

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036679.D
 Acq On : 5 Apr 2021 18:09
 Operator : SY/AP
 Sample : VL0405ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 02:00:11 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	5.67	49	1400458	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3600015	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4088108	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2763388	8.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1915525	8.386	ppbv 97
3) Chlorodifluoromethane	2.99	51	2262492	8.647	ppbv 100
4) Chloromethane	3.14	50	728362	7.881	ppbv 98
5) Vinyl Chloride	3.26	62	713605	7.509	ppbv 98
6) Bromomethane	3.48	94	377762	7.220	ppbv 99
7) Chloroethane	3.56	64	247699	7.585	ppbv 92
8) Dichlorotetrafluoroethane	3.19	85	1753189	8.042	ppbv 95
9) Propene	3.01	41	684613	8.207	ppbv 98
10) Heptane	8.13	43	1785465	8.402	ppbv 99
11) Trichlorofluoromethane	3.96	101	1791736	7.697	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1196729	8.041	ppbv 99
13) Ethanol	3.62	45	64106	6.454	ppbv 87
14) Bromoethene	3.74	108	487612	7.881	ppbv 99
15) Acetone	3.86	43	958251	6.952	ppbv 100
16) 1,3-Butadiene	3.33	39	837876	8.731	ppbv 90
17) tert-Butyl alcohol	4.30	59	924421	7.704	ppbv 97
18) 1,1-Dichloroethene	4.29	96	513858	7.762	ppbv 95
19) Isopropyl Alcohol	3.98	45	534493	7.049	ppbv 100
20) Methylene Chloride	4.35	84	454790	7.047	ppbv 99
21) Allyl Chloride	4.42	41	764585	6.958	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	502652	8.190	ppbv 93
23) Vinyl Acetate	5.08	43	1892029	8.025	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1420860	8.268	ppbv 98
25) Ethyl Acetate	5.69	43	2668537	8.143	ppbv 99
26) Hexane	5.70	57	1268817	8.343	ppbv 98
27) Carbon Disulfide	4.56	76	1224671	8.175	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1425221	7.947	ppbv 99
29) Chloroform	5.76	83	2015352	8.287	ppbv 100
30) Cyclohexane	7.14	84	1076945	8.732	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1238231	8.418	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	2046738	8.351	ppbv 99
34) 2-Butanone	5.25	43	1244548	7.082	ppbv 99
35) Carbon Tetrachloride	7.03	117	2140933	7.743	ppbv 99
36) Benzene	6.90	78	2655395	7.998	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1514317	7.749	ppbv 99
38) Trichloroethene	7.85	130	978091	7.570	ppbv 95
39) 1,2-Dichloropropane	7.63	63	1049685	7.794	ppbv 99
40) 1,4-Dioxane	7.84	88	221297	7.060	ppbv 76
41) Tetrahydrofuran	6.06	42	528105	6.518	ppbv 92
42) Bromodichloromethane	7.80	83	2128389	8.007	ppbv 98
43) Methyl Methacrylate	8.02	69	1006622	9.029	ppbv 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4537007	7.764	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	621167	4.879	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	789270	4.850	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	1090259	7.992	ppbv	98
48) Dibromochloromethane	10.32	129	1789500	8.605	ppbv	99
49) Bromoform	13.06	173	1473272	8.793	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1968567	7.742	ppbv	99
51) 2-Hexanone	10.15	43	1023219	7.974	ppbv #	98
52) Tetrachloroethene	11.24	164	928133	7.591	ppbv	96
53) Toluene	9.82	91	2986459	8.446	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1537397	7.980	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1284759	6.948	ppbv #	54
57) Chlorobenzene	12.16	112	2265304	6.512	ppbv	97
58) Ethyl Benzene	12.73	91	4108673	6.908	ppbv	99
59) m/p-Xylene	13.01	91	4102067	7.907	ppbv #	51
60) o-Xylene	13.71	91	3301445	6.582	ppbv	100
61) Styrene	13.54	104	1774348	7.031	ppbv	99
62) Isopropylbenzene	14.68	105	4656376	6.893	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2367422	6.187	ppbv	99
64) n-propylbenzene	15.58	120	1222292	7.401	ppbv	98
65) tert-Butylbenzene	16.76	119	4046649	6.909	ppbv	99
66) Benzyl Chloride	17.01	91	311230	4.807	ppbv	99
67) sec-Butylbenzene	17.31	105	5688564	6.880	ppbv	100
69) p-Isopropyltoluene	17.67	119	4776251	7.398	ppbv	98
70) n-Butylbenzene	18.57	91	4815282	7.193	ppbv	99
71) 2-Chlorotoluene	15.47	91	3544334	7.002	ppbv	99
72) 4-Ethyltoluene	15.85	105	3924601	7.140	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3554140	6.928	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	3705061	6.749	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2145945	6.945	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2068969	6.744	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2082387	7.169	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1642713	6.315	ppbv	99
79) Naphthalene	22.22	128	2358475	7.362	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	255619	4.047	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	1423926	7.199	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL036679.D

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MSVOA_L
ClientSampleId :

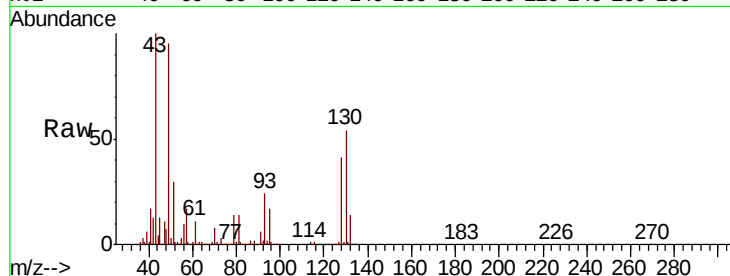
Tot Ion: 49 Resp: 1400458

Ion Ratio Lower Upper

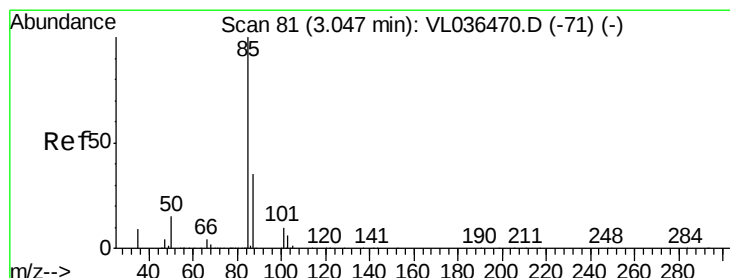
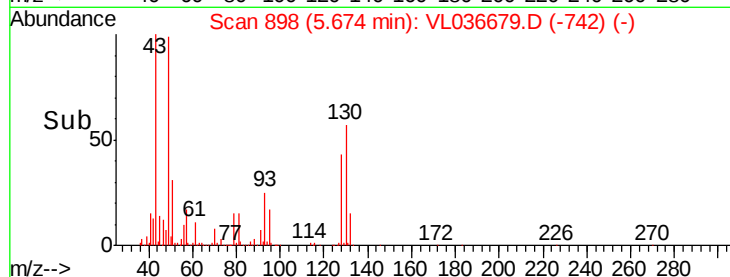
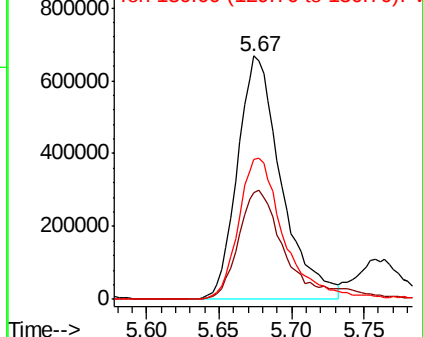
49 100

128 49.6 23.5 70.6

130 60.8 29.1 87.4



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: 8.386 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036679.D

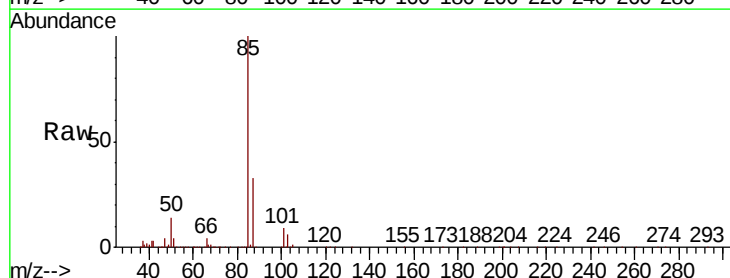
Acq: 5 Apr 2021 18:09

Tgt Ion: 85 Resp: 1915525

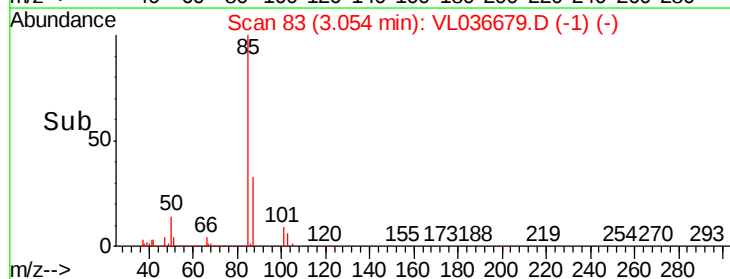
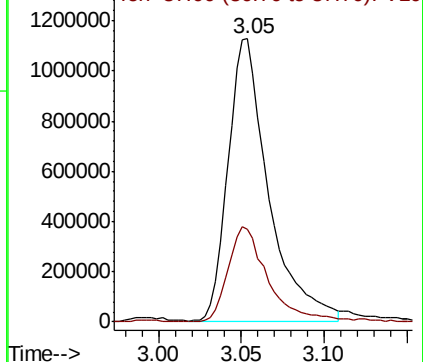
Ion Ratio Lower Upper

85 100

87 32.9 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: 8.647 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

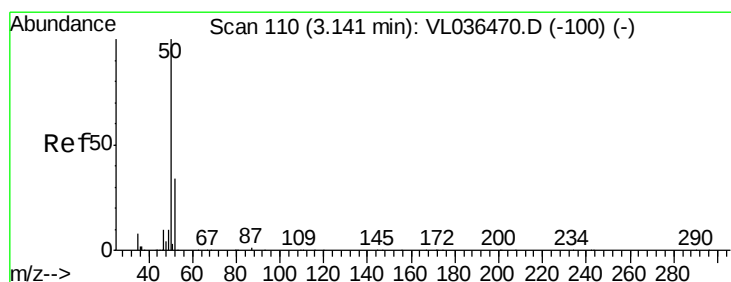
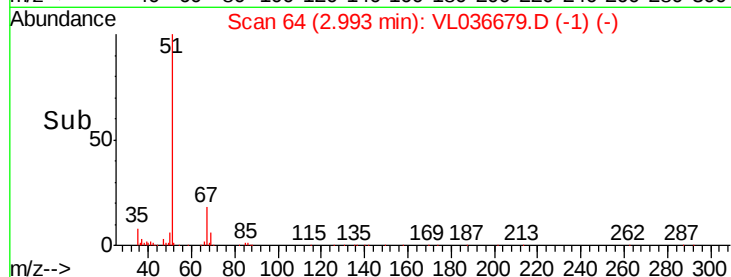
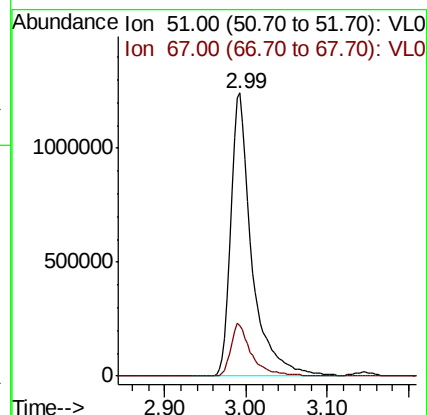
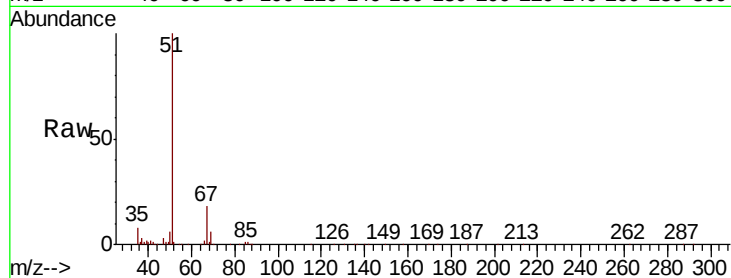
ClientSampleId :

Tot Ion: 51 Resp: 2262492

Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1



#4

Chloromethane

Concen: 7.881 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036679.D

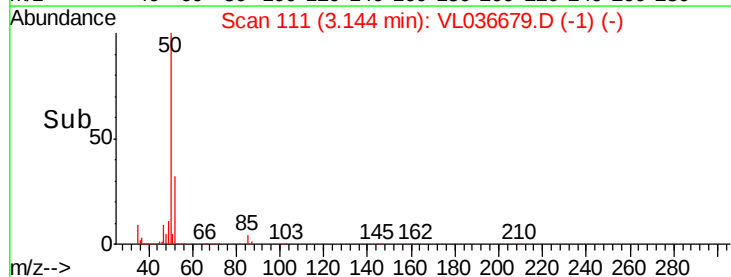
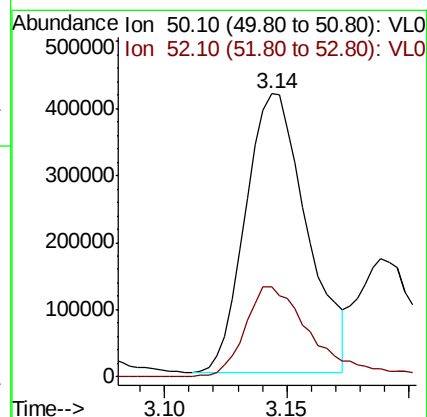
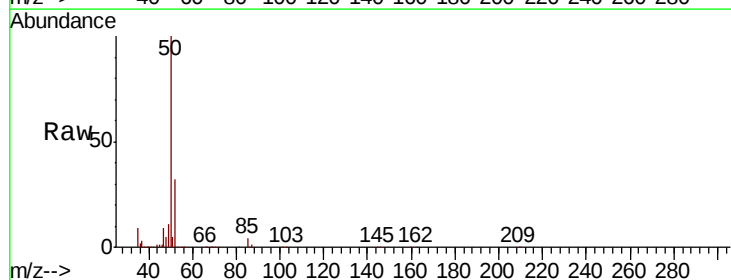
Acq: 5 Apr 2021 18:09

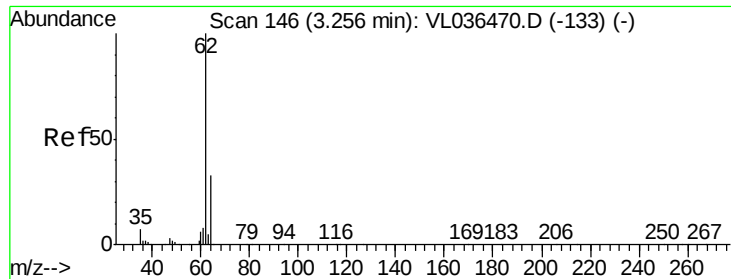
Tgt Ion: 50 Resp: 728362

Ion Ratio Lower Upper

50 100

52 32.5 27.0 40.6





#5

Vinyl Chloride

Concen: 7.509 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

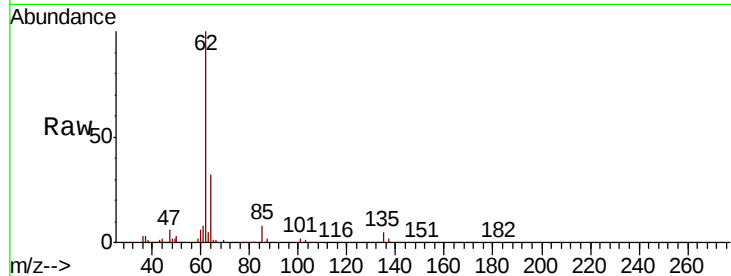
ClientSampleId :

Tot Ion: 62 Resp: 713605

Ion Ratio Lower Upper

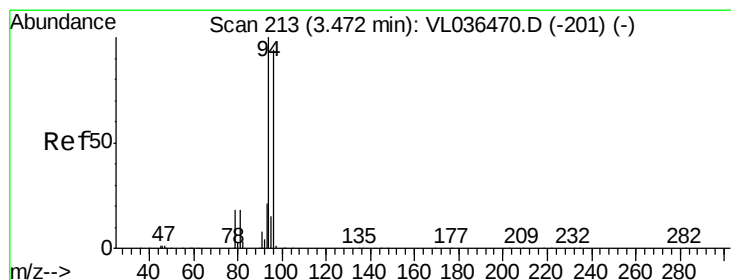
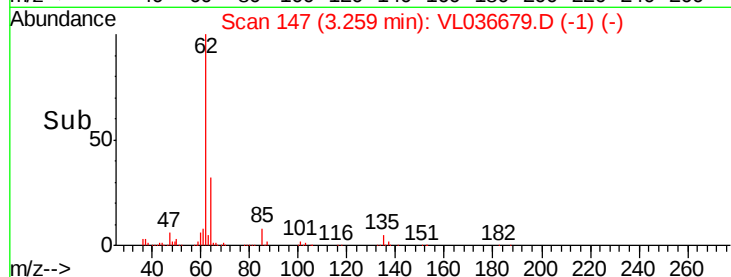
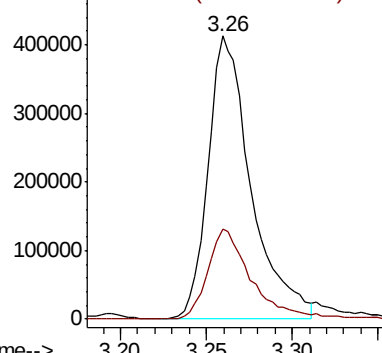
62 100

64 32.1 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: 7.220 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL036679.D

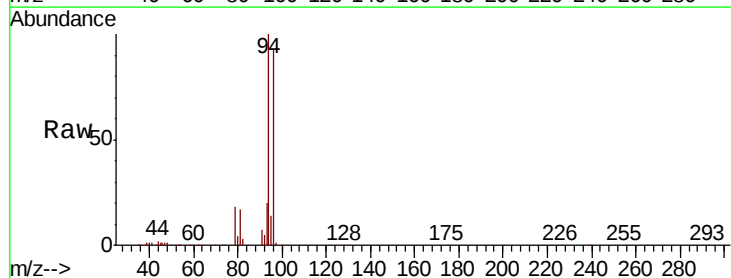
Acq: 5 Apr 2021 18:09

Tgt Ion: 94 Resp: 377762

Ion Ratio Lower Upper

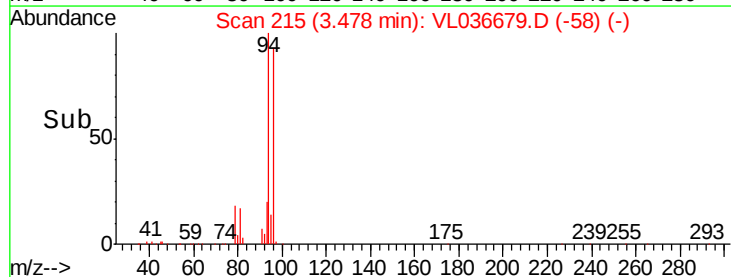
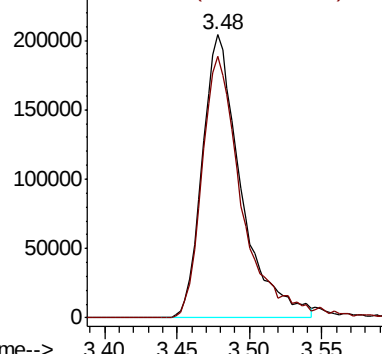
94 100

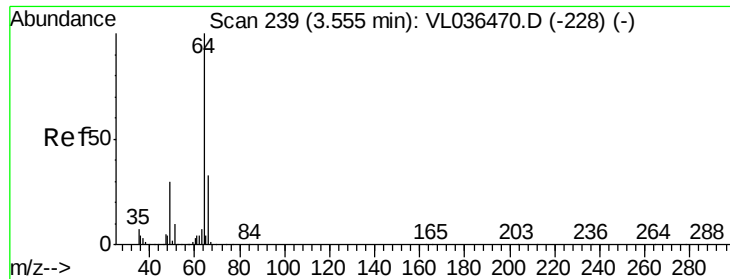
96 92.5 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 7.585 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

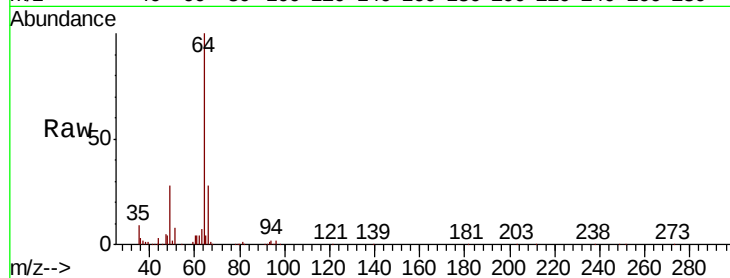
ClientSampleId :

Tot Ion: 64 Resp: 247699

Ion Ratio Lower Upper

64 100

66 28.0 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

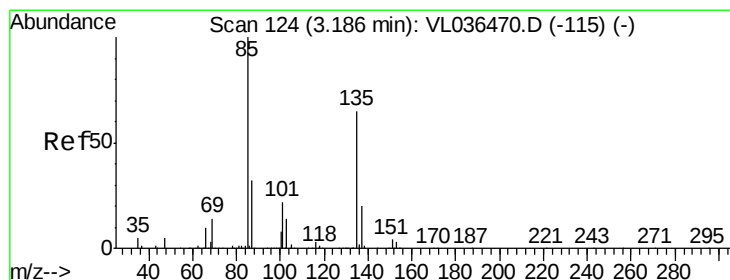
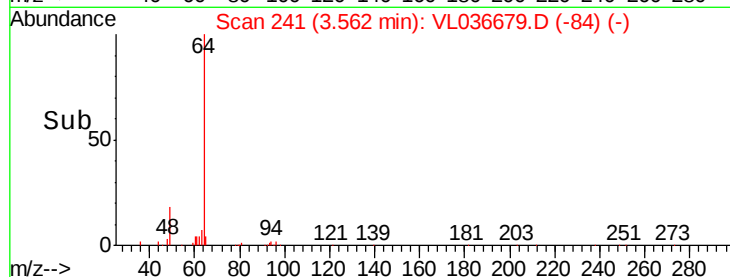
150000

100000

50000

0

Time--> 3.50 3.55 3.60



#8

Dichlorotetrafluoroethane

Concen: 8.042 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL036679.D

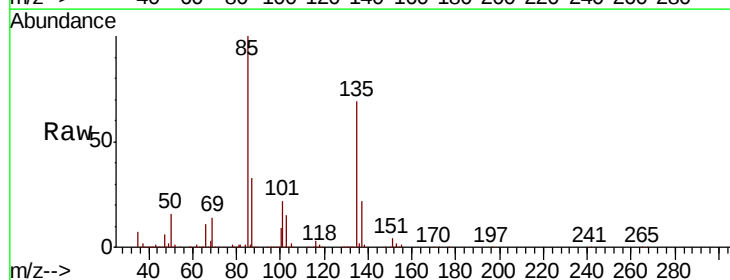
Acq: 5 Apr 2021 18:09

Tgt Ion: 85 Resp: 1753189

Ion Ratio Lower Upper

85 100

135 71.7 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

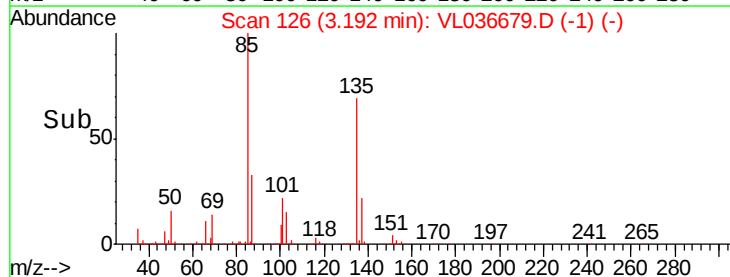
600000

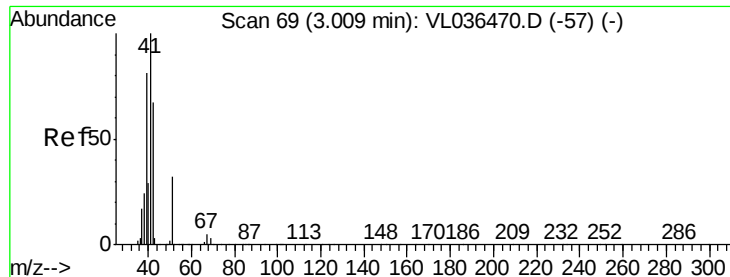
400000

200000

0

Time--> 3.15 3.20 3.25

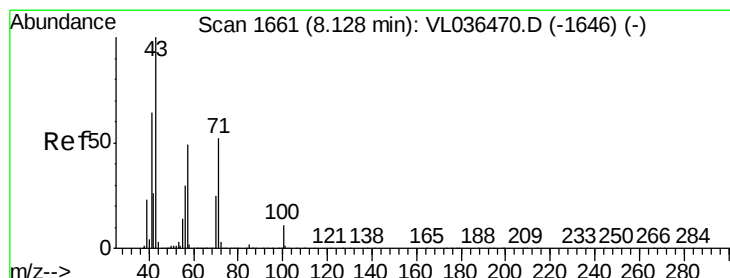
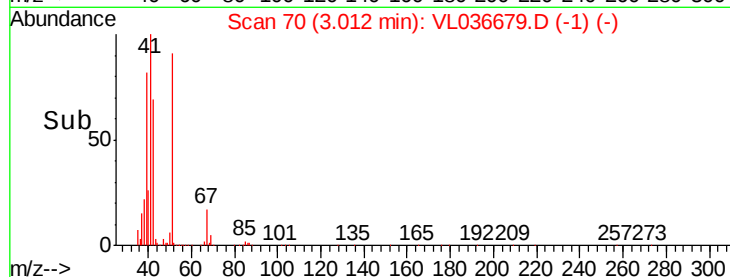
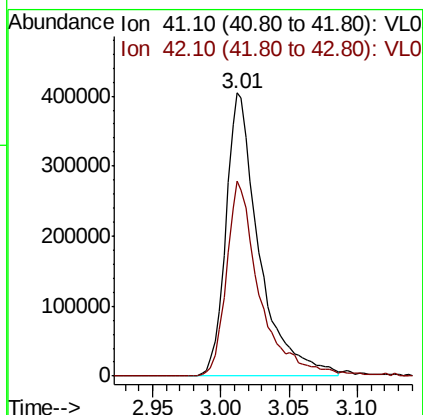
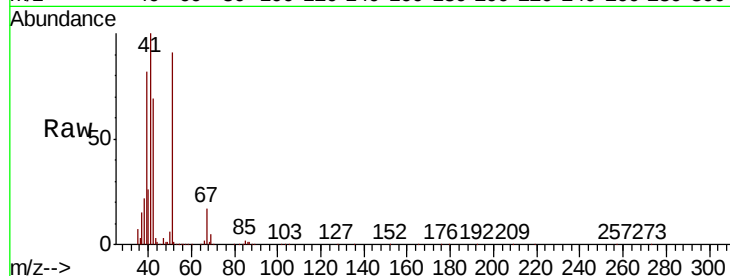




