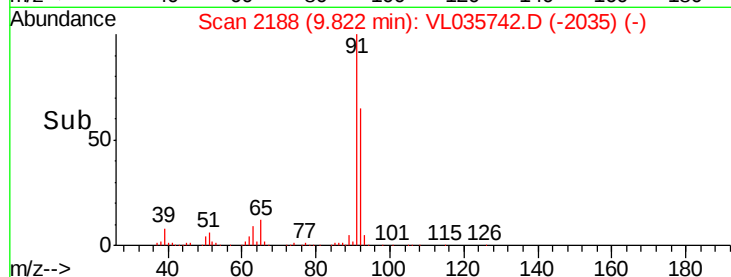
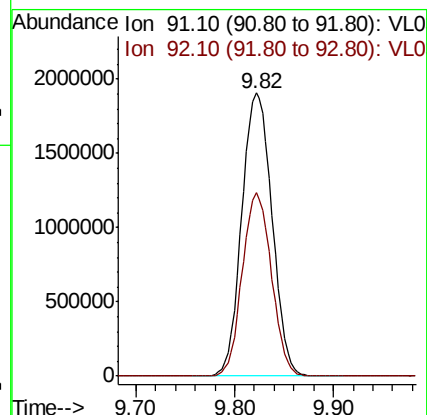
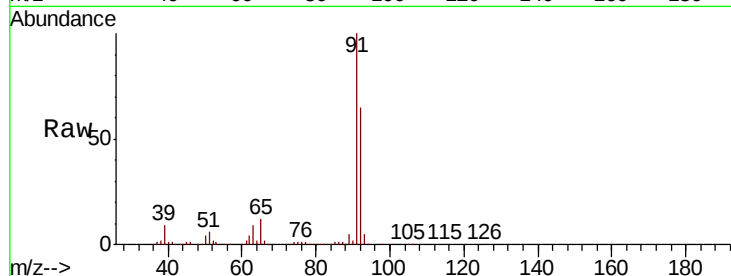
ClientSampleId :

Tot Ion: 91 Resp: 4051162

Ion Ratio Lower Upper

91 100

92 62.5 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.399 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035742.D

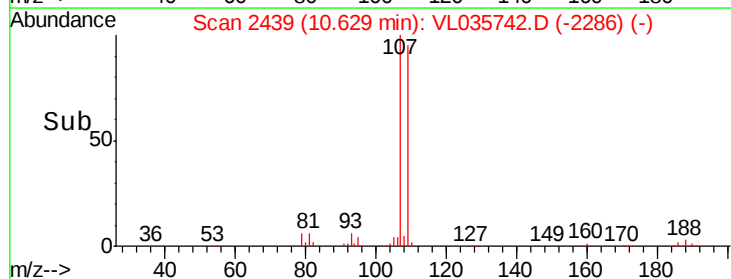
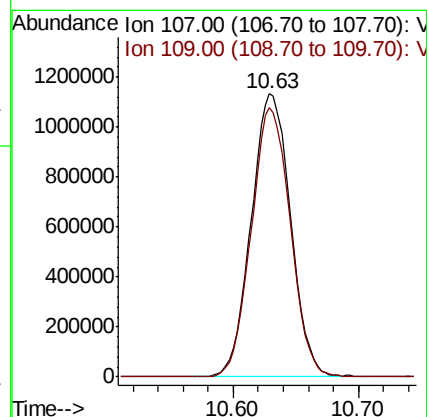
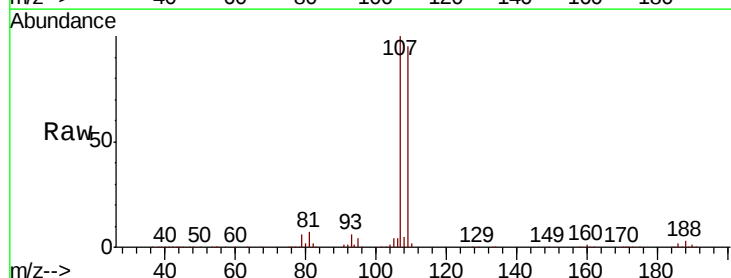
Acq: 8 Oct 2020 11:01

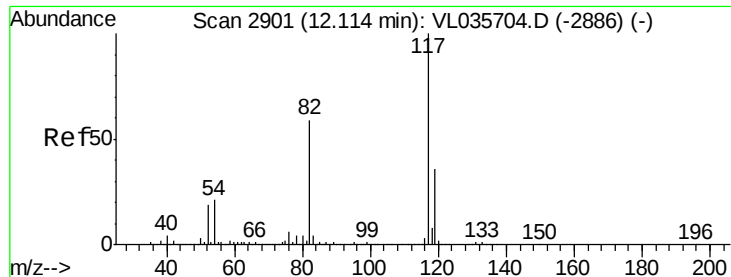
Tgt Ion: 107 Resp: 2471370

Ion Ratio Lower Upper

107 100

109 95.2 76.0 114.0

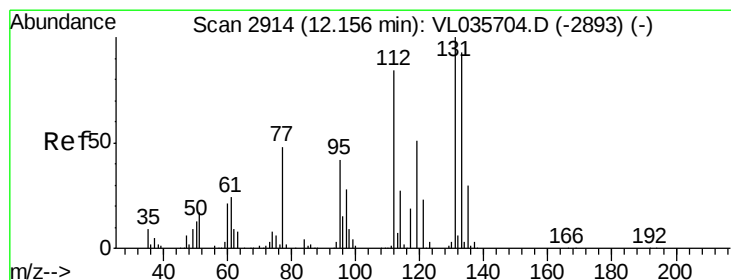
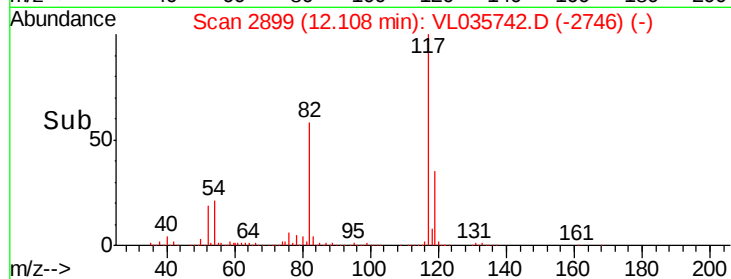
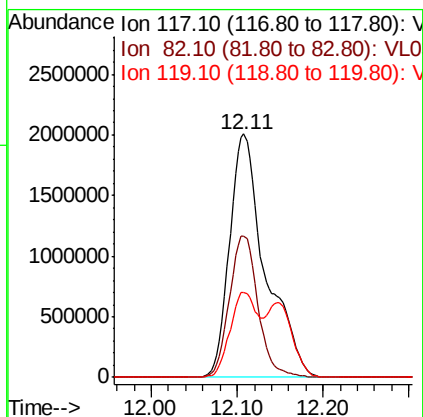
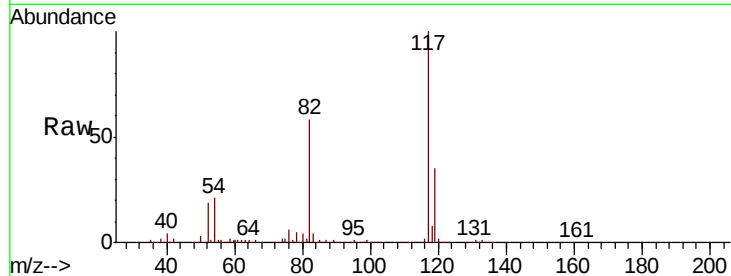




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

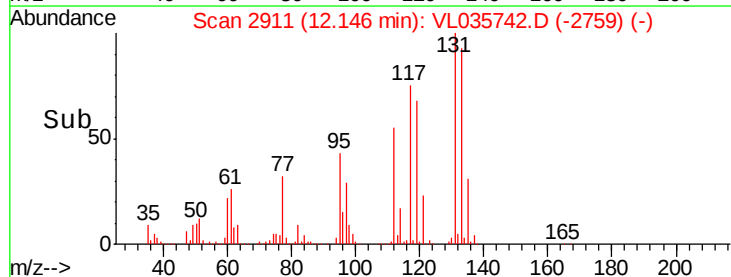
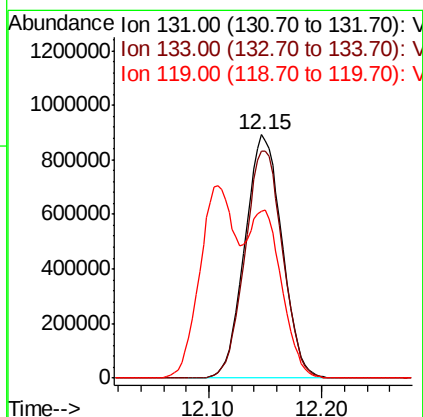
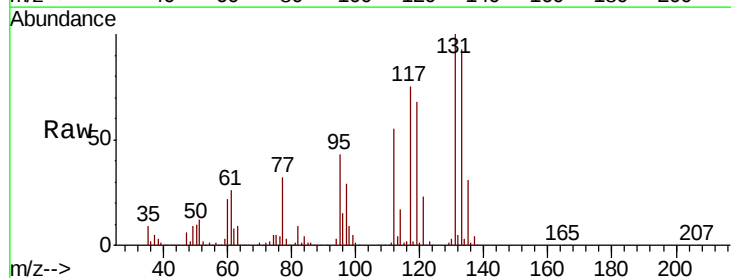
Instrument :
MSVOA_L
ClientSampled :

