

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036261.D
 Acq On : 22 Jan 2021 9:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jan 23 04:33:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1379158	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3172568	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3027227	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2499657	9.98	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1787999	9.672	ppbv 99
3) Chlorodifluoromethane	3.00	51	1794226	10.593	ppbv 98
4) Chloromethane	3.15	50	883534	10.554	ppbv 95
5) Vinyl Chloride	3.27	62	865908	10.931	ppbv 97
6) Bromomethane	3.49	94	492300	11.116	ppbv 97
7) Chloroethane	3.57	64	291529	10.686	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	1943898	10.853	ppbv 98
9) Propene	3.02	41	797634	9.889	ppbv 97
10) Heptane	8.14	43	2035387	10.166	ppbv 98
11) Trichlorofluoromethane	3.97	101	2029696	10.799	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1288545	11.308	ppbv 95
13) Ethanol	3.63	45	100327	7.921	ppbv 80
14) Bromoethene	3.75	108	554178	10.681	ppbv 98
15) Acetone	3.87	43	1644794	9.738	ppbv 97
16) 1,3-Butadiene	3.34	39	856079	10.404	ppbv 100
17) tert-Butyl alcohol	4.31	59	1563074	11.214	ppbv 100
18) 1,1-Dichloroethene	4.30	96	544507	10.307	ppbv 98
19) Isopropyl Alcohol	3.99	45	1115692	10.957	ppbv 99
20) Methylene Chloride	4.36	84	487968	9.052	ppbv 92
21) Allyl Chloride	4.43	41	996353	10.837	ppbv 96
22) trans-1,2-Dichloroethene	4.90	96	525283	10.762	ppbv 97
23) Vinyl Acetate	5.10	43	2317638	11.324	ppbv 99
24) 1,1-Dichloroethane	5.03	63	1599574	10.789	ppbv 99
25) Ethyl Acetate	5.70	43	3454916	10.188	ppbv 100
26) Hexane	5.71	57	1397264	9.897	ppbv 99
27) Carbon Disulfide	4.57	76	1378081	12.207	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1985629	10.399	ppbv 97
29) Chloroform	5.78	83	2224145	11.002	ppbv 95
30) Cyclohexane	7.15	84	1171230	10.856	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1462966	10.841	ppbv 96
32) 1,1,1-Trichloroethane	6.53	97	2176292	11.131	ppbv 99
34) 2-Butanone	5.27	43	2197407	9.405	ppbv 98
35) Carbon Tetrachloride	7.04	117	2177475	10.863	ppbv 98
36) Benzene	6.92	78	2918787	10.041	ppbv 98
37) 1,2-Dichloroethane	6.33	62	1862248	10.646	ppbv 99
38) Trichloroethene	7.86	130	954414	8.865	ppbv 98
39) 1,2-Dichloropropane	7.64	63	1185141	10.041	ppbv 97
40) 1,4-Dioxane	7.85	88	383326	8.978	ppbv # 1
41) Tetrahydrofuran	6.07	42	1284452	9.513	ppbv 99
42) Bromodichloromethane	7.82	83	2413987	10.980	ppbv 96
43) Methyl Methacrylate	8.04	69	1316117	10.654	ppbv 95

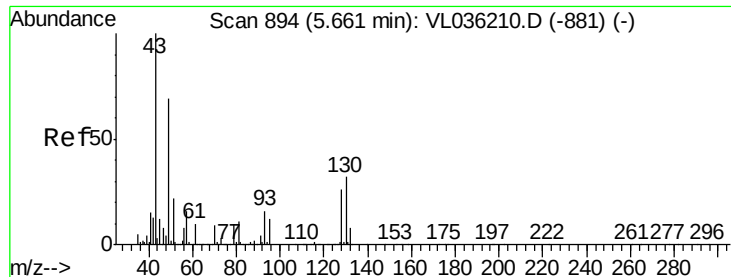
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036261.D
 Acq On : 22 Jan 2021 9:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jan 23 04:33:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5007670	9.379	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1431025	12.196	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1680834	11.147	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	1148045	10.168	ppbv	96
48) Dibromochloromethane	10.33	129	1861224	11.267	ppbv	99
49) Bromoform	13.07	173	1550201	11.242	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	3423042	9.826	ppbv	99
51) 2-Hexanone	10.16	43	2815699	10.245	ppbv	99
52) Tetrachloroethene	11.25	164	923427	8.620	ppbv	98
53) Toluene	9.83	91	3202975	9.850	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1709110	10.211	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1360097	10.068	ppbv #	92
57) Chlorobenzene	12.18	112	2269411	9.555	ppbv	98
58) Ethyl Benzene	12.74	91	4429079	9.859	ppbv	97
59) m/p-Xylene	13.02	91	3476623	9.007	ppbv #	26
60) o-Xylene	13.72	91	3486721	9.371	ppbv	99
61) Styrene	13.56	104	2419011	10.296	ppbv	99
62) Isopropylbenzene	14.70	105	5110617	9.238	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2437994	8.800	ppbv	99
64) n-propylbenzene	15.59	120	1319207	9.706	ppbv	98
65) tert-Butylbenzene	16.77	119	4353073	9.286	ppbv	99
66) Benzyl Chloride	17.02	91	1569160	13.103	ppbv	99
67) sec-Butylbenzene	17.32	105	6325320	9.090	ppbv	100
69) p-Isopropyltoluene	17.68	119	5151867	9.336	ppbv	99
70) n-Butylbenzene	18.58	91	5575848	9.483	ppbv	100
71) 2-Chlorotoluene	15.48	91	4083466	9.391	ppbv	100
72) 4-Ethyltoluene	15.87	105	3960475	9.432	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3770971	9.421	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	3830501	9.330	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	2059061	9.351	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	2018321	9.278	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	2056747	9.563	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1490967	8.667	ppbv	100
79) Naphthalene	22.24	128	1374564	5.728	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	979944	19.137	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	1435576	10.246	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

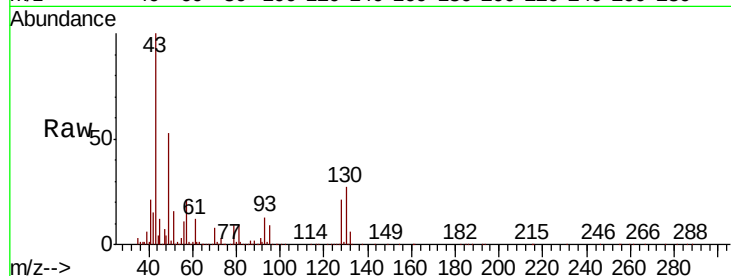
Tot Ion: 49 Resp: 1379158

Ion Ratio Lower Upper

49 100

128 42.4 20.1 60.2

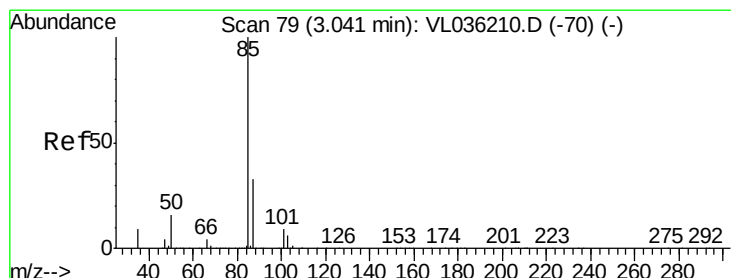
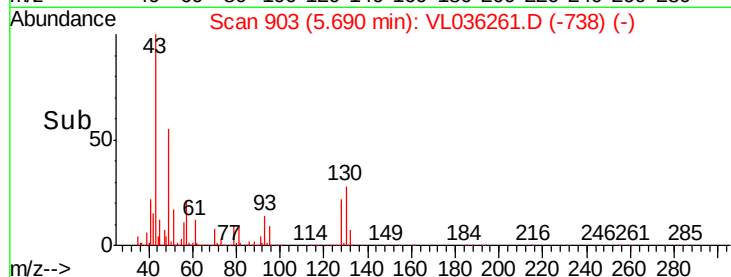
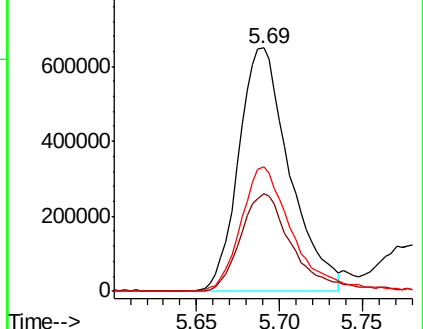
130 53.0 25.3 75.9



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: 9.672 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL036261.D

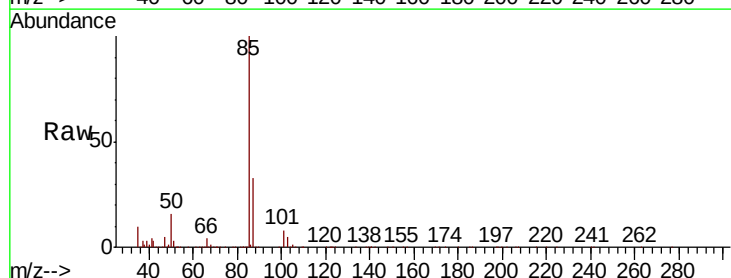
Acq: 22 Jan 2021 9:42

Tgt Ion: 85 Resp: 1787999

Ion Ratio Lower Upper

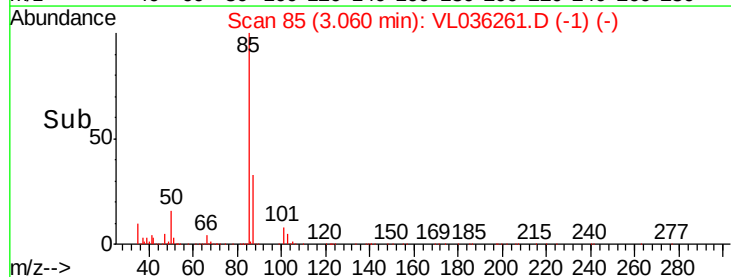
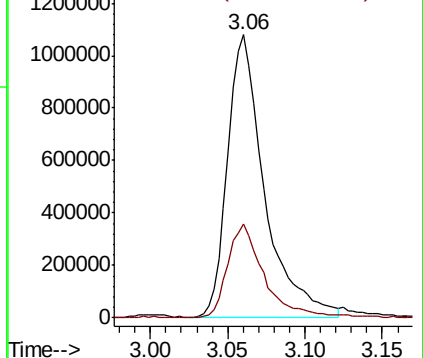
85 100

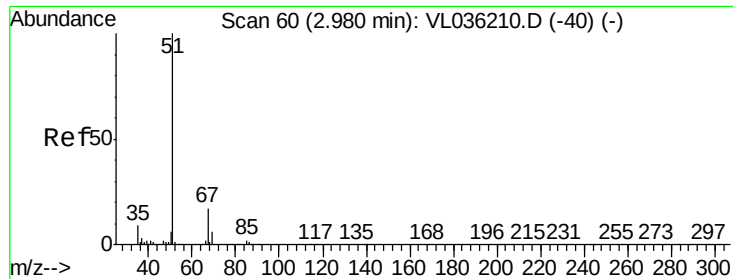
87 33.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.593 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

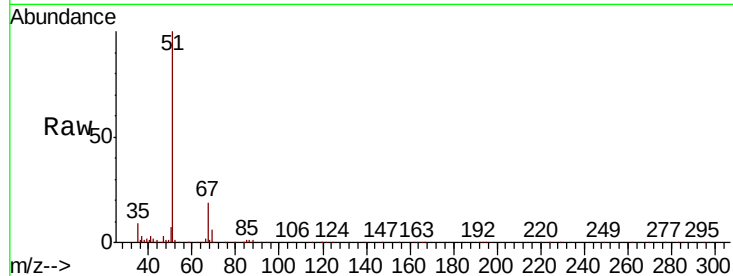
VSTDCCC010

Tot Ion: 51 Resp: 1794226

Ion Ratio Lower Upper

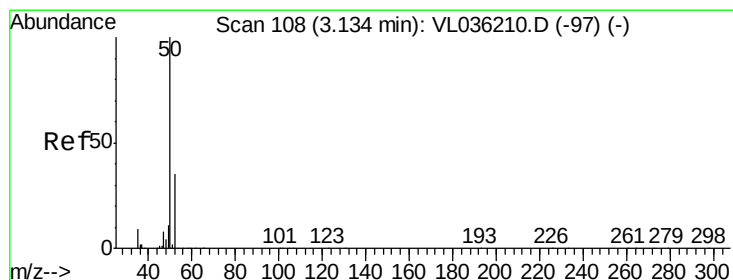
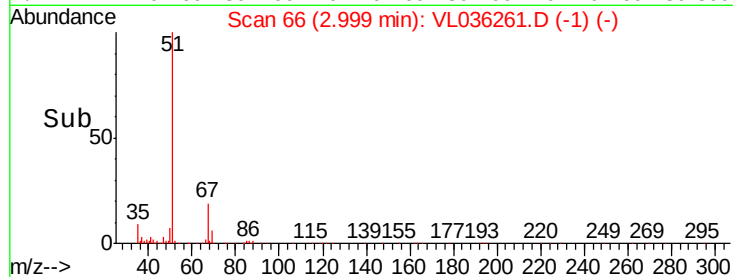
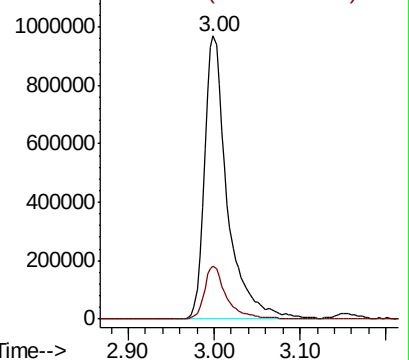
51 100

67 18.3 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.554 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL036261.D

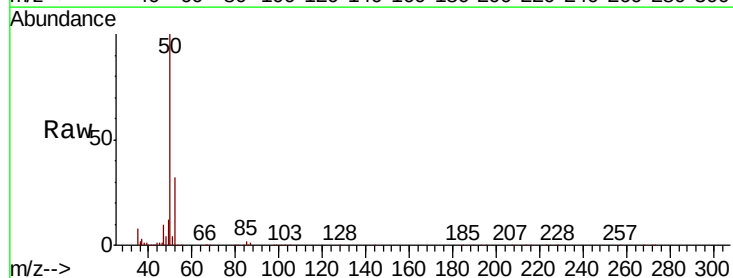
Acq: 22 Jan 2021 9:42

Tgt Ion: 50 Resp: 883534

Ion Ratio Lower Upper

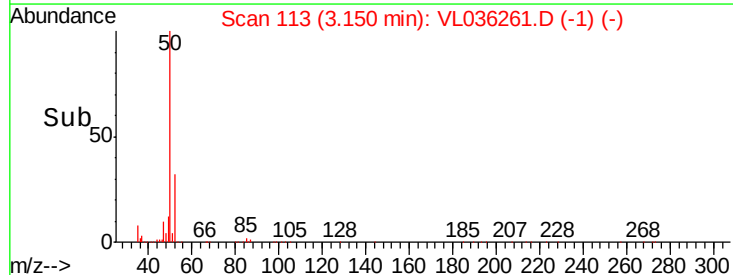
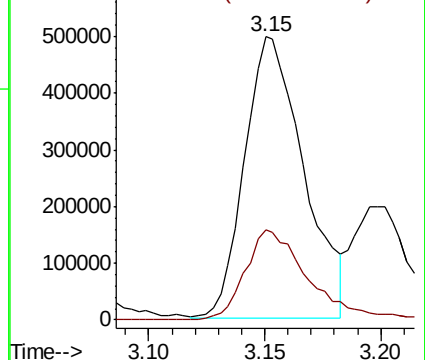
50 100

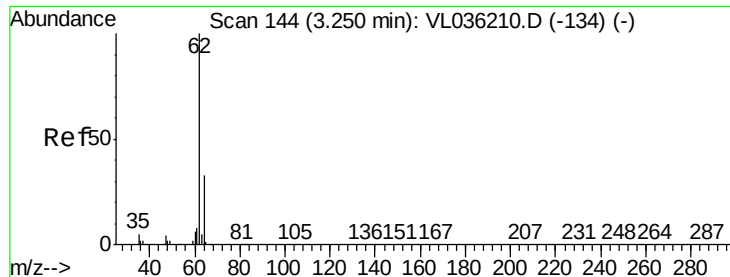
52 32.1 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.931 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

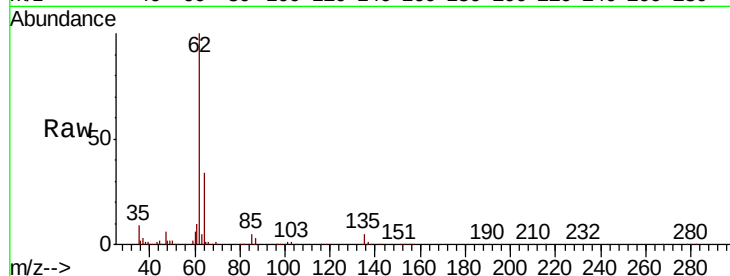
VSTDCCC010

Tot Ion: 62 Resp: 865908

Ion Ratio Lower Upper

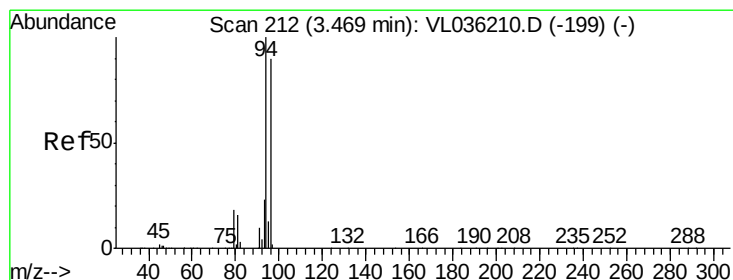
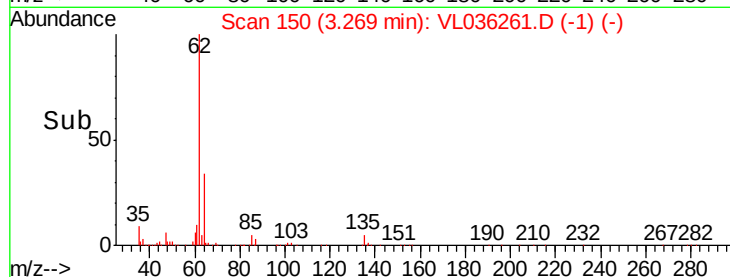
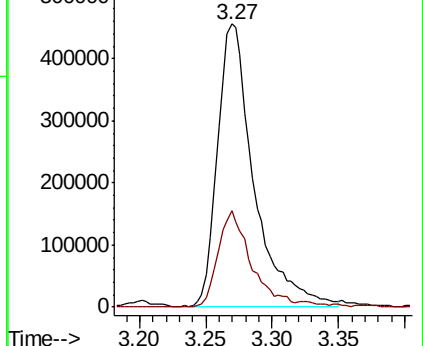
62 100

64 34.3 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.116 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.02 min

Lab File: VL036261.D

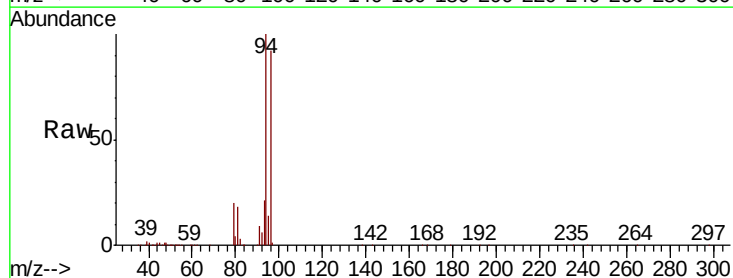
Acq: 22 Jan 2021 9:42

Tgt Ion: 94 Resp: 492300

Ion Ratio Lower Upper

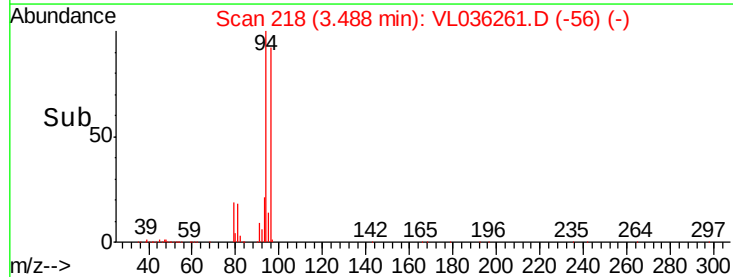
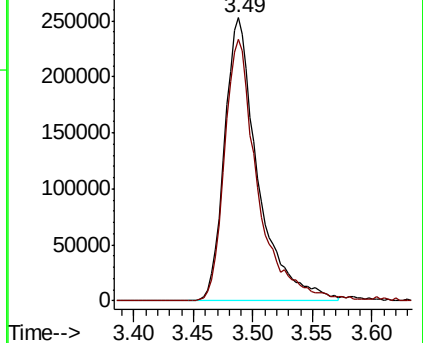
94 100

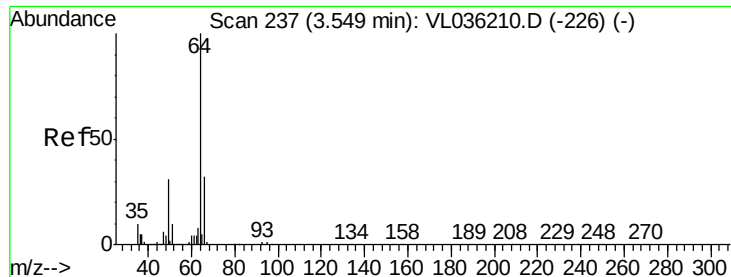
96 92.4 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.686 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

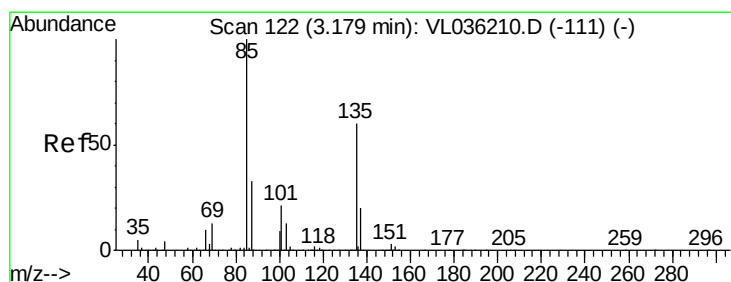
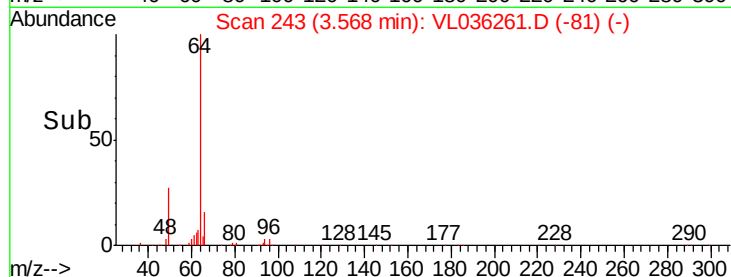
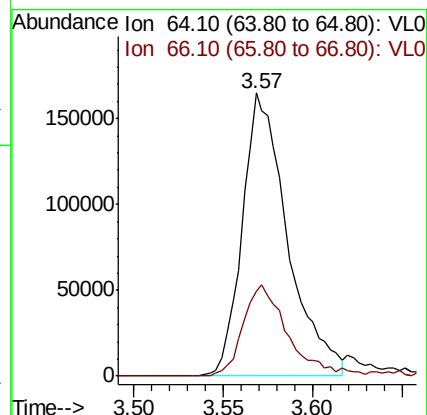
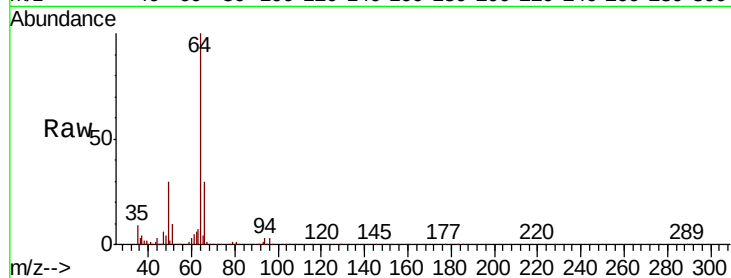
VSTDCCC010

Tot Ion: 64 Resp: 291529

Ion Ratio Lower Upper

64 100

66 30.2 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 10.853 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL036261.D

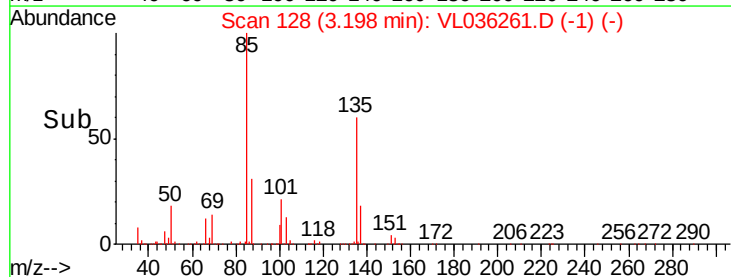
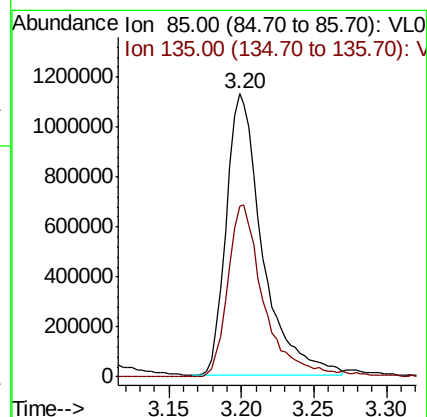
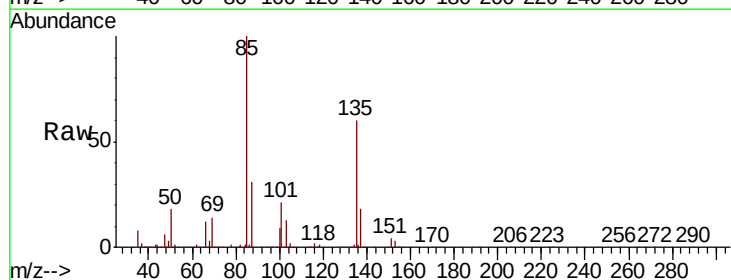
Acq: 22 Jan 2021 9:42