#9
 Propene
 Concen: 8.207 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

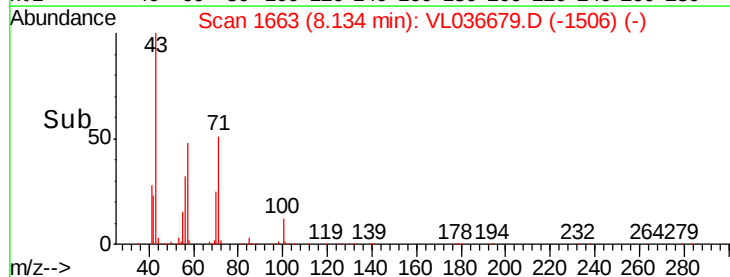
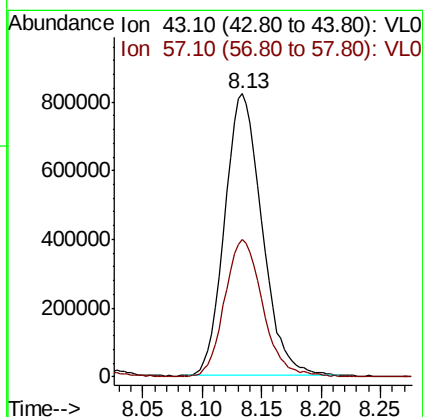
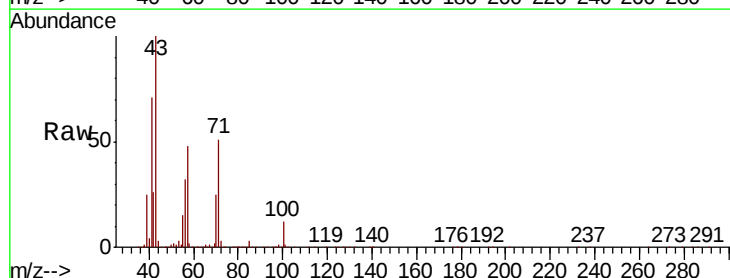
Instrument :
 MSVOA_L
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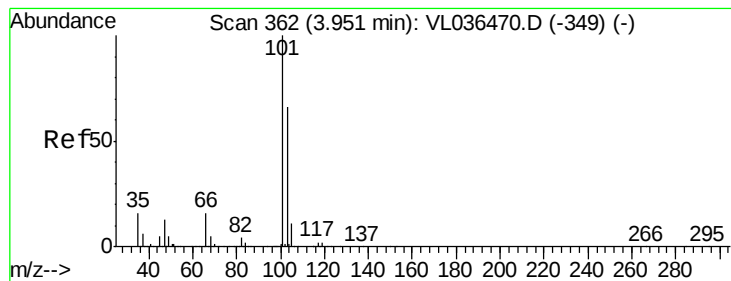
Tot Ion: 41 Resp: 684613
 Ion Ratio Lower Upper
 41 100
 42 69.8 57.0 85.4



#10
 Heptane
 Concen: 8.402 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion: 43 Resp: 1785465
 Ion Ratio Lower Upper
 43 100
 57 49.7 39.0 58.6





#11

Trichlorofluoromethane

Concen: 7.697 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

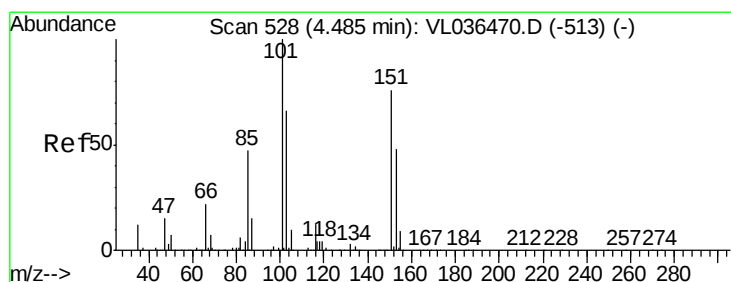
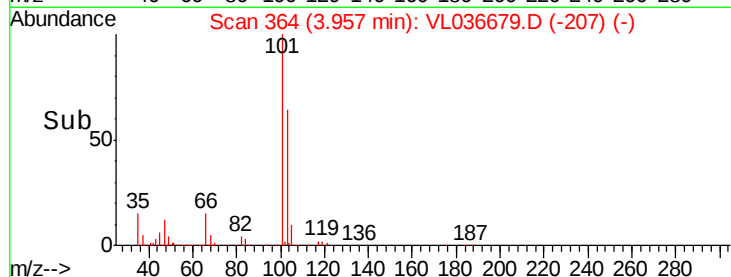
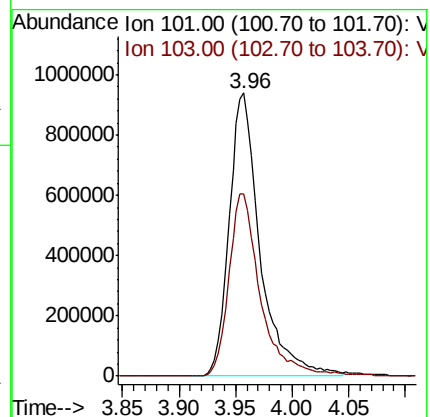
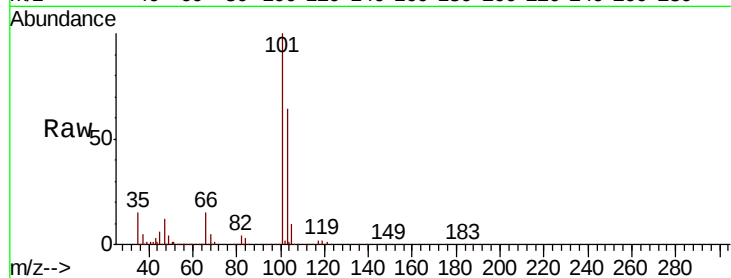
ClientSampleId :

Tot Ion:101 Resp: 1791736

Ion Ratio Lower Upper

101 100

103 64.2 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.041 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL036679.D

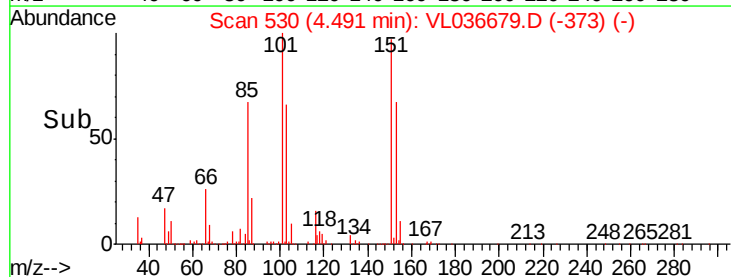
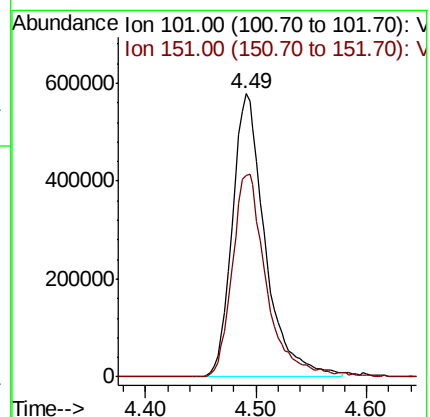
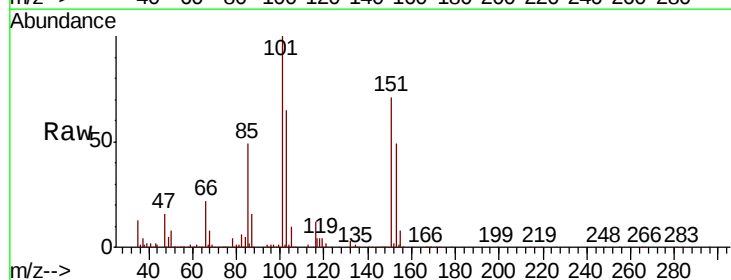
Acq: 5 Apr 2021 18:09

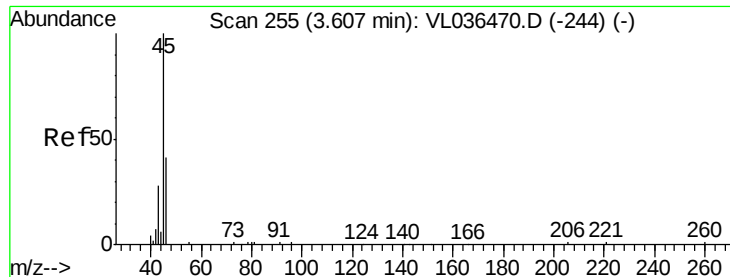
Tgt Ion:101 Resp: 1196729

Ion Ratio Lower Upper

101 100

151 74.9 60.9 91.3

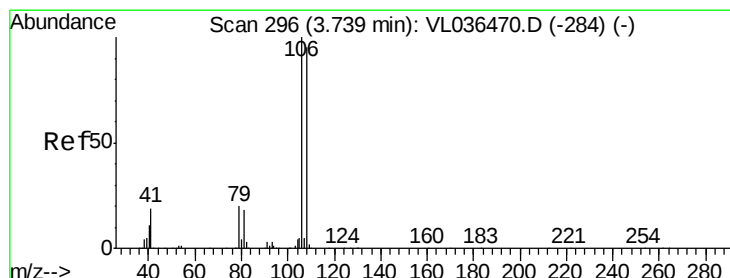
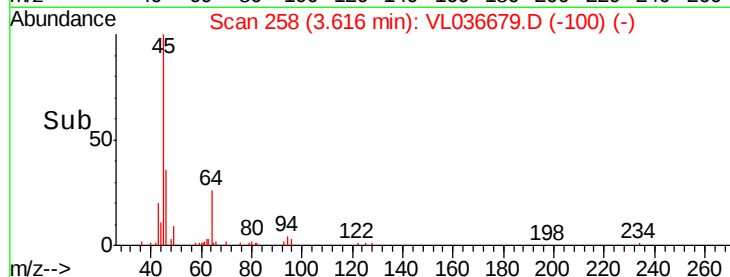
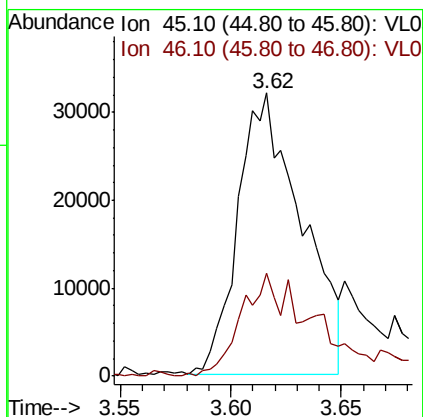
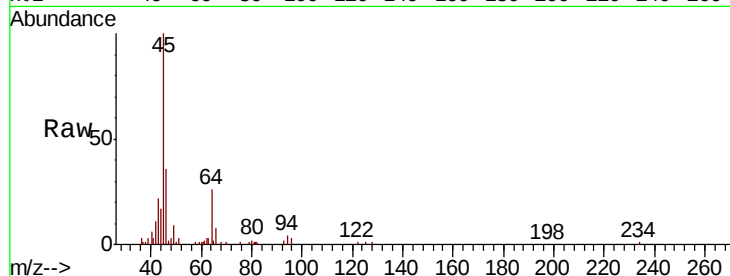




#13
Ethanol
Concen: 6.454 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

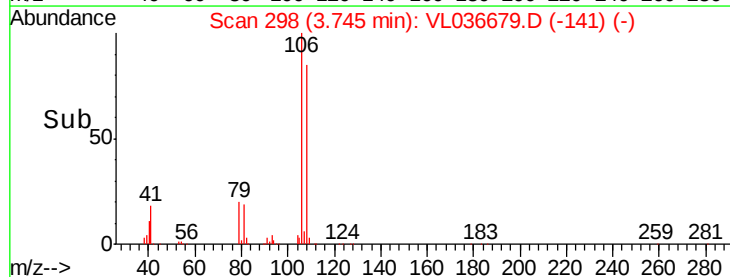
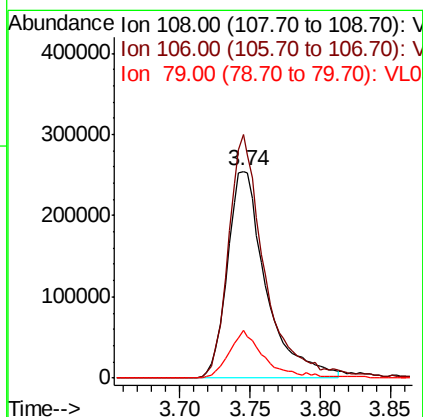
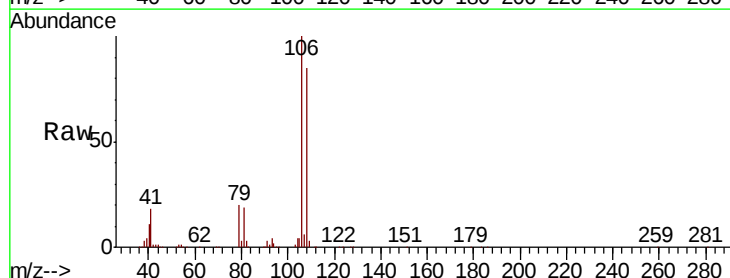
Instrument :
MSVOA_L
ClientSampleId :

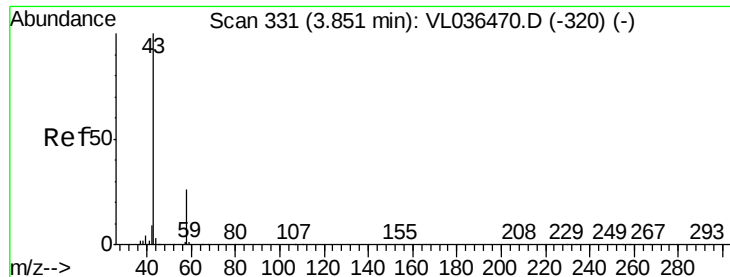
Tot Ion: 45 Resp: 64106
Ion Ratio Lower Upper
45 100
46 49.7 16.6 66.2



#14
Bromoethene
Concen: 7.881 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 108 Resp: 487612
Ion Ratio Lower Upper
108 100
106 112.1 89.0 133.6
79 21.8 16.6 25.0





#15

Acetone

Concen: 6.952 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

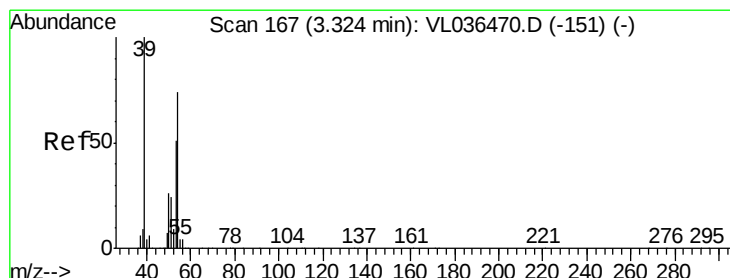
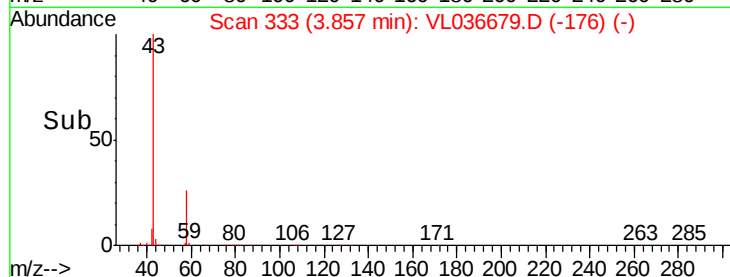
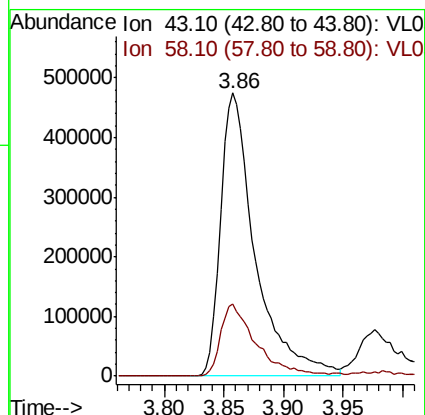
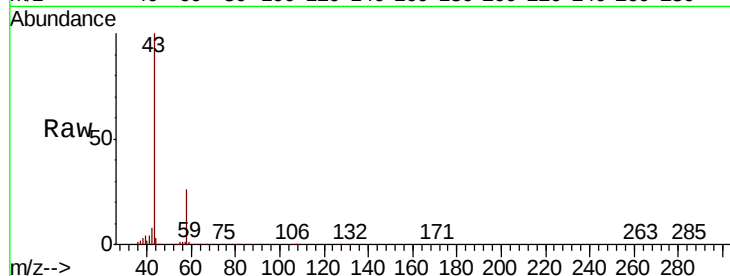
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 958251

Ion Ratio Lower Upper

43 100

58 26.5 21.2 31.8



#16

1,3-Butadiene

Concen: 8.731 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036679.D

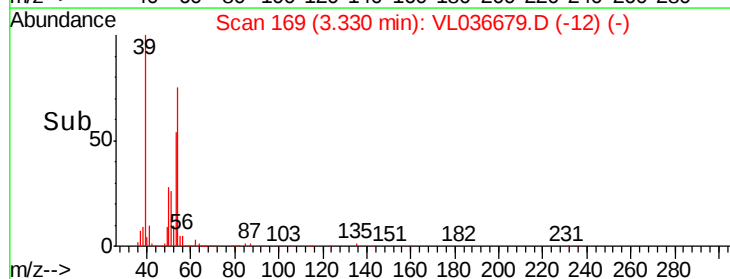
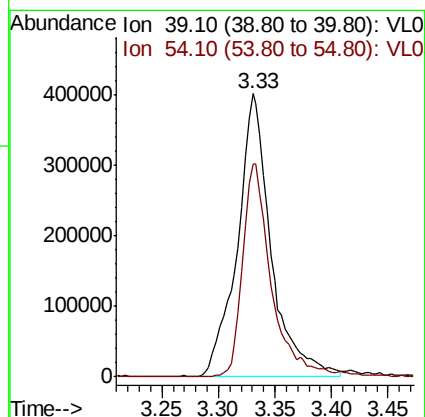
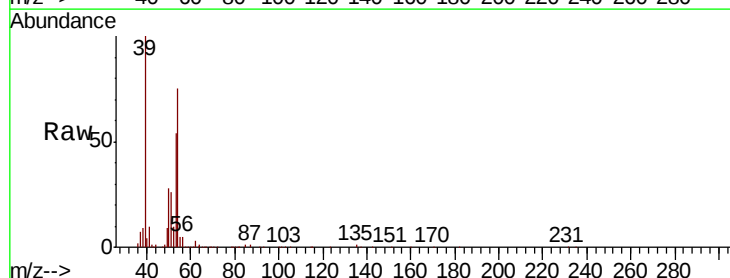
Acq: 5 Apr 2021 18:09

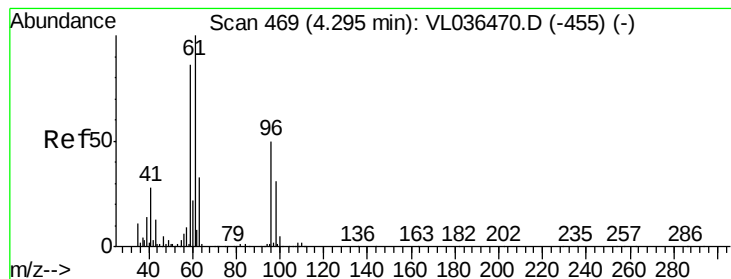
Tgt Ion: 39 Resp: 837876

Ion Ratio Lower Upper

39 100

54 65.1 58.8 88.2



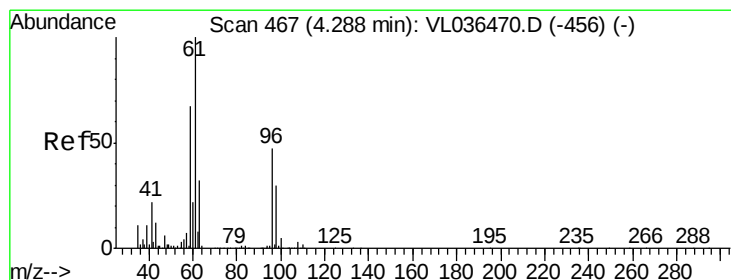
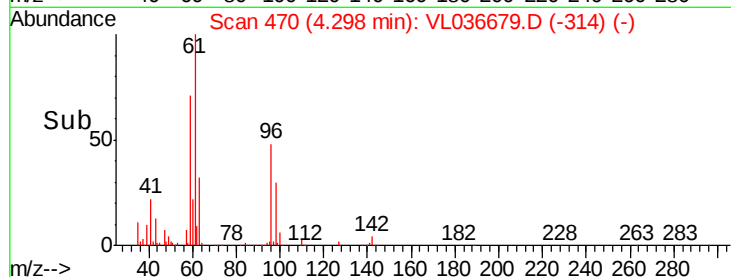
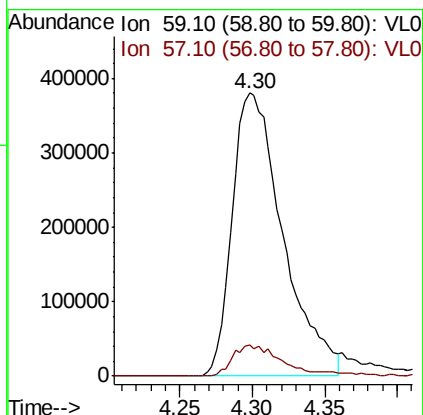
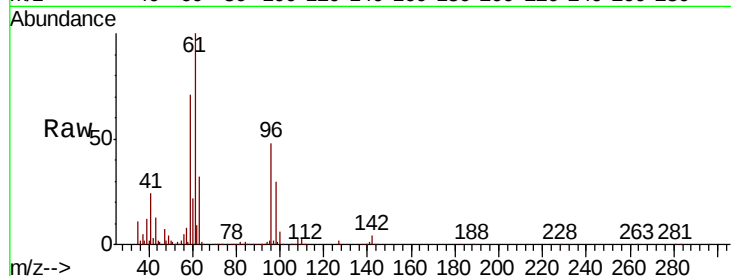


#17

tert-Butyl alcohol
 Concen: 7.704 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampled :

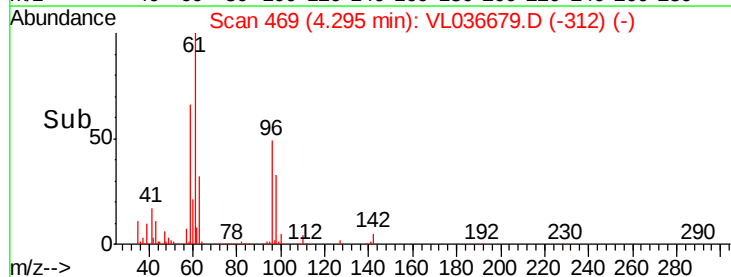
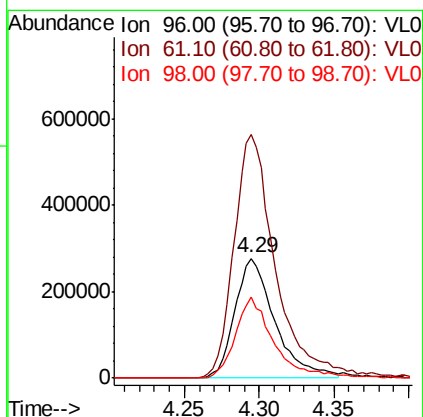
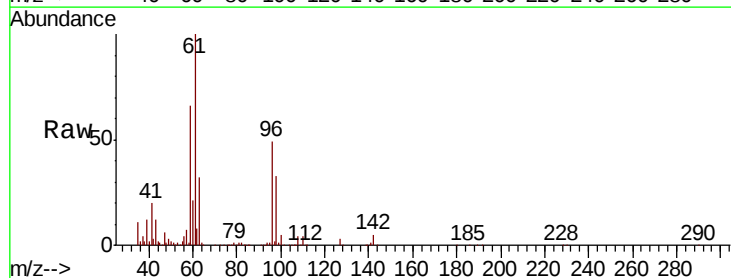
Tot Ion: 59 Resp: 924421
 Ion Ratio Lower Upper
 59 100
 57 11.7 8.6 12.8

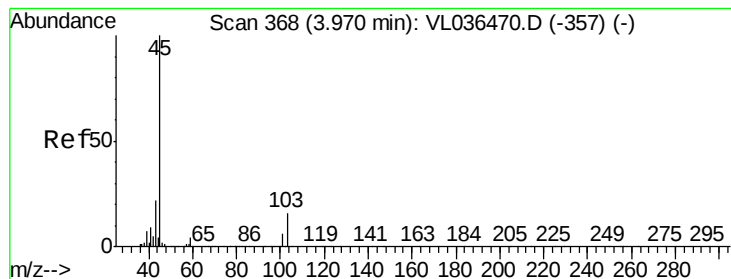


#18

1,1-Dichloroethene
 Concen: 7.762 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion: 96 Resp: 513858
 Ion Ratio Lower Upper
 96 100
 61 203.3 168.6 253.0
 98 67.2 50.8 76.2





#19

Isopropyl Alcohol

Concen: 7.049 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

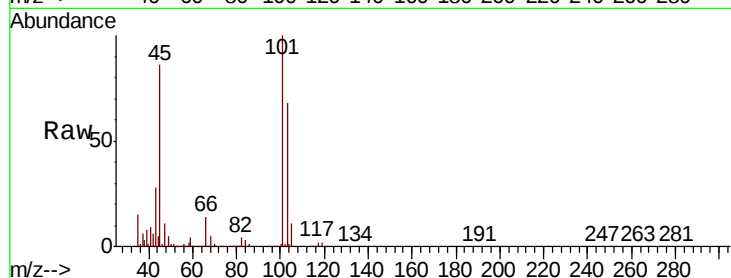
ClientSampleId :

Tot Ion: 45 Resp: 534493

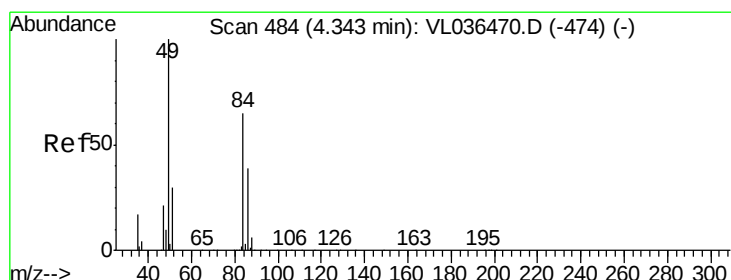
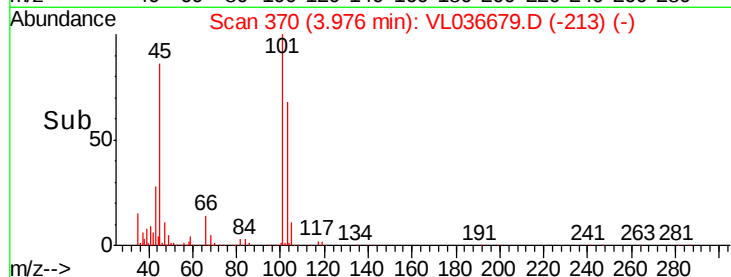
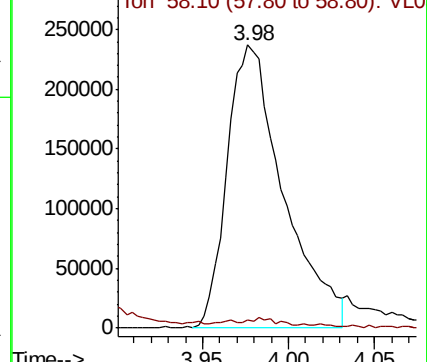
Ion Ratio Lower Upper

