

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036559.D
 Acq On : 30 Mar 2021 5:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 08:18:07 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	1456069	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3490569	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4038258	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2743385	8.52	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2163585	9.110	ppbv 97
3) Chlorodifluoromethane	2.97	51	2531621	9.306	ppbv 100
4) Chloromethane	3.12	50	914692	9.519	ppbv 98
5) Vinyl Chloride	3.24	62	850801	8.611	ppbv 100
6) Bromomethane	3.46	94	481296	8.848	ppbv 100
7) Chloroethane	3.54	64	307532	9.058	ppbv 94
8) Dichlorotetrafluoroethane	3.17	85	2034001	8.974	ppbv 99
9) Propene	2.99	41	779594	8.989	ppbv 97
10) Heptane	8.10	43	2023337	9.158	ppbv 100
11) Trichlorofluoromethane	3.93	101	2178656	9.002	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1396882	9.027	ppbv 98
13) Ethanol	3.59	45	53913	5.220	ppbv 68
14) Bromoethene	3.72	108	589154	9.158	ppbv 99
15) Acetone	3.83	43	1236621	8.629	ppbv 98
16) 1,3-Butadiene	3.31	39	896009	8.980	ppbv 98
17) tert-Butyl alcohol	4.27	59	1006250	8.066	ppbv 98
18) 1,1-Dichloroethene	4.27	96	601325	8.736	ppbv 100
19) Isopropyl Alcohol	3.95	45	550862	6.988	ppbv 98
20) Methylene Chloride	4.32	84	560276	8.350	ppbv 96
21) Allyl Chloride	4.39	41	989619	8.662	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	551772	8.647	ppbv 93
23) Vinyl Acetate	5.05	43	2255562	9.201	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1614658	9.037	ppbv 99
25) Ethyl Acetate	5.66	43	2963990	8.699	ppbv 99
26) Hexane	5.66	57	1444137	9.134	ppbv 97
27) Carbon Disulfide	4.53	76	1504367	9.658	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1559160	8.362	ppbv 99
29) Chloroform	5.73	83	2279127	9.013	ppbv 99
30) Cyclohexane	7.11	84	1170482	9.128	ppbv 97
31) cis-1,2-Dichloroethene	5.53	61	1371490	8.968	ppbv 95
32) 1,1,1-Trichloroethane	6.49	97	2254851	8.848	ppbv 99
34) 2-Butanone	5.22	43	1420787	8.339	ppbv 99
35) Carbon Tetrachloride	7.00	117	2370899	8.843	ppbv 96
36) Benzene	6.87	78	2912842	9.048	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1697685	8.960	ppbv 100
38) Trichloroethene	7.81	130	1055910	8.428	ppbv 97
39) 1,2-Dichloropropane	7.59	63	1172222	8.976	ppbv 100
40) 1,4-Dioxane	7.81	88	202842	6.674	ppbv # 1
41) Tetrahydrofuran	6.03	42	599566	7.632	ppbv 97
42) Bromodichloromethane	7.77	83	2478799	9.618	ppbv 99
43) Methyl Methacrylate	7.99	69	1102590	10.200	ppbv 99

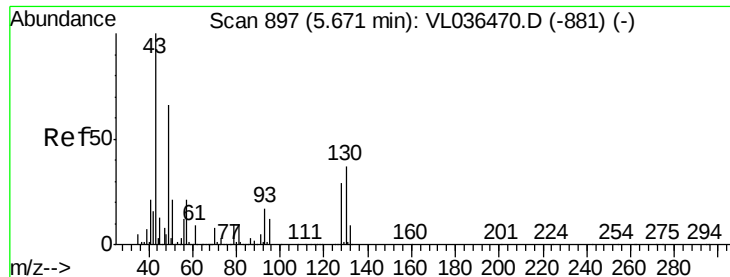
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036559.D
 Acq On : 30 Mar 2021 5:51
 Operator : SY/AP
 Sample : VSTDCCC010
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Quant Time: Mar 30 08:18:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : 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	7.85	57	4964727	8.763	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	994935	8.060	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1299790	8.238	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1171858	8.860	ppbv	99
48) Dibromochloromethane	10.28	129	1939448	9.619	ppbv	100
49) Bromoform	13.02	173	1588448	9.777	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2163747	8.776	ppbv	99
51) 2-Hexanone	10.11	43	1156522	9.296	ppbv #	99
52) Tetrachloroethene	11.19	164	522263	4.406	ppbv	99
53) Toluene	9.78	91	3262816	9.517	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1690257	9.049	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1371107	7.507	ppbv	99
57) Chlorobenzene	12.12	112	2415496	7.030	ppbv	99
58) Ethyl Benzene	12.69	91	4398558	7.487	ppbv	99
59) m/p-Xylene	12.97	91	4366315	8.521	ppbv #	52
60) o-Xylene	13.67	91	3536847	7.138	ppbv	100
61) Styrene	13.50	104	1935485	7.764	ppbv	99
62) Isopropylbenzene	14.64	105	4871220	7.300	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2559750	6.772	ppbv	99
64) n-propylbenzene	15.54	120	1249795	7.661	ppbv	93
65) tert-Butylbenzene	16.72	119	4238563	7.326	ppbv	99
66) Benzyl Chloride	16.97	91	238134	3.724	ppbv #	64
67) sec-Butylbenzene	17.27	105	5934253	7.266	ppbv	99
69) p-Isopropyltoluene	17.63	119	4929073	7.729	ppbv	100
70) n-Butylbenzene	18.53	91	5121660	7.745	ppbv	99
71) 2-Chlorotoluene	15.43	91	3796824	7.594	ppbv	99
72) 4-Ethyltoluene	15.82	105	4144009	7.633	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3705423	7.312	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	3896414	7.185	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2222019	7.280	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2162786	7.137	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2164607	7.544	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1660713	6.463	ppbv	99
79) Naphthalene	22.17	128	2470684	7.808	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	323565	5.185	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	1525784	7.810	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

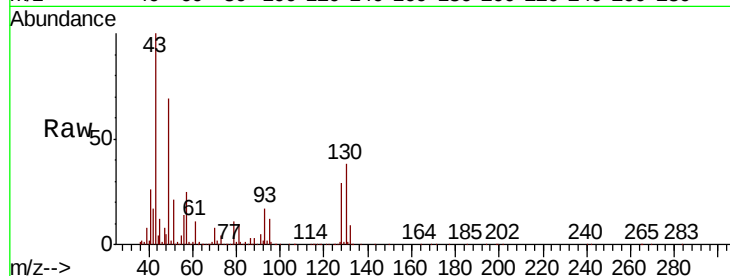
Tot Ion: 49 Resp: 1456069

Ion Ratio Lower Upper

49 100

128 46.0 23.5 70.6

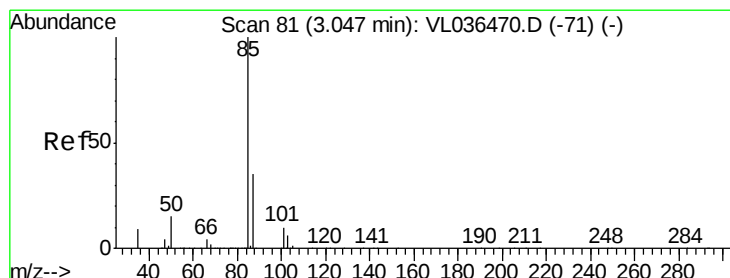
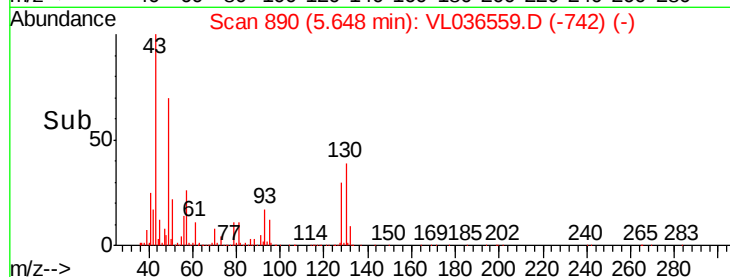
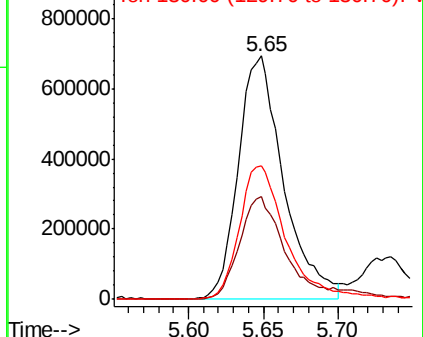
130 57.5 29.1 87.4



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: 9.110 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036559.D

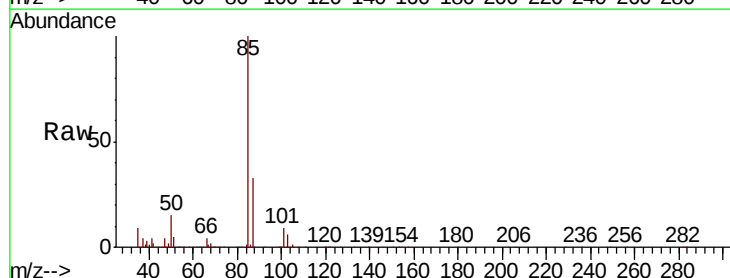
Acq: 30 Mar 2021 5:51

Tgt Ion: 85 Resp: 2163585

Ion Ratio Lower Upper

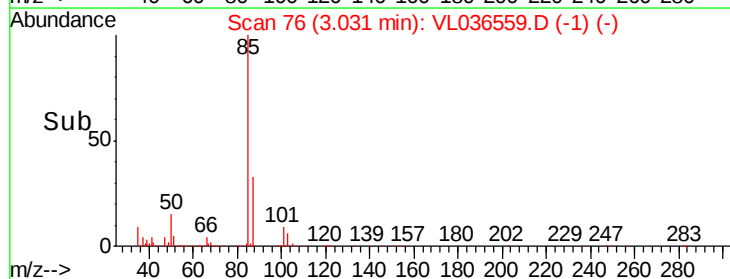
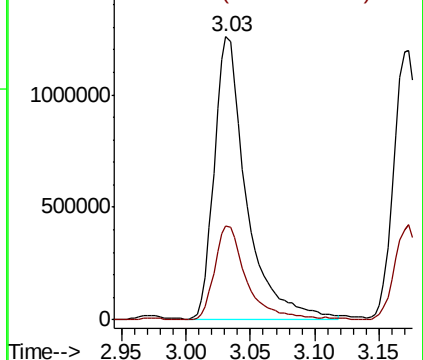
85 100

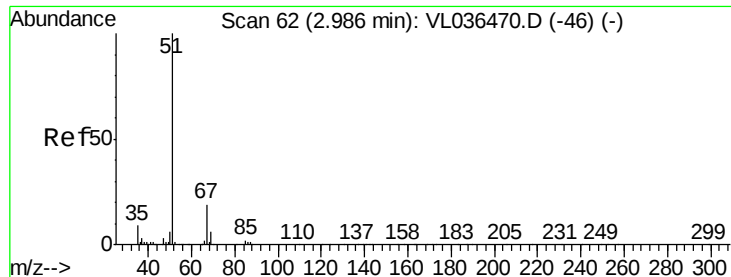
87 33.2 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.306 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

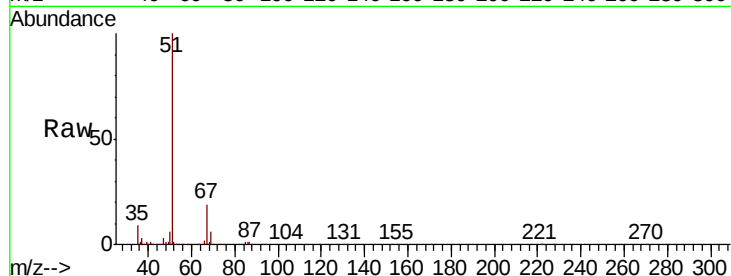
ClientSampleId :

Tot Ion: 51 Resp: 2531621

Ion Ratio Lower Upper

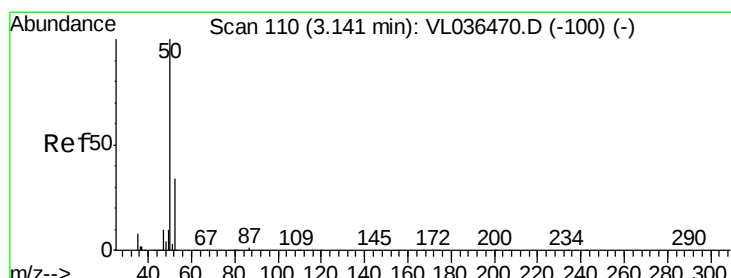
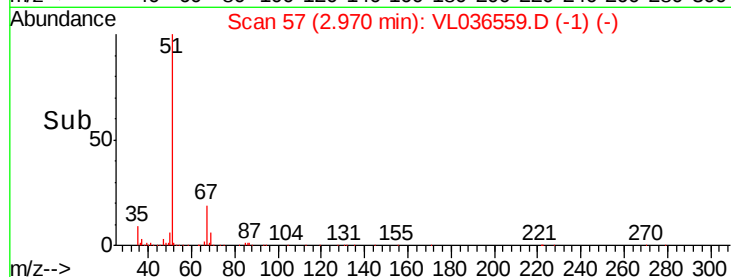
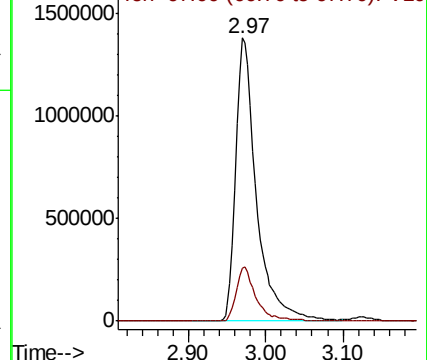
51 100

67 18.6 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: 9.519 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036559.D

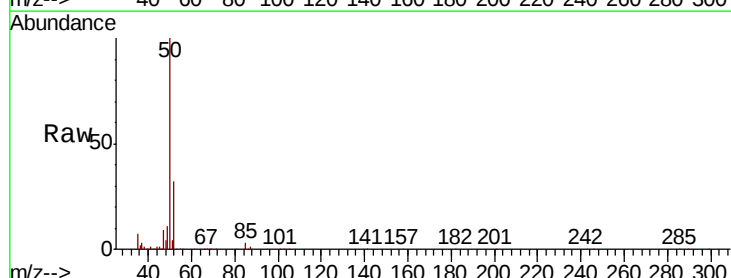
Acq: 30 Mar 2021 5:51

Tgt Ion: 50 Resp: 914692

Ion Ratio Lower Upper

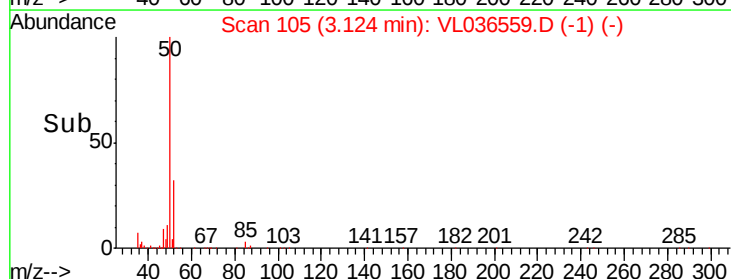
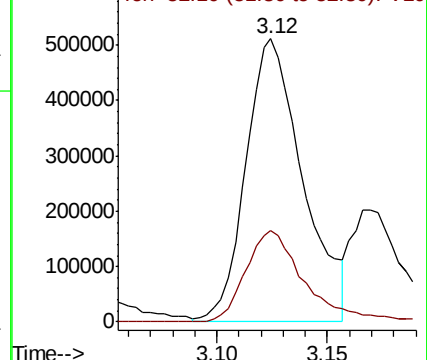
50 100