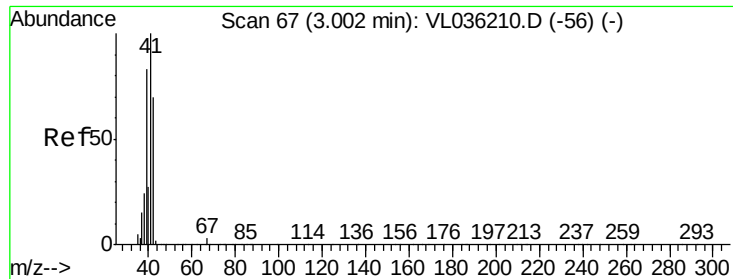
Tgt Ion: 85 Resp: 1943898

Ion Ratio Lower Upper

85 100

135 62.6 51.5 77.3





#9

Propene

Concen: 9.889 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

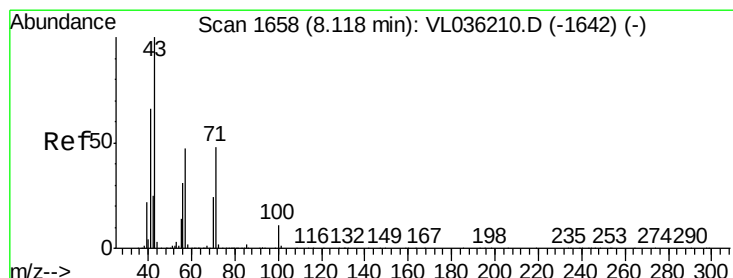
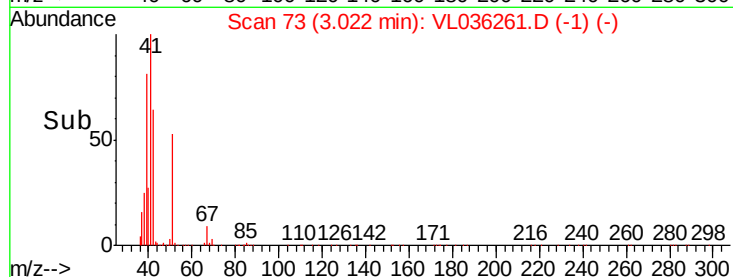
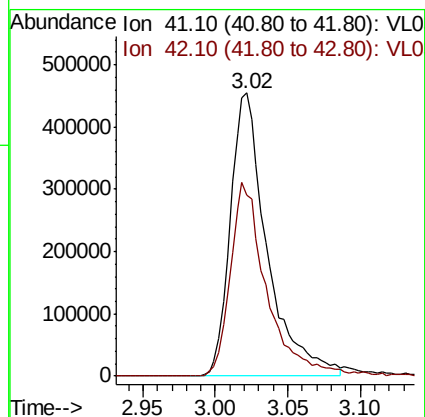
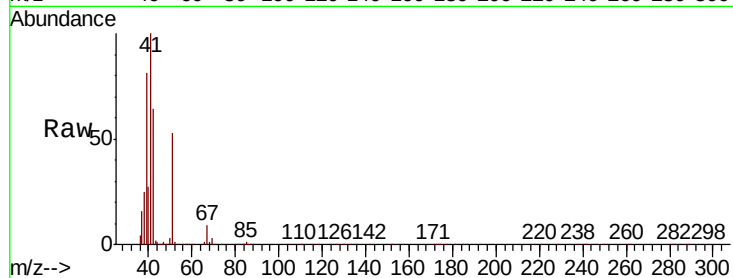
VSTDCCC010

Tot Ion: 41 Resp: 797634

Ion Ratio Lower Upper

41 100

42 69.1 57.1 85.7



#10

Heptane

Concen: 10.166 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.03 min

Lab File: VL036261.D

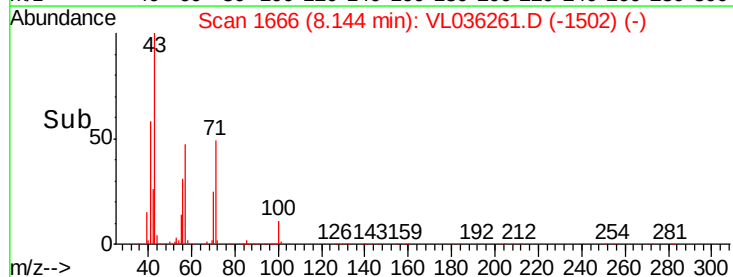
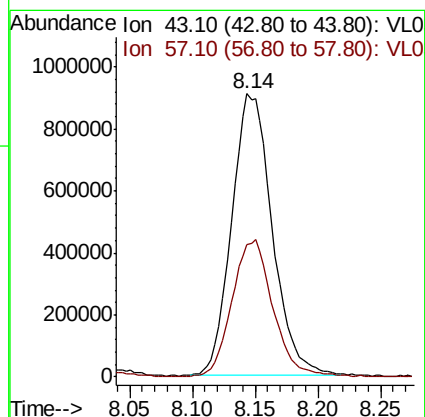
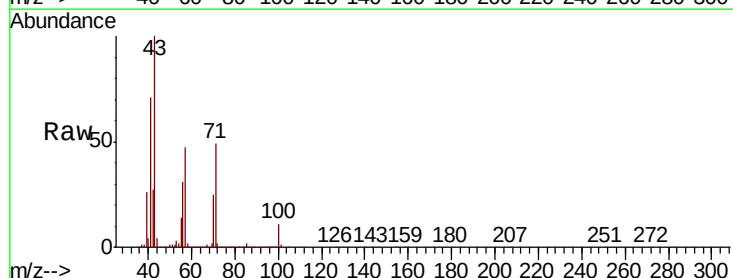
Acq: 22 Jan 2021 9:42

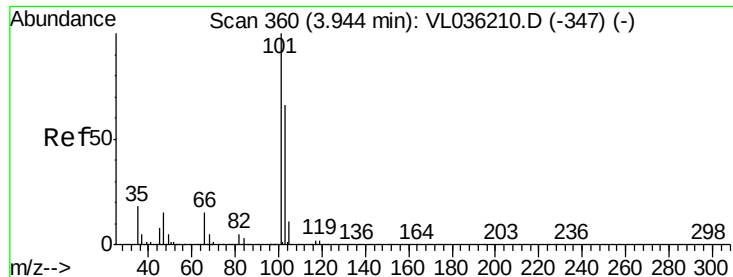
Tgt Ion: 43 Resp: 2035387

Ion Ratio Lower Upper

43 100

57 49.2 38.1 57.1

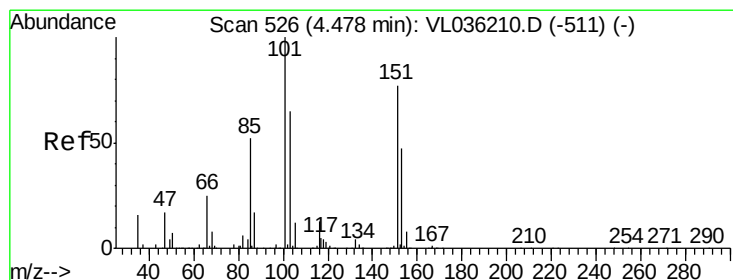
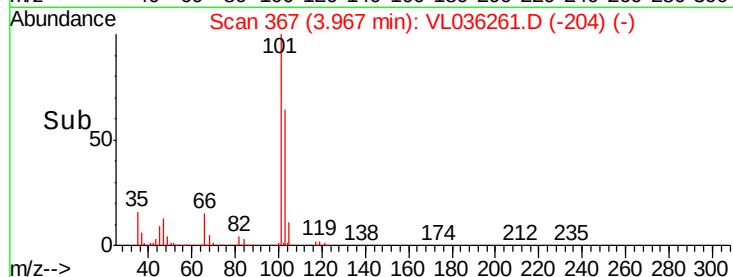
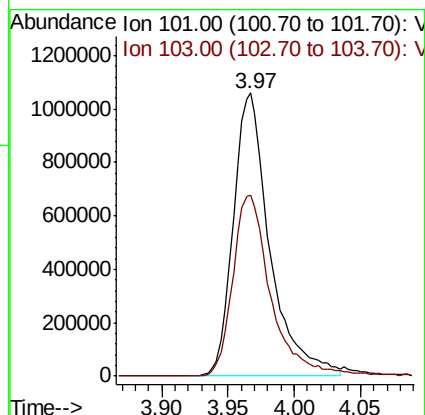
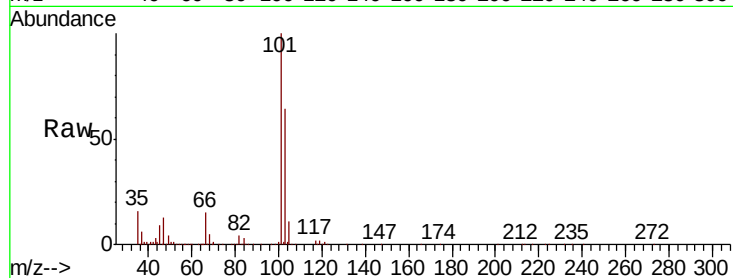




#11
 Trichlorofluoromethane
 Concen: 10.799 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

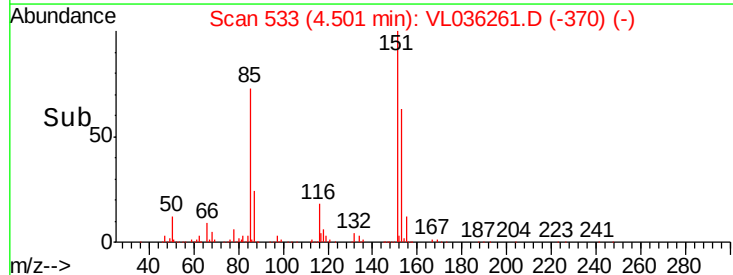
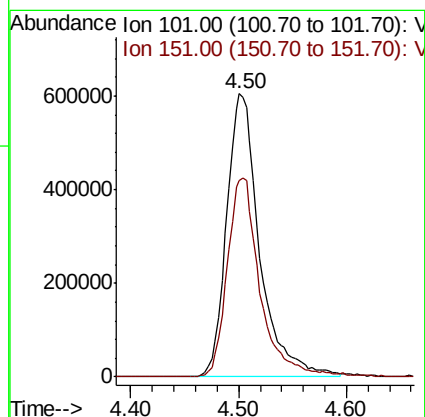
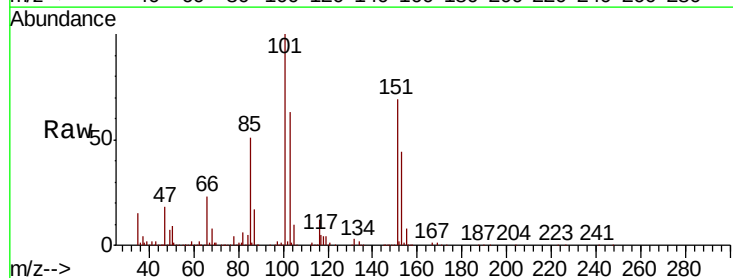
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

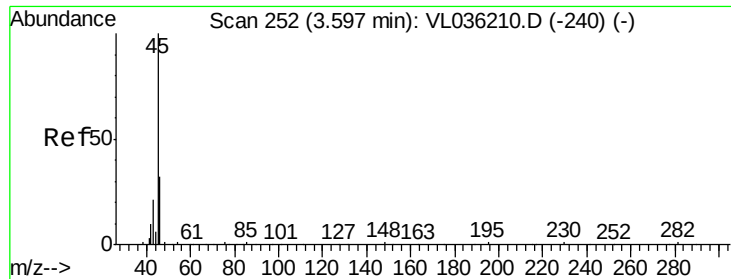
Tot Ion:101 Resp: 2029696
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.308 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion:101 Resp: 1288545
 Ion Ratio Lower Upper
 101 100
 151 70.4 59.8 89.6

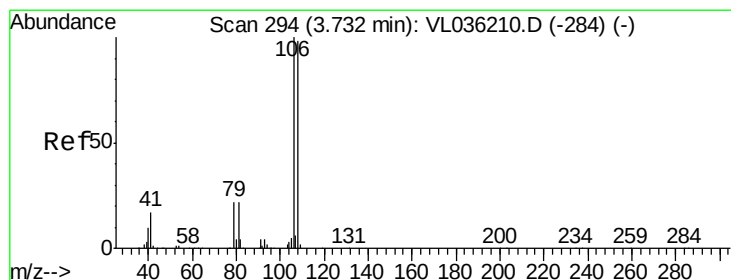
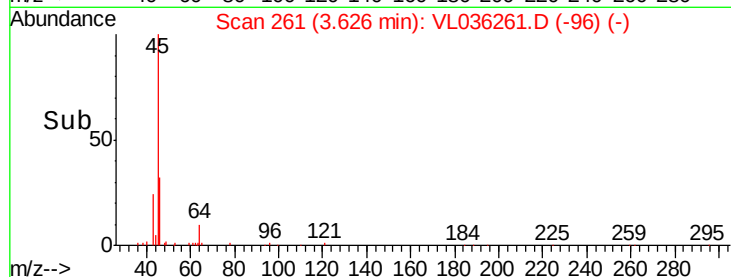
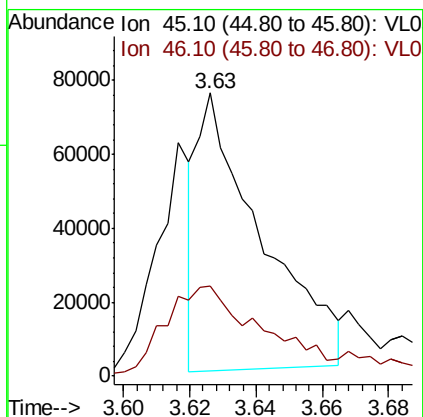
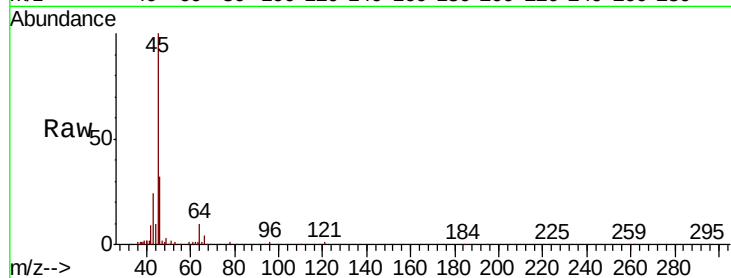




#13
Ethanol
Concen: 7.921 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

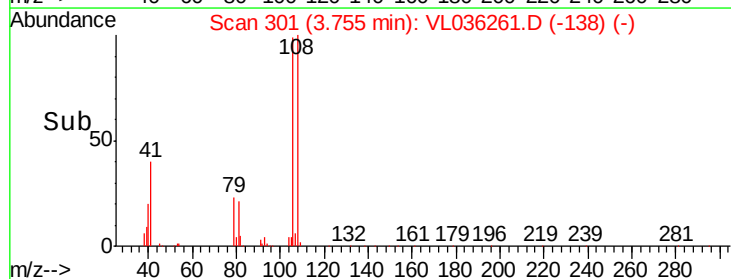
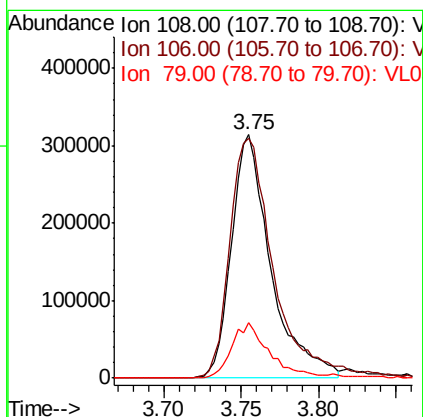
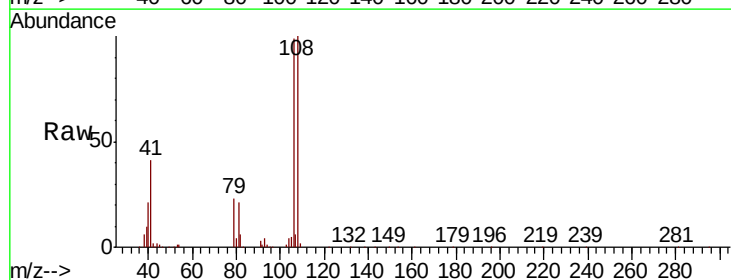
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

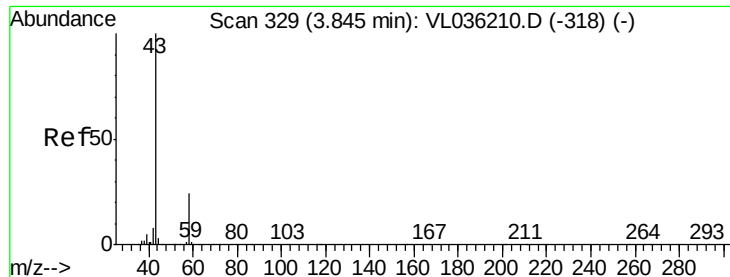
Tot Ion: 45 Resp: 100327
Ion Ratio Lower Upper
45 100
46 61.7 19.2 77.0



#14
Bromoethene
Concen: 10.681 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.02 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 108 Resp: 554178
Ion Ratio Lower Upper
108 100
106 111.6 91.4 137.2
79 23.0 18.3 27.5





#15

Acetone

Concen: 9.738 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

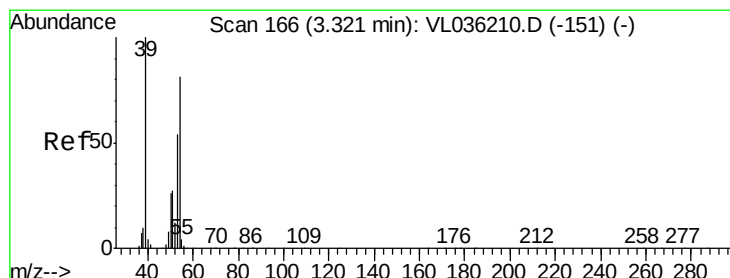
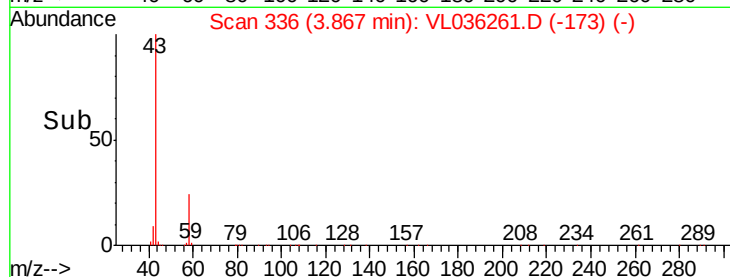
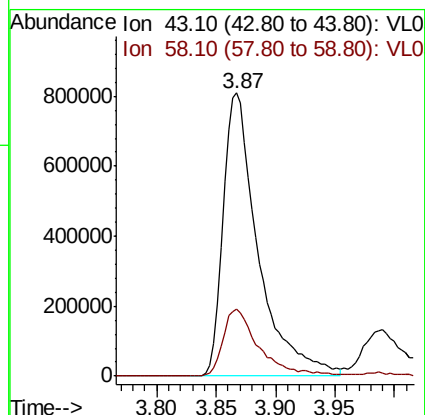
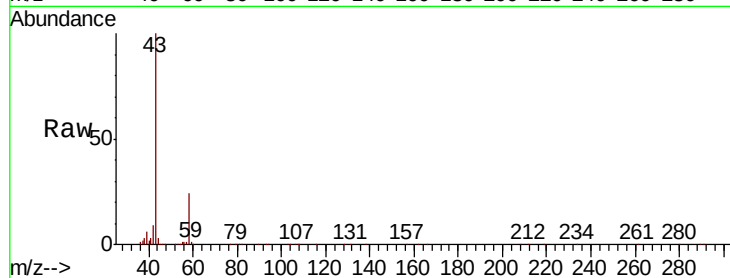
VSTDCCC010

Tot Ion: 43 Resp: 1644794

Ion Ratio Lower Upper

43 100

58 24.6 20.9 31.3



#16

1,3-Butadiene

Concen: 10.404 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.02 min

Lab File: VL036261.D

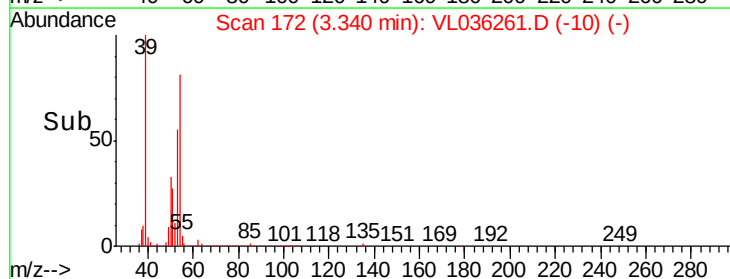
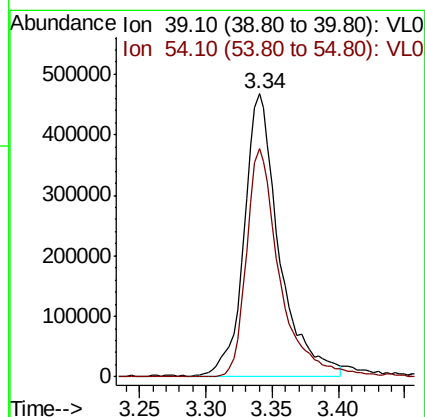
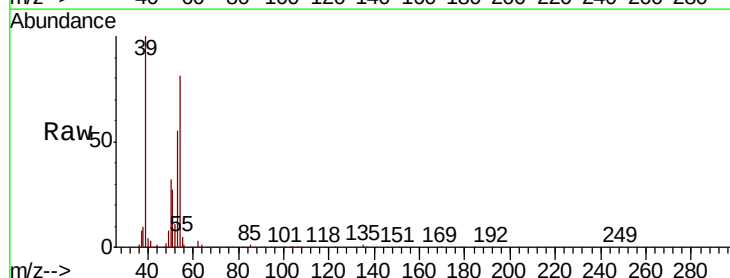
Acq: 22 Jan 2021 9:42

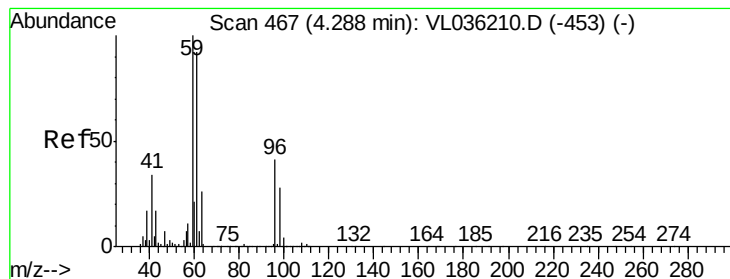
Tgt Ion: 39 Resp: 856079

Ion Ratio Lower Upper

39 100

54 77.9 62.5 93.7





#17

tert-Butyl alcohol

Concen: 11.214 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

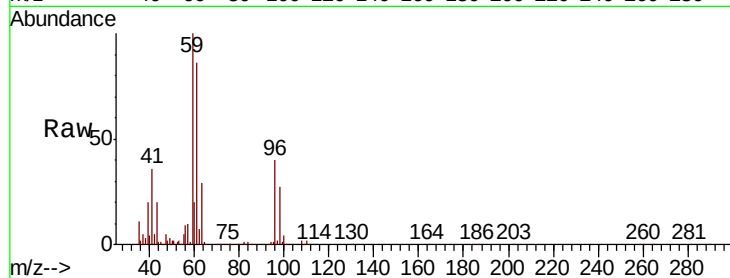
VSTDCCC010

Tot Ion: 59 Resp: 1563074

Ion Ratio Lower Upper

59 100

57 11.4 9.2 13.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.31

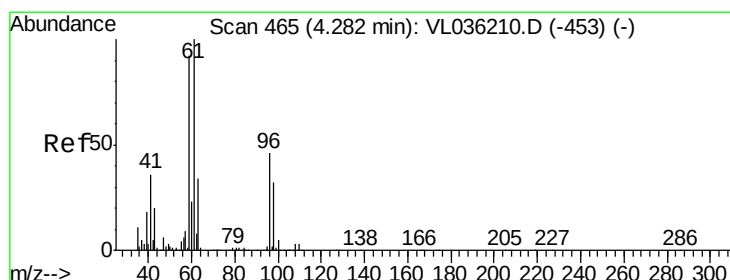
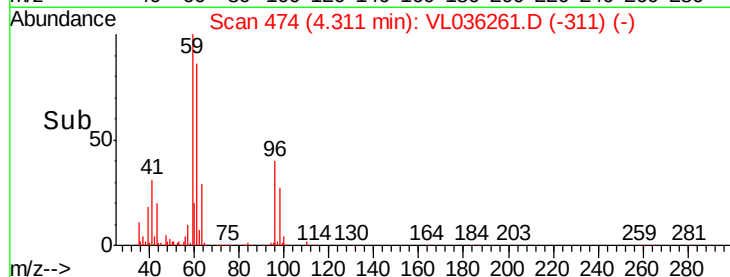
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.307 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

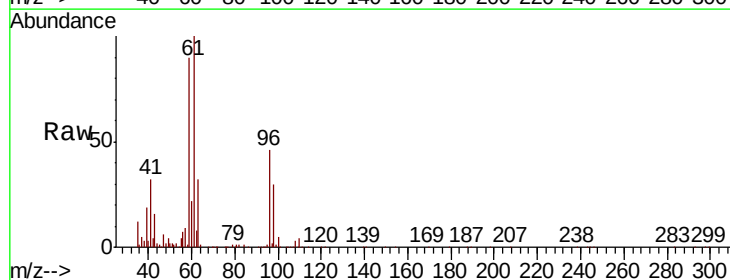
Tgt Ion: 96 Resp: 544507

Ion Ratio Lower Upper

96 100

61 215.7 173.4 260.0

98 65.1 54.9 82.3



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

800000

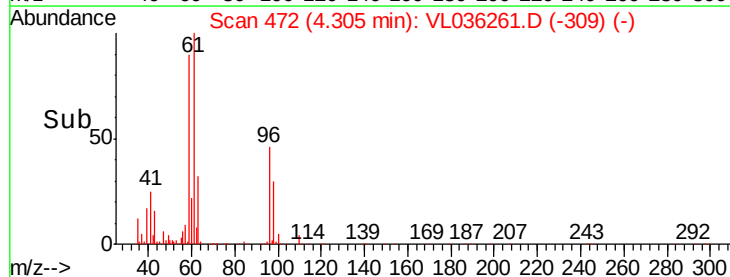
600000

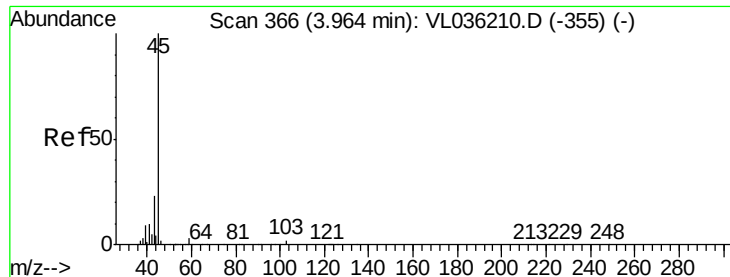
400000

200000

0

Time-->



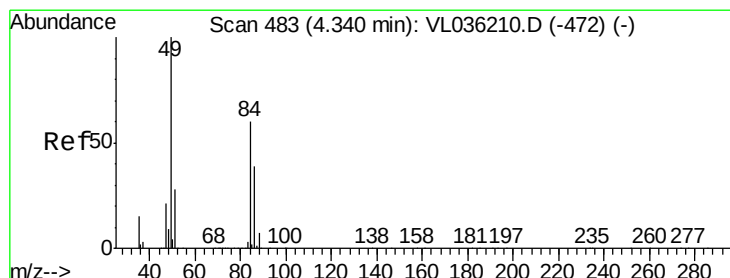
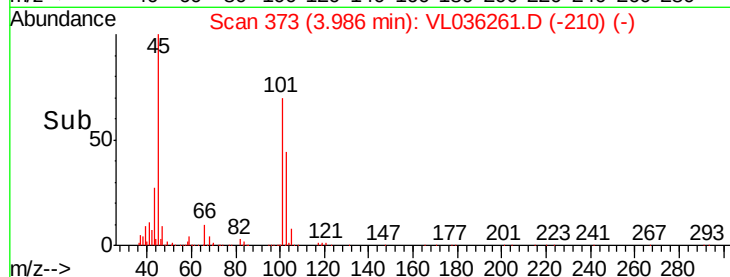
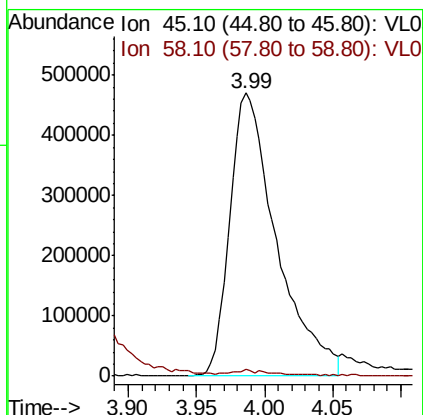
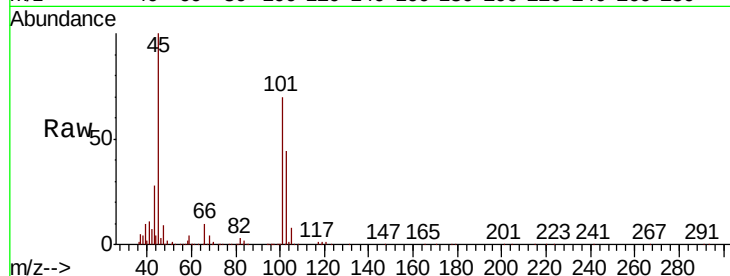