45 100

58 3.5 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0



#20

Methylene Chloride

Concen: 7.047 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion: 84 Resp: 454790

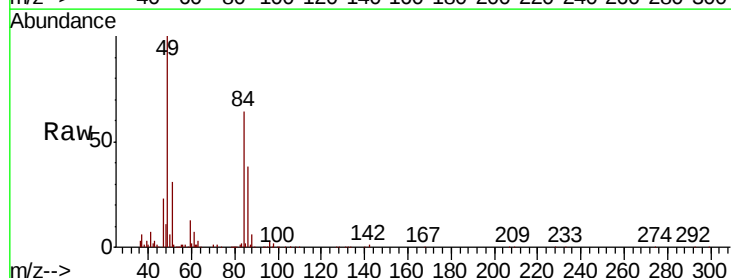
Ion Ratio Lower Upper

84 100

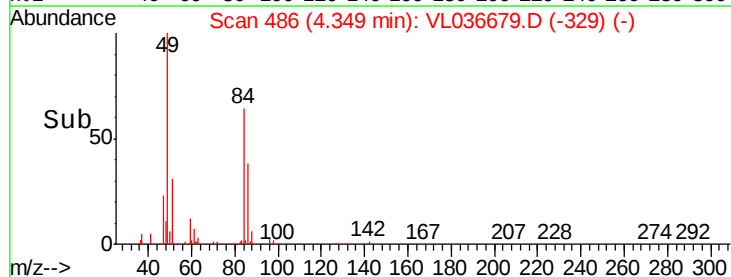
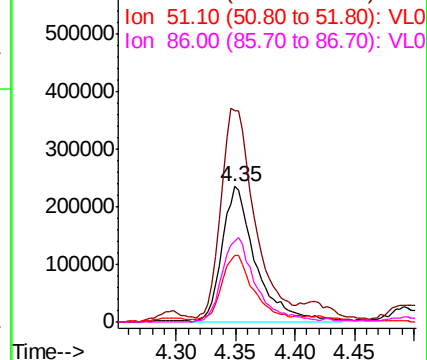
49 153.0 122.9 184.3

51 47.5 36.9 55.3

86 59.6 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VL0





#21

Allvl Chloride

Concen: 6.958 ppbv

RT: 4.42 min Scan# 508

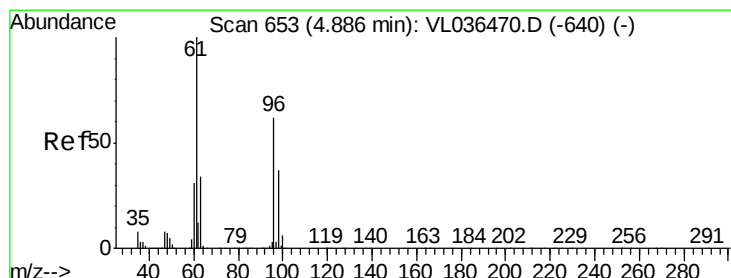
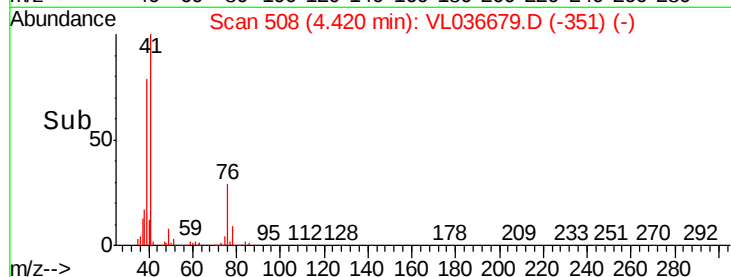
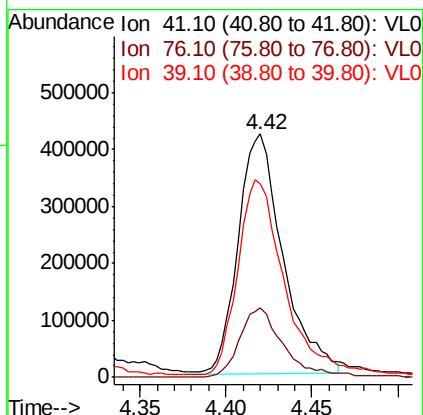
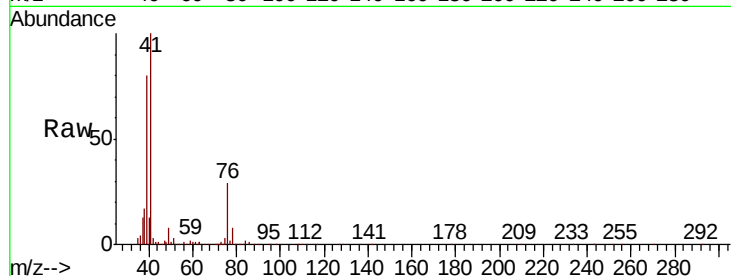
Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	41	Resp:	764585
Ion	Ratio	Lower	Upper
41	100		
76	28.8	22.9	34.3
39	87.2	67.3	100.9



#22

trans-1,2-Dichloroethene

Concen: 8.190 ppbv

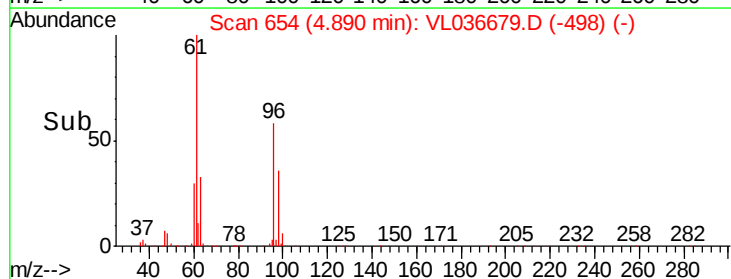
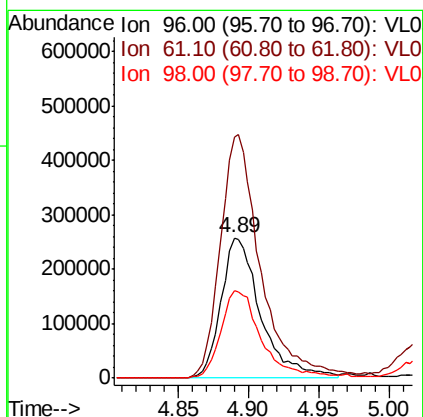
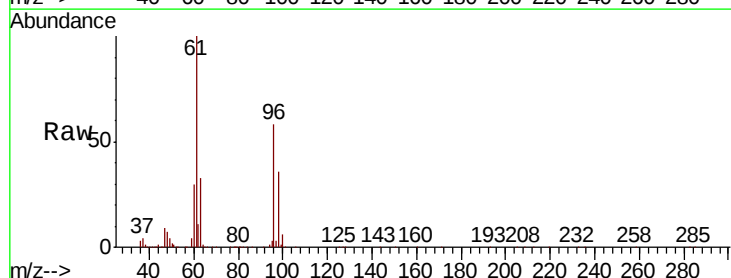
RT: 4.89 min Scan# 654

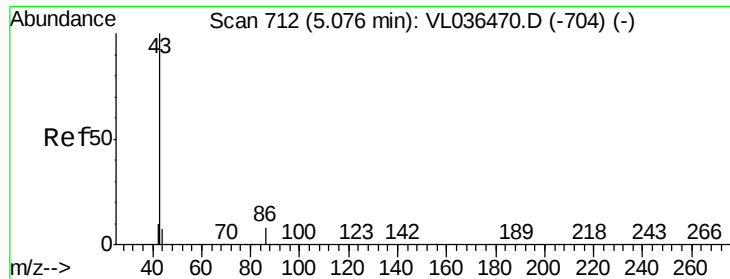
Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion:	96	Resp:	502652
Ion	Ratio	Lower	Upper
96	100		
61	172.3	129.4	194.0
98	62.5	48.2	72.4





#23

Vinyl Acetate

Concen: 8.025 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 1892029

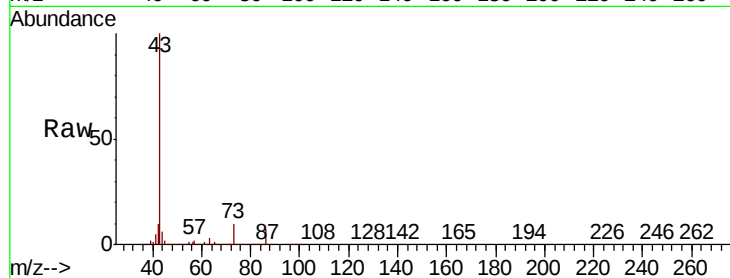
Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.0

42 10.0 8.5 12.7

44 5.4 4.6 7.0

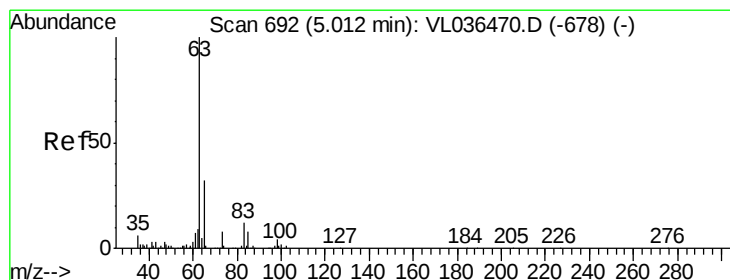
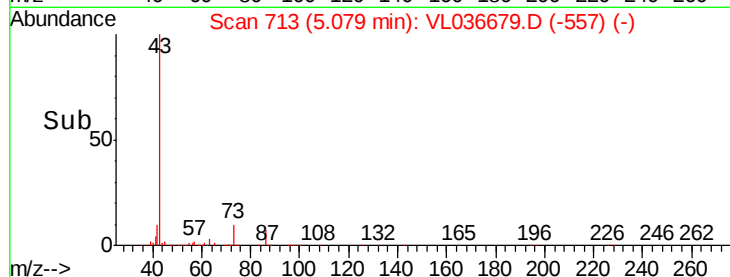
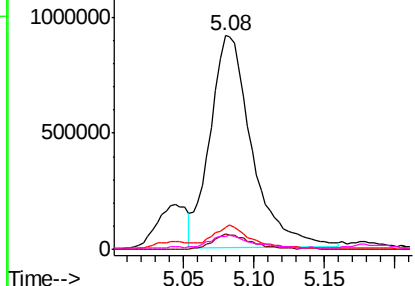


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 8.268 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

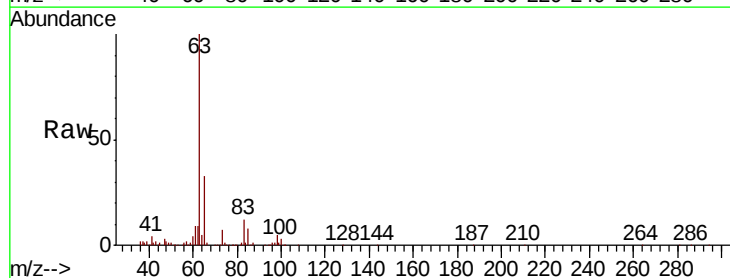
Tgt Ion: 63 Resp: 1420860

Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.2

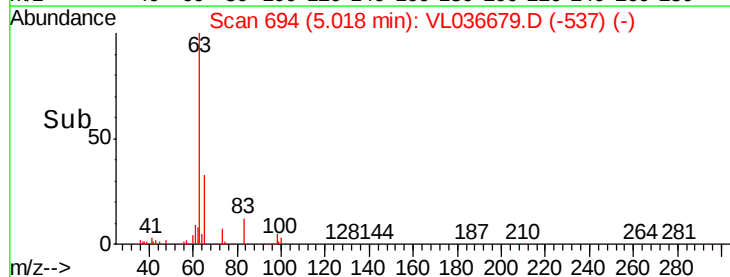
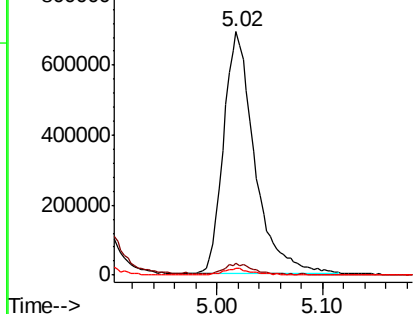
100 2.8 0.9 2.8

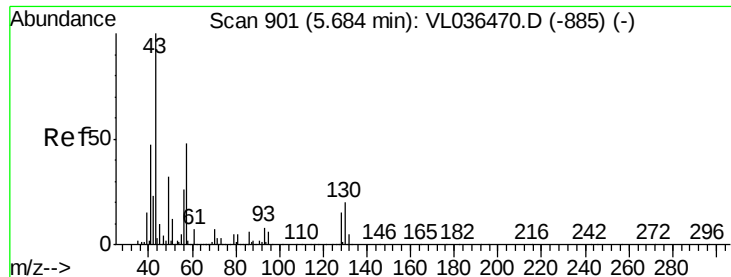


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

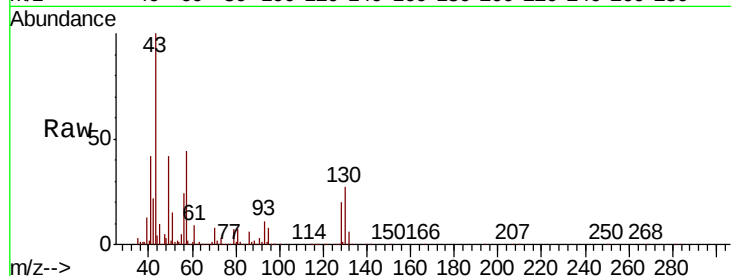




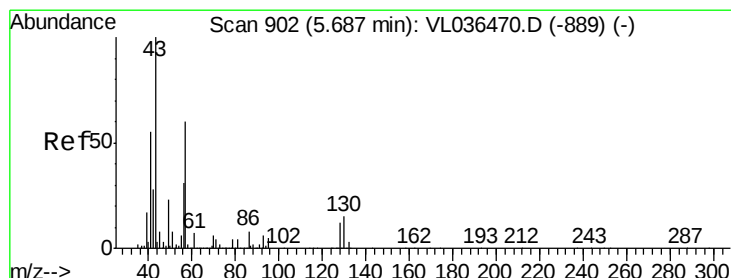
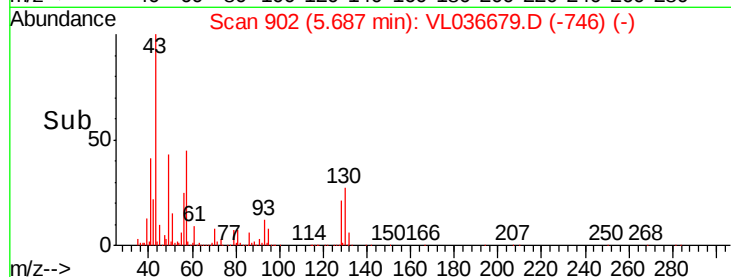
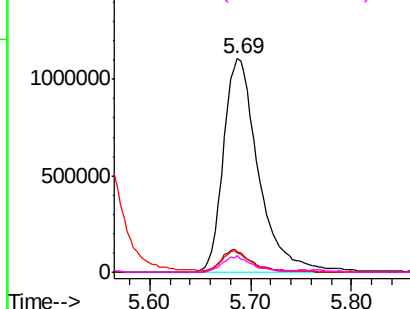
#25
Ethyl Acetate
Concen: 8.143 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2668537
Ion Ratio Lower Upper
43 100
45 9.6 7.9 11.9
61 9.6 7.4 11.2
70 6.3 5.1 7.7

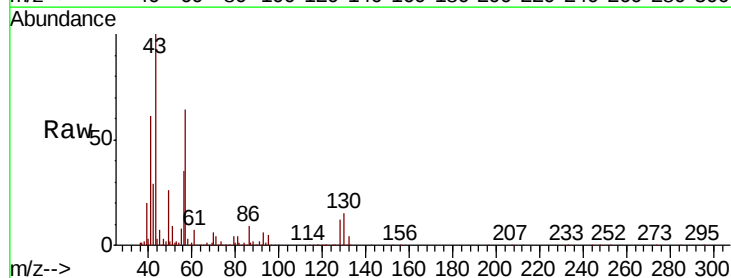


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

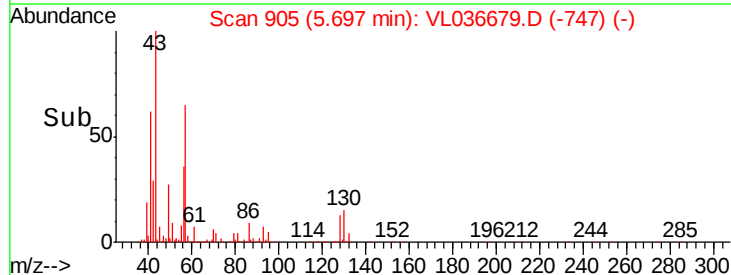
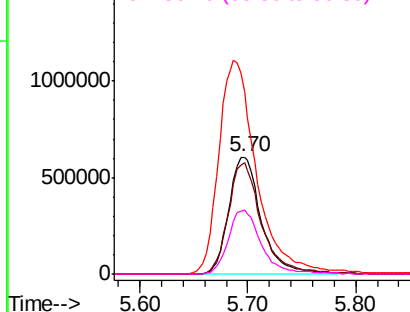


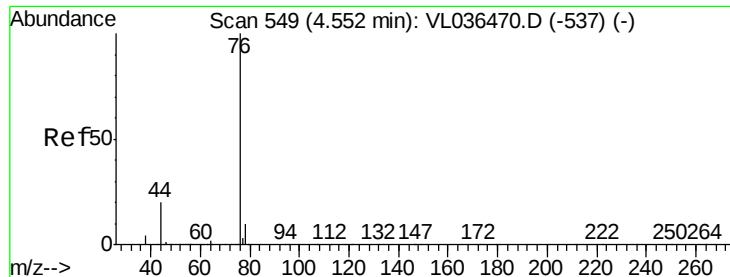
#26
Hexane
Concen: 8.343 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 57 Resp: 1268817
Ion Ratio Lower Upper
57 100
41 97.4 77.2 115.8
43 212.9 173.8 260.6
56 55.6 43.8 65.6



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





#27

Carbon Disulfide

Concen: 8.175 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

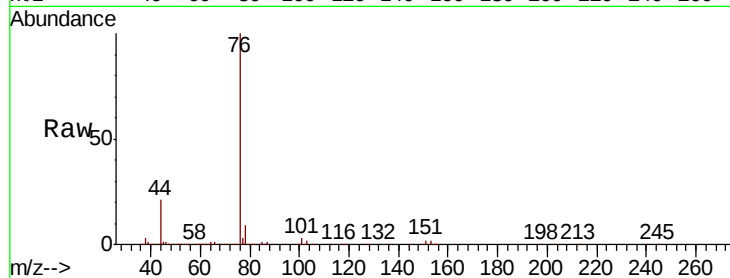
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 76 Resp: 1224671

Ion	Ratio	Lower	Upper
76	100		
44	22.4	17.5	26.3
78	9.3	8.6	13.0

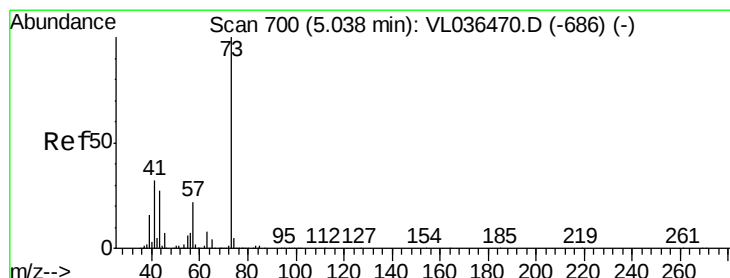
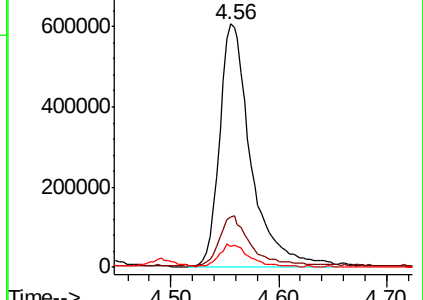
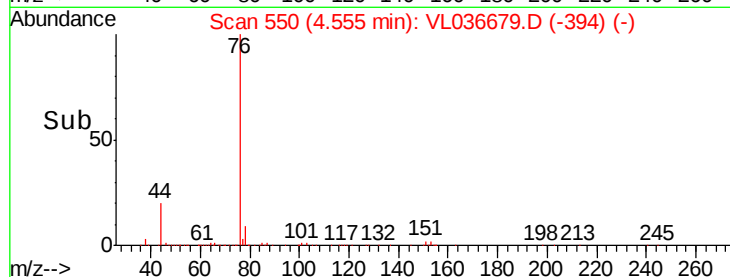


Abundance

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: 7.947 ppbv

RT: 5.04 min Scan# 702

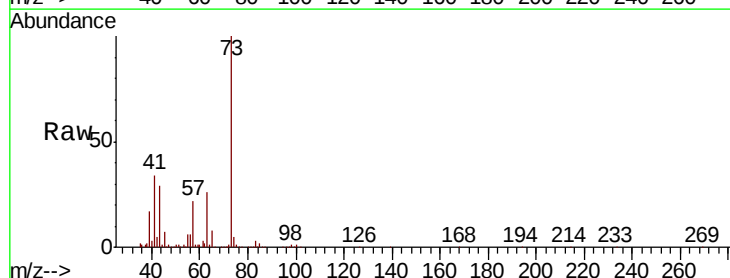
Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion: 73 Resp: 1425221

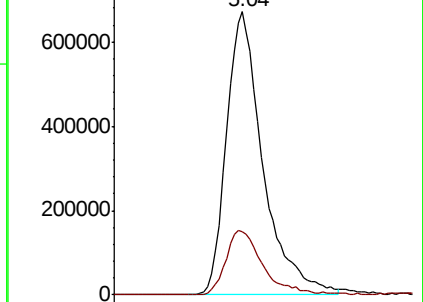
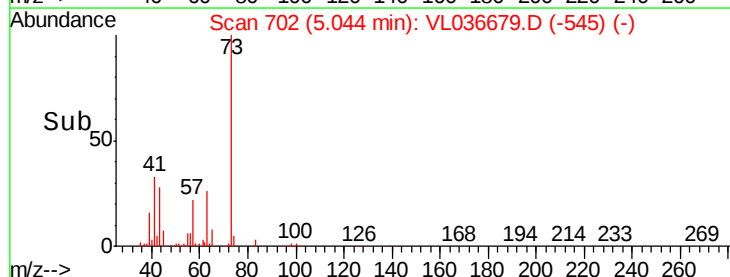
Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.5	27.7

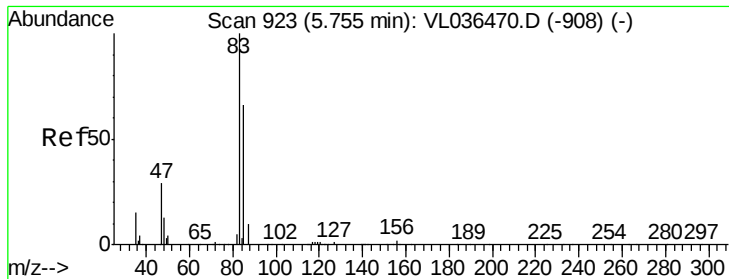


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

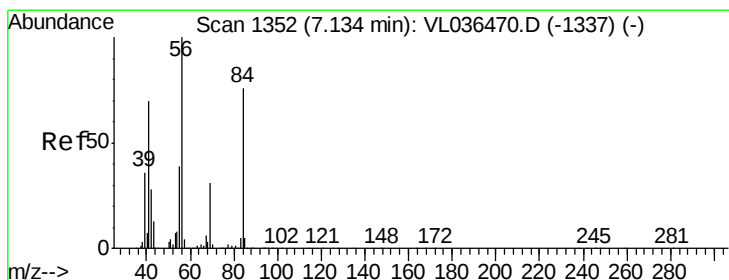
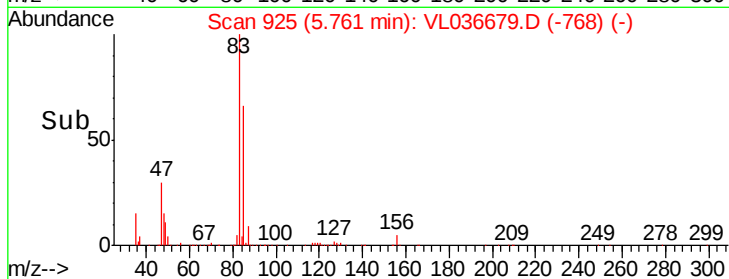
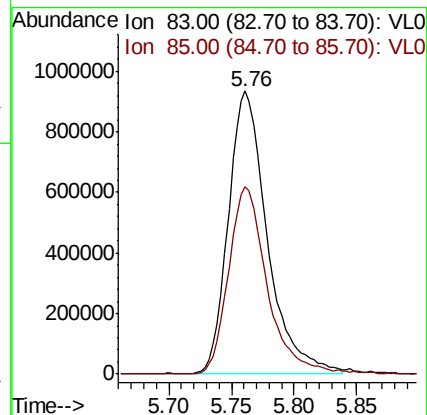
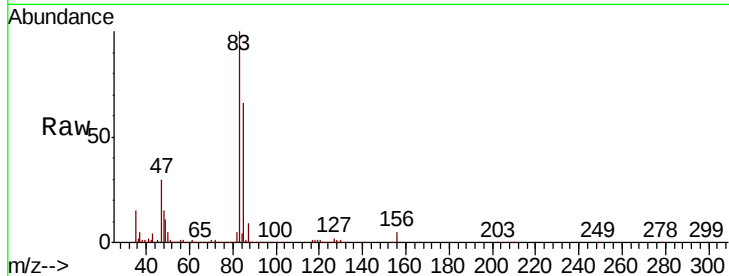




#29
Chloroform
Concen: 8.287 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

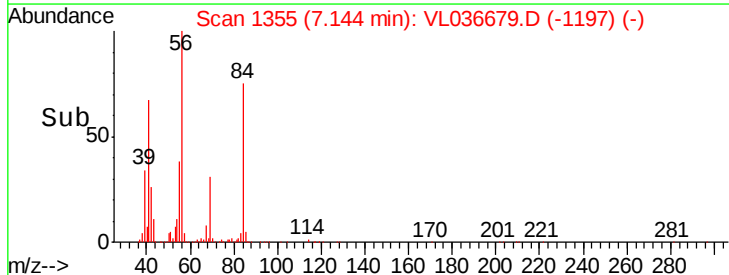
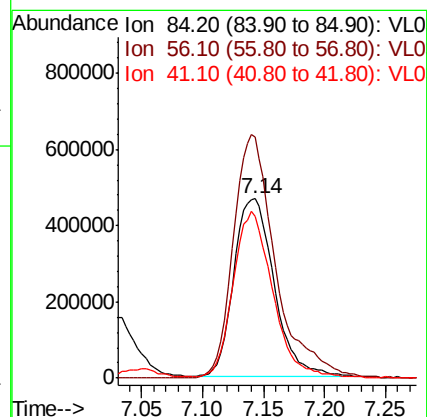
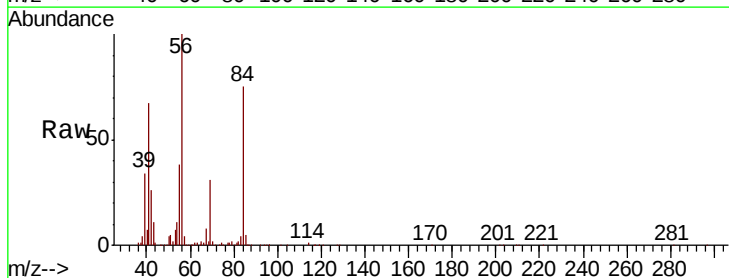
Instrument :
MSVOA_L
ClientSampled :