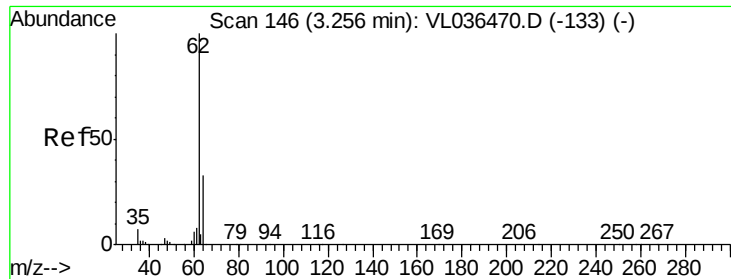
52 32.7 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.611 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

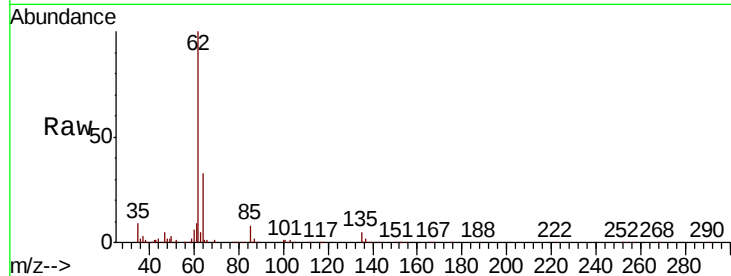
ClientSampled :

Tot Ion: 62 Resp: 850801

Ion Ratio Lower Upper

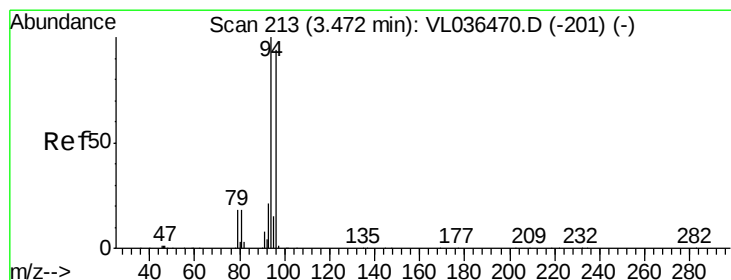
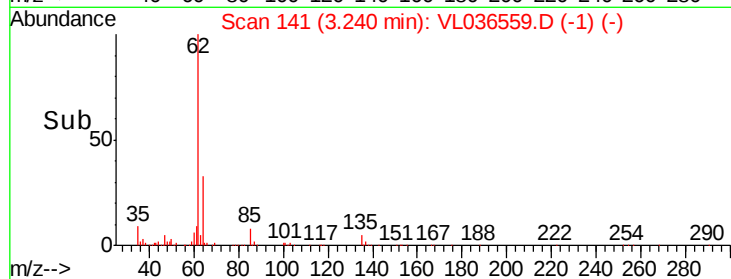
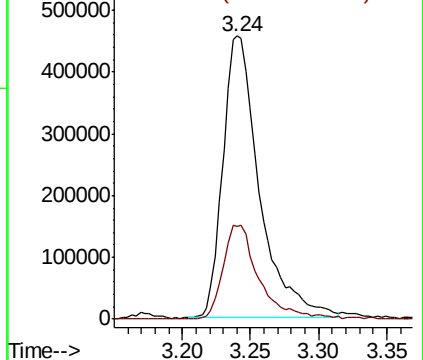
62 100

64 32.8 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: 8.848 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL036559.D

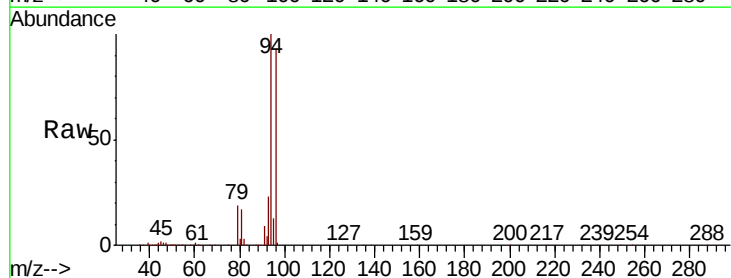
Acq: 30 Mar 2021 5:51

Tgt Ion: 94 Resp: 481296

Ion Ratio Lower Upper

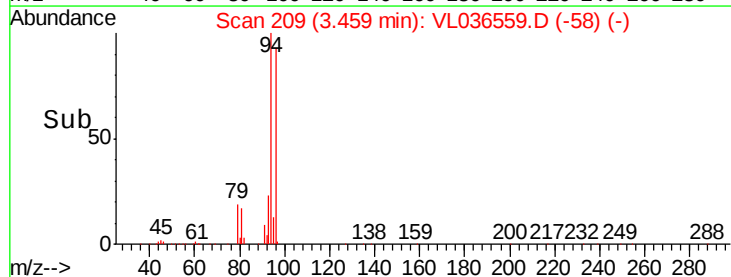
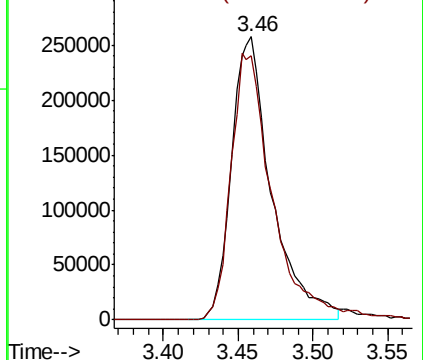
94 100

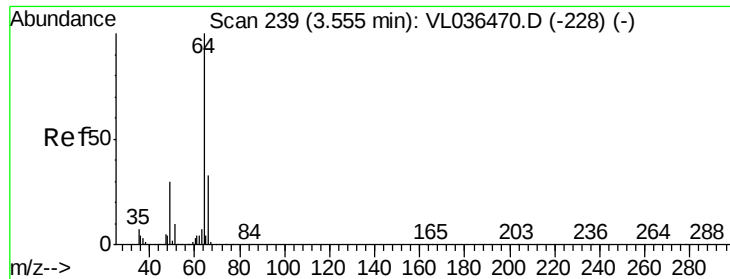
96 93.3 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.058 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

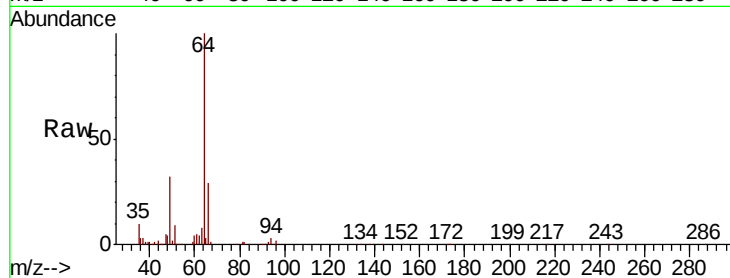
ClientSampleId :

Tot Ion: 64 Resp: 307532

Ion Ratio Lower Upper

64 100

66 29.2 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

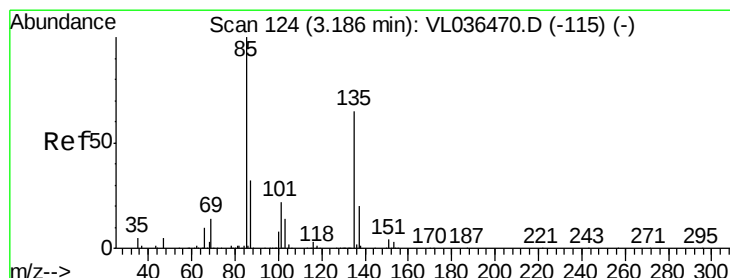
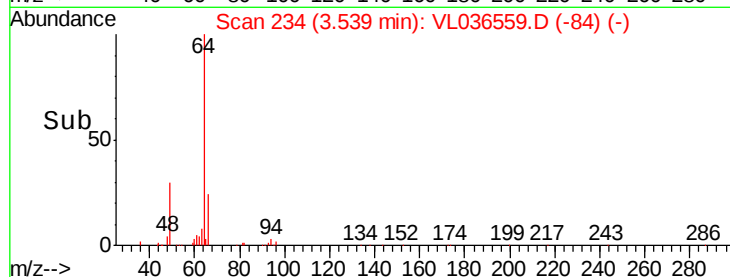
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.974 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL036559.D

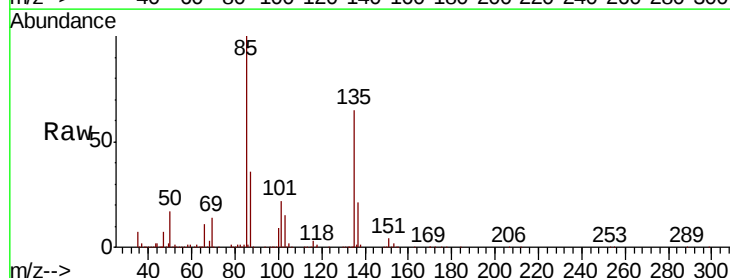
Acq: 30 Mar 2021 5:51

Tgt Ion: 85 Resp: 2034001

Ion Ratio Lower Upper

85 100

135 66.7 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

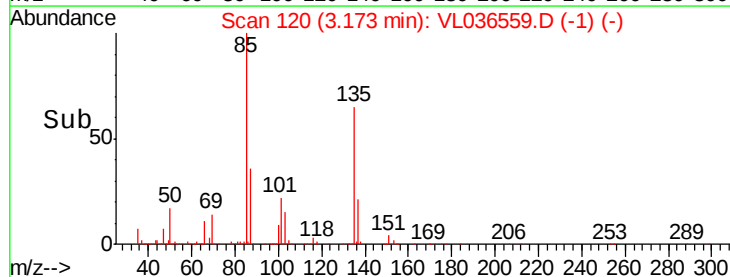
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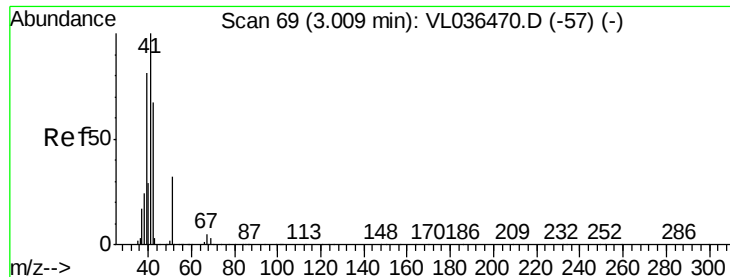
1000000

500000

0

Time-->





#9

Propene

Concen: 8.989 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

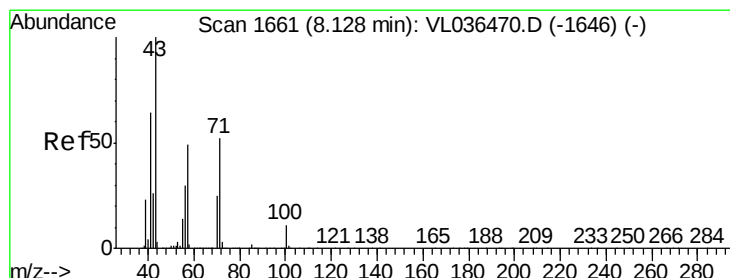
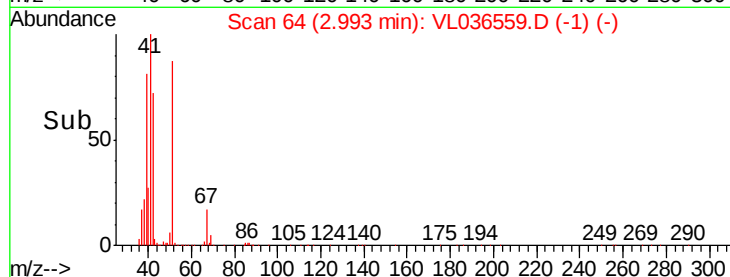
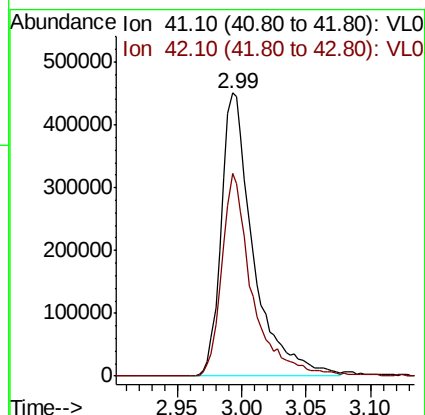
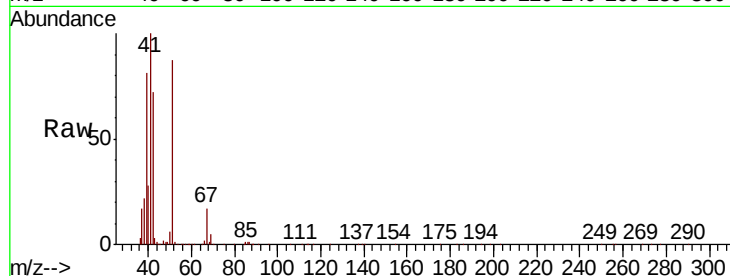
ClientSampleId :

Tot Ion: 41 Resp: 779594

Ion Ratio Lower Upper

41 100

42 68.5 57.0 85.4



#10

Heptane

Concen: 9.158 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL036559.D

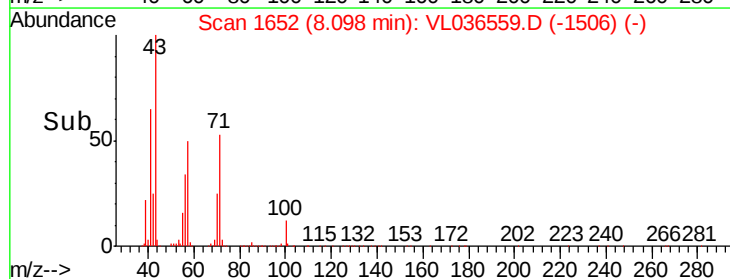
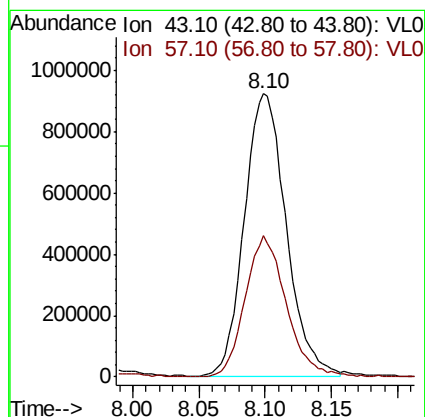
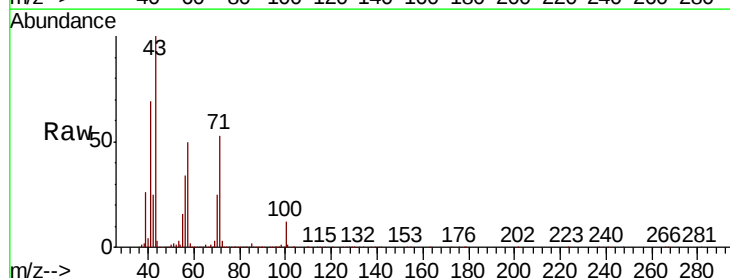
Acq: 30 Mar 2021 5:51

