

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036746.D
 Acq On : 8 Apr 2021 10:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 09 08:37:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1242877	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3182280	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2858756	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2312511	10.15	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2011524	9.923	ppbv 95
3) Chlorodifluoromethane	2.98	51	2419054	10.417	ppbv 100
4) Chloromethane	3.13	50	867859	10.581	ppbv 97
5) Vinyl Chloride	3.25	62	850131	10.080	ppbv 98
6) Bromomethane	3.47	94	455117	9.801	ppbv 95
7) Chloroethane	3.55	64	286123	9.873	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	1961507	10.138	ppbv 97
9) Propene	3.00	41	776192	10.485	ppbv 98
10) Heptane	8.11	43	2015592	10.688	ppbv 99
11) Trichlorofluoromethane	3.94	101	2040028	9.875	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1322534	10.013	ppbv 98
13) Ethanol	3.60	45	87325	9.906	ppbv 95
14) Bromoethene	3.73	108	575497	10.480	ppbv 98
15) Acetone	3.84	43	1146049	9.369	ppbv 100
16) 1,3-Butadiene	3.32	39	834700	9.801	ppbv 96
17) tert-Butyl alcohol	4.28	59	1186094	11.138	ppbv 98
18) 1,1-Dichloroethene	4.28	96	596510	10.153	ppbv 96
19) Isopropyl Alcohol	3.96	45	701190	10.420	ppbv 99
20) Methylene Chloride	4.33	84	516736	9.022	ppbv 93
21) Allyl Chloride	4.40	41	1001419	10.269	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	570278	10.470	ppbv 94
23) Vinyl Acetate	5.06	43	2286353	10.927	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1492552	9.786	ppbv 99
25) Ethyl Acetate	5.67	43	3108966	10.690	ppbv 99
26) Hexane	5.68	57	1436721	10.645	ppbv 99
27) Carbon Disulfide	4.54	76	1459571	10.978	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1668251	10.481	ppbv 99
29) Chloroform	5.74	83	2275756	10.544	ppbv 98
30) Cyclohexane	7.12	84	1214721	11.098	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1398226	10.711	ppbv 96
32) 1,1,1-Trichloroethane	6.50	97	2311615	10.627	ppbv 99
34) 2-Butanone	5.23	43	1530515	9.853	ppbv 99
35) Carbon Tetrachloride	7.01	117	2409135	9.856	ppbv 98
36) Benzene	6.88	78	3026176	10.311	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1726100	9.992	ppbv 99
38) Trichloroethene	7.83	130	1091449	9.556	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1185029	9.954	ppbv 97
40) 1,4-Dioxane	7.83	88	289214	10.438	ppbv 87
41) Tetrahydrofuran	6.04	42	730917	10.205	ppbv 95
42) Bromodichloromethane	7.78	83	2441057	10.389	ppbv 96
43) Methyl Methacrylate	8.00	69	1092667	11.087	ppbv 97

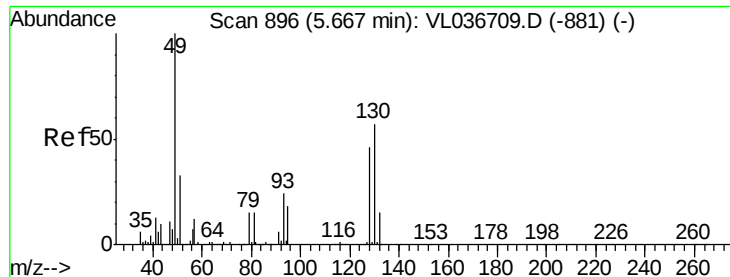
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036746.D
 Acq On : 8 Apr 2021 10:33
 Operator : SY/AP
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Quant Time: Apr 09 08:37:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5057697	9.791	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1293741	11.496	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1613110	11.214	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1219407	10.112	ppbv	98
48) Dibromochloromethane	10.30	129	2024674	11.014	ppbv	99
49) Bromoform	13.03	173	1663683	11.232	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2337214	10.398	ppbv	100
51) 2-Hexanone	10.13	43	1239552	10.928	ppbv #	100
52) Tetrachloroethene	11.21	164	1024383	9.479	ppbv	95
53) Toluene	9.80	91	3368533	10.778	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1758186	10.324	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1353533	10.468	ppbv	95
57) Chlorobenzene	12.14	112	2503554	10.292	ppbv	97
58) Ethyl Benzene	12.70	91	4548856	10.937	ppbv	99
59) m/p-Xylene	12.99	91	4016600	11.072	ppbv #	37
60) o-Xylene	13.69	91	3602613	10.271	ppbv	99
61) Styrene	13.52	104	2118656	12.006	ppbv	99
62) Isopropylbenzene	14.66	105	4906266	10.387	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2609033	9.751	ppbv	100
64) n-propylbenzene	15.55	120	1308015	11.326	ppbv	97
65) tert-Butylbenzene	16.74	119	4307063	10.515	ppbv	100
66) Benzyl Chloride	16.98	91	559078	12.349	ppbv	100
67) sec-Butylbenzene	17.29	105	6043538	10.453	ppbv	100
69) p-Isopropyltoluene	17.65	119	5005330	11.086	ppbv	99
70) n-Butylbenzene	18.55	91	5150157	11.002	ppbv	99
71) 2-Chlorotoluene	15.45	91	3796323	10.726	ppbv	100
72) 4-Ethyltoluene	15.83	105	4280512	11.137	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3882340	10.823	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4021274	10.475	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2332199	10.793	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2296407	10.704	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2230627	10.982	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1661463	9.134	ppbv	99
79) Naphthalene	22.19	128	2709707	12.097	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	565119	12.793	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	821376	5.939	ppbv #	16

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

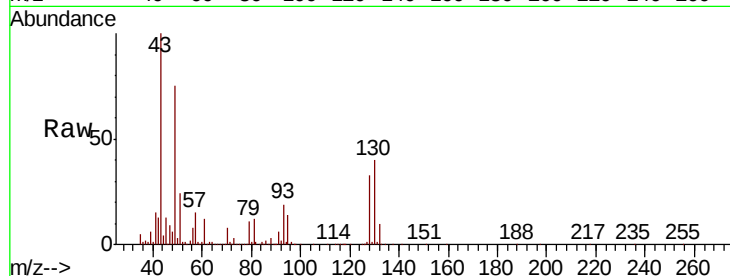
Tot Ion: 49 Resp: 1242877

Ion Ratio Lower Upper

49 100

128 48.8 23.5 70.6

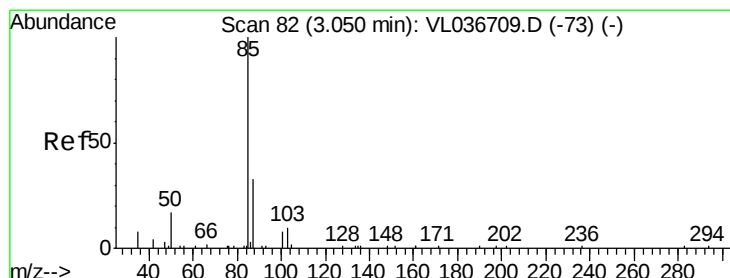
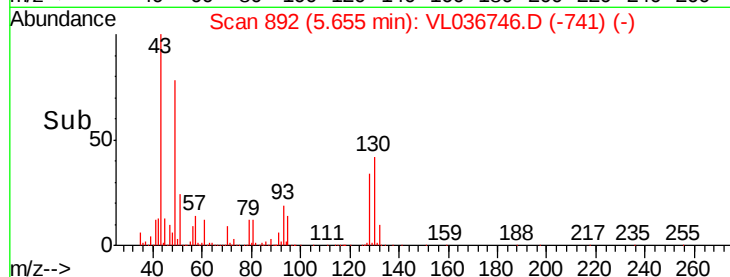
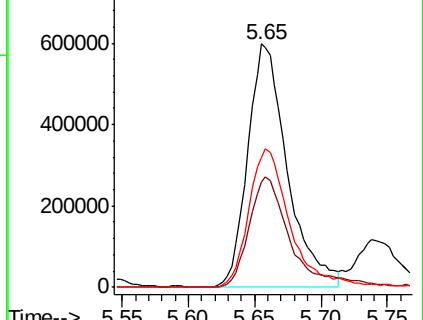
130 60.1 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.923 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036746.D

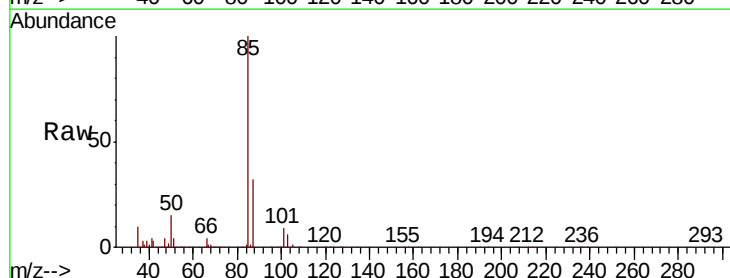
Acq: 8 Apr 2021 10:33

Tgt Ion: 85 Resp: 2011524

Ion Ratio Lower Upper

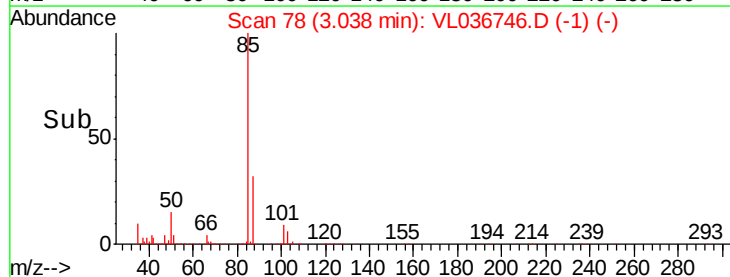
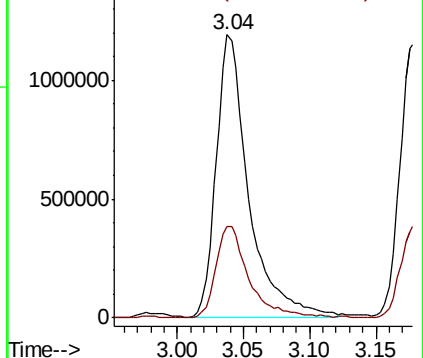
85 100

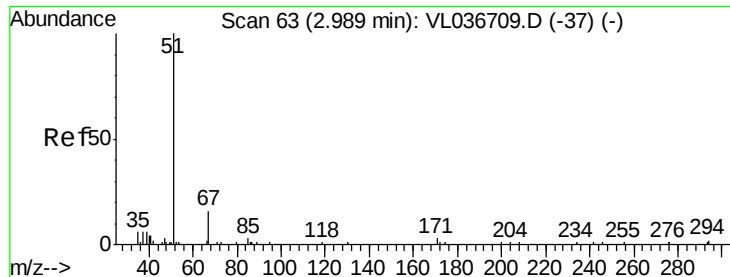
87 32.1 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.417 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

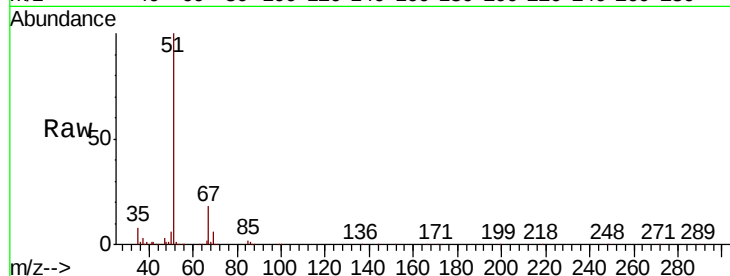
VSTDCCC010

Tot Ion: 51 Resp: 2419054

Ion Ratio Lower Upper

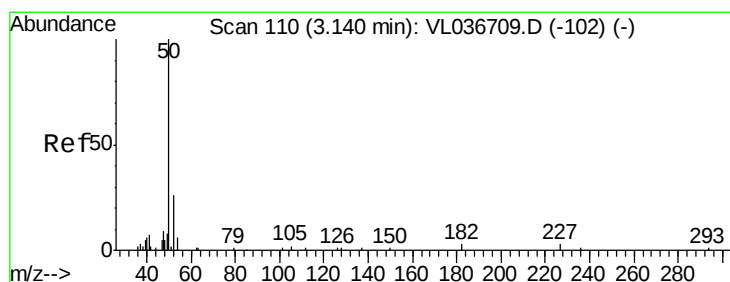
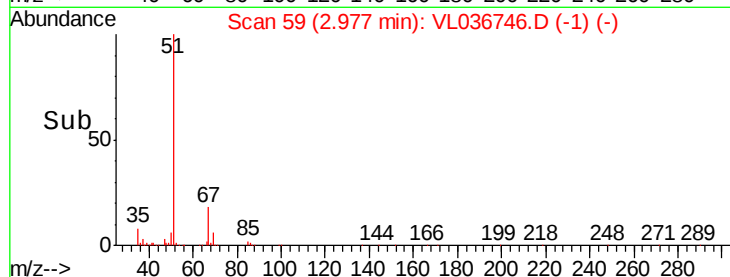
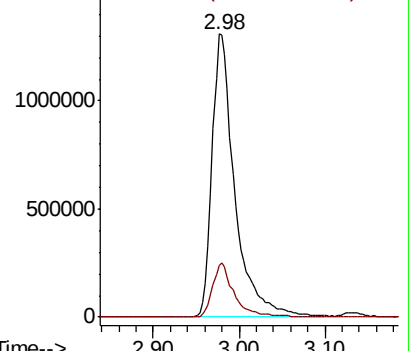
51 100

67 18.3 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.581 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036746.D

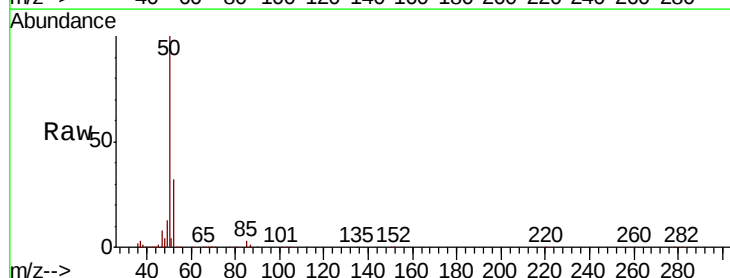
Acq: 8 Apr 2021 10:33

Tgt Ion: 50 Resp: 867859

Ion Ratio Lower Upper

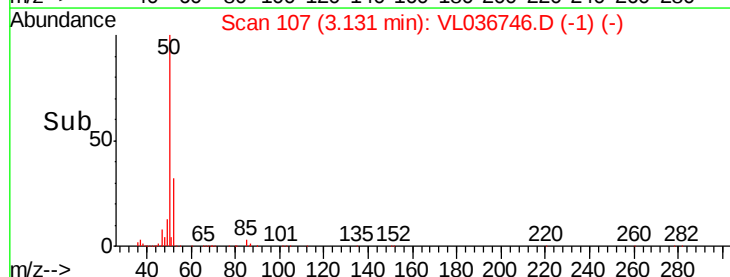
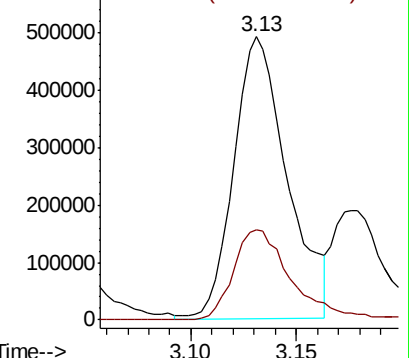
50 100

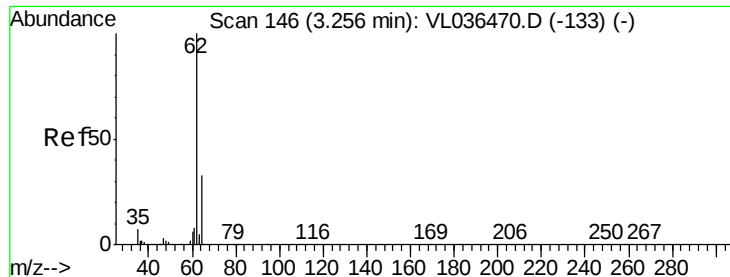
52 32.0 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.080 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

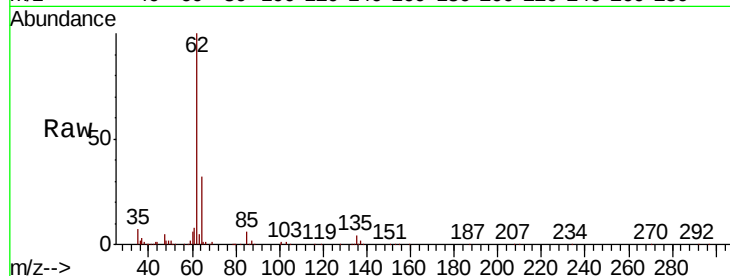
VSTDCCC010

Tot Ion: 62 Resp: 850131

Ion Ratio Lower Upper

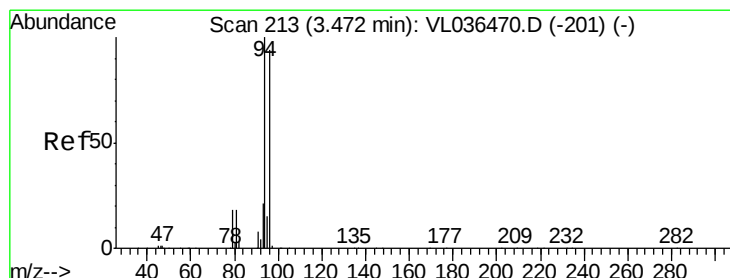
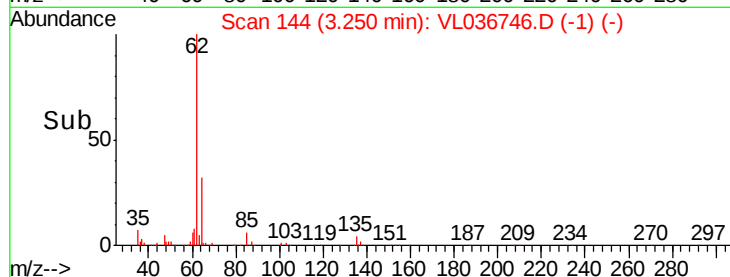
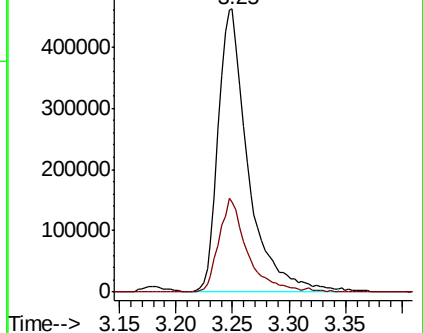
62 100

64 32.0 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.801 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036746.D

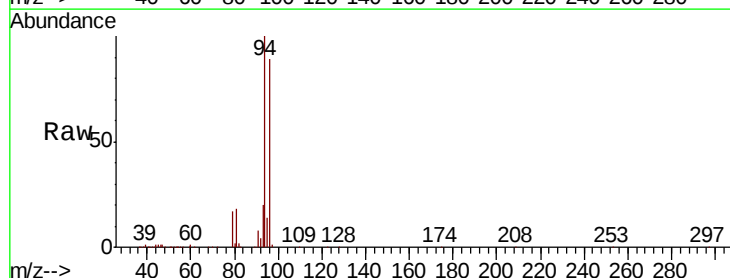
Acq: 8 Apr 2021 10:33

Tgt Ion: 94 Resp: 455117

Ion Ratio Lower Upper

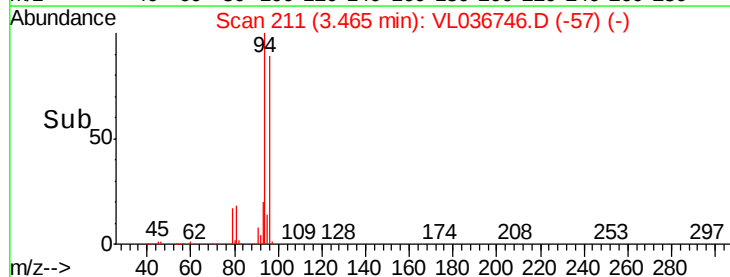
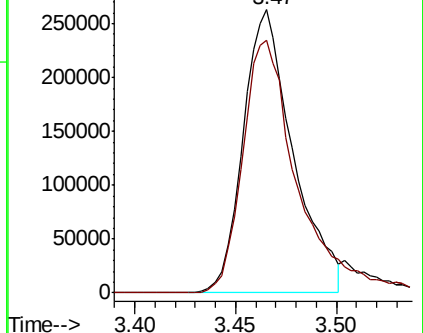
94 100

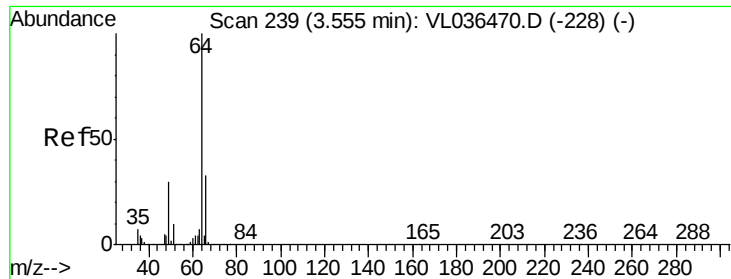
96 89.2 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.873 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

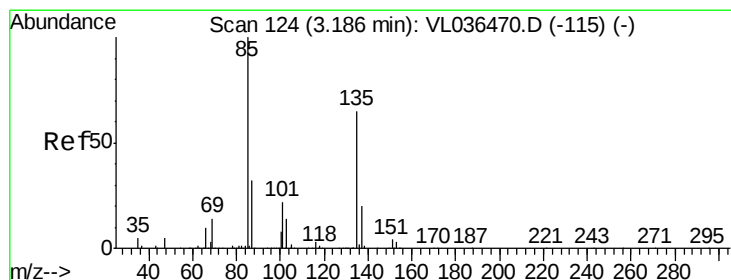
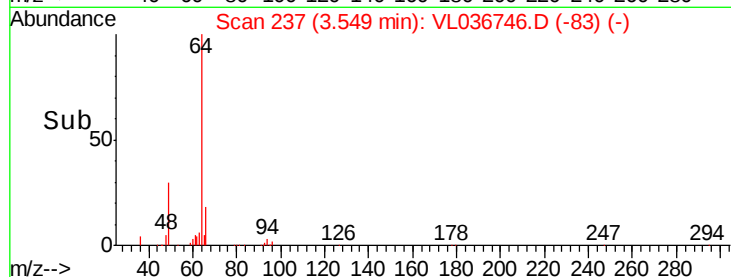
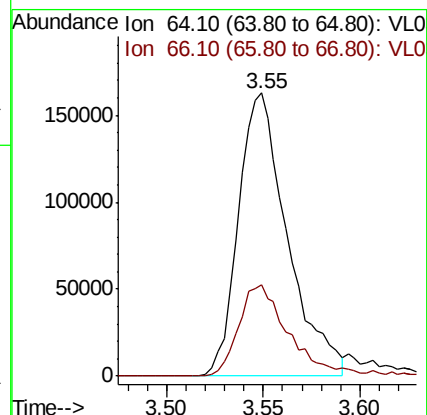
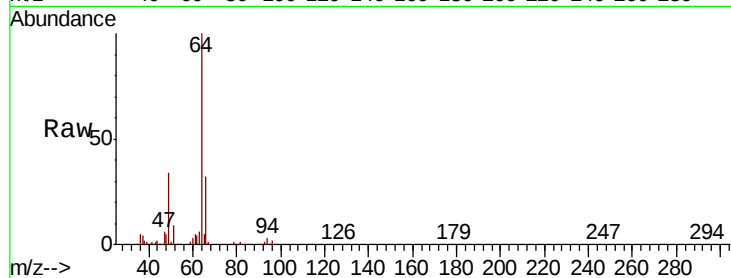
VSTDCCC010

Tot Ion: 64 Resp: 286123

Ion Ratio Lower Upper

64 100

66 32.4 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 10.138 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036746.D

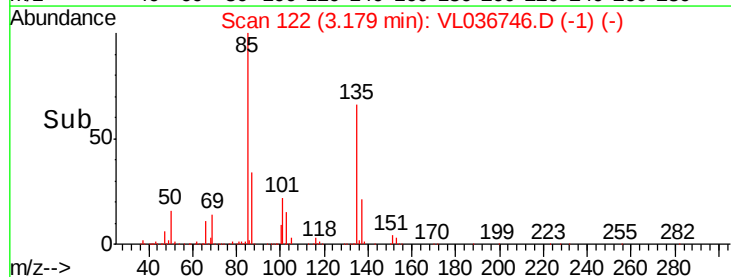
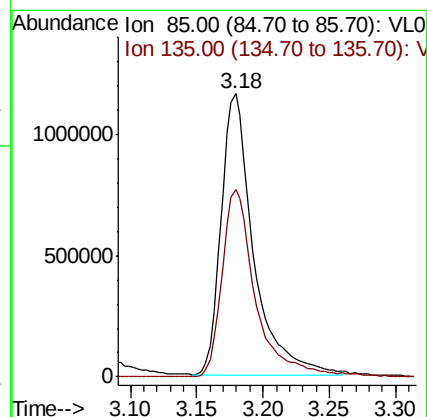
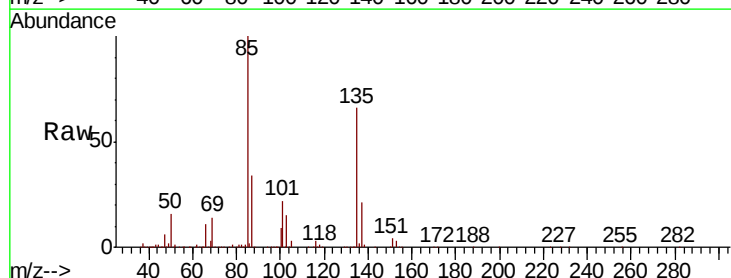
Acq: 8 Apr 2021 10:33

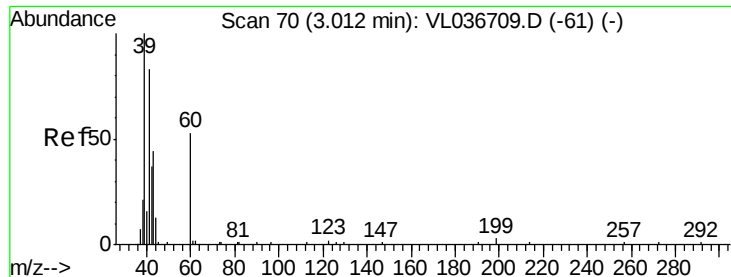
Tgt Ion: 85 Resp: 1961507

Ion Ratio Lower Upper

85 100

135 70.2 54.3 81.5





#9

Propene

Concen: 10.485 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

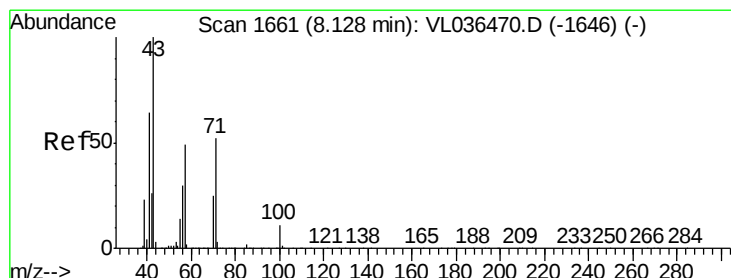
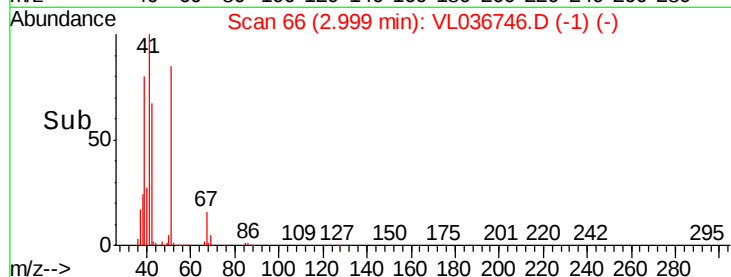
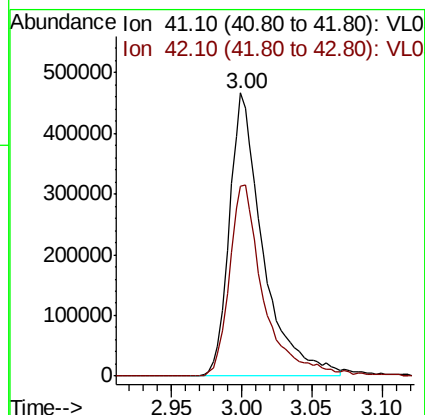
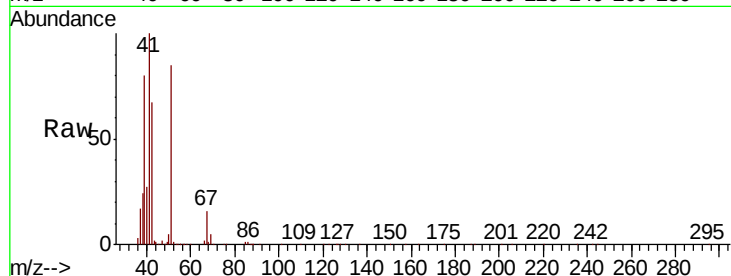
VSTDCCC010