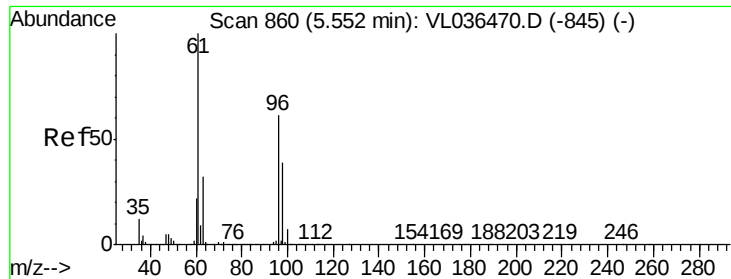
Tot Ion: 83 Resp: 2015352
Ion Ratio Lower Upper
83 100
85 65.9 52.6 78.8



#30
Cyclohexane
Concen: 8.732 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 84 Resp: 1076945
Ion Ratio Lower Upper
84 100
56 143.5 114.6 171.8
41 92.6 75.3 112.9



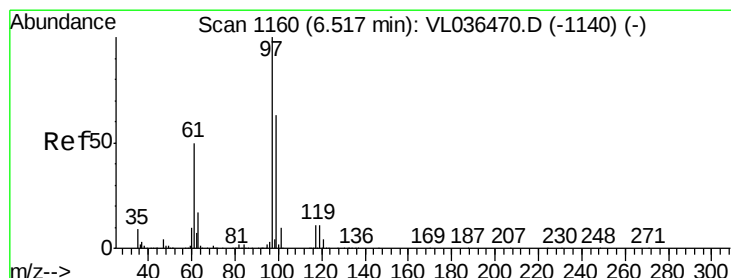
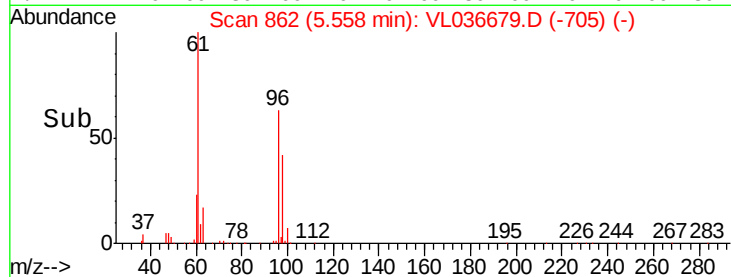
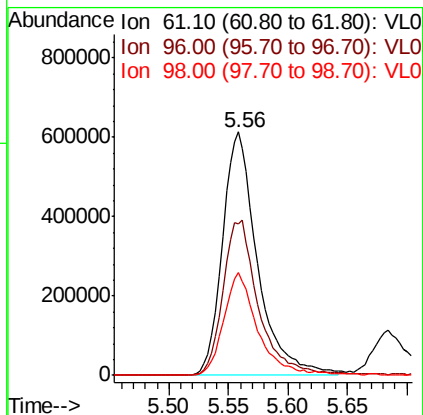
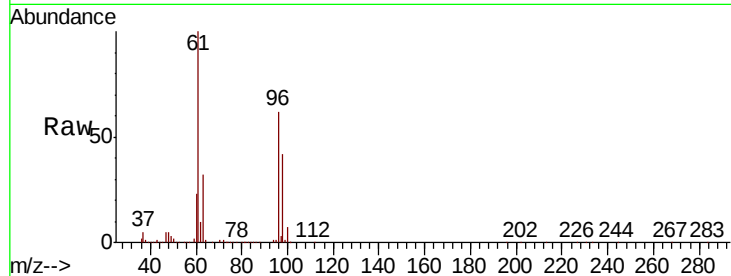


#31

cis-1,2-Dichloroethene
 Concen: 8.418 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :

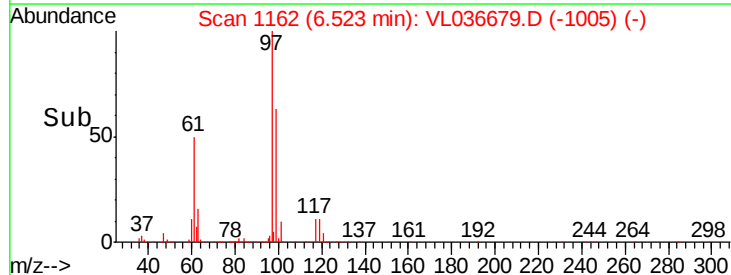
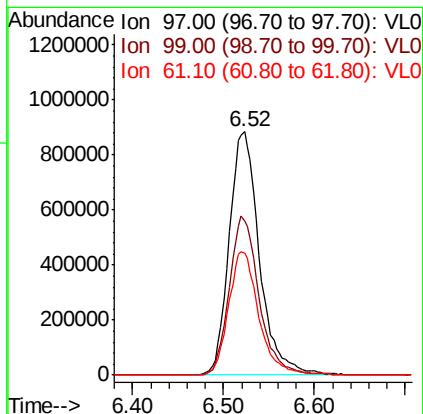
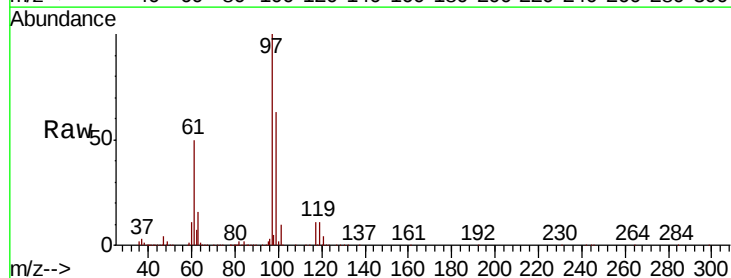
Tot Ion: 61 Resp: 1238231
 Ion Ratio Lower Upper
 61 100
 96 62.3 48.7 73.1
 98 42.1 31.4 47.0

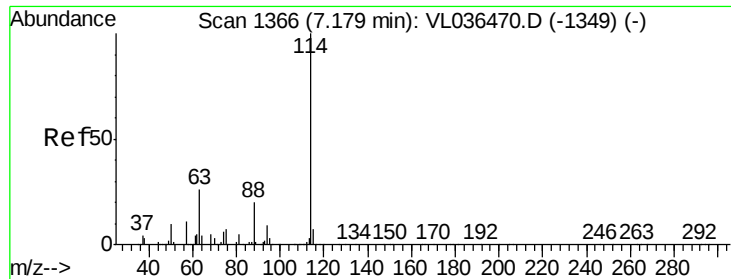


#32

1,1,1-Trichloroethane
 Concen: 8.351 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion: 97 Resp: 2046738
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.0
 61 50.4 40.6 60.8

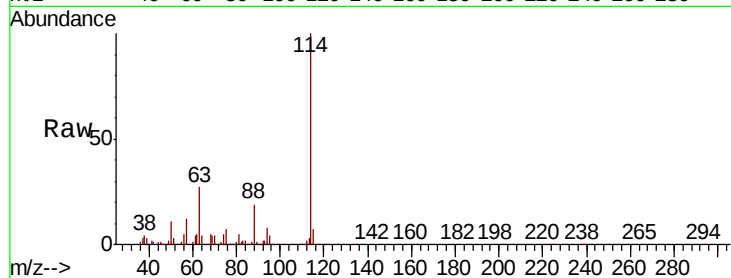




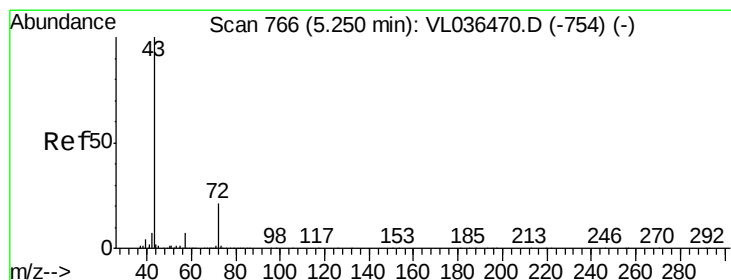
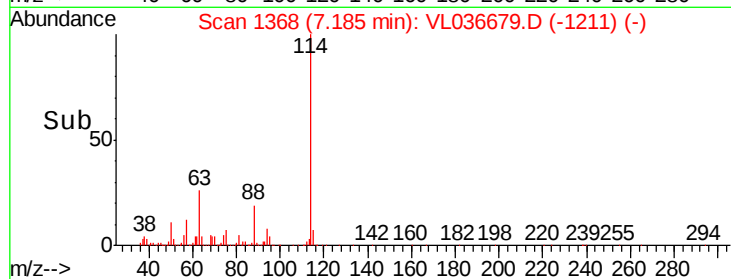
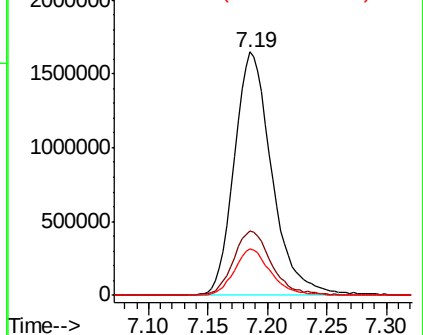
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3600015
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.4 33.6
 88 18.7 15.4 23.0

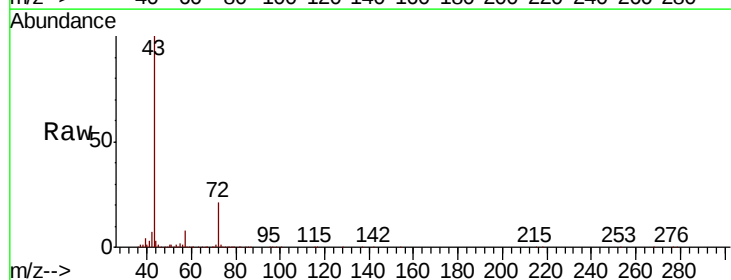


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

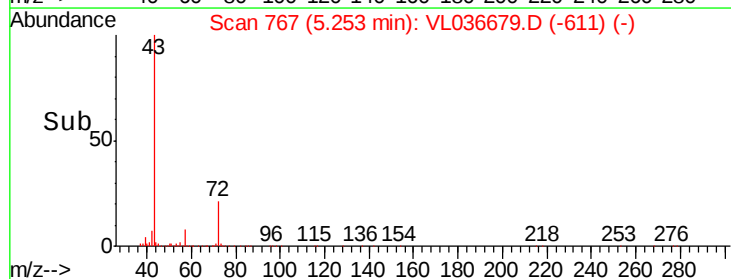
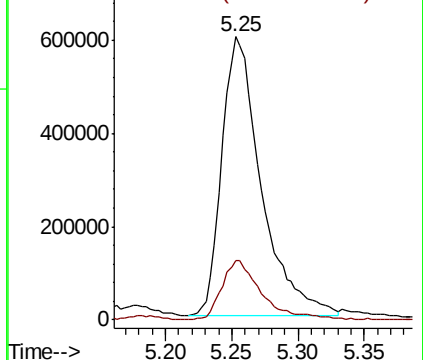


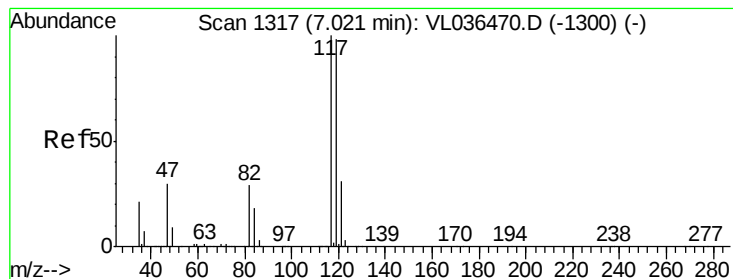
#34
 2-Butanone
 Concen: 7.082 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion: 43 Resp: 1244548
 Ion Ratio Lower Upper
 43 100
 72 21.9 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: 7.743 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

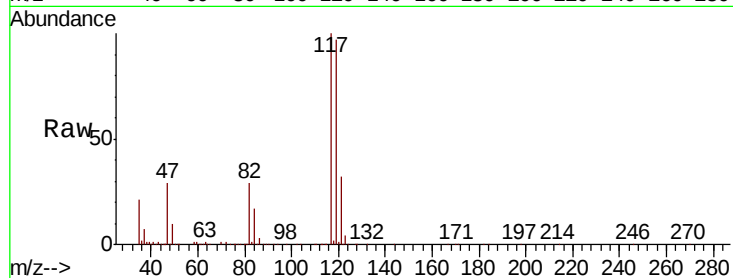
Tot Ion:117 Resp: 2140933

Ion Ratio Lower Upper

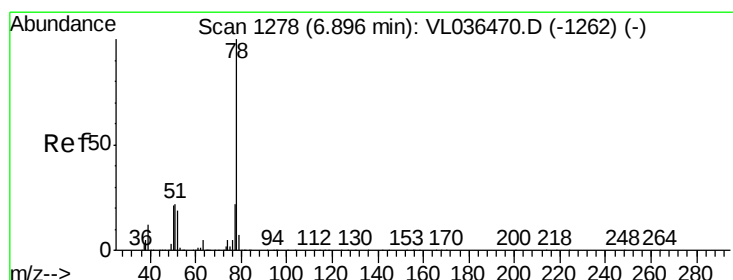
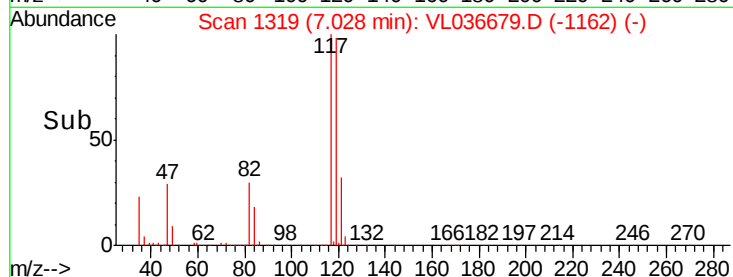
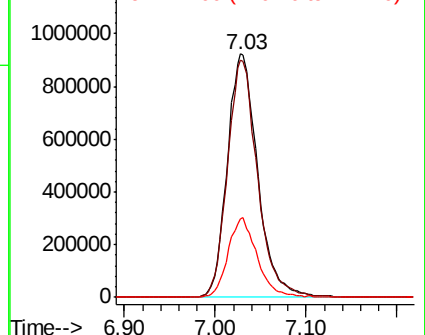
117 100

119 97.3 78.2 117.2

121 32.0 24.5 36.7



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



#36

Benzene

Concen: 7.998 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

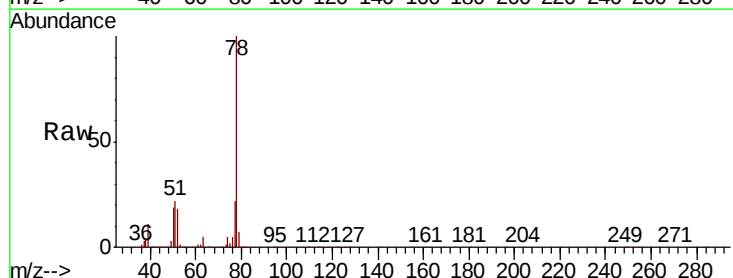
Tgt Ion: 78 Resp: 2655395

Ion Ratio Lower Upper

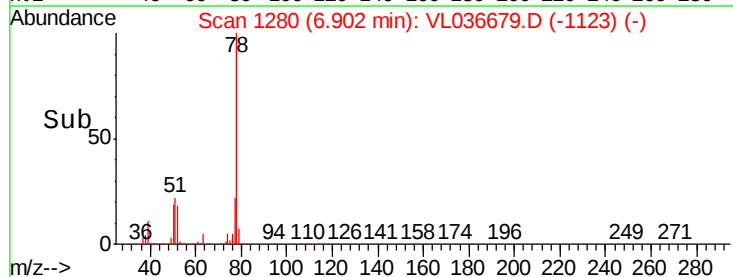
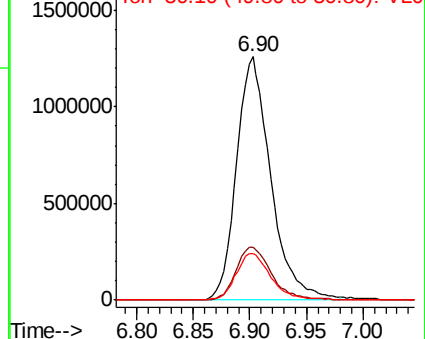
78 100

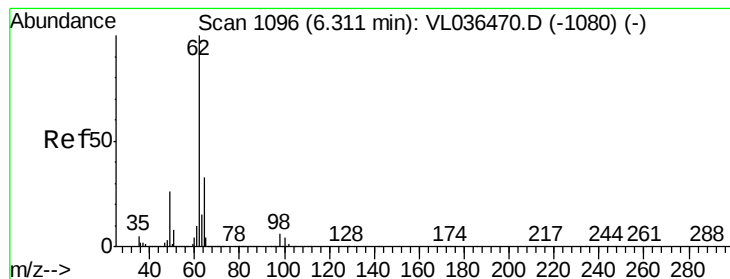
77 21.8 18.0 27.0

50 19.0 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: 7.749 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

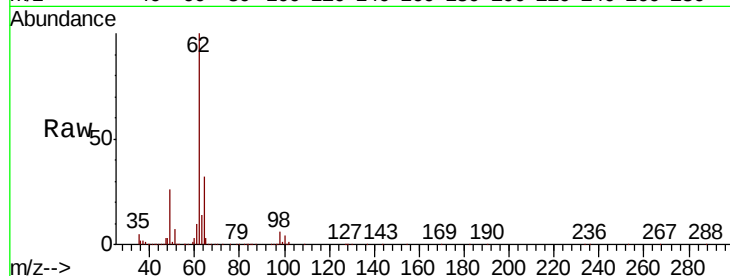
ClientSampleId :

Tot Ion: 62 Resp: 1514317

Ion Ratio Lower Upper

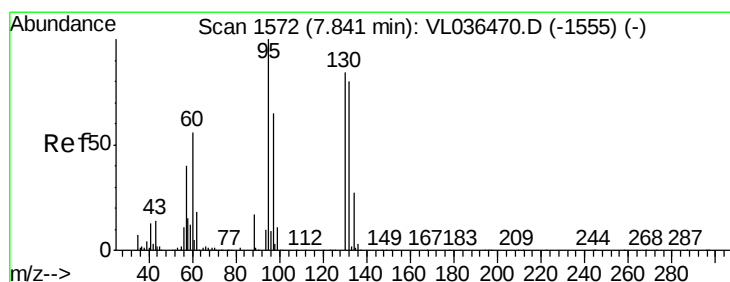
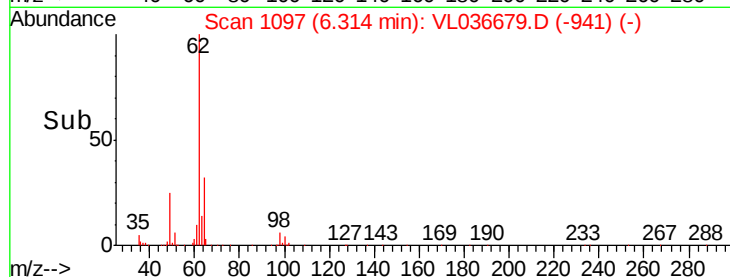
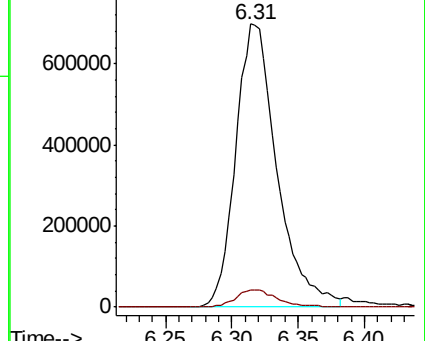
62 100

98 6.3 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 7.570 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion: 130 Resp: 978091

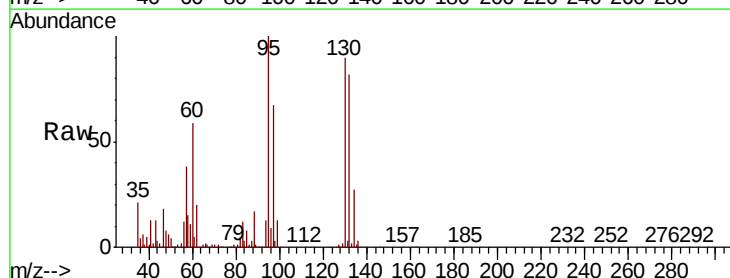
Ion Ratio Lower Upper

130 100

95 111.2 95.7 143.5

132 91.9 76.2 114.4

97 75.1 61.8 92.6

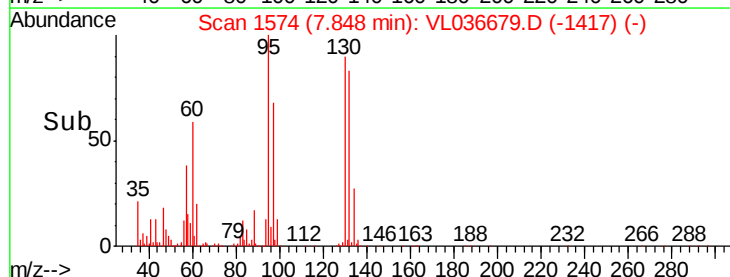
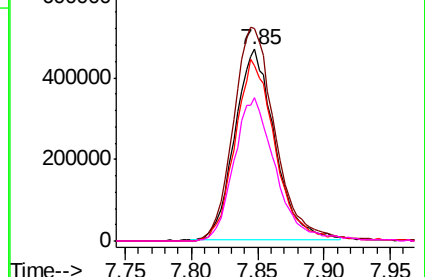


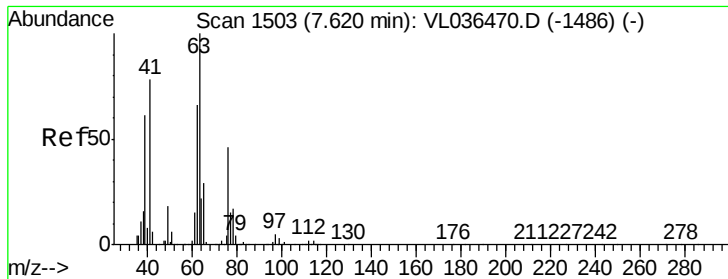
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



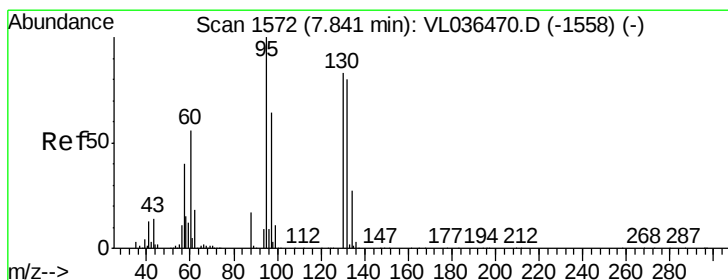
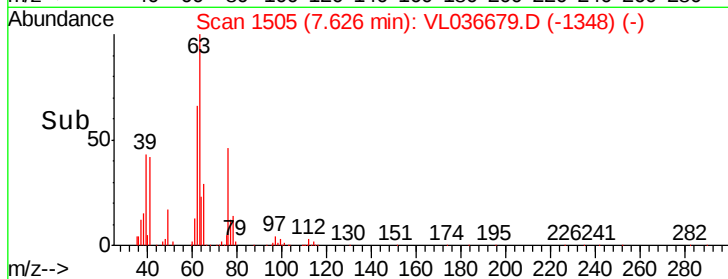
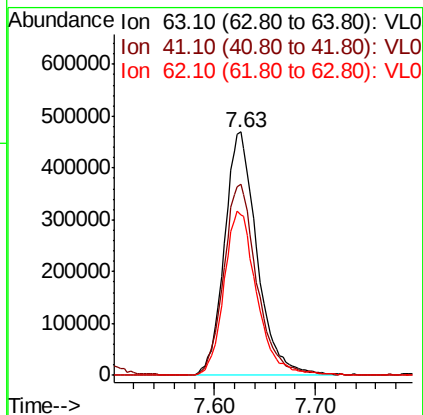
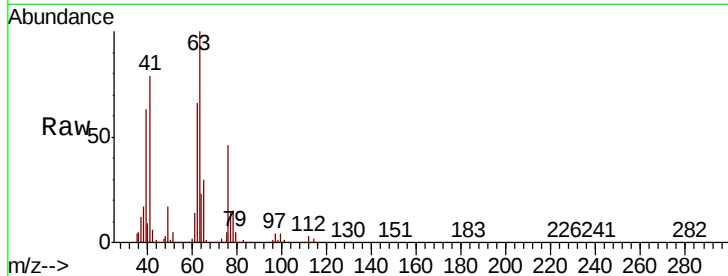


#39
 1,2-Dichloropropane
 Concen: 7.794 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1049685

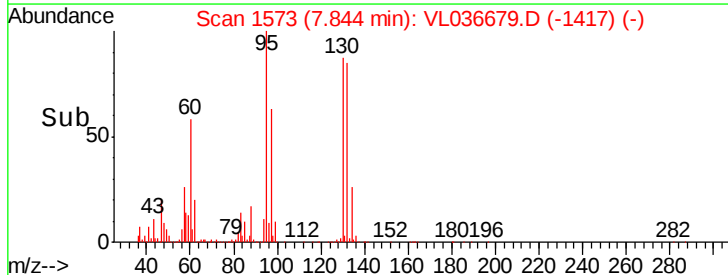
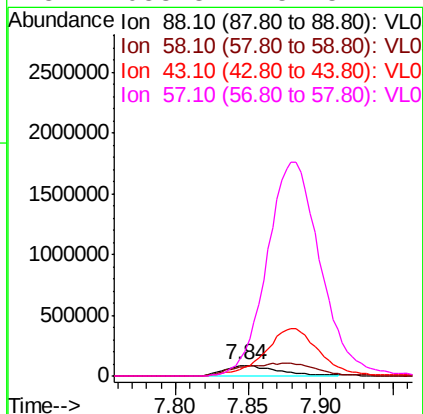
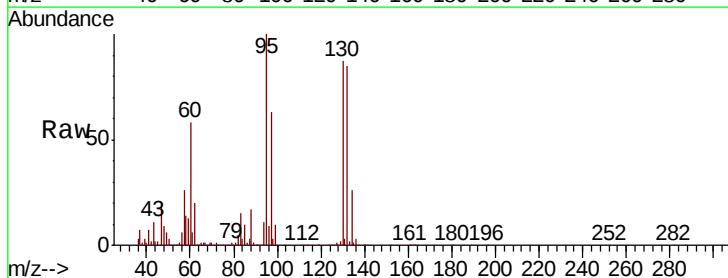
Ion	Ratio	Lower	Upper
63	100		
41	78.5	62.4	93.6
62	65.6	52.8	79.2