#19

Isopropyl Alcohol
 Concen: 10.957 ppbv
 RT: 3.99 min Scan# 373
 Delta R.T. 0.02 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

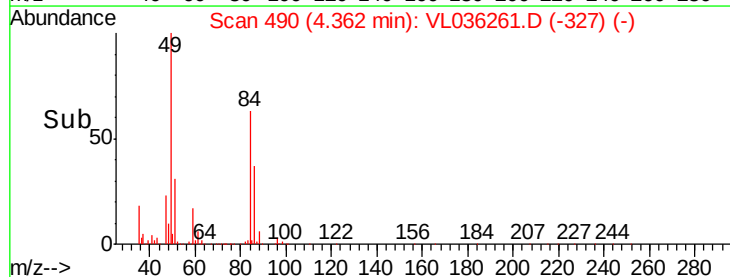
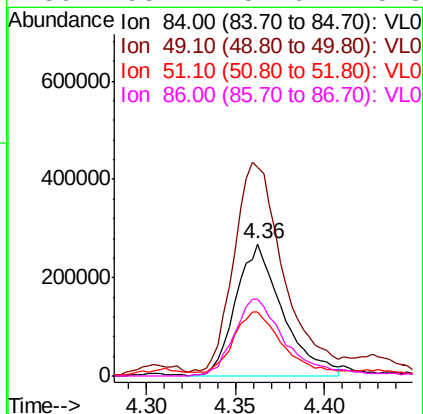
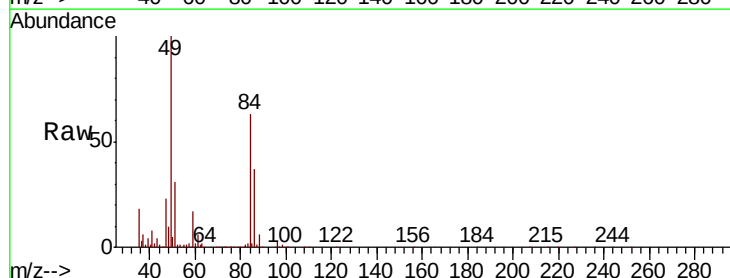
Tot Ion: 45 Resp: 1115692
 Ion Ratio Lower Upper
 45 100
 58 2.8 1.9 2.9

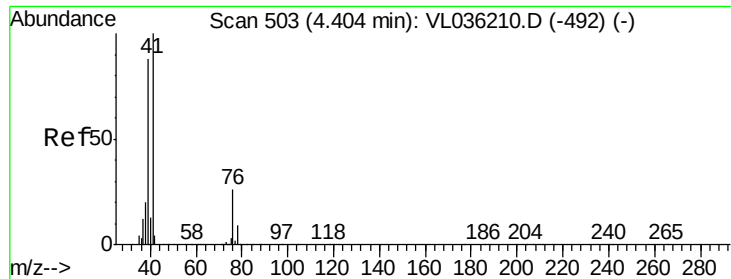


#20

Methylene Chloride
 Concen: 9.052 ppbv
 RT: 4.36 min Scan# 490
 Delta R.T. 0.02 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion: 84 Resp: 487968
 Ion Ratio Lower Upper
 84 100
 49 154.9 134.1 201.1
 51 45.3 37.4 56.0
 86 58.4 52.6 78.8

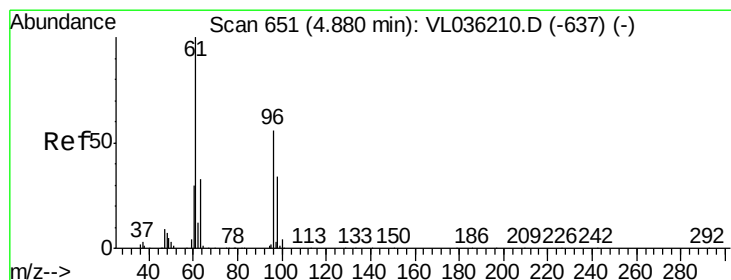
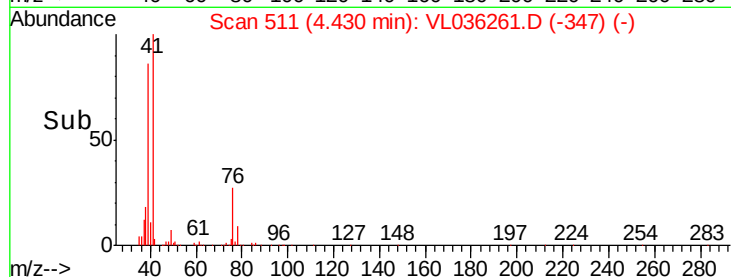
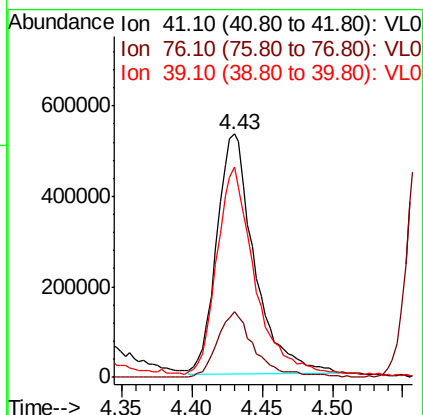
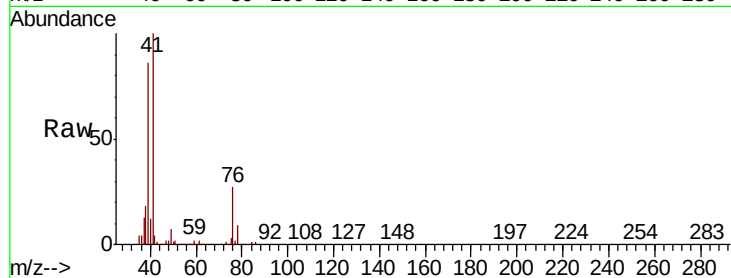




#21
Allvl Chloride
Concen: 10.837 ppbv
RT: 4.43 min Scan# 511
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

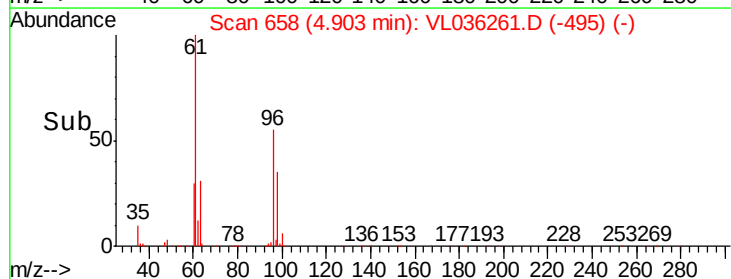
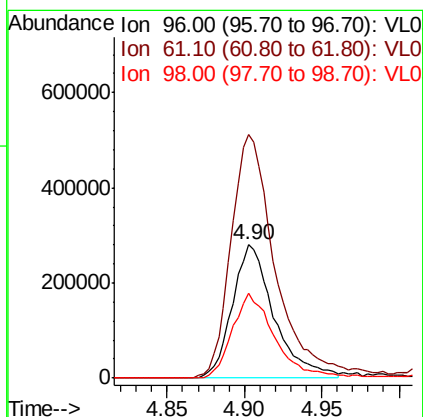
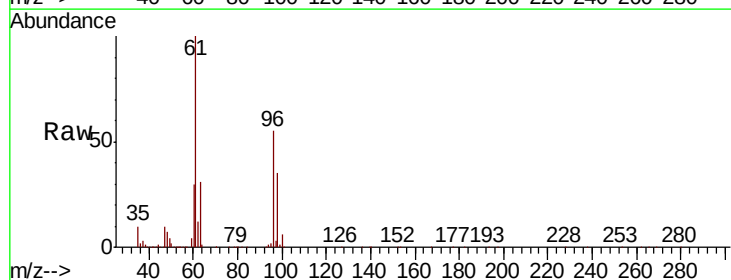
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

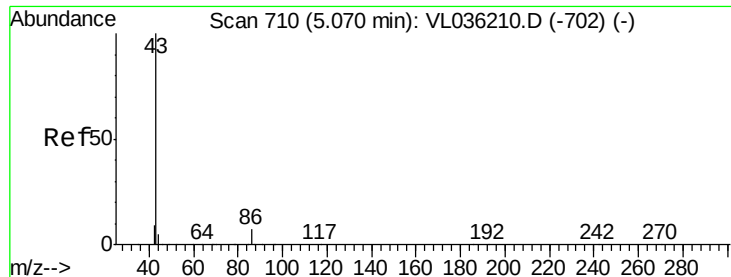
Tot Ion: 41 Resp: 996353
Ion Ratio Lower Upper
41 100
76 27.1 20.5 30.7
39 88.3 67.8 101.8



#22
trans-1,2-Dichloroethene
Concen: 10.762 ppbv
RT: 4.90 min Scan# 658
Delta R.T. 0.02 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 96 Resp: 525283
Ion Ratio Lower Upper
96 100
61 182.4 142.7 214.1
98 63.5 48.7 73.1





#23

Vinyl Acetate

Concen: 11.324 ppbv

RT: 5.10 min Scan# 718

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2317638

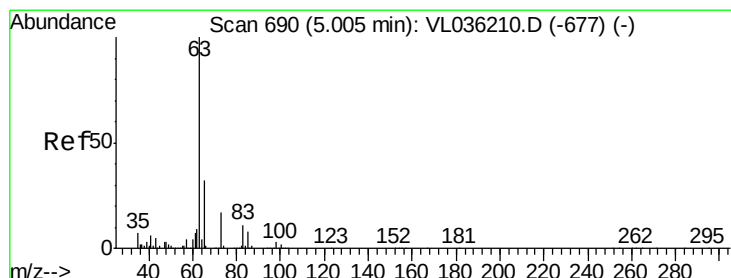
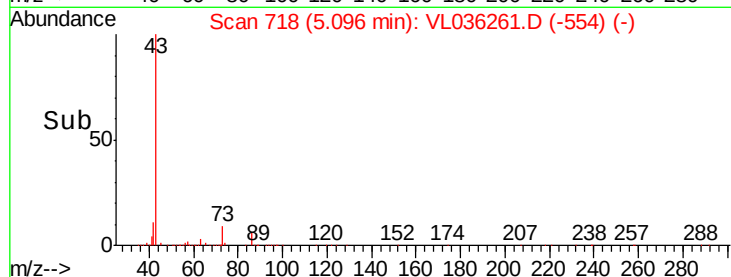
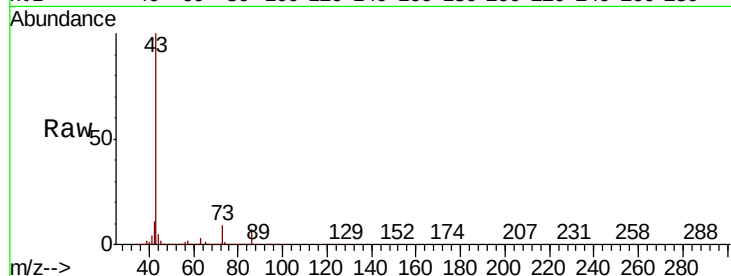
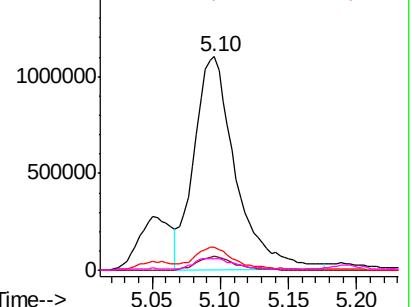
Ion	Ratio	Lower	Upper
43	100		
86	6.6	4.9	7.3
42	10.4	7.8	11.6
44	4.7	3.7	5.5

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: 10.789 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

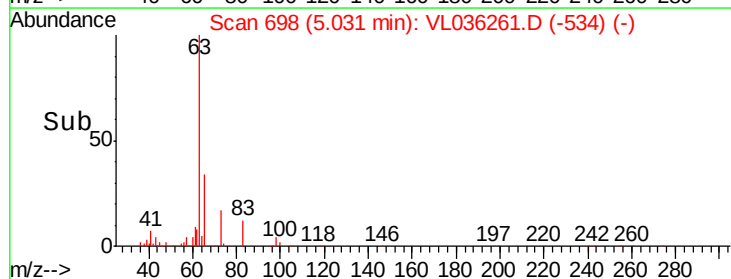
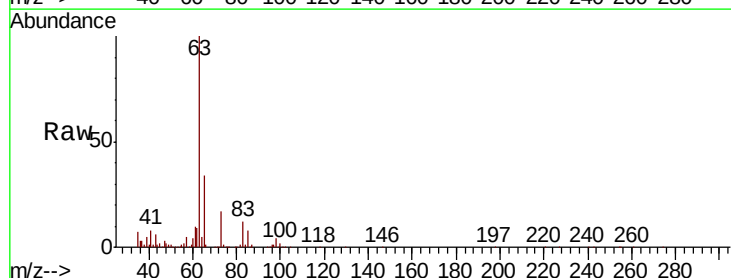
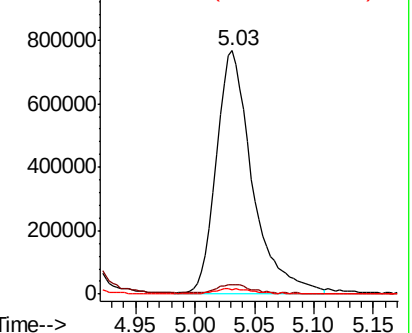
Tgt Ion: 63 Resp: 1599574

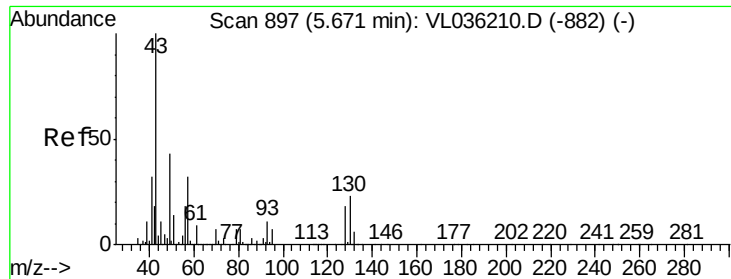
Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.7	5.1
100	1.9	1.1	3.1

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



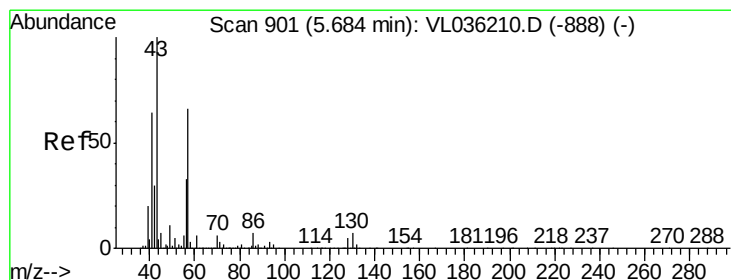
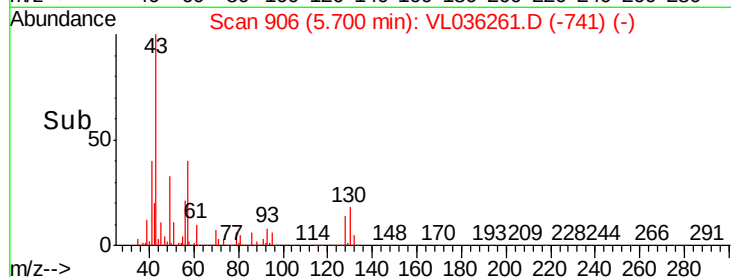
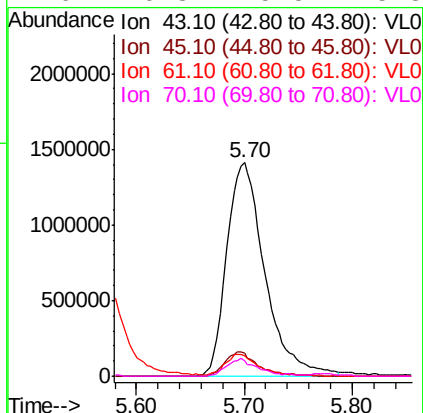
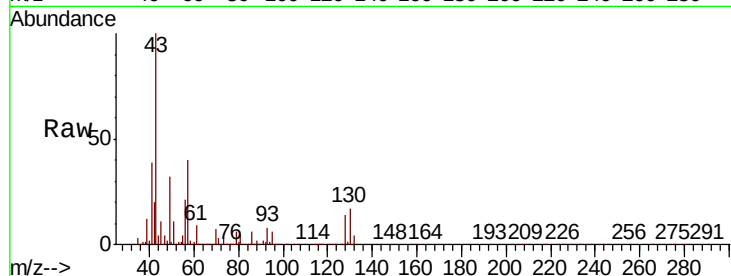


#25
Ethyl Acetate
Concen: 10.188 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 3454916

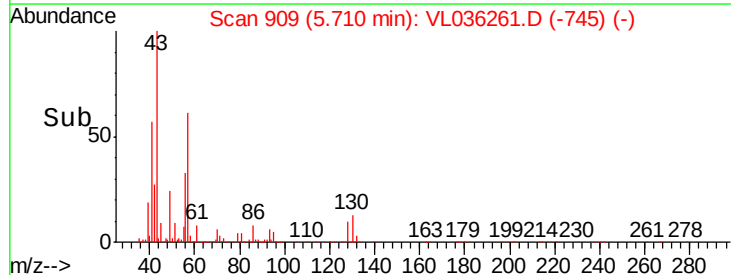
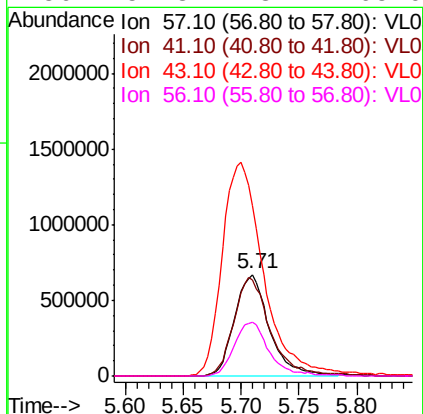
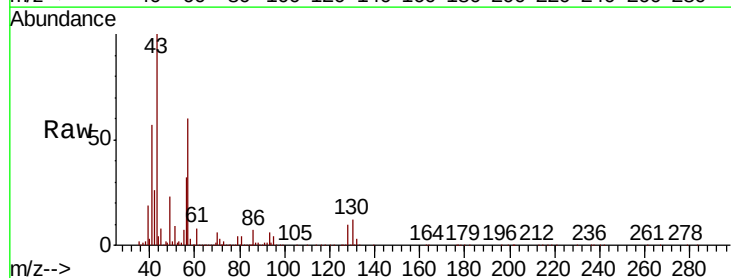
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.1	7.4	11.2
70	6.8	5.5	8.3

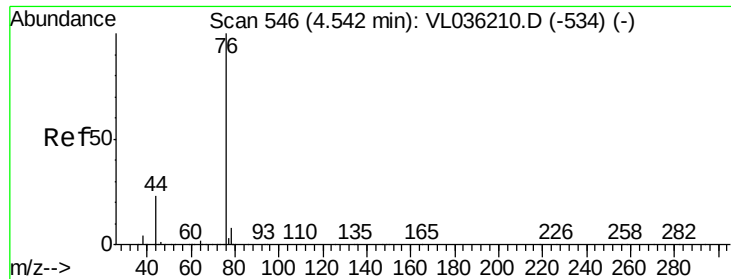


#26
Hexane
Concen: 9.897 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 57 Resp: 1397264

Ion	Ratio	Lower	Upper
57	100		
41	102.2	83.0	124.6
43	251.9	202.4	303.6
56	54.3	43.4	65.0





#27

Carbon Disulfide

Concen: 12.207 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

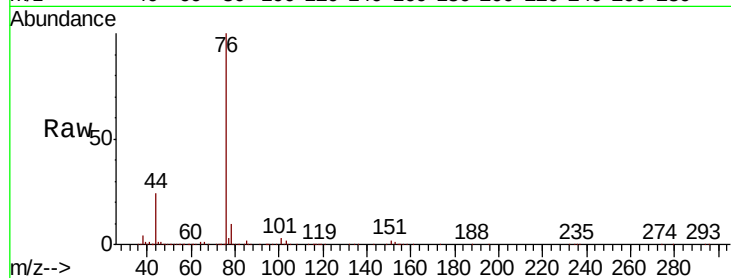
Tot Ion: 76 Resp: 1378081

Ion Ratio Lower Upper

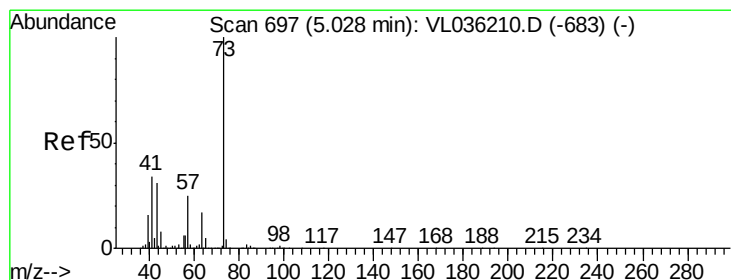
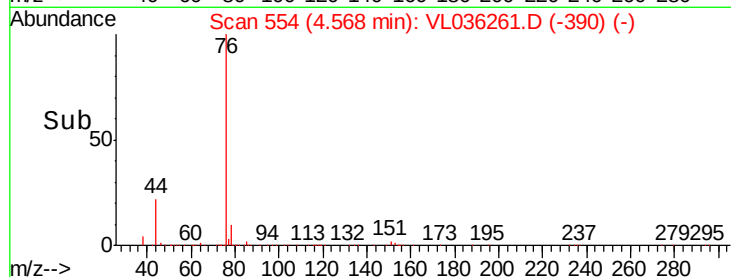
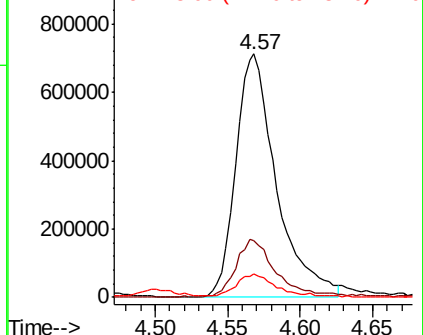
76 100

44 23.5 19.0 28.6

78 10.1 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.399 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.02 min

Lab File: VL036261.D

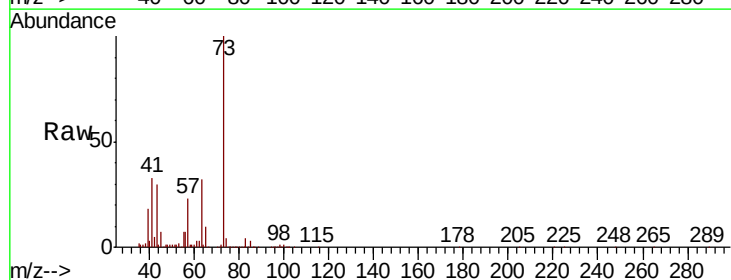
Acq: 22 Jan 2021 9:42

Tgt Ion: 73 Resp: 1985629

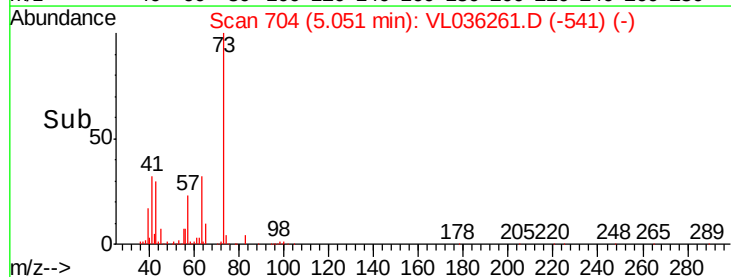
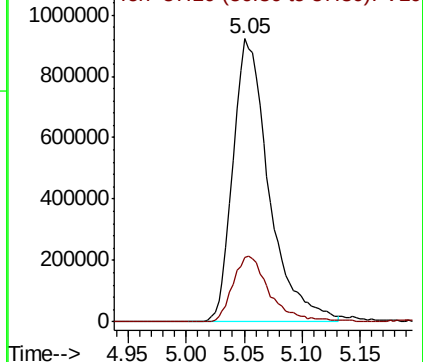
Ion Ratio Lower Upper

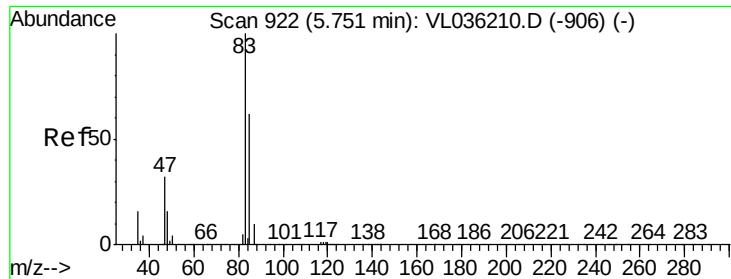
73 100

57 24.0 20.4 30.6



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

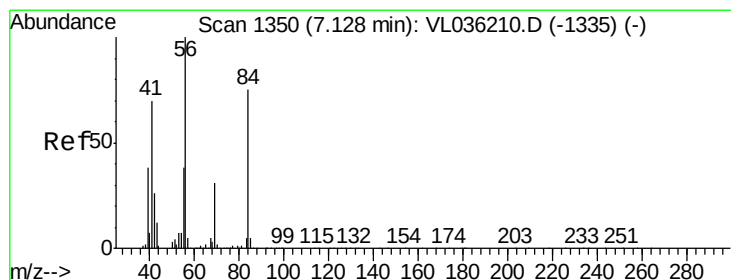
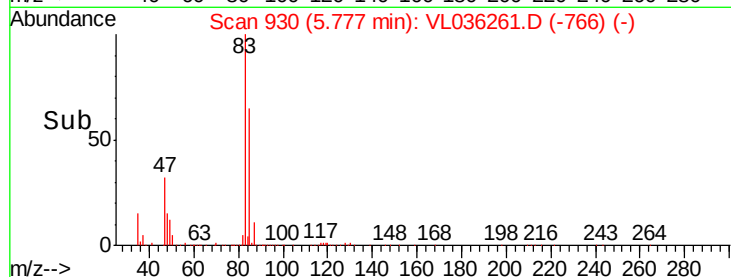
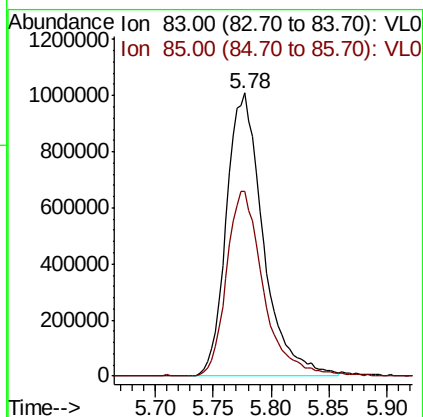
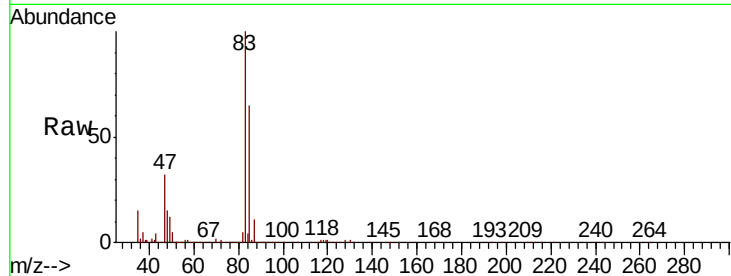




#29
Chloroform
Concen: 11.002 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