Tot Ion: 41 Resp: 776192

Ion Ratio Lower Upper

41 100

42 69.7 57.0 85.4



#10

Heptane

Concen: 10.688 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL036746.D

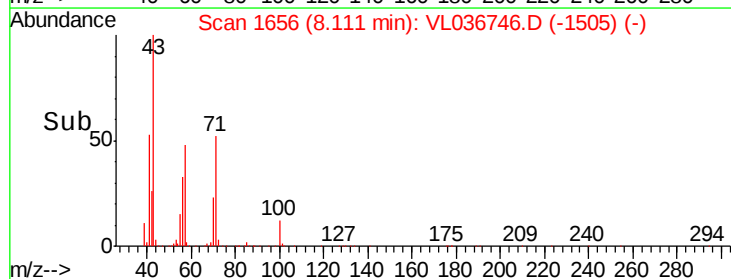
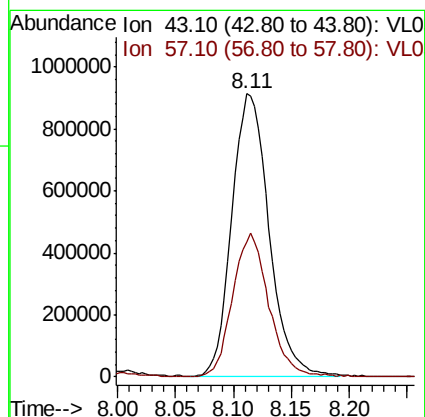
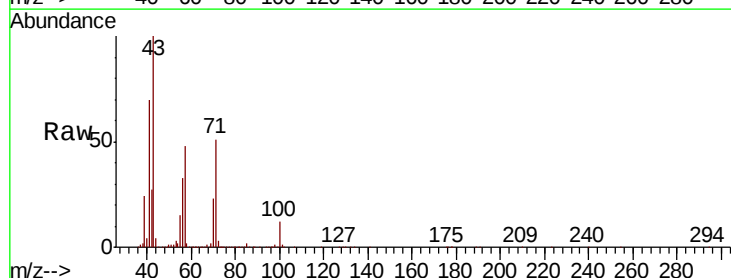
Acq: 8 Apr 2021 10:33

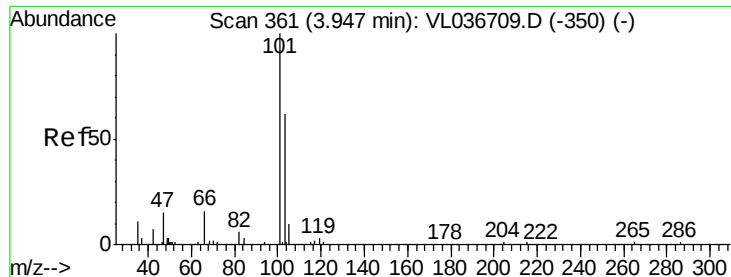
Tgt Ion: 43 Resp: 2015592

Ion Ratio Lower Upper

43 100

57 49.5 39.0 58.6

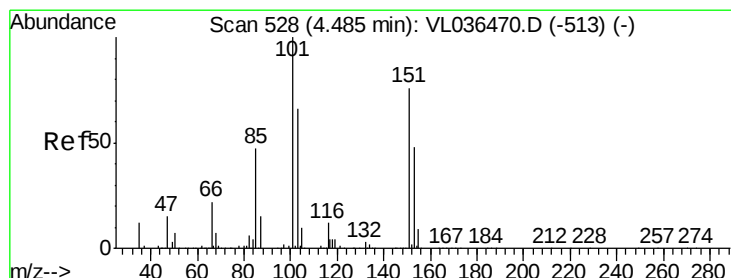
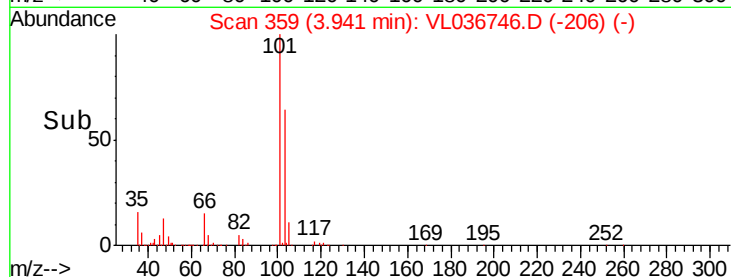
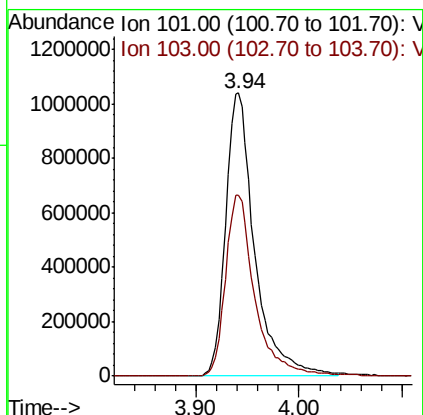
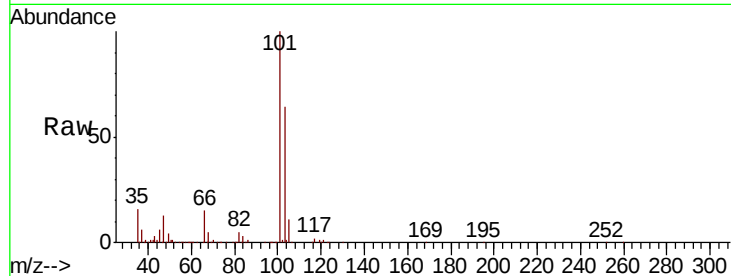




#11
 Trichlorofluoromethane
 Concen: 9.875 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

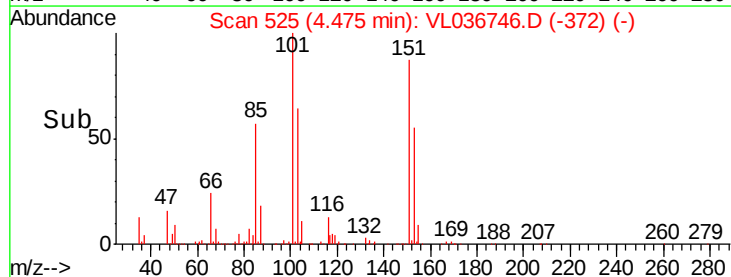
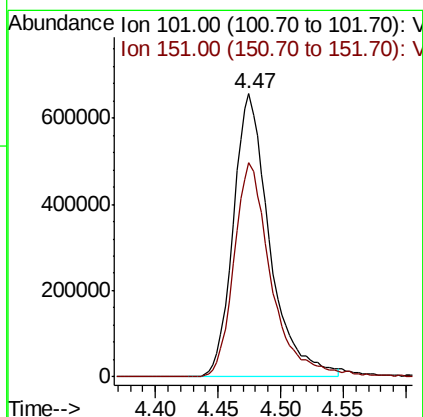
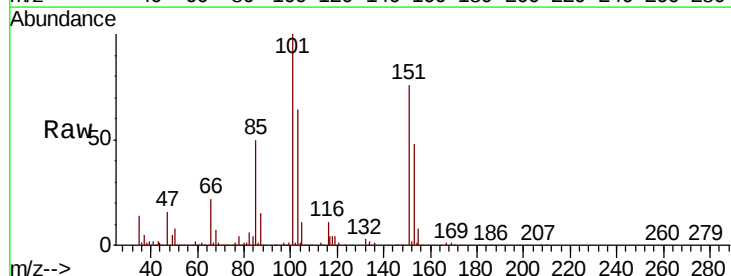
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

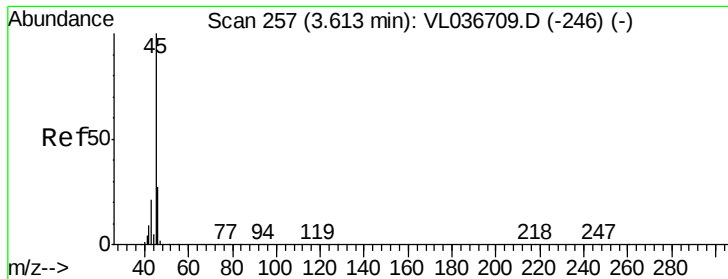
Tot Ion:101 Resp: 2040028
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.013 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion:101 Resp: 1322534
 Ion Ratio Lower Upper
 101 100
 151 77.8 60.9 91.3

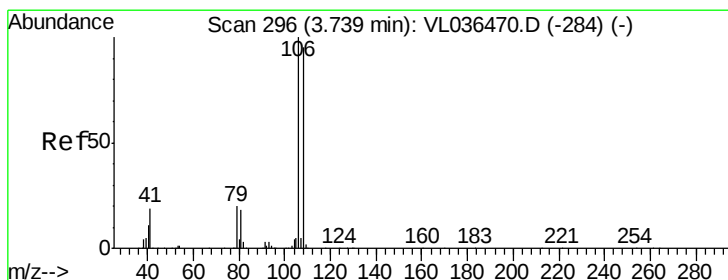
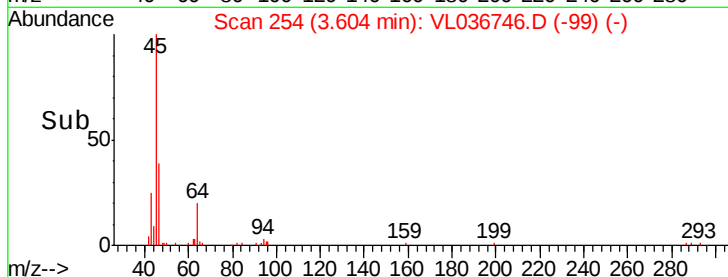
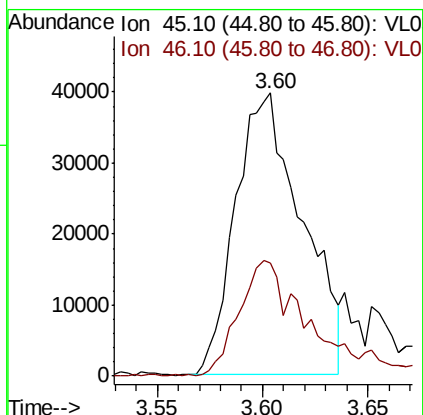
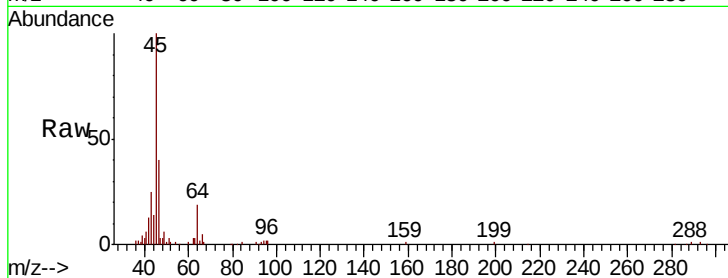




#13
Ethanol
Concen: 9.906 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

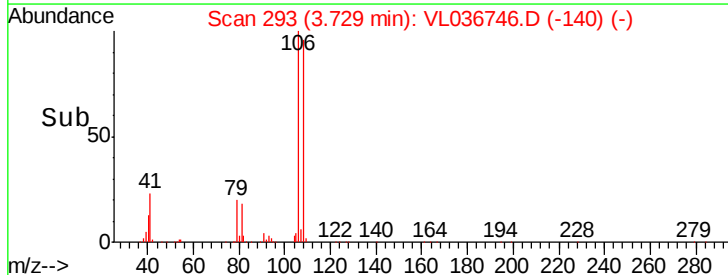
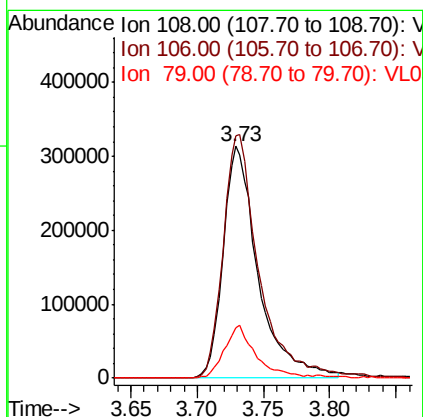
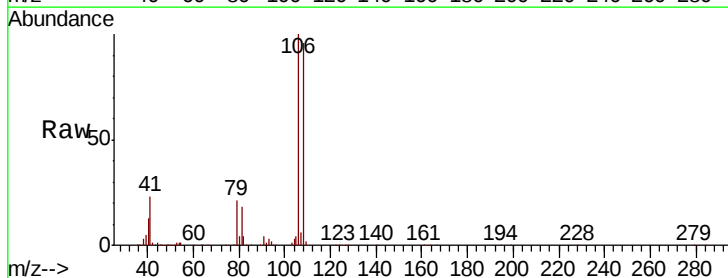
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

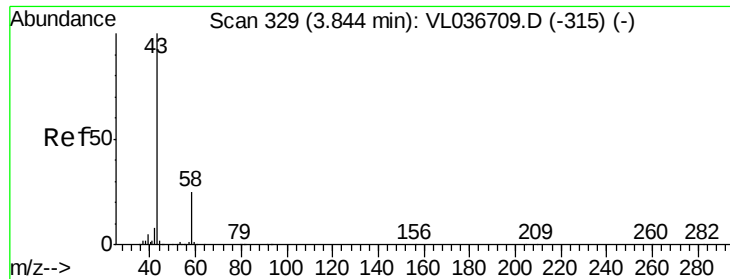
Tot Ion: 45 Resp: 87325
Ion Ratio Lower Upper
45 100
46 44.2 16.6 66.2



#14
Bromoethene
Concen: 10.480 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion: 108 Resp: 575497
Ion Ratio Lower Upper
108 100
106 109.2 89.0 133.6
79 21.4 16.6 25.0

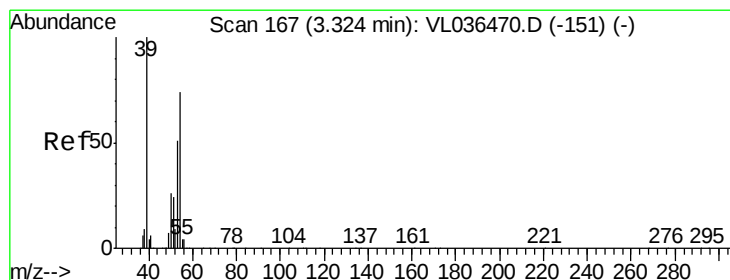
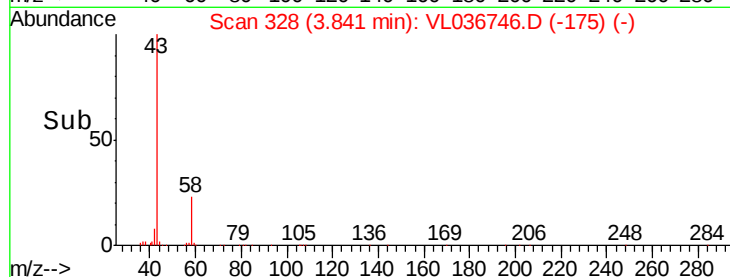
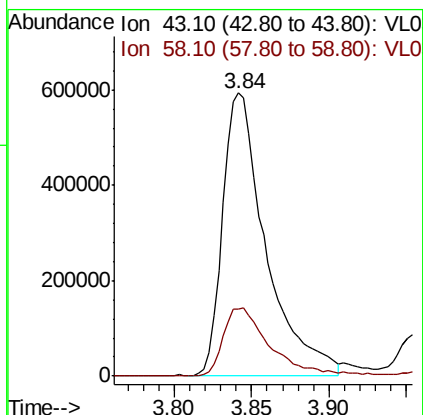
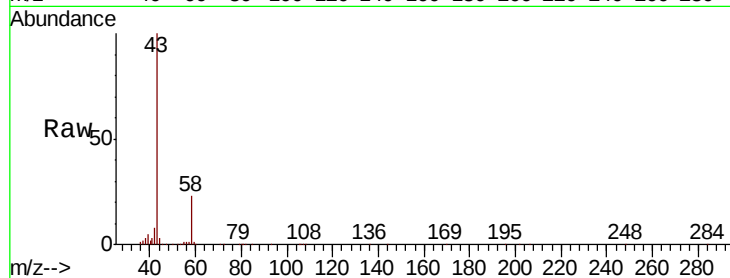




#15
Acetone
Concen: 9.369 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

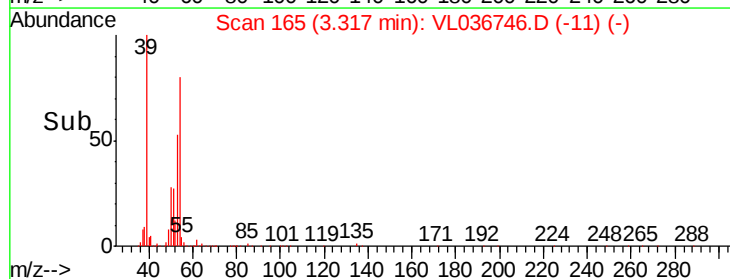
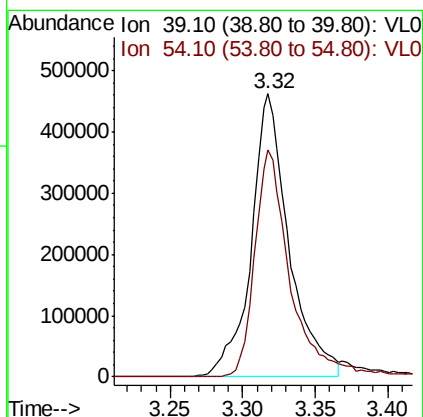
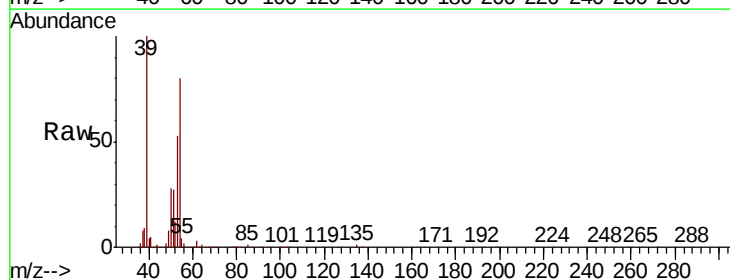
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

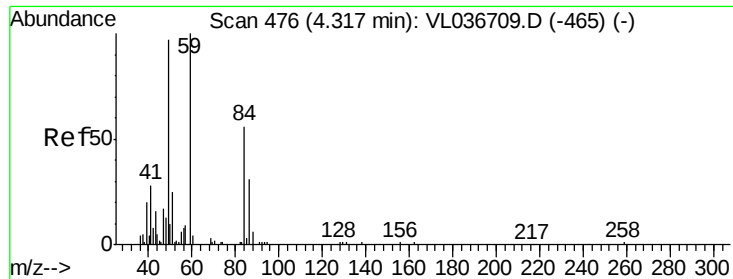
Tot Ion: 43 Resp: 1146049
Ion Ratio Lower Upper
43 100
58 26.5 21.2 31.8



#16
1,3-Butadiene
Concen: 9.801 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion: 39 Resp: 834700
Ion Ratio Lower Upper
39 100
54 77.2 58.8 88.2



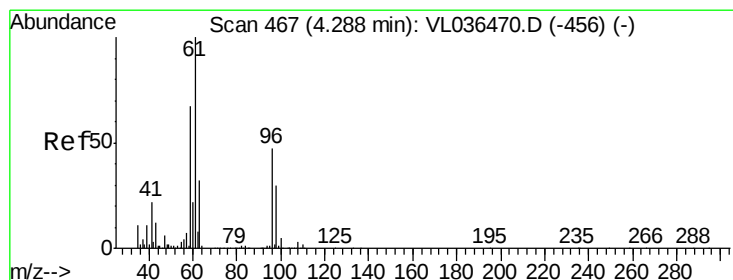
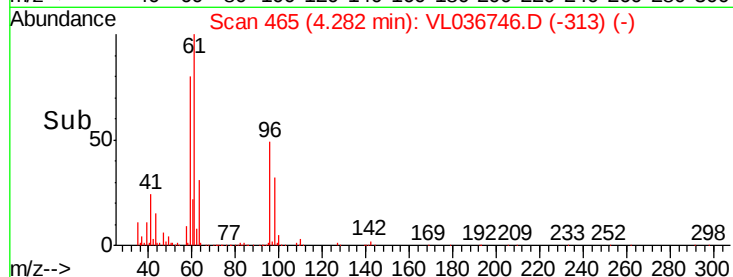
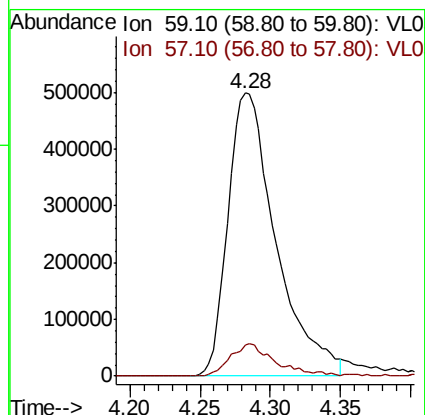
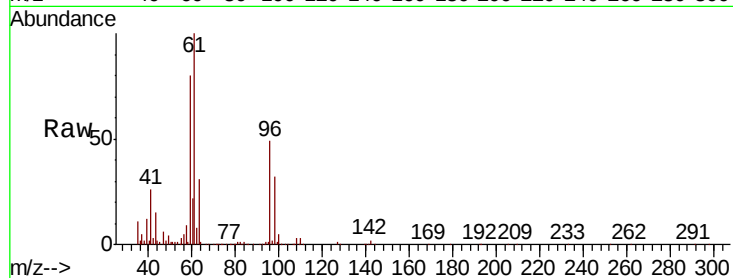


#17

tert-Butyl alcohol
 Concen: 11.138 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

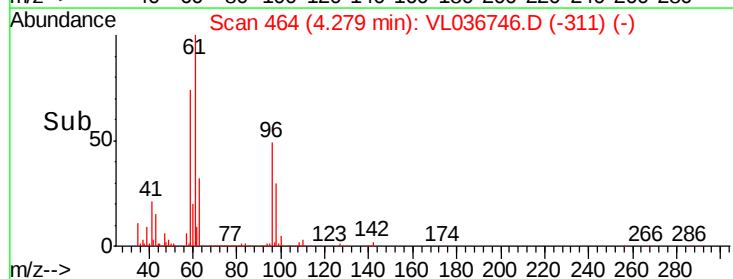
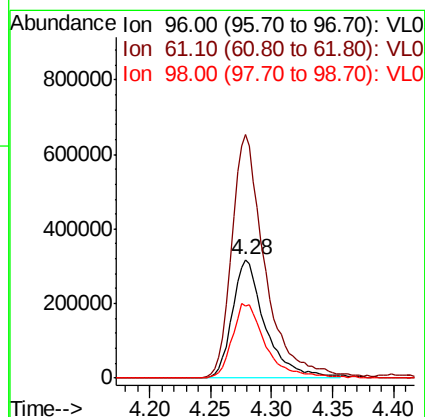
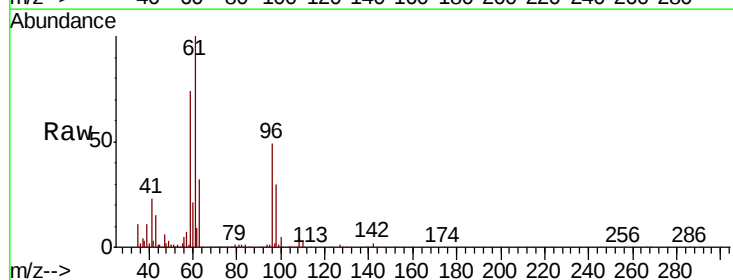
Tot Ion: 59 Resp: 1186094
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.6 12.8

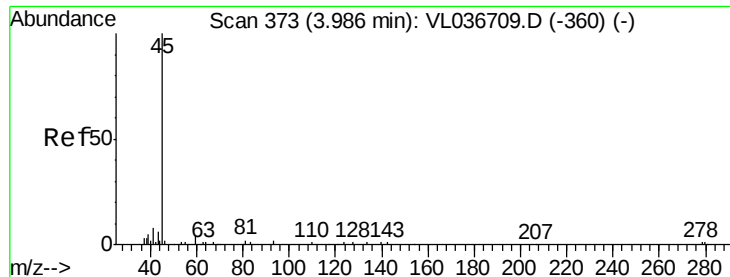


#18

1,1-Dichloroethene
 Concen: 10.153 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 96 Resp: 596510
 Ion Ratio Lower Upper
 96 100
 61 205.4 168.6 253.0
 98 60.6 50.8 76.2





#19

Isopropyl Alcohol

Concen: 10.420 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

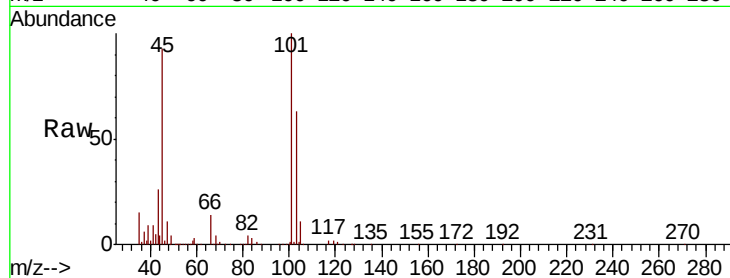
VSTDCCC010

Tot Ion: 45 Resp: 701190

Ion Ratio Lower Upper

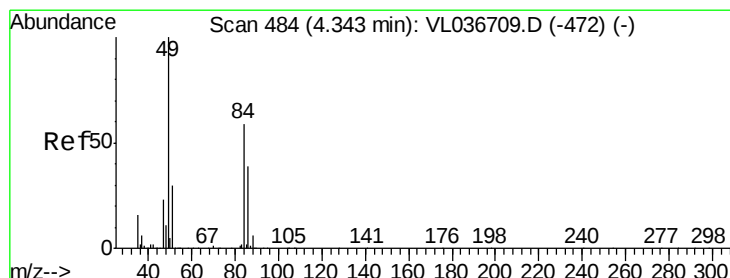
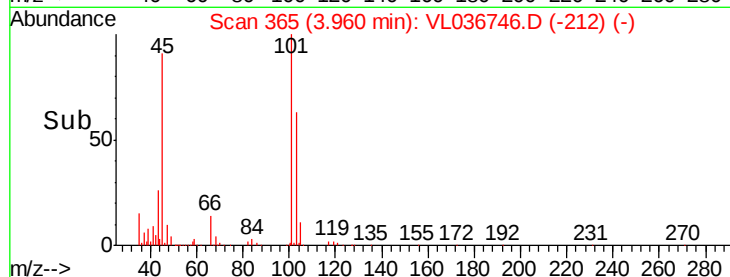
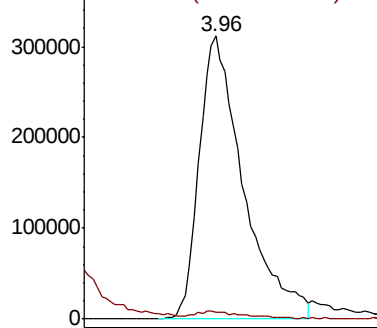
45 100