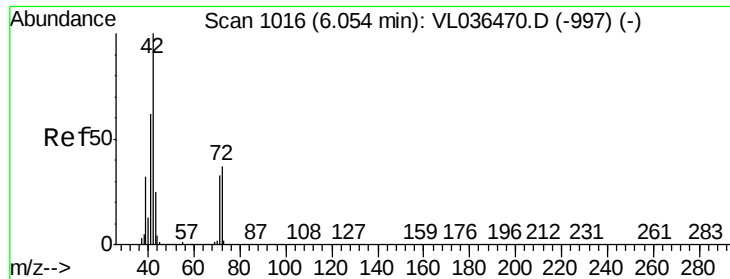


#40
 1,4-Dioxane
 Concen: 7.060 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion: 88 Resp: 221297

Ion	Ratio	Lower	Upper
88	100		
58	176.1	134.1	201.1
43	464.0	346.6	520.0
57	2053.8	1481.8	2222.8

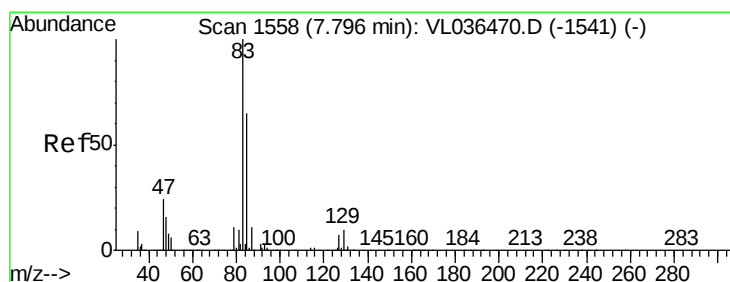
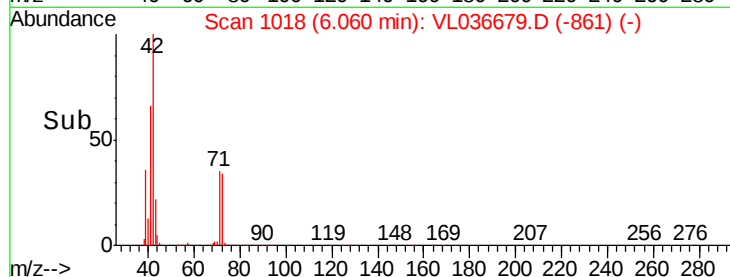
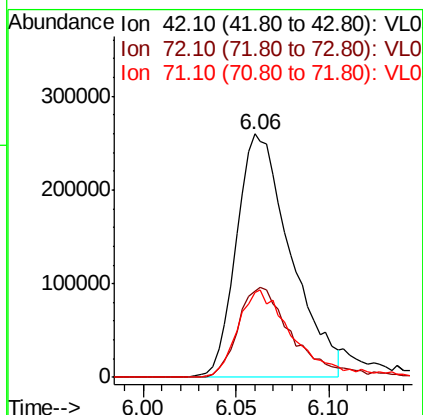
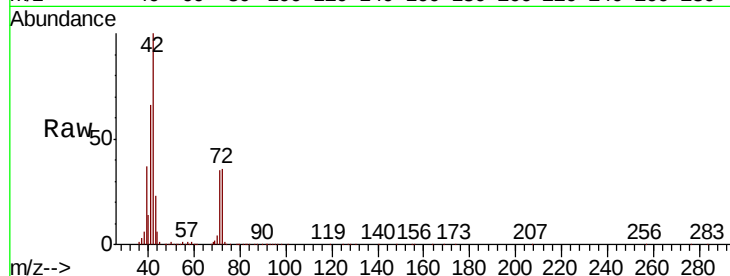




#41
Tetrahydrofuran
Concen: 6.518 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

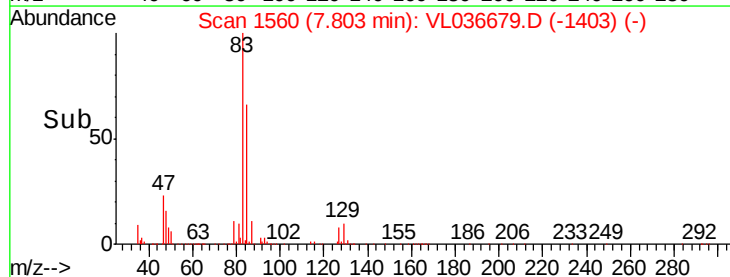
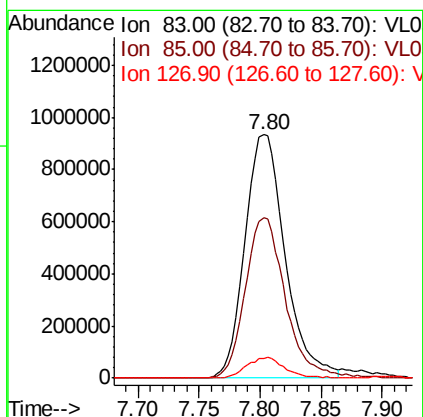
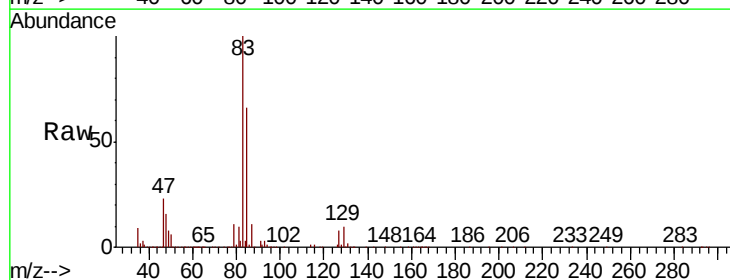
Instrument :
MSVOA_L
ClientSampleId :

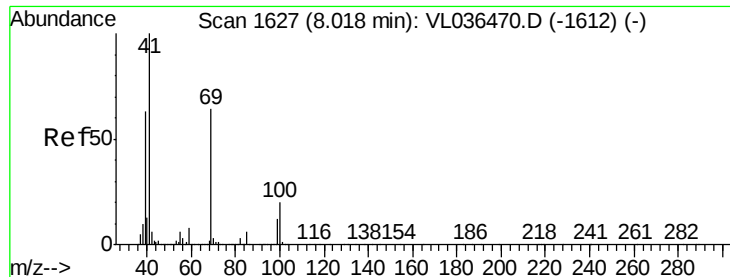
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	27.6	41.4
71	38.0	27.0	40.4



#42
Bromodichloromethane
Concen: 8.007 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.6
127	8.3	5.8	8.8





#43

Methvl Methacrylate

Concen: 9.029 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.01 min

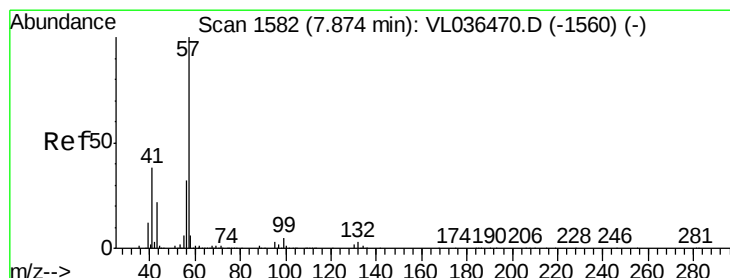
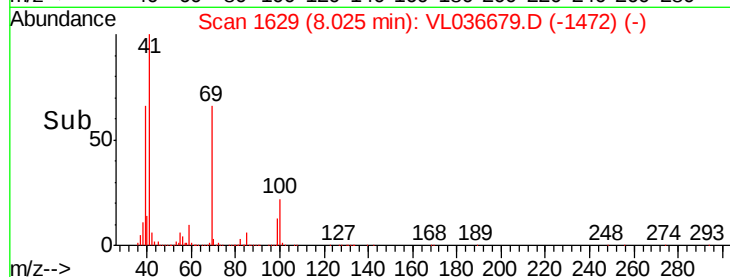
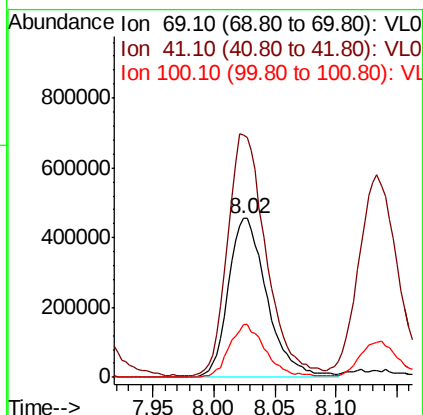
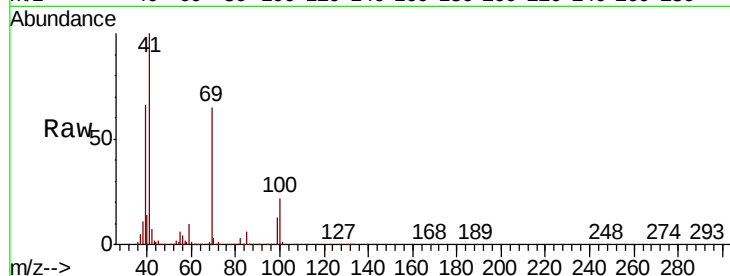
Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1006622

Ion	Ratio	Lower	Upper
69	100		
41	152.9	126.8	190.2
100	31.7	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 7.764 ppbv

RT: 7.88 min Scan# 1584

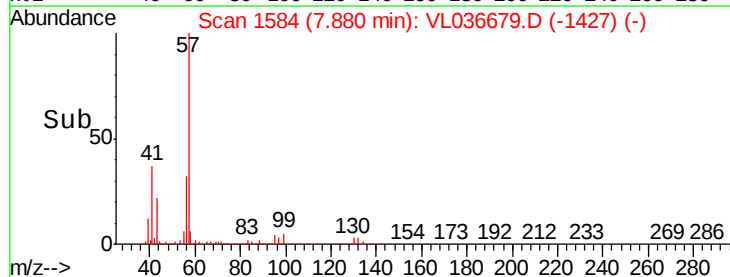
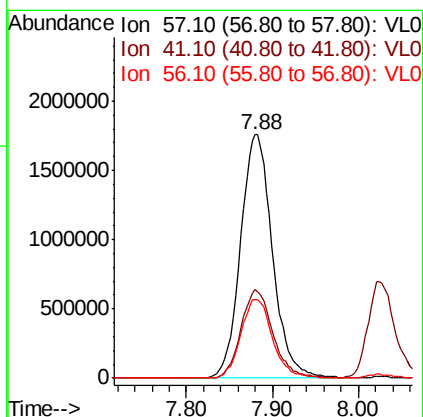
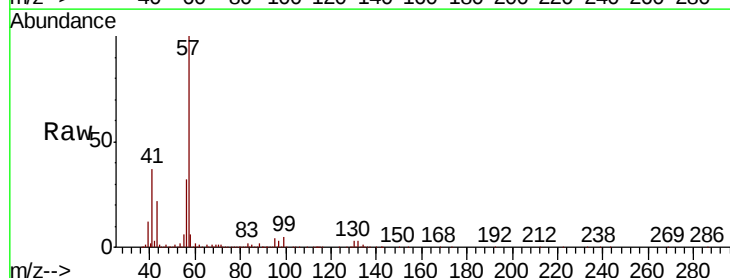
Delta R.T. 0.01 min

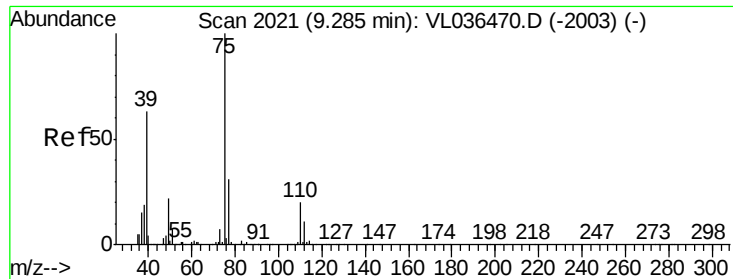
Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion: 57 Resp: 4537007

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.8	43.2
56	32.2	26.1	39.1

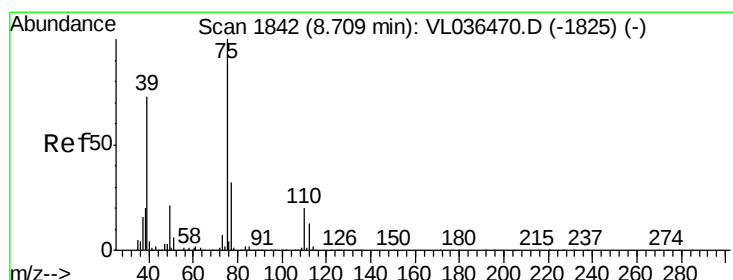
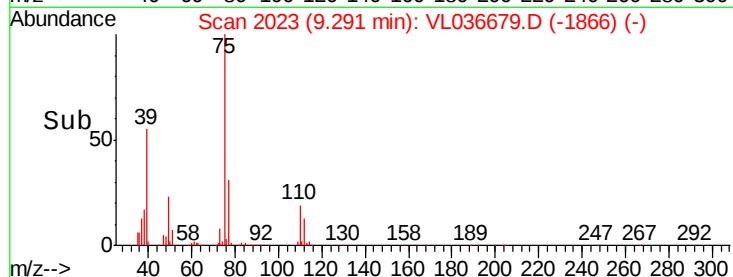
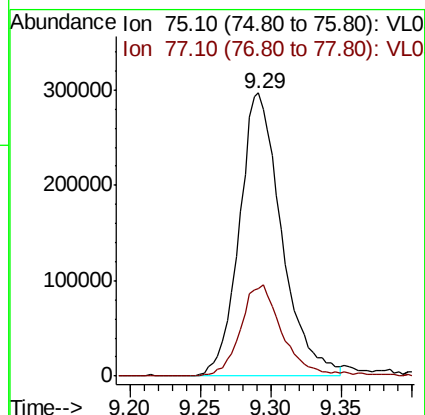
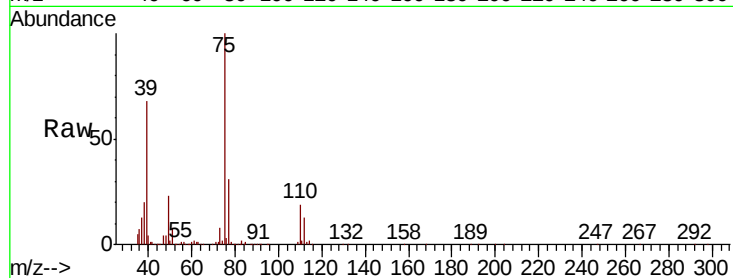




#45
t-1,3-Dichloropropene
Concen: 4.879 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

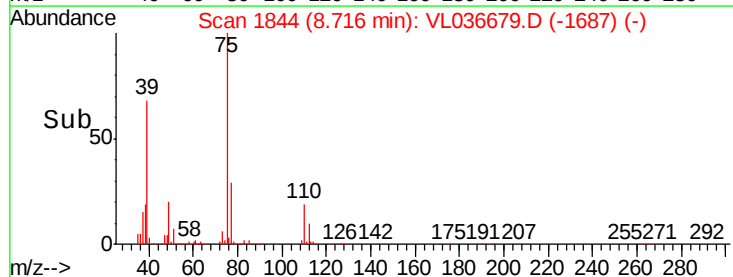
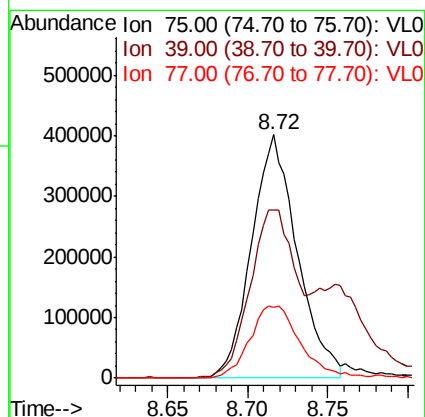
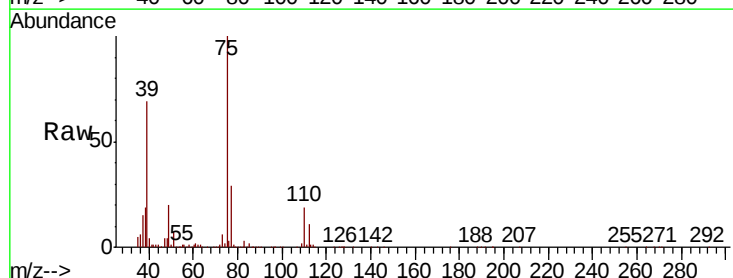
Instrument :
MSVOA_L
ClientSampleId :

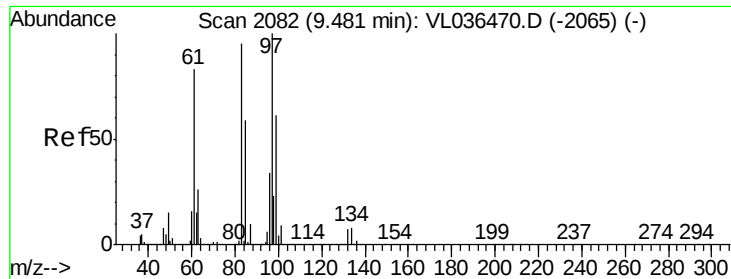
Tot Ion: 75 Resp: 621167
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 4.850 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 75 Resp: 789270
Ion Ratio Lower Upper
75 100
39 68.8 58.2 87.2
77 28.8 25.2 37.8

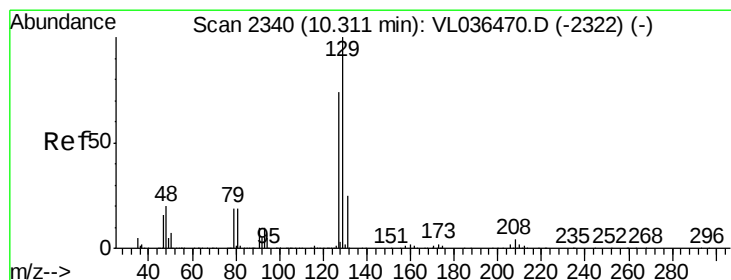
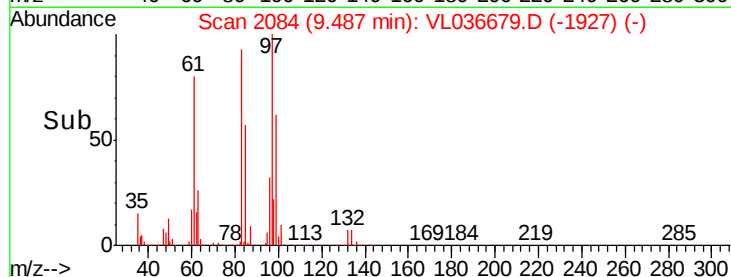
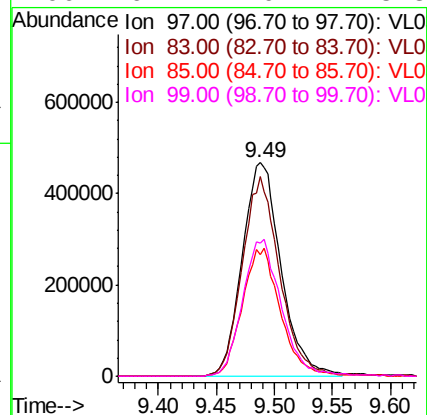
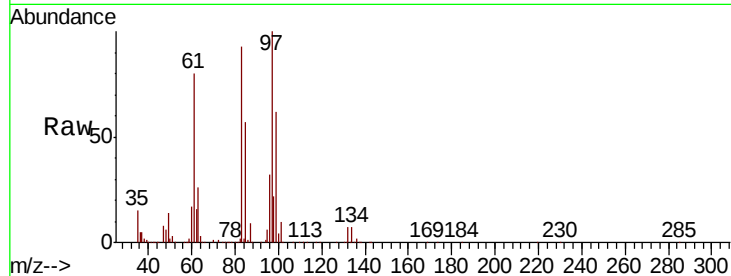




#47
 1,1,2-Trichloroethane
 Concen: 7.992 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

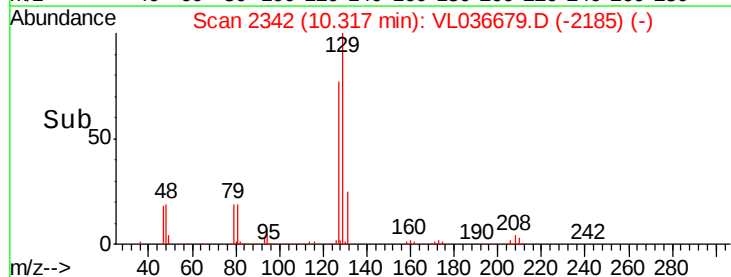
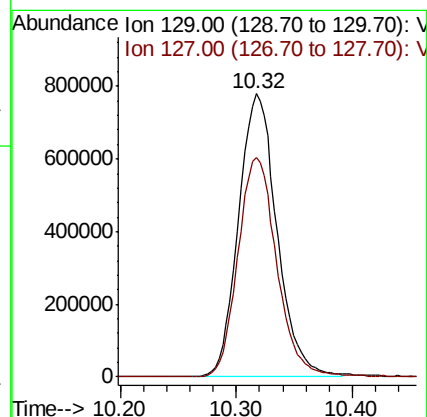
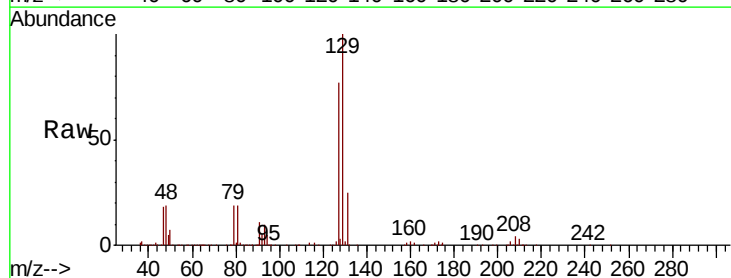
Instrument :
 MSVOA_L
 ClientSampleId :

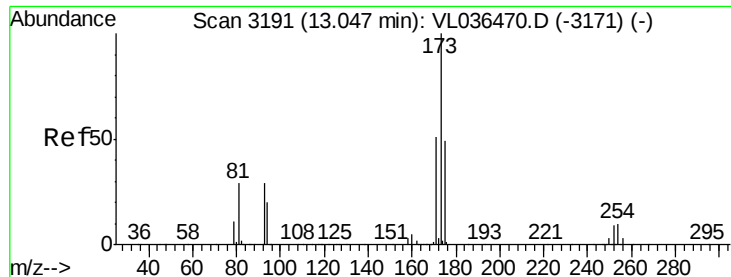
Tot Ion: 97 Resp: 1090259
 Ion Ratio Lower Upper
 97 100
 83 93.2 75.8 113.8
 85 56.7 47.1 70.7
 99 62.1 49.2 73.8



#48
 Dibromochloromethane
 Concen: 8.605 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion: 129 Resp: 1789500
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.6 118.8





#49

Bromoform

Concen: 8.793 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

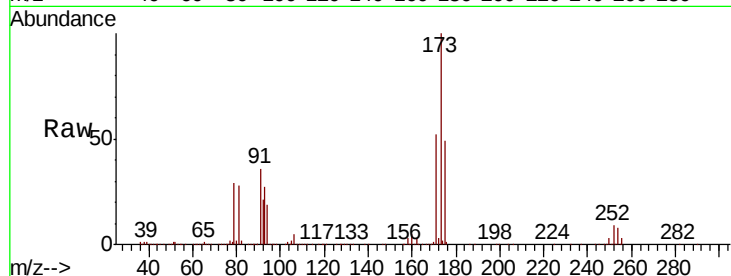
Tot Ion:173 Resp: 1473272

Ion Ratio Lower Upper

173 100

175 50.4 39.6 59.4

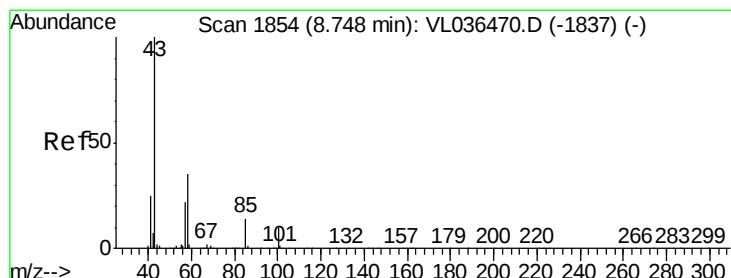
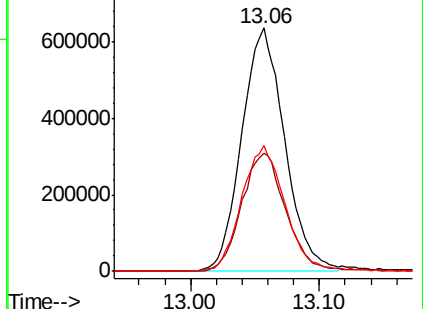
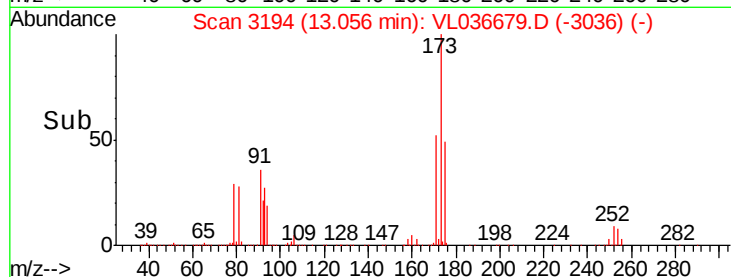
171 52.4 41.4 62.0



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: 7.742 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL036679.D

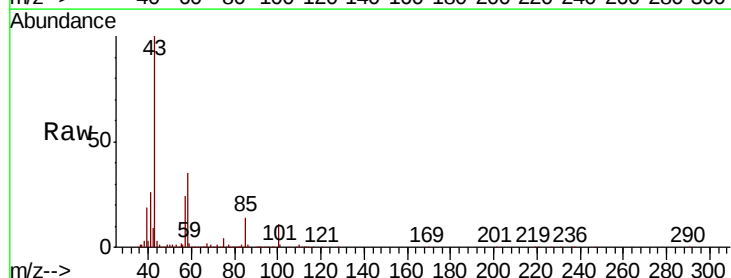
Acq: 5 Apr 2021 18:09

Tgt Ion: 43 Resp: 1968567

Ion Ratio Lower Upper

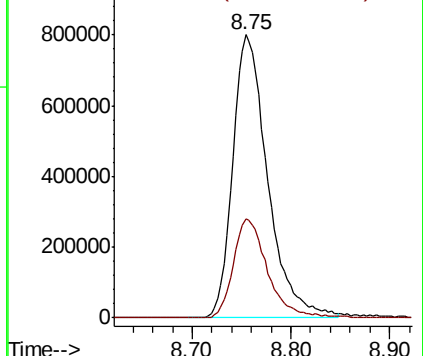
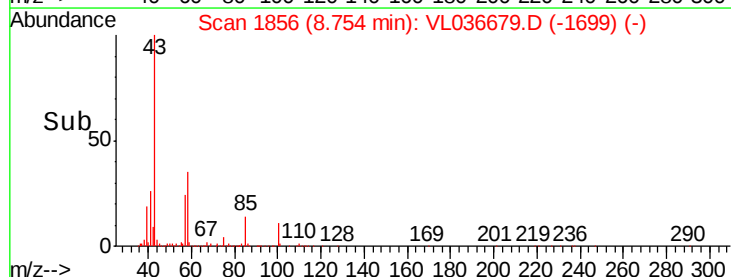
43 100