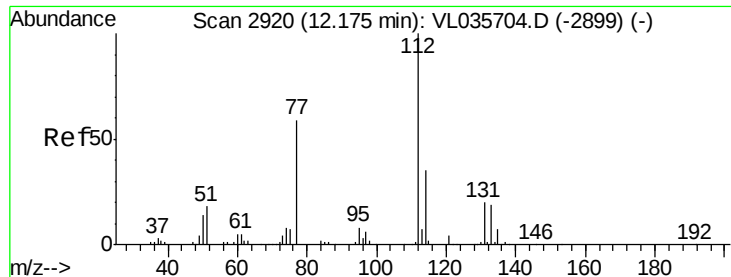
Tot Ion:117 Resp: 5821767
Ion Ratio Lower Upper
117 100
82 46.4 46.1 69.1
119 27.8 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.316 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion:131 Resp: 2030021
Ion Ratio Lower Upper
131 100
133 95.1 76.2 114.4
119 56.9 52.4 78.6

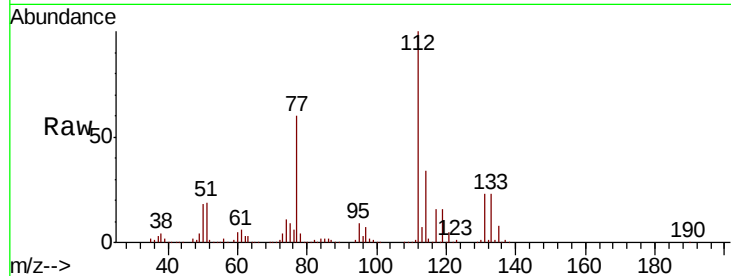




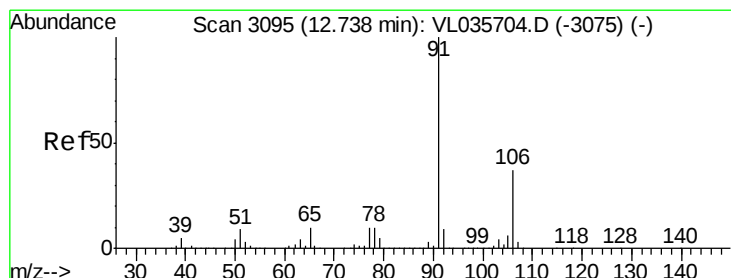
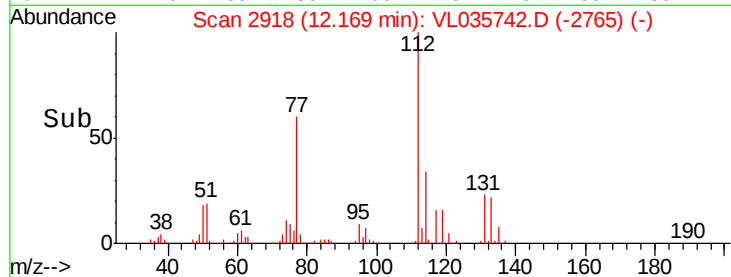
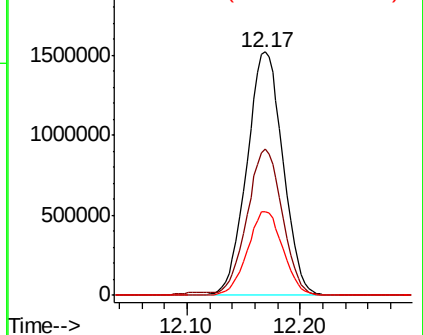
#57
Chlorobenzene
Concen: 7.654 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3365428
Ion Ratio Lower Upper
112 100
77 60.1 48.2 72.2
114 34.2 31.9 39.1

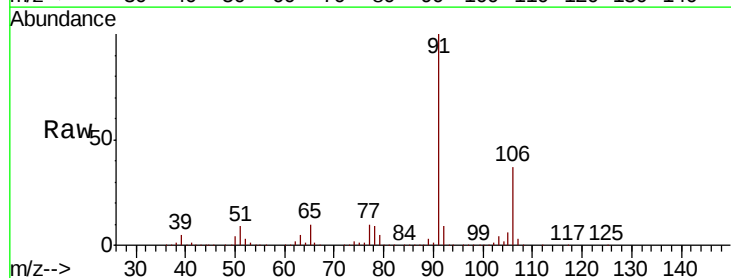


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

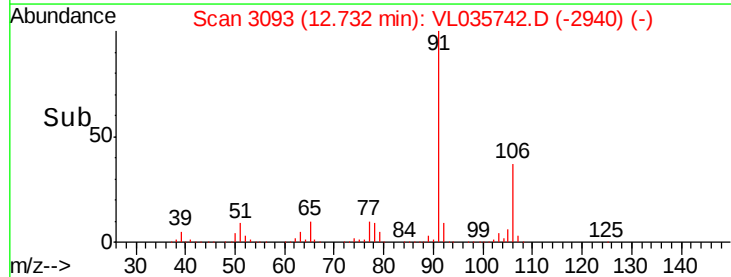
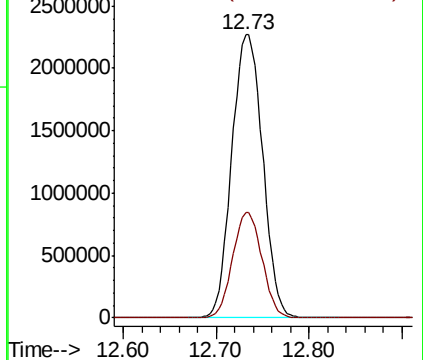


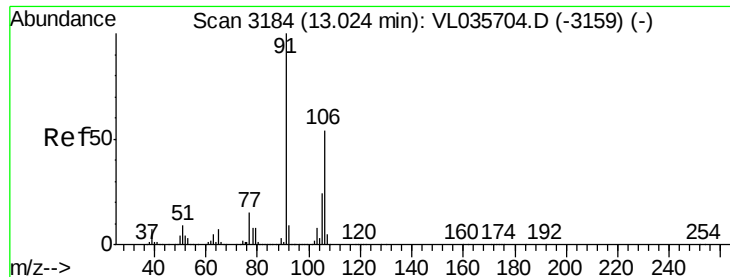
#58
Ethyl Benzene
Concen: 8.971 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 91 Resp: 5242177
Ion Ratio Lower Upper
91 100
106 37.2 29.7 44.5



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

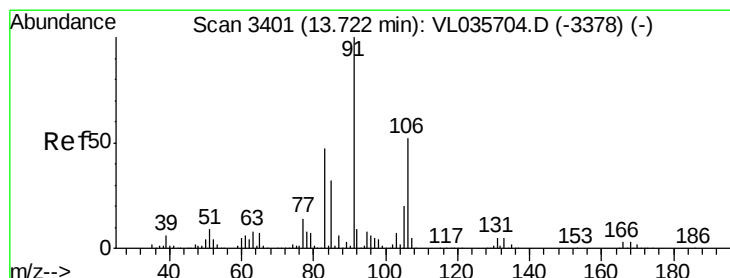
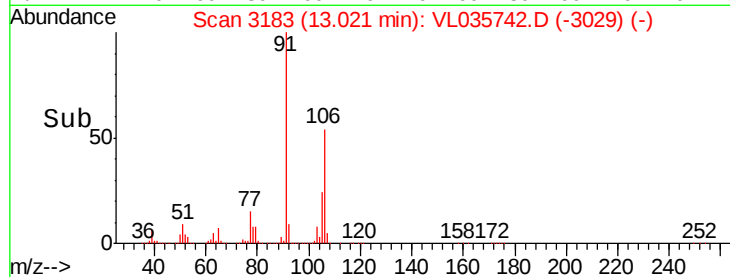
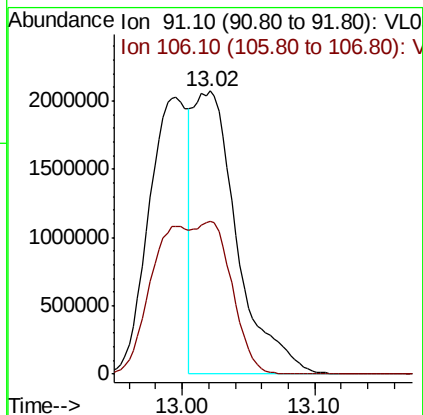
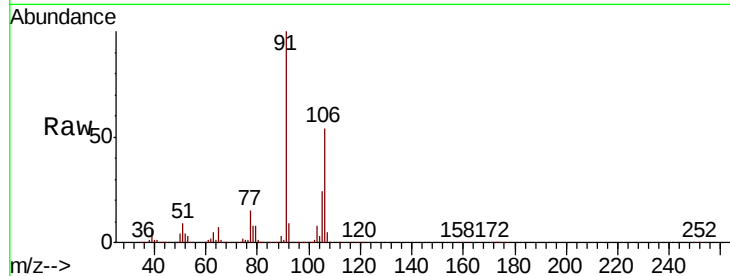




#59
m/p-Xylene
Concen: 9.239 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