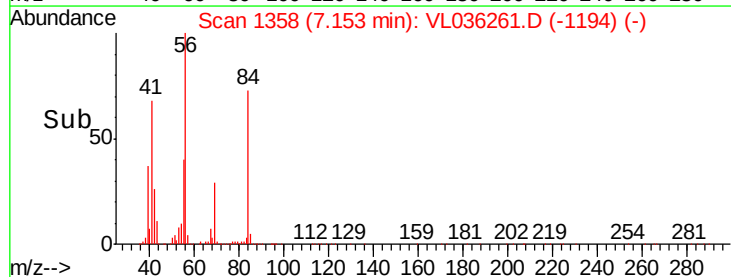
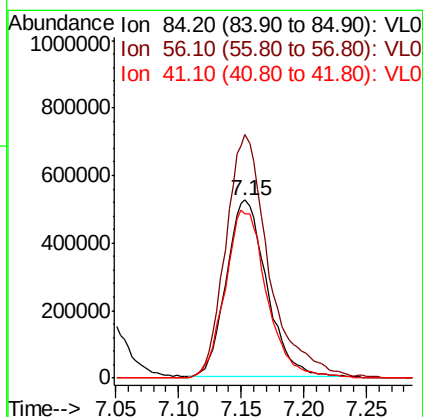
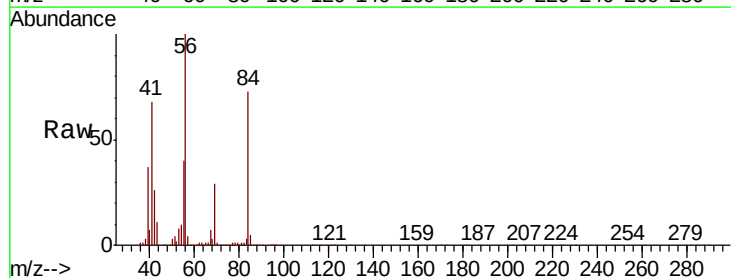
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

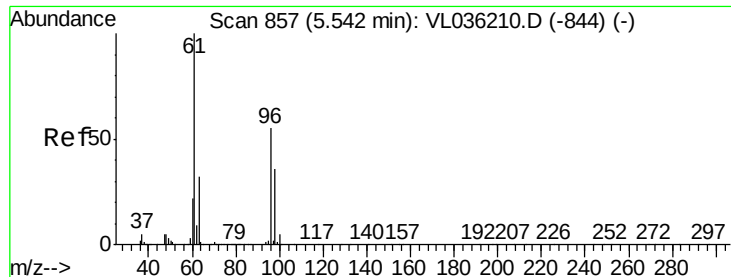
Tot Ion: 83 Resp: 2224145
Ion Ratio Lower Upper
83 100
85 65.2 49.3 73.9



#30
Cyclohexane
Concen: 10.856 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 84 Resp: 1171230
Ion Ratio Lower Upper
84 100
56 148.1 119.4 179.0
41 97.4 79.4 119.0



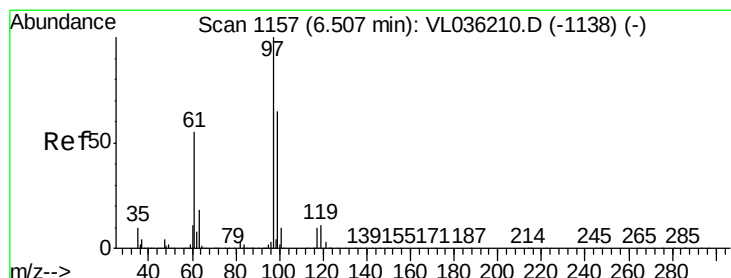
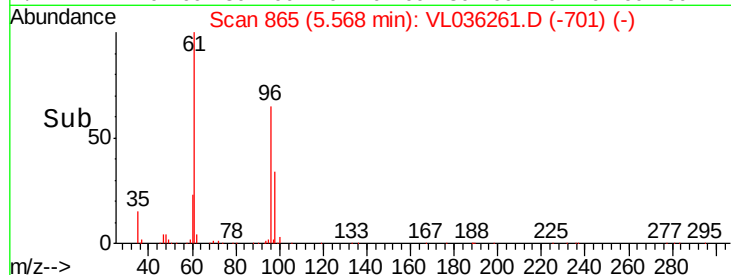
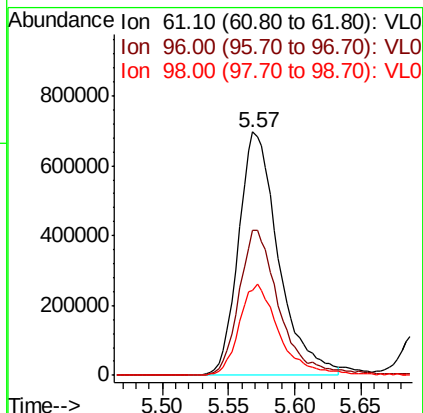
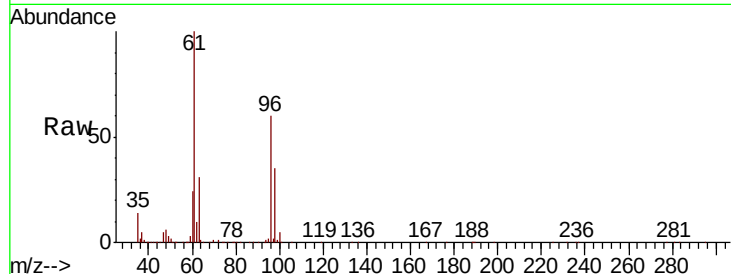


#31

cis-1,2-Dichloroethene
 Concen: 10.841 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

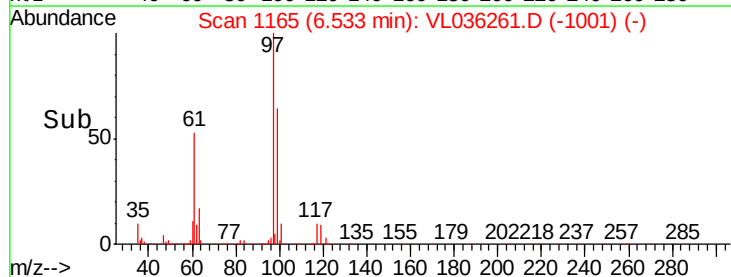
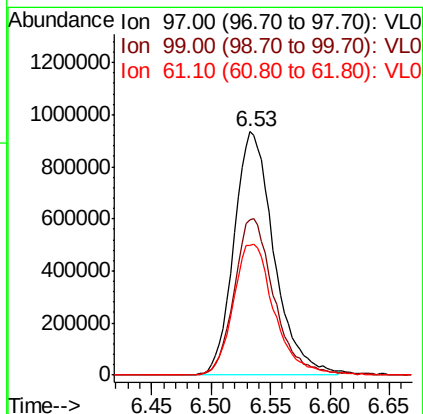
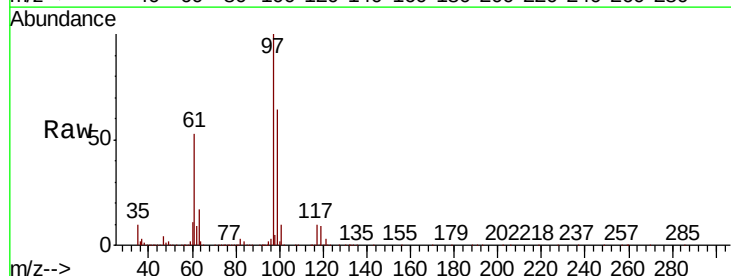
Tot Ion: 61 Resp: 1462966
 Ion Ratio Lower Upper
 61 100
 96 59.7 44.1 66.1
 98 35.0 28.6 42.8

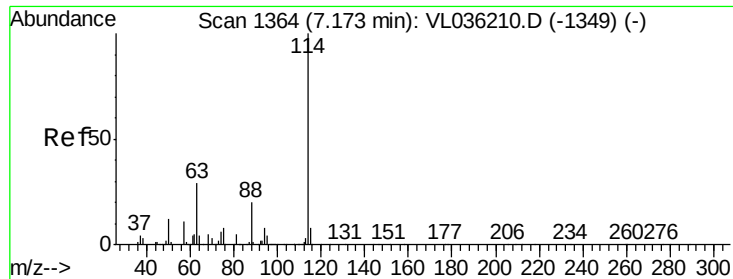


#32

1,1,1-Trichloroethane
 Concen: 11.131 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion: 97 Resp: 2176292
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.0 78.0
 61 55.5 43.6 65.4

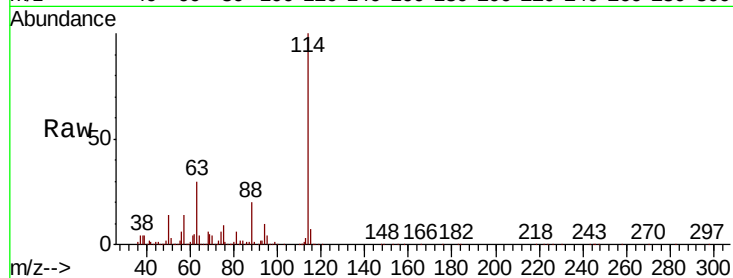




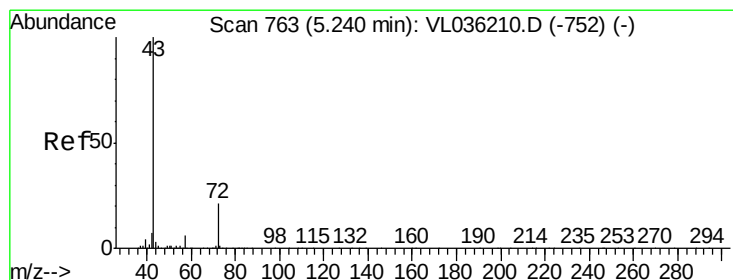
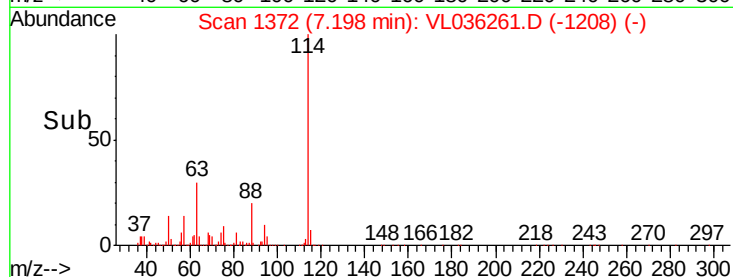
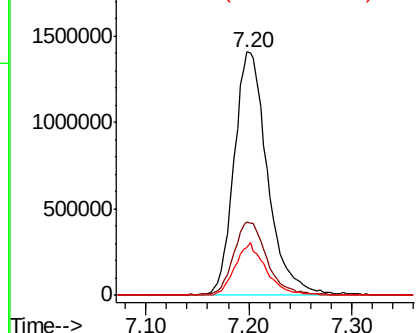
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3172568
 Ion Ratio Lower Upper
 114 100
 63 30.7 24.7 37.1
 88 20.2 16.6 24.8

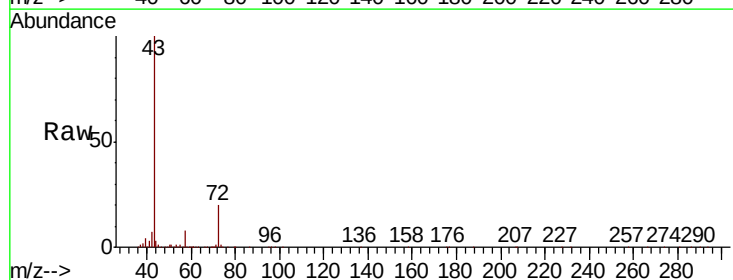


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

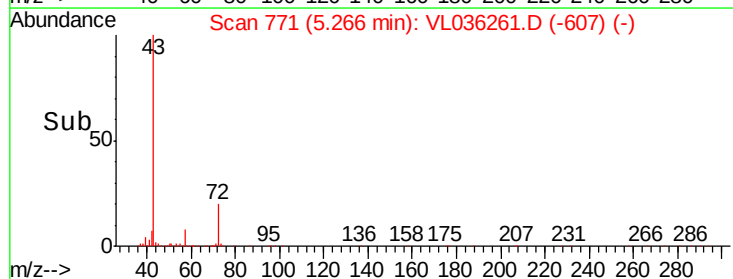
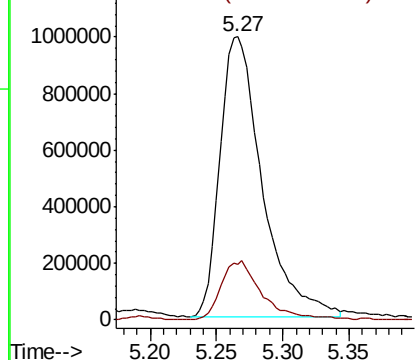


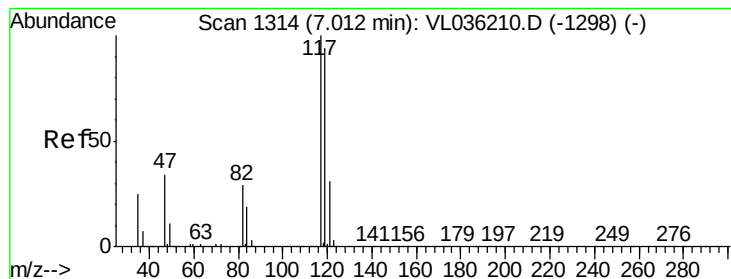
#34
 2-Butanone
 Concen: 9.405 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion: 43 Resp: 2197407
 Ion Ratio Lower Upper
 43 100
 72 20.9 16.1 24.1



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





#35

Carbon Tetrachloride

Concen: 10.863 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

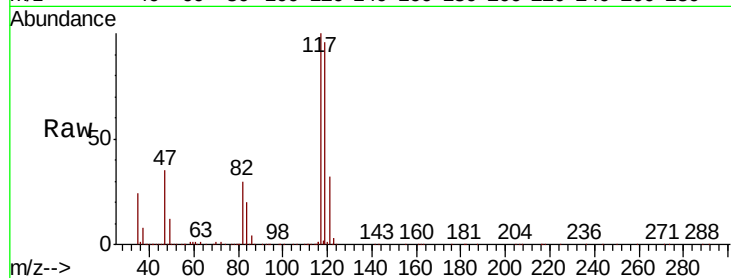
Tot Ion:117 Resp: 2177475

Ion Ratio Lower Upper

117 100

119 95.6 74.9 112.3

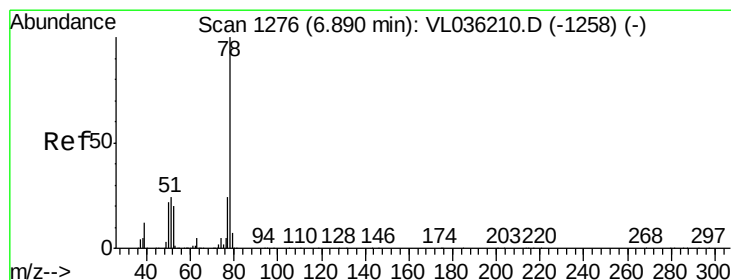
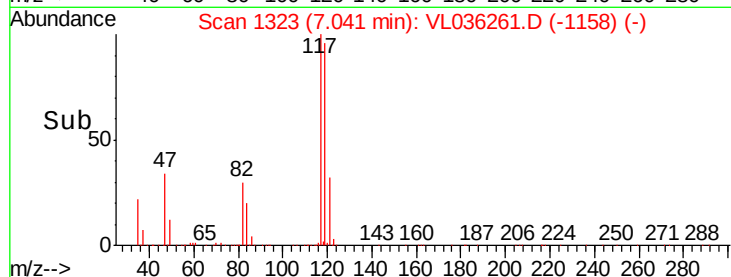
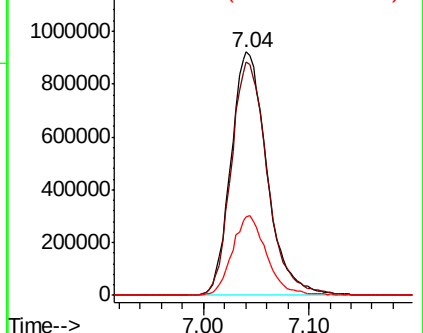
121 32.3 25.0 37.6



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: 10.041 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

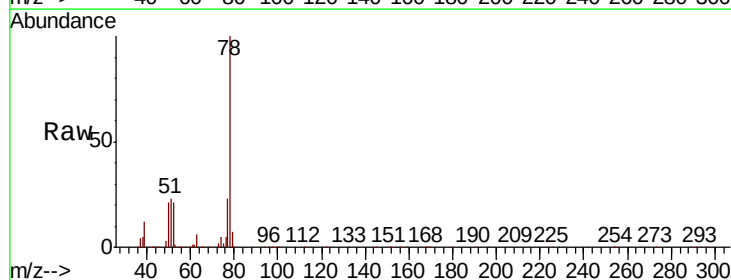
Tgt Ion: 78 Resp: 2918787

Ion Ratio Lower Upper

78 100

77 23.1 19.4 29.0

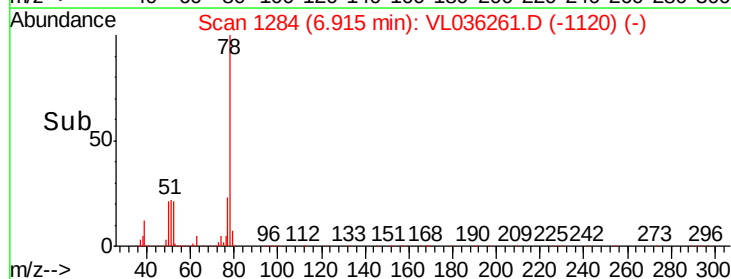
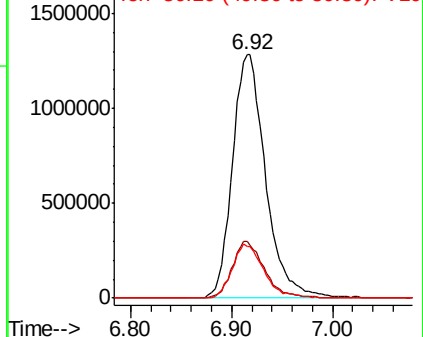
50 21.0 17.4 26.2

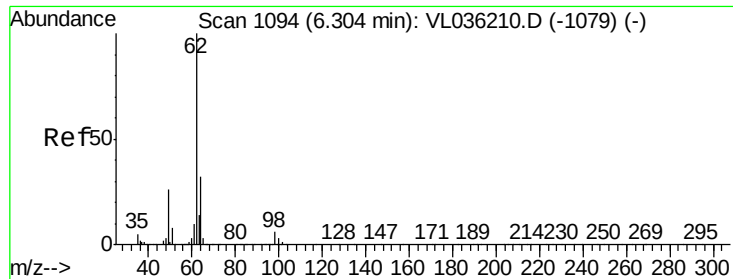


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

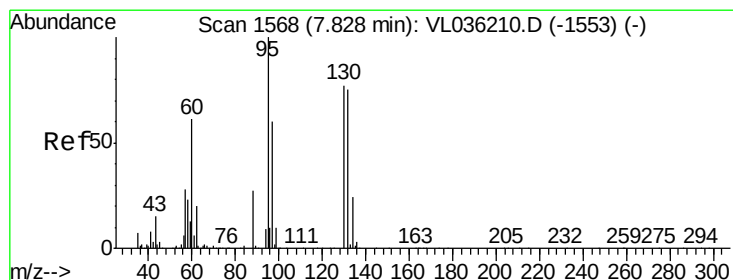
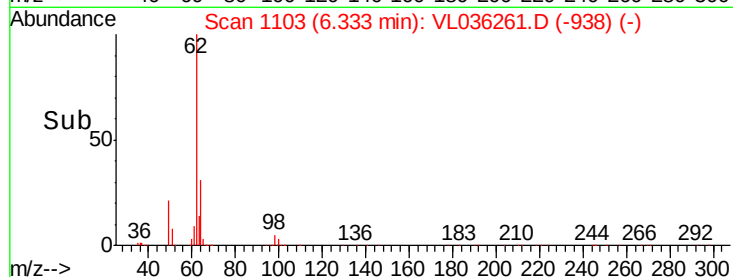
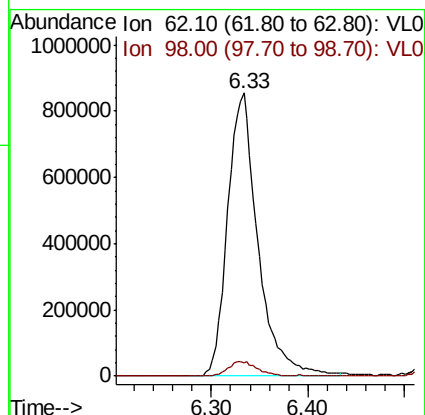
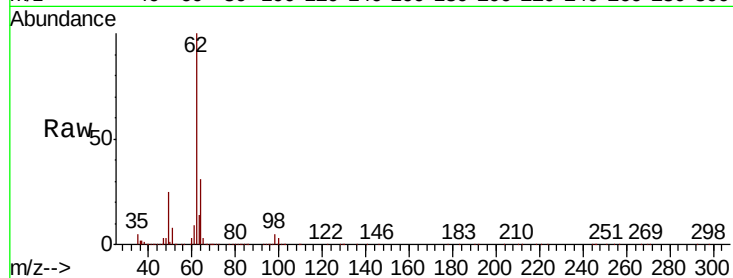




#37
 1,2-Dichloroethane
 Concen: 10.646 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

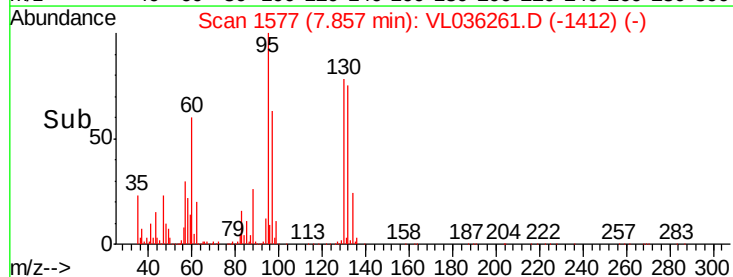
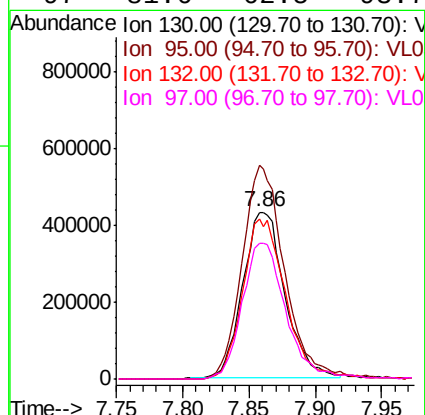
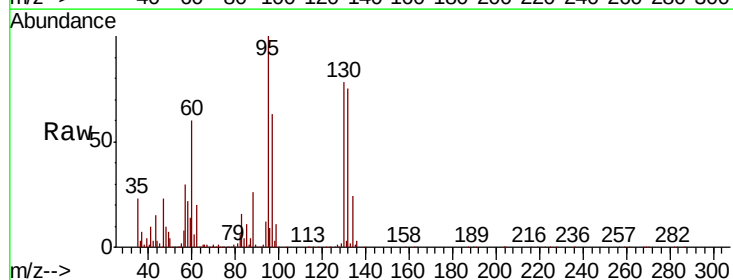
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

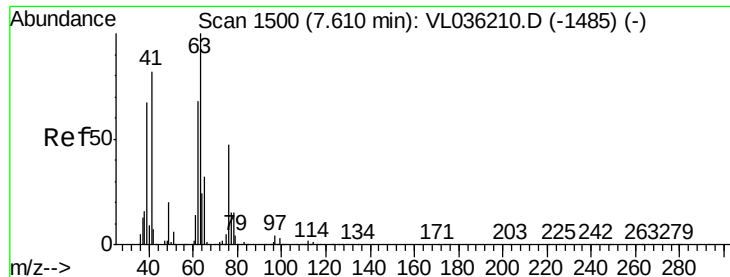
Tot Ion: 62 Resp: 1862248
 Ion Ratio Lower Upper
 62 100
 98 5.2 4.4 6.6



#38
 Trichloroethene
 Concen: 8.865 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion: 130 Resp: 954414
 Ion Ratio Lower Upper
 130 100
 95 128.9 103.9 155.9
 132 96.3 77.4 116.2
 97 81.6 62.5 93.7





#39

1,2-Dichloropropane

Concen: 10.041 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

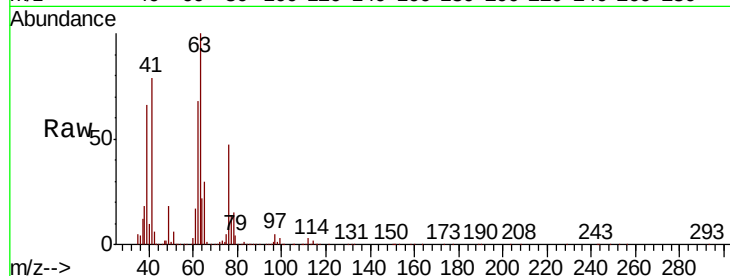
Tot Ion: 63 Resp: 1185141

Ion Ratio Lower Upper

63 100

41 79.1 66.1 99.1

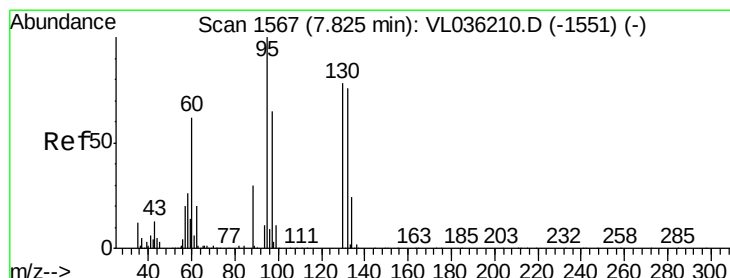
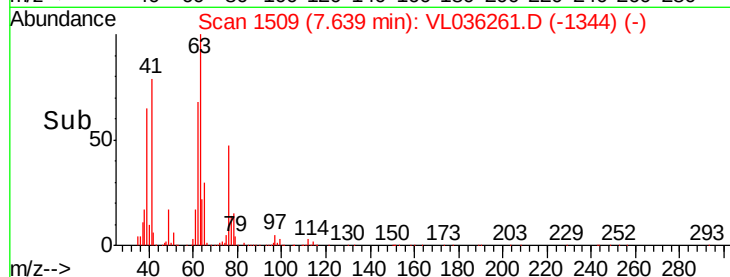
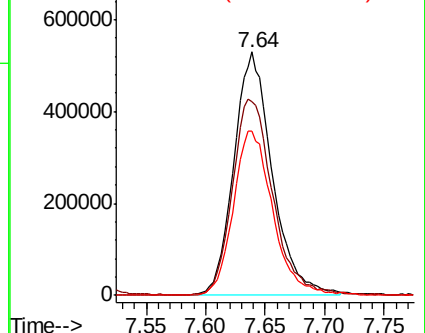
62 67.6 54.8 82.2



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: 8.978 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tgt Ion: 88 Resp: 383326