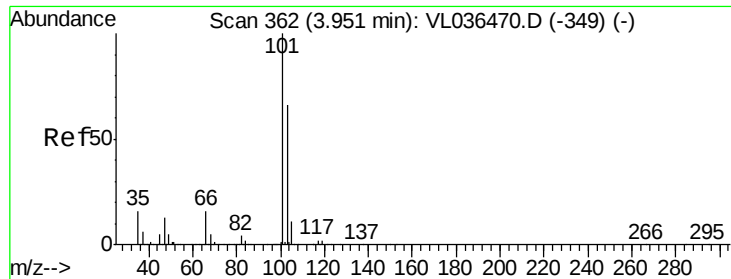
Tgt Ion: 43 Resp: 2023337

Ion Ratio Lower Upper

43 100

57 48.8 39.0 58.6

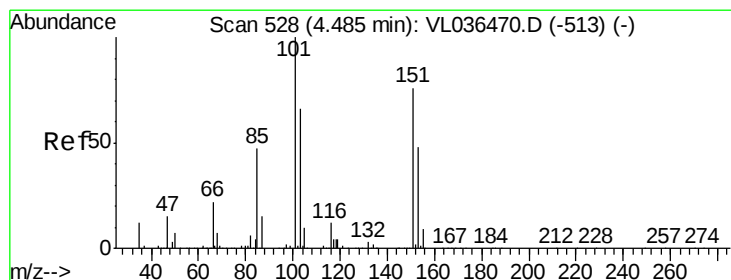
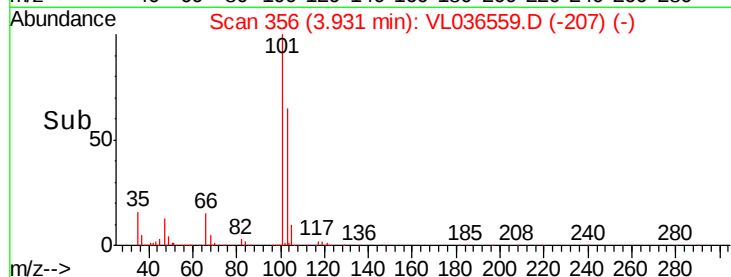
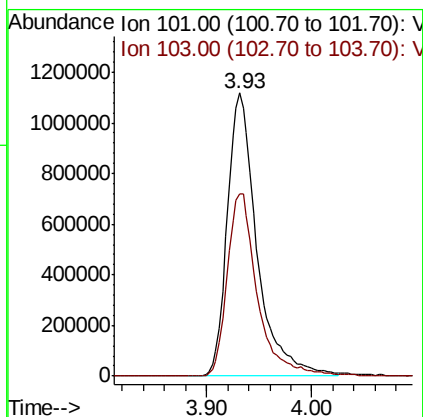
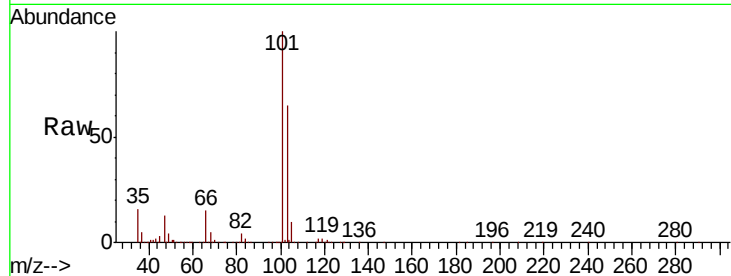




#11
 Trichlorofluoromethane
 Concen: 9.002 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.02 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

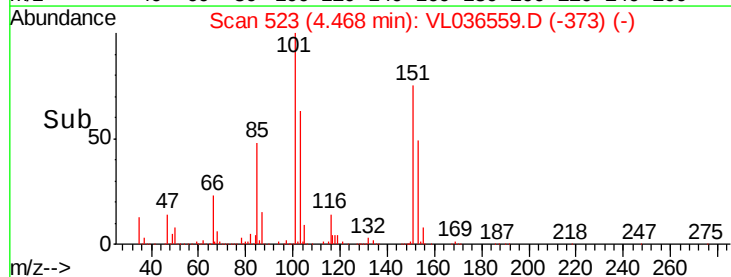
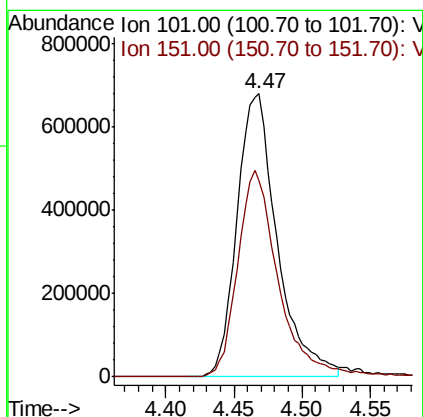
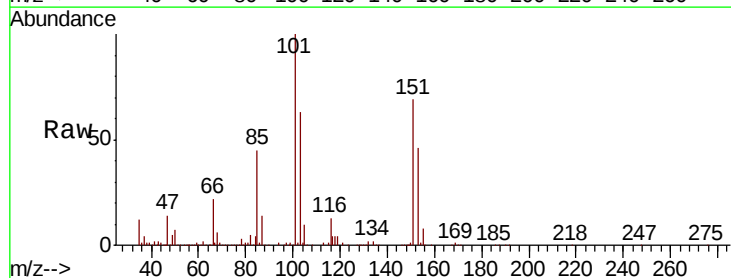
Instrument :
 MSVOA_L
 ClientSampleId :

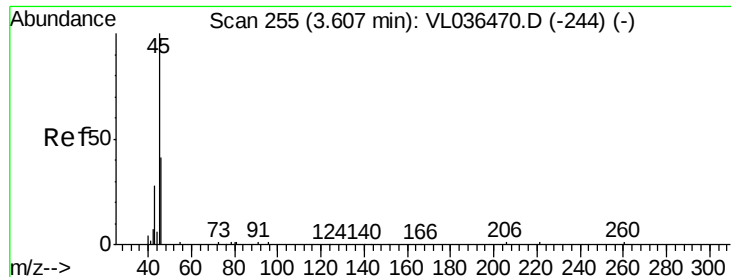
Tot Ion:101 Resp: 2178656
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.027 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Tgt Ion:101 Resp: 1396882
 Ion Ratio Lower Upper
 101 100
 151 74.3 60.9 91.3

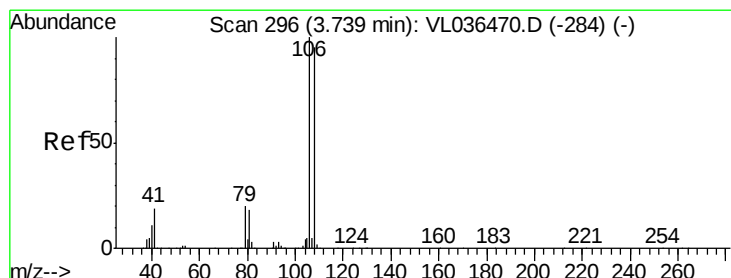
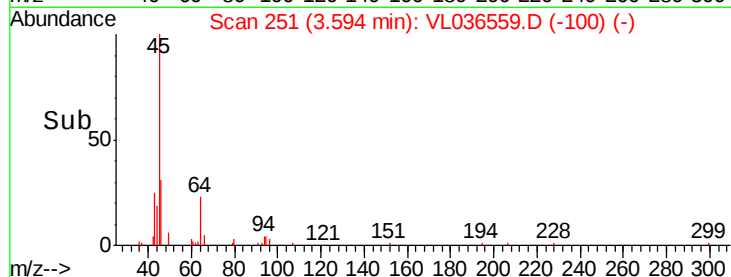
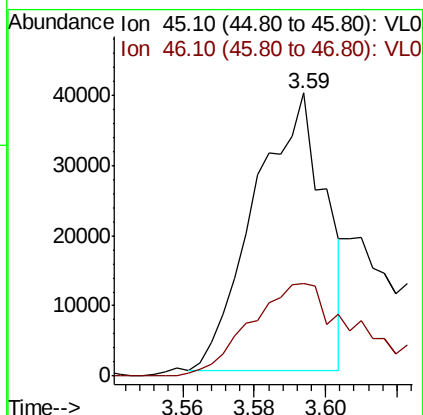
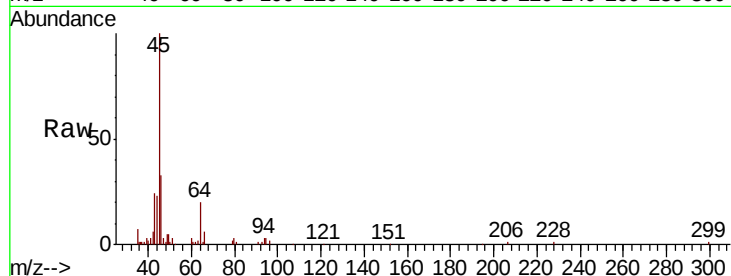




#13
Ethanol
Concen: 5.220 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

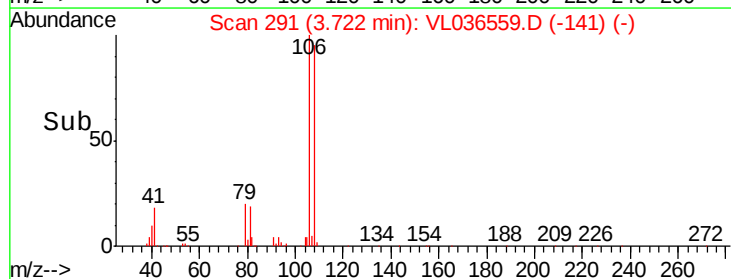
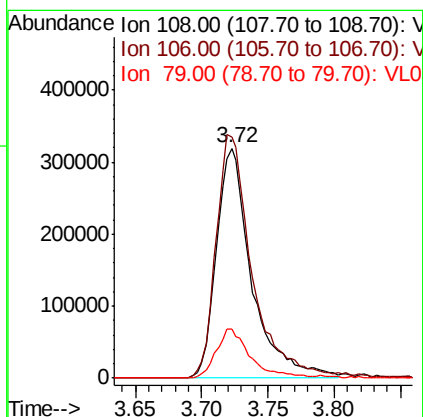
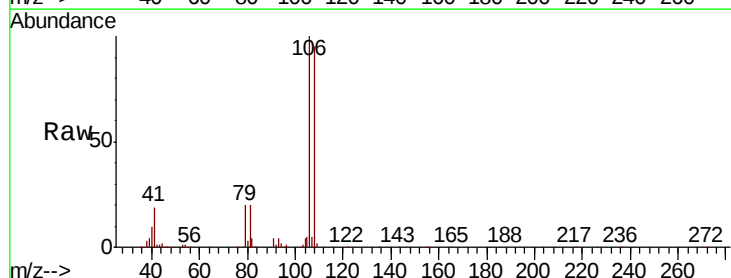
Instrument :
MSVOA_L
ClientSampled :

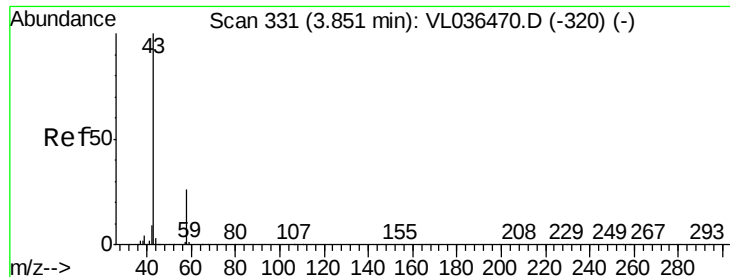
Tot Ion: 45 Resp: 53913
Ion Ratio Lower Upper
45 100
46 61.8 16.6 66.2



#14
Bromoethene
Concen: 9.158 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.02 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Tgt Ion: 108 Resp: 589154
Ion Ratio Lower Upper
108 100
106 110.2 89.0 133.6
79 21.9 16.6 25.0





#15

Acetone

Concen: 8.629 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

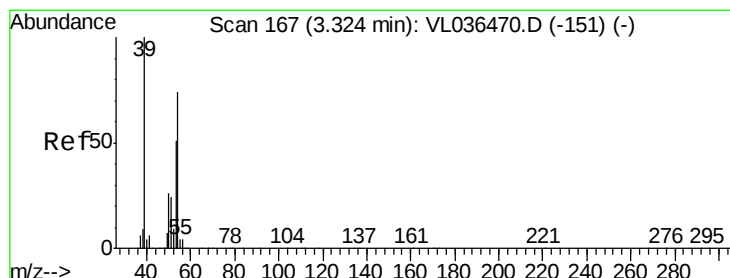
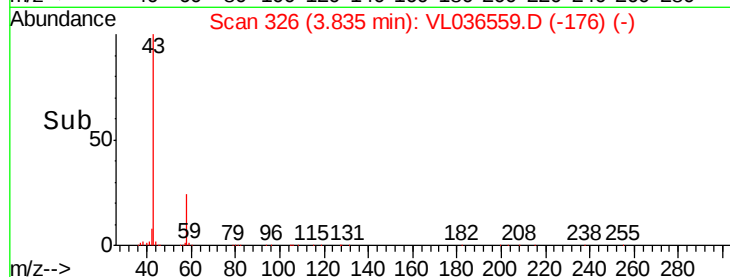
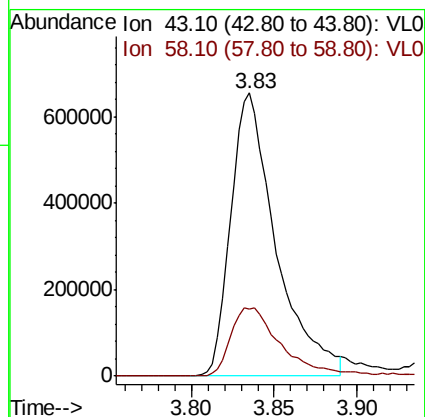
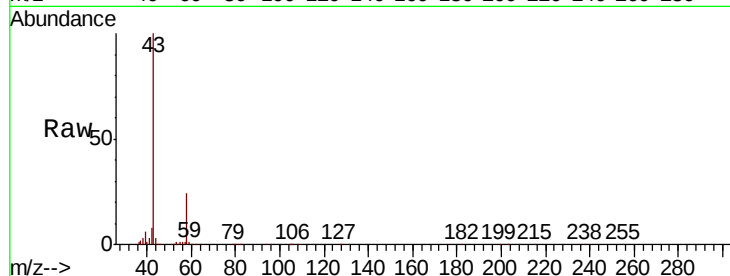
ClientSampleId :

Tot Ion: 43 Resp: 1236621

Ion Ratio Lower Upper

43 100

58 27.6 21.2 31.8



#16

1,3-Butadiene

Concen: 8.980 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL036559.D

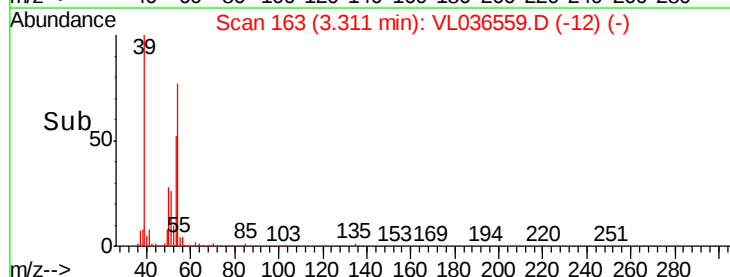
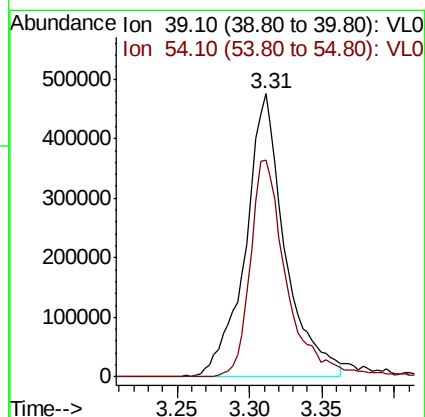
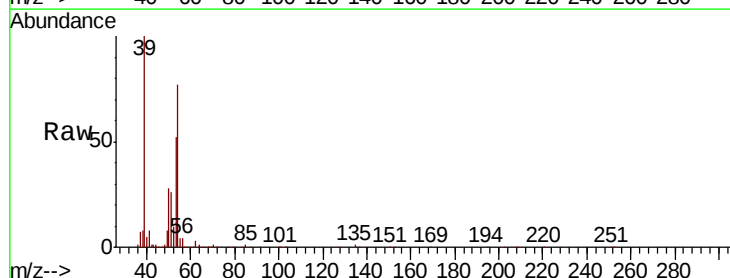
Acq: 30 Mar 2021 5:51