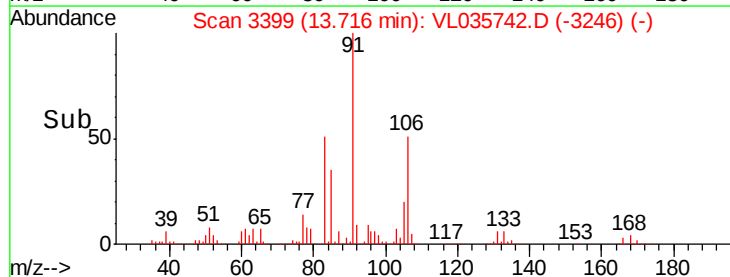
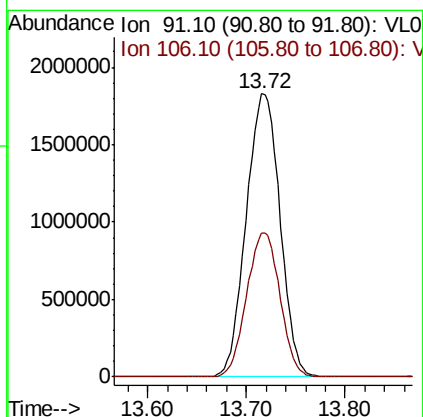
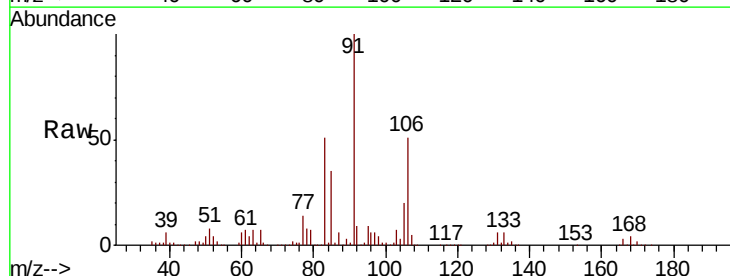
Instrument :
MSVOA_L
ClientSampled :

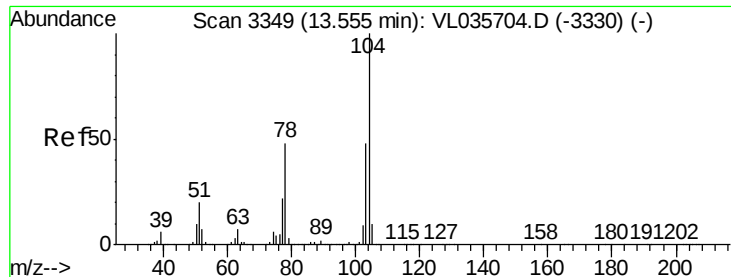
Tot Ion: 91 Resp: 4714782
Ion Ratio Lower Upper
91 100
106 94.3 41.4 62.0#



#60
o-Xylene
Concen: 8.383 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 91 Resp: 4327208
Ion Ratio Lower Upper
91 100
106 50.1 25.0 75.0

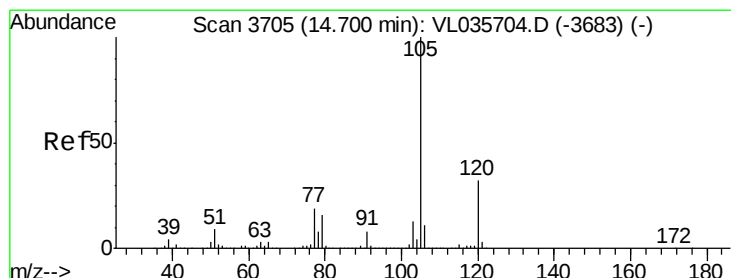
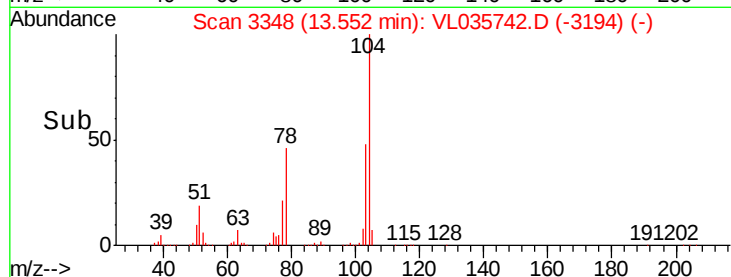
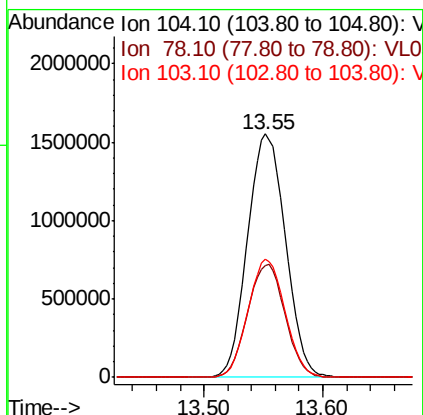
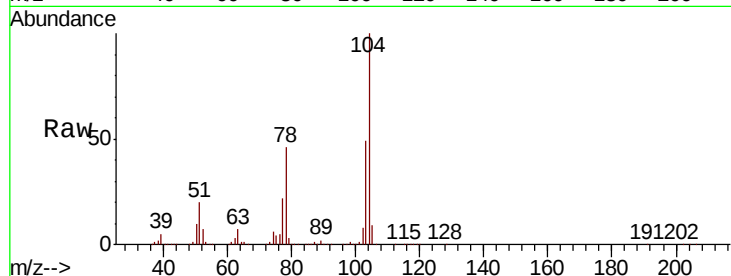




#61
Stvrene
Concen: 9.615 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

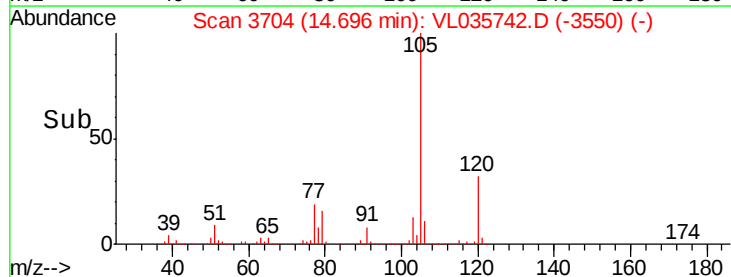
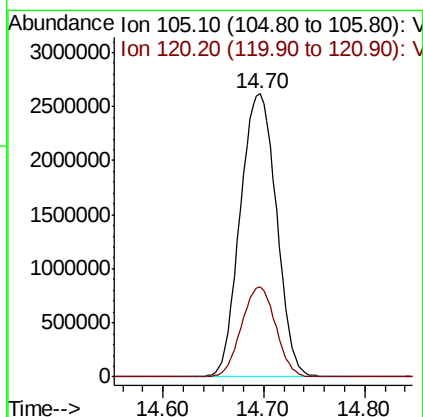
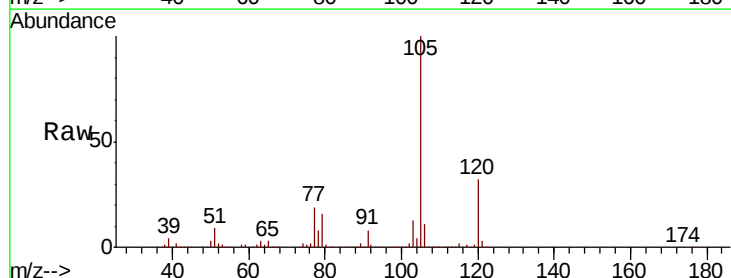
Instrument :
MSVOA_L
ClientSampleId :

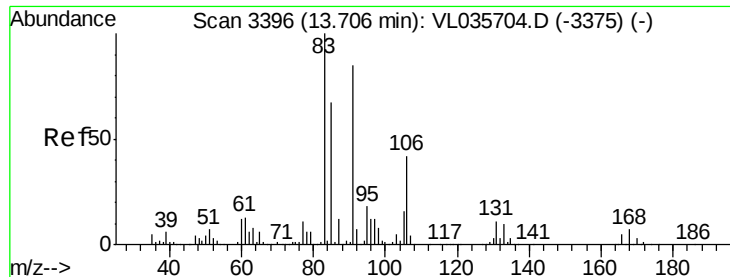
Tot Ion:104 Resp: 3431775
Ion Ratio Lower Upper
104 100
78 45.9 37.2 55.8
103 47.4 38.2 57.2



#62
Isopropylbenzene
Concen: 8.138 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion:105 Resp: 6515981
Ion Ratio Lower Upper
105 100
120 30.0 24.1 36.1

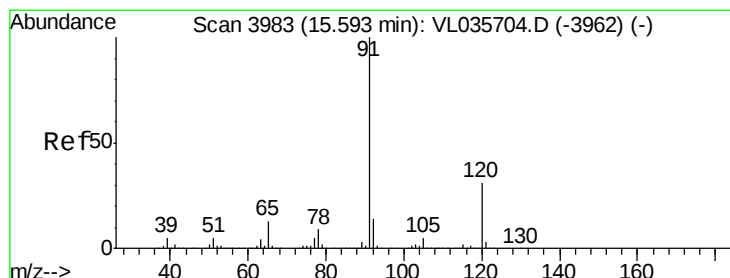
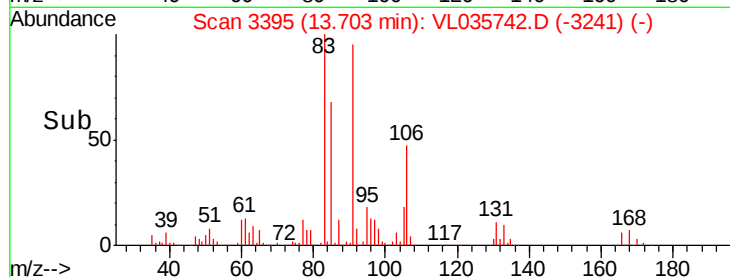
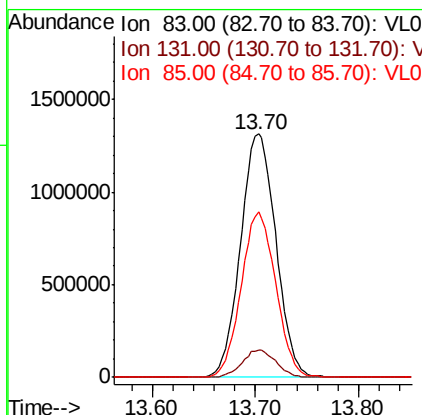
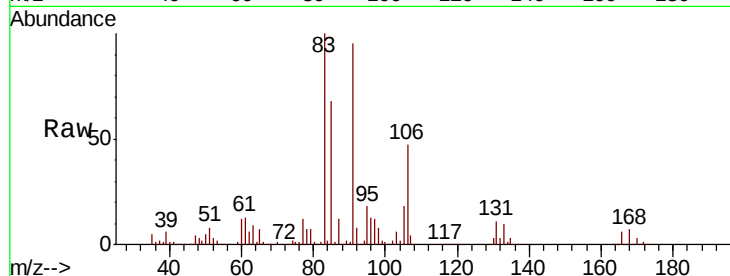