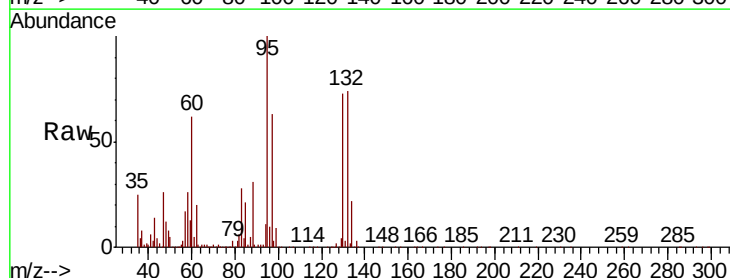
Ion Ratio Lower Upper

88 100

58 0.0 123.0 184.6#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

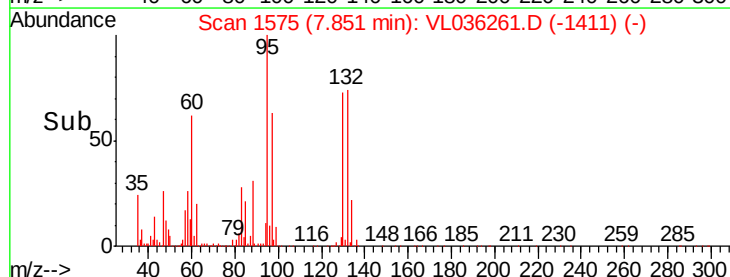
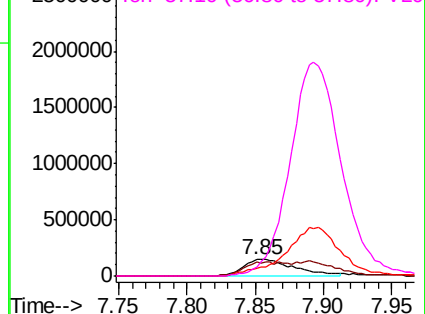


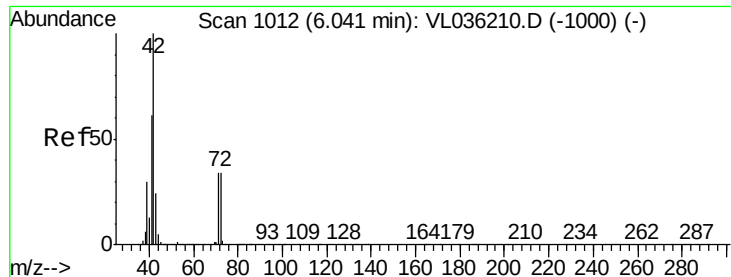
Abundance Ion 88.10 (87.80 to 88.80): VL0

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



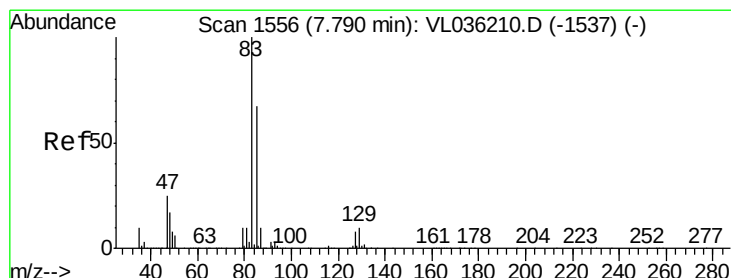
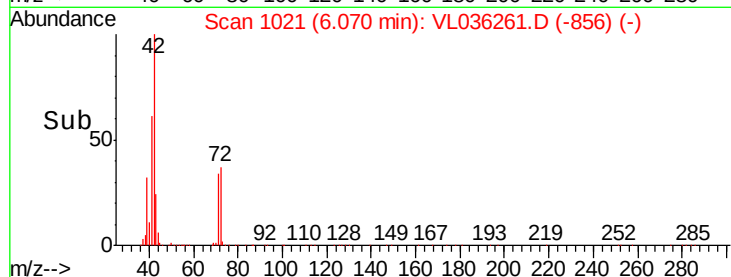
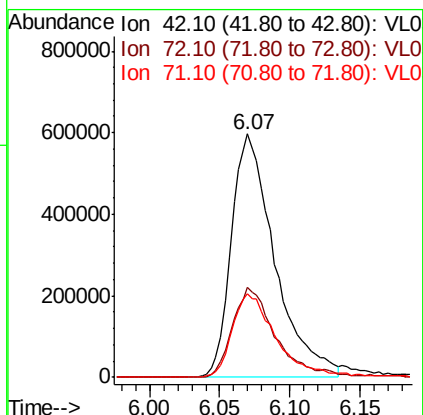
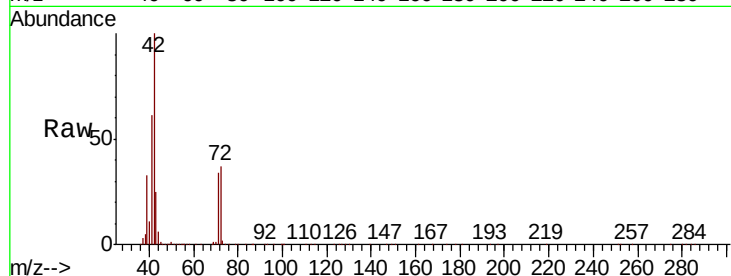


#41
Tetrahydrofuran
Concen: 9.513 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 42 Resp: 1284452

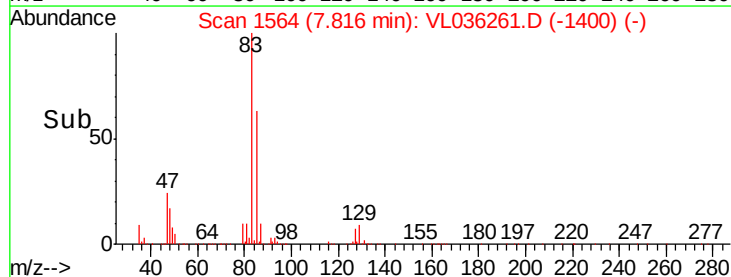
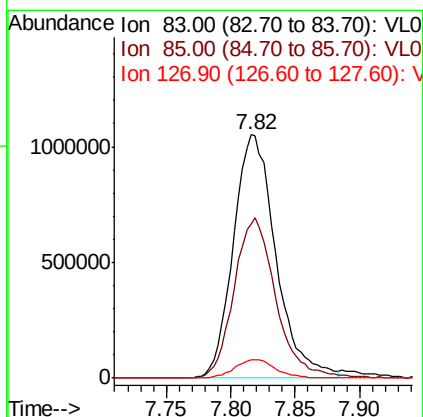
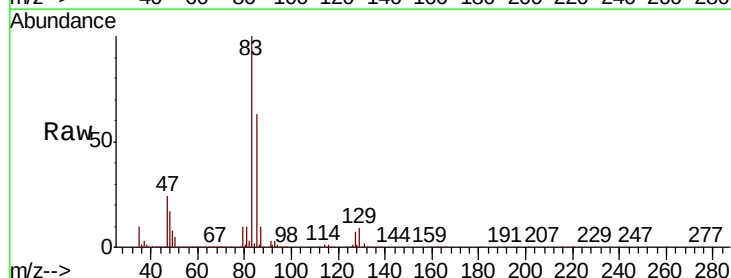
Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.5	44.3
71	35.9	29.1	43.7

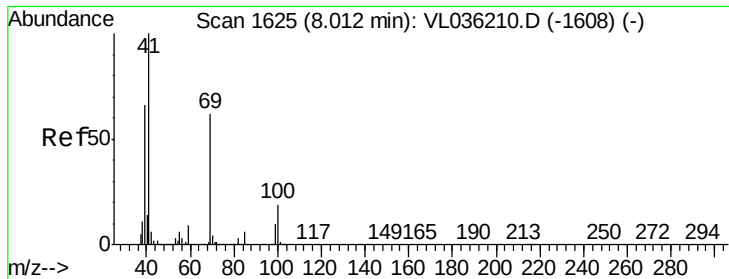


#42
Bromodichloromethane
Concen: 10.980 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 83 Resp: 2413987

Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.4	80.2
127	7.3	6.2	9.2

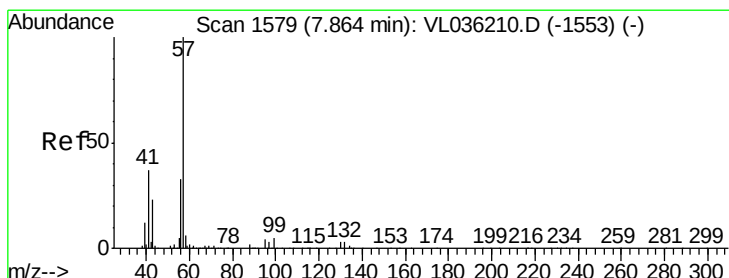
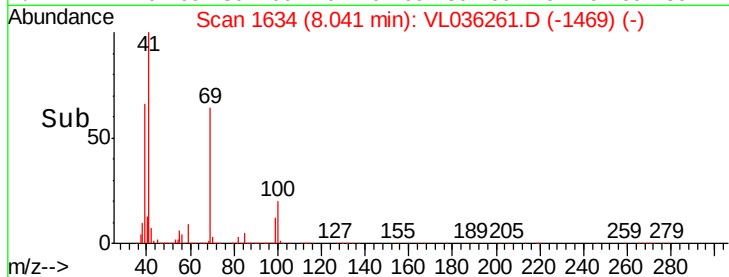
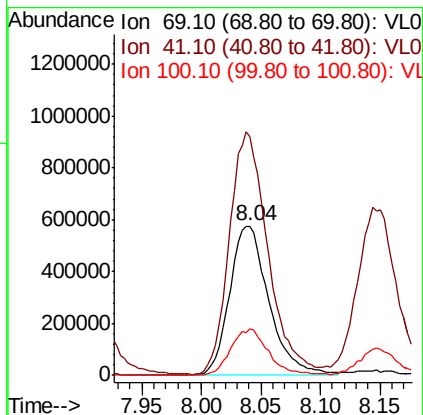
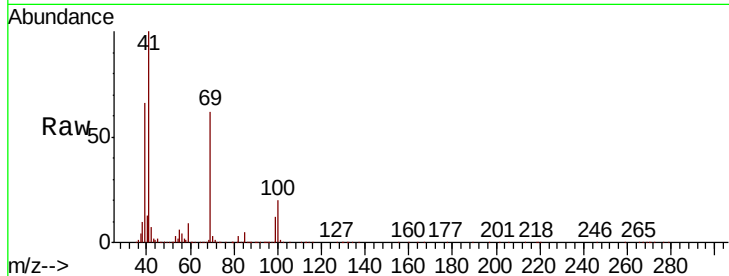




#43
Methvl Methacrylate
Concen: 10.654 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

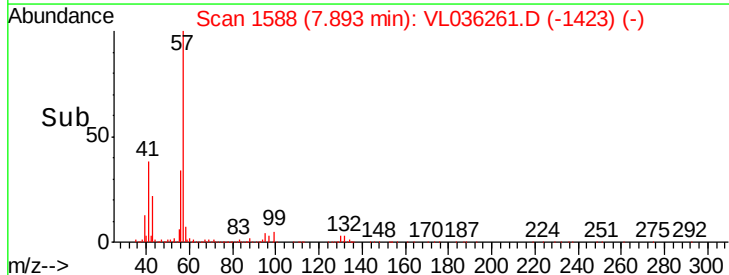
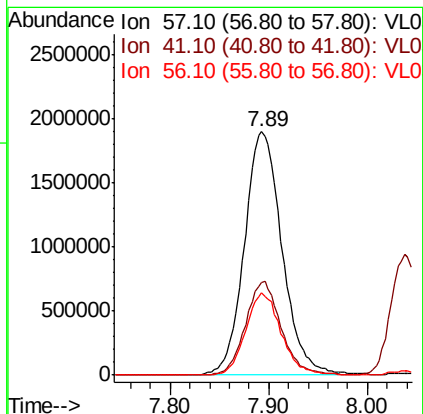
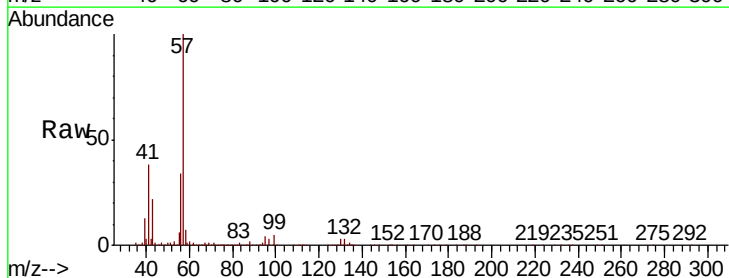
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

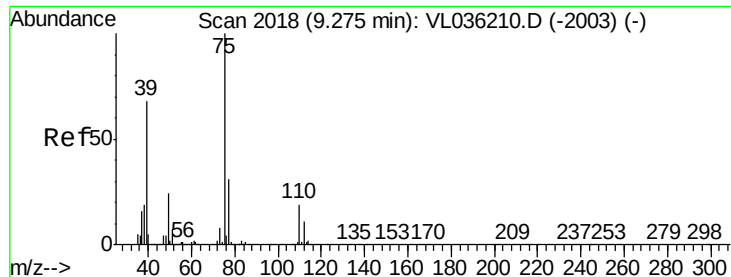
Tot Ion: 69 Resp: 1316117
Ion Ratio Lower Upper
69 100
41 159.6 133.4 200.2
100 30.2 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 9.379 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 57 Resp: 5007670
Ion Ratio Lower Upper
57 100
41 36.6 28.5 42.7
56 32.1 25.5 38.3

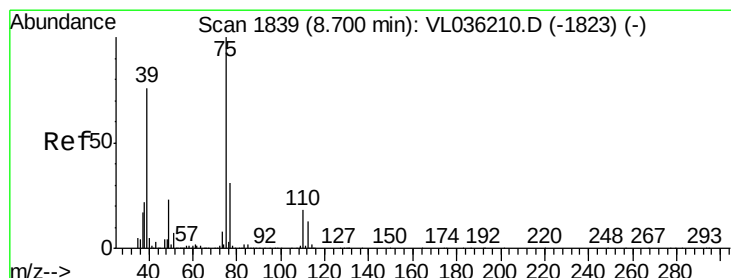
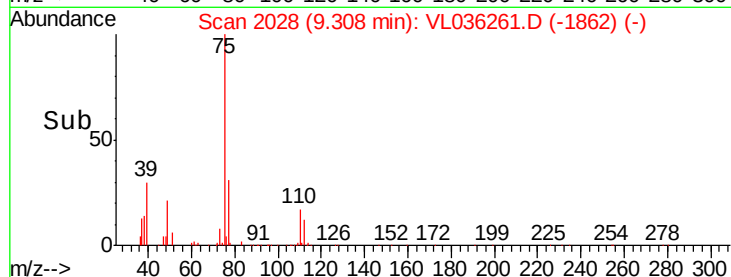
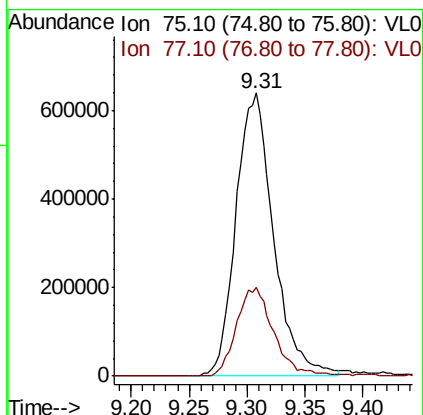
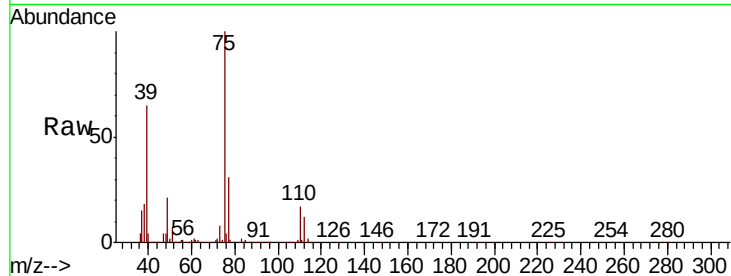




#45
t-1,3-Dichloropropene
Concen: 12.196 ppbv
RT: 9.31 min Scan# 2028
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

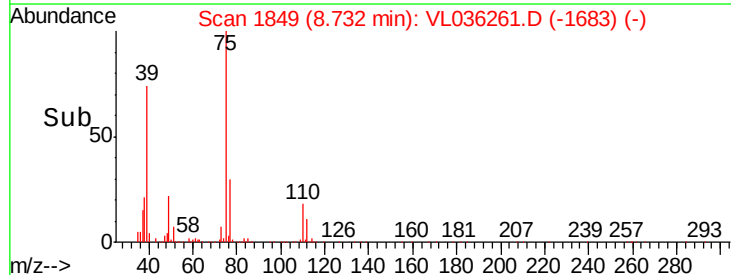
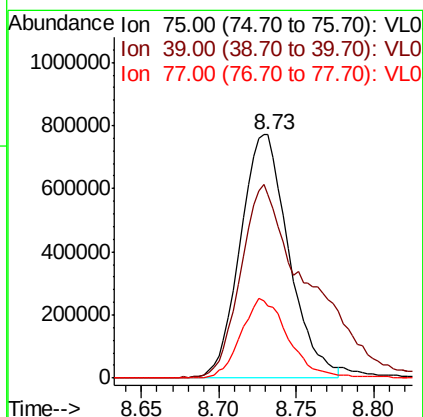
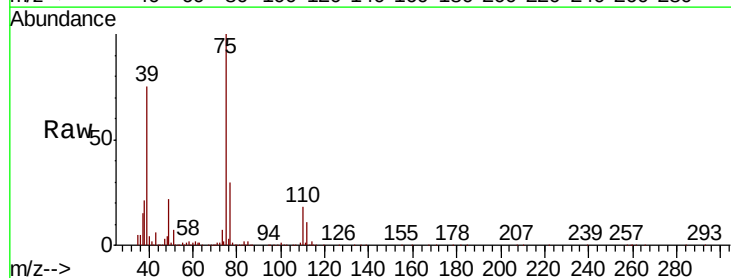
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

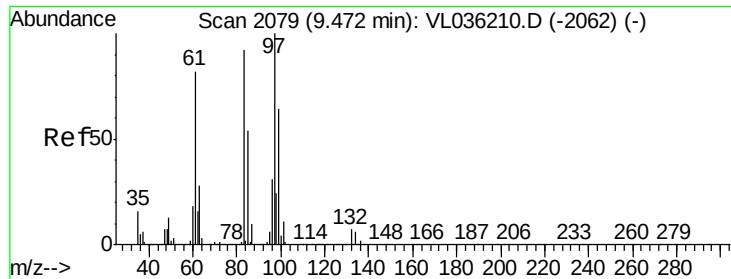
Tot Ion: 75 Resp: 1431025
Ion Ratio Lower Upper
75 100
77 31.2 24.7 37.1



#46
cis-1,3-Dichloropropene
Concen: 11.147 ppbv
RT: 8.73 min Scan# 1849
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 75 Resp: 1680834
Ion Ratio Lower Upper
75 100
39 75.0 61.2 91.8
77 29.5 24.6 37.0

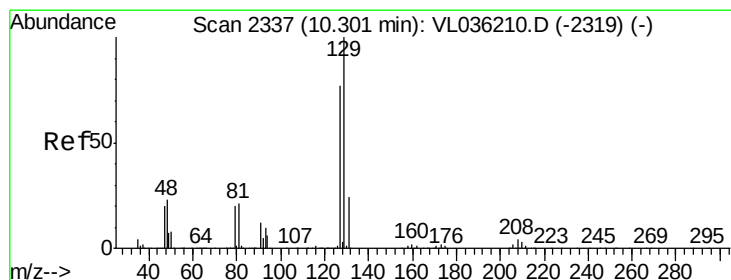
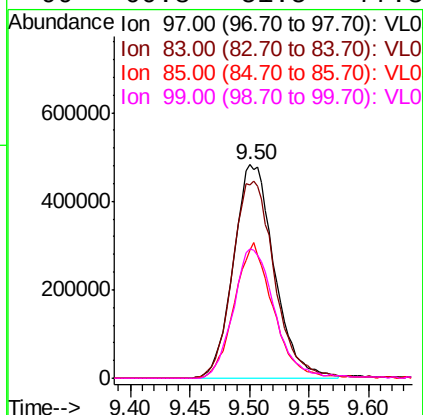
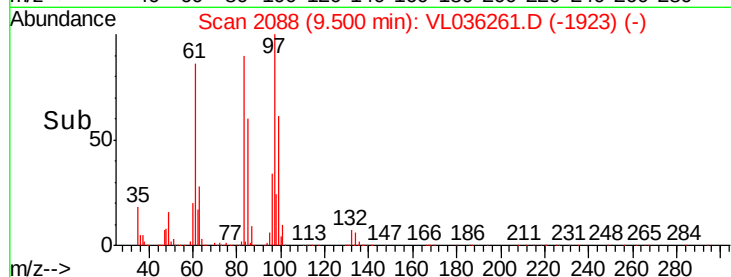
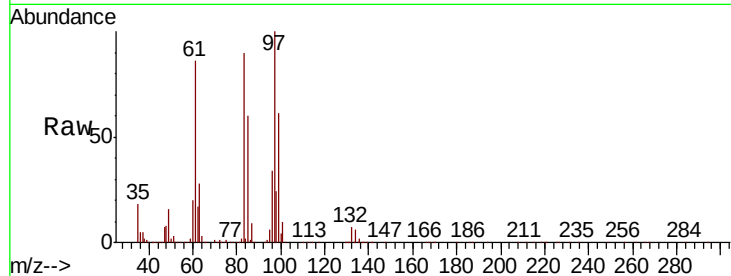




#47
 1,1,2-Trichloroethane
 Concen: 10.168 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

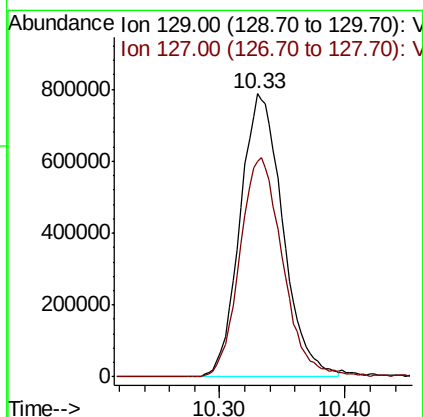
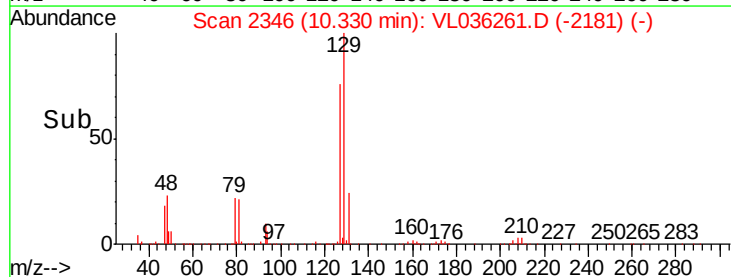
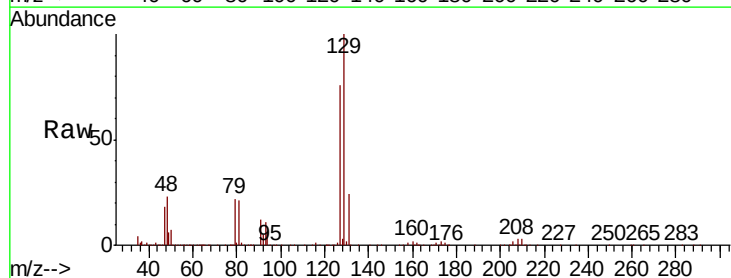
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

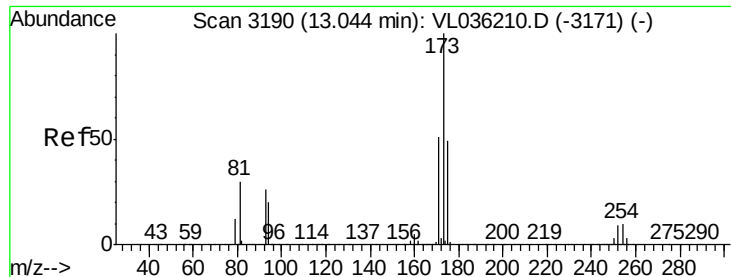
Tot Ion: 97 Resp: 1148045
 Ion Ratio Lower Upper
 97 100
 83 90.4 73.3 109.9
 85 60.0 43.2 64.8
 99 60.8 51.5 77.3



#48
 Dibromochloromethane
 Concen: 11.267 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion: 129 Resp: 1861224
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.6 118.8





#49

Bromoform

Concen: 11.242 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

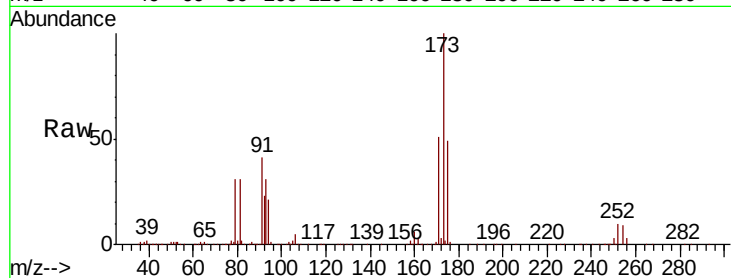
Tot Ion:173 Resp: 1550201

Ion Ratio Lower Upper

173 100

175 50.2 40.7 61.1

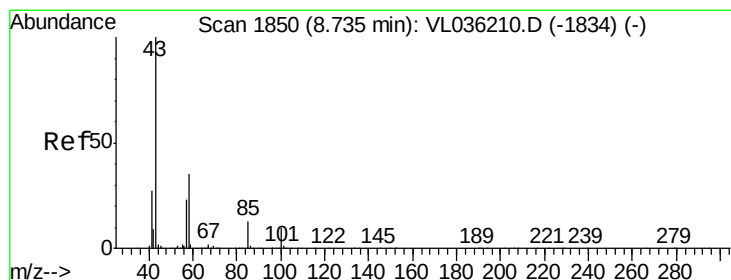
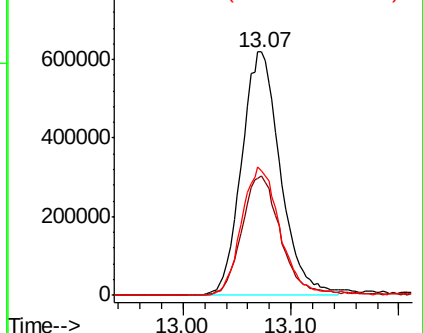
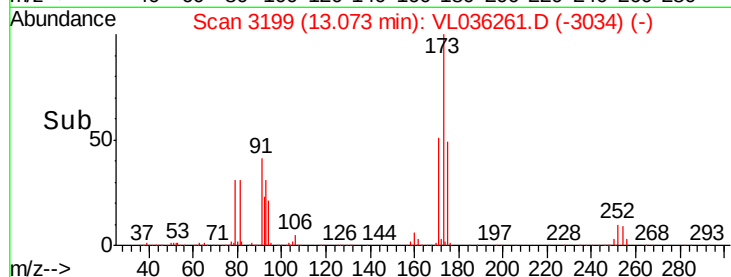
171 54.1 43.0 64.6



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: 9.826 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.03 min

Lab File: VL036261.D

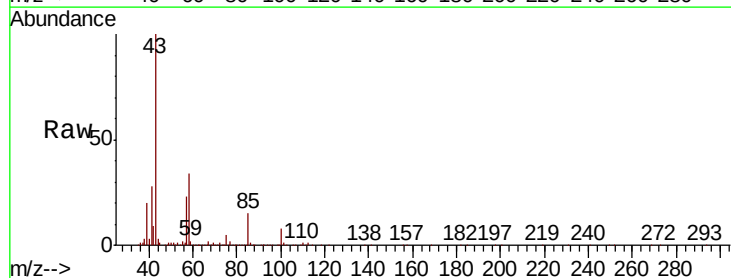
Acq: 22 Jan 2021 9:42

Tgt Ion: 43 Resp: 3423042

Ion Ratio Lower Upper

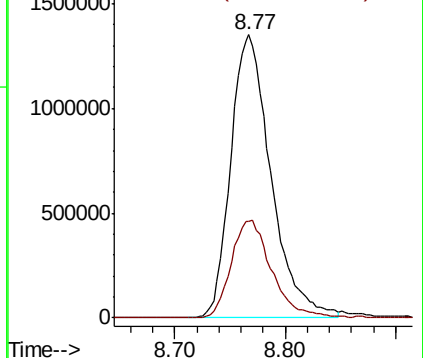
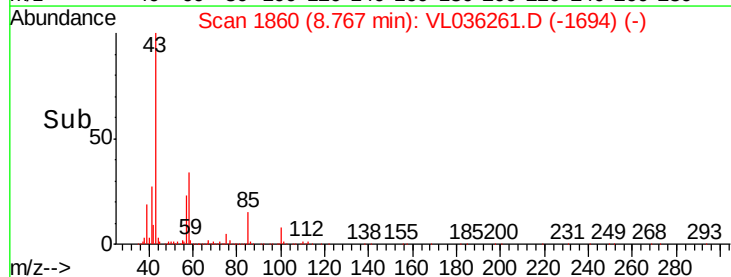
43 100