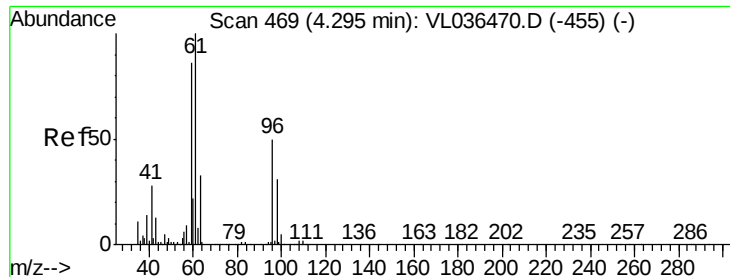
Tgt Ion: 39 Resp: 896009

Ion Ratio Lower Upper

39 100

54 72.1 58.8 88.2



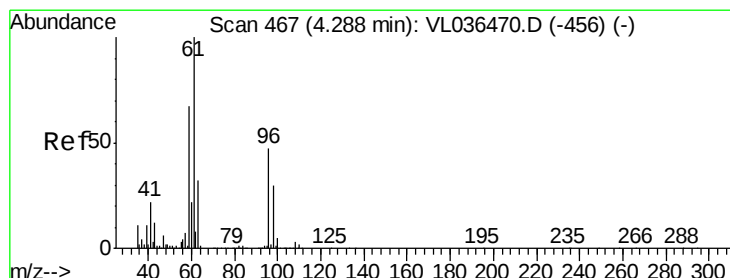
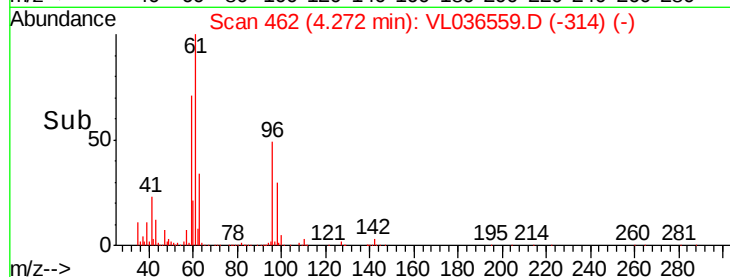
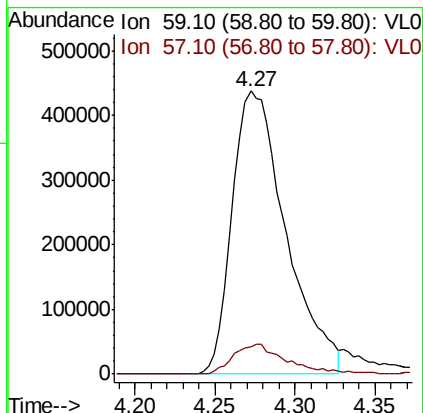
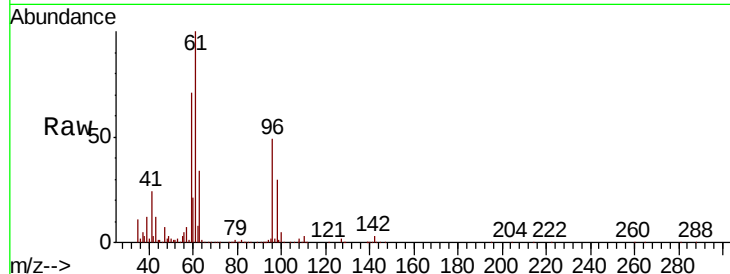


#17

tert-Butyl alcohol
Concen: 8.066 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Instrument :
MSVOA_L
ClientSampled :

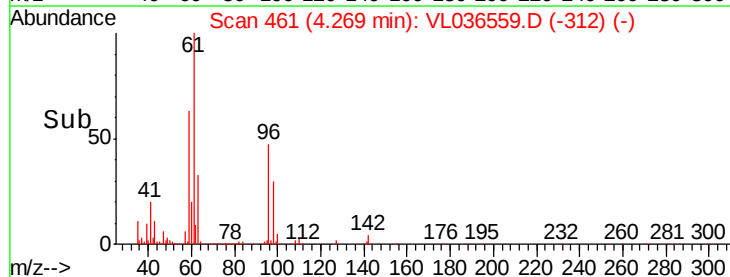
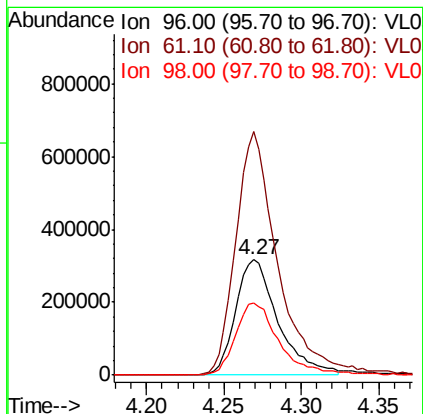
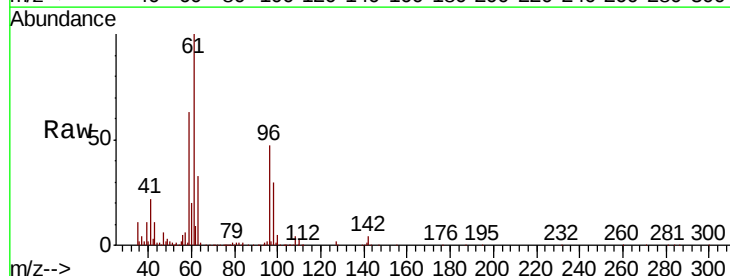
Tot Ion: 59 Resp: 1006250
Ion Ratio Lower Upper
59 100
57 11.4 8.6 12.8

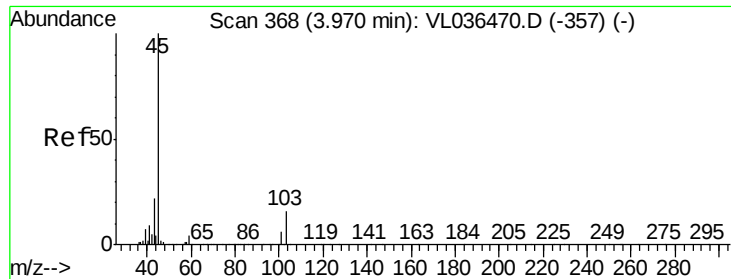


#18

1,1-Dichloroethene
Concen: 8.736 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.02 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Tgt Ion: 96 Resp: 601325
Ion Ratio Lower Upper
96 100
61 210.8 168.6 253.0
98 62.9 50.8 76.2





#19

Isopropyl Alcohol

Concen: 6.988 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

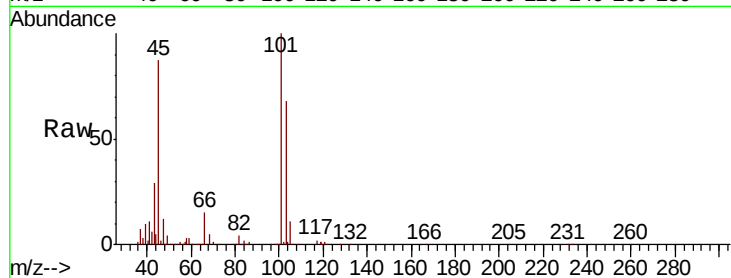
ClientSampled :

Tot Ion: 45 Resp: 550862

Ion Ratio Lower Upper

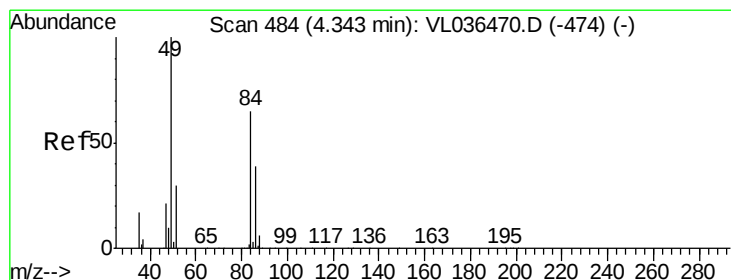
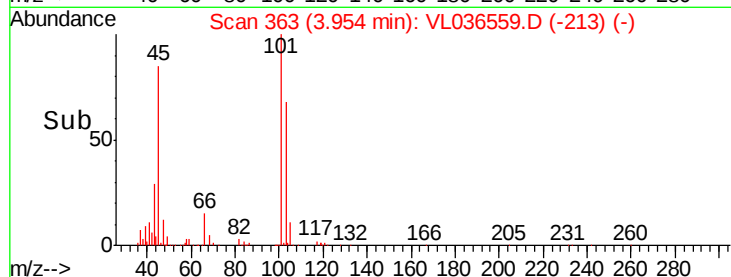
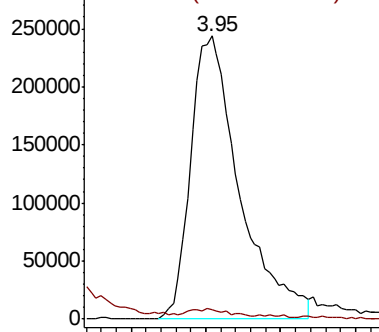
45 100

58 4.2 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: 8.350 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Tgt Ion: 84 Resp: 560276

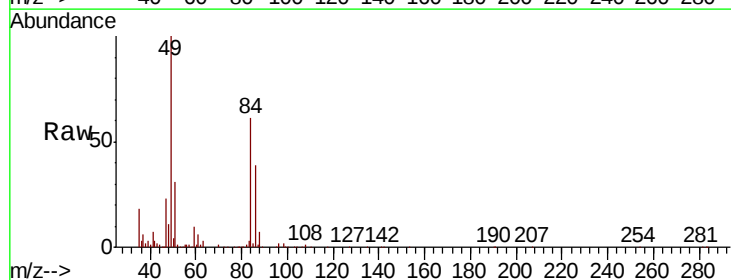
Ion Ratio Lower Upper

84 100

49 158.9 122.9 184.3

51 48.6 36.9 55.3

86 63.9 48.2 72.4

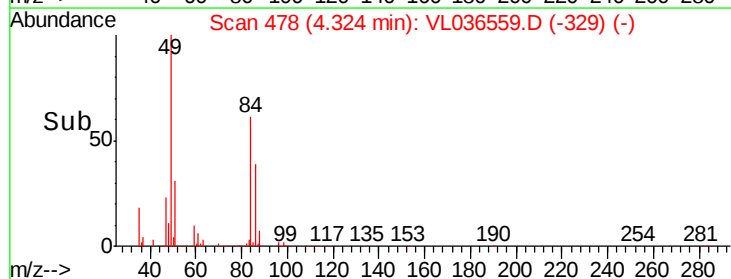
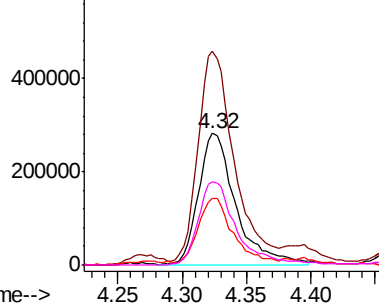


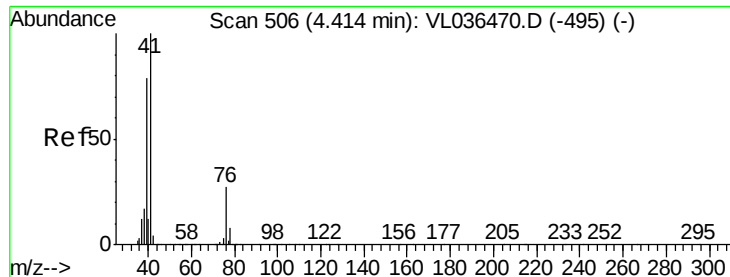
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 8.662 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :
MSVOA_L
ClientSampleId :

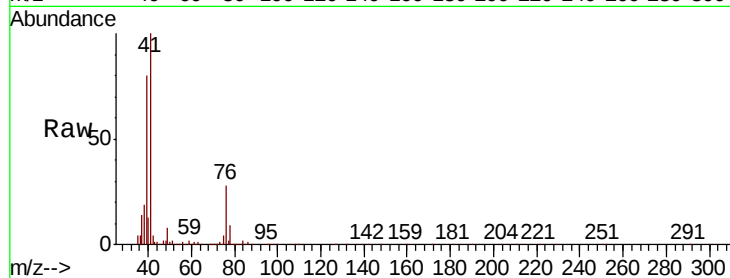
Tot Ion: 41 Resp: 989619

Ion Ratio Lower Upper

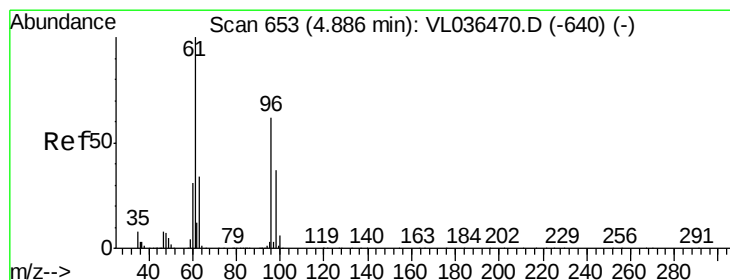
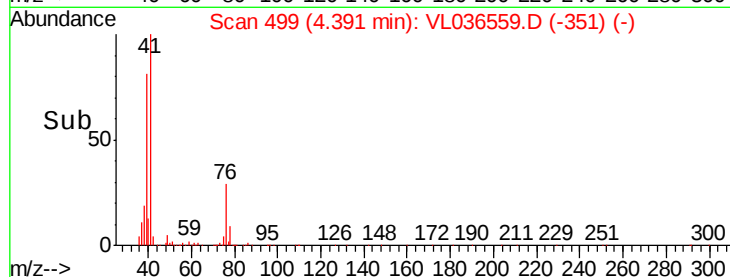
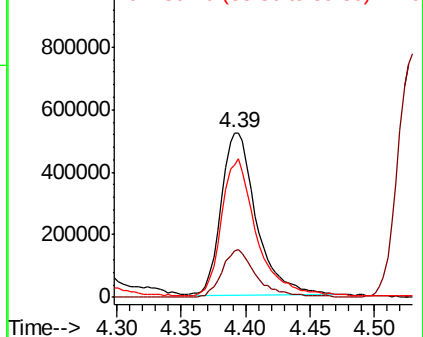
41 100

76 28.8 22.9 34.3

39 84.7 67.3 100.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 8.647 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

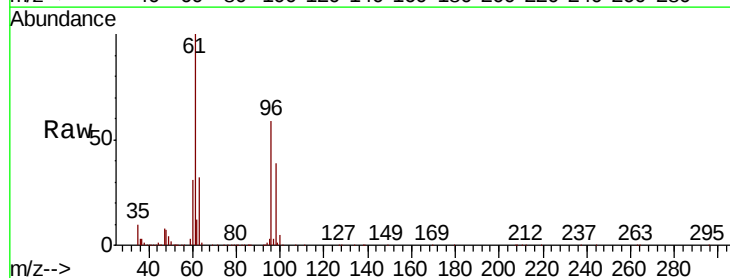
Tgt Ion: 96 Resp: 551772

Ion Ratio Lower Upper

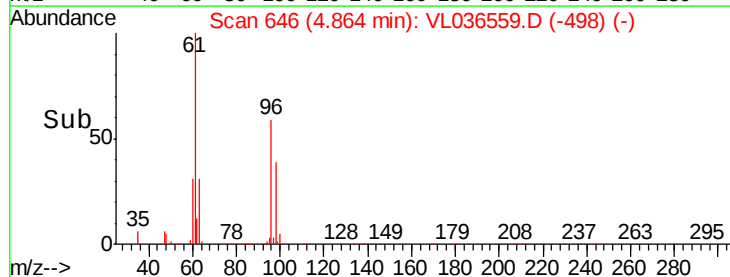
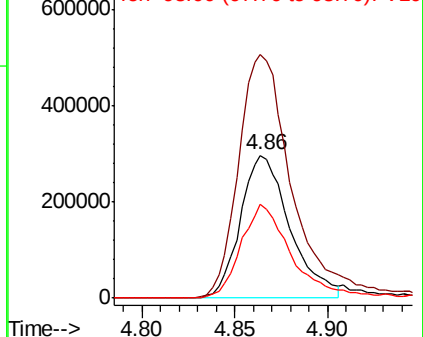
96 100