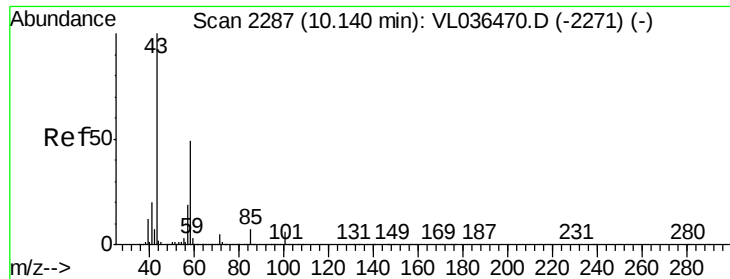
58 34.6 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

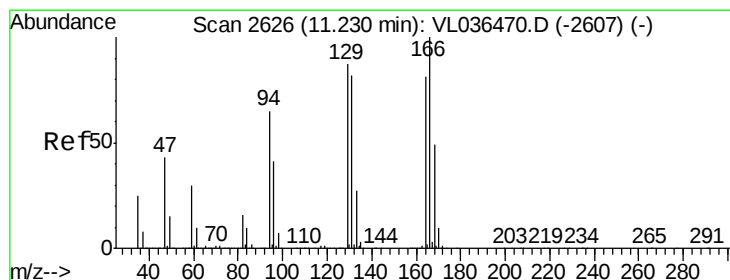
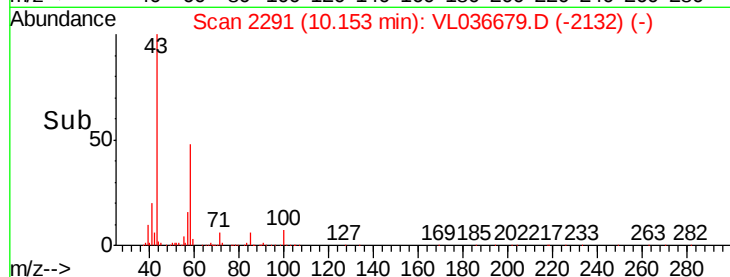
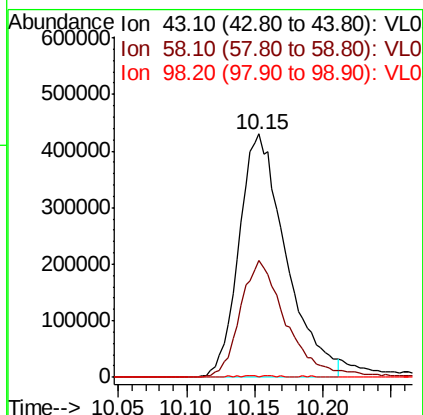
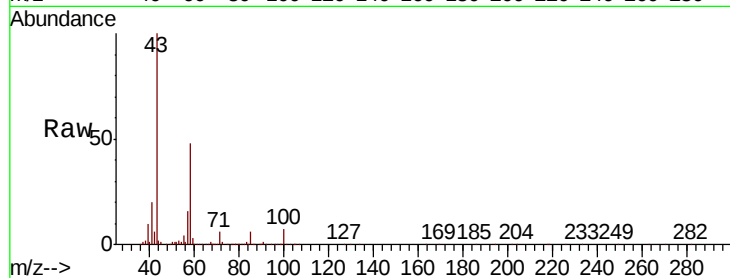




#51
2-Hexanone
Concen: 7.974 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

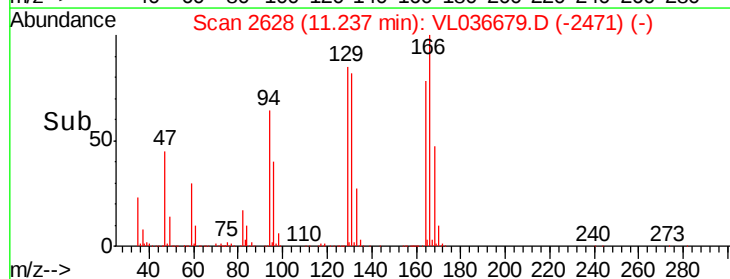
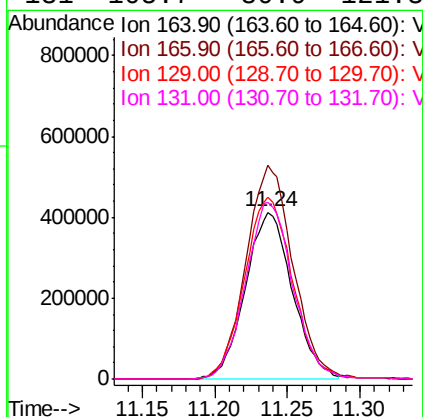
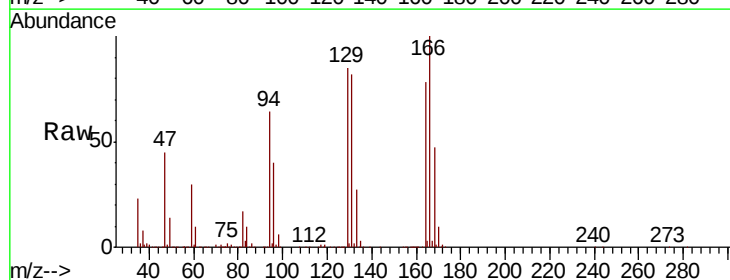
Instrument :
MSVOA_L
ClientSampled :

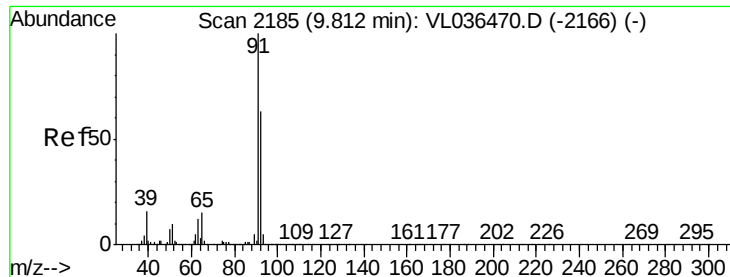
Tot Ion: 43 Resp: 1023219
Ion Ratio Lower Upper
43 100
58 48.3 37.7 56.5
98 0.9 0.2 0.2#



#52
Tetrachloroethene
Concen: 7.591 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 164 Resp: 928133
Ion Ratio Lower Upper
164 100
166 128.1 98.3 147.5
129 108.8 85.8 128.8
131 105.7 80.9 121.3





#53

Toluene

Concen: 8.446 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

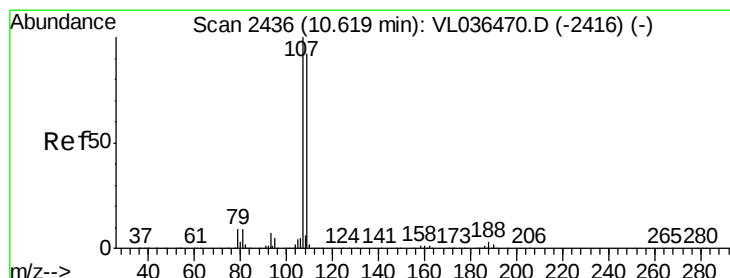
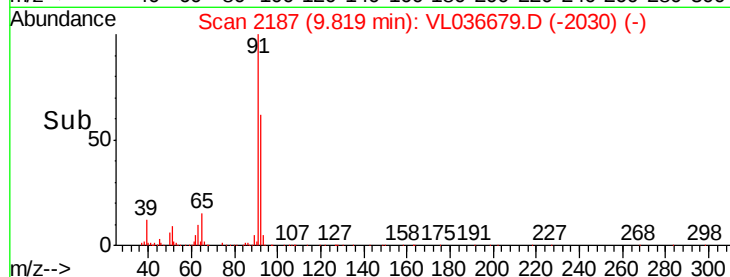
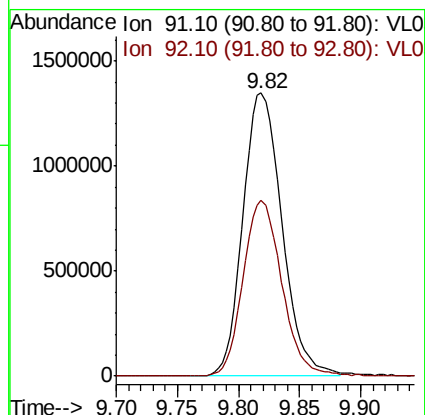
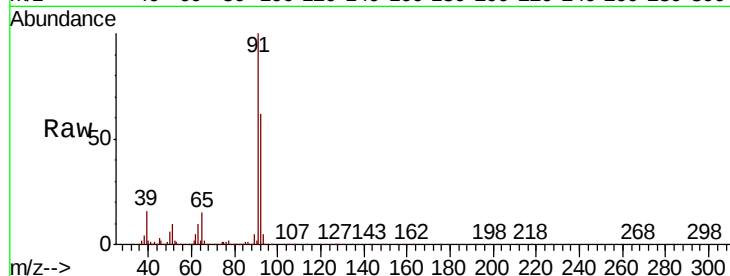
ClientSampleId :

Tot Ion: 91 Resp: 2986459

Ion Ratio Lower Upper

91 100

92 61.8 48.8 73.2



#54

1,2-Dibromoethane

Concen: 7.980 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL036679.D

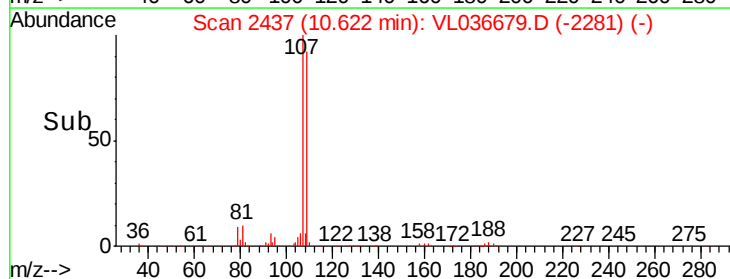
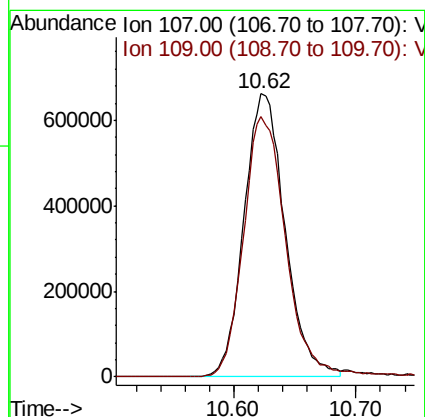
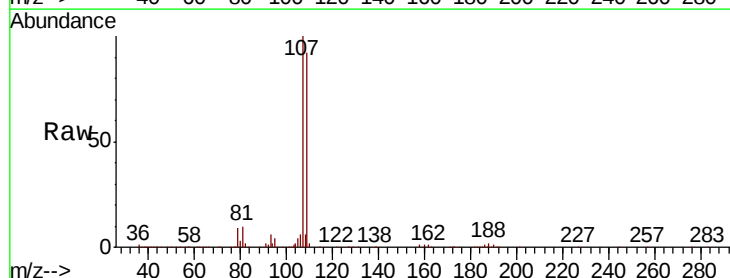
Acq: 5 Apr 2021 18:09

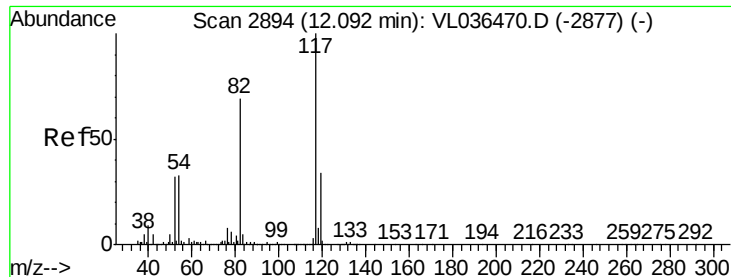
Tgt Ion: 107 Resp: 1537397

Ion Ratio Lower Upper

107 100

109 91.9 73.9 110.9

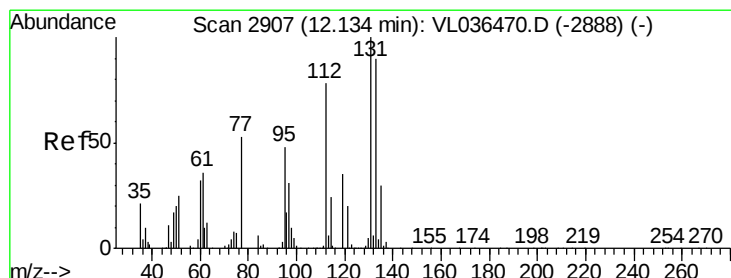
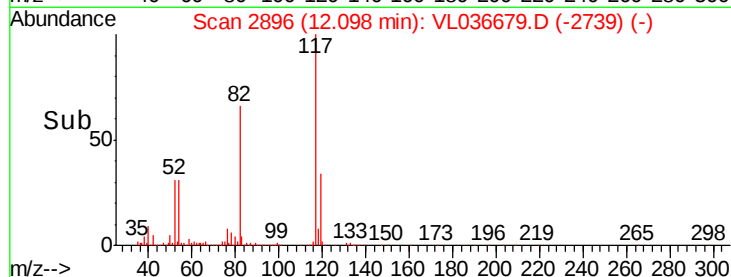
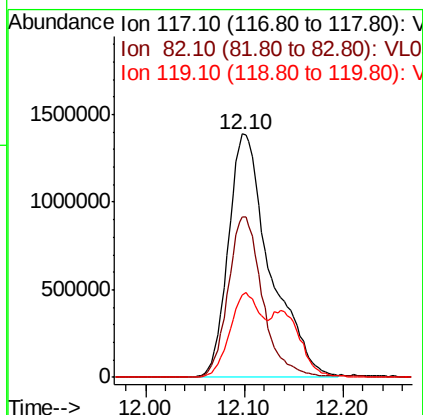
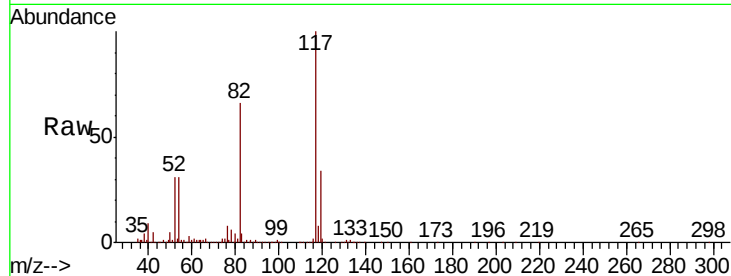




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

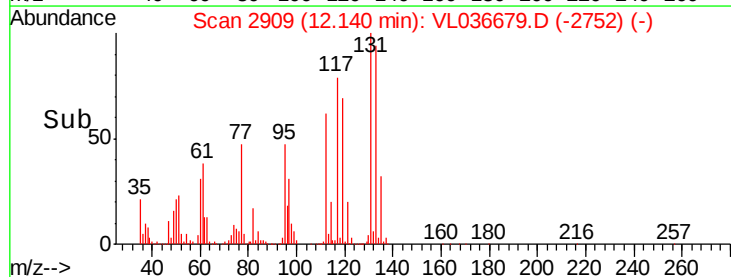
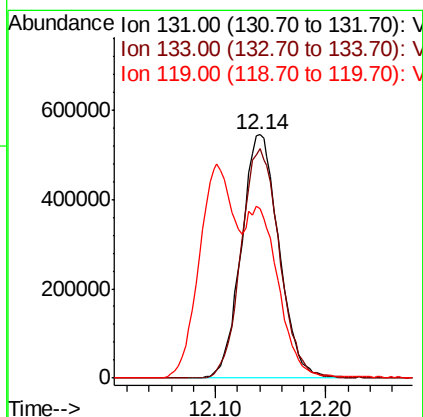
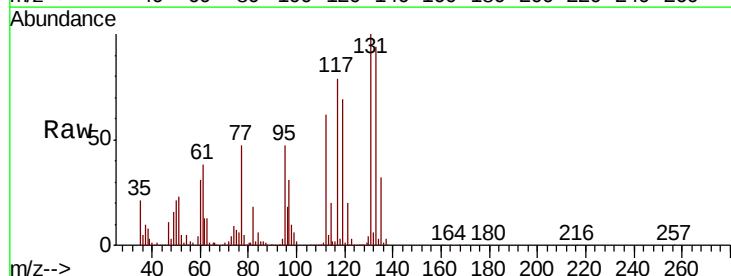
Instrument :
MSVOA_L
ClientSampled :

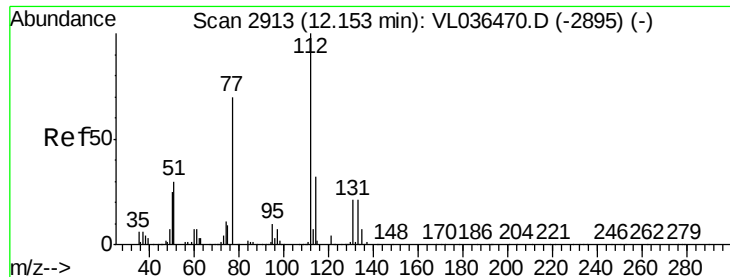
Tot Ion:117 Resp: 4088108
Ion Ratio Lower Upper
117 100
82 55.4 57.4 86.0#
119 46.4 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 6.948 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion:131 Resp: 1284759
Ion Ratio Lower Upper
131 100
133 96.4 75.8 113.6
119 147.9 48.7 73.1#





#57

Chlorobenzene

Concen: 6.512 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

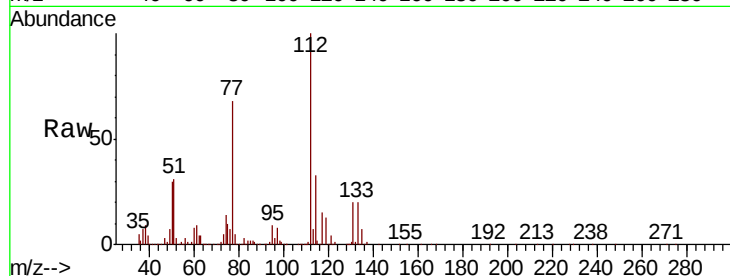
Tot Ion:112 Resp: 2265304

Ion Ratio Lower Upper

112 100

77 66.6 56.0 84.0

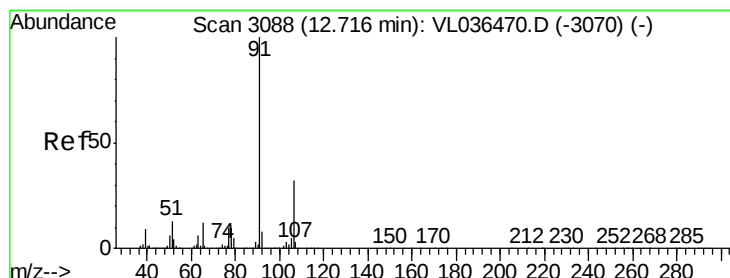
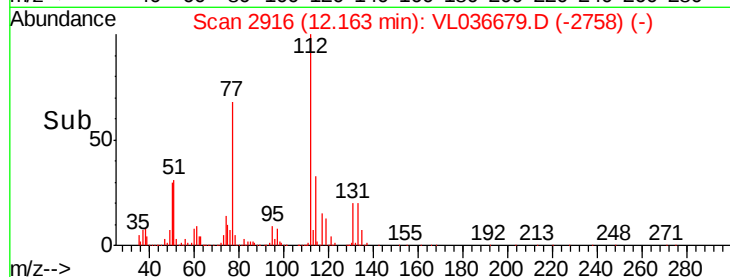
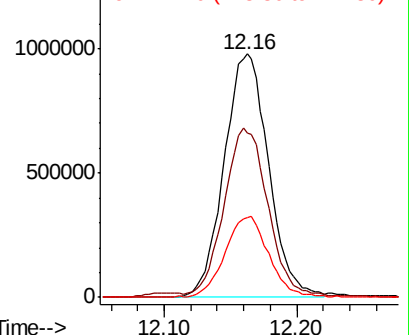
114 32.9 29.0 35.4



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: 6.908 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.01 min

Lab File: VL036679.D

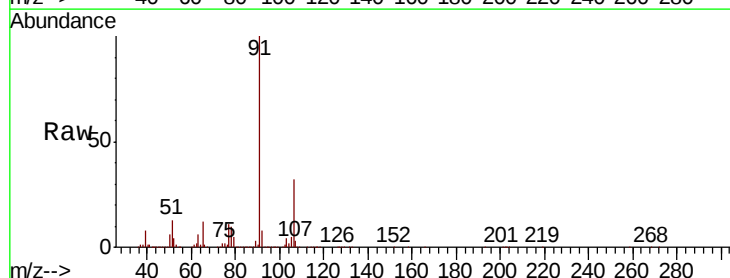
Acq: 5 Apr 2021 18:09

Tgt Ion: 91 Resp: 4108673

Ion Ratio Lower Upper

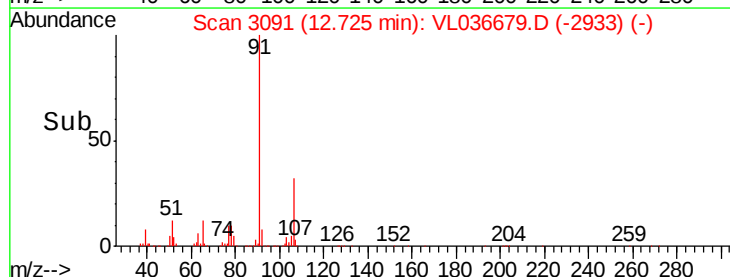
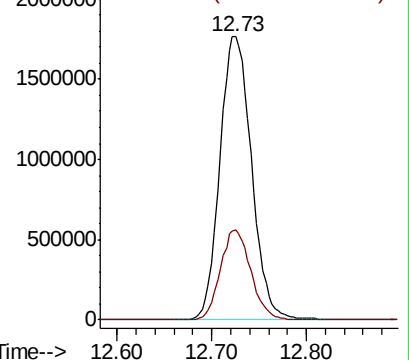
91 100

106 32.0 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

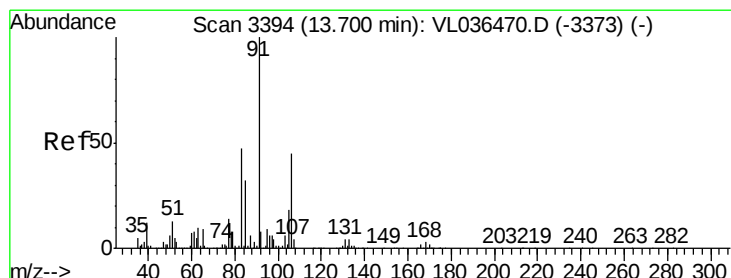
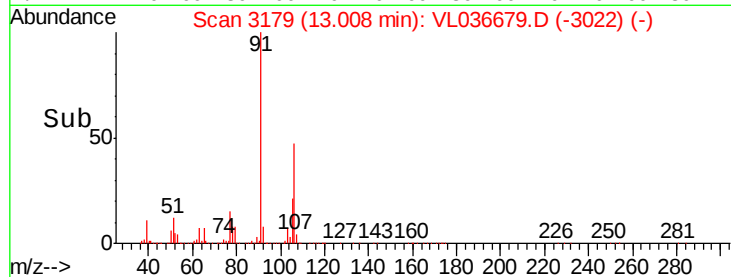
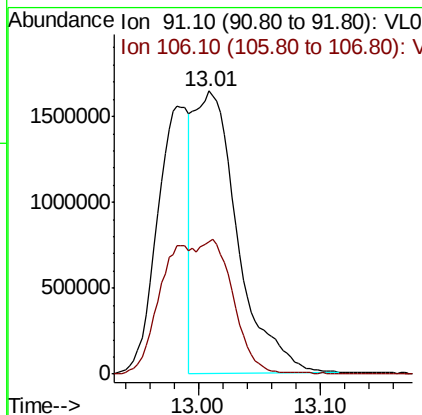
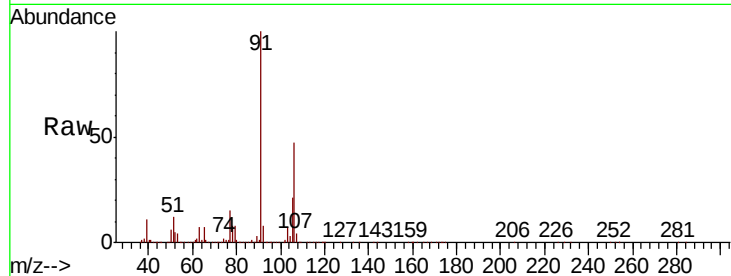




#59
m/p-Xylene
Concen: 7.907 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

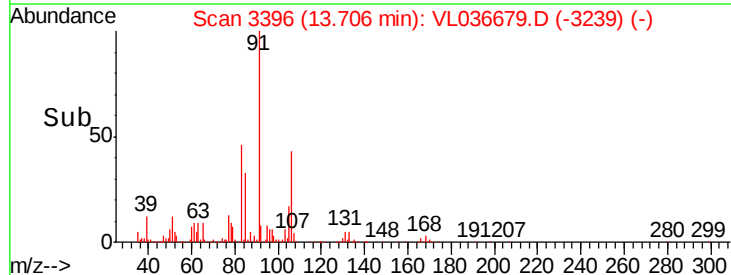
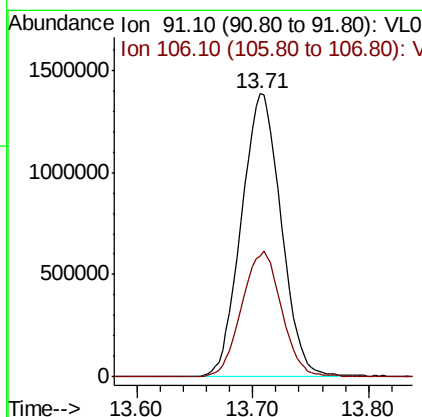
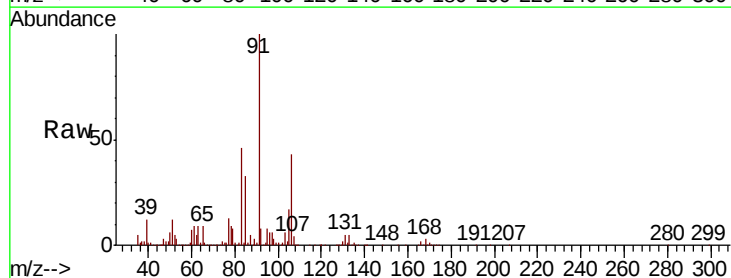
Instrument :
MSVOA_L
ClientSampleId :

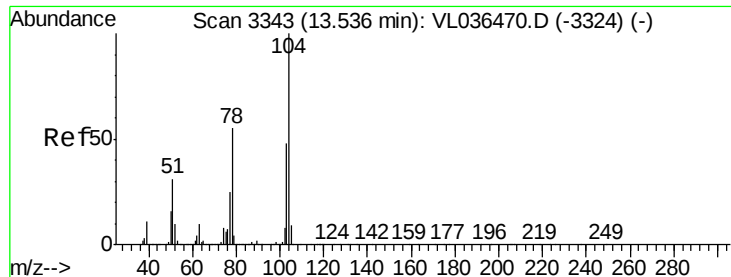
Tot Ion: 91 Resp: 4102067
Ion Ratio Lower Upper
91 100
106 75.6 35.3 52.9#



#60
o-Xylene
Concen: 6.582 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 91 Resp: 3301445
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