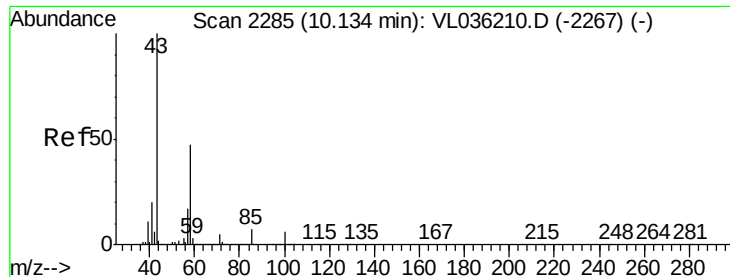
58 35.0 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

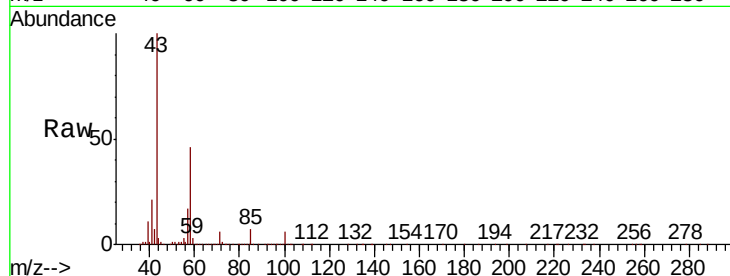




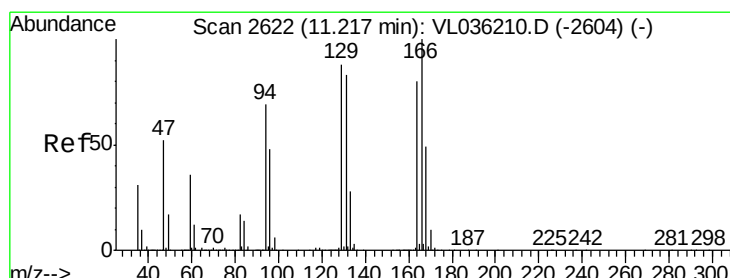
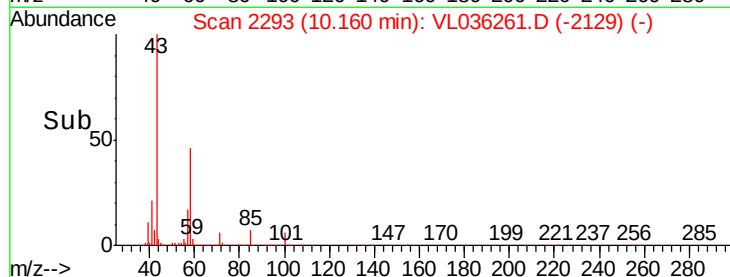
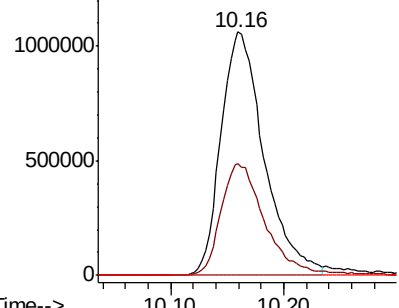
#51
2-Hexanone
Concen: 10.245 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 43 Resp: 2815699
Ion Ratio Lower Upper
43 100
58 47.1 37.4 56.0
98 0.2 0.2 0.2

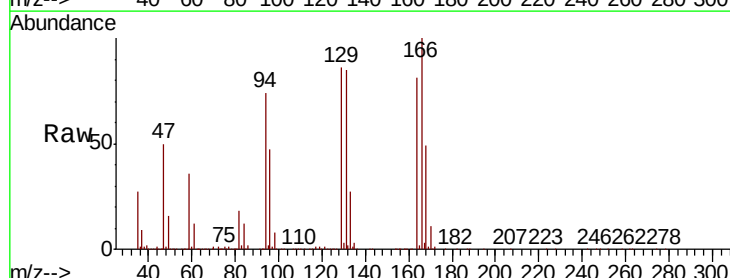


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

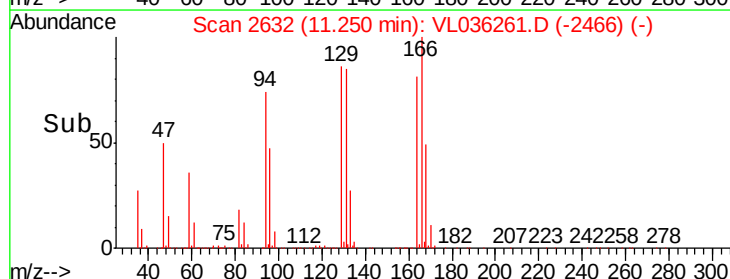
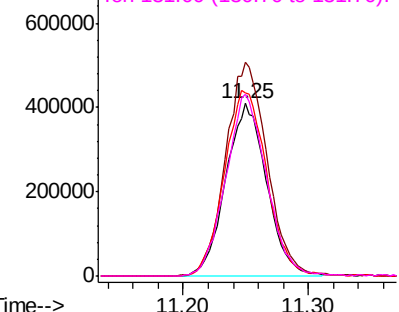


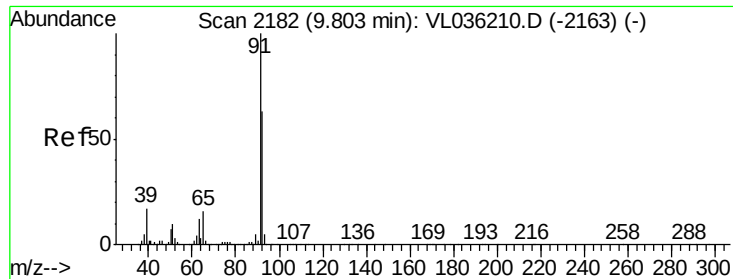
#52
Tetrachloroethene
Concen: 8.620 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 164 Resp: 923427
Ion Ratio Lower Upper
164 100
166 123.8 99.9 149.9
129 106.5 88.2 132.4
131 105.4 83.0 124.6



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: 9.850 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

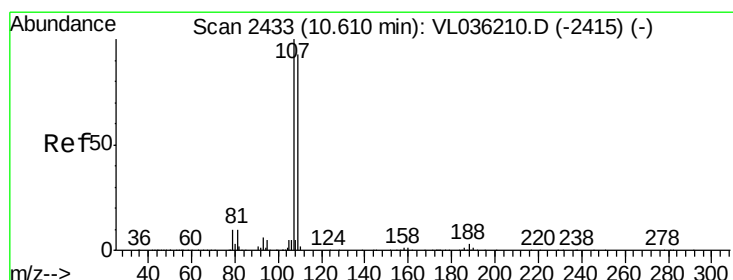
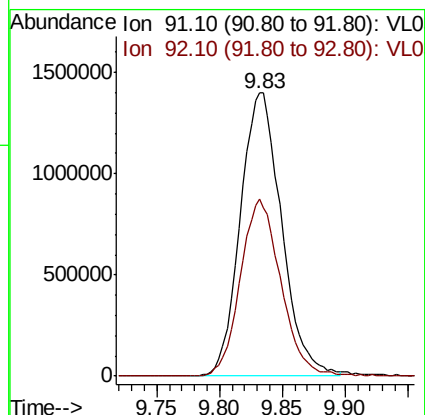
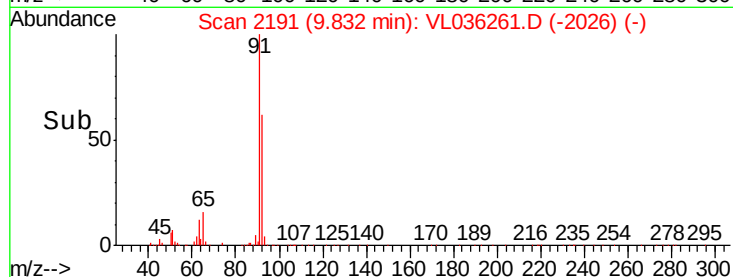
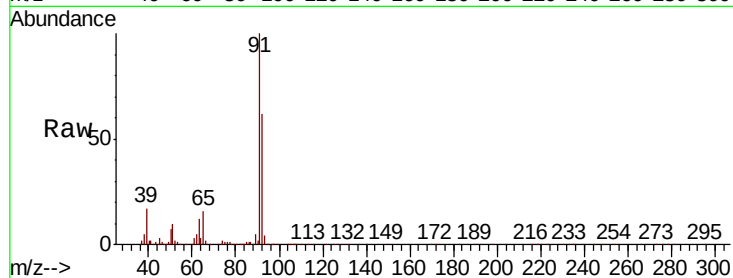
VSTDCCC010

Tot Ion: 91 Resp: 3202975

Ion Ratio Lower Upper

91 100

92 61.3 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.211 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.03 min

Lab File: VL036261.D

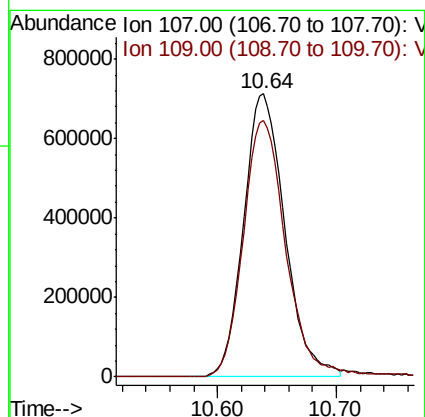
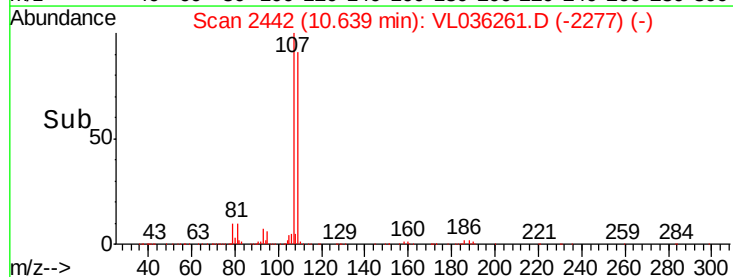
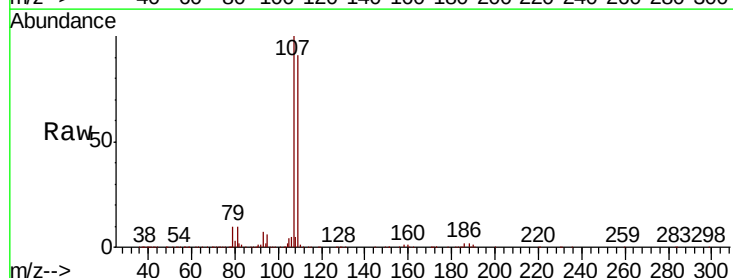
Acq: 22 Jan 2021 9:42

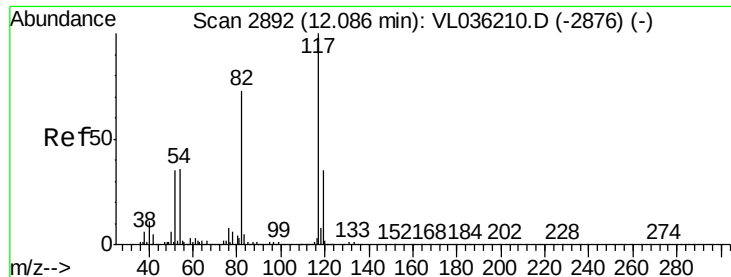
Tgt Ion: 107 Resp: 1709110

Ion Ratio Lower Upper

107 100

109 90.8 74.5 111.7

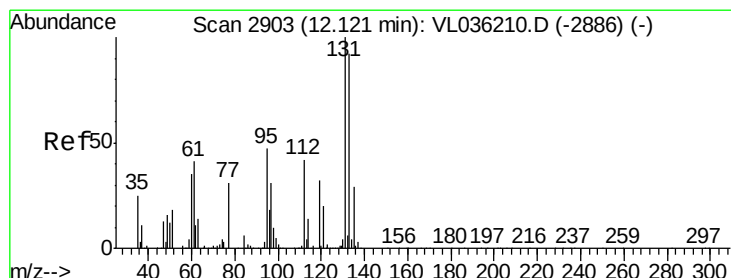
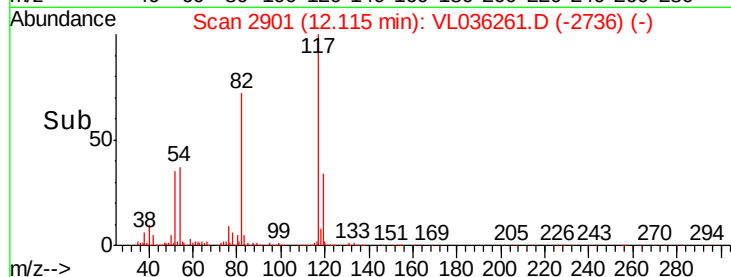
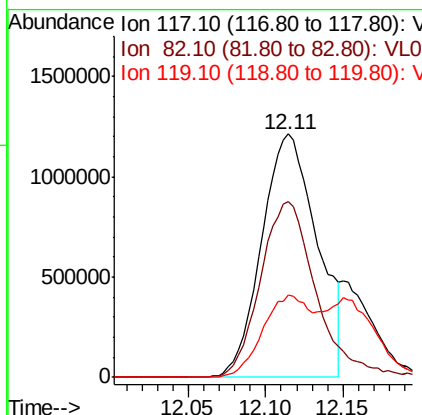
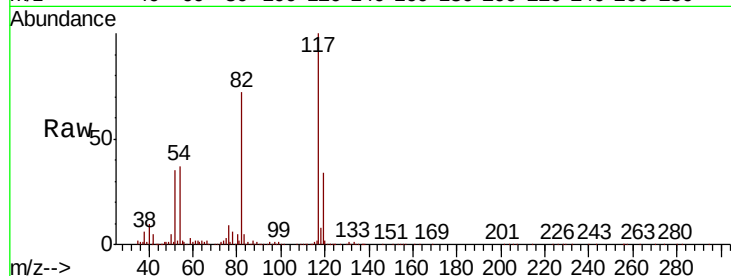




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

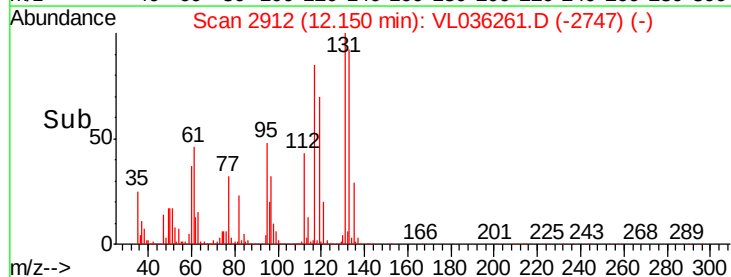
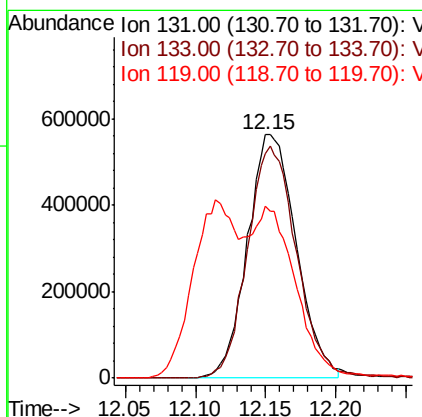
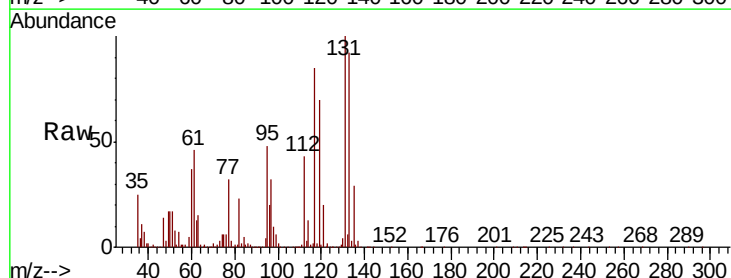
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

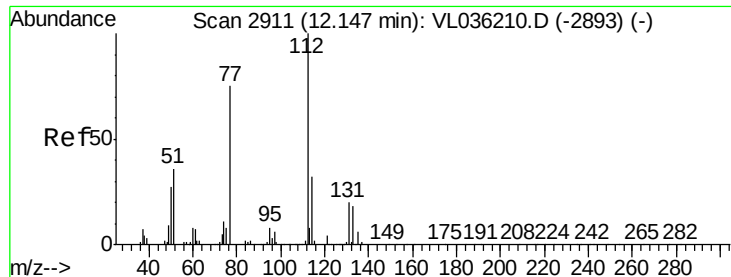
Tot Ion:117 Resp: 3027227
Ion Ratio Lower Upper
117 100
82 73.6 59.7 89.5
119 32.5 28.6 43.0



#56
1,1,1,2-Tetrachloroethane
Concen: 10.068 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion:131 Resp: 1360097
Ion Ratio Lower Upper
131 100
133 96.7 76.5 114.7
119 71.6 45.4 68.0#

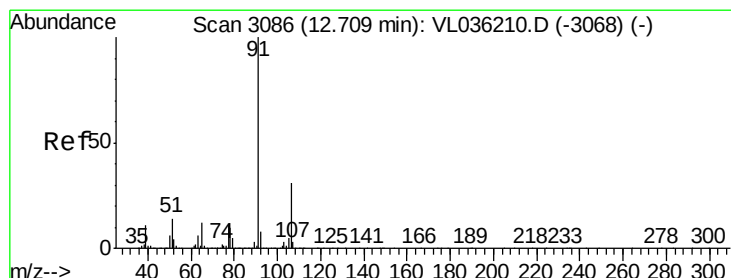
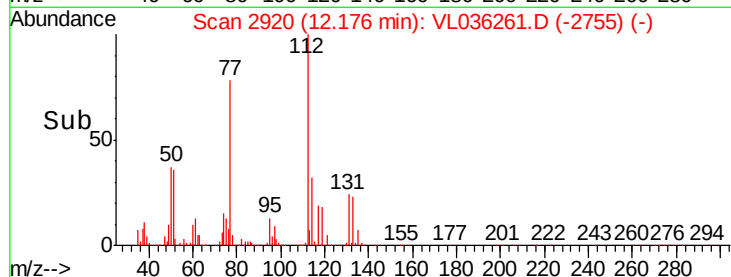
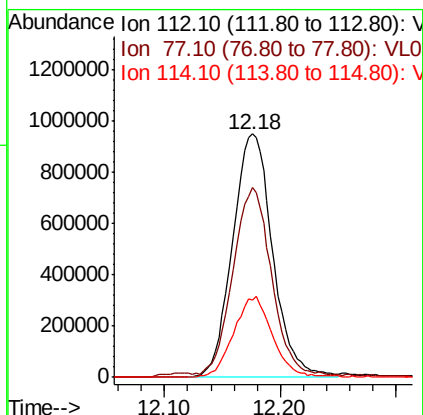
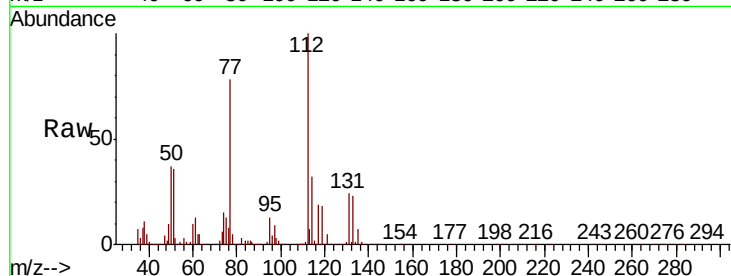




#57
Chlorobenzene
Concen: 9.555 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

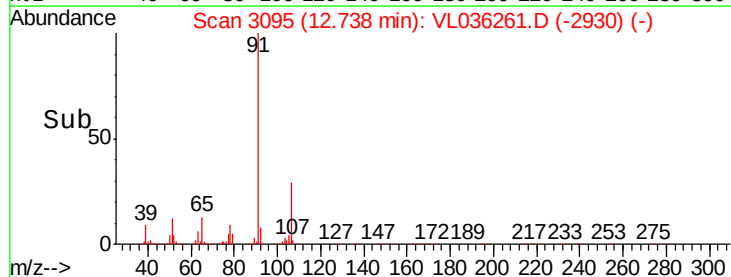
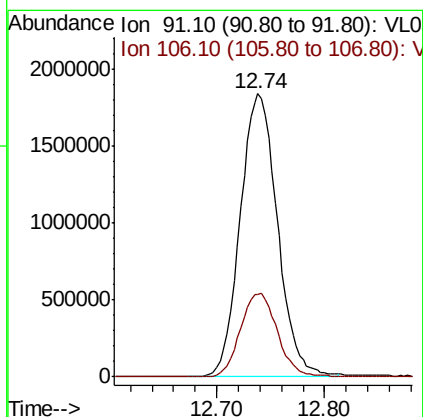
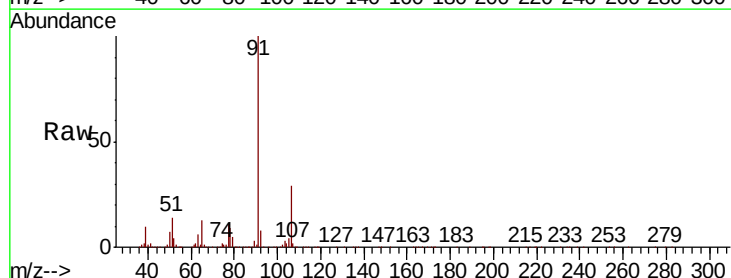
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

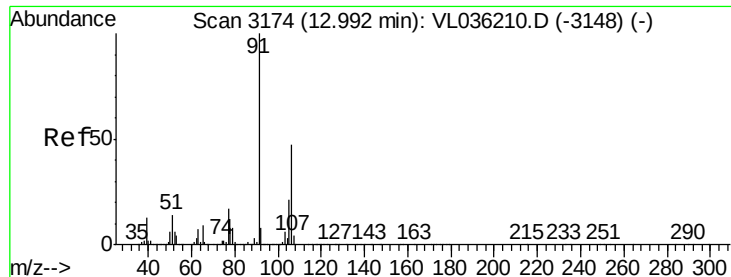
Tot Ion: 112 Resp: 2269411
Ion Ratio Lower Upper
112 100
77 77.2 59.6 89.4
114 31.4 28.7 35.1



#58
Ethyl Benzene
Concen: 9.859 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 91 Resp: 4429079
Ion Ratio Lower Upper
91 100
106 29.1 24.8 37.2

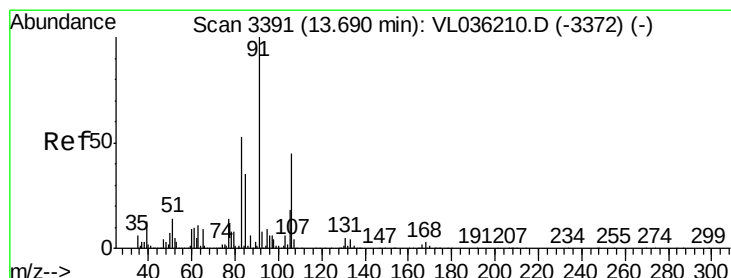
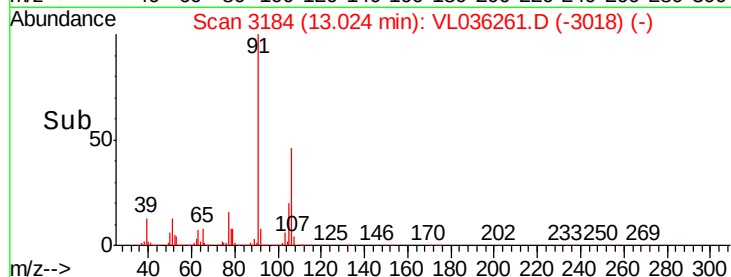
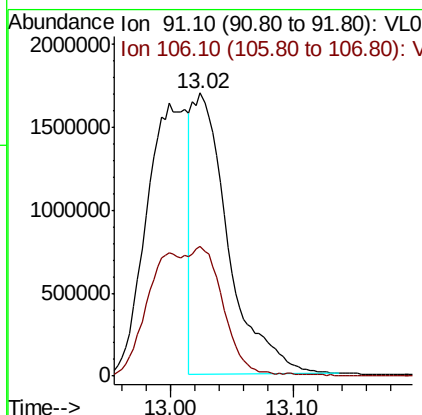
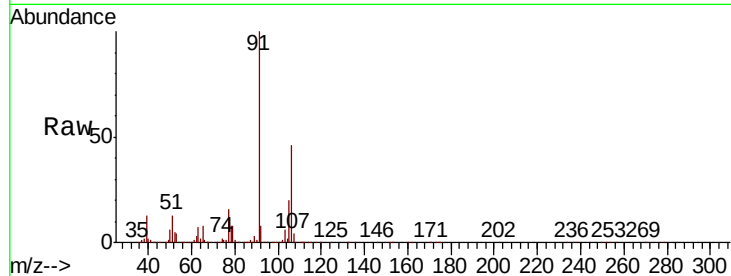




#59
m/p-Xylene
Concen: 9.007 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

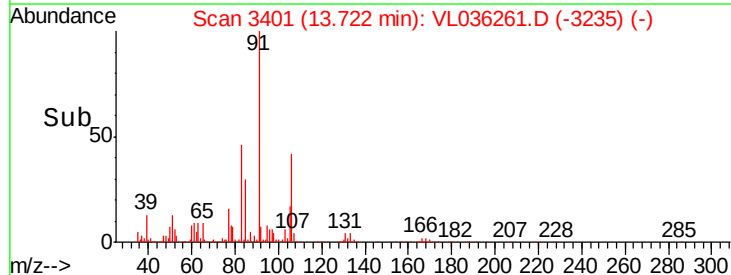
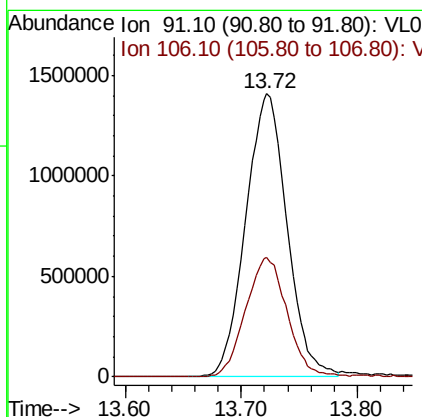
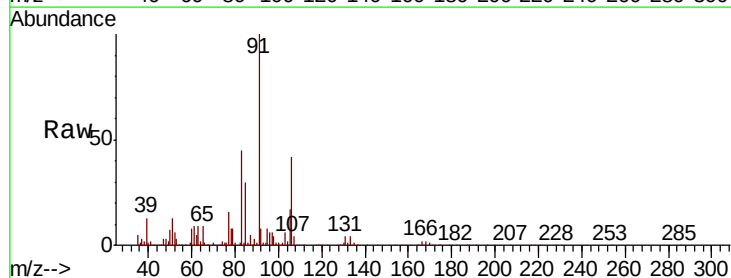
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