58 3.2 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.022 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion: 84 Resp: 516736

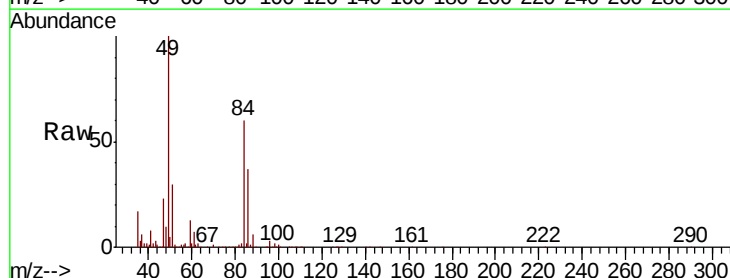
Ion Ratio Lower Upper

84 100

49 165.4 122.9 184.3

51 48.4 36.9 55.3

86 62.3 48.2 72.4

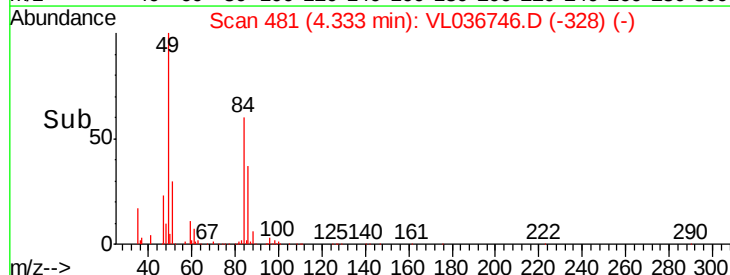
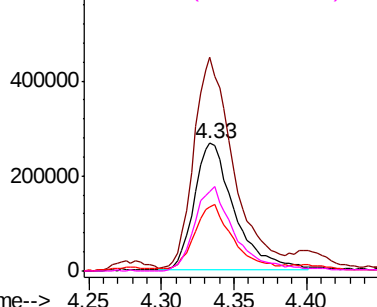


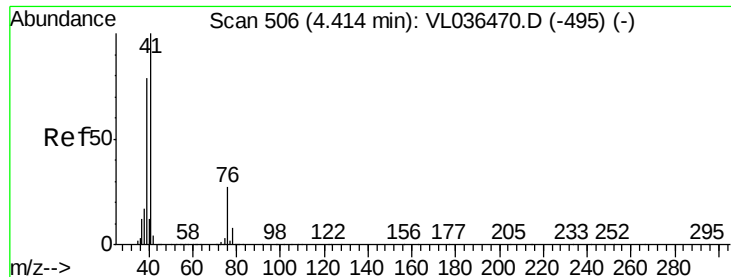
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

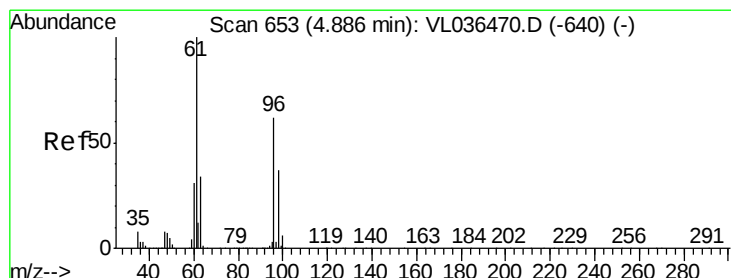
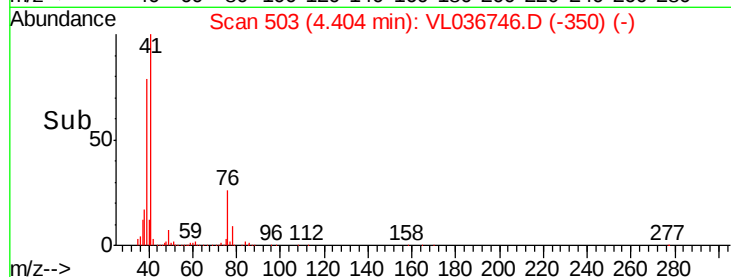
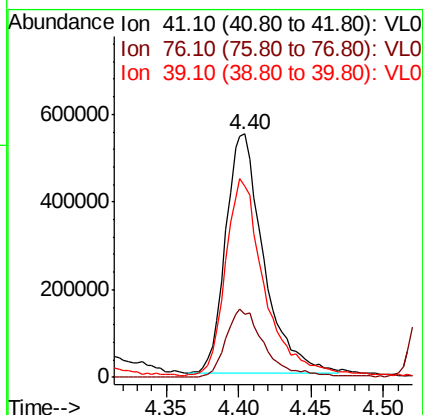
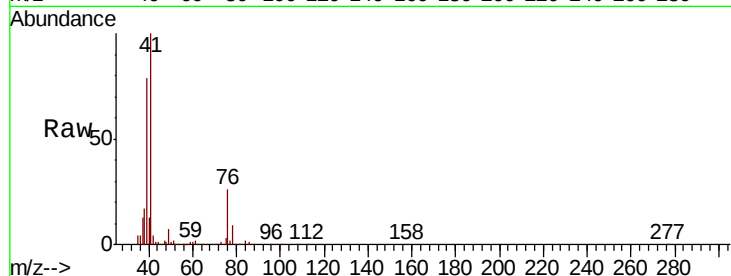




#21
Allvl Chloride
Concen: 10.269 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

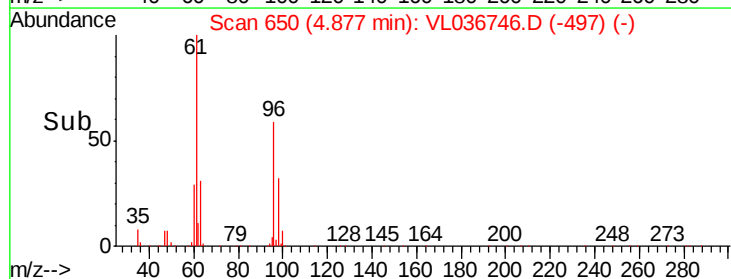
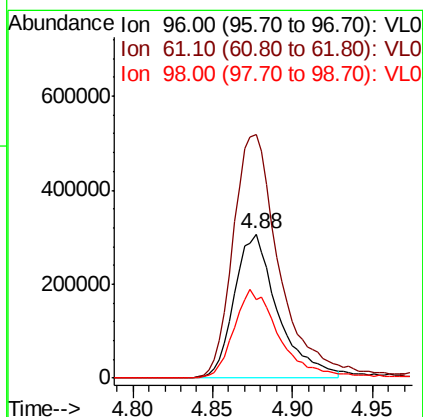
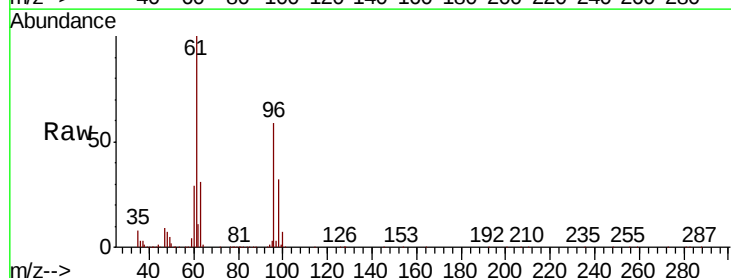
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

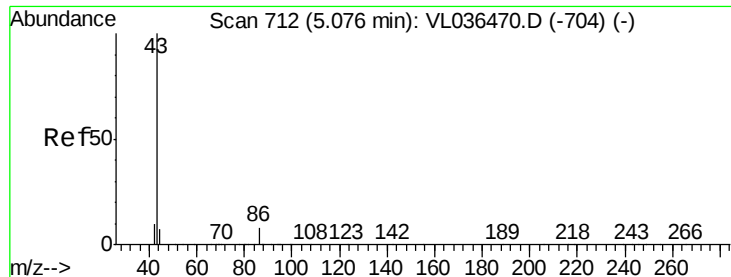
Tot Ion: 41 Resp: 1001419
Ion Ratio Lower Upper
41 100
76 29.0 22.9 34.3
39 84.9 67.3 100.9



#22
trans-1,2-Dichloroethene
Concen: 10.470 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion: 96 Resp: 570278
Ion Ratio Lower Upper
96 100
61 168.5 129.4 194.0
98 54.4 48.2 72.4





#23

Vinyl Acetate

Concen: 10.927 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2286353

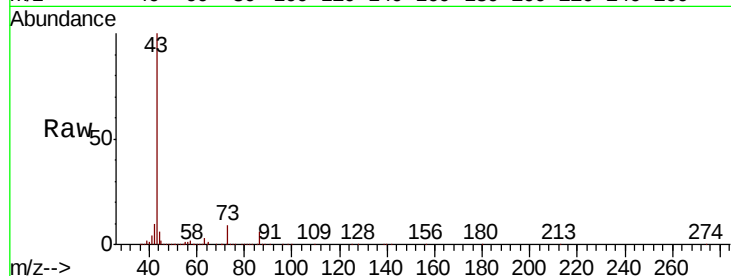
Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.4	8.0
42	10.3	8.5	12.7
44	5.6	4.6	7.0

43 100

86 6.5 5.4 8.0

42 10.3 8.5 12.7

44 5.6 4.6 7.0



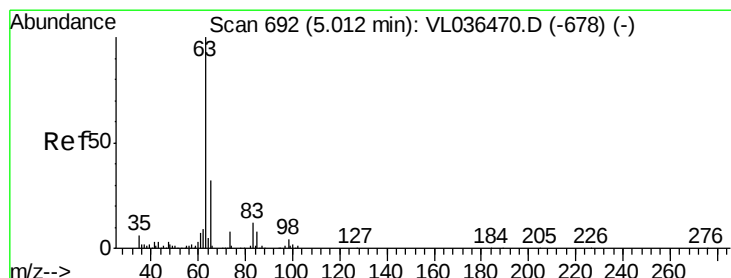
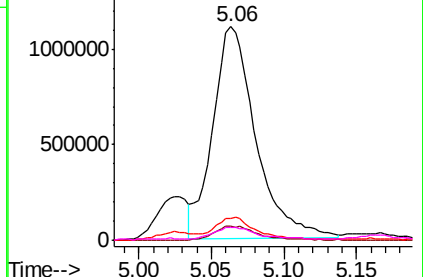
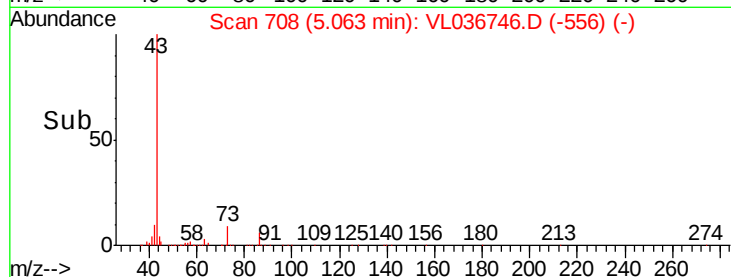
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

Time-->



#24

1,1-Dichloroethane

Concen: 9.786 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

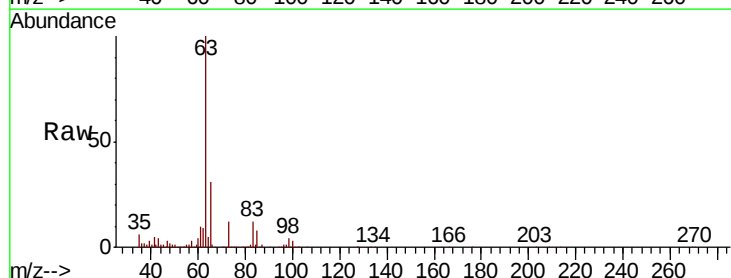
Tgt Ion: 63 Resp: 1492552

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.2
100	2.7	0.9	2.8

63 100

98 3.7 2.1 6.2

100 2.7 0.9 2.8

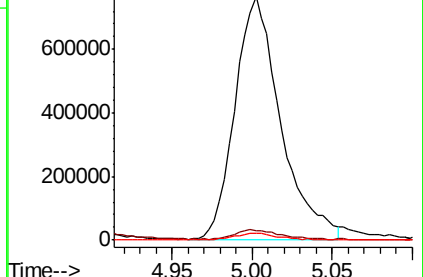
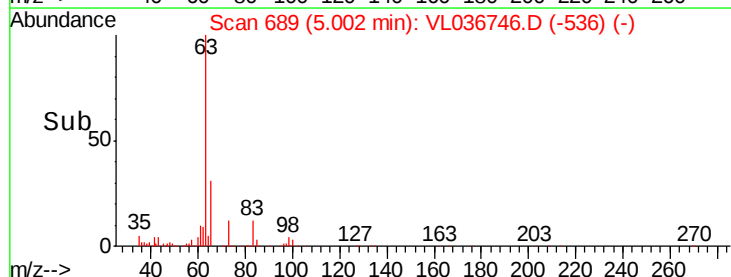


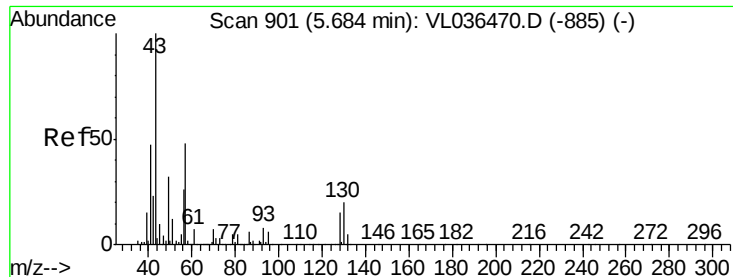
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->

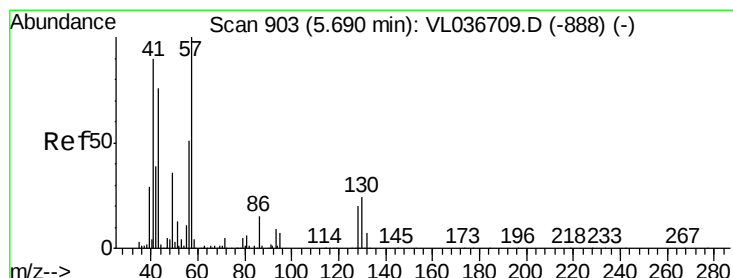
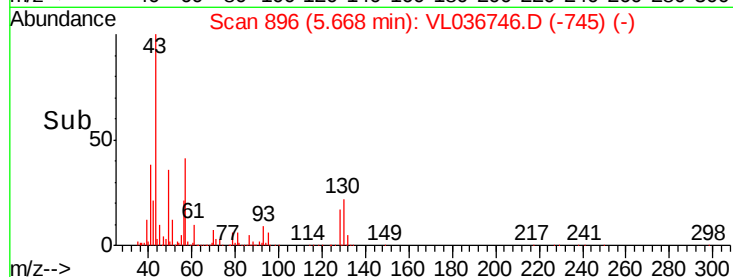
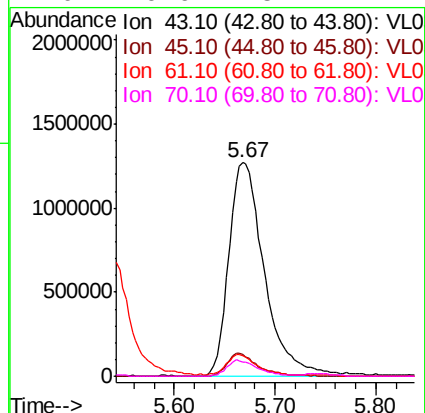
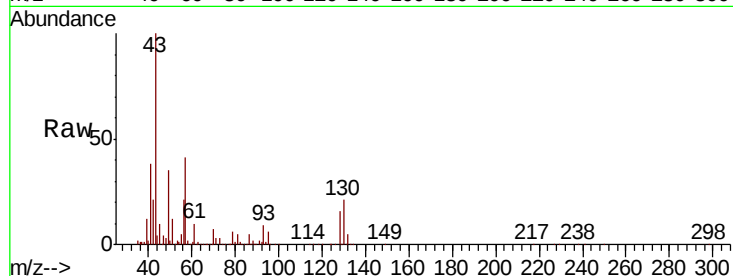




#25
Ethyl Acetate
Concen: 10.690 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

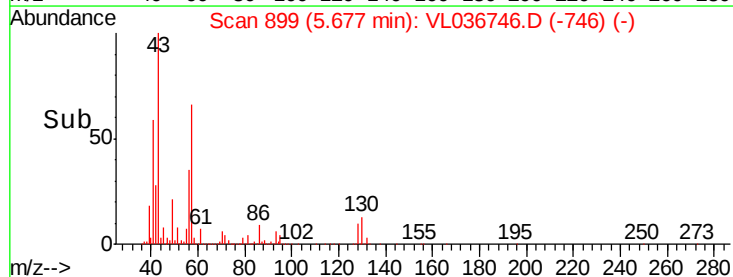
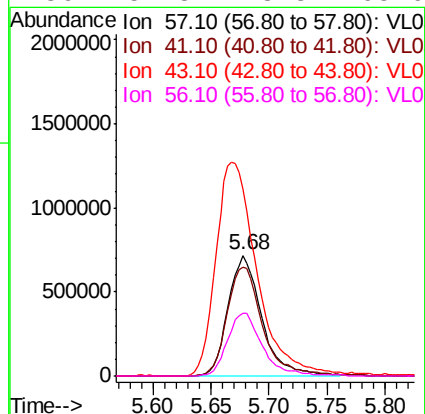
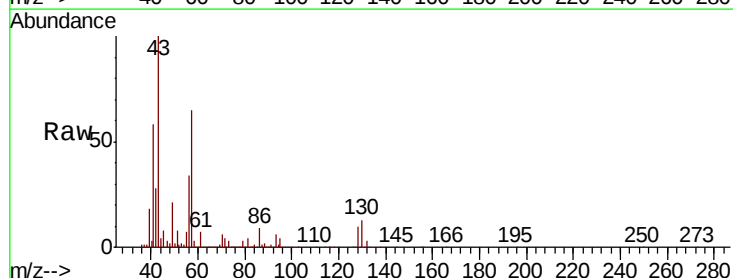
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

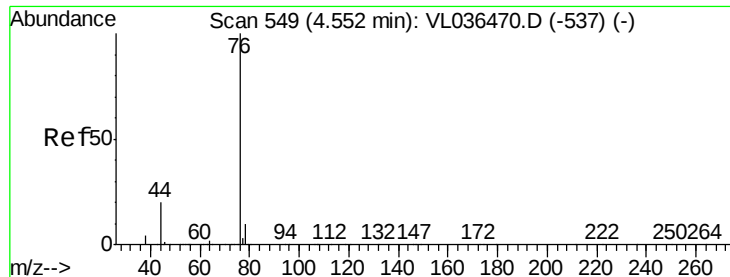
Tot Ion:	43	Resp:	3108966
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.9	11.9
61	9.3	7.4	11.2
70	6.6	5.1	7.7



#26
Hexane
Concen: 10.645 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion:	57	Resp:	1436721
Ion	Ratio	Lower	Upper
57	100		
41	96.1	77.2	115.8
43	219.4	173.8	260.6
56	54.8	43.8	65.6





#27

Carbon Disulfide

Concen: 10.978 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

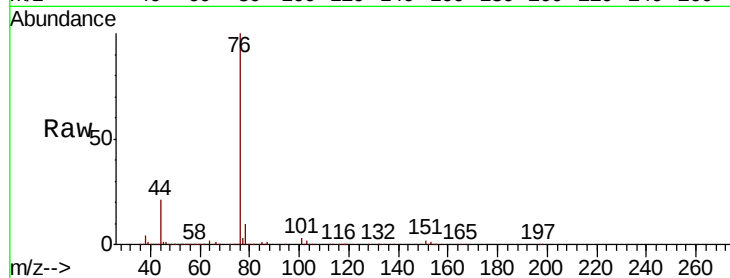
Tot Ion: 76 Resp: 1459571

Ion Ratio Lower Upper

76 100

44 22.6 17.5 26.3

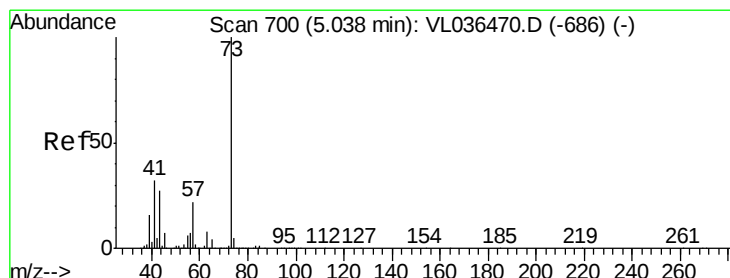
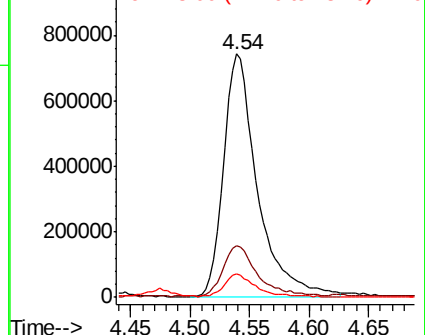
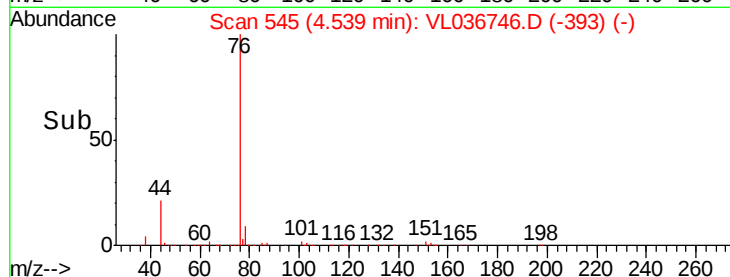
78 9.3 8.6 13.0



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: 10.481 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL036746.D

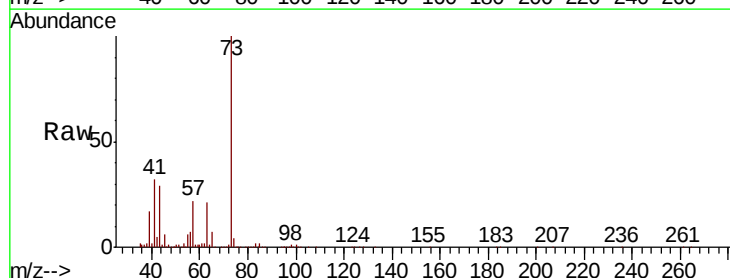
Acq: 8 Apr 2021 10:33

Tgt Ion: 73 Resp: 1668251

Ion Ratio Lower Upper

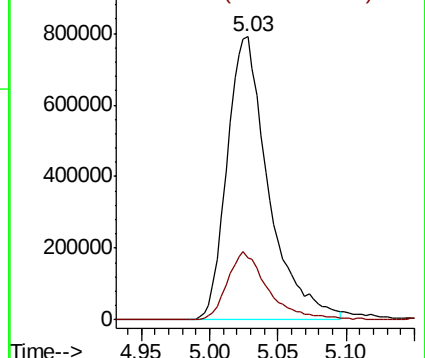
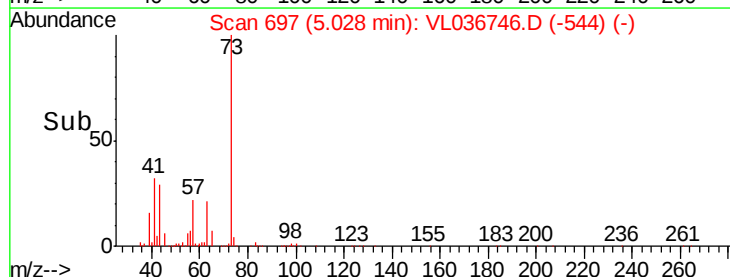
73 100

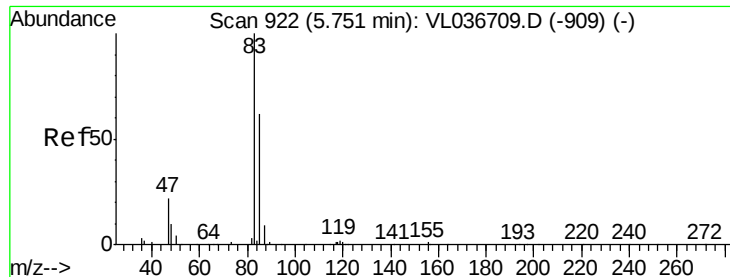
57 23.8 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.544 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

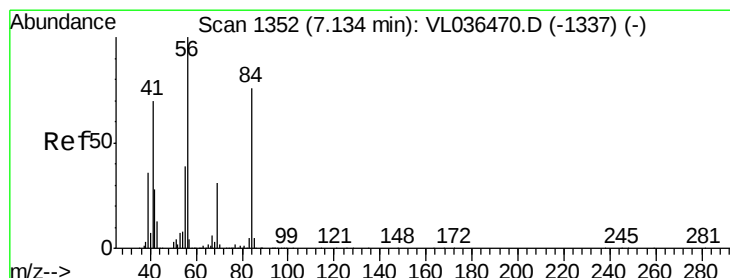
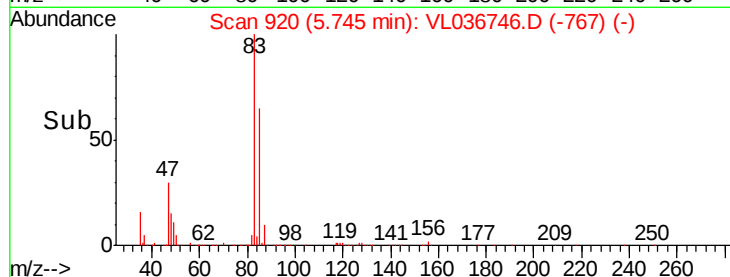
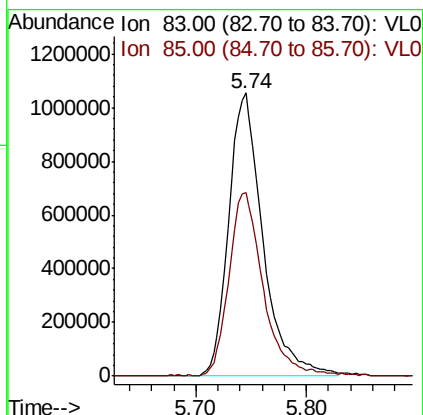
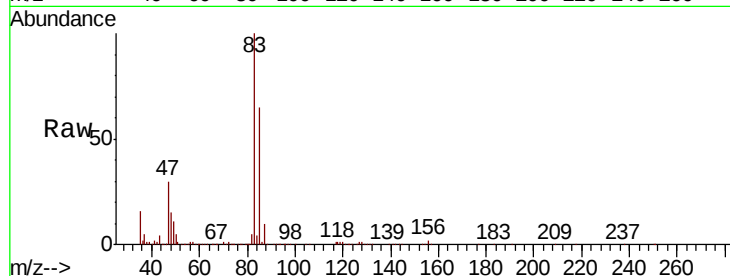
VSTDCCC010