#63
1,1,2,2-Tetrachloroethane
Concen: 7.399 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

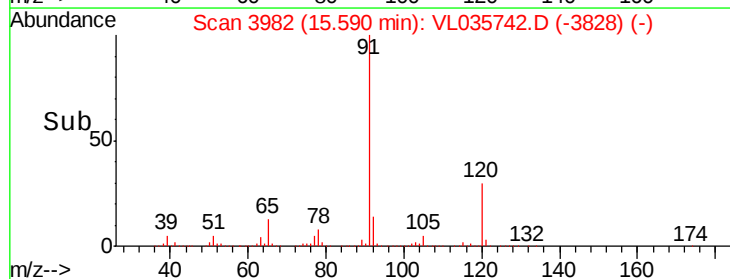
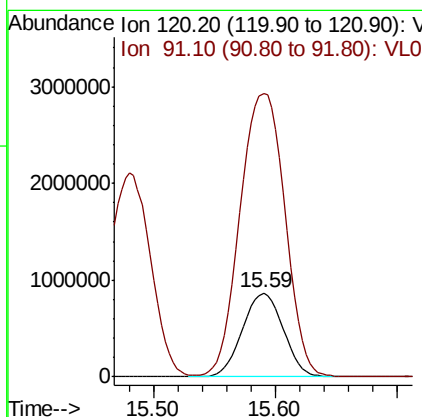
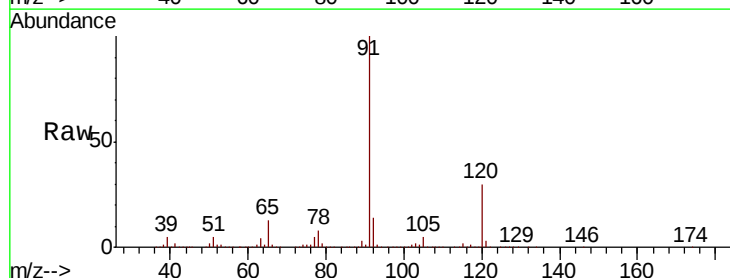
Instrument :
MSVOA_L
ClientSampleId :

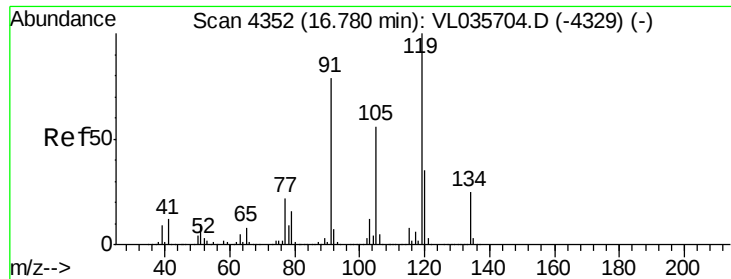
Tot Ion: 83 Resp: 3132023
Ion Ratio Lower Upper
83 100
131 10.7 5.3 16.1
85 66.7 33.4 100.2



#64
n-propylbenzene
Concen: 8.554 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion:120 Resp: 2004373
Ion Ratio Lower Upper
120 100
91 373.7 300.4 450.6





#65

tert-Butylbenzene

Concen: 8.196 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampled :

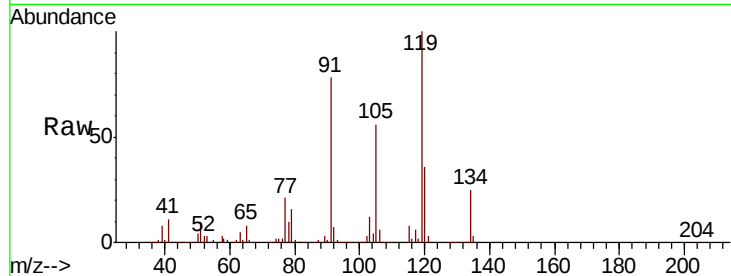
Tot Ion:119 Resp: 5966472

Ion Ratio Lower Upper

119 100

91 77.4 62.4 93.6

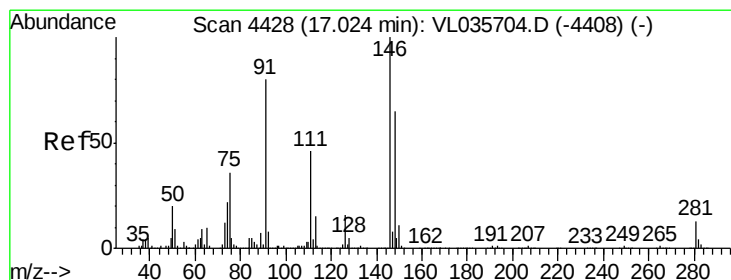
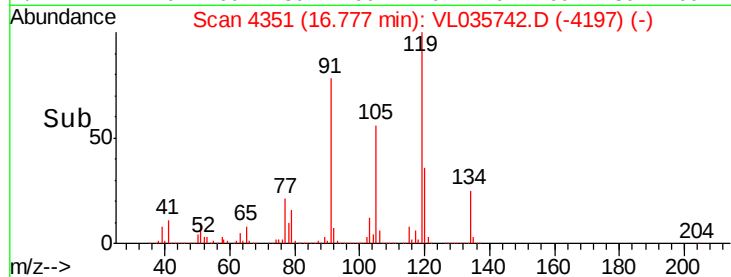
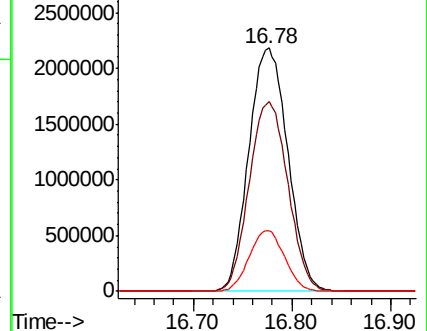
134 22.7 18.2 27.2



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: 10.065 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

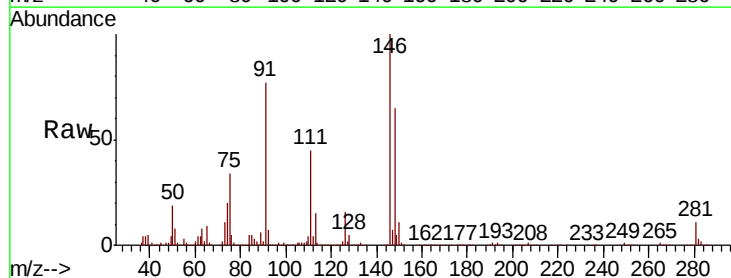
Tgt Ion: 91 Resp: 2219835

Ion Ratio Lower Upper

91 100

126 19.6 15.3 22.9

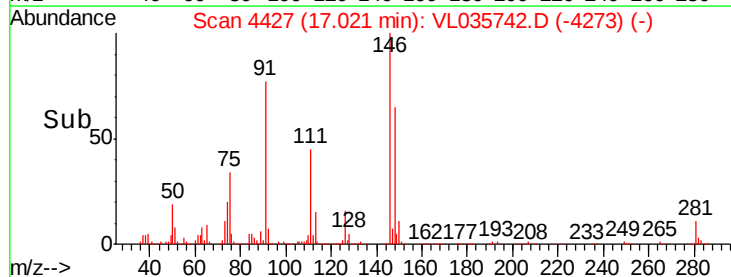
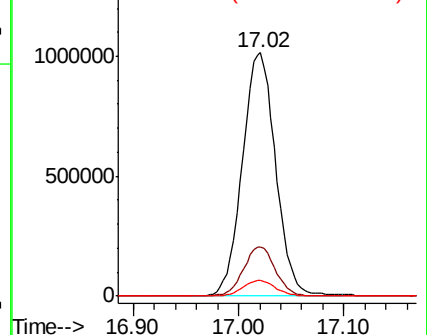
128 6.2 5.0 7.4