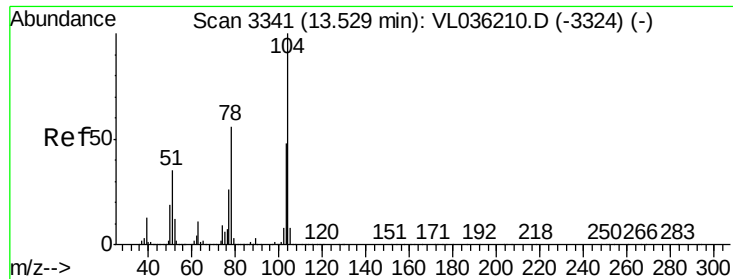
Tot Ion: 91 Resp: 3476623
Ion Ratio Lower Upper
91 100
106 90.7 34.6 51.8#



#60
o-Xylene
Concen: 9.371 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 91 Resp: 3486721
Ion Ratio Lower Upper
91 100
106 43.1 21.9 65.8





#61

Stvrene

Concen: 10.296 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

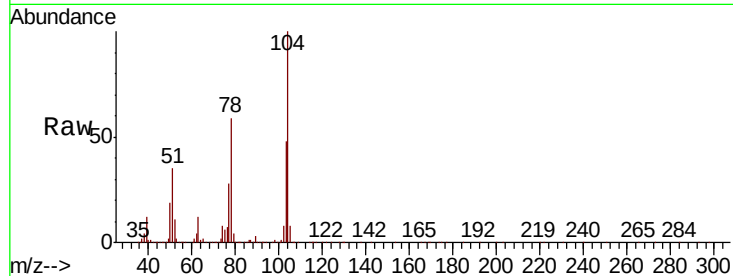
Tot Ion:104 Resp: 2419011

Ion Ratio Lower Upper

104 100

78 59.8 46.8 70.2

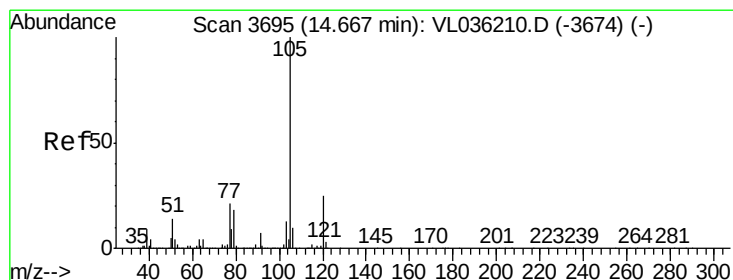
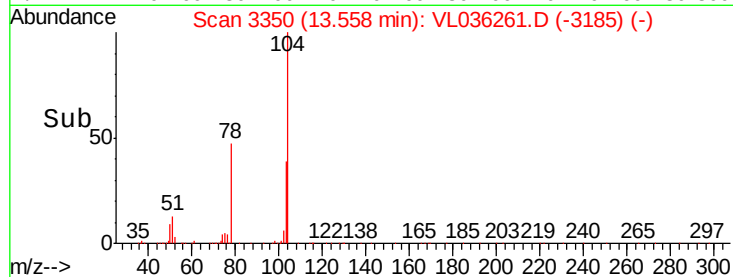
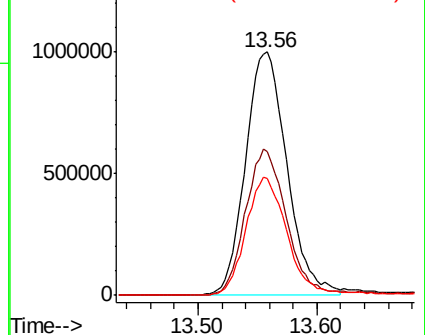
103 48.6 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.238 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.03 min

Lab File: VL036261.D

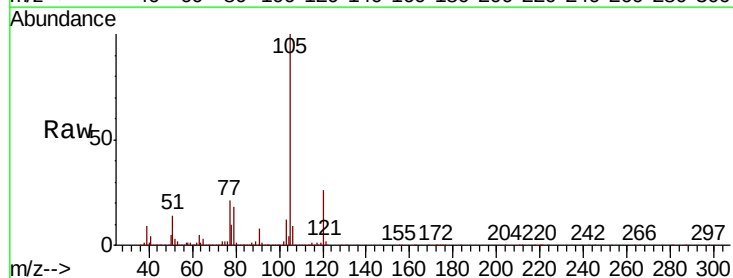
Acq: 22 Jan 2021 9:42

Tgt Ion:105 Resp: 5110617

Ion Ratio Lower Upper

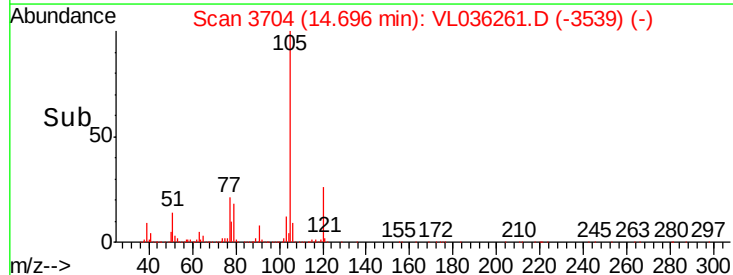
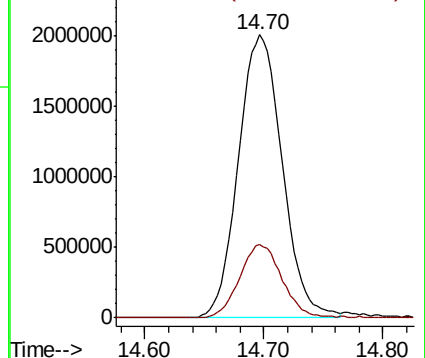
105 100

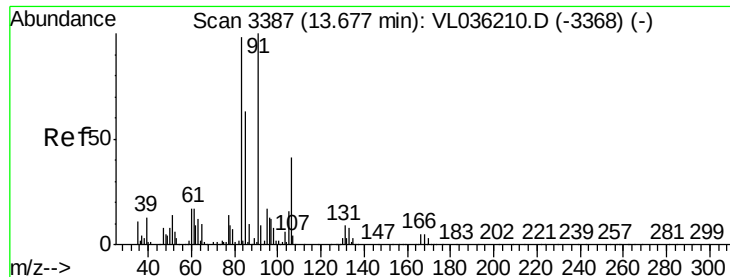
120 25.4 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.800 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

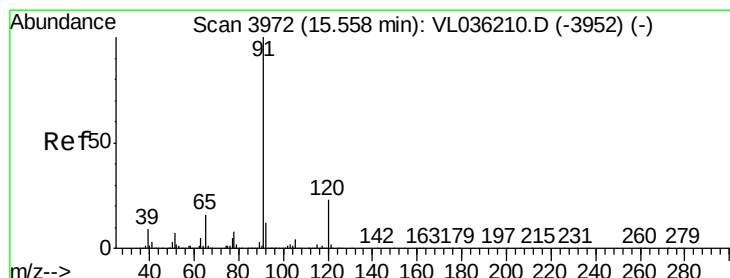
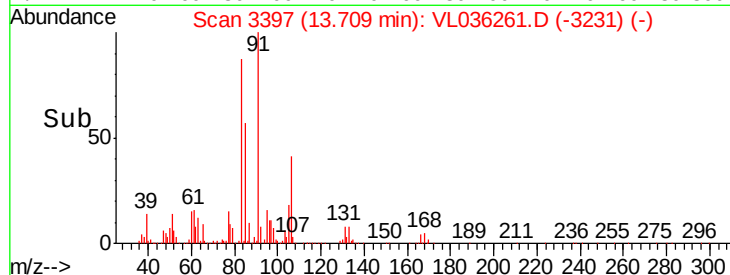
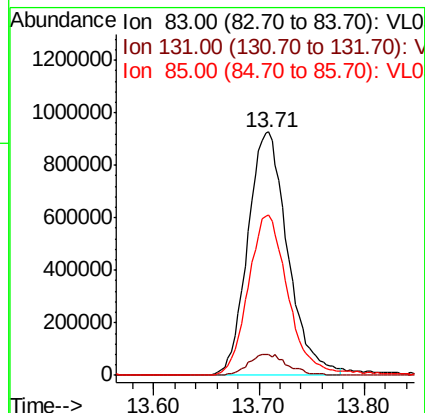
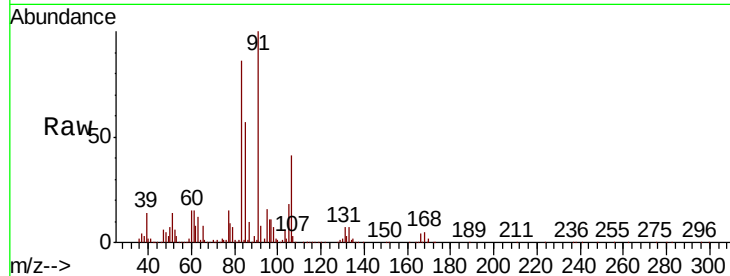
Tot Ion: 83 Resp: 2437994

Ion Ratio Lower Upper

83 100

131 8.6 4.5 13.5

85 67.1 33.1 99.3



#64

n-propylbenzene

Concen: 9.706 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.04 min

Lab File: VL036261.D

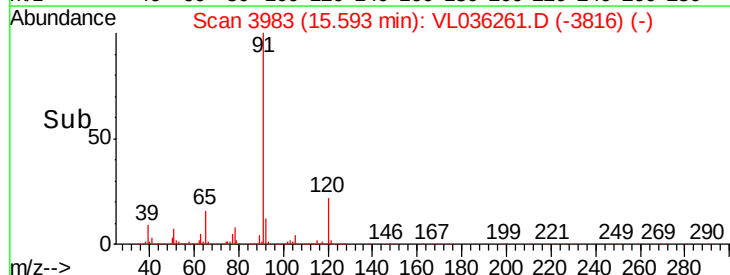
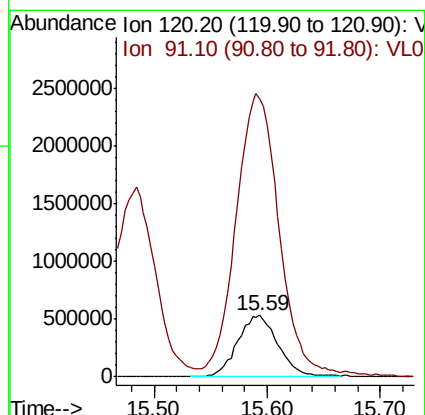
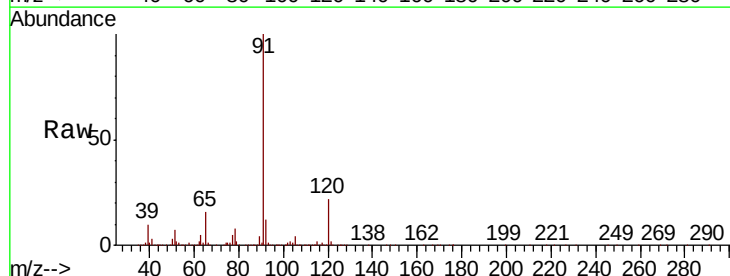
Acq: 22 Jan 2021 9:42

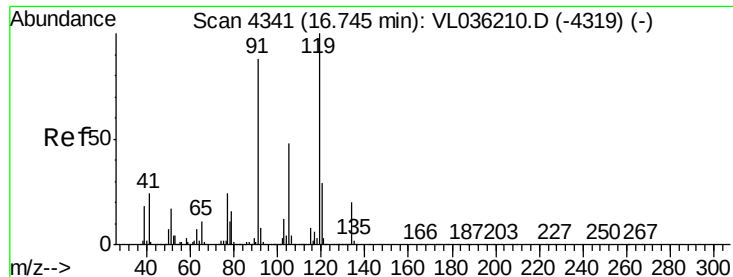
Tgt Ion: 120 Resp: 1319207

Ion Ratio Lower Upper

120 100

91 496.1 391.8 587.6





#65

tert-Butylbenzene

Concen: 9.286 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

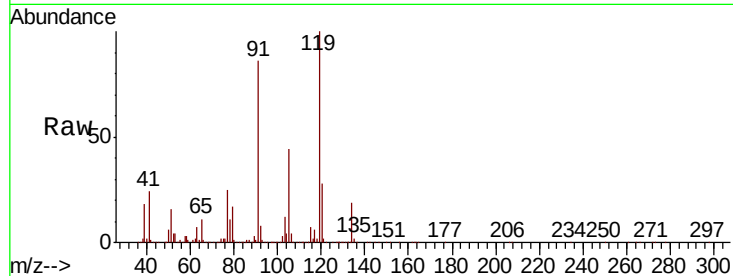
Tot Ion:119 Resp: 4353073

Ion Ratio Lower Upper

119 100

91 89.4 71.0 106.6

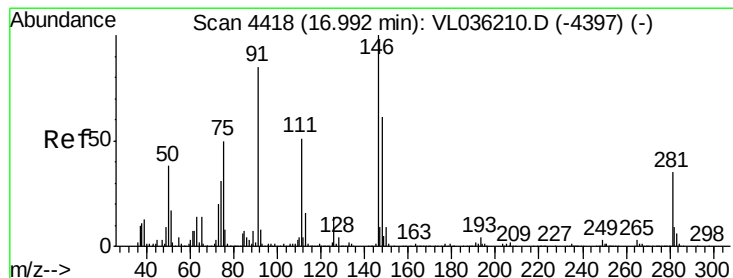
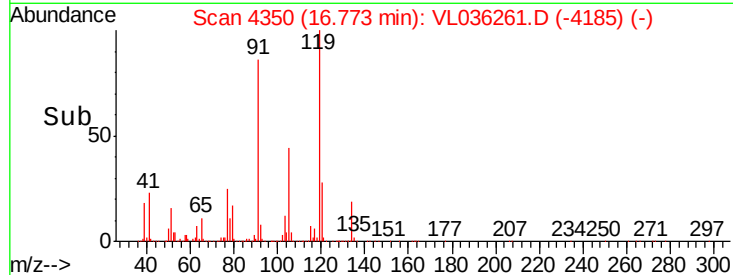
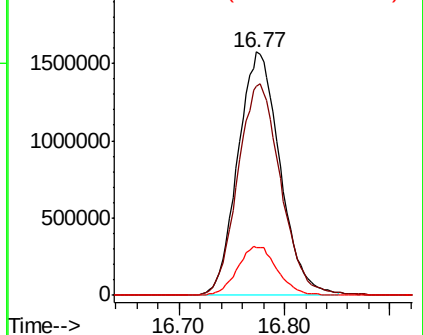
134 19.2 15.8 23.6



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: 13.103 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

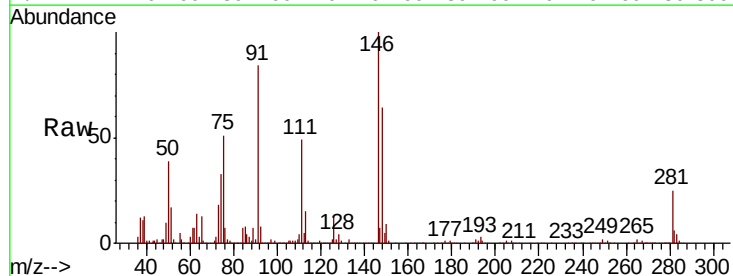
Tgt Ion: 91 Resp: 1569160

Ion Ratio Lower Upper

91 100

126 15.4 12.6 19.0

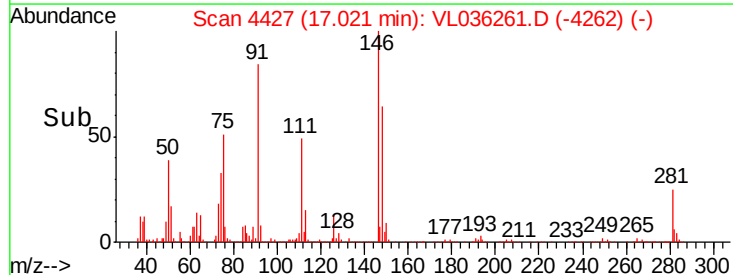
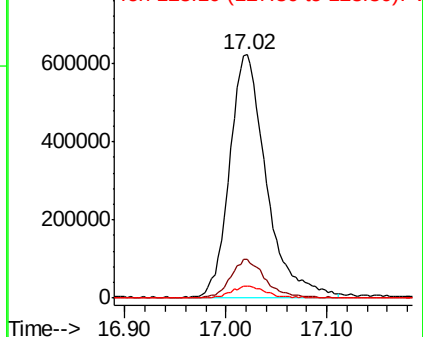
128 4.8 3.8 5.6

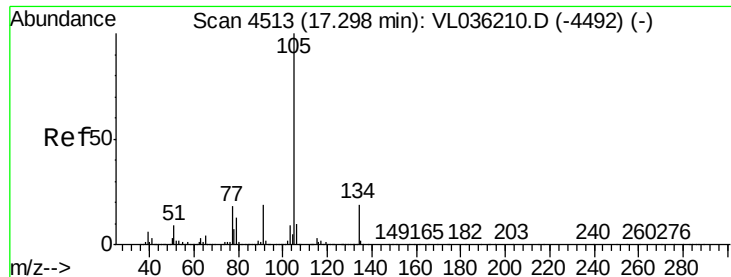


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.090 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

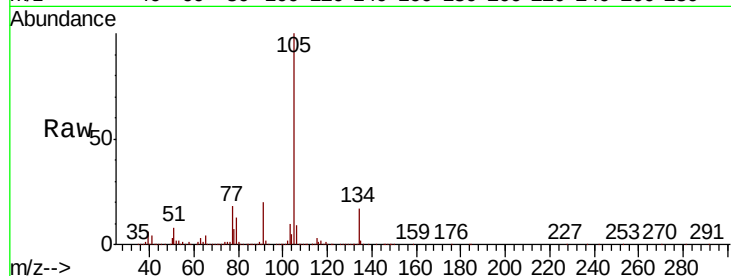
VSTDCCC010

Tot Ion:105 Resp: 6325320

Ion Ratio Lower Upper

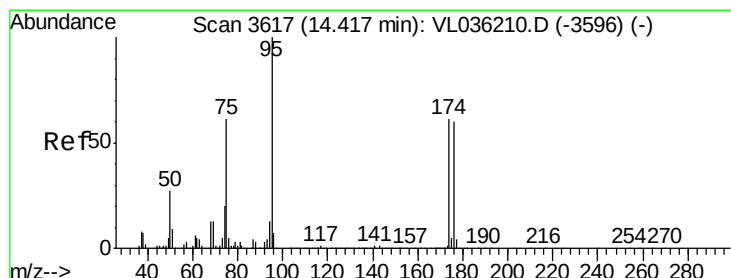
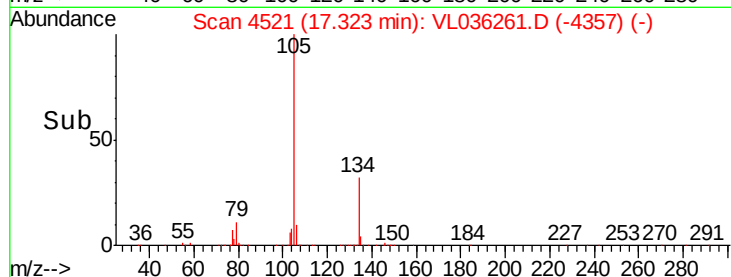
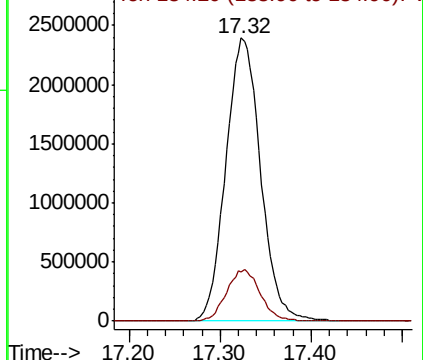
105 100

134 17.8 14.2 21.4



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: 9.976 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

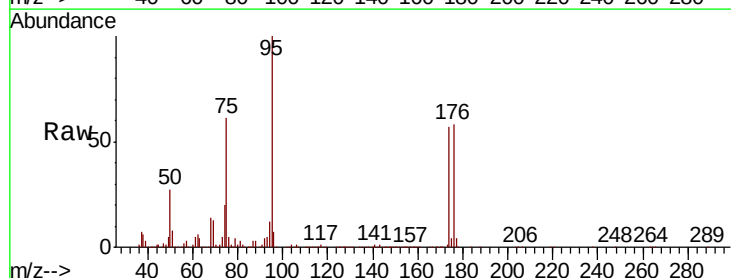
Tgt Ion: 95 Resp: 2499657

Ion Ratio Lower Upper

95 100

174 61.3 49.4 74.0

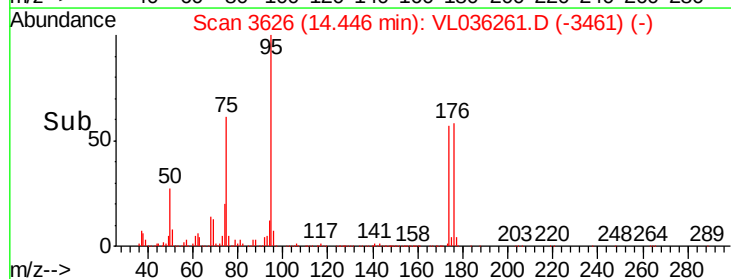
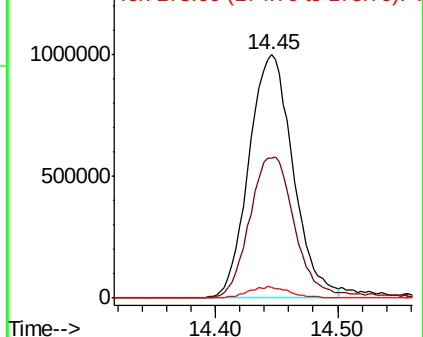
175 4.6 3.8 5.8

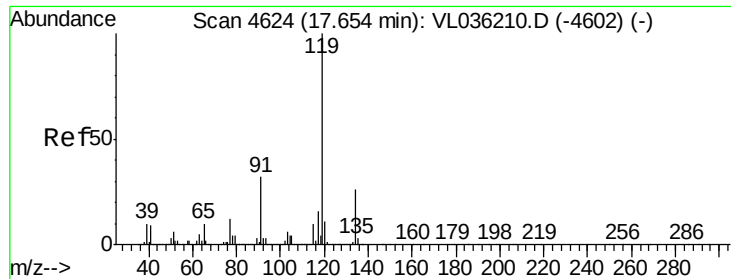


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

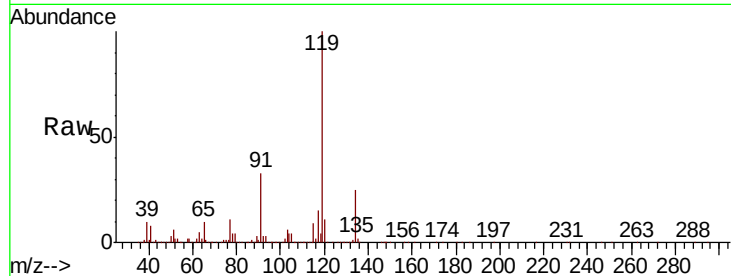




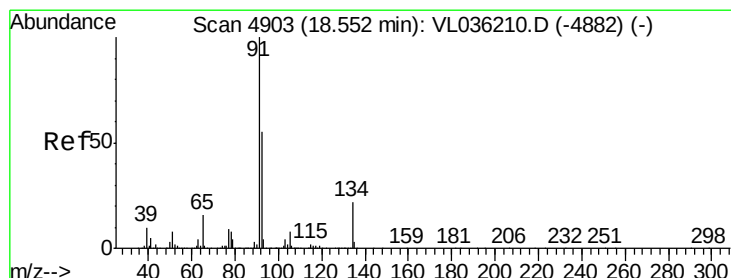
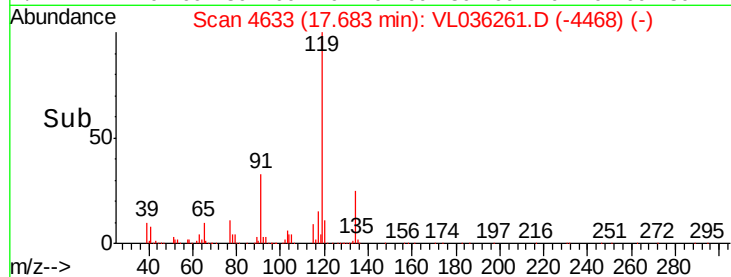
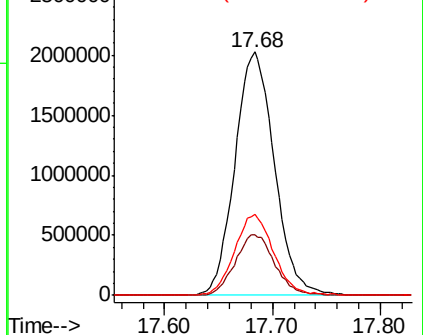
#69
 p-Isopropyltoluene
 Concen: 9.336 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 5151867
 Ion Ratio Lower Upper
 119 100
 134 24.8 20.2 30.4
 91 32.9 26.0 39.0

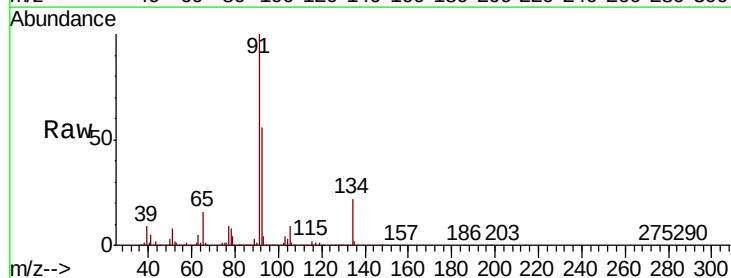


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

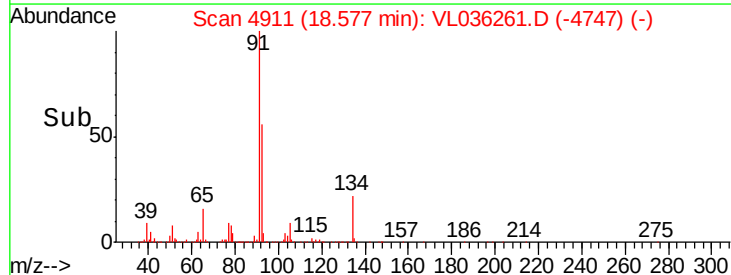
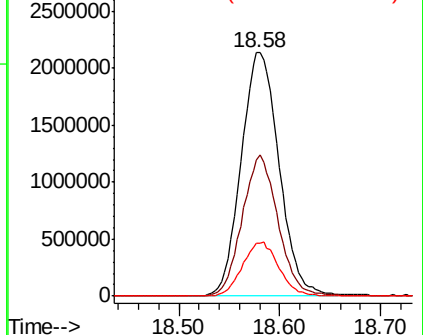


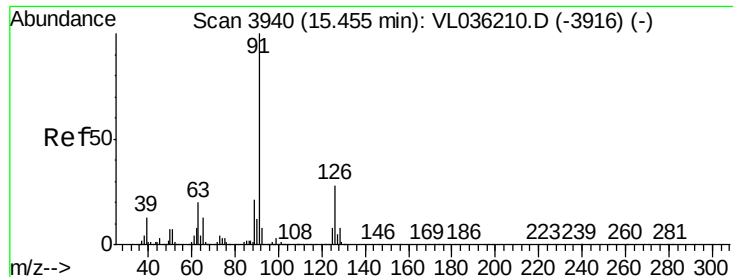
#70
 n-Butylbenzene
 Concen: 9.483 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion: 91 Resp: 5575848
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.0 66.0
 134 21.4 17.0 25.4