Tot Ion: 83 Resp: 2275756

Ion Ratio Lower Upper

83 100

85 64.3 52.6 78.8



#30

Cyclohexane

Concen: 11.098 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

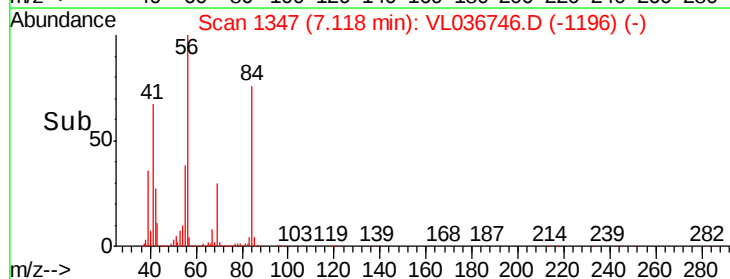
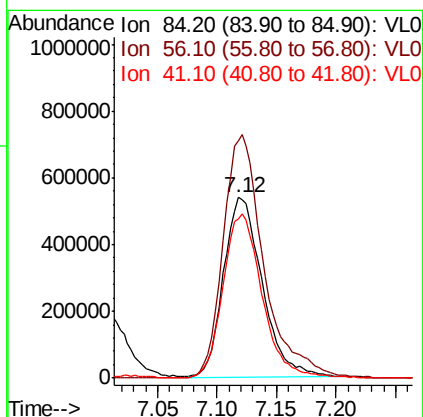
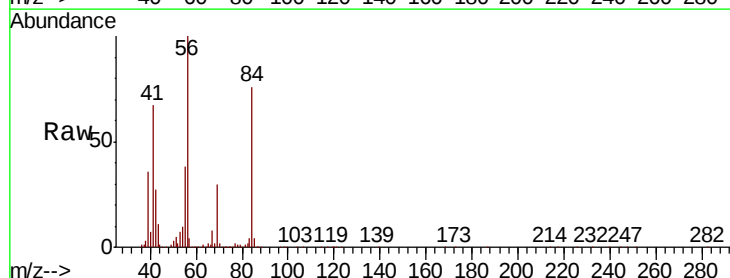
Tgt Ion: 84 Resp: 1214721

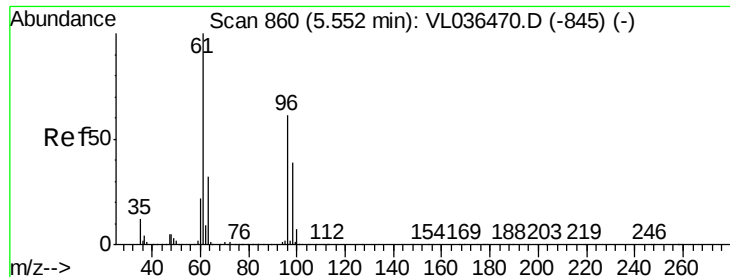
Ion Ratio Lower Upper

84 100

56 143.3 114.6 171.8

41 92.5 75.3 112.9



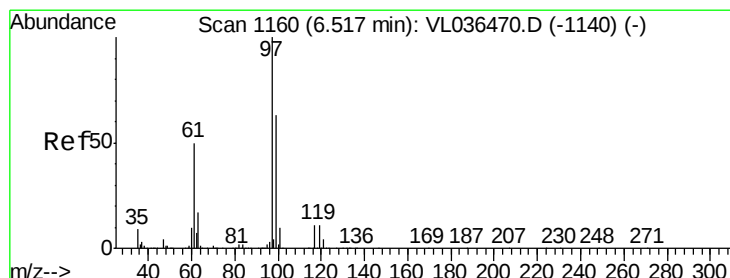
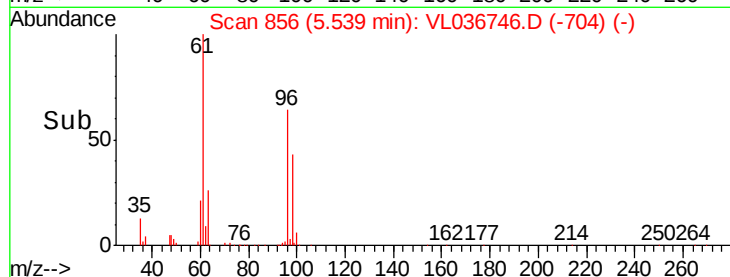
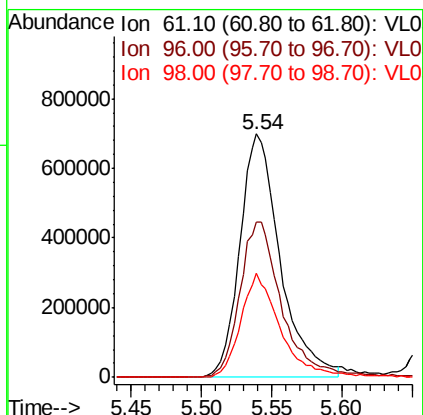
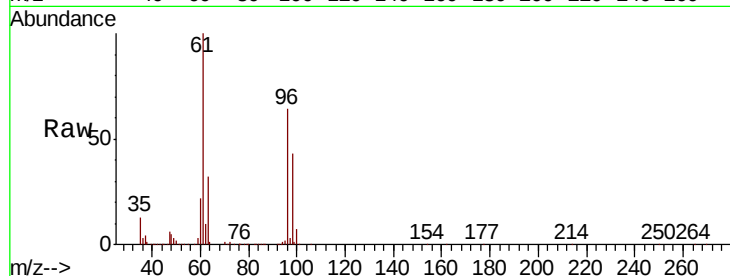


#31

cis-1,2-Dichloroethene
 Concen: 10.711 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

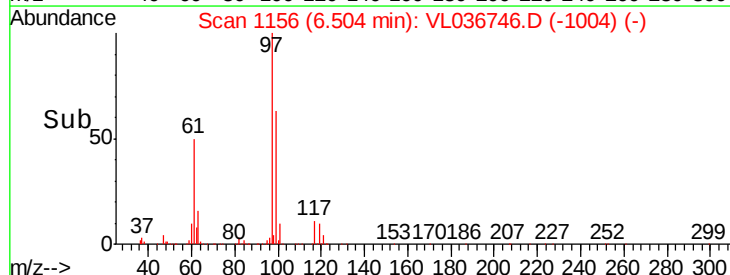
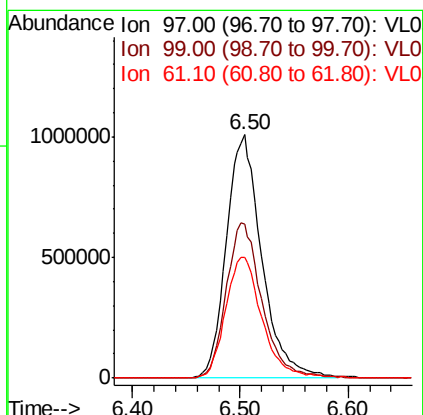
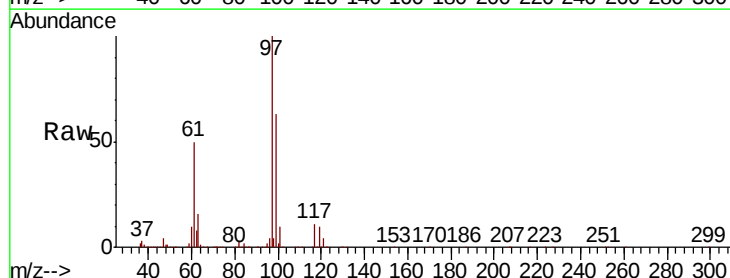
Tot Ion: 61 Resp: 1398226
 Ion Ratio Lower Upper
 61 100
 96 63.5 48.7 73.1
 98 42.6 31.4 47.0

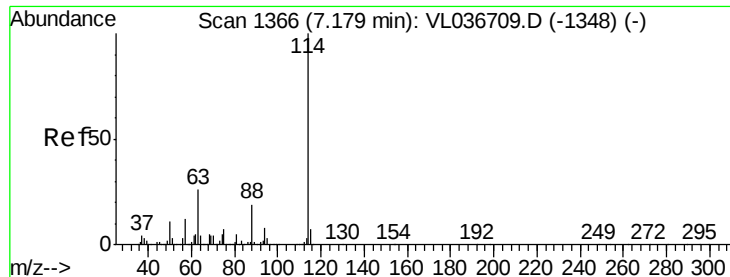


#32

1,1,1-Trichloroethane
 Concen: 10.627 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 97 Resp: 2311615
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.4 77.0
 61 51.2 40.6 60.8

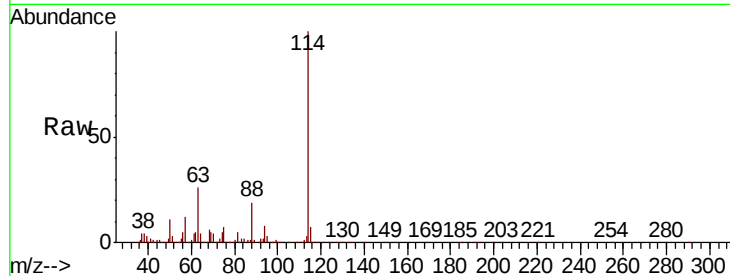




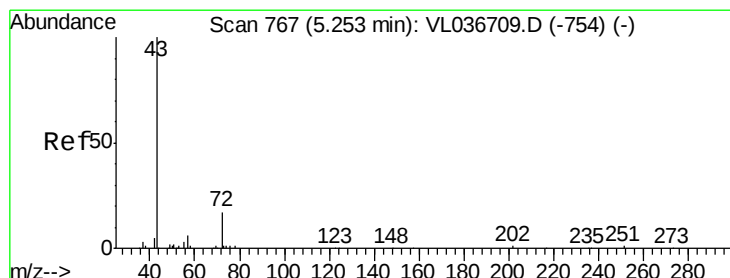
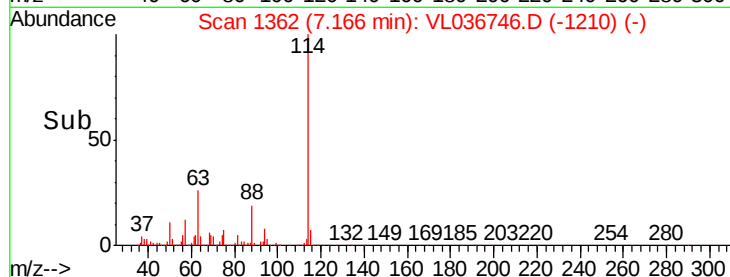
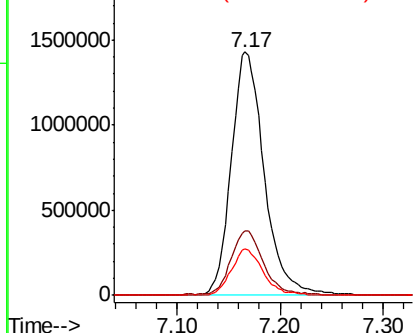
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3182280
 Ion Ratio Lower Upper
 114 100
 63 26.8 22.4 33.6
 88 18.7 15.4 23.0

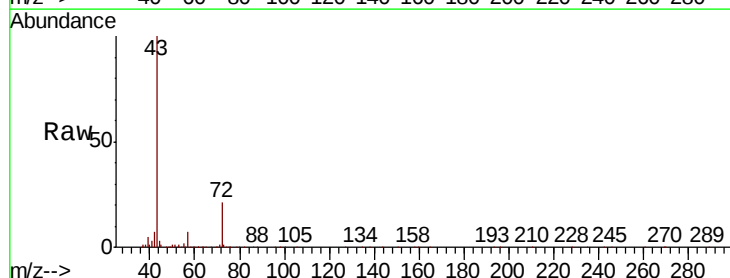


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

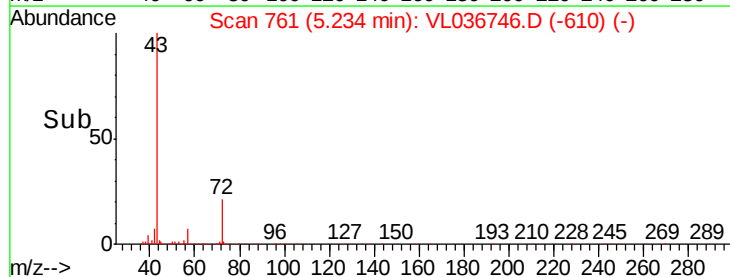
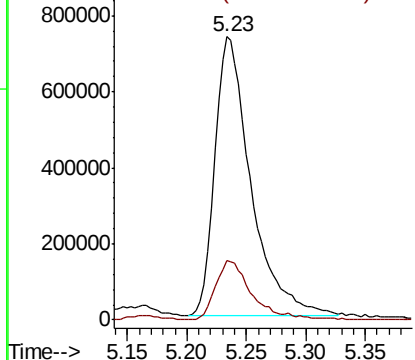


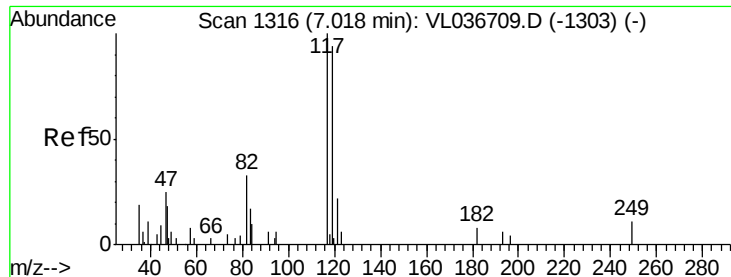
#34
 2-Butanone
 Concen: 9.853 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 43 Resp: 1530515
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 9.856 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

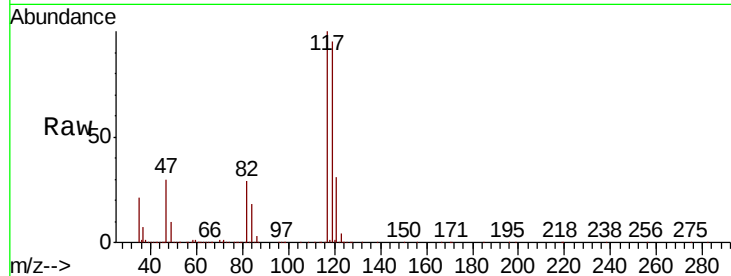
Tot Ion:117 Resp: 2409135

Ion Ratio Lower Upper

117 100

119 95.3 78.2 117.2

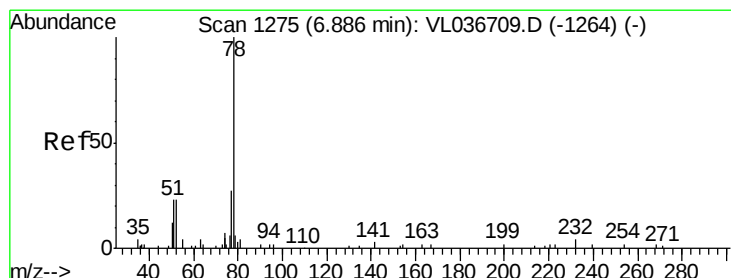
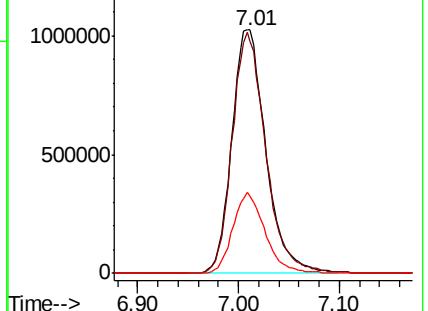
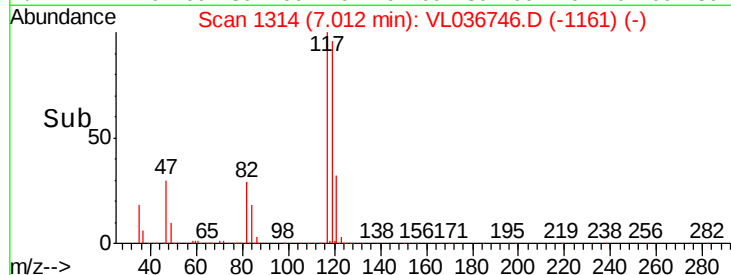
121 31.5 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.311 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

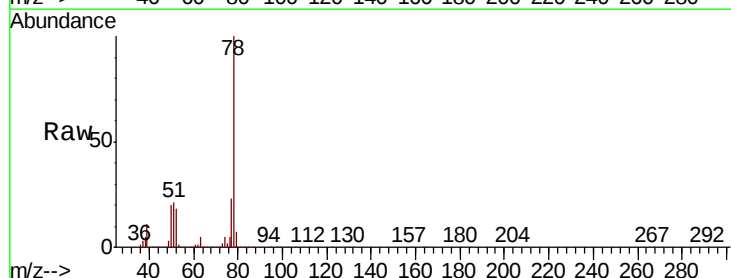
Tgt Ion: 78 Resp: 3026176

Ion Ratio Lower Upper

78 100

77 23.0 18.0 27.0

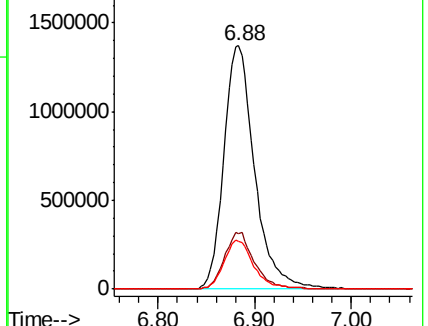
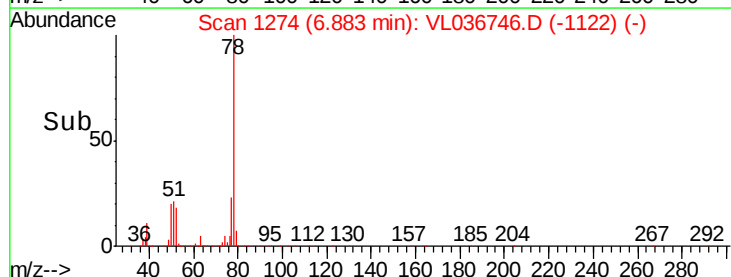
50 19.6 16.5 24.7

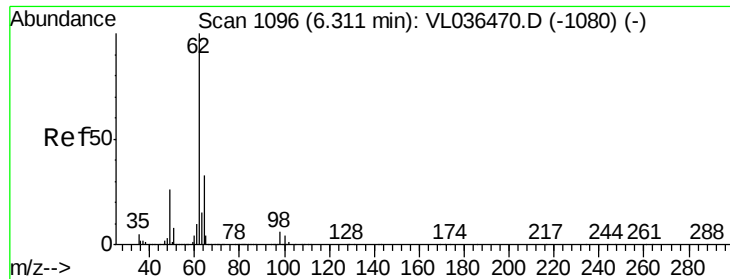


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

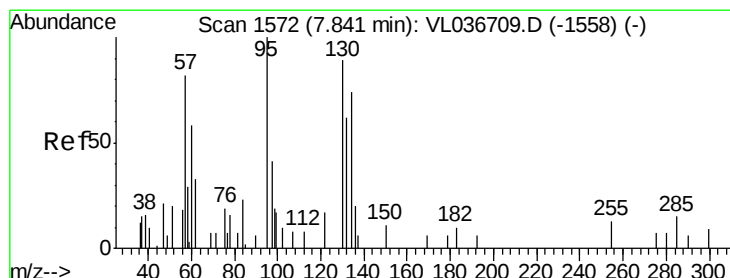
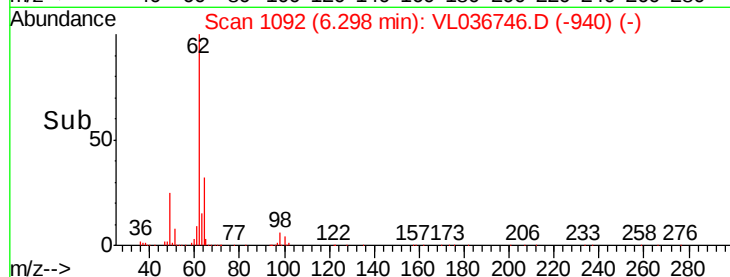
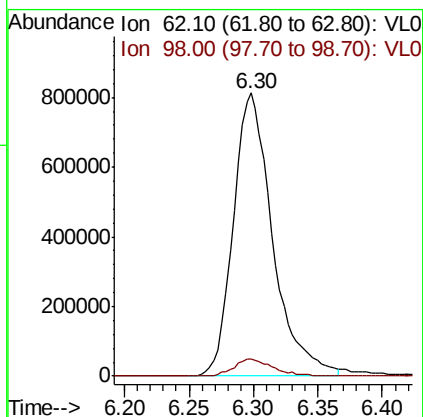
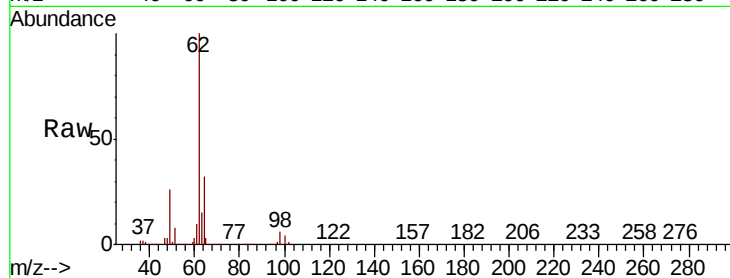




#37
 1,2-Dichloroethane
 Concen: 9.992 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

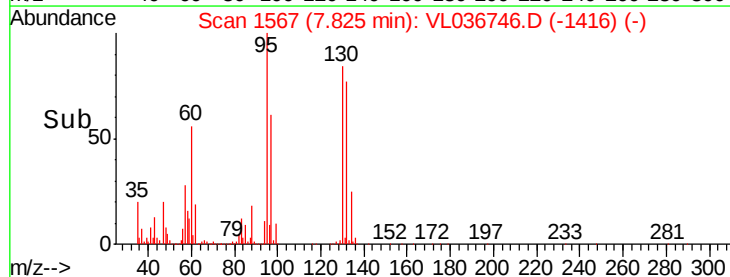
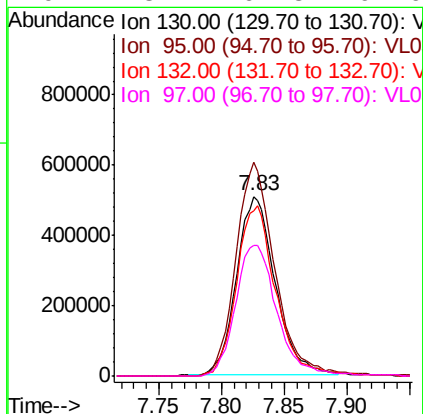
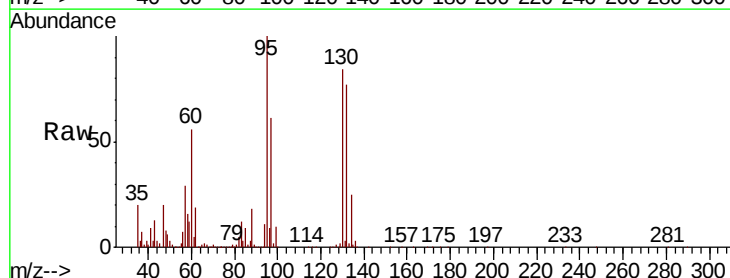
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

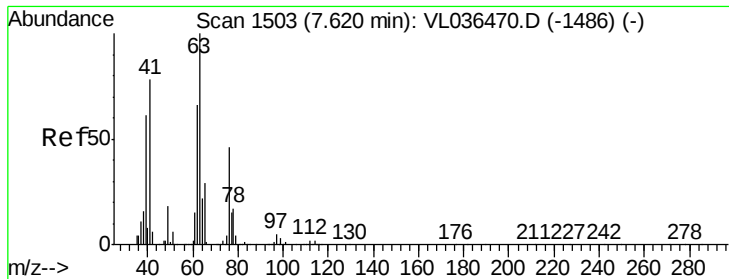
Tot Ion: 62 Resp: 1726100
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.9 7.3



#38
 Trichloroethene
 Concen: 9.556 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 130 Resp: 1091449
 Ion Ratio Lower Upper
 130 100
 95 119.6 95.7 143.5
 132 92.6 76.2 114.4
 97 73.4 61.8 92.6

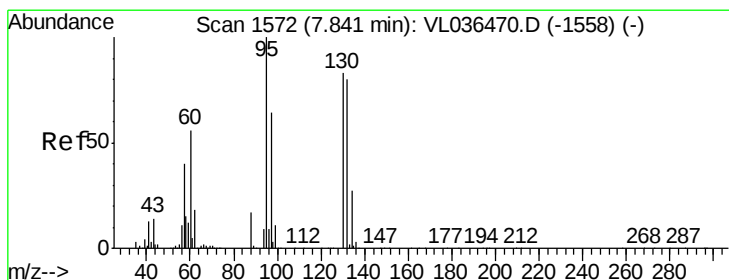
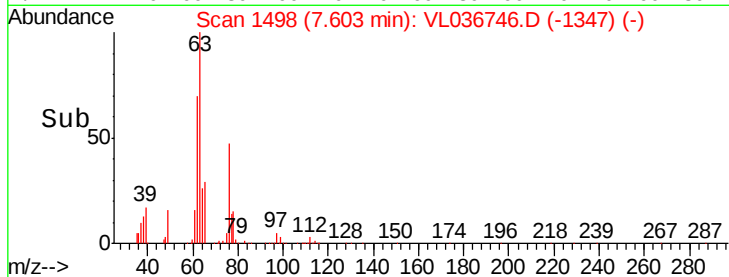
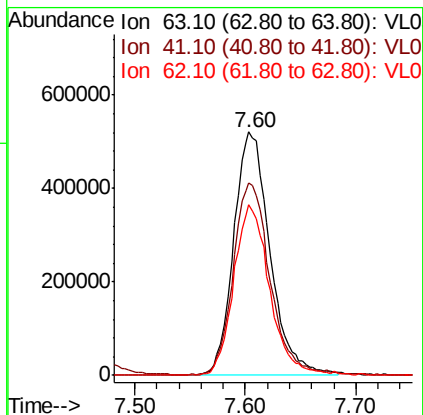
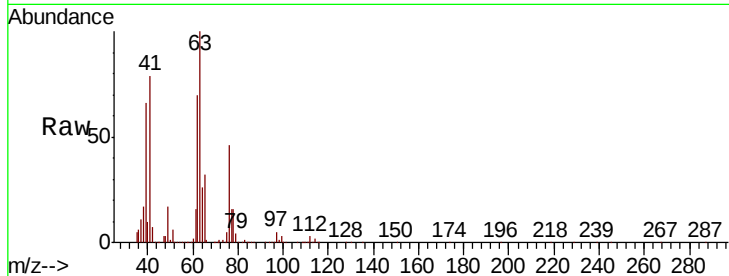




#39
 1,2-Dichloropropane
 Concen: 9.954 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

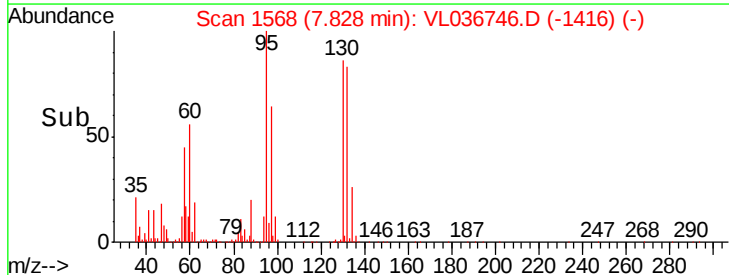
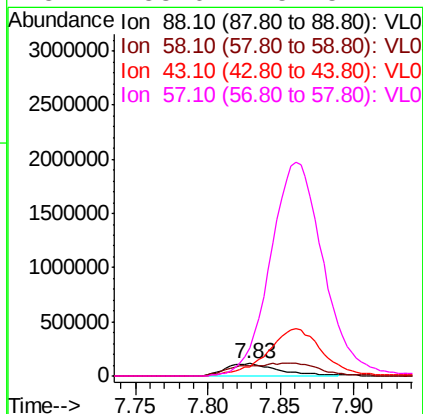
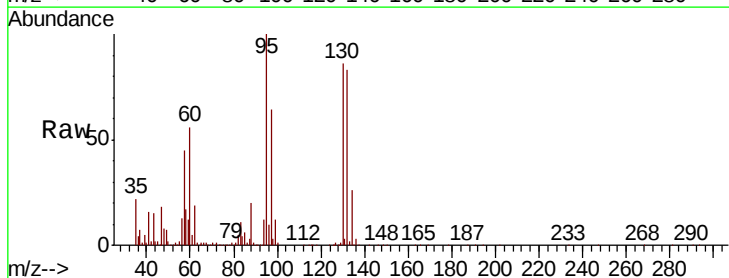
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