#61

Stvrene

Concen: 7.031 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

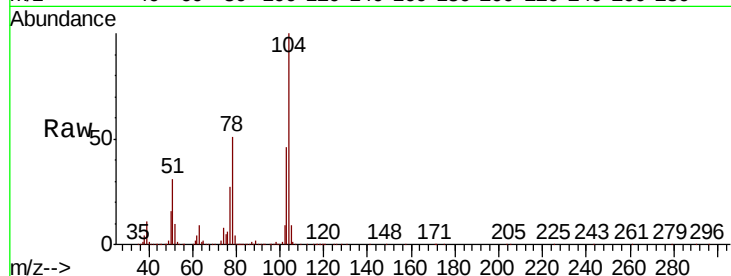
Tot Ion:104 Resp: 1774348

Ion Ratio Lower Upper

104 100

78 53.5 43.8 65.8

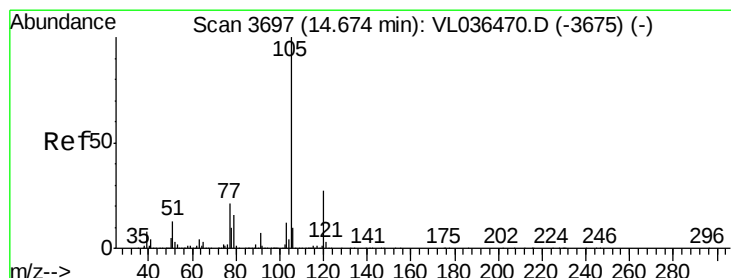
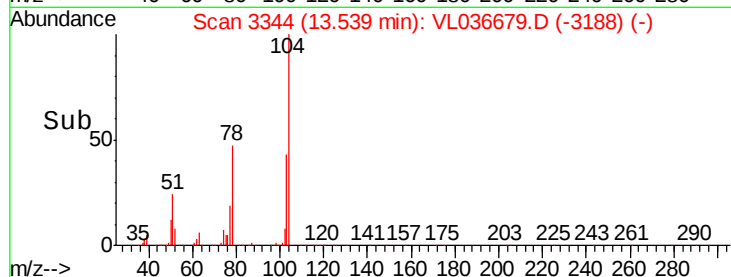
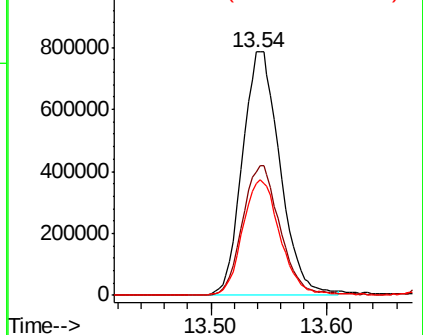
103 47.4 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 6.893 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.01 min

Lab File: VL036679.D

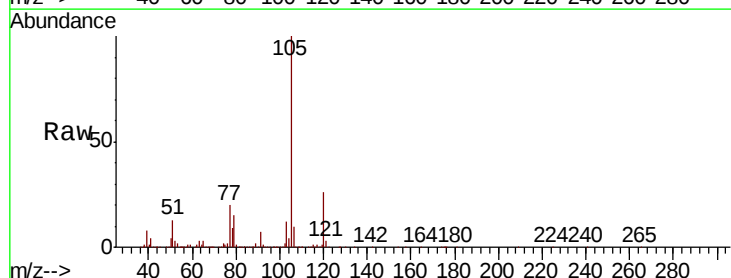
Acq: 5 Apr 2021 18:09

Tgt Ion:105 Resp: 4656376

Ion Ratio Lower Upper

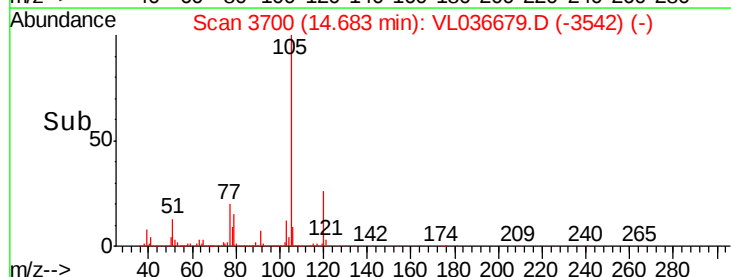
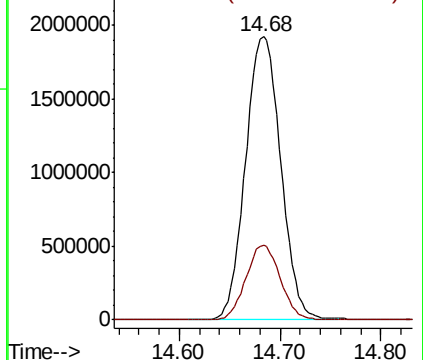
105 100

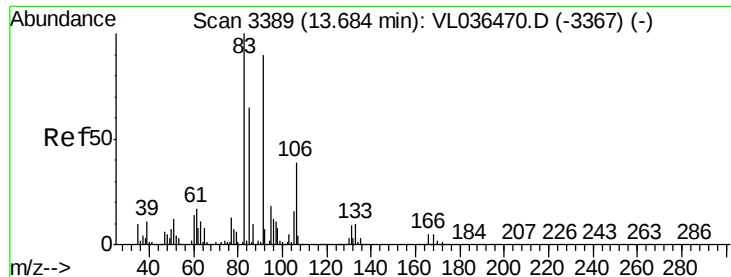
120 25.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

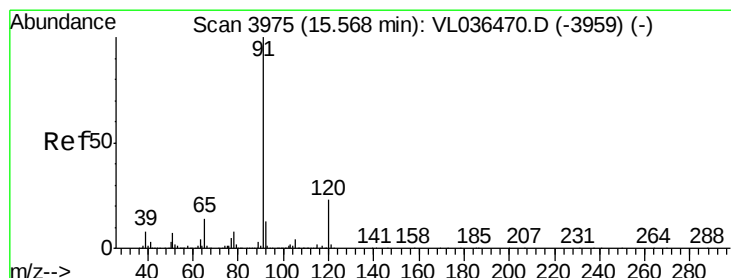
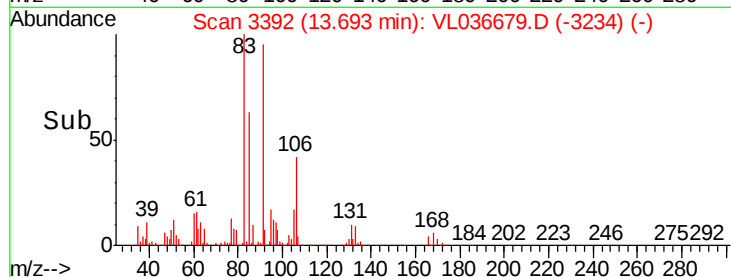
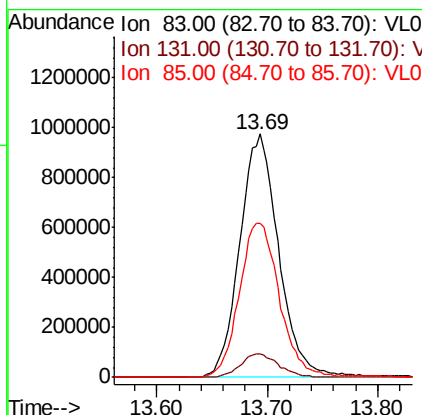
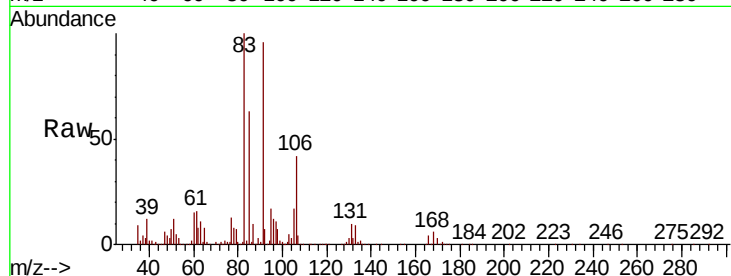




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.187 ppbv
 RT: 13.69 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

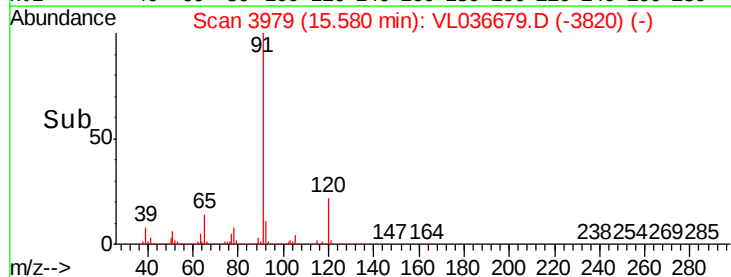
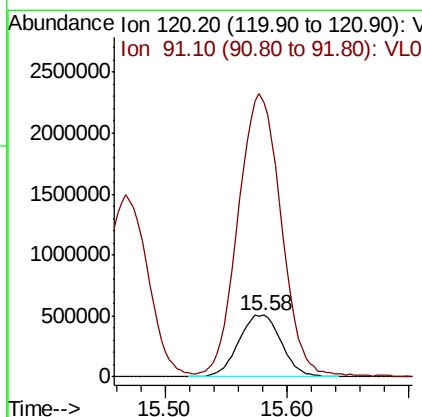
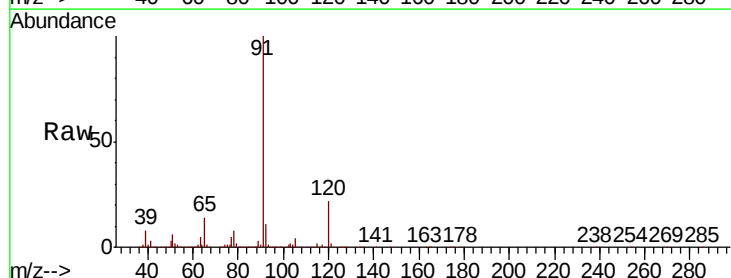
Instrument :
 MSVOA_L
 ClientSampleId :

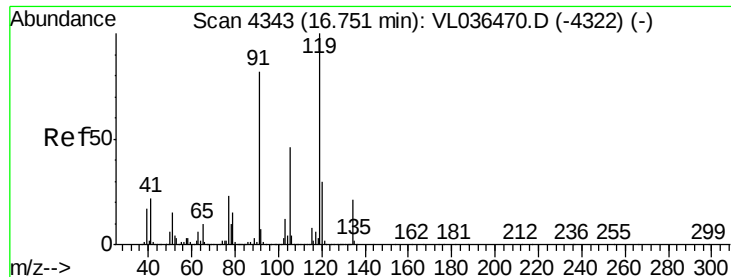
Tot Ion: 83 Resp: 2367422
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.7 14.0
 85 66.6 33.1 99.3



#64
 n-propylbenzene
 Concen: 7.401 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion: 120 Resp: 1222292
 Ion Ratio Lower Upper
 120 100
 91 466.7 377.4 566.2

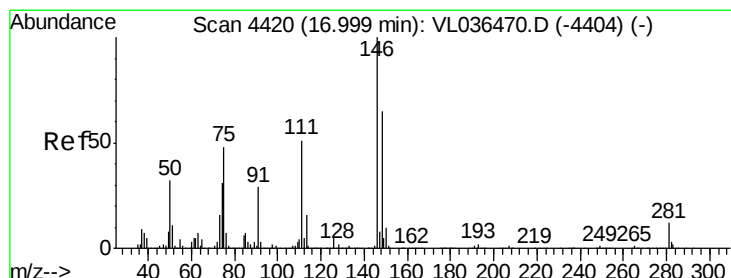
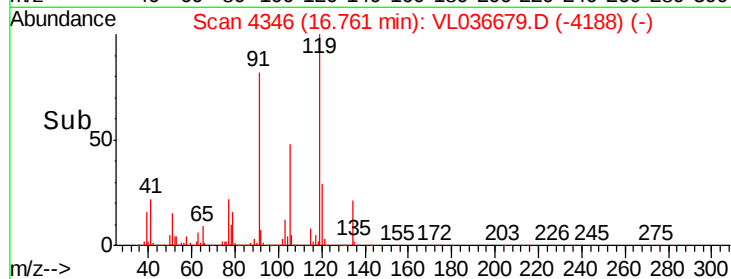
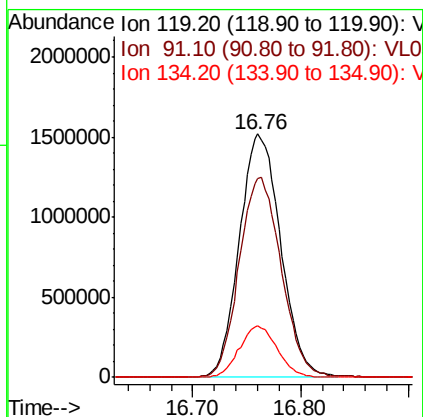
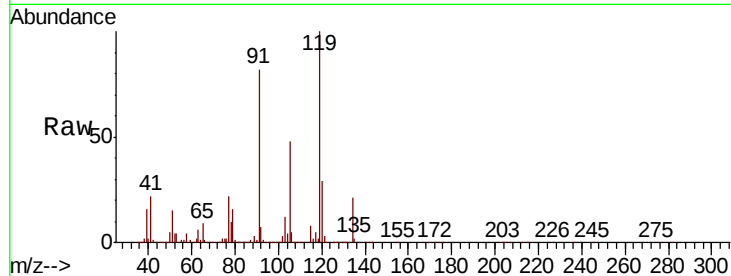




#65
tert-Butylbenzene
Concen: 6.909 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

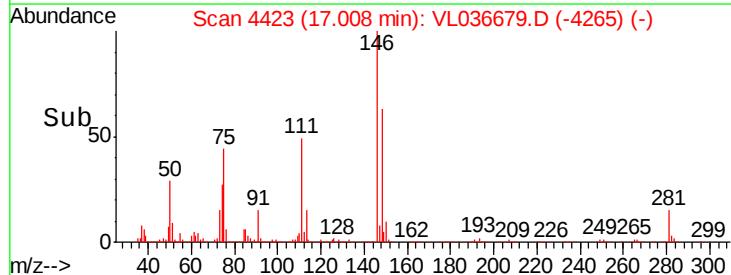
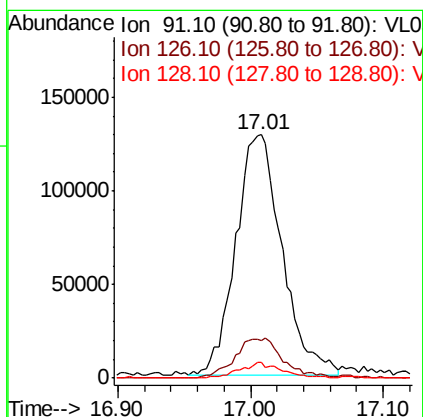
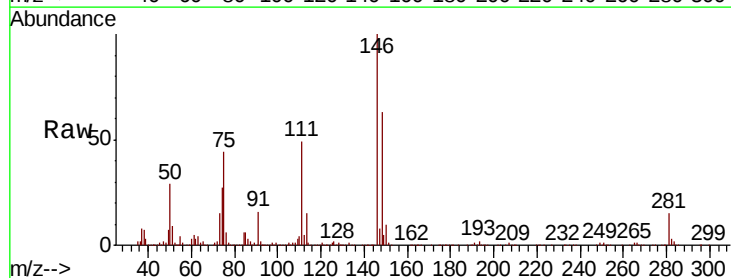
Instrument :
MSVOA_L
ClientSampleId :

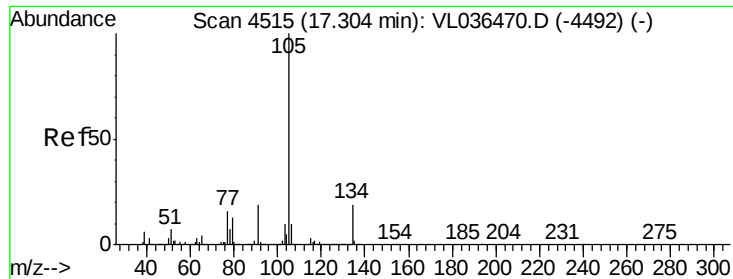
Tot Ion:119 Resp: 4046649
Ion Ratio Lower Upper
119 100
91 83.5 67.5 101.3
134 19.5 15.8 23.8



#66
Benzyl Chloride
Concen: 4.807 ppbv
RT: 17.01 min Scan# 4423
Delta R.T. 0.01 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion: 91 Resp: 311230
Ion Ratio Lower Upper
91 100
126 17.1 13.5 20.3
128 6.1 4.2 6.4





#67

sec-Butylbenzene

Concen: 6.880 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

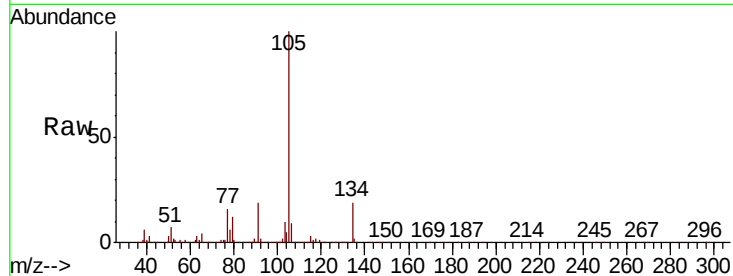
ClientSampleId :

Tot Ion:105 Resp: 5688564

Ion Ratio Lower Upper

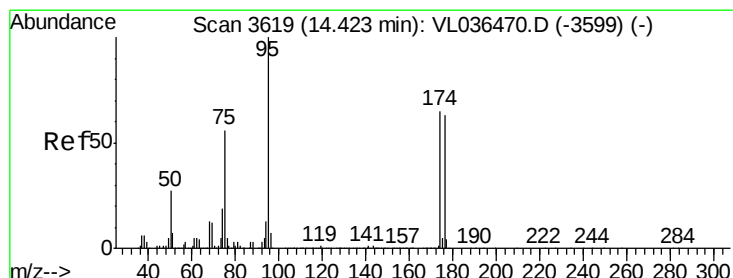
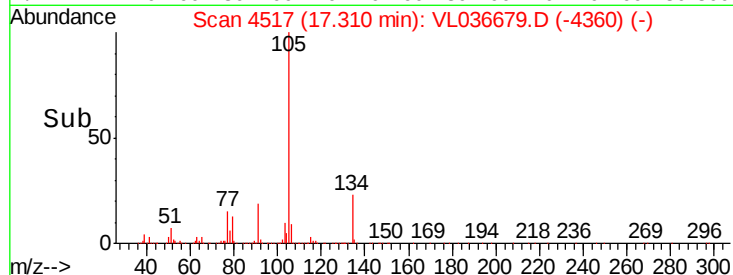
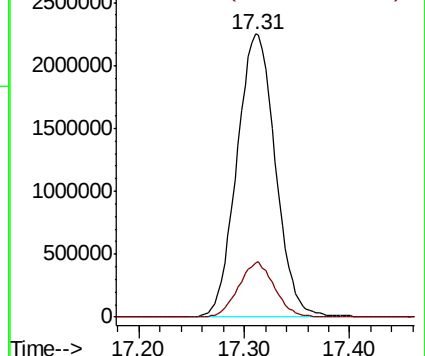
105 100

134 18.4 14.7 22.1



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: 8.481 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

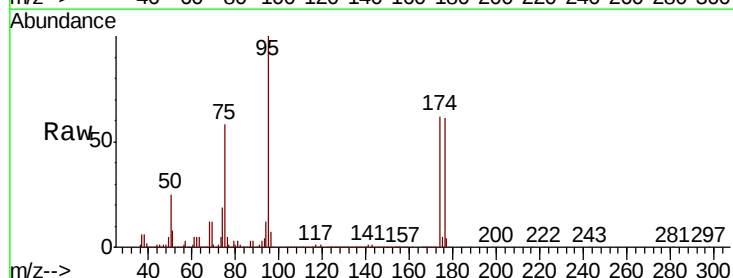
Tgt Ion: 95 Resp: 2763388

Ion Ratio Lower Upper

95 100

174 65.2 51.0 76.6

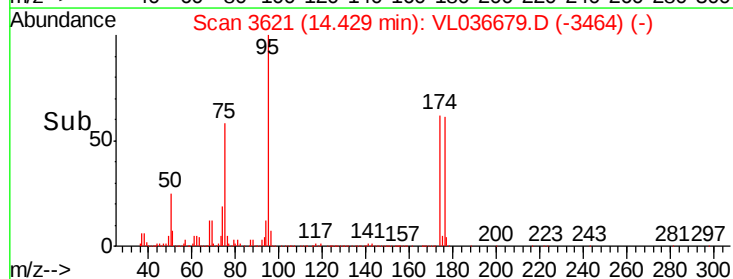
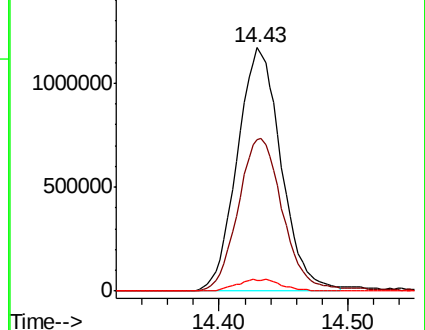
175 5.0 3.9 5.9

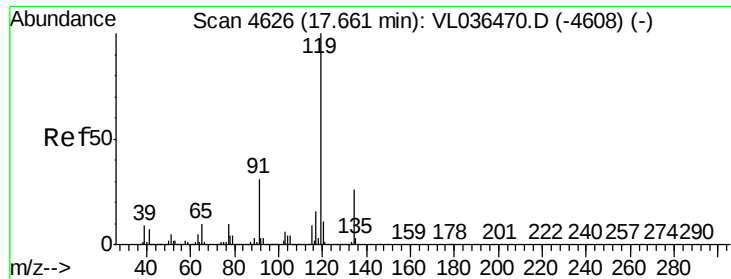


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

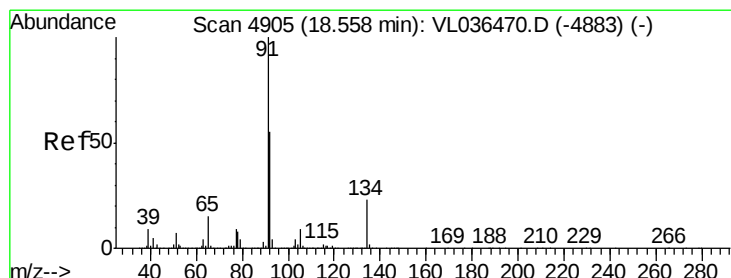
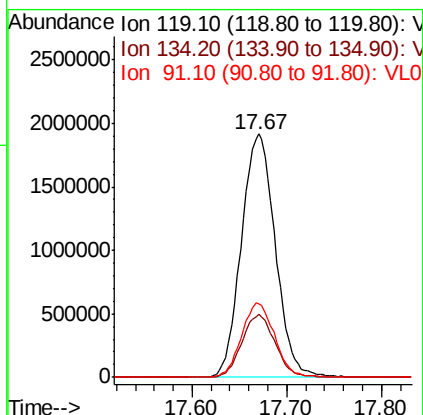
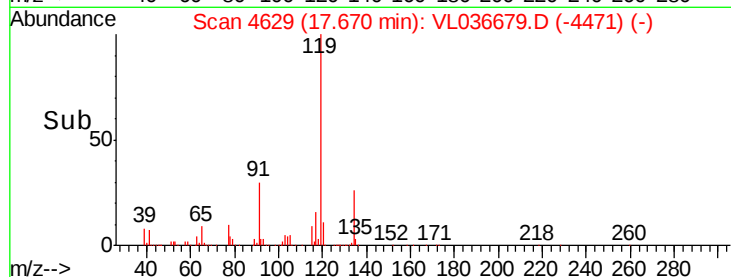
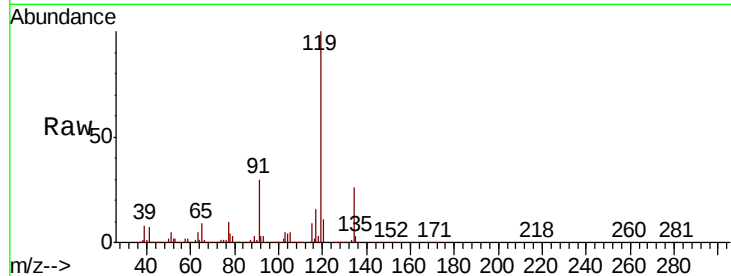




#69
 p-Isopropyltoluene
 Concen: 7.398 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

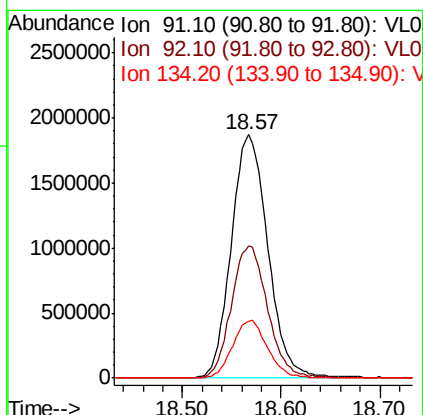
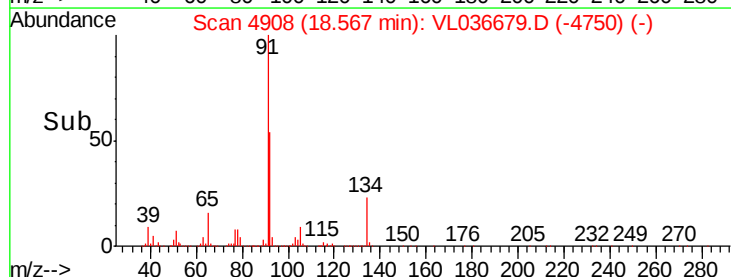
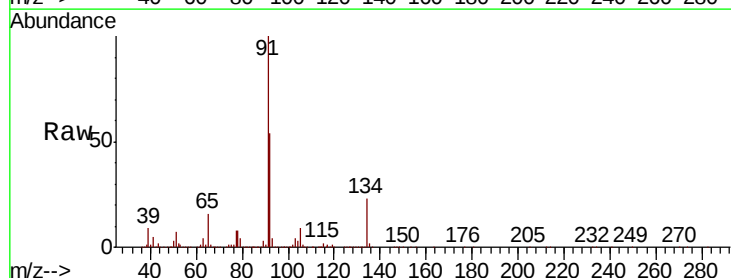
Instrument :
 MSVOA_L
 ClientSampled :

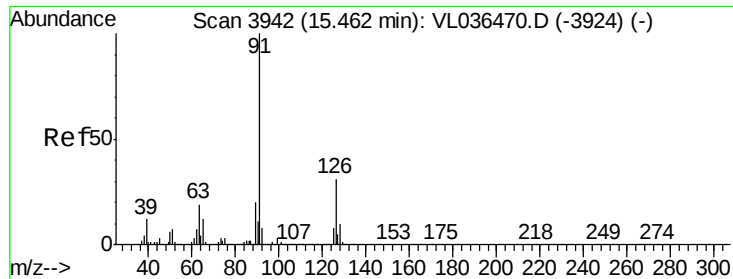
Tot Ion: 119 Resp: 4776251
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 30.8
 91 29.9 25.0 37.6



#70
 n-Butylbenzene
 Concen: 7.193 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion: 91 Resp: 4815282
 Ion Ratio Lower Upper
 91 100
 92 54.2 43.8 65.8
 134 22.9 18.0 27.0