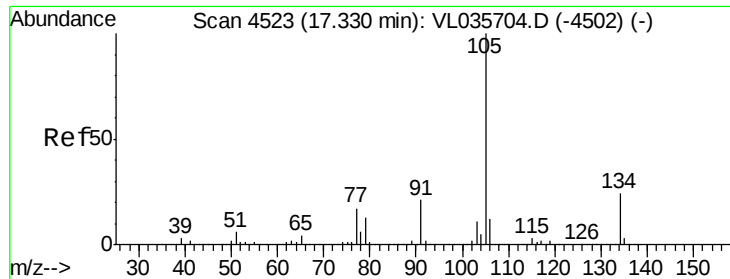


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

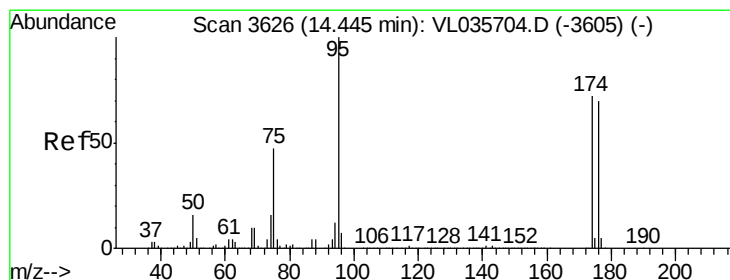
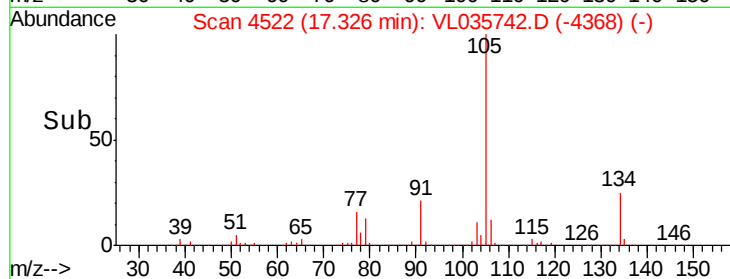
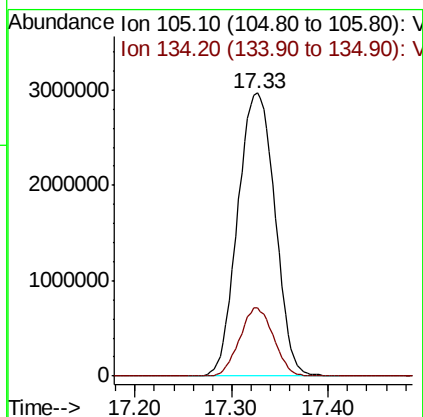
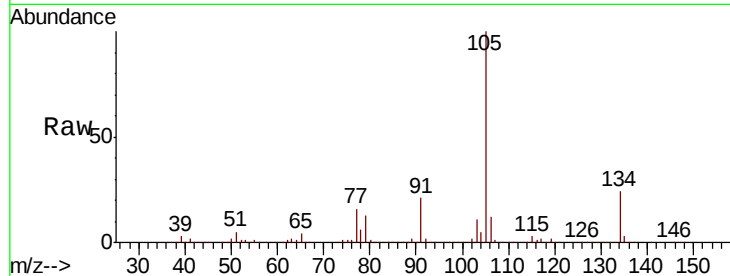




#67
 sec-Butylbenzene
 Concen: 7.893 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

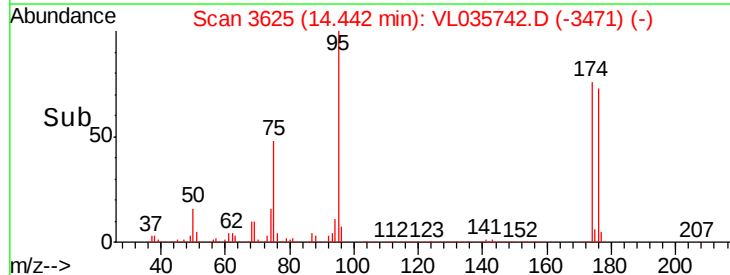
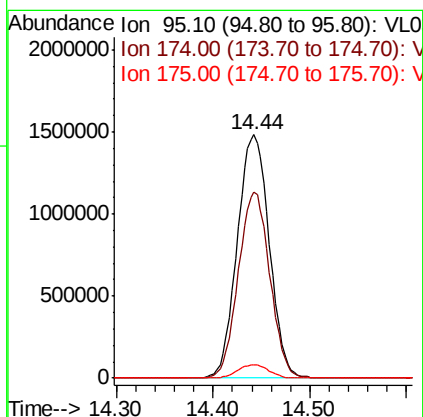
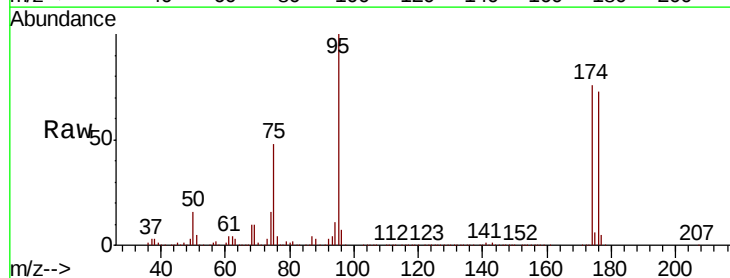
Instrument :
 MSVOA_L
 ClientSampleId :

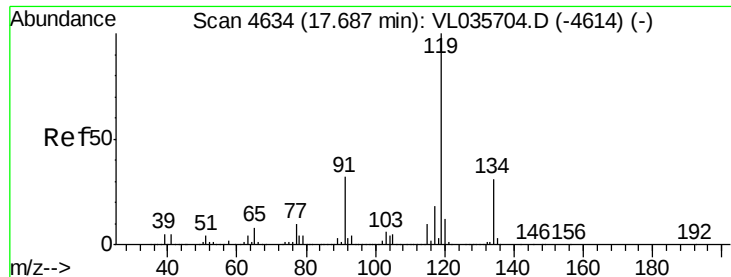
Tot Ion:105 Resp: 7934849
 Ion Ratio Lower Upper
 105 100
 134 22.0 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.809 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion: 95 Resp: 3406606
 Ion Ratio Lower Upper
 95 100
 174 75.5 59.6 89.4
 175 5.4 4.2 6.4

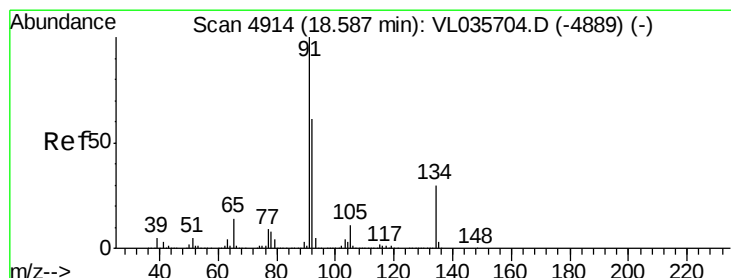
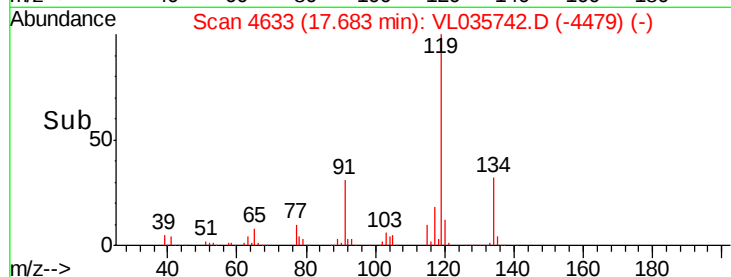
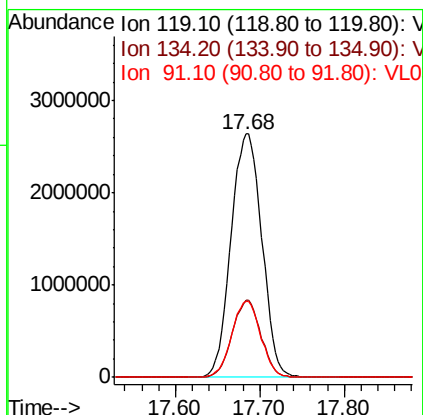
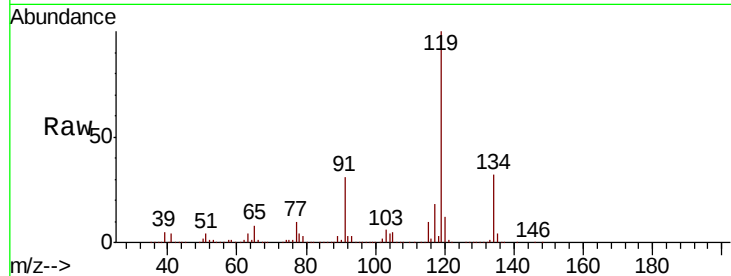




#69
 p-Isopropyltoluene
 Concen: 8.207 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

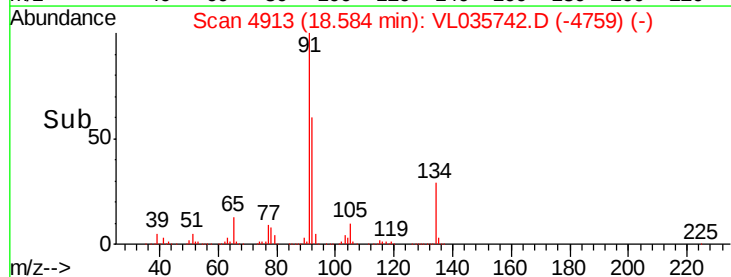
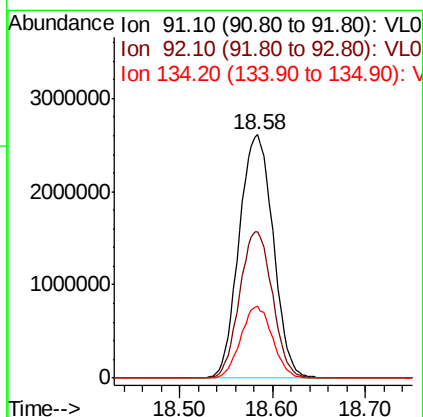
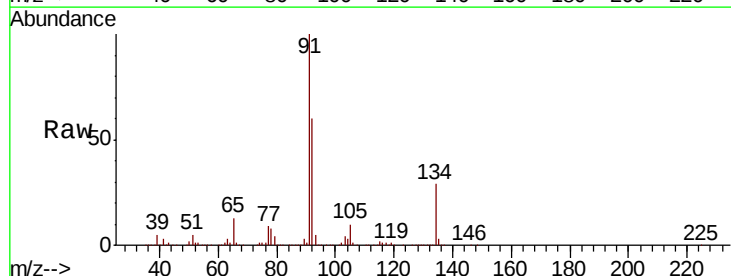
Instrument :
 MSVOA_L
 ClientSampleId :