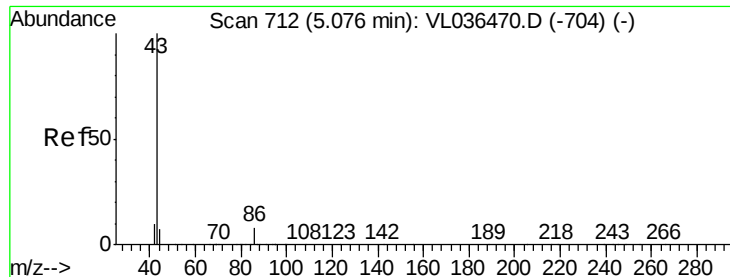
61 170.5 129.4 194.0

98 66.2 48.2 72.4



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



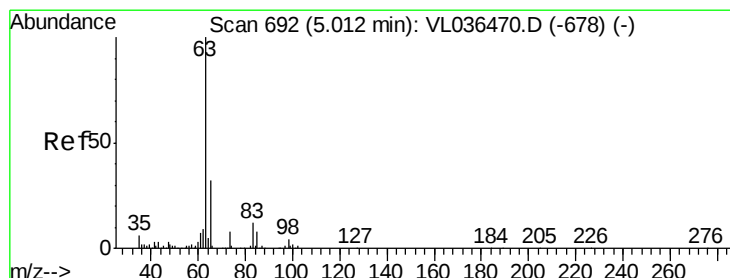
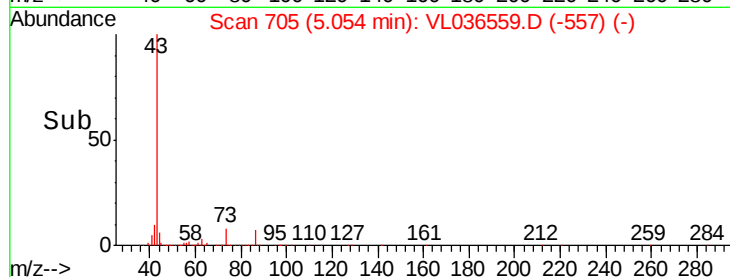
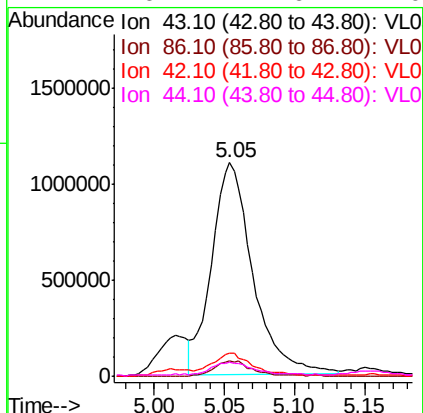
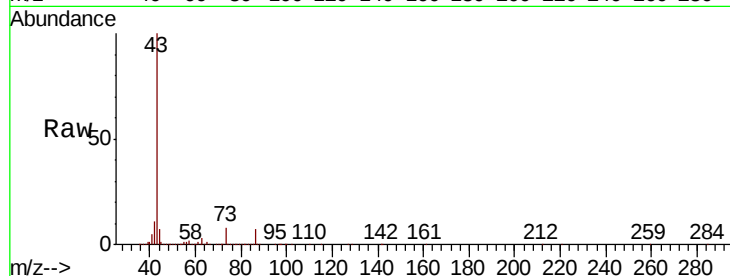


#23
 Vinyl Acetate
 Concen: 9.201 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2255562

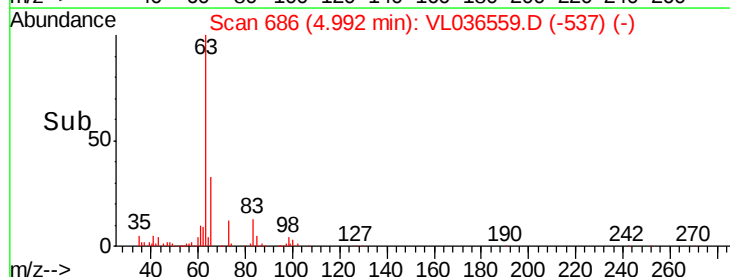
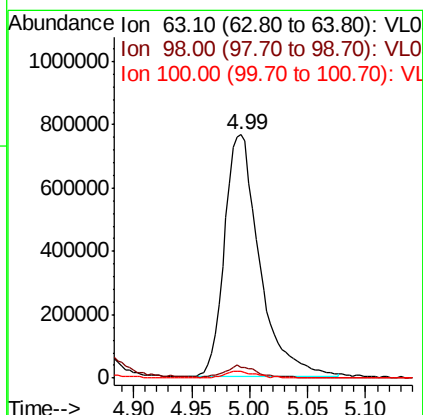
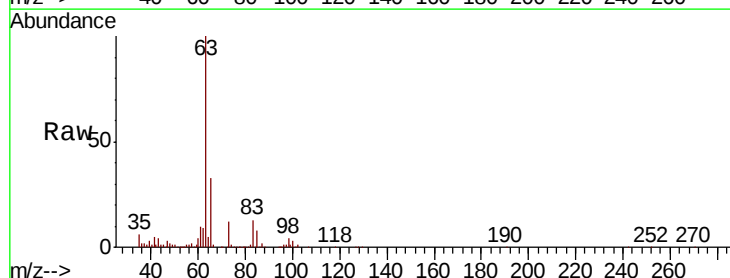
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.4	8.0
42	10.4	8.5	12.7
44	6.2	4.6	7.0

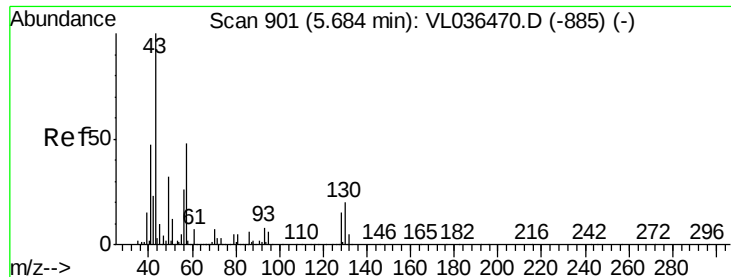


#24
 1,1-Dichloroethane
 Concen: 9.037 ppbv
 RT: 4.99 min Scan# 686
 Delta R.T. -0.02 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Tgt Ion: 63 Resp: 1614658

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	2.6	0.9	2.8



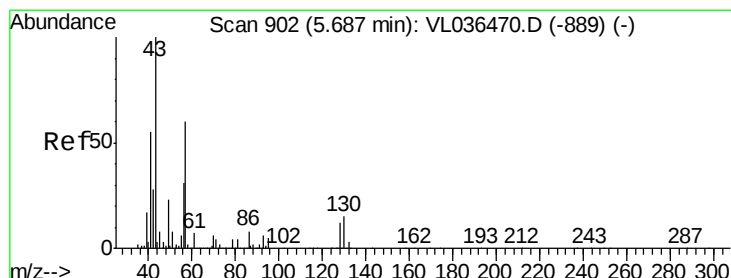
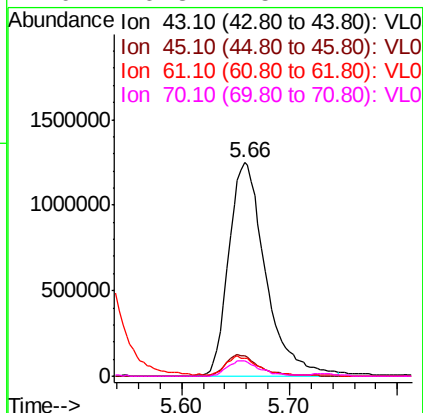
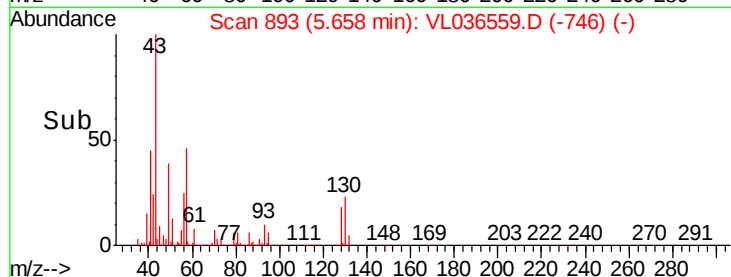
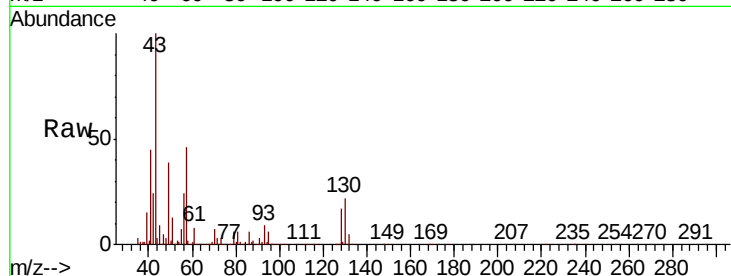


#25
Ethyl Acetate
Concen: 8.699 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2963990

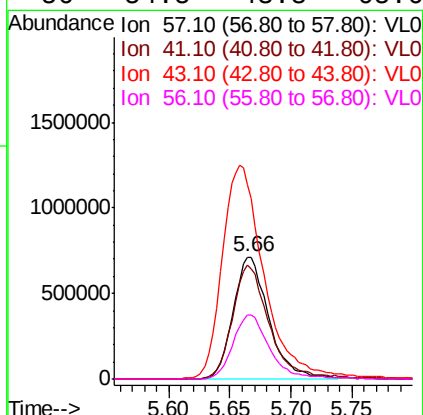
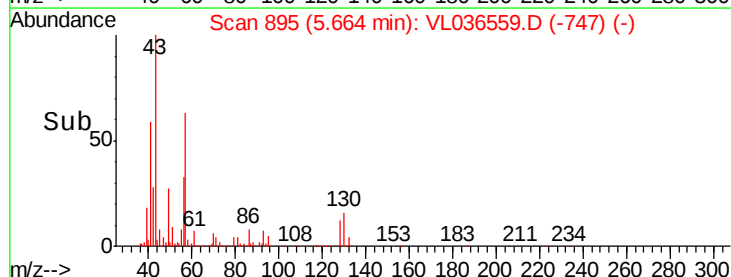
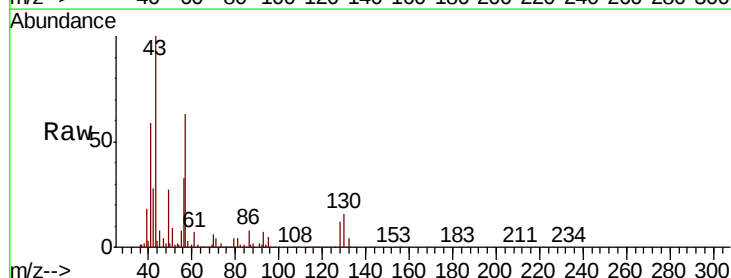
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.9	11.9
61	9.1	7.4	11.2
70	6.3	5.1	7.7

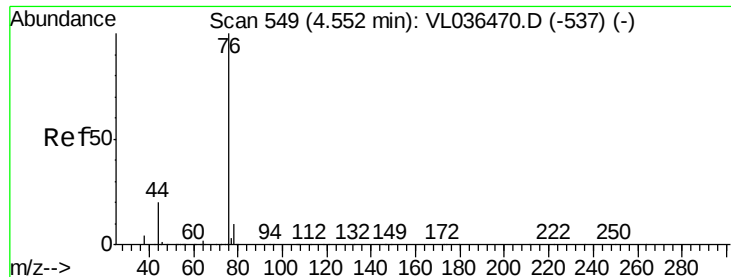


#26
Hexane
Concen: 9.134 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Tgt Ion: 57 Resp: 1444137

Ion	Ratio	Lower	Upper
57	100		
41	96.8	77.2	115.8
43	208.3	173.8	260.6
56	54.5	43.8	65.6





#27

Carbon Disulfide

Concen: 9.658 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampled :

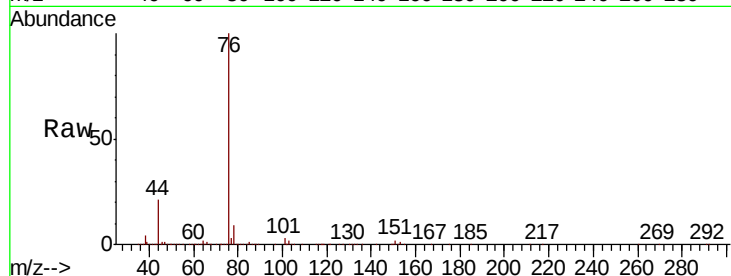
Tot Ion: 76 Resp: 1504367

Ion Ratio Lower Upper

76 100

44 21.5 17.5 26.3

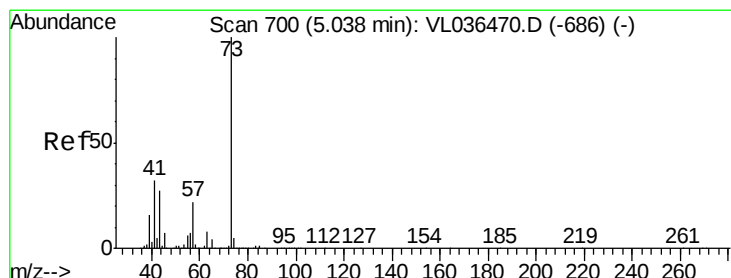
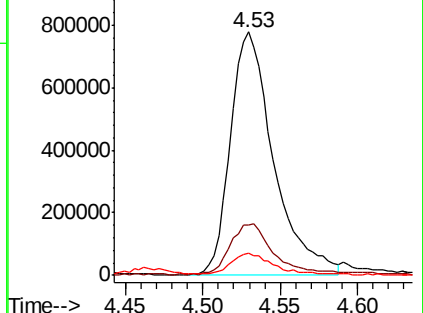
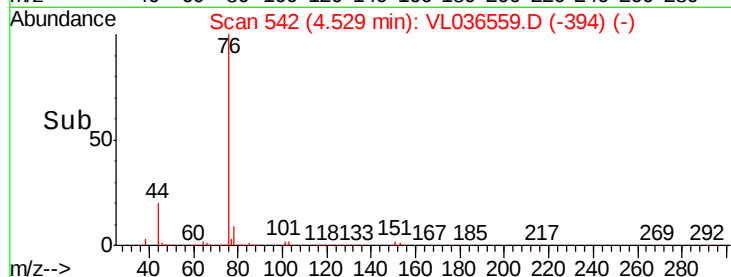
78 9.3 8.6 13.0



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: 8.362 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.02 min