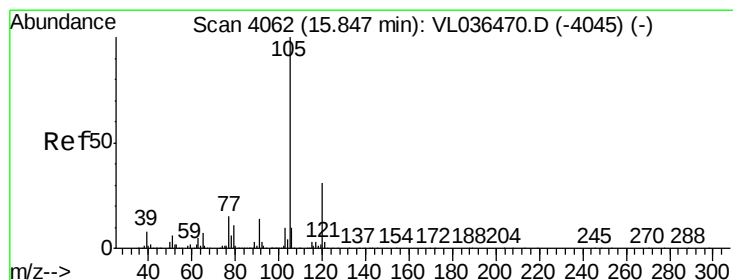
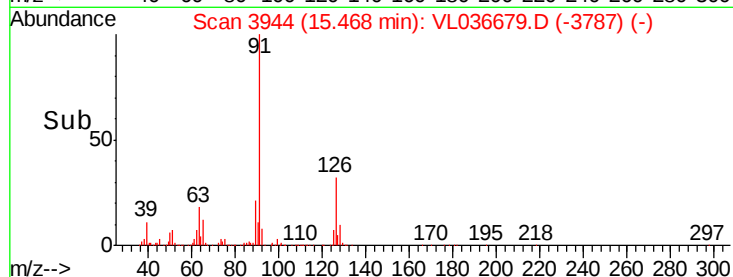
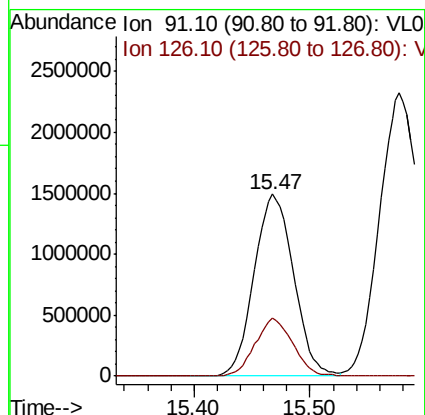
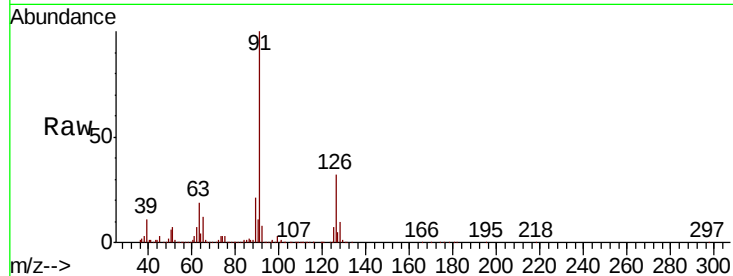




#71
 2-Chlorotoluene
 Concen: 7.002 ppbv
 RT: 15.47 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

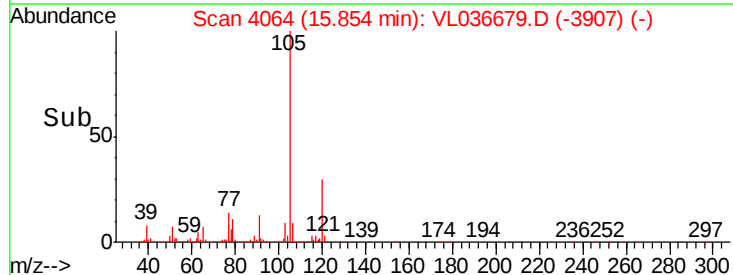
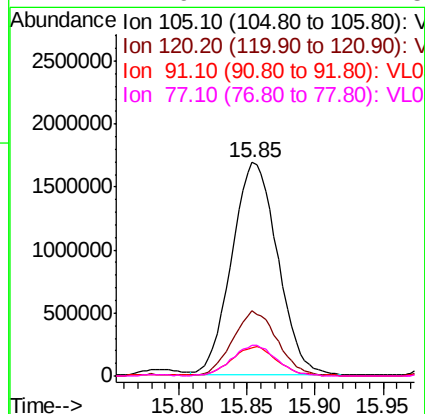
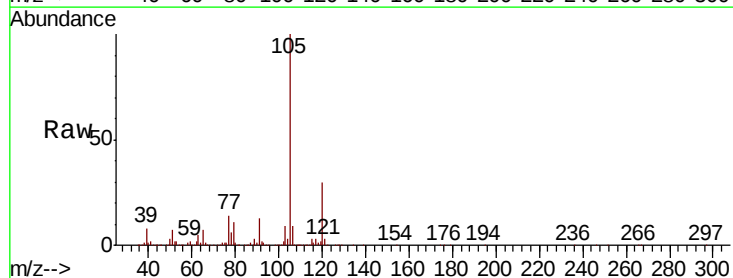
Instrument :
 MSVOA_L
 ClientSampleId :

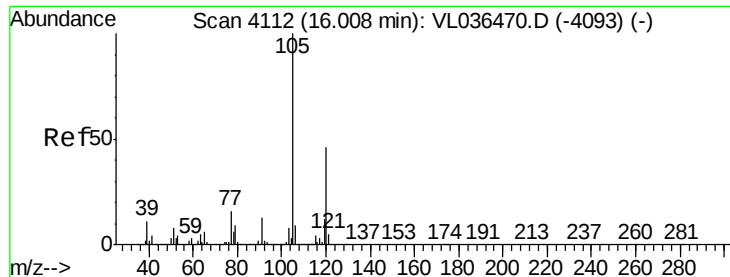
Tot Ion: 91 Resp: 3544334
 Ion Ratio Lower Upper
 91 100
 126 30.7 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 7.140 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion: 105 Resp: 3924601
 Ion Ratio Lower Upper
 105 100
 120 30.0 24.0 36.0
 91 13.7 11.0 16.4
 77 14.9 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 6.928 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

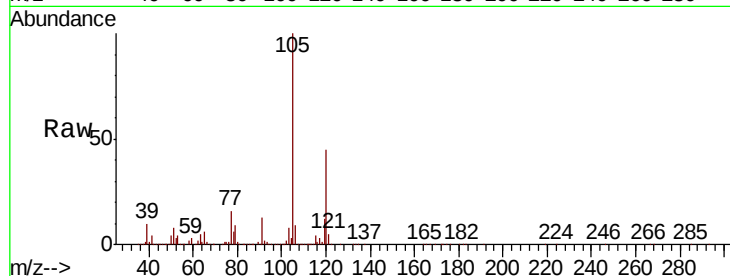
ClientSampleId :

Tot Ion:105 Resp: 3554140

Ion Ratio Lower Upper

105 100

120 45.2 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

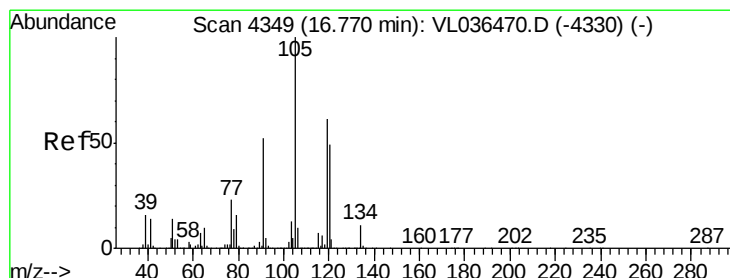
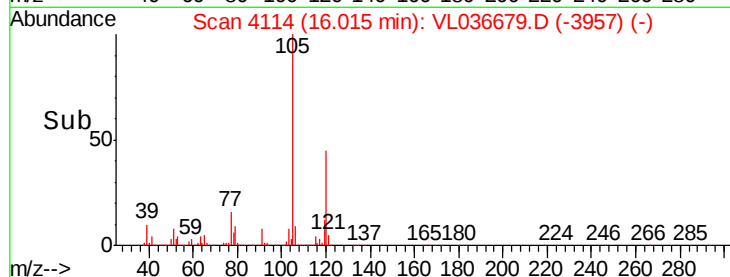
1000000

500000

0

16.01

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 6.749 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Tgt Ion:105 Resp: 3705061

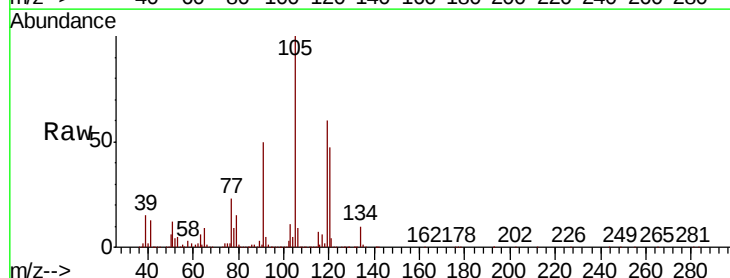
Ion Ratio Lower Upper

105 100

120 46.5 39.2 58.8

91 50.2 42.6 64.0

77 22.9 18.6 28.0



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

2000000

1500000

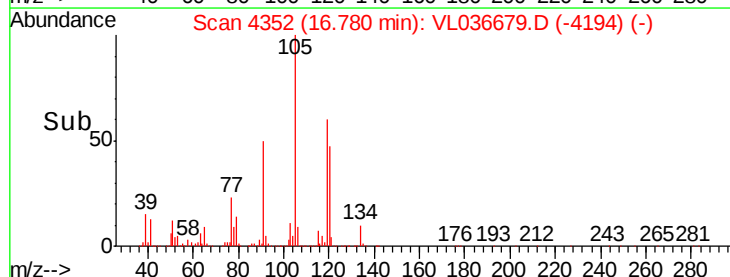
1000000

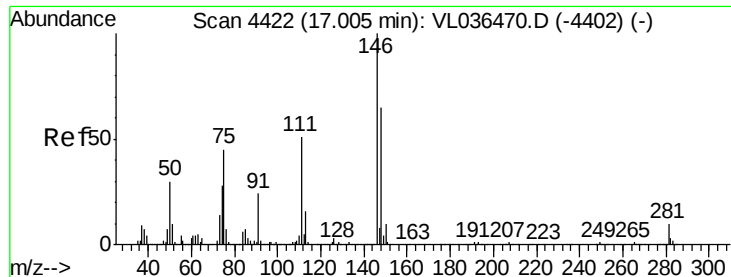
500000

0

16.78

Time--> 16.70 16.80 16.90

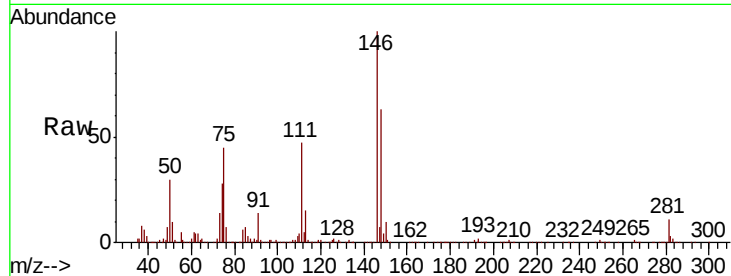




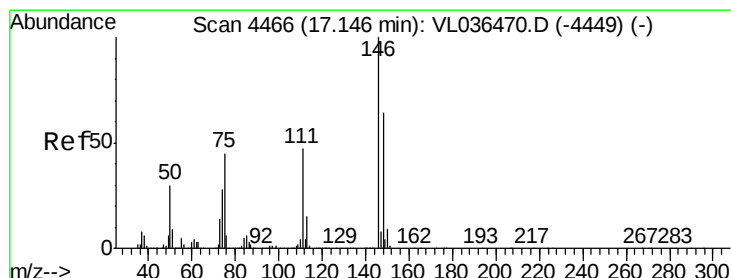
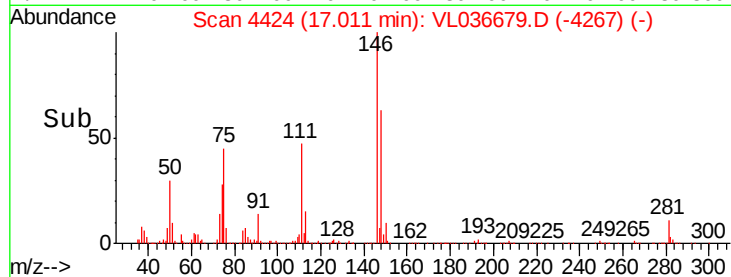
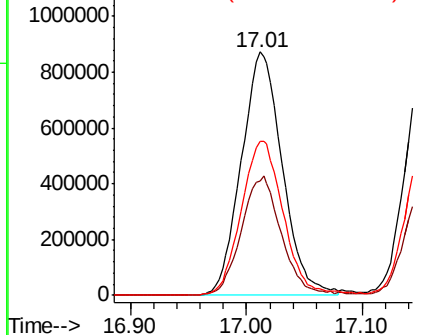
#75
 1,3-Dichlorobenzene
 Concen: 6.945 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 2145945
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.5 73.5
 148 65.1 32.3 96.9

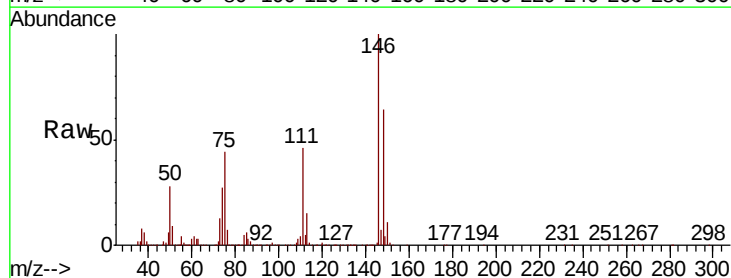


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

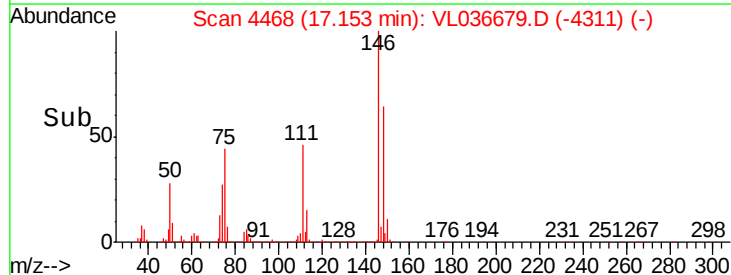
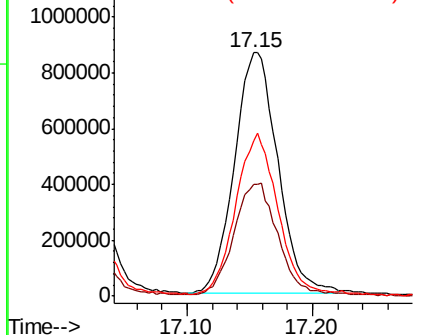


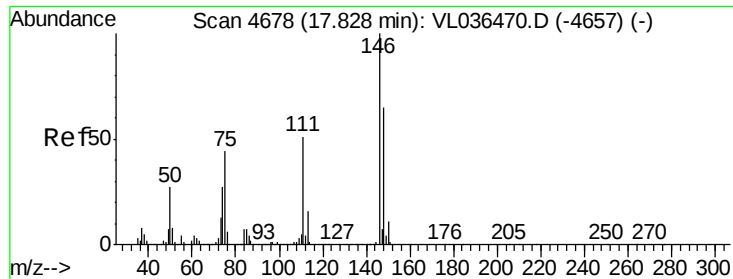
#76
 1,4-Dichlorobenzene
 Concen: 6.744 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion:146 Resp: 2068969
 Ion Ratio Lower Upper
 146 100
 111 48.6 24.3 72.8
 148 67.2 33.0 98.9



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

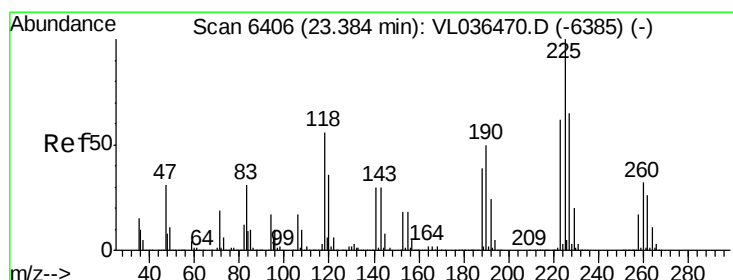
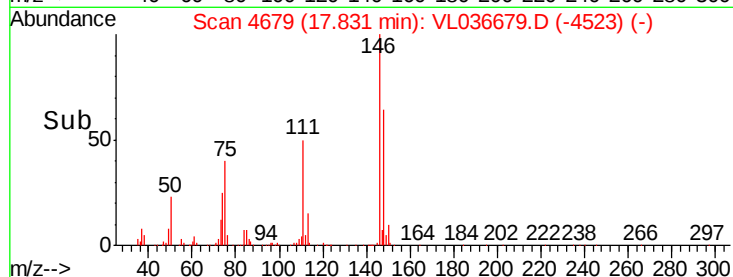
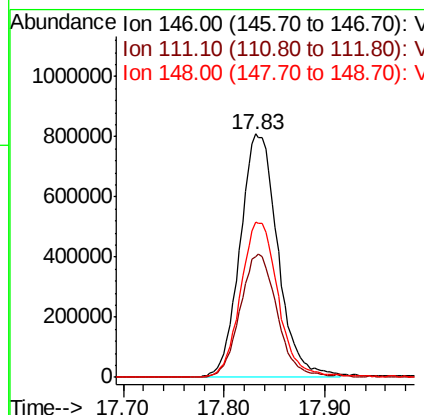
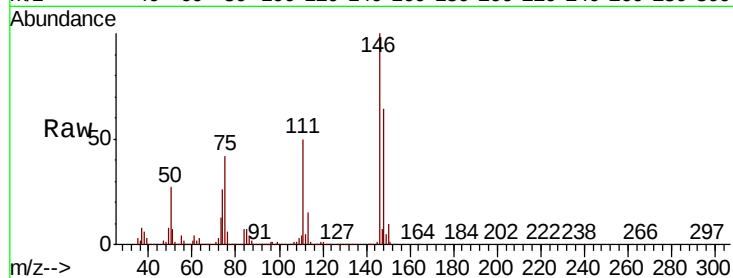




#77
 1,2-Dichlorobenzene
 Concen: 7.169 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.00 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

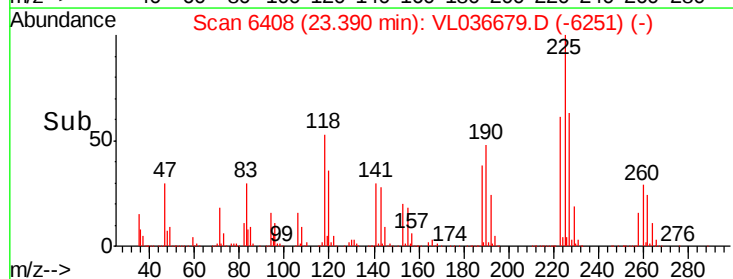
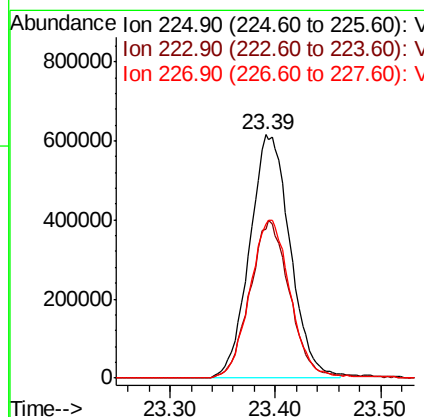
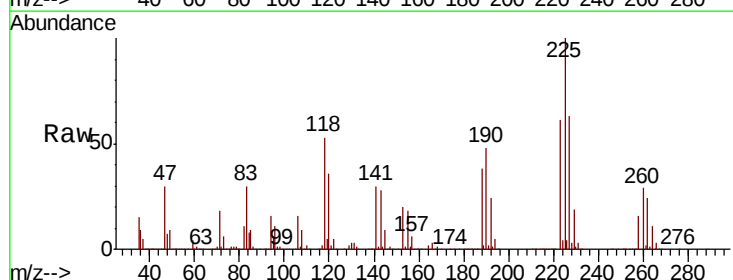
Instrument :
 MSVOA_L
 ClientSampleId :

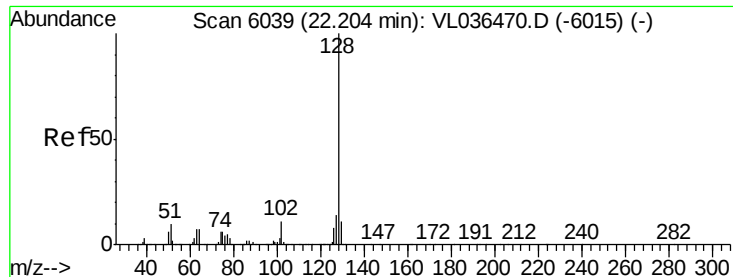
Tot Ion:146 Resp: 2082387
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.5 76.5
 148 64.2 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.315 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. 0.01 min
 Lab File: VL036679.D
 Acq: 5 Apr 2021 18:09

Tgt Ion:225 Resp: 1642713
 Ion Ratio Lower Upper
 225 100
 223 64.4 50.6 75.8
 227 65.7 52.2 78.2

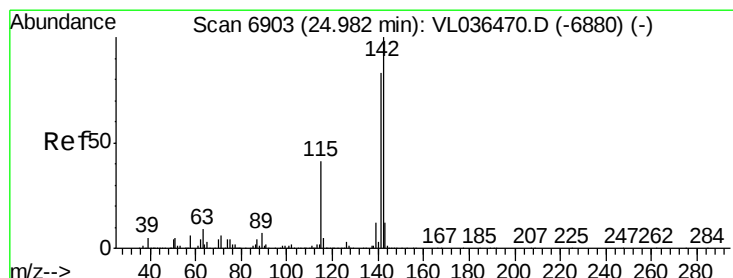
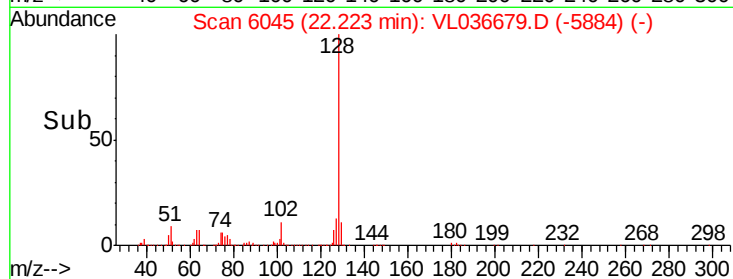
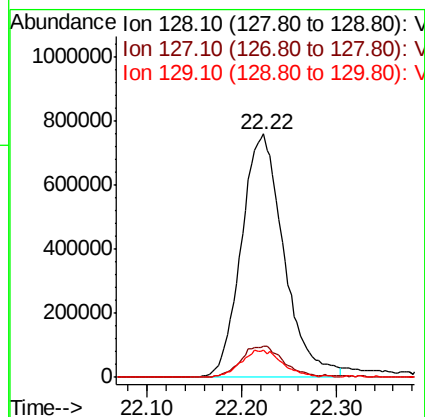
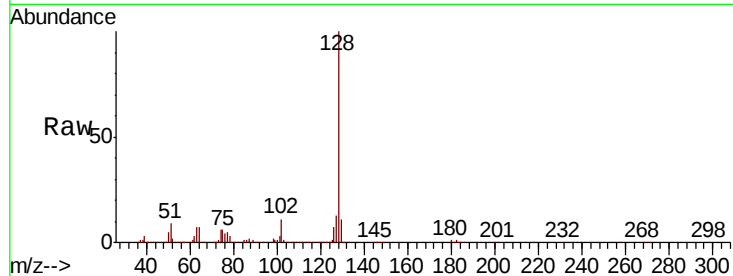




#79
Naphthalene
Concen: 7.362 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.02 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

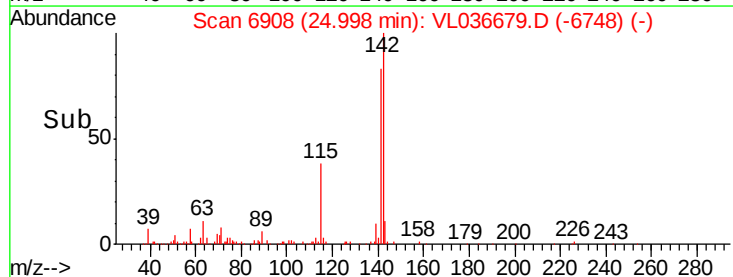
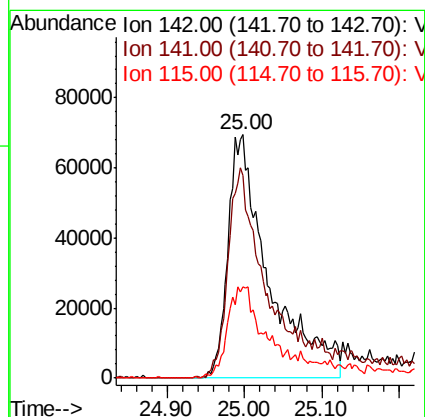
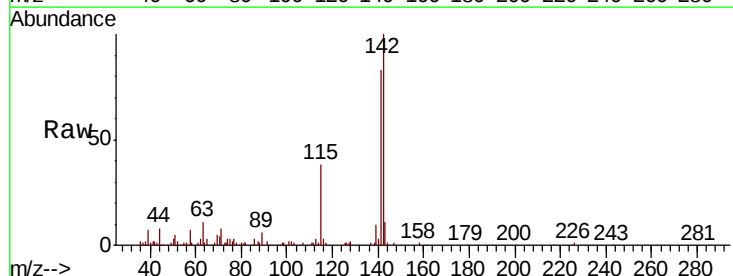
Instrument :
MSVOA_L
ClientSampled :

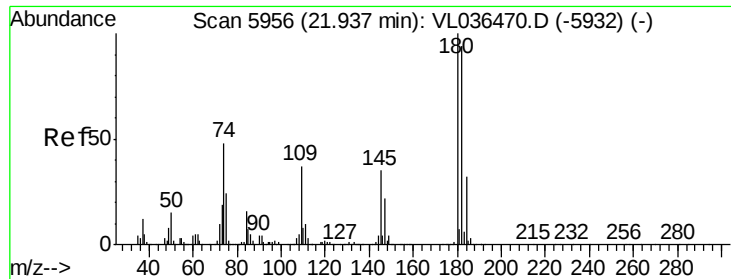
Tot Ion:128 Resp: 2358475
Ion Ratio Lower Upper
128 100
127 12.9 10.9 16.3
129 11.2 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 4.047 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. 0.02 min
Lab File: VL036679.D
Acq: 5 Apr 2021 18:09

Tgt Ion:142 Resp: 255619
Ion Ratio Lower Upper
142 100
141 83.2 67.8 101.8
115 42.6 34.0 51.0





#81

1,2,4-Trichlorobenzene

Concen: 7.199 ppbv

RT: 21.95 min Scan# 5959

Delta R.T. 0.01 min

Lab File: VL036679.D

Acq: 5 Apr 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

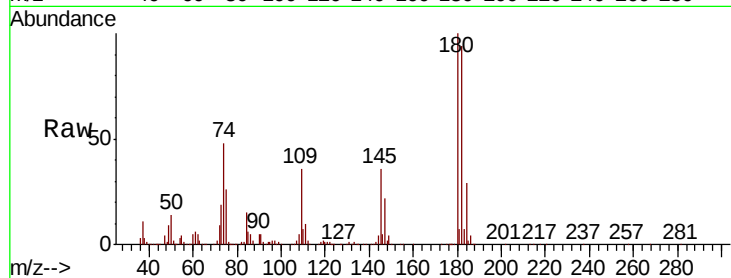
Tot Ion:180 Resp: 1423926

Ion Ratio Lower Upper

180 100

182 98.5 80.8 121.2

184 31.9 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