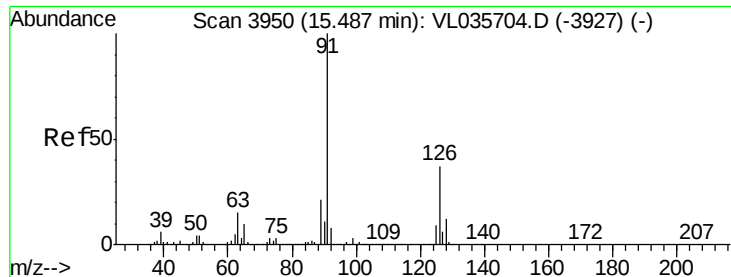
Tot Ion:119 Resp: 6712190
 Ion Ratio Lower Upper
 119 100
 134 29.6 23.9 35.9
 91 29.4 23.8 35.6



#70
 n-Butylbenzene
 Concen: 7.883 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion: 91 Resp: 6638676
 Ion Ratio Lower Upper
 91 100
 92 58.1 47.0 70.4
 134 27.5 21.9 32.9

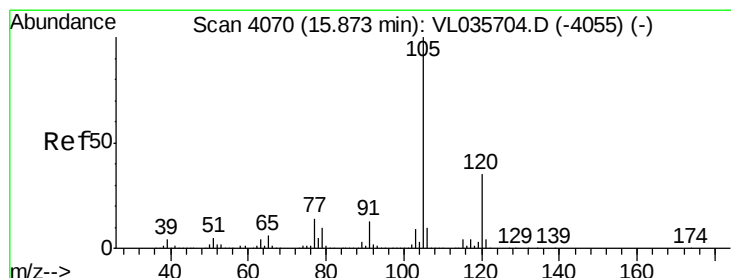
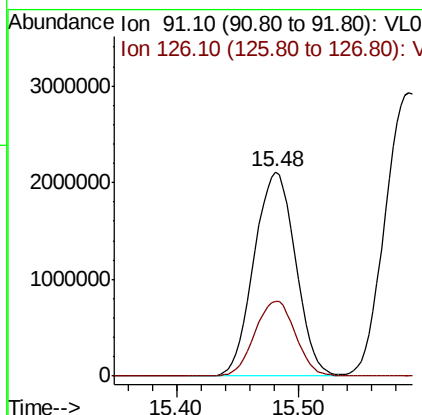
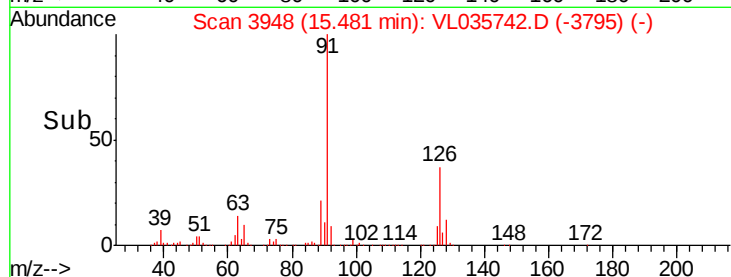
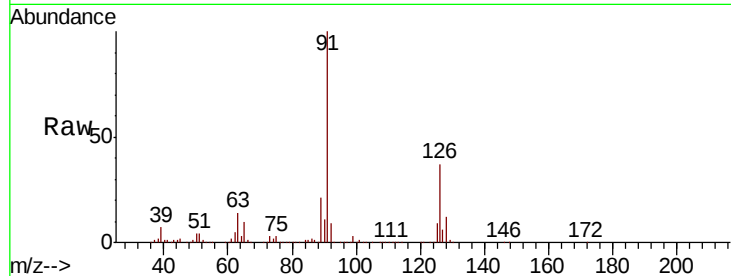




#71
2-Chlorotoluene
Concen: 8.544 ppbv
RT: 15.48 min Scan# 3948
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

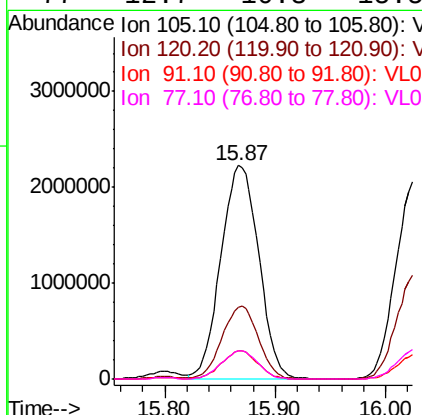
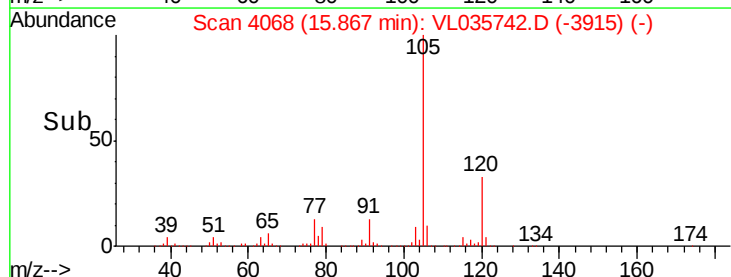
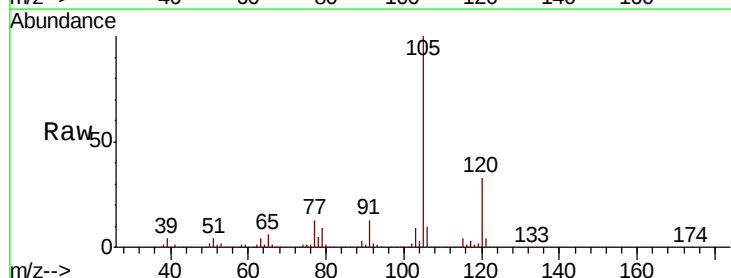
Instrument :
MSVOA_L
ClientSampleId :

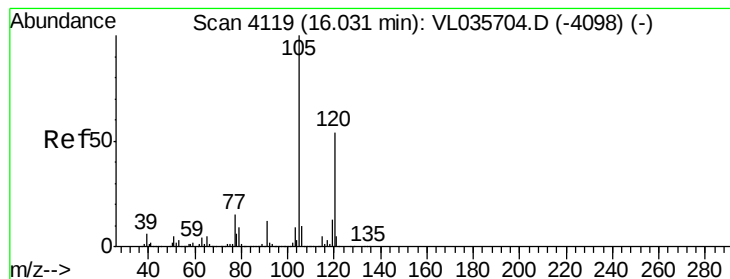
Tot Ion: 91 Resp: 4989660
Ion Ratio Lower Upper
91 100
126 36.1 14.4 57.4



#72
4-Ethyltoluene
Concen: 8.663 ppbv
RT: 15.87 min Scan# 4068
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion:105 Resp: 5297098
Ion Ratio Lower Upper
105 100
120 32.8 26.5 39.7
91 12.5 10.2 15.2
77 12.7 10.3 15.5



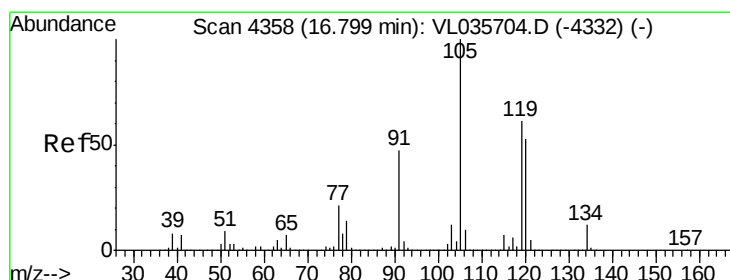
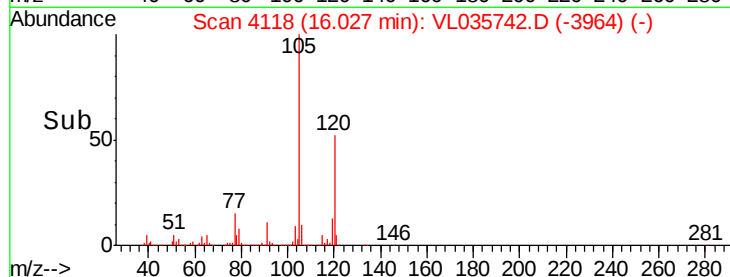
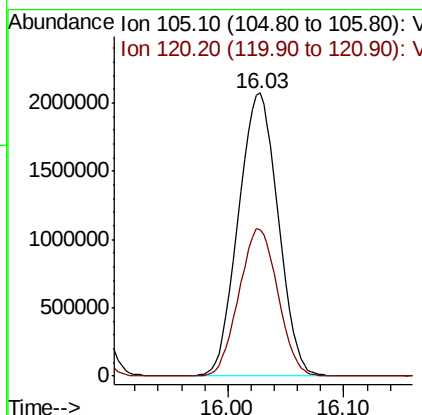
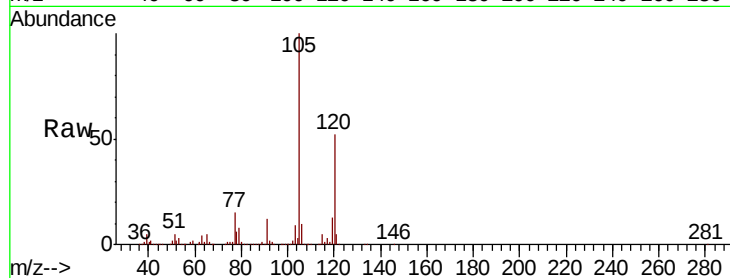