Lab File: VL036559.D

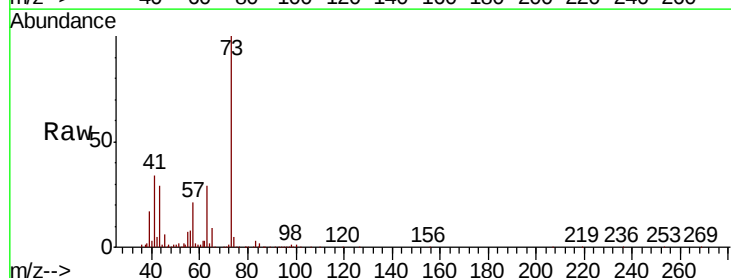
Acq: 30 Mar 2021 5:51

Tgt Ion: 73 Resp: 1559160

Ion Ratio Lower Upper

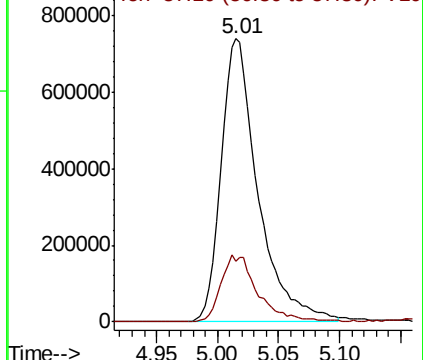
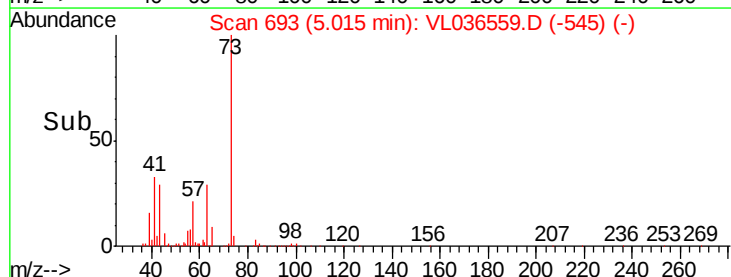
73 100

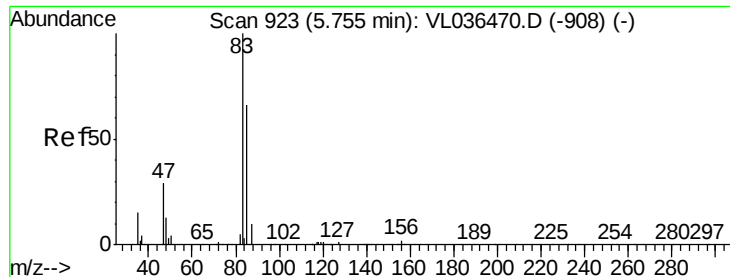
57 23.8 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

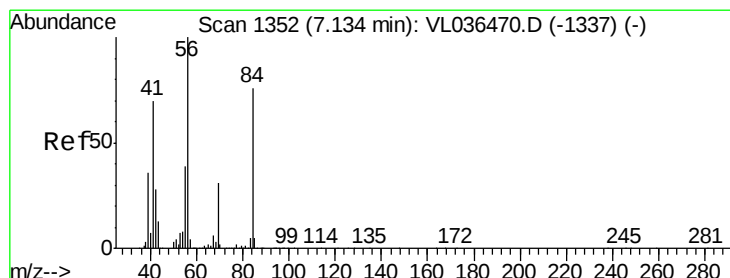
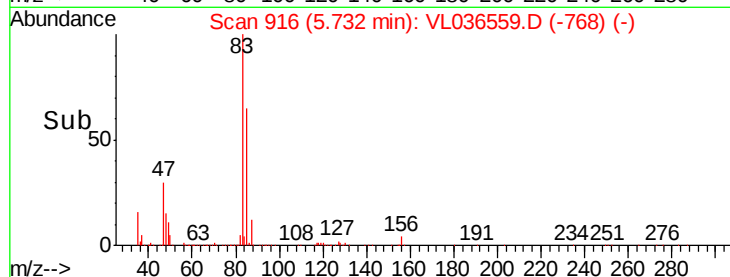
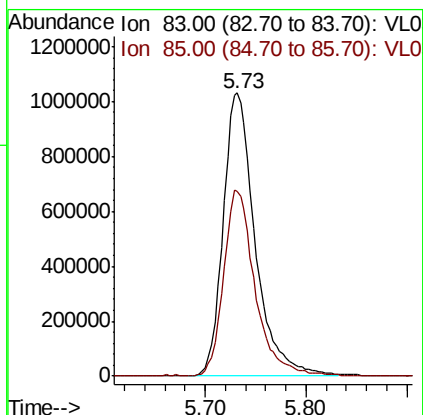
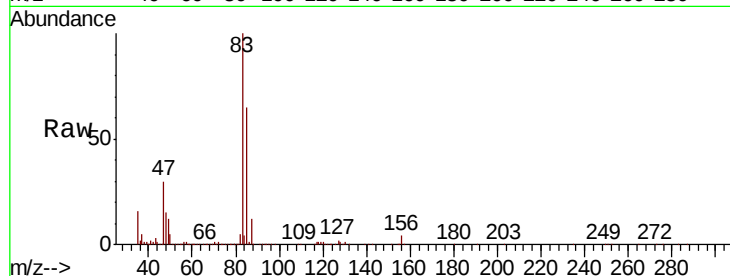




#29
Chloroform
Concen: 9.013 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

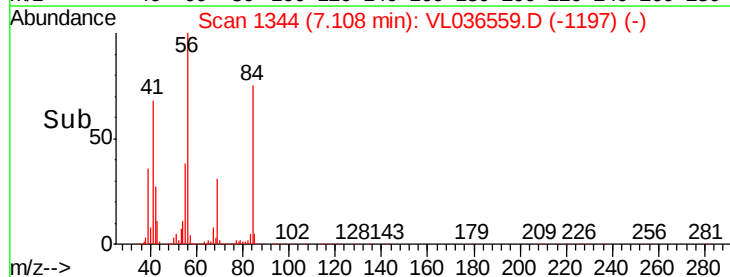
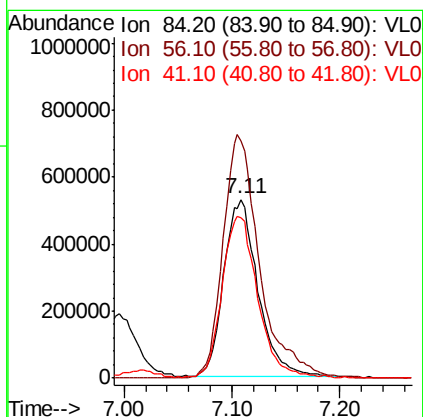
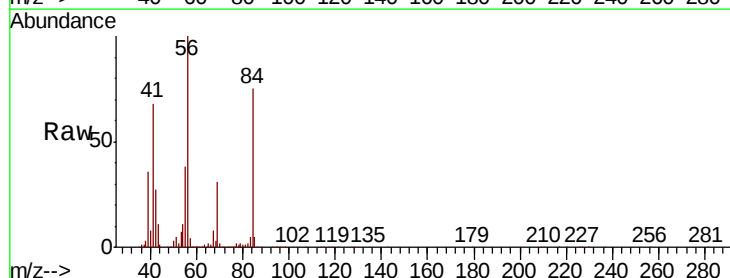
Instrument :
MSVOA_L
ClientSampleId :

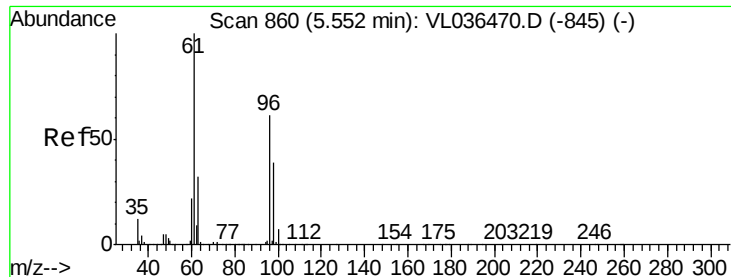
Tot Ion: 83 Resp: 2279127
Ion Ratio Lower Upper
83 100
85 65.2 52.6 78.8



#30
Cyclohexane
Concen: 9.128 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Tgt Ion: 84 Resp: 1170482
Ion Ratio Lower Upper
84 100
56 147.6 114.6 171.8
41 95.1 75.3 112.9



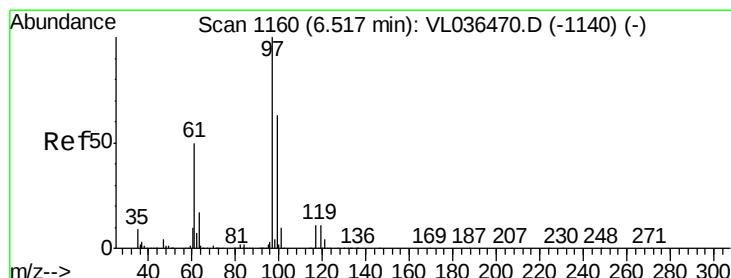
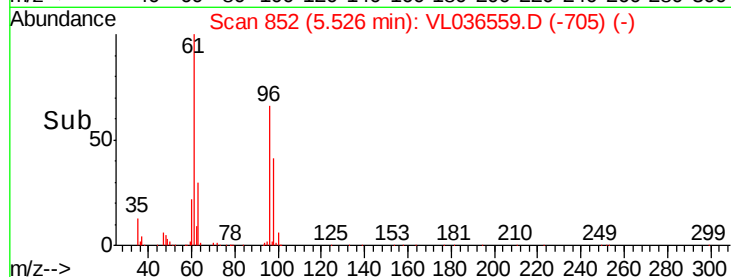
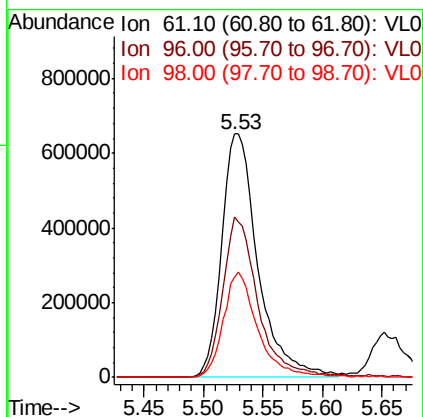
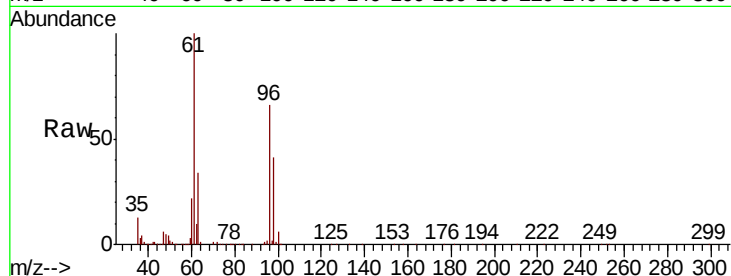


#31

cis-1,2-Dichloroethene
 Concen: 8.968 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Instrument :
 MSVOA_L
 ClientSampleId :

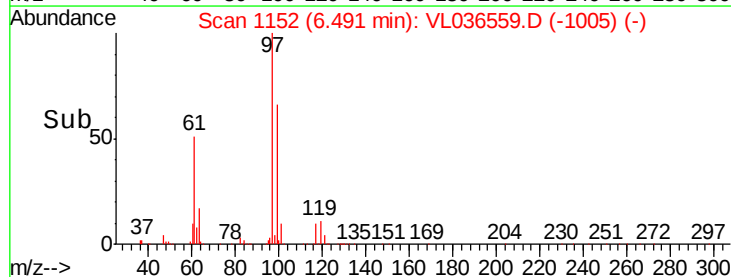
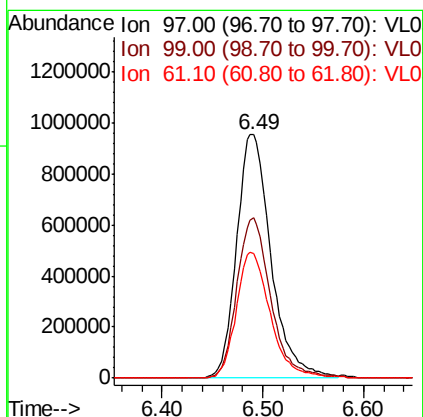
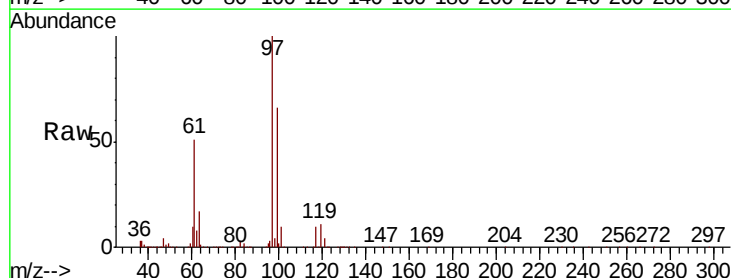
Tot Ion: 61 Resp: 1371490
 Ion Ratio Lower Upper
 61 100
 96 65.9 48.7 73.1
 98 41.1 31.4 47.0

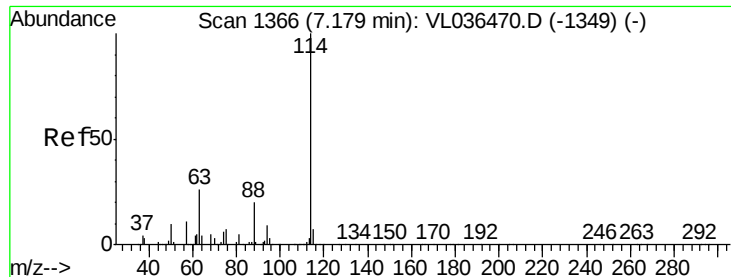


#32

1,1,1-Trichloroethane
 Concen: 8.848 ppbv
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Tgt Ion: 97 Resp: 2254851
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.4 77.0
 61 51.3 40.6 60.8



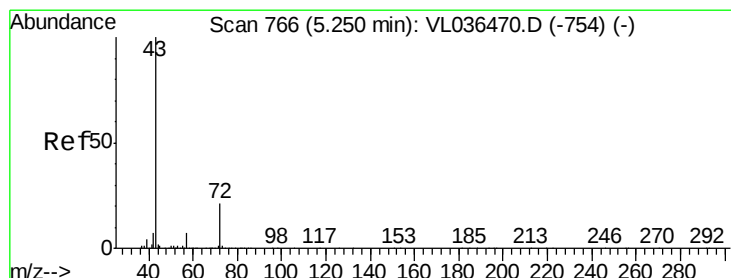
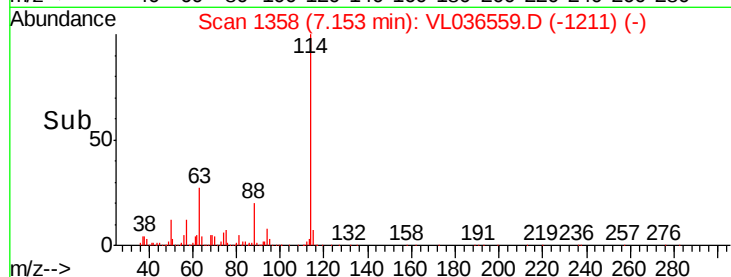
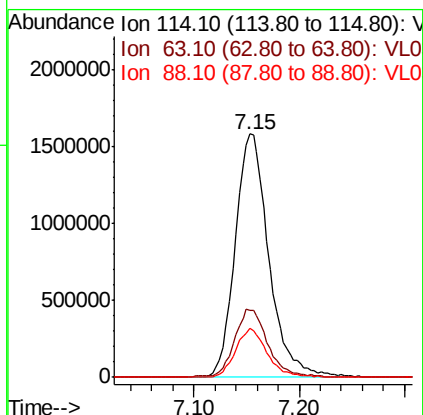
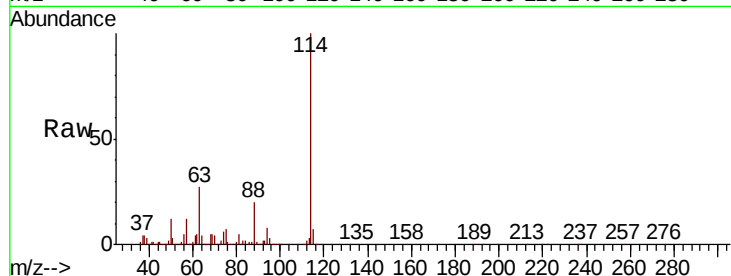