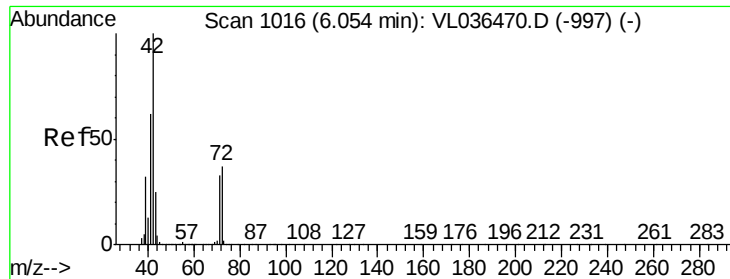
Tot Ion: 63 Resp: 1185029
 Ion Ratio Lower Upper
 63 100
 41 79.0 62.4 93.6
 62 69.9 52.8 79.2



#40
 1,4-Dioxane
 Concen: 10.438 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 88 Resp: 289214
 Ion Ratio Lower Upper
 88 100
 58 161.8 134.1 201.1
 43 402.2 346.6 520.0
 57 1753.6 1481.8 2222.8





#41

Tetrahydrofuran

Concen: 10.205 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

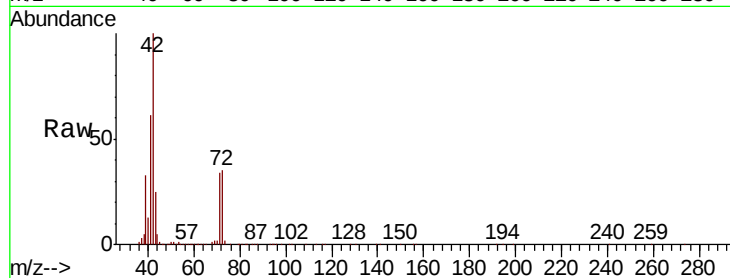
Tot Ion: 42 Resp: 730917

Ion Ratio Lower Upper

42 100

72 37.4 27.6 41.4

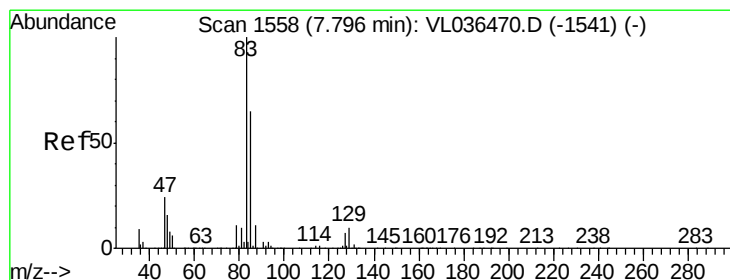
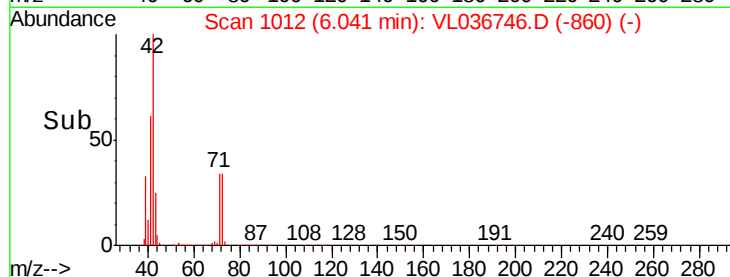
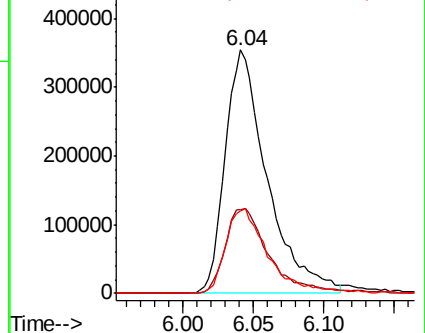
71 36.1 27.0 40.4



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: 10.389 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

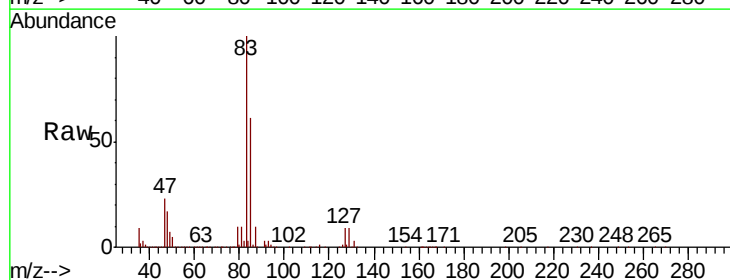
Tgt Ion: 83 Resp: 2441057

Ion Ratio Lower Upper

83 100

85 61.4 51.8 77.6

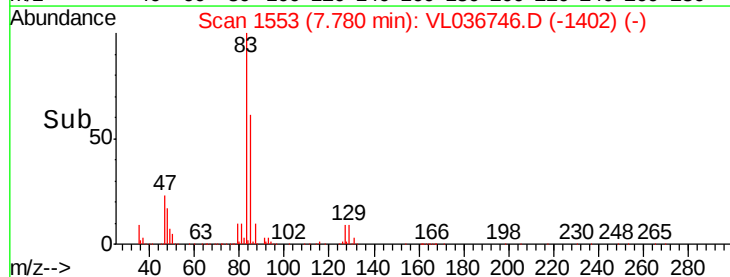
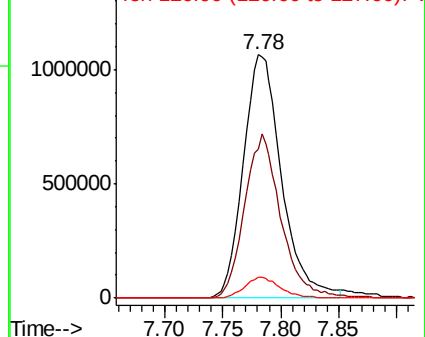
127 8.5 5.8 8.8

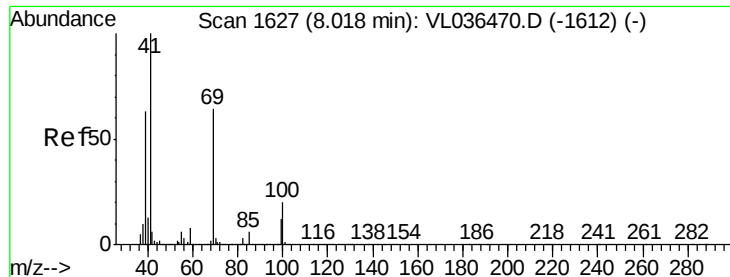


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

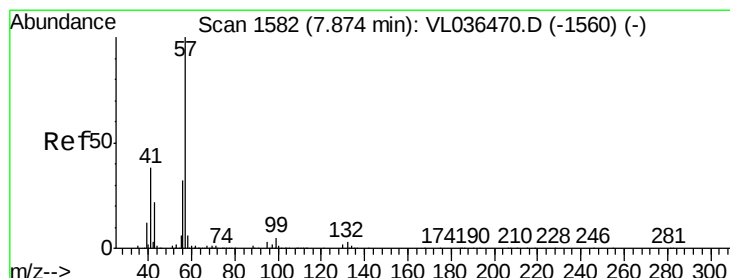
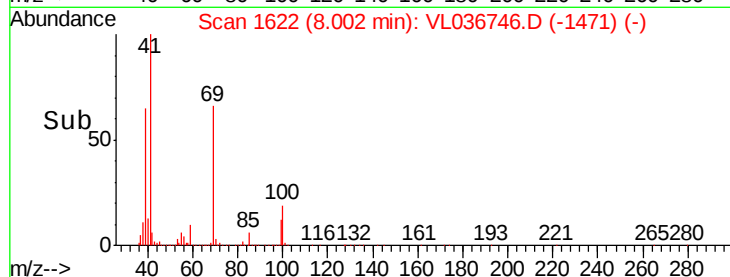
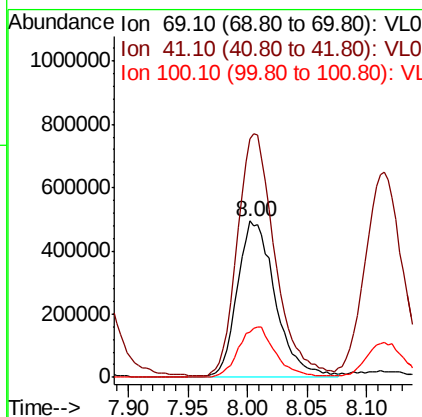
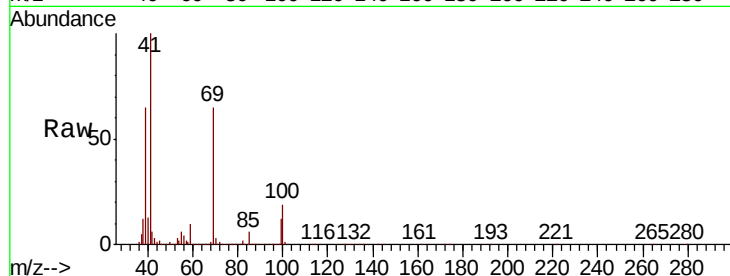




#43
Methvl Methacrylate
Concen: 11.087 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.02 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

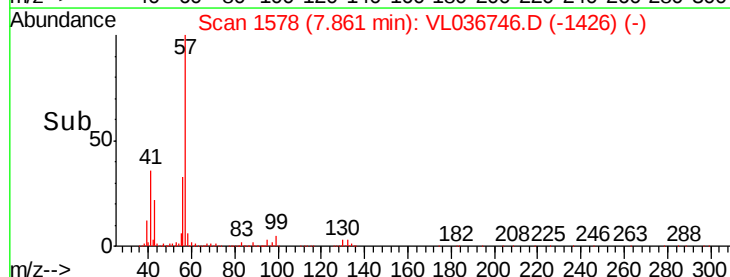
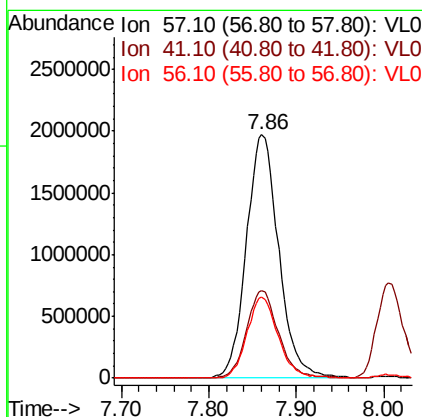
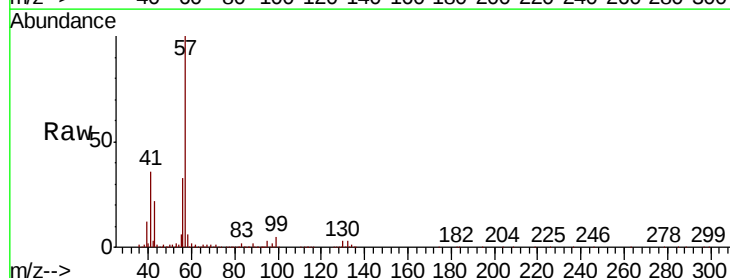
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

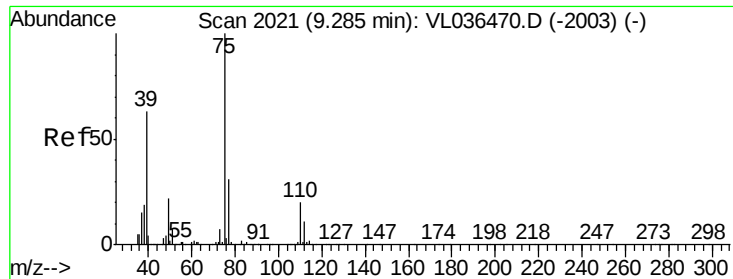
Tot Ion: 69 Resp: 1092667
Ion Ratio Lower Upper
69 100
41 154.4 126.8 190.2
100 31.5 24.9 37.3



#44
2,2,4-Trimethylpentane
Concen: 9.791 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion: 57 Resp: 5057697
Ion Ratio Lower Upper
57 100
41 35.3 28.8 43.2
56 32.2 26.1 39.1

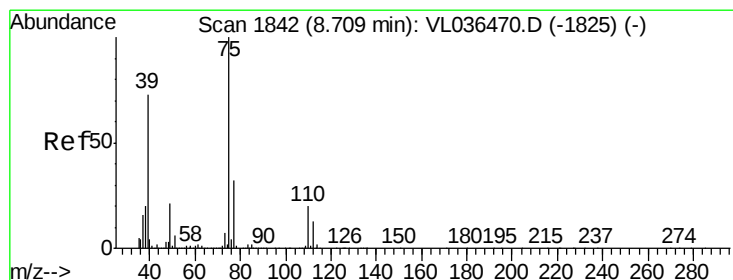
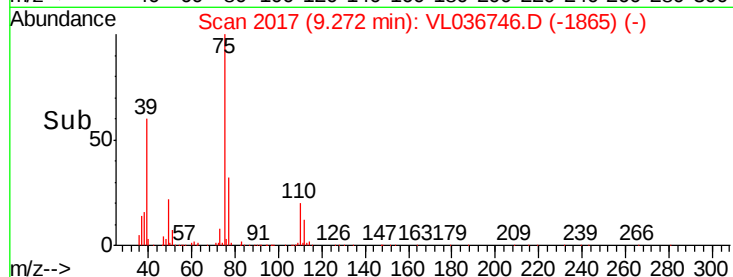
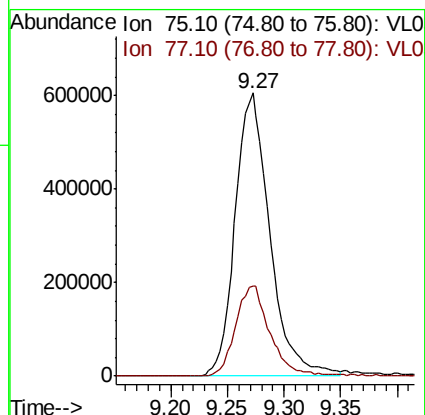
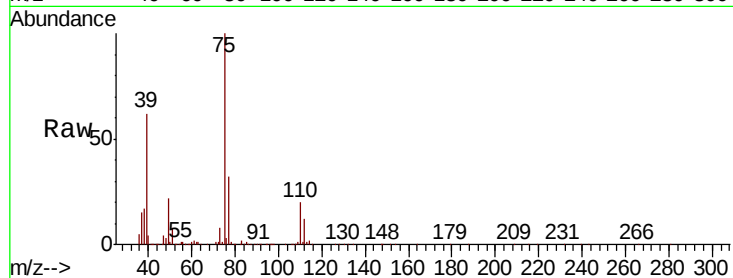




#45
 t-1,3-Dichloropropene
 Concen: 11.496 ppbv
 RT: 9.27 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

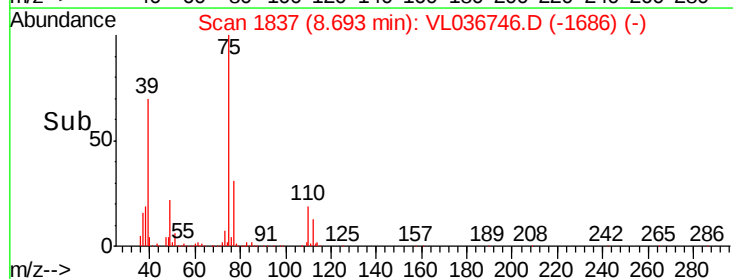
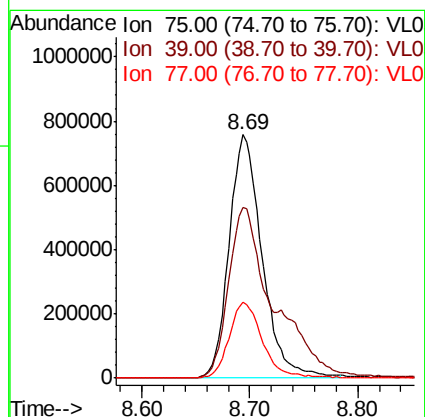
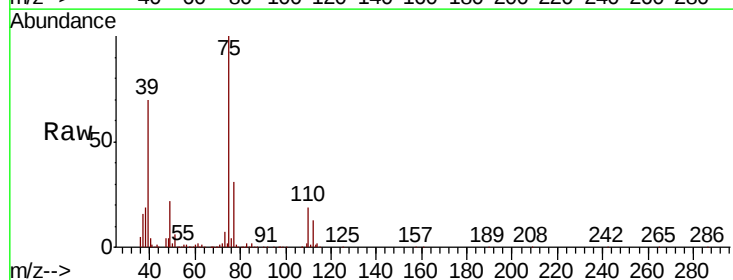
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

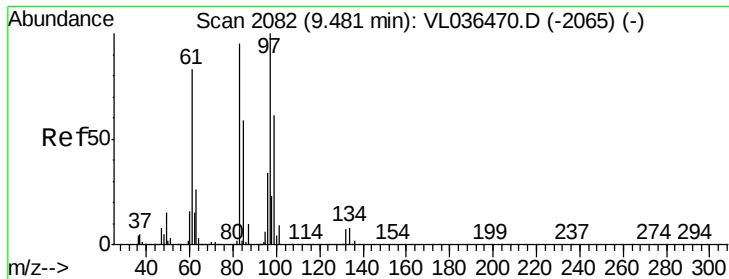
Tot Ion: 75 Resp: 1293741
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.1 37.7



#46
 cis-1,3-Dichloropropene
 Concen: 11.214 ppbv
 RT: 8.69 min Scan# 1837
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 75 Resp: 1613110
 Ion Ratio Lower Upper
 75 100
 39 70.1 58.2 87.2
 77 31.0 25.2 37.8

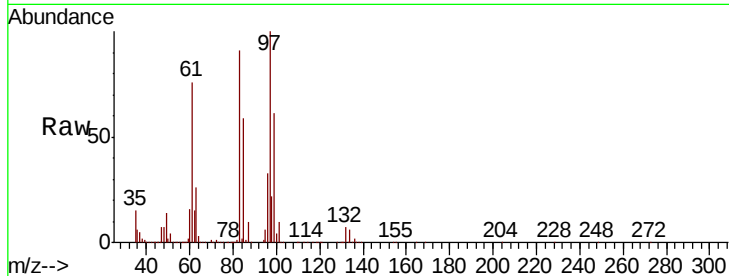




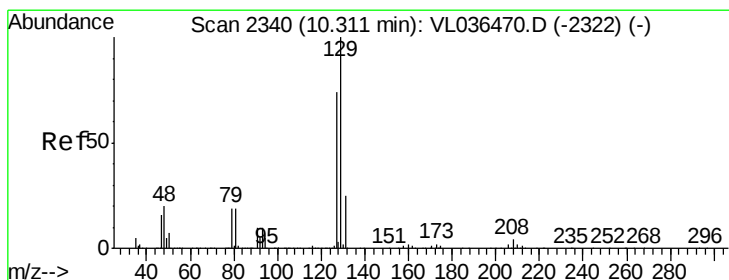
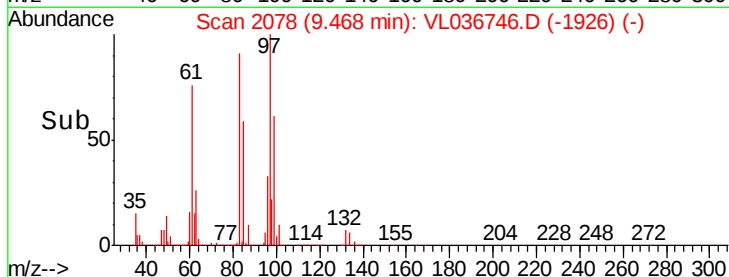
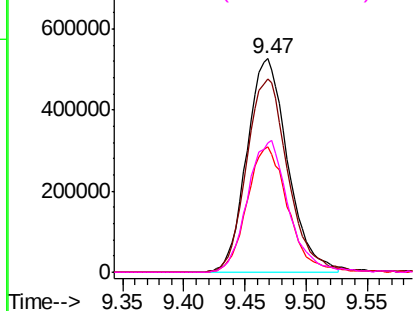
#47
 1,1,2-Trichloroethane
 Concen: 10.112 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	97	Resp:	1219407
Ion	Ratio	Lower	Upper
97	100		
83	90.7	75.8	113.8
85	58.7	47.1	70.7
99	60.8	49.2	73.8

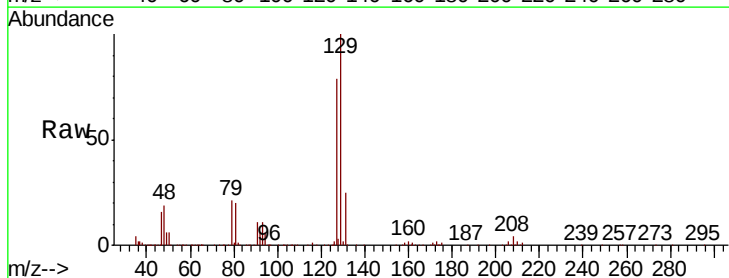


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

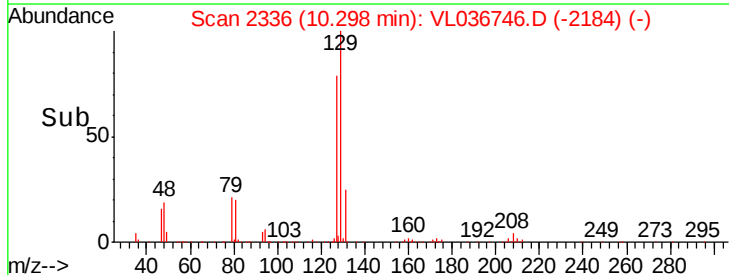
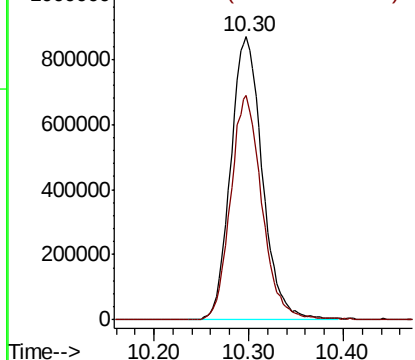


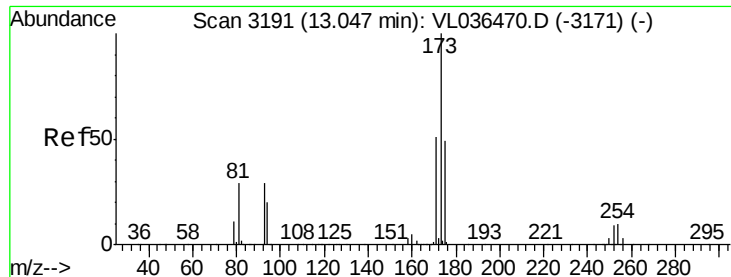
#48
 Dibromochloromethane
 Concen: 11.014 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion:	129	Resp:	2024674
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.6	118.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.232 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

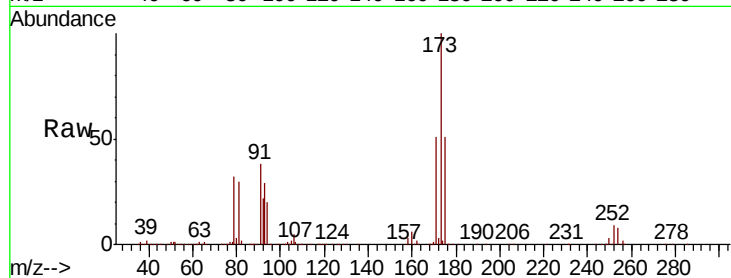
Tot Ion:173 Resp: 1663683

Ion Ratio Lower Upper

173 100

175 50.1 39.6 59.4

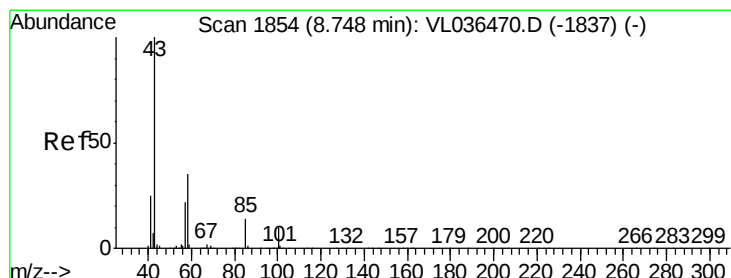
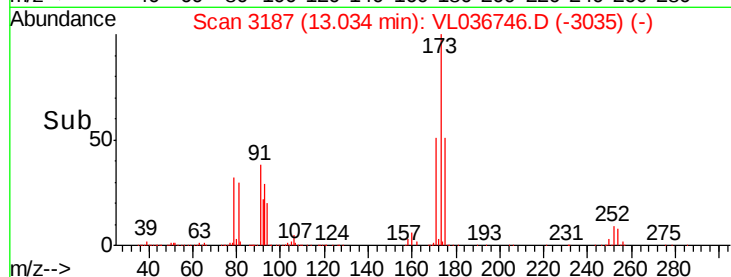
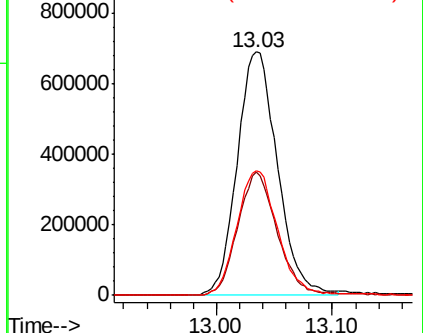
171 52.5 41.4 62.0



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: 10.398 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL036746.D

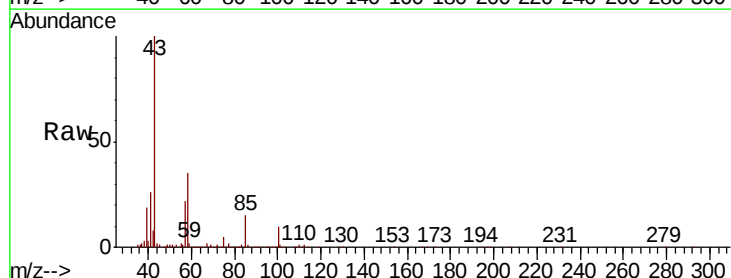
Acq: 8 Apr 2021 10:33

Tgt Ion: 43 Resp: 2337214

Ion Ratio Lower Upper

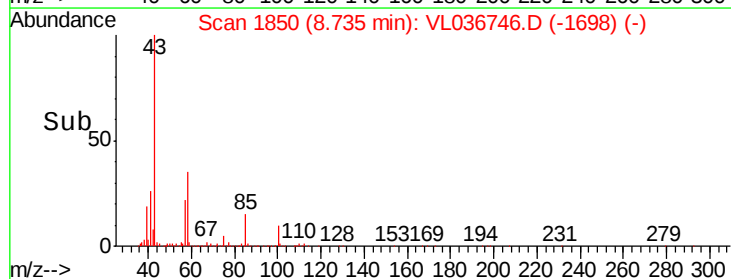
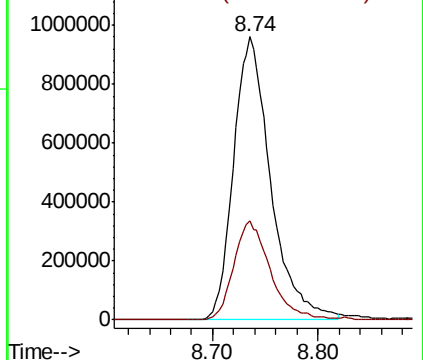
43 100