#73

1,3,5-Trimethylbenzene
Concen: 8.507 ppbv
RT: 16.03 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampled :

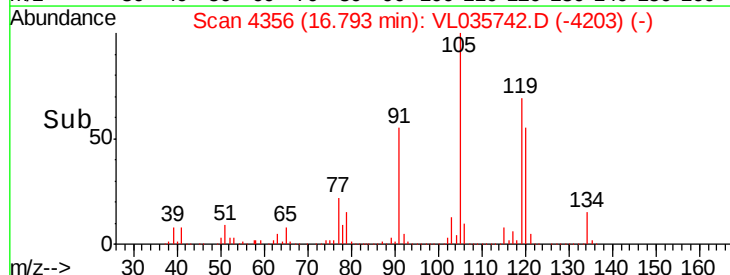
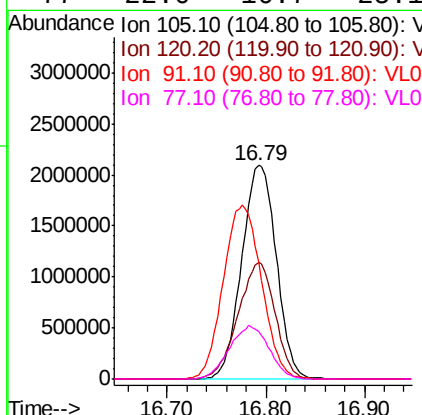
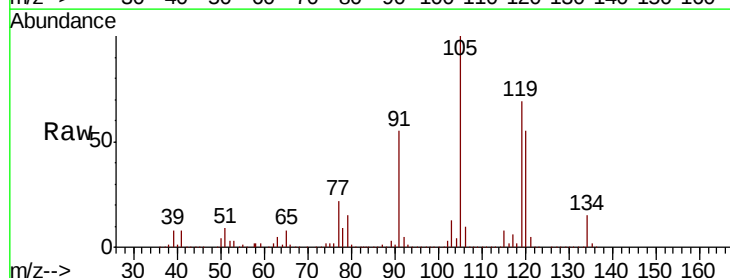
Tot Ion:105 Resp: 4916087
Ion Ratio Lower Upper
105 100
120 51.7 43.0 64.4

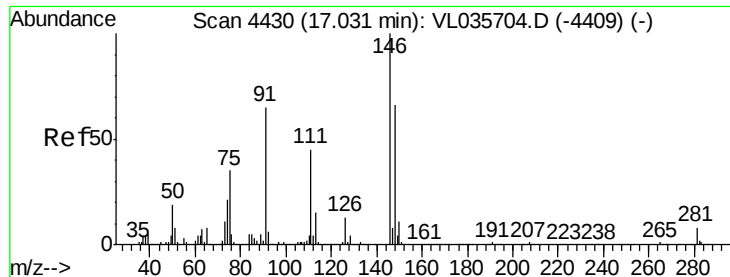


#74

1,2,4-Trimethylbenzene
Concen: 7.778 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion:105 Resp: 5066816
Ion Ratio Lower Upper
105 100
120 54.7 42.5 63.7
91 54.6 37.7 56.5
77 22.0 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 7.602 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

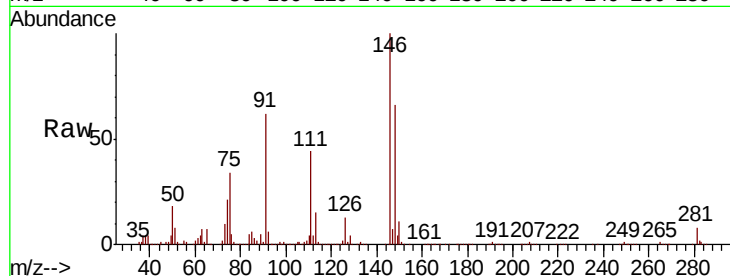
Tot Ion:146 Resp: 3380659

Ion Ratio Lower Upper

146 100

111 44.0 22.4 67.0

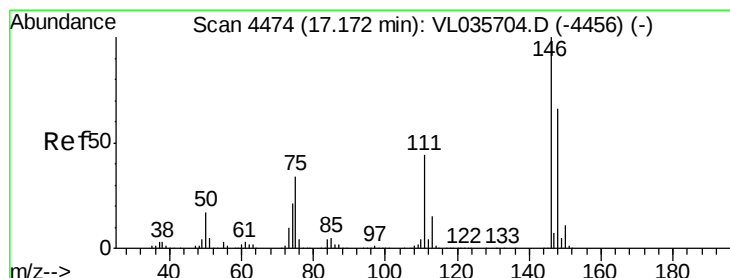
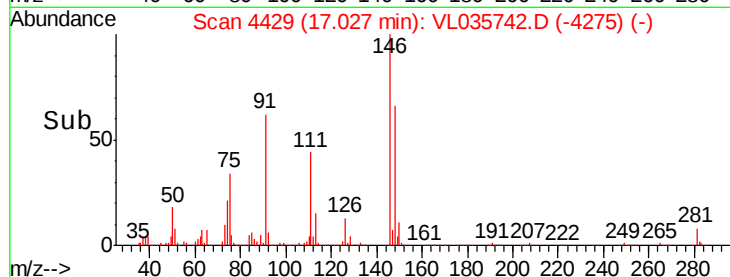
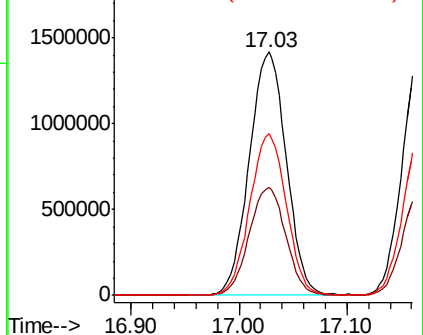
148 65.6 33.0 99.0



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: 7.955 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

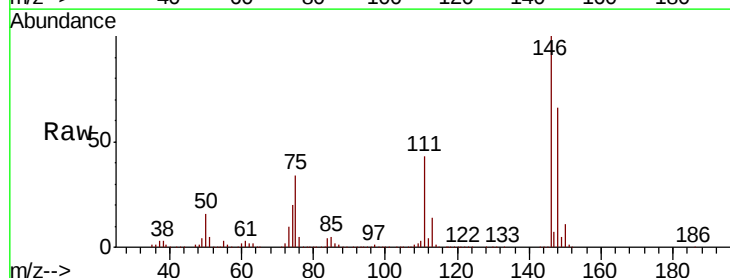
Tgt Ion:146 Resp: 3381713

Ion Ratio Lower Upper

146 100

111 42.7 21.4 64.3

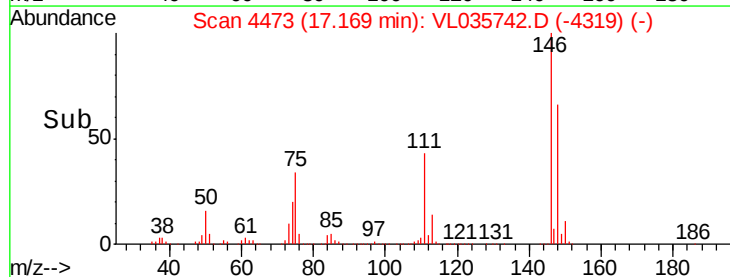
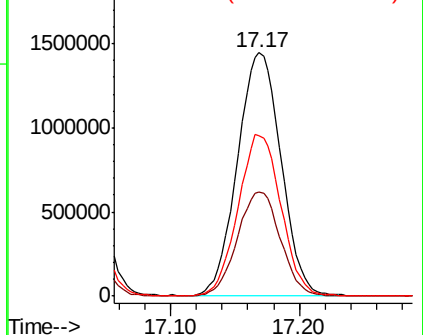
148 66.0 32.6 98.0