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3490569

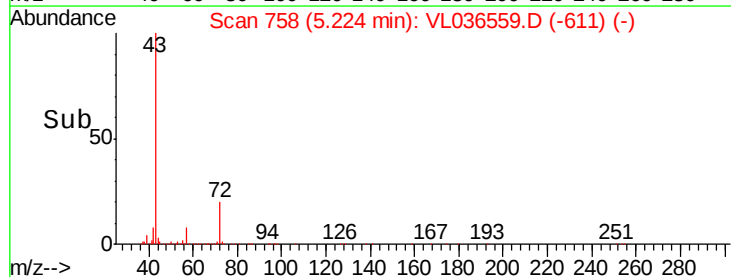
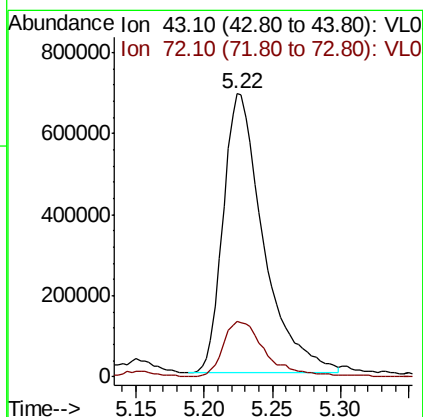
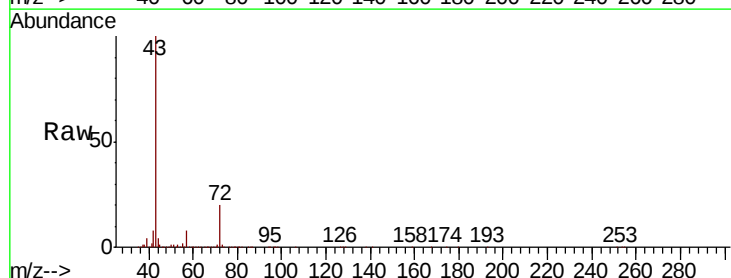
Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.4	33.6
88	19.0	15.4	23.0

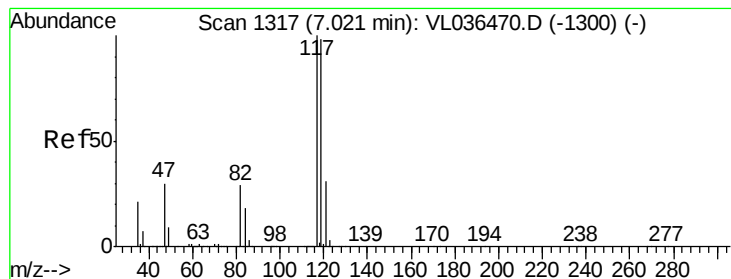


#34
 2-Butanone
 Concen: 8.339 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Tgt Ion: 43 Resp: 1420787

Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.0	25.6





#35

Carbon Tetrachloride

Concen: 8.843 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

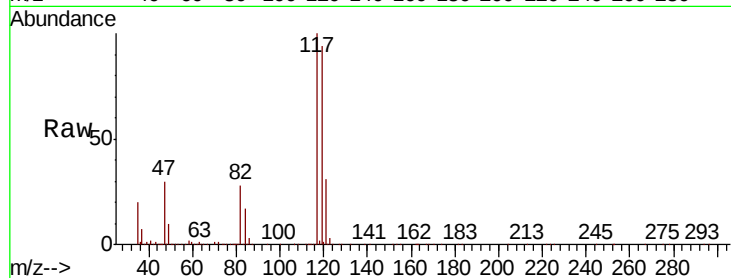
Tot Ion:117 Resp: 2370899

Ion Ratio Lower Upper

117 100

119 93.5 78.2 117.2

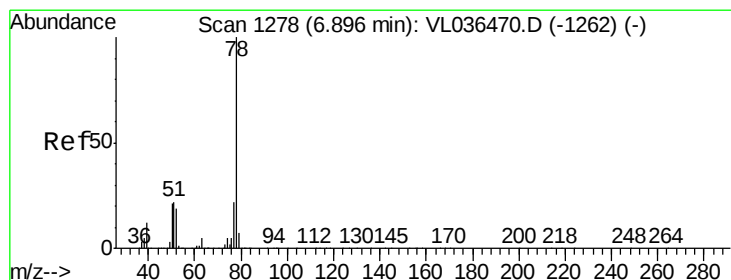
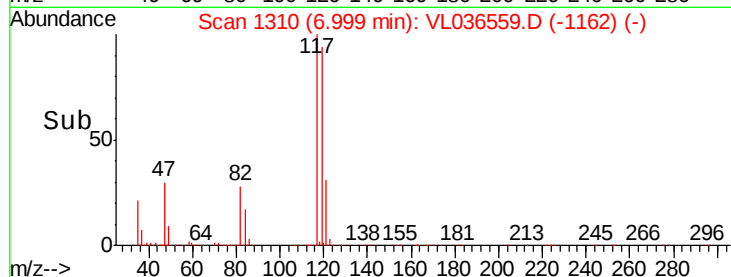
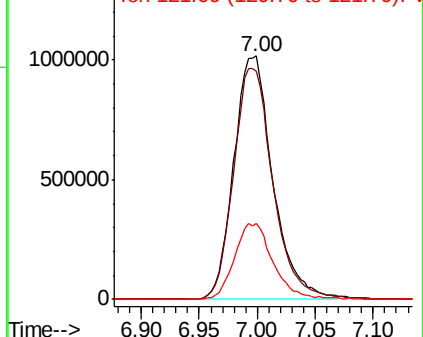
121 31.2 24.5 36.7



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: 9.048 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

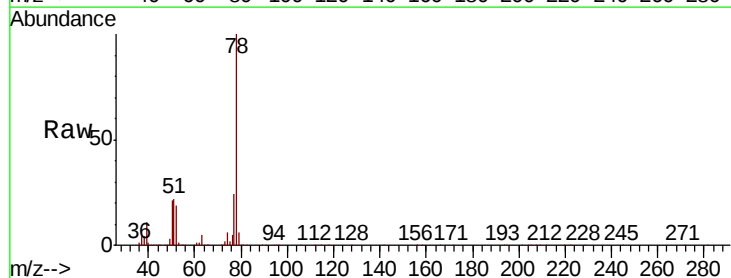
Tgt Ion: 78 Resp: 2912842

Ion Ratio Lower Upper

78 100

77 23.7 18.0 27.0

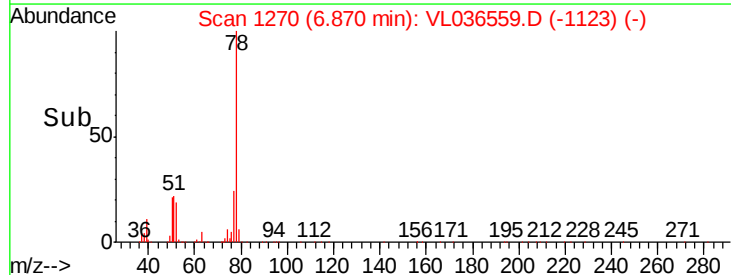
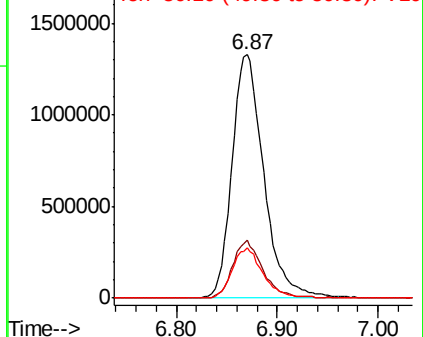
50 20.9 16.5 24.7

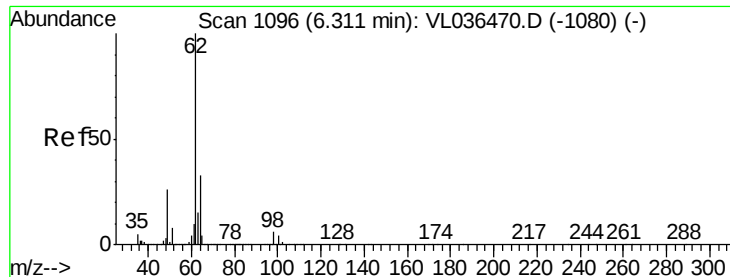


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

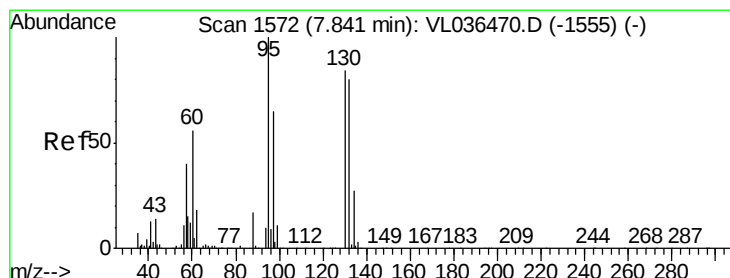
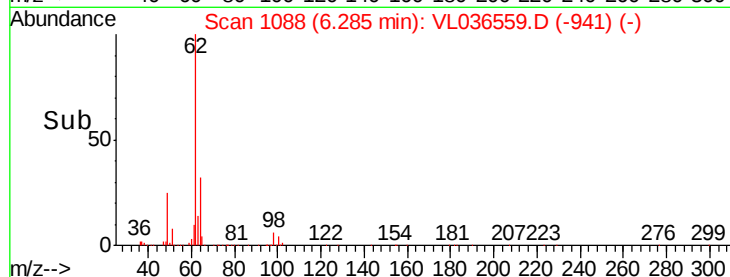
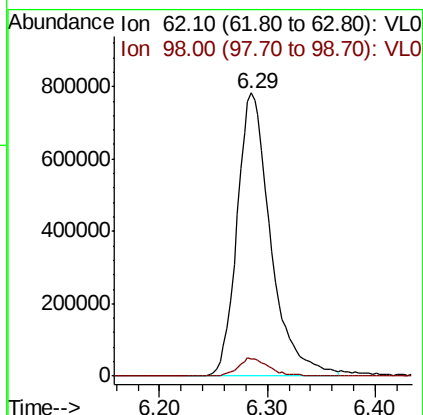
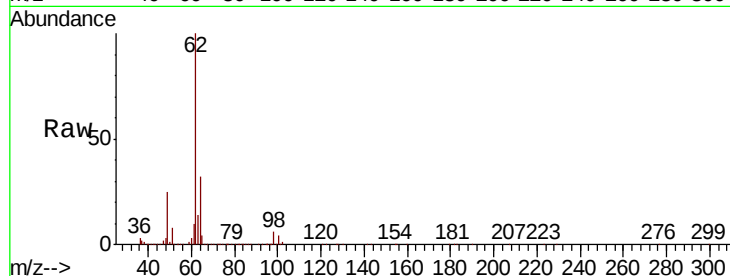




#37
 1,2-Dichloroethane
 Concen: 8.960 ppbv
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

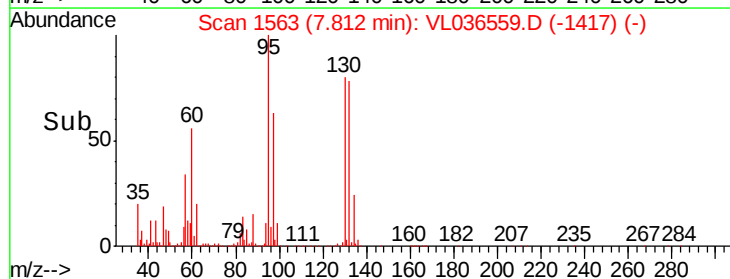
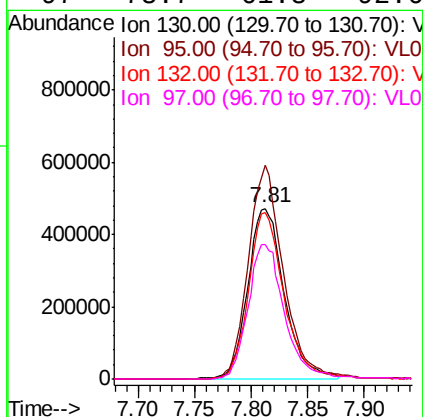
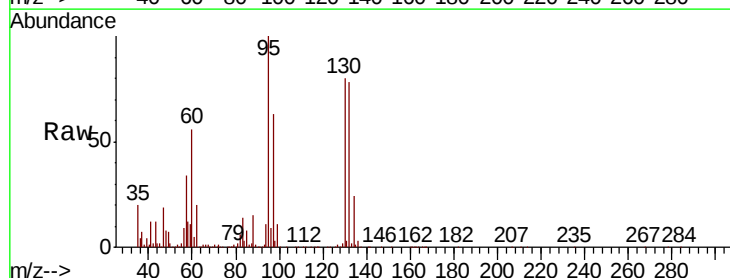
Instrument :
 MSVOA_L
 ClientSampleId :

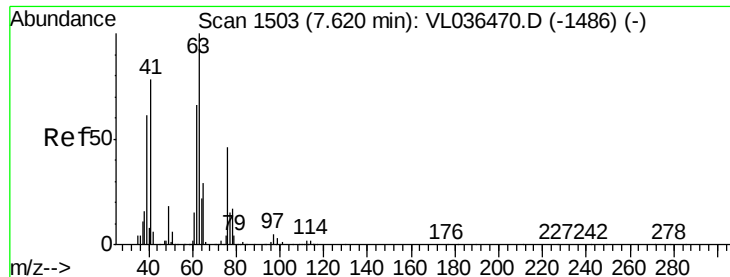
Tot Ion: 62 Resp: 1697685
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.9 7.3



#38
 Trichloroethene
 Concen: 8.428 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Tgt Ion: 130 Resp: 1055910
 Ion Ratio Lower Upper
 130 100
 95 125.2 95.7 143.5
 132 97.7 76.2 114.4
 97 78.7 61.8 92.6





#39

1,2-Dichloropropane

Concen: 8.976 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

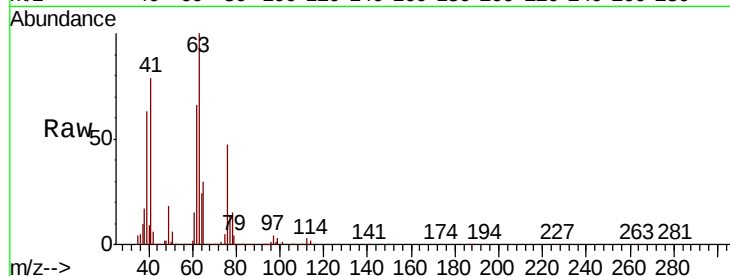
Tot Ion: 63 Resp: 1172222

Ion Ratio Lower Upper

63 100

41 78.6 62.4 93.6

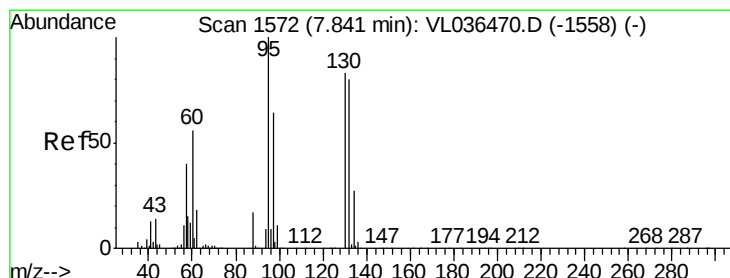
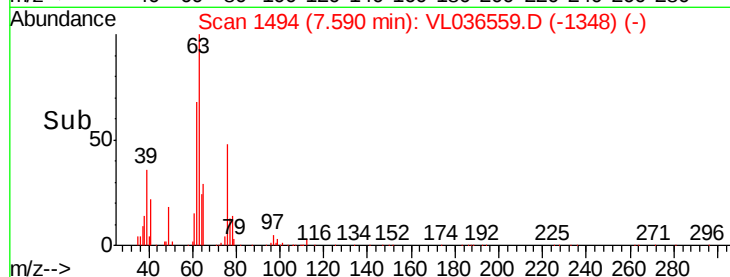
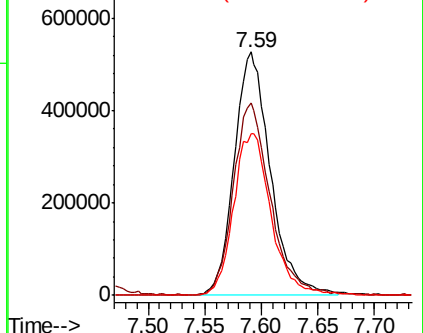
62 66.1 52.8 79.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 6.674 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Tgt Ion: 88 Resp: 202842