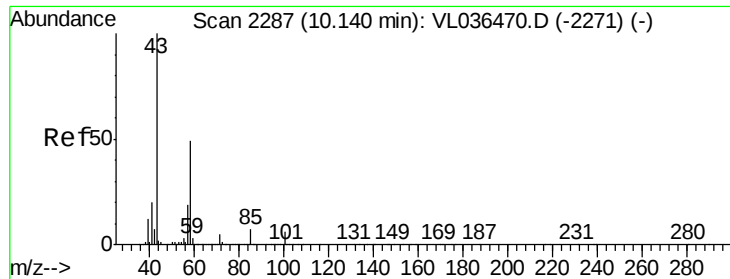
58 34.9 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

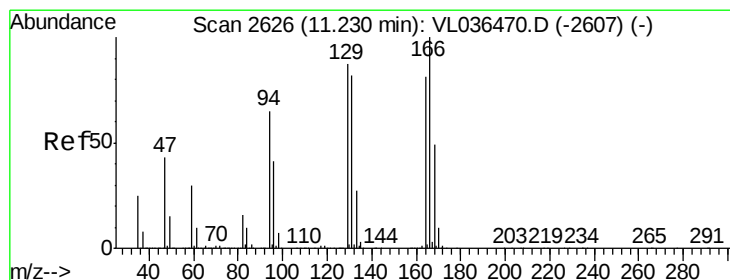
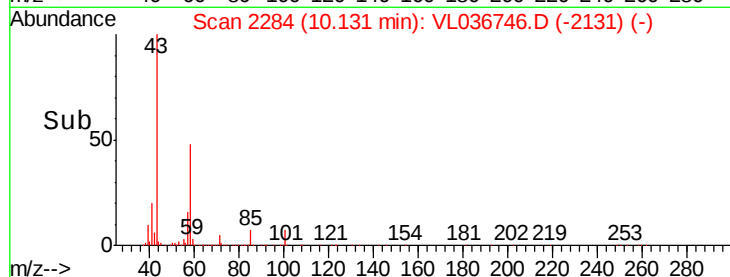
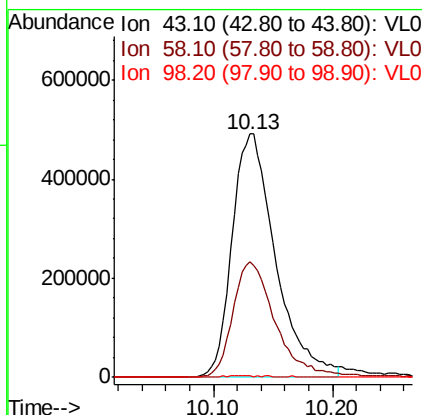
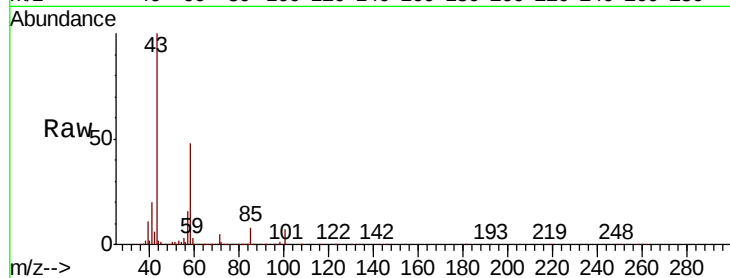




#51
2-Hexanone
Concen: 10.928 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

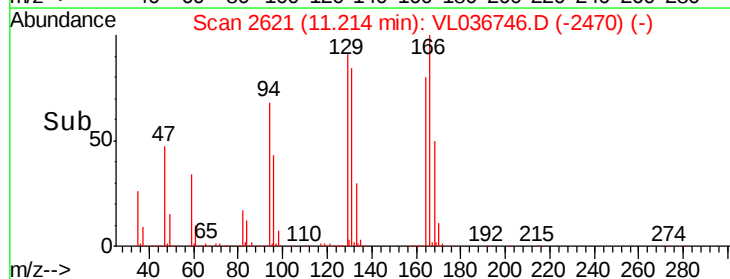
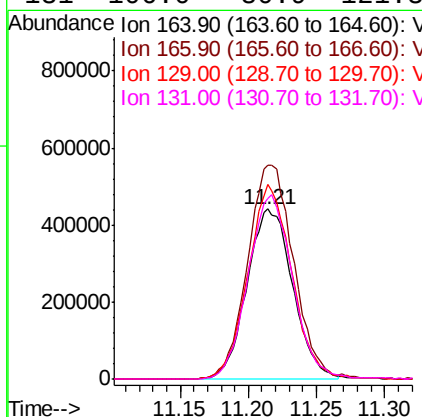
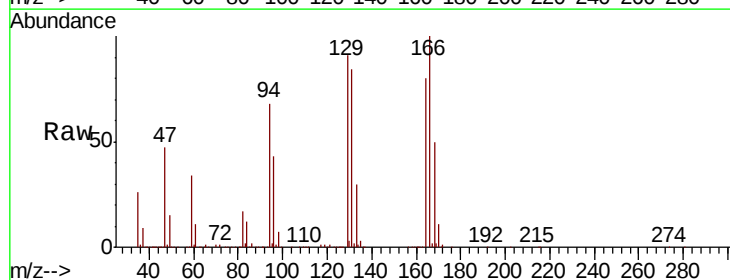
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

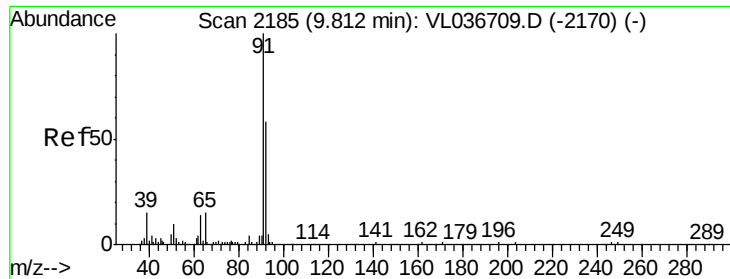
Tot Ion: 43 Resp: 1239552
Ion Ratio Lower Upper
43 100
58 47.4 37.7 56.5
98 0.9 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.479 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion: 164 Resp: 1024383
Ion Ratio Lower Upper
164 100
166 125.6 98.3 147.5
129 114.3 85.8 128.8
131 106.0 80.9 121.3





#53

Toluene

Concen: 10.778 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

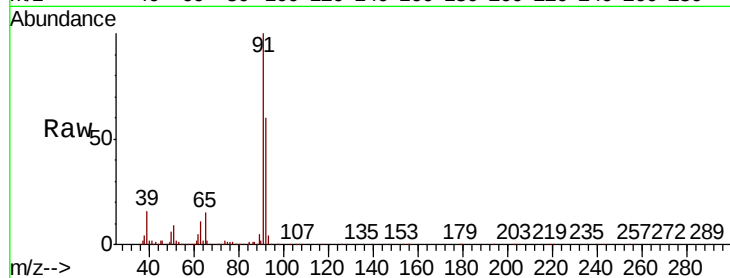
VSTDCCC010

Tot Ion: 91 Resp: 3368533

Ion Ratio Lower Upper

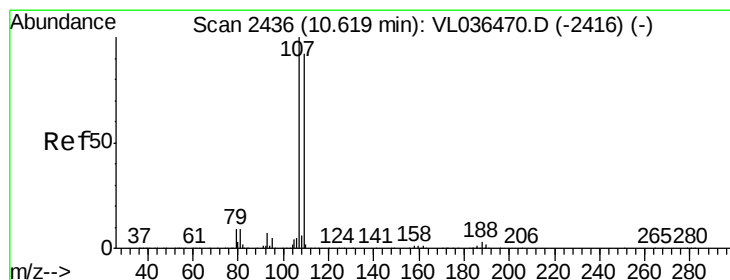
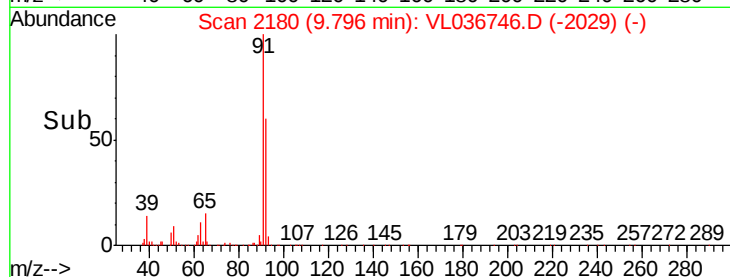
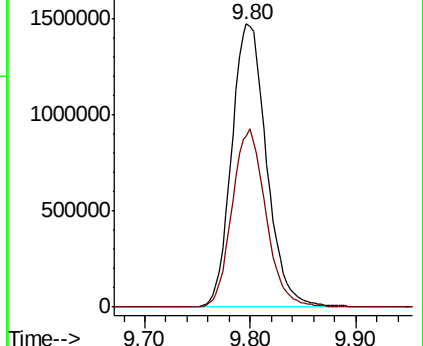
91 100

92 61.3 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.324 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL036746.D

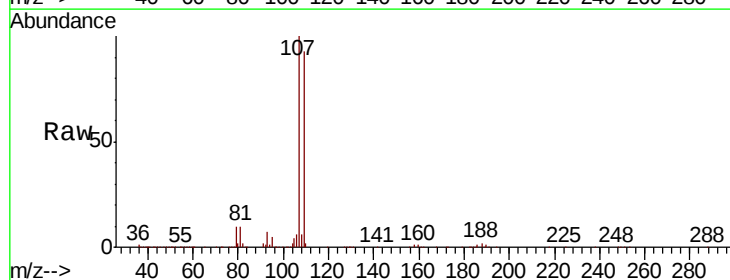
Acq: 8 Apr 2021 10:33

Tgt Ion: 107 Resp: 1758186

Ion Ratio Lower Upper

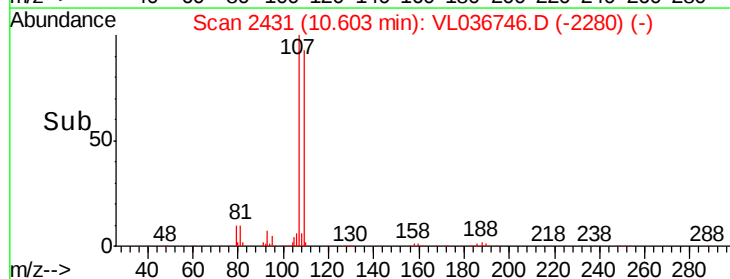
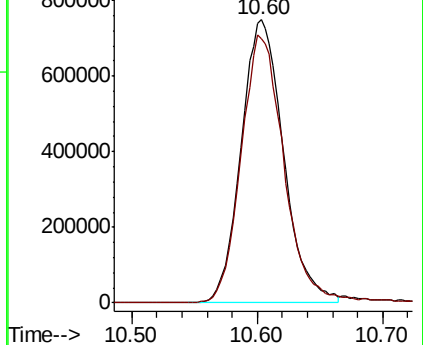
107 100

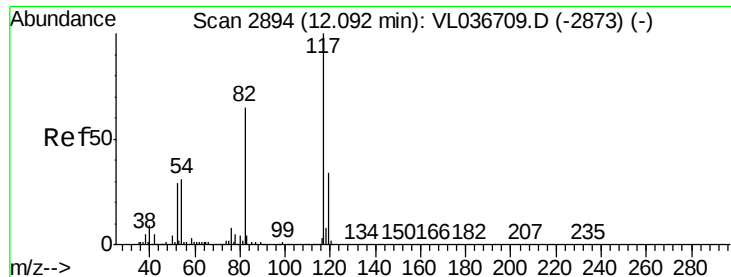
109 93.5 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

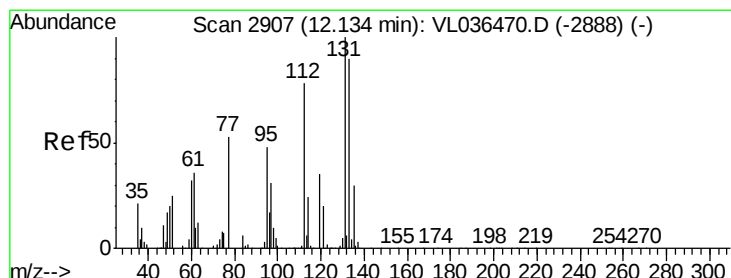
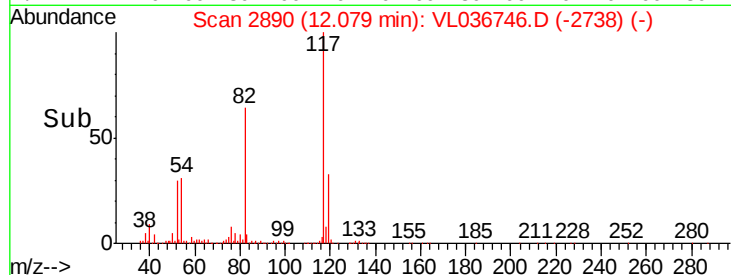
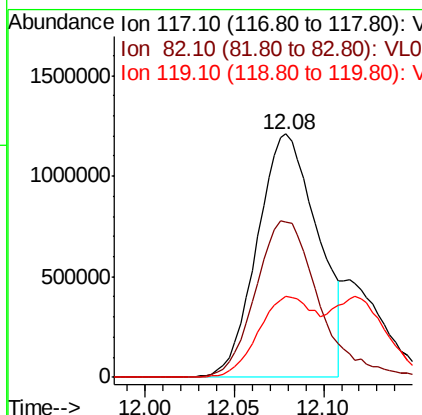
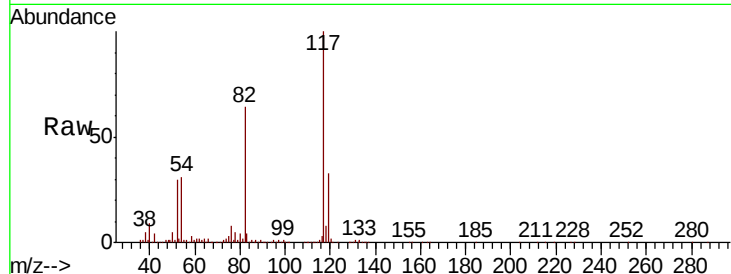




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

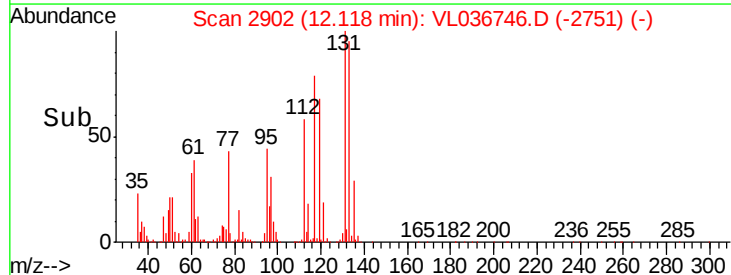
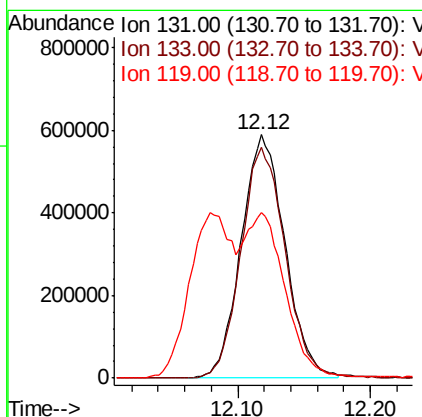
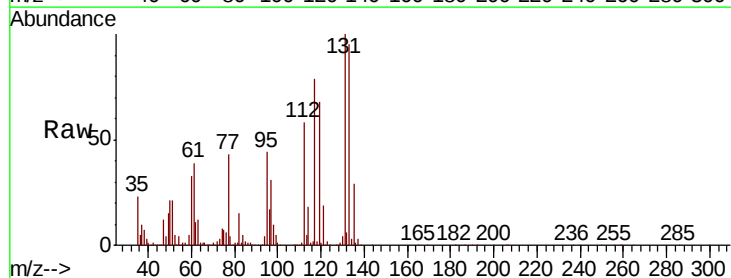
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

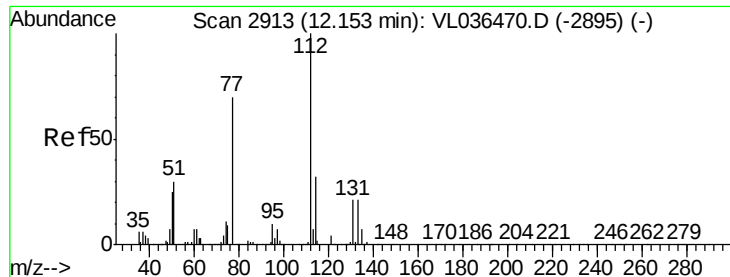
Tot Ion:117 Resp: 2858756
Ion Ratio Lower Upper
117 100
82 68.6 57.4 86.0
119 33.0 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 10.468 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion:131 Resp: 1353533
Ion Ratio Lower Upper
131 100
133 96.1 75.8 113.6
119 69.0 48.7 73.1





#57

Chlorobenzene

Concen: 10.292 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

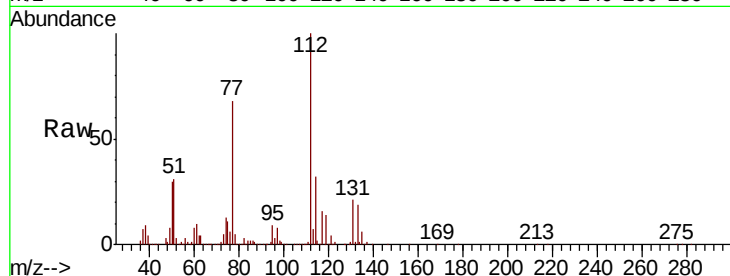
Tot Ion:112 Resp: 2503554

Ion Ratio Lower Upper

112 100

77 66.9 56.0 84.0

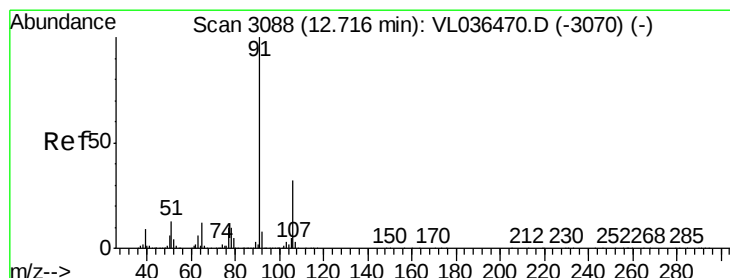
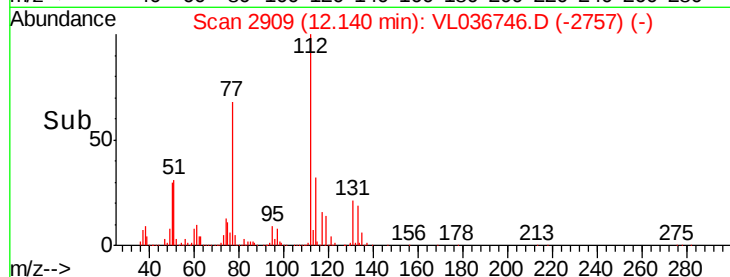
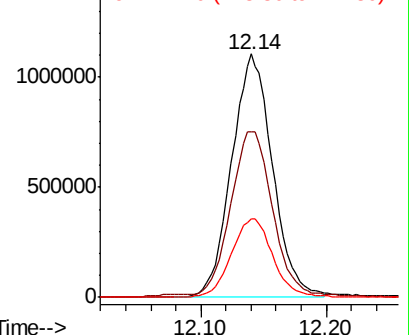
114 32.1 29.0 35.4



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: 10.937 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. -0.01 min

Lab File: VL036746.D

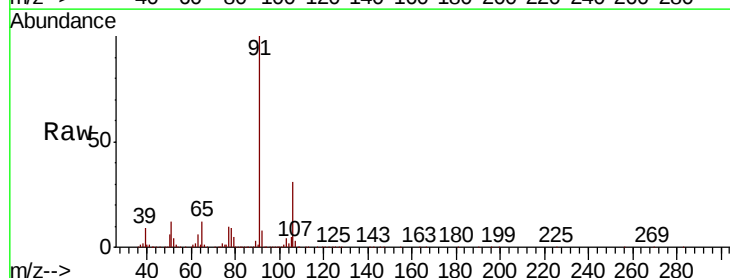
Acq: 8 Apr 2021 10:33

Tgt Ion: 91 Resp: 4548856

Ion Ratio Lower Upper

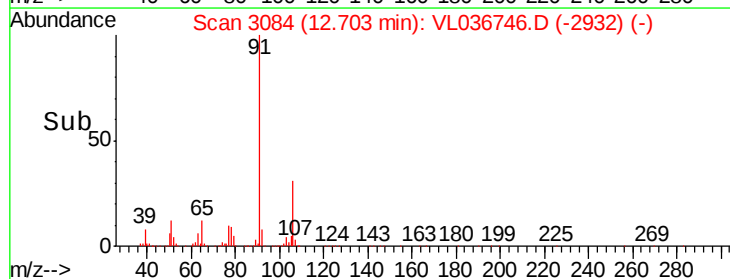
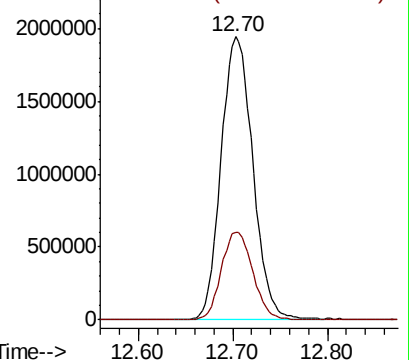
91 100

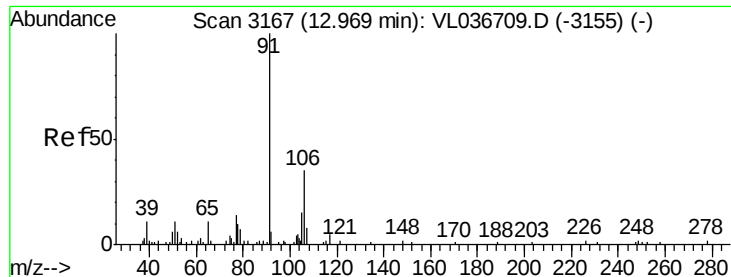
106 31.0 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 11.072 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

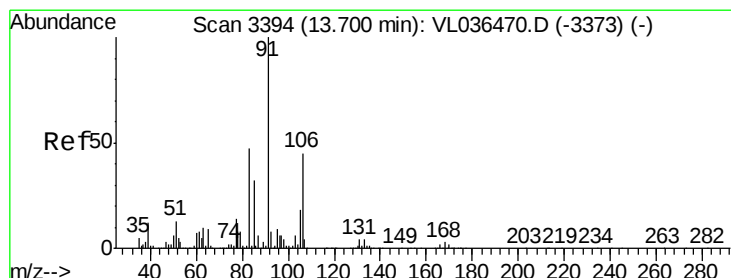
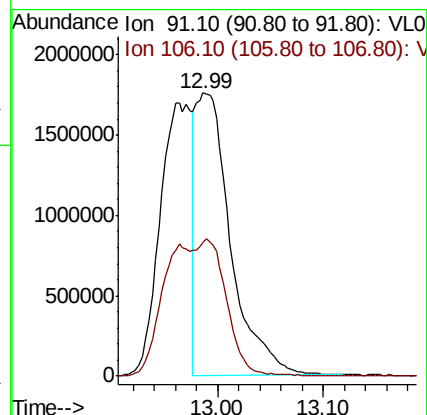
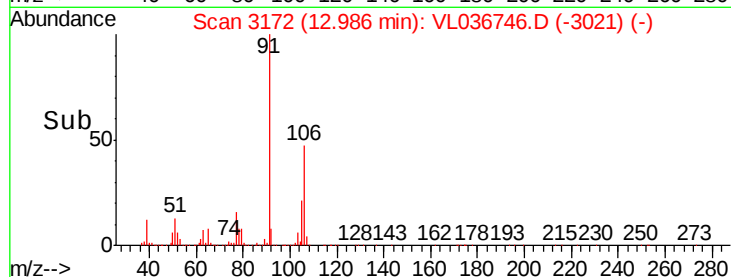
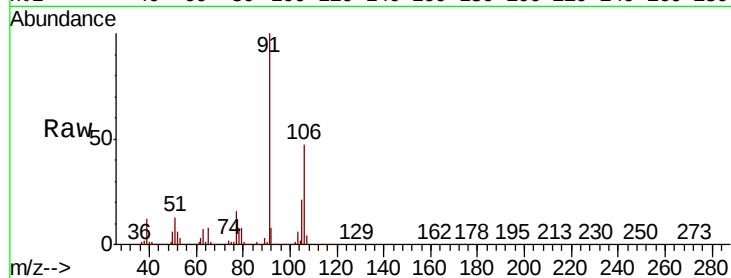
VSTDCCC010

Tot Ion: 91 Resp: 4016600

Ion Ratio Lower Upper

91 100

106 84.8 35.3 52.9#



#60

o-Xylene

Concen: 10.271 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VL036746.D

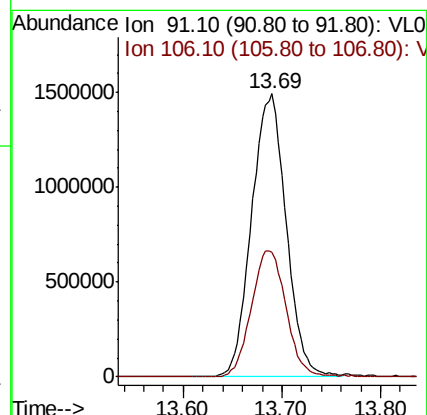
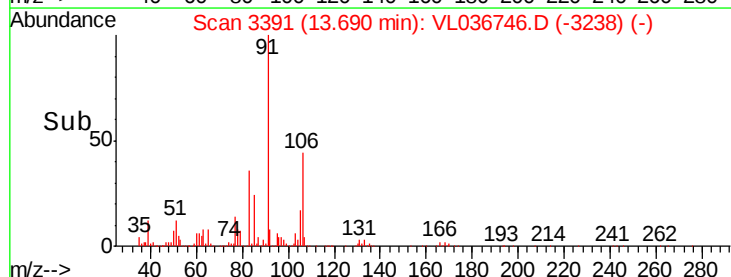
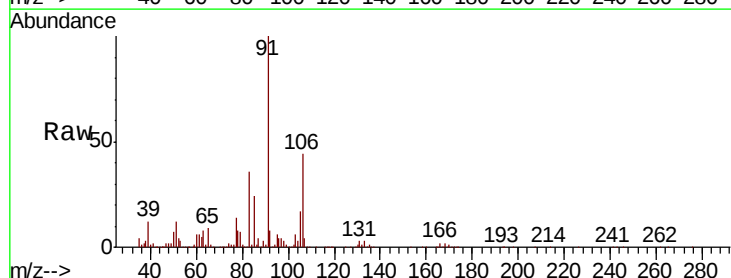
Acq: 8 Apr 2021 10:33