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V

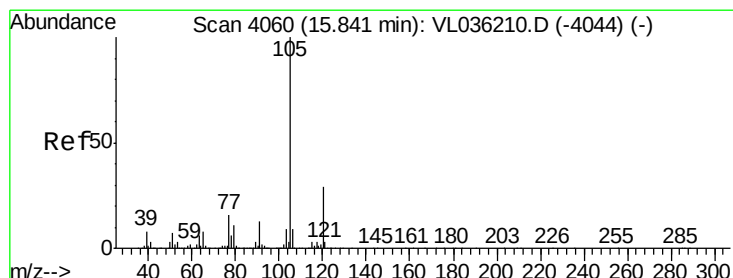
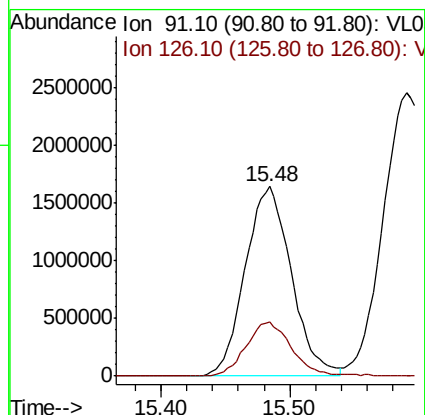
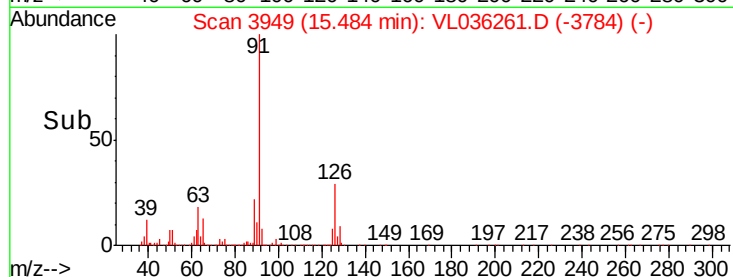
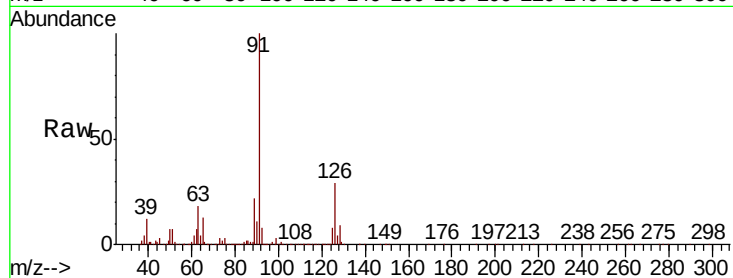




#71
 2-Chlorotoluene
 Concen: 9.391 ppbv
 RT: 15.48 min Scan# 3949
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

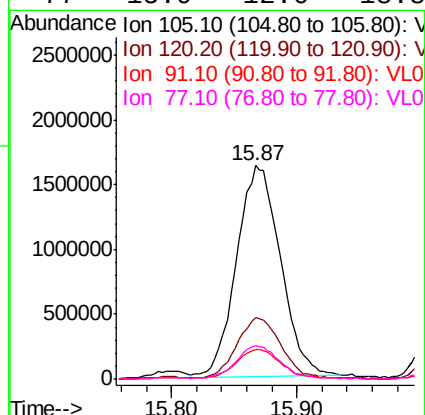
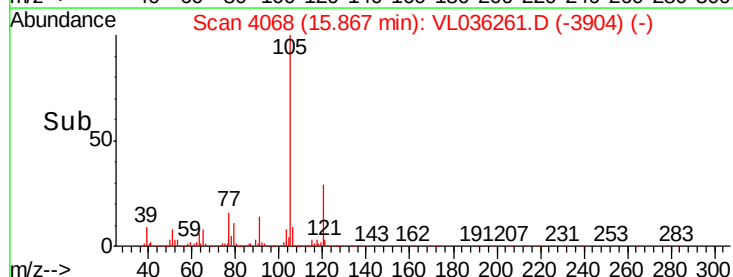
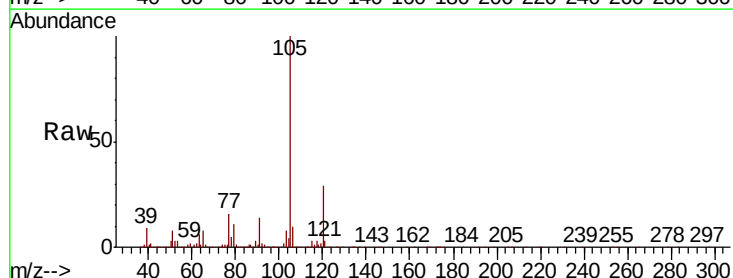
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

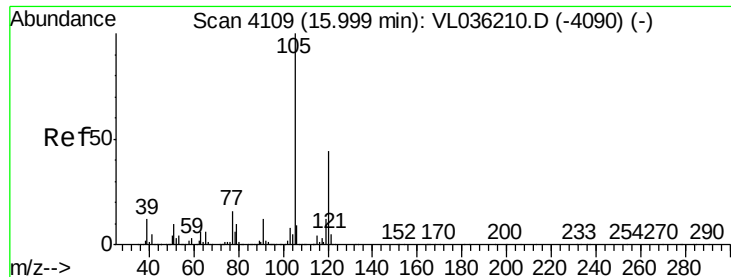
Tot Ion: 91 Resp: 4083466
 Ion Ratio Lower Upper
 91 100
 126 28.9 11.5 45.9



#72
 4-Ethyltoluene
 Concen: 9.432 ppbv
 RT: 15.87 min Scan# 4068
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion: 105 Resp: 3960475
 Ion Ratio Lower Upper
 105 100
 120 30.5 23.7 35.5
 91 13.9 11.9 17.9
 77 15.9 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 9.421 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

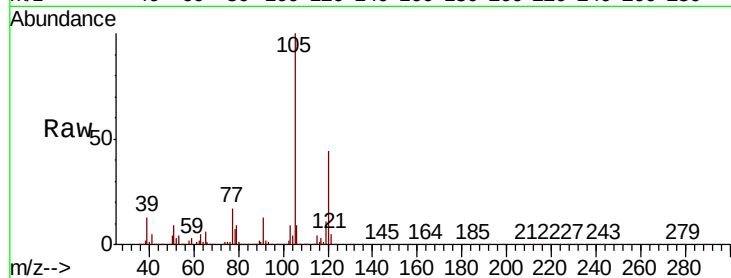
VSTDCCC010

Tot Ion:105 Resp: 3770971

Ion Ratio Lower Upper

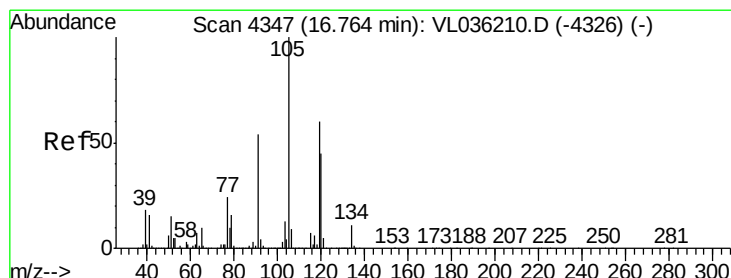
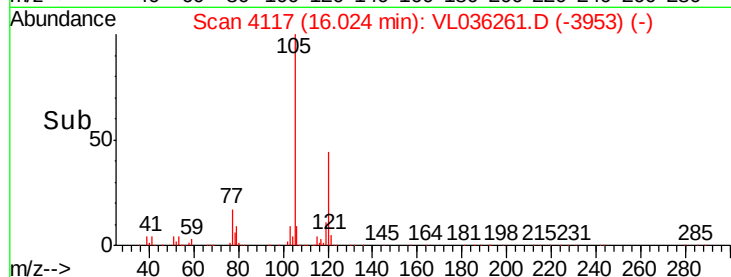
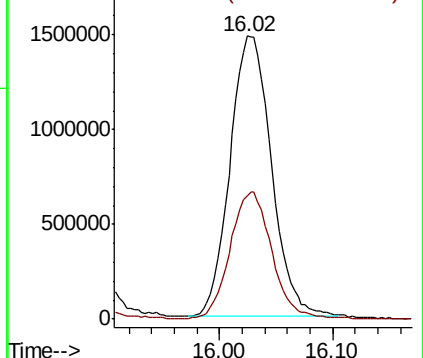
105 100

120 43.9 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.330 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tgt Ion:105 Resp: 3830501

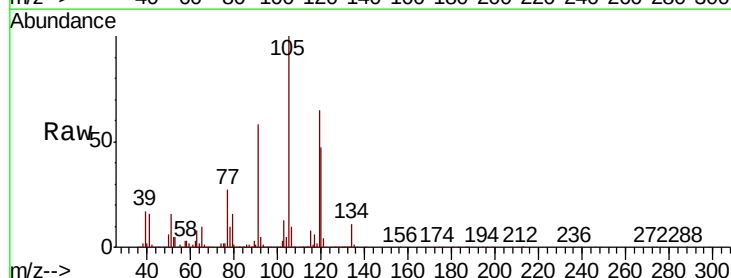
Ion Ratio Lower Upper

105 100

120 46.5 36.2 54.2

91 57.5 43.3 64.9

77 26.5 19.1 28.7

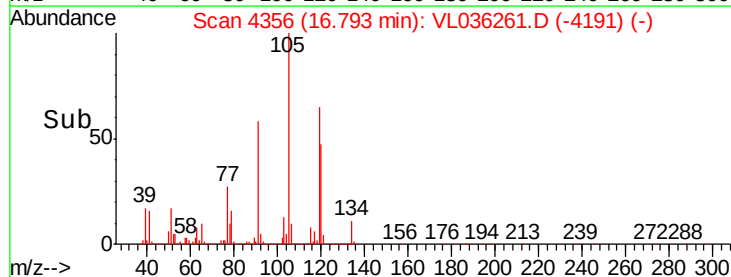
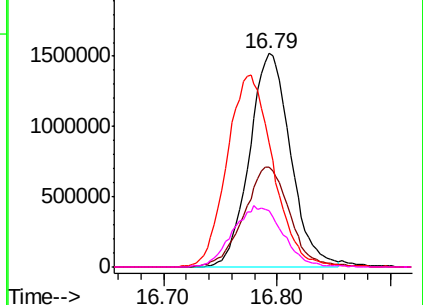


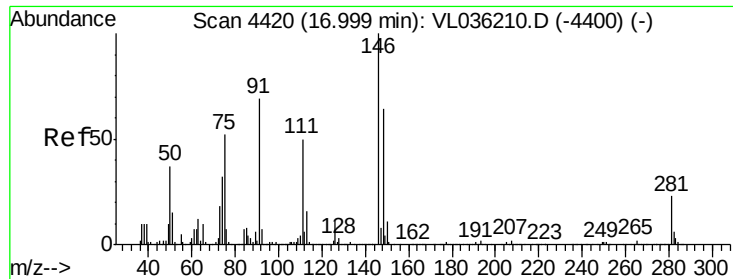
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

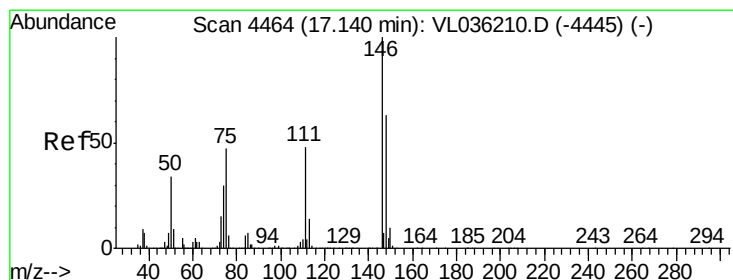
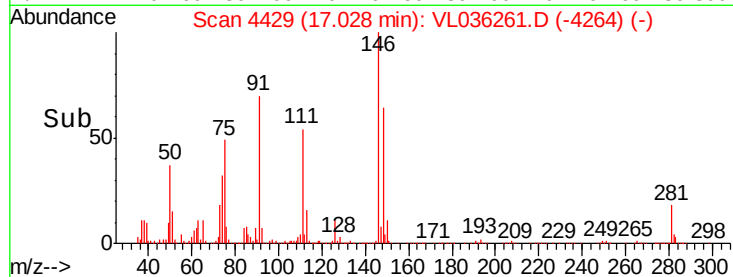
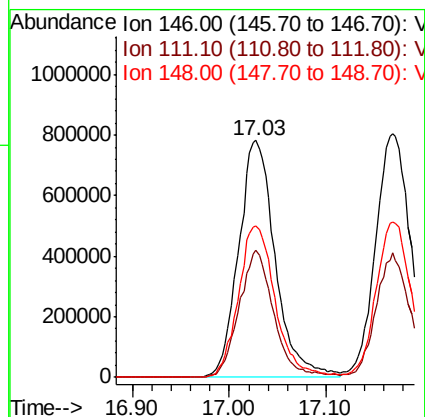
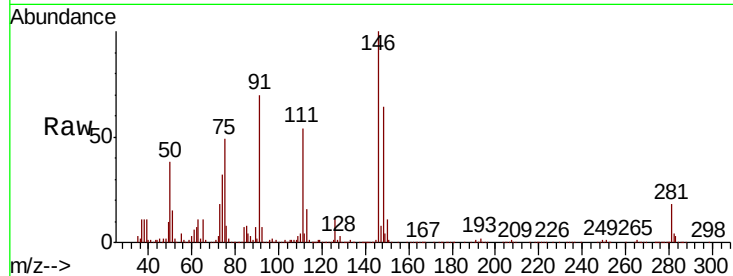




#75
 1,3-Dichlorobenzene
 Concen: 9.351 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

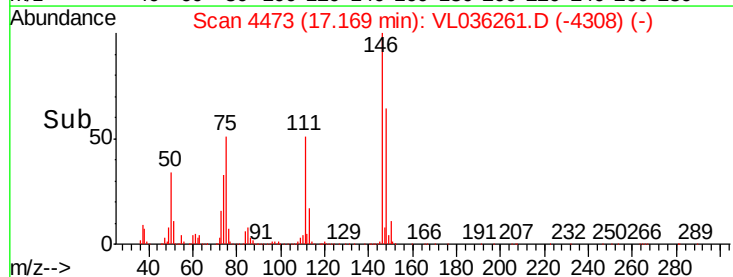
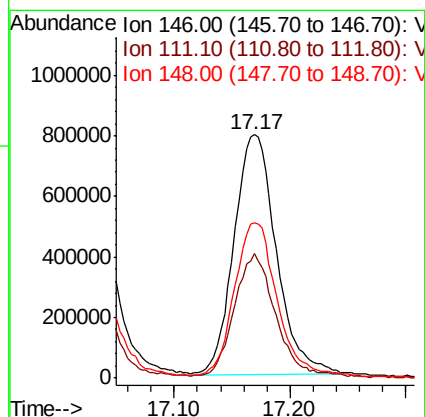
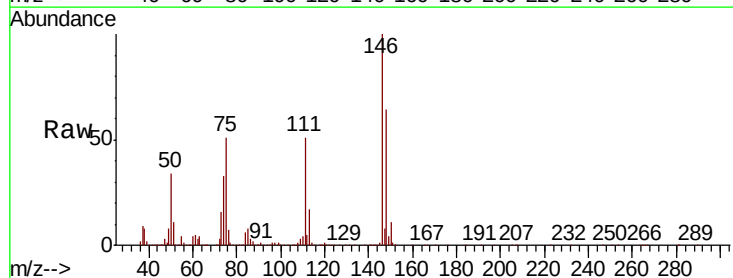
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

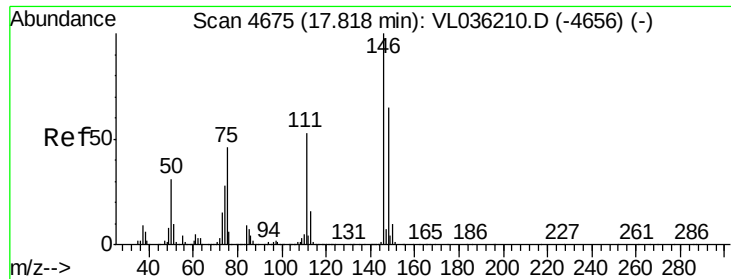
Tot Ion:146 Resp: 2059061
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.5 76.5
 148 64.8 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 9.278 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion:146 Resp: 2018321
 Ion Ratio Lower Upper
 146 100
 111 50.9 25.4 76.0
 148 66.4 33.3 99.9

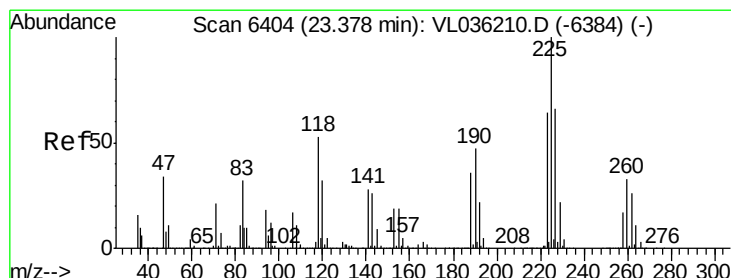
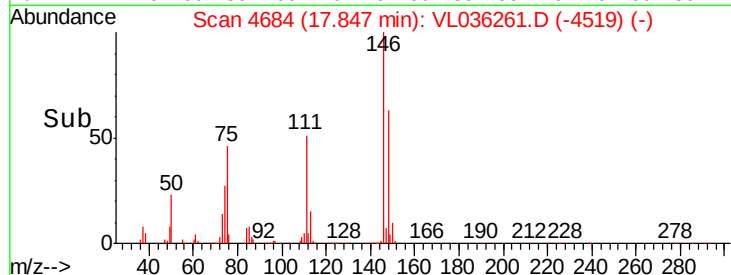
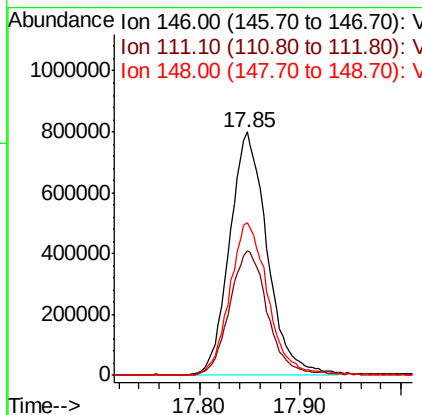
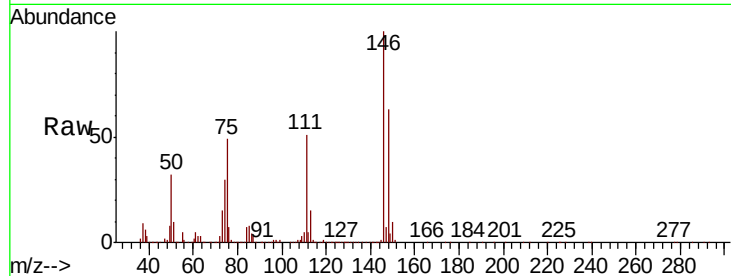




#77
 1,2-Dichlorobenzene
 Concen: 9.563 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

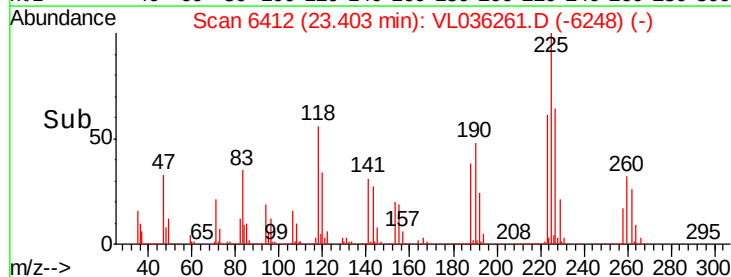
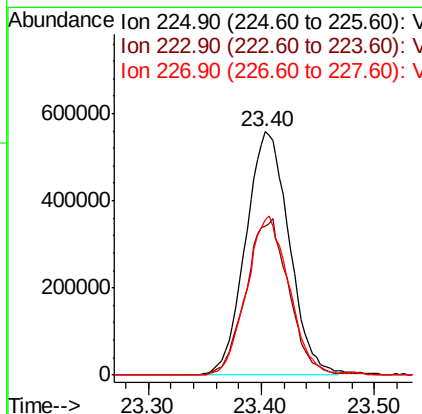
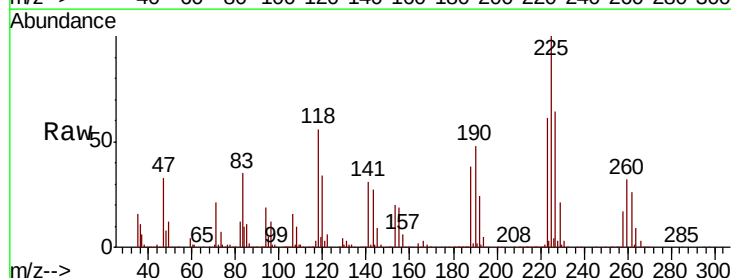
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

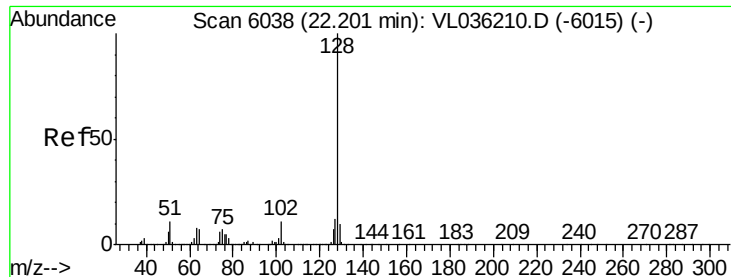
Tot Ion:146 Resp: 2056747
 Ion Ratio Lower Upper
 146 100
 111 52.2 26.5 79.4
 148 64.4 32.8 98.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.667 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion:225 Resp: 1490967
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.5 75.7
 227 64.4 51.7 77.5





#79

Naphthalene

Concen: 5.728 ppbv

RT: 22.24 min Scan# 6049

Delta R.T. 0.04 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

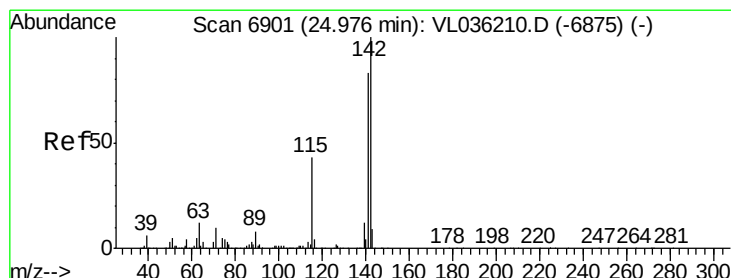
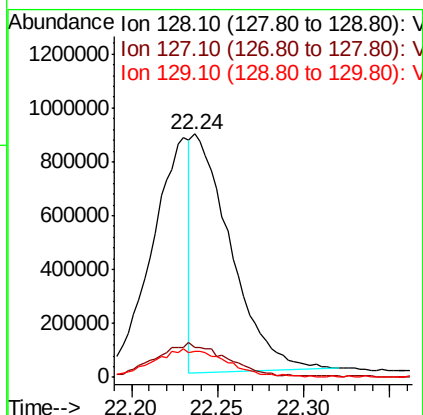
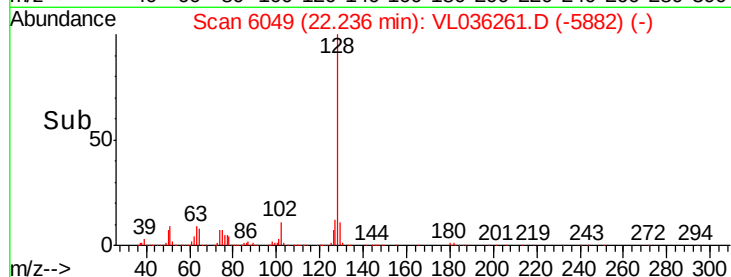
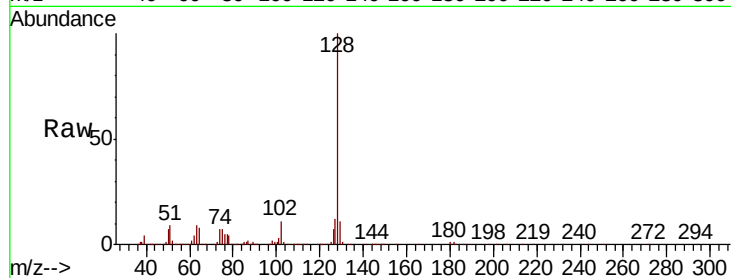
Tot Ion:128 Resp: 1374564

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

129 10.5 8.4 12.6



#80

Naphthalene, 2-methyl-

Concen: 19.137 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

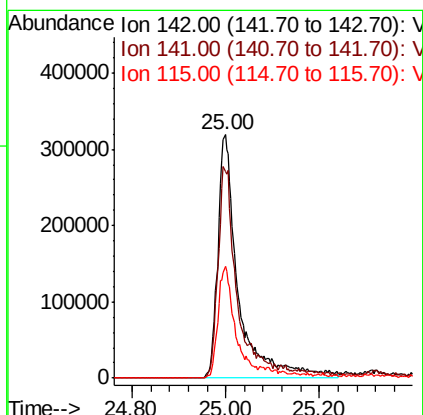
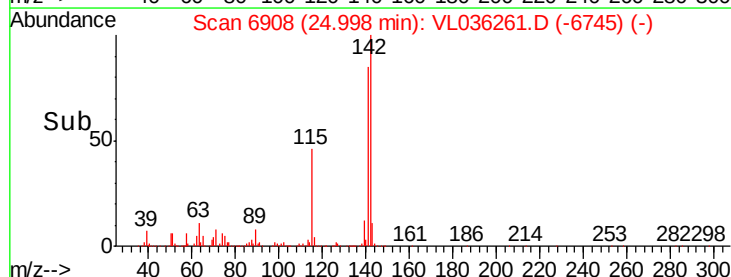
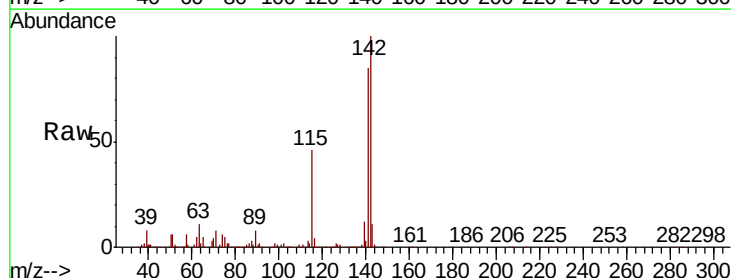
Tgt Ion:142 Resp: 979944

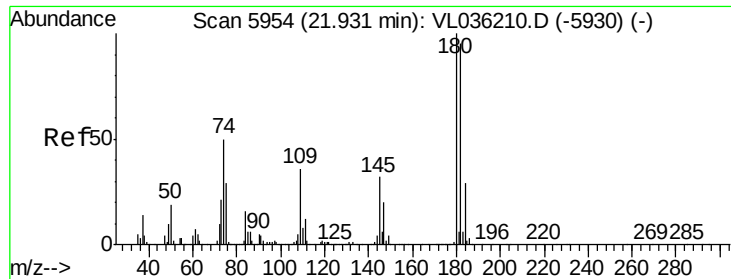
Ion Ratio Lower Upper

142 100

141 81.8 68.6 102.8

115 45.4 32.9 49.3

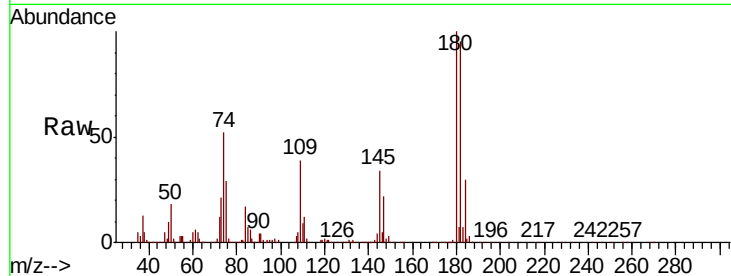




#81
 1,2,4-Trichlorobenzene
 Concen: 10.246 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 1435576
 Ion Ratio Lower Upper
 180 100
 182 102.0 79.9 119.9
 184 32.8 25.6 38.4



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