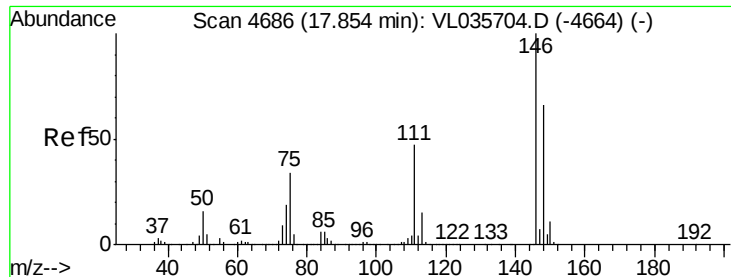


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

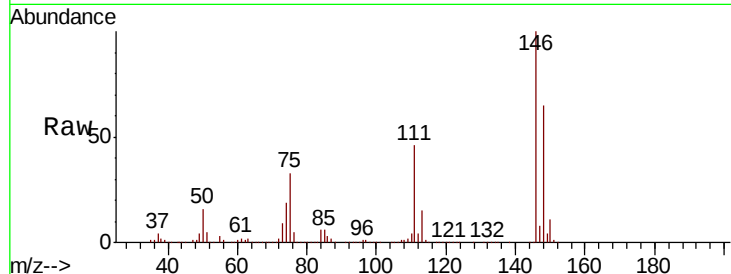




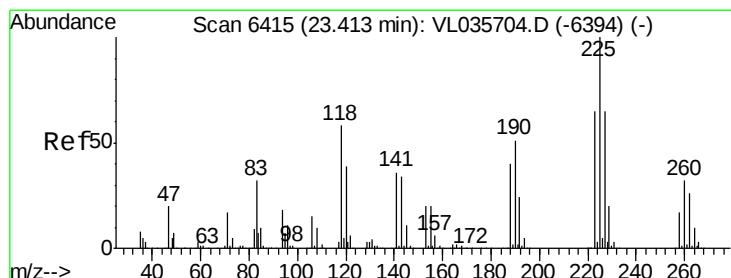
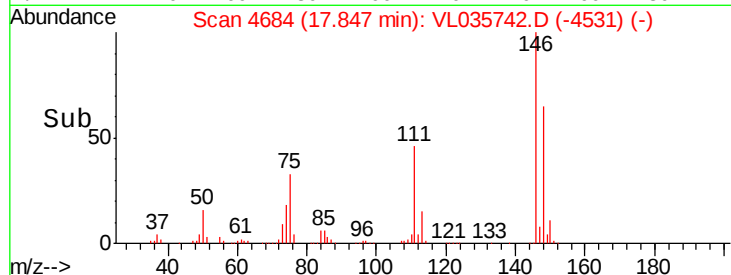
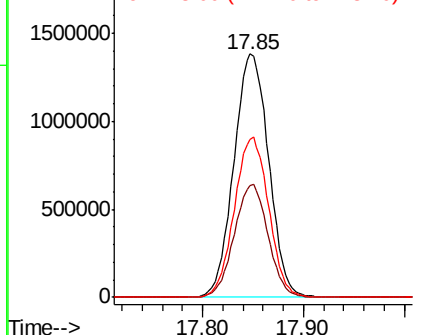
#77
 1,2-Dichlorobenzene
 Concen: 7.878 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 3309333
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.5
 148 65.0 32.6 98.0

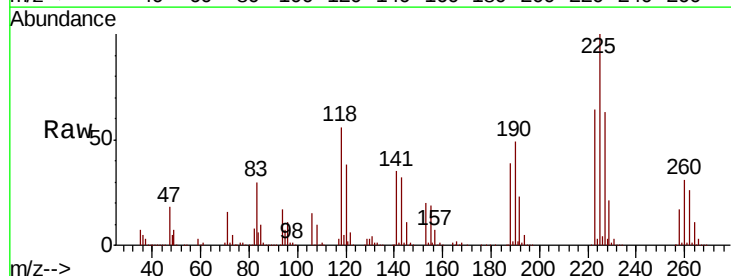


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

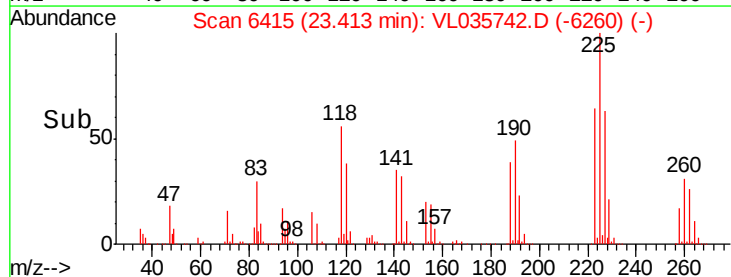
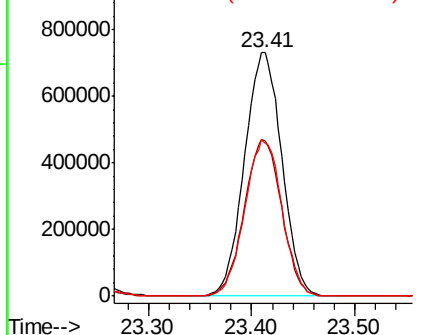


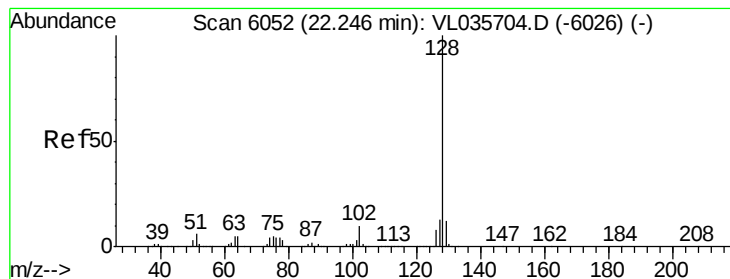
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.924 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion:225 Resp: 1836364
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.3 76.9
 227 64.2 51.6 77.4



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.071 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

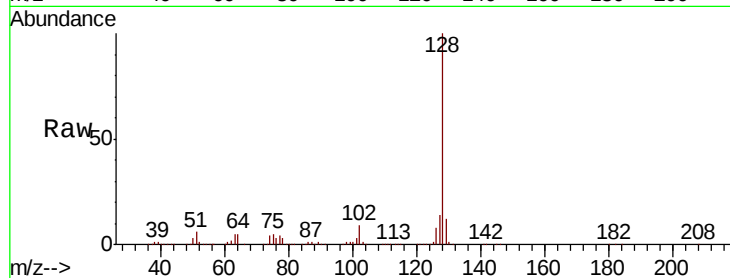
Tot Ion:128 Resp: 5014494

Ion Ratio Lower Upper

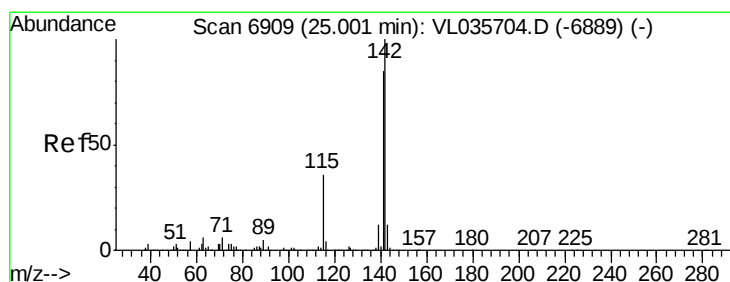
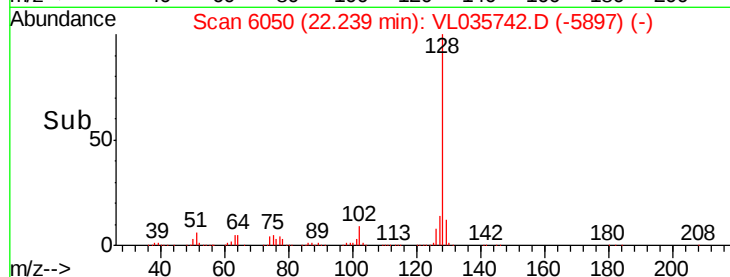
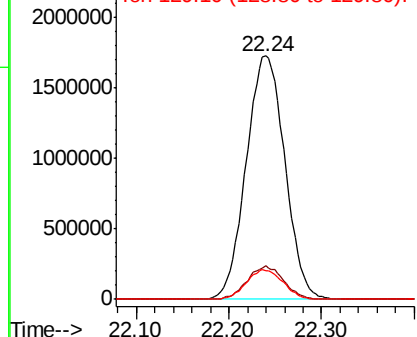
128 100

127 13.6 10.6 15.8

129 11.9 9.4 14.0



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: 10.624 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

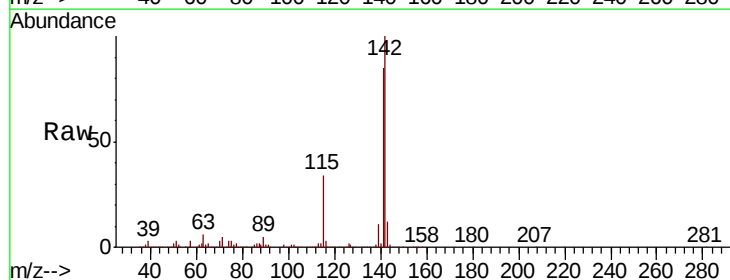
Tgt Ion:142 Resp: 1556882

Ion Ratio Lower Upper

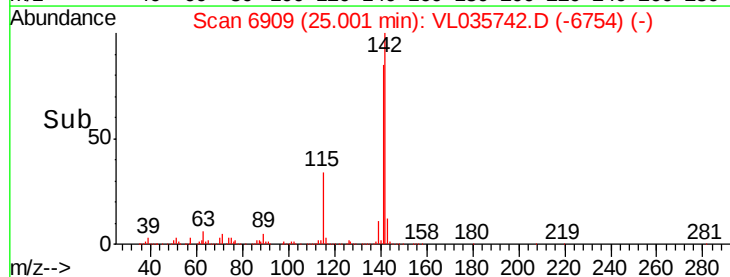
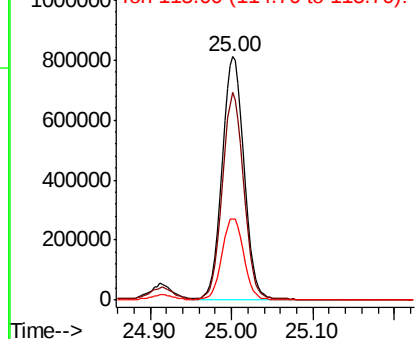
142 100

141 83.6 68.2 102.4

115 33.3 27.8 41.6



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: 8.208 ppbv

RT: 21.97 min Scan# 5966

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

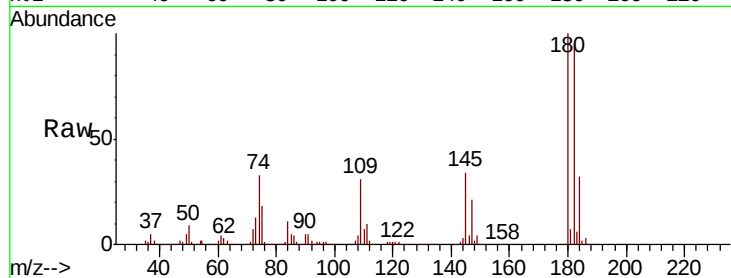
Tot Ion:180 Resp: 2642911

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

184 31.2 24.6 37.0



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