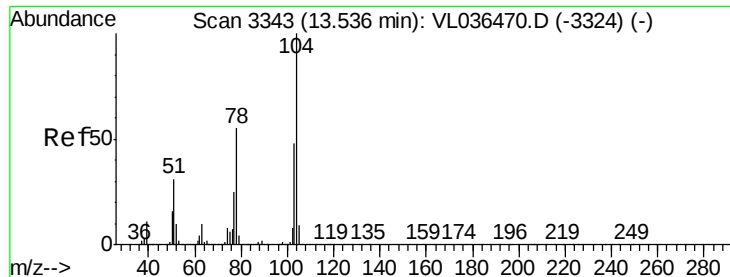
Tgt Ion: 91 Resp: 3602613

Ion Ratio Lower Upper

91 100

106 45.2 22.3 66.9

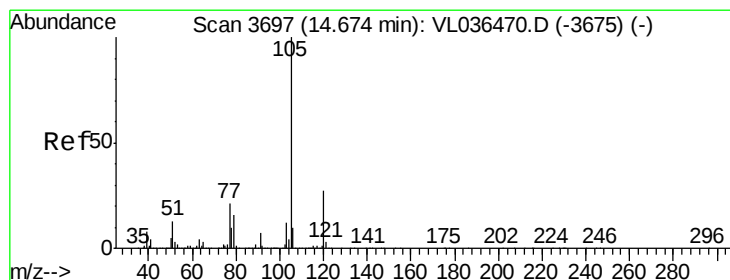
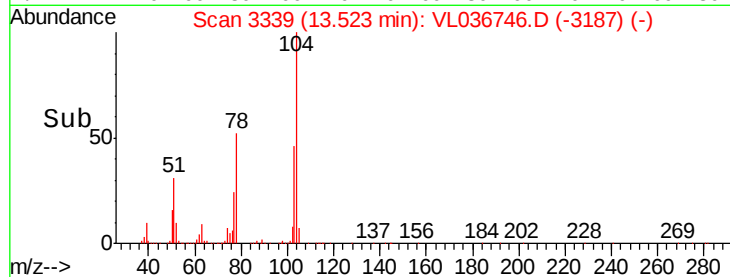
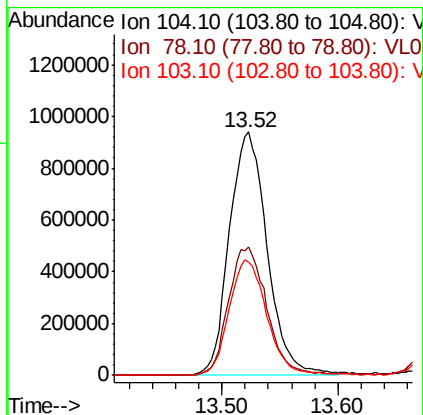
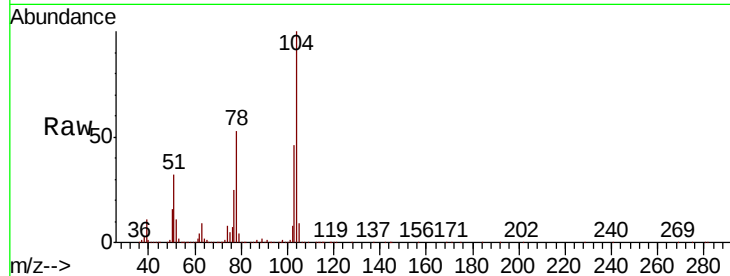




#61
Stvrene
Concen: 12.006 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

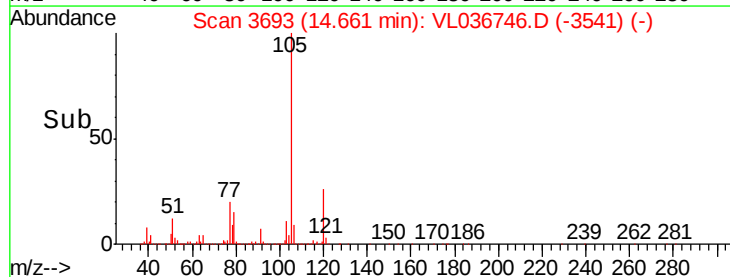
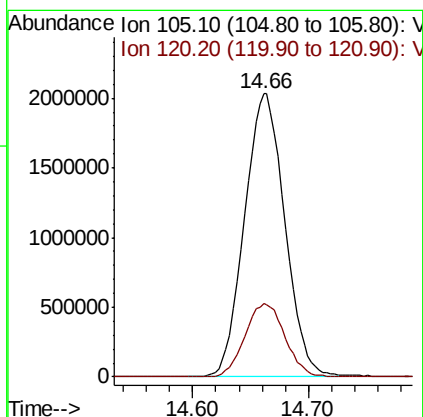
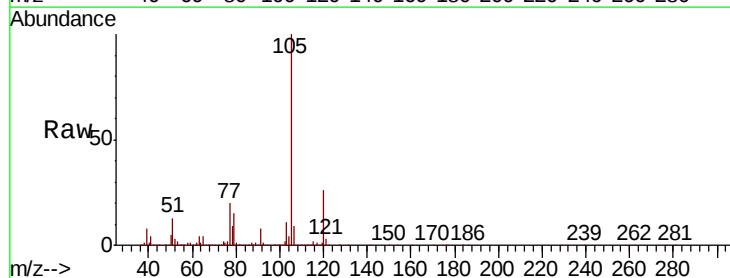
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

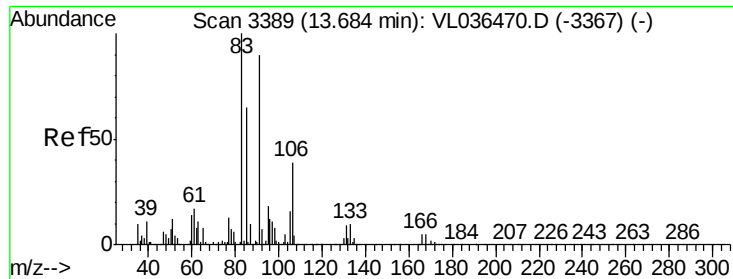
Tot Ion:104 Resp: 2118656
Ion Ratio Lower Upper
104 100
78 53.9 43.8 65.8
103 47.6 38.3 57.5



#62
Isopropylbenzene
Concen: 10.387 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion:105 Resp: 4906266
Ion Ratio Lower Upper
105 100
120 25.9 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 9.751 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

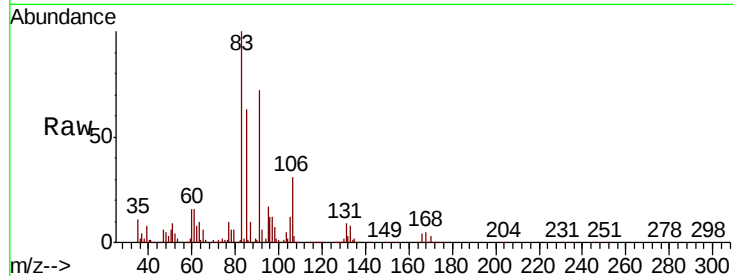
Tot Ion: 83 Resp: 2609033

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.0

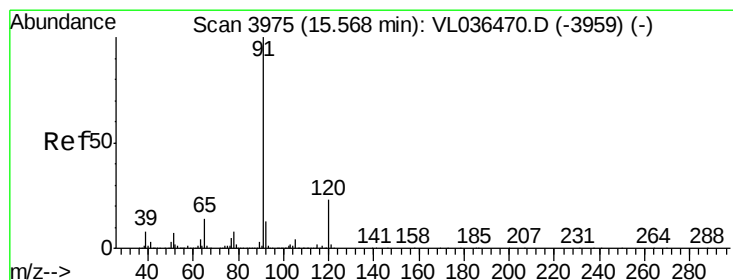
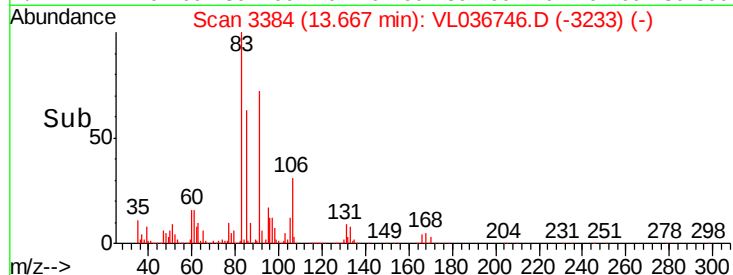
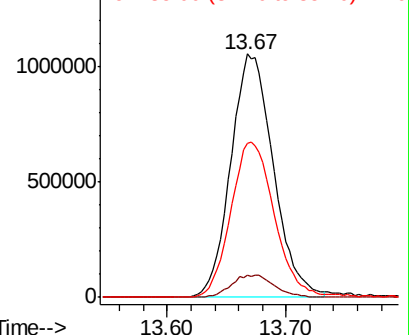
85 66.1 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 11.326 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. -0.01 min

Lab File: VL036746.D

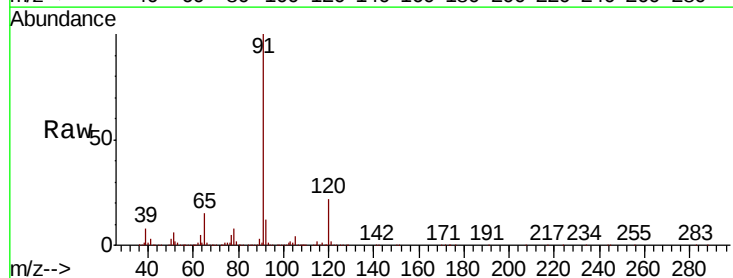
Acq: 8 Apr 2021 10:33

Tgt Ion: 120 Resp: 1308015

Ion Ratio Lower Upper

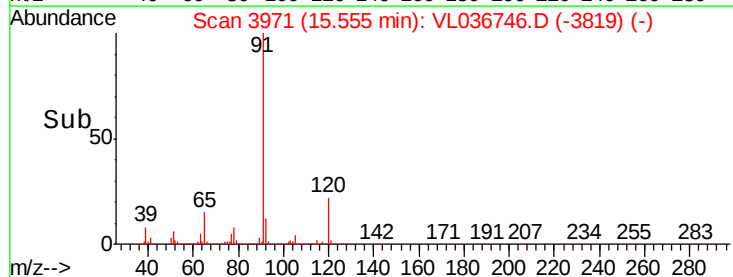
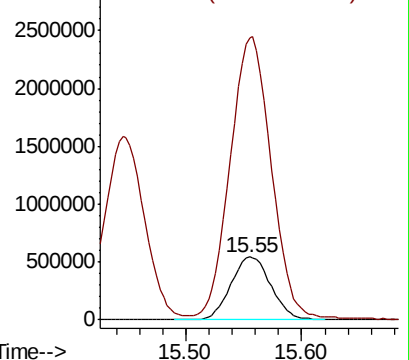
120 100

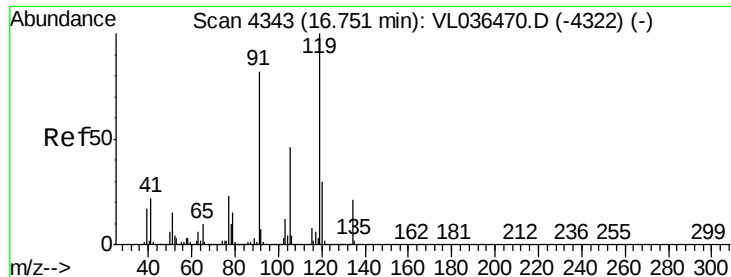
91 463.6 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.515 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

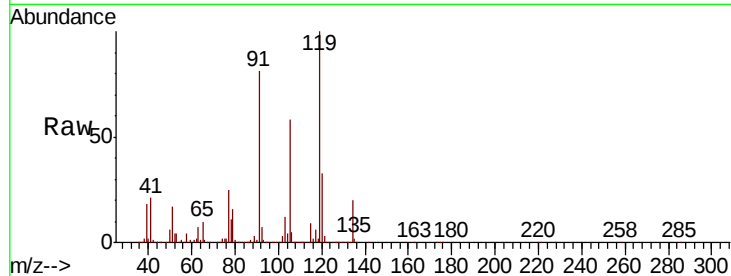
Tot Ion:119 Resp: 4307063

Ion Ratio Lower Upper

119 100

91 84.1 67.5 101.3

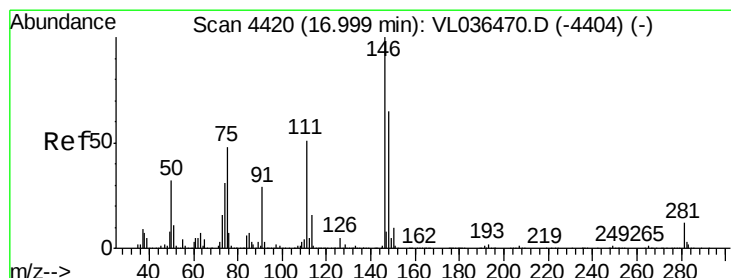
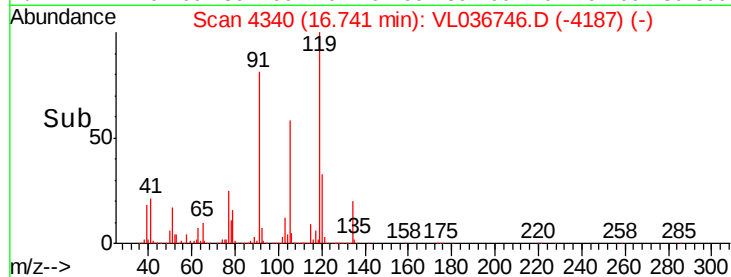
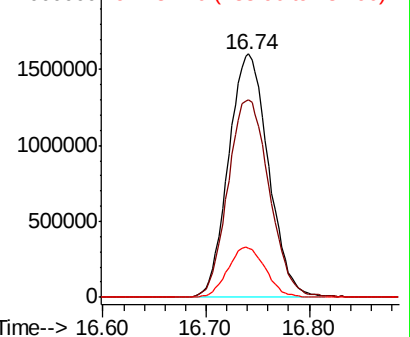
134 19.6 15.8 23.8



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: 12.349 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

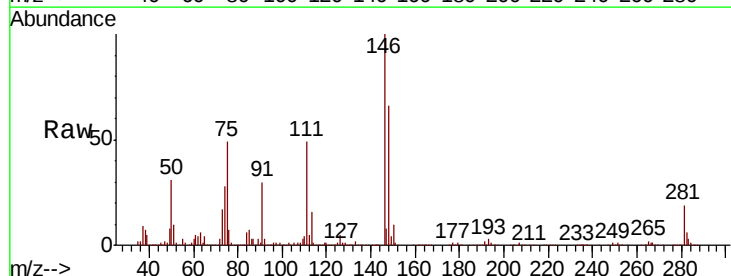
Tgt Ion: 91 Resp: 559078

Ion Ratio Lower Upper

91 100

126 16.9 13.5 20.3

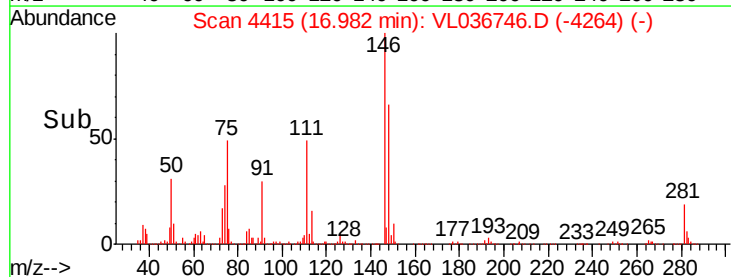
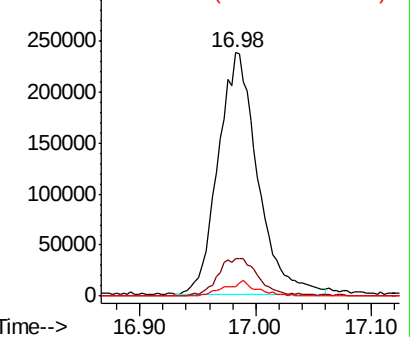
128 5.4 4.2 6.4

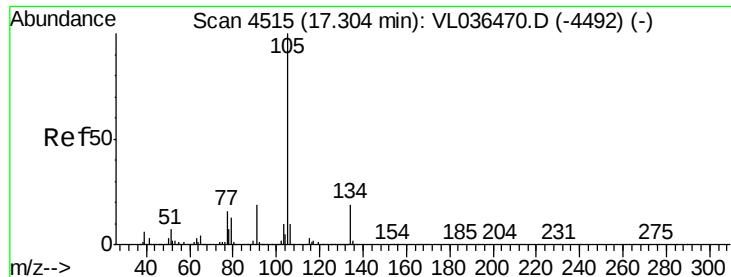


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.453 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

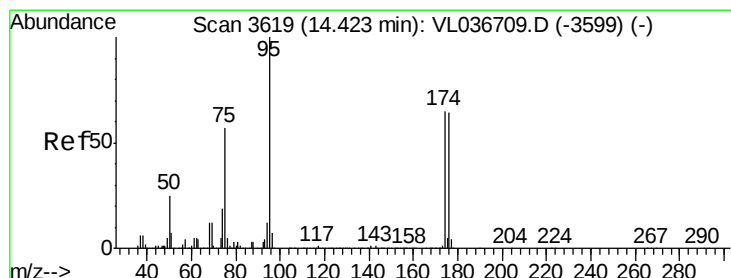
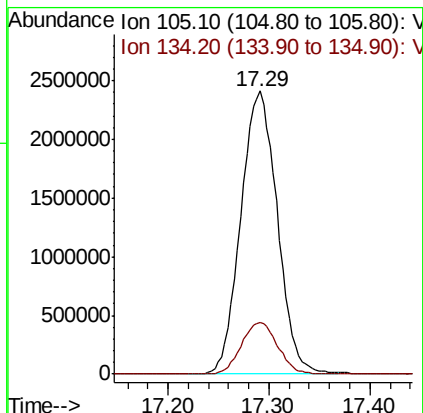
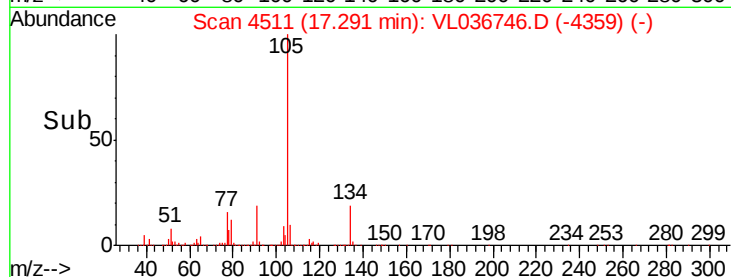
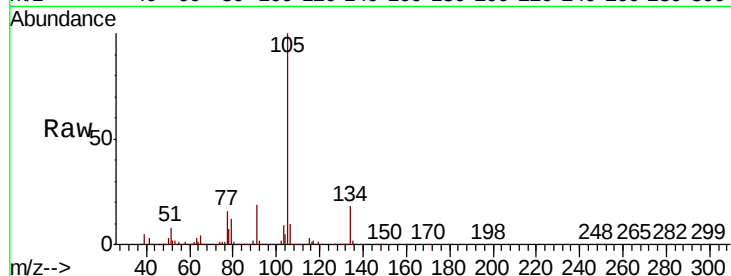
VSTDCCC010

Tot Ion:105 Resp: 6043538

Ion Ratio Lower Upper

105 100

134 18.3 14.7 22.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.149 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

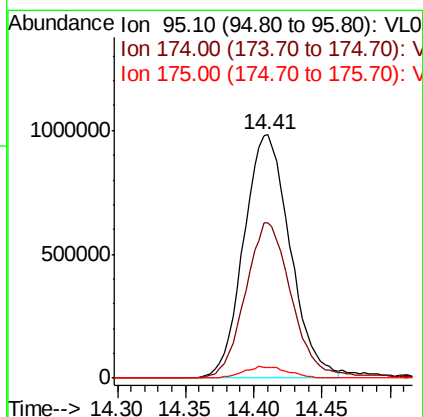
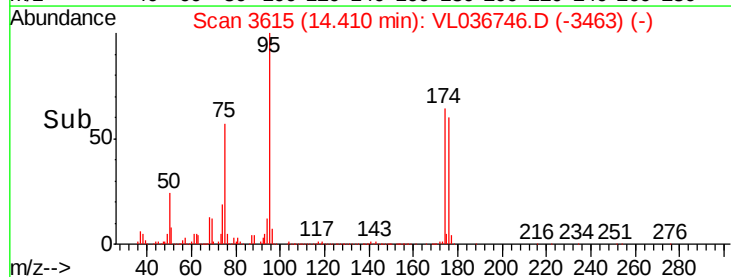
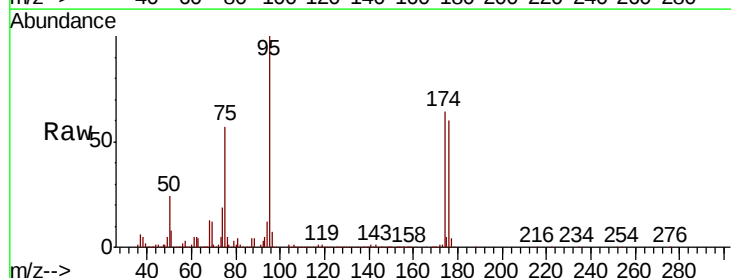
Tgt Ion: 95 Resp: 2312511

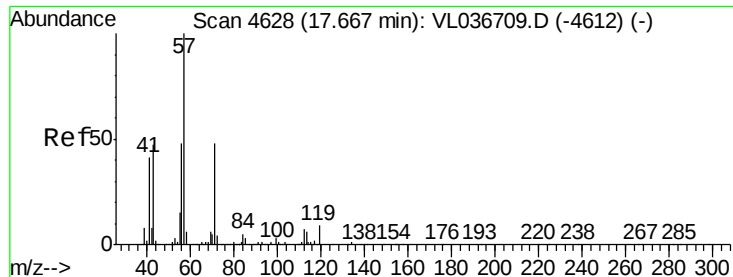
Ion Ratio Lower Upper

95 100

174 65.3 51.0 76.6

175 4.7 3.9 5.9





#69

p-Isopropyltoluene

Concen: 11.086 ppbv

RT: 17.65 min Scan# 4623

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

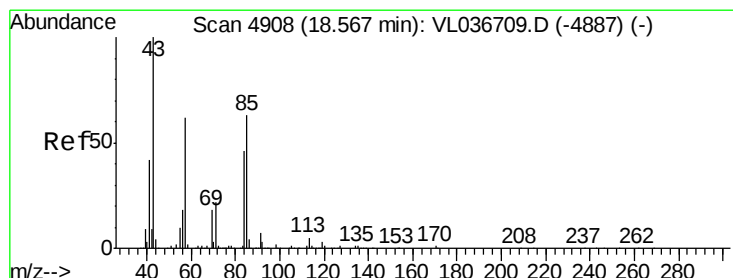
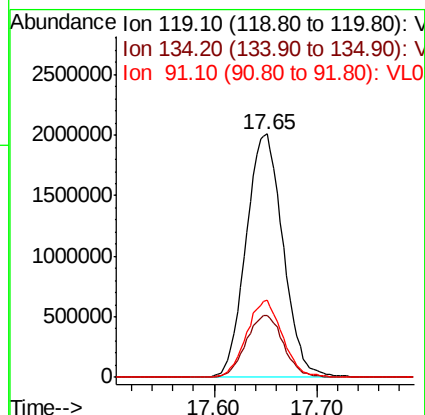
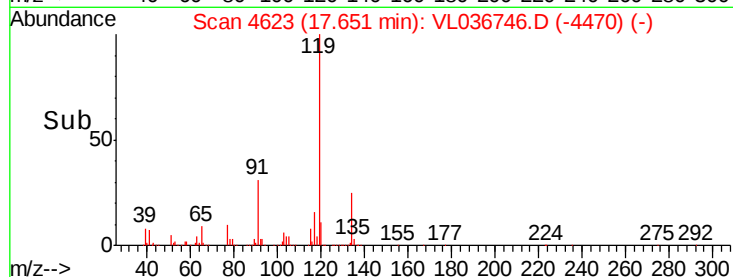
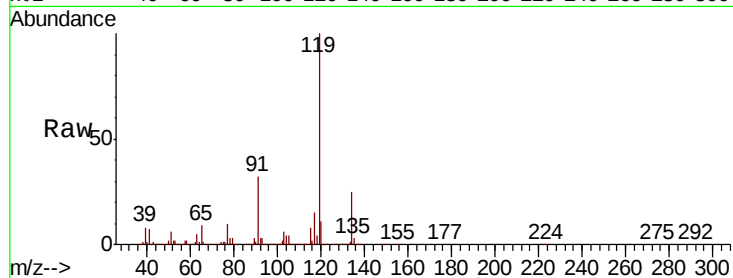
Tot Ion:119 Resp: 5005330

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

91 30.7 25.0 37.6



#70

n-Butylbenzene

Concen: 11.002 ppbv

RT: 18.55 min Scan# 4902

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

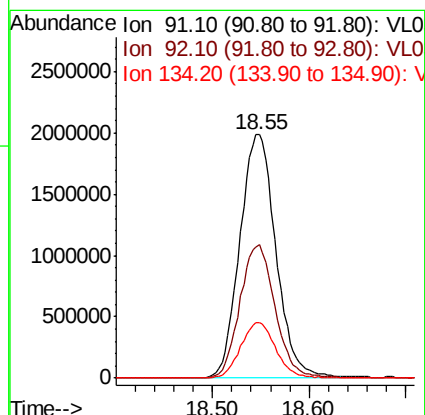
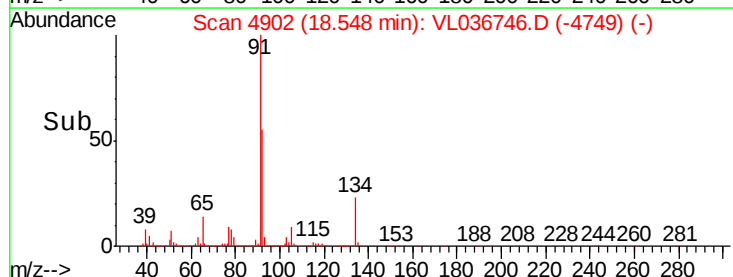
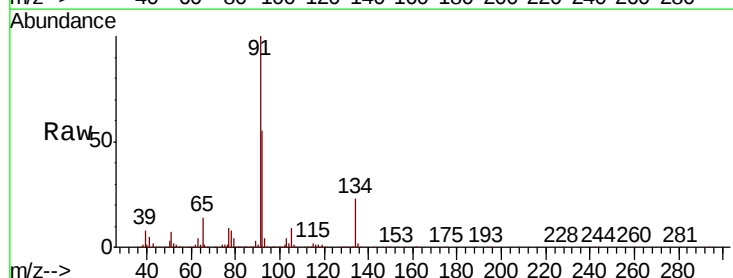
Tgt Ion: 91 Resp: 5150157

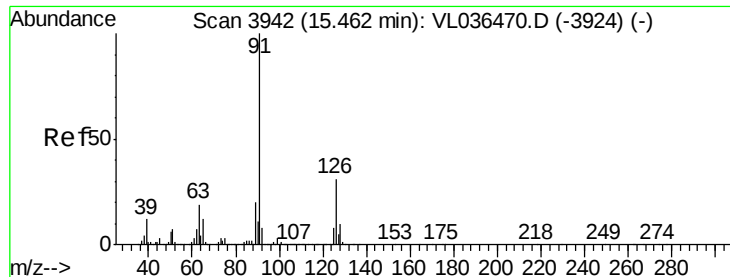
Ion Ratio Lower Upper

91 100

92 53.8 43.8 65.8

134 22.3 18.0 27.0





#71

2-Chlorotoluene

Concen: 10.726 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

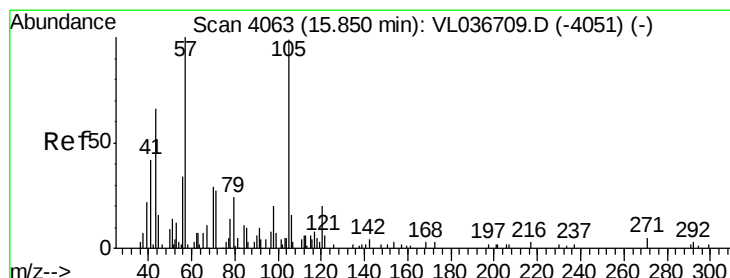
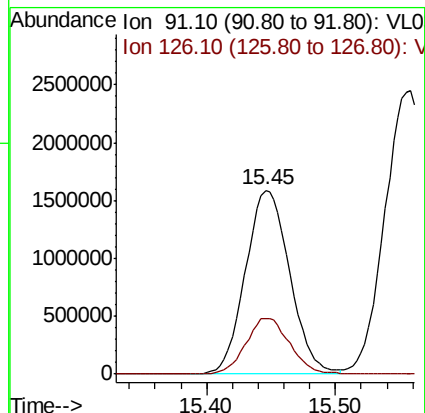
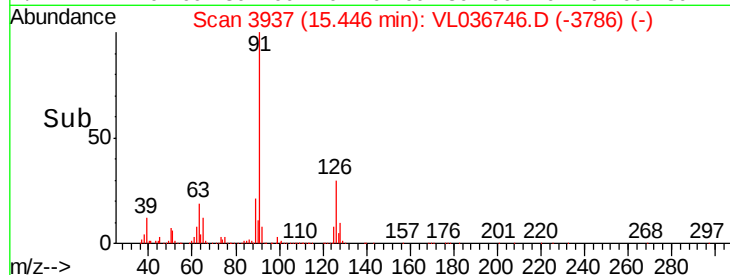
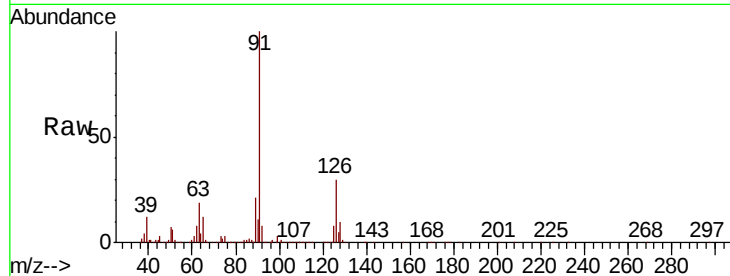
VSTDCCC010

Tot Ion: 91 Resp: 3796323

Ion Ratio Lower Upper

91 100

126 30.5 12.1 48.5



#72

4-Ethyltoluene

Concen: 11.137 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion:105 Resp: 4280512

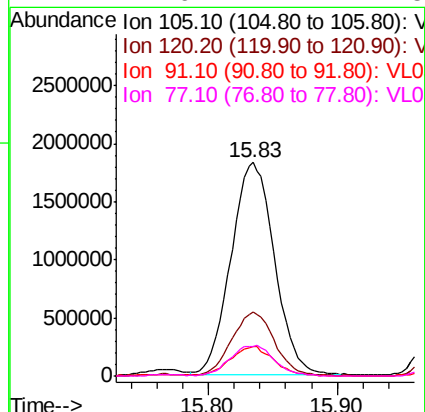
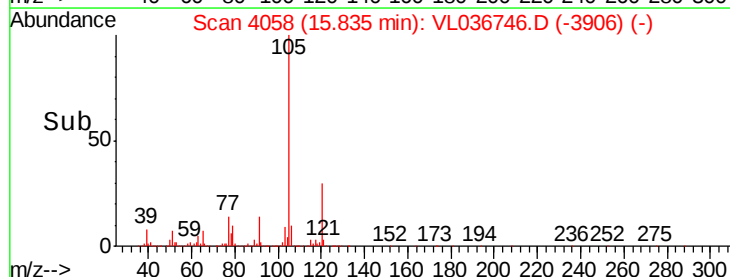
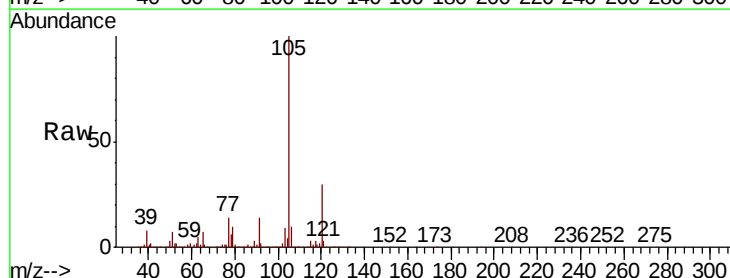
Ion Ratio Lower Upper

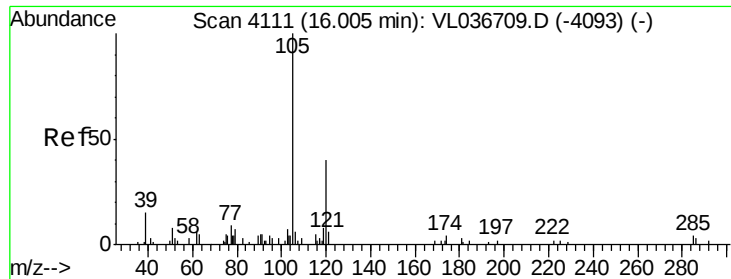
105 100

120 29.8 24.0 36.0

91 13.6 11.0 16.4

77 14.6 11.7 17.5

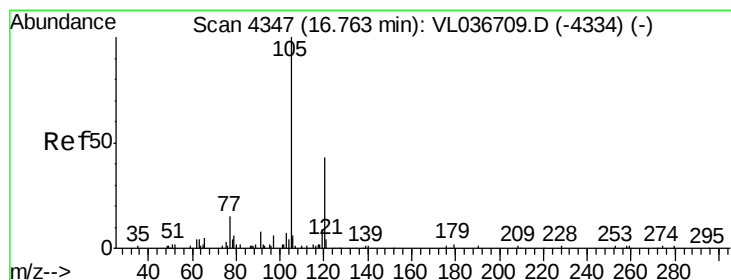
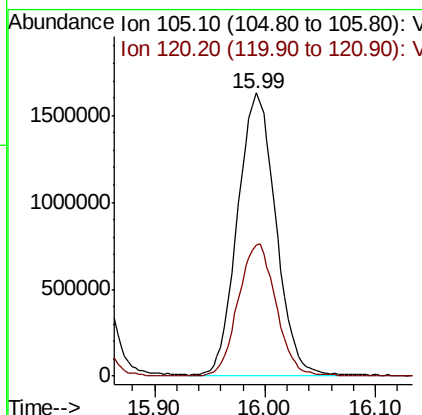
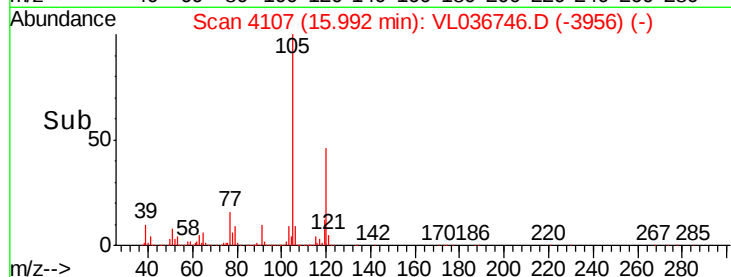
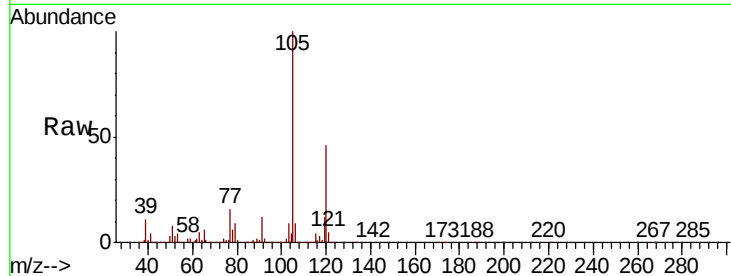




#73
 1,3,5-Trimethylbenzene
 Concen: 10.823 ppbv
 RT: 15.99 min Scan# 4107
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

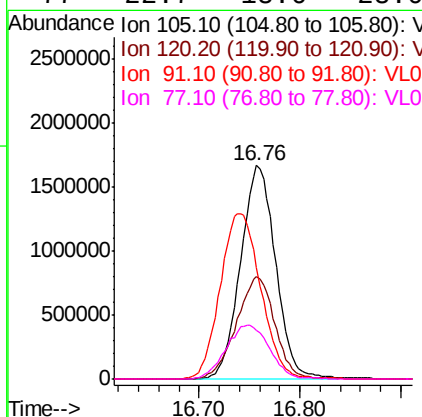
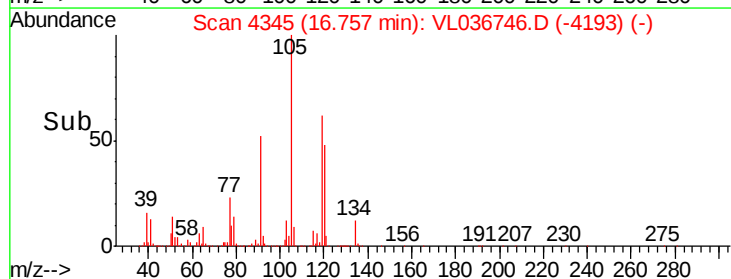
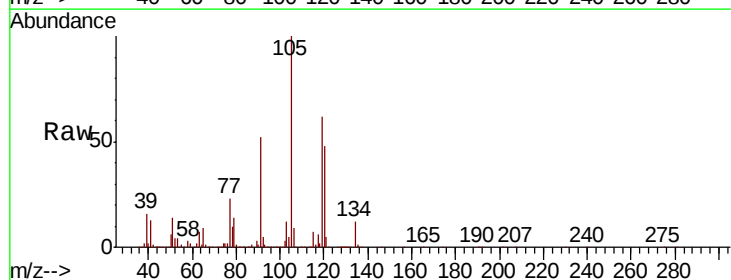
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

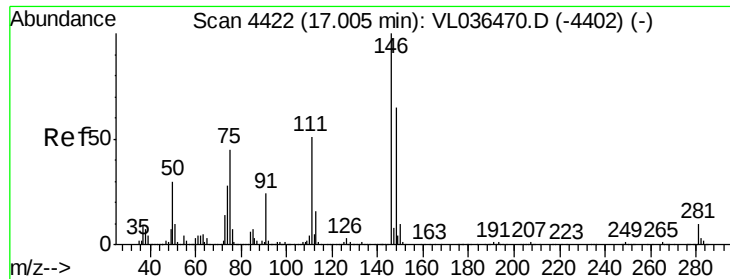
Tot Ion:105 Resp: 3882340
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 10.475 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion:105 Resp: 4021274
 Ion Ratio Lower Upper
 105 100
 120 48.1 39.2 58.8
 91 52.1 42.6 64.0
 77 22.7 18.6 28.0

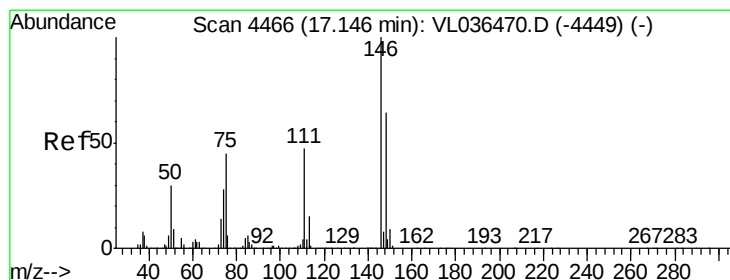
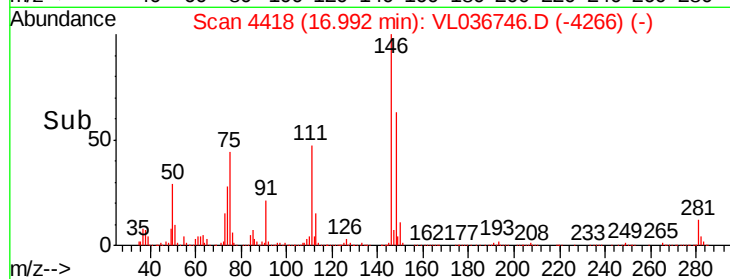
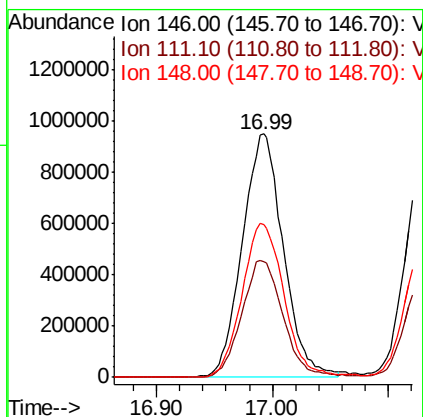
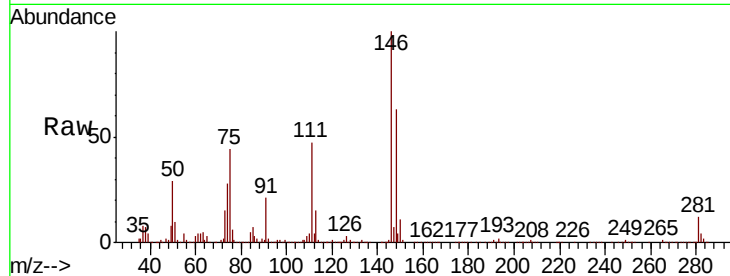




#75
 1,3-Dichlorobenzene
 Concen: 10.793 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

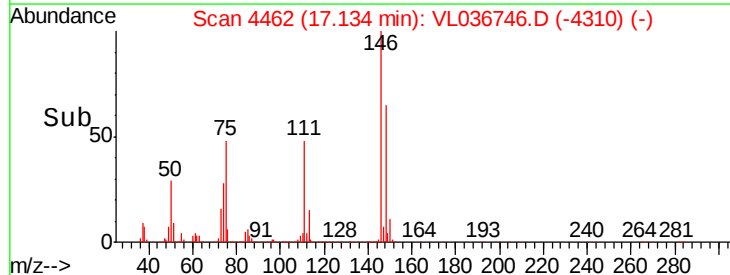
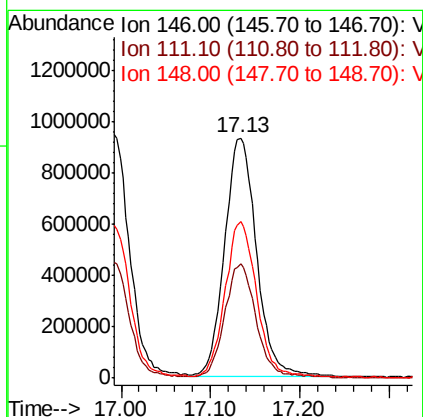
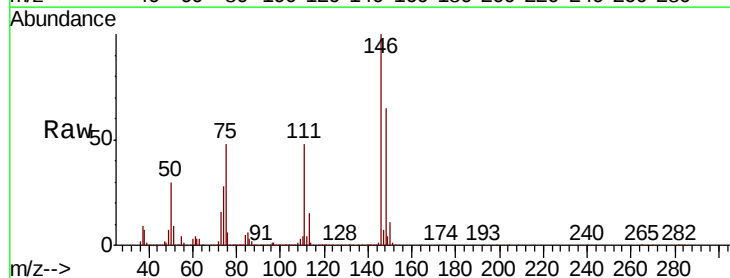
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

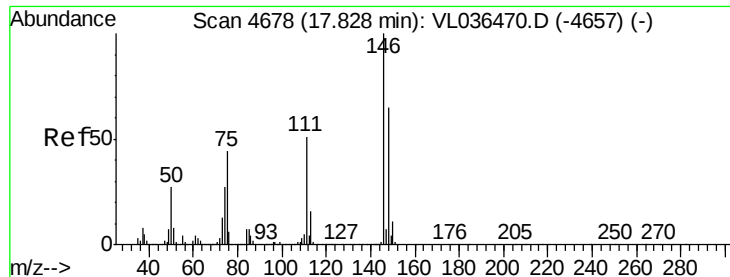
Tot Ion:146 Resp: 2332199
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.5 73.5
 148 64.6 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 10.704 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion:146 Resp: 2296407
 Ion Ratio Lower Upper
 146 100
 111 47.4 24.3 72.8
 148 65.4 33.0 98.9

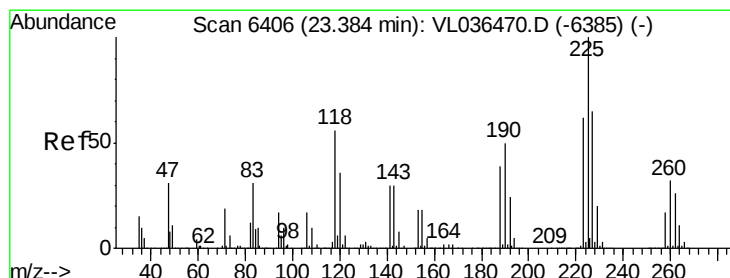
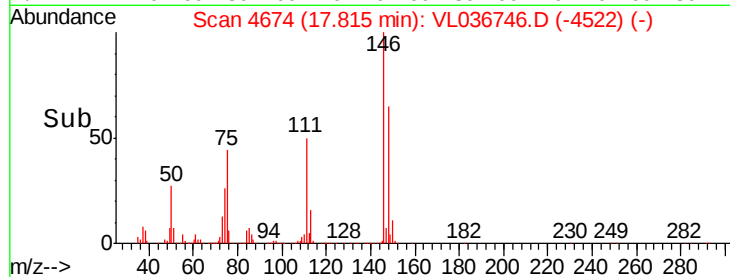
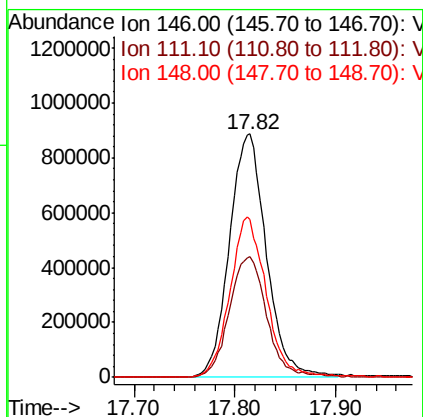
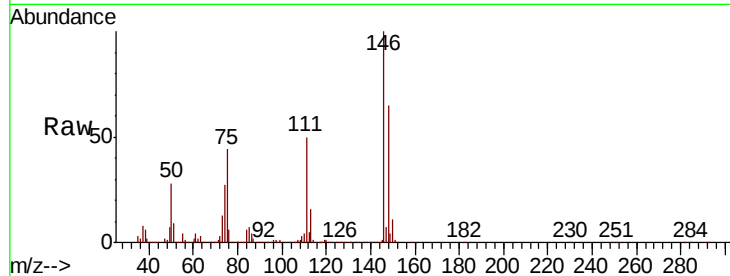




#77
 1,2-Dichlorobenzene
 Concen: 10.982 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

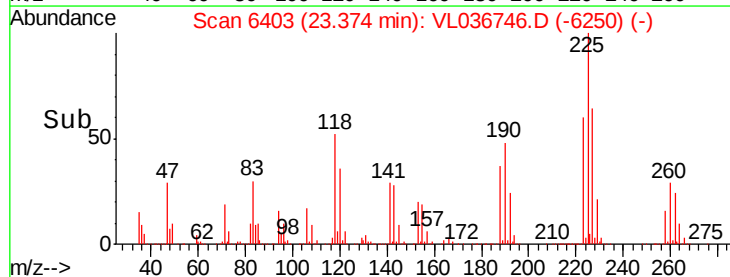
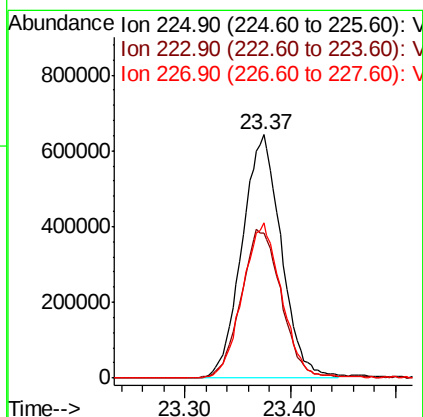
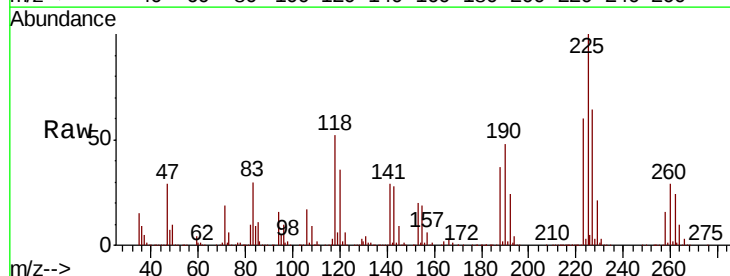
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

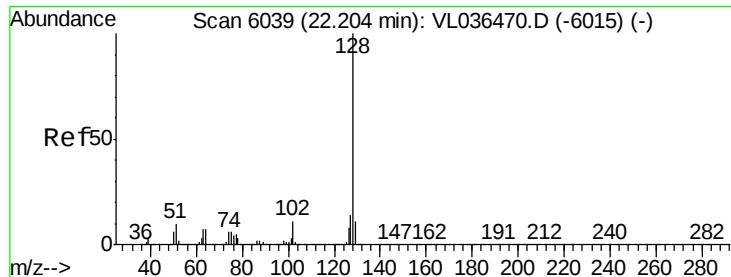
Tot Ion:146 Resp: 2230627
 Ion Ratio Lower Upper
 146 100
 111 50.6 25.5 76.5
 148 64.7 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.134 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion:225 Resp: 1661463
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.6 75.8
 227 64.2 52.2 78.2

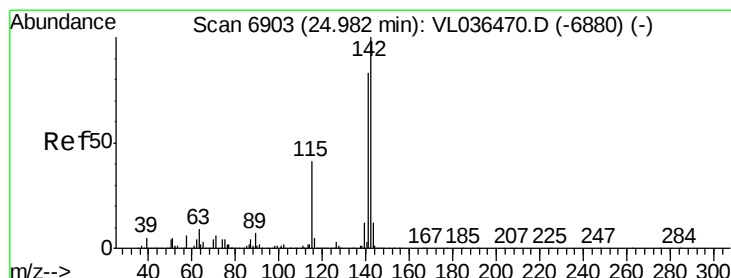
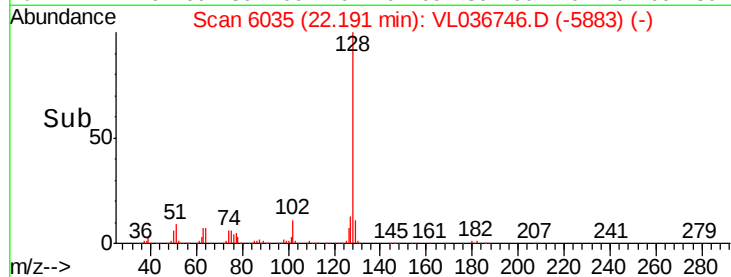
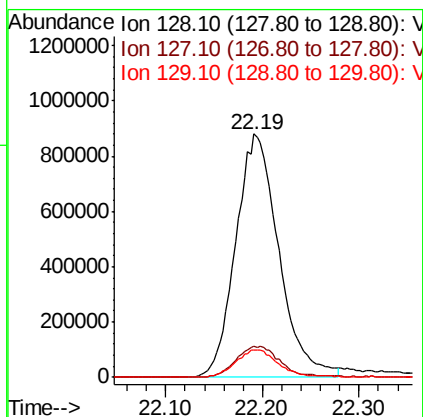
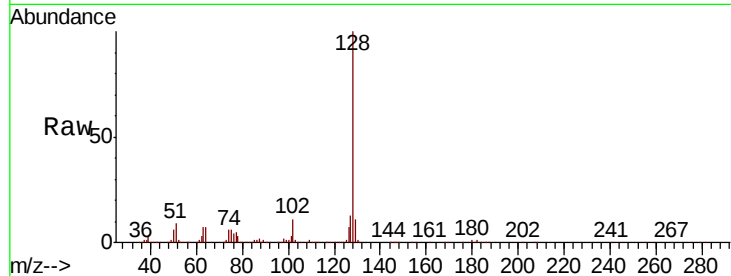




#79
Naphthalene
Concen: 12.097 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

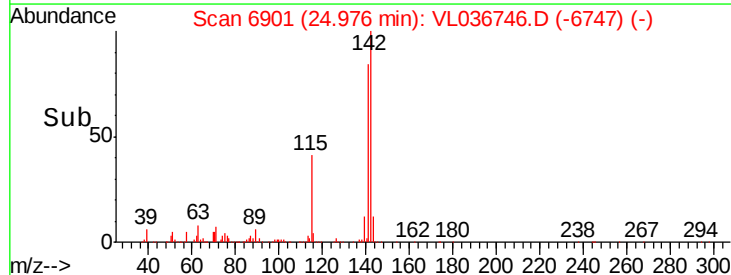
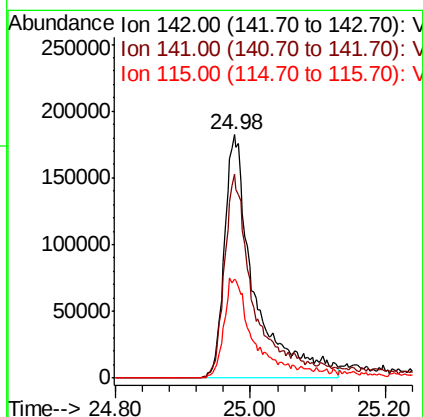
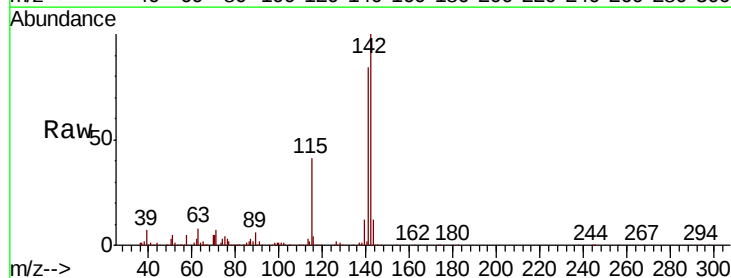
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

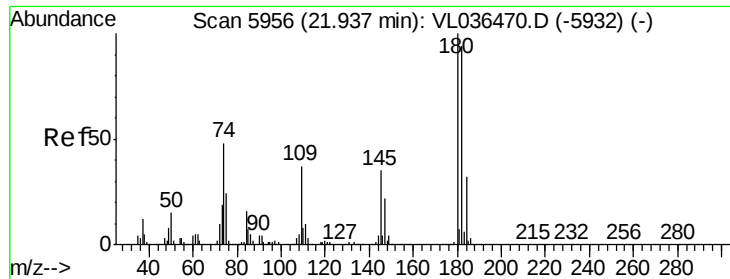
Tot Ion:128 Resp: 2709707
Ion Ratio Lower Upper
128 100
127 12.6 10.9 16.3
129 11.4 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 12.793 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion:142 Resp: 565119
Ion Ratio Lower Upper
142 100
141 86.5 67.8 101.8
115 43.3 34.0 51.0

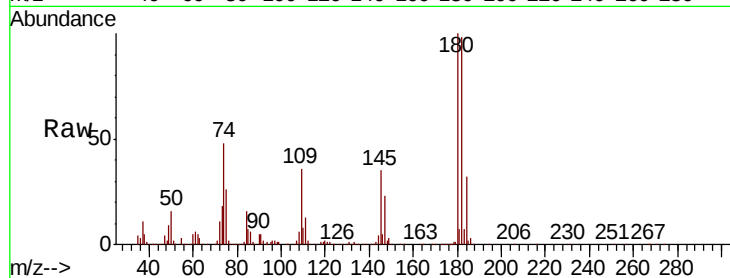




#81
 1,2,4-Trichlorobenzene
 Concen: 5.939 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 821376
 Ion Ratio Lower Upper
 180 100
 182 194.1 80.8 121.2#
 184 61.1 25.0 37.4#



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