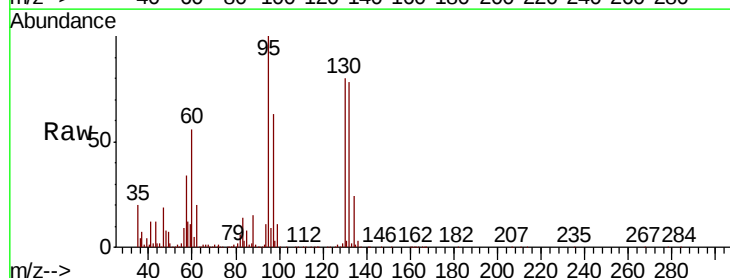
Ion Ratio Lower Upper

88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

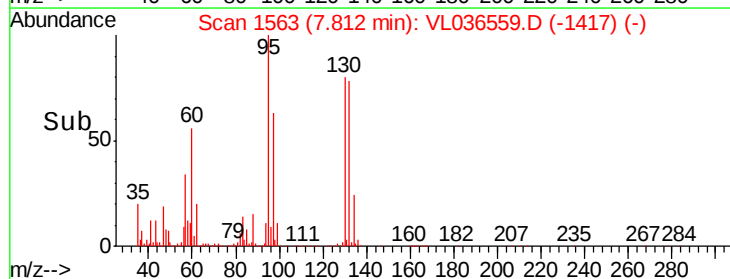
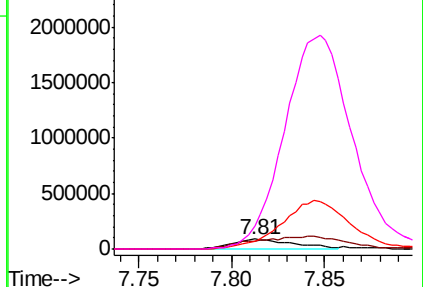


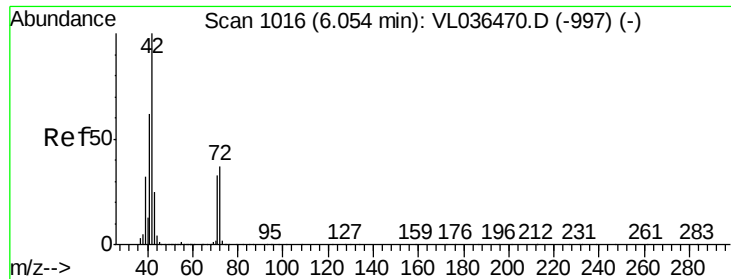
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

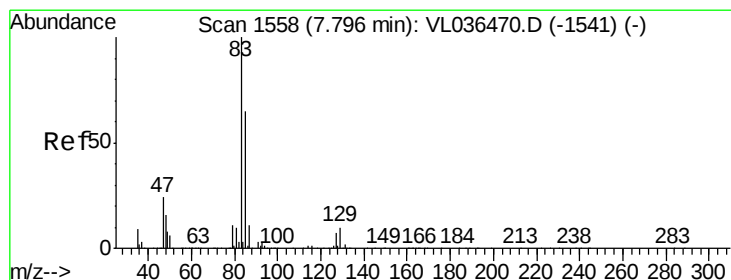
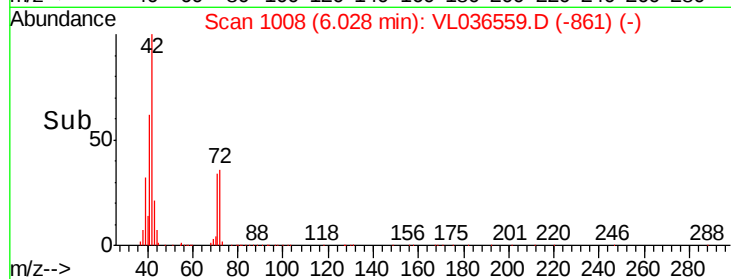
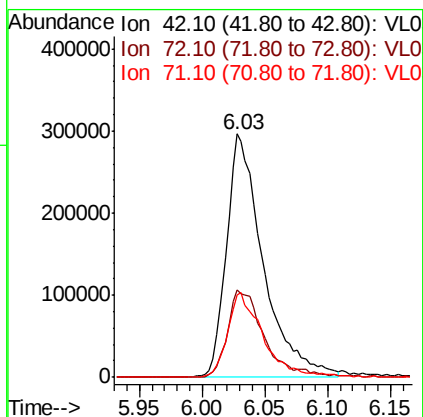
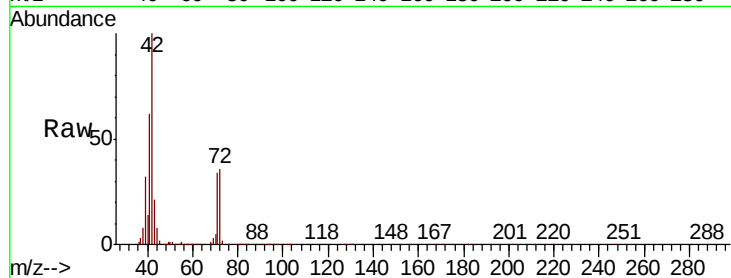




#41
Tetrahydrofuran
Concen: 7.632 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.03 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

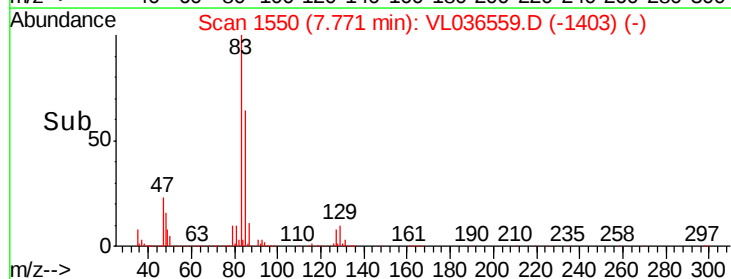
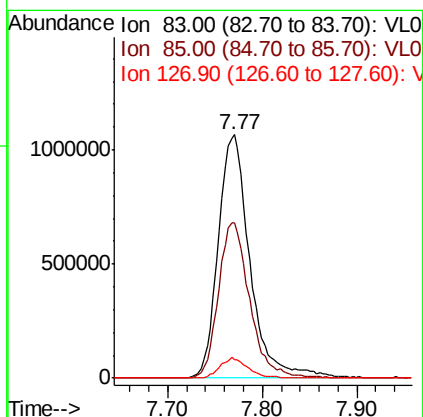
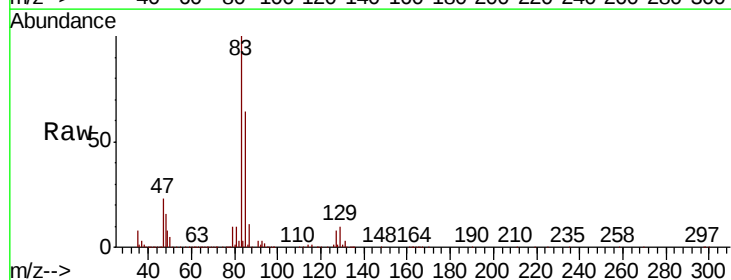
Instrument :
MSVOA_L
ClientSampled :

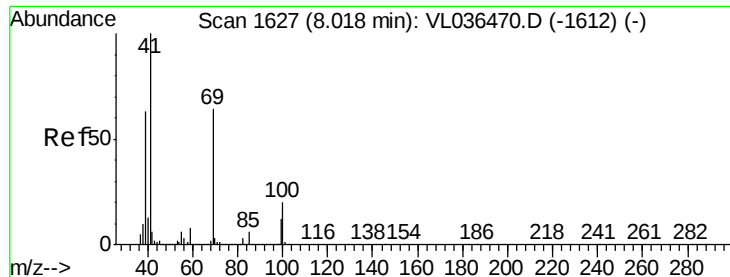
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	27.6	41.4
71	34.5	27.0	40.4



#42
Bromodichloromethane
Concen: 9.618 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.03 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6
127	7.7	5.8	8.8





#43

Methyl Methacrylate

Concen: 10.200 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

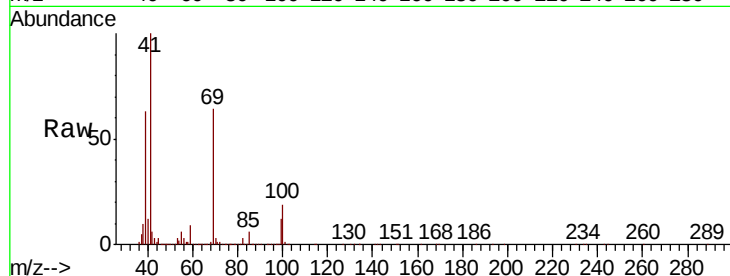
Tot Ion: 69 Resp: 1102590

Ion Ratio Lower Upper

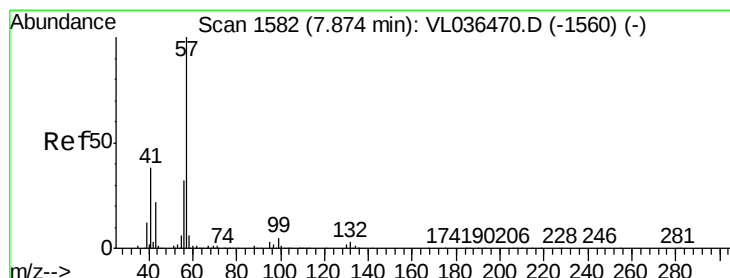
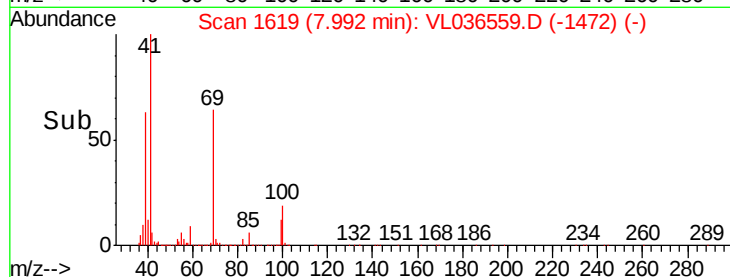
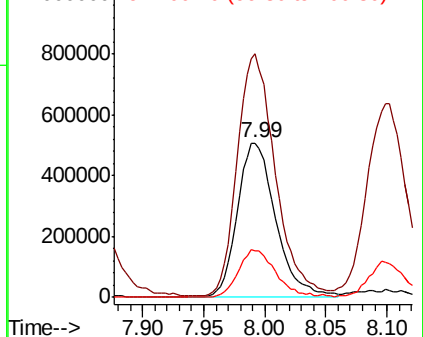
69 100

41 156.7 126.8 190.2

100 30.4 24.9 37.3



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



#44

2,2,4-Trimethylpentane

Concen: 8.763 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

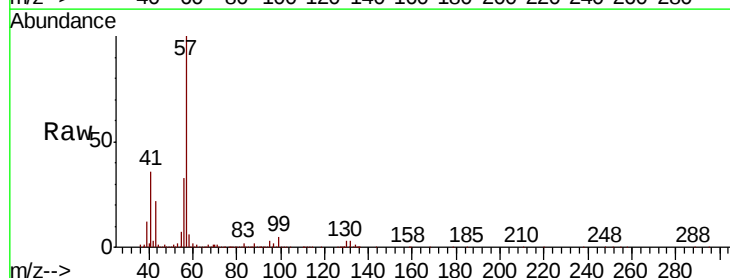
Tgt Ion: 57 Resp: 4964727

Ion Ratio Lower Upper

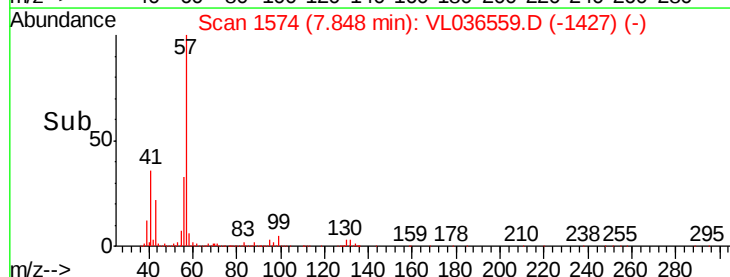
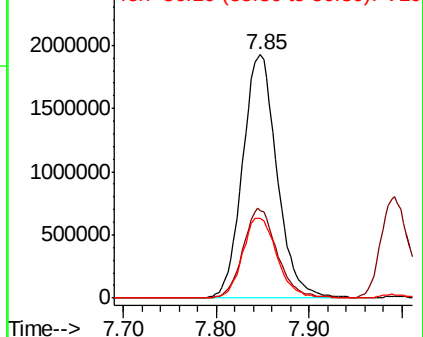
57 100

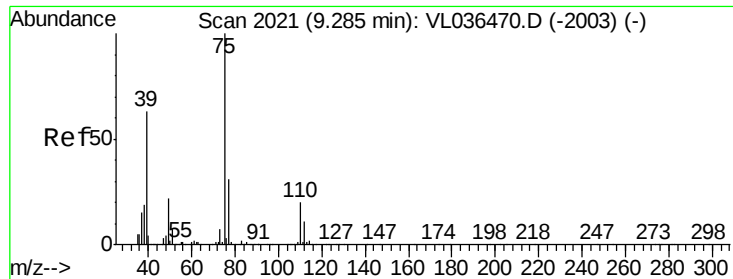
41 36.2 28.8 43.2

56 33.1 26.1 39.1



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

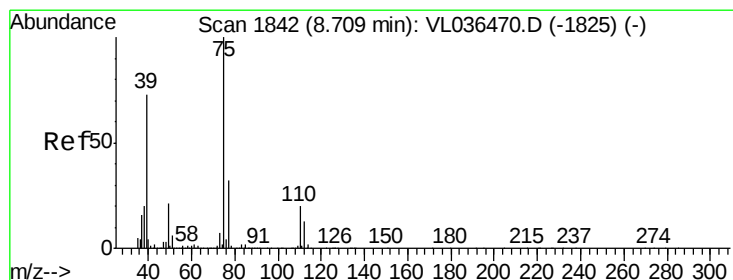
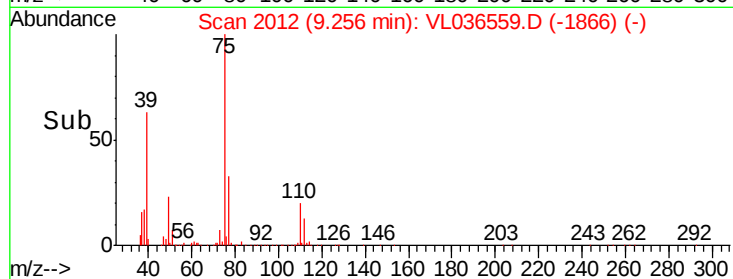
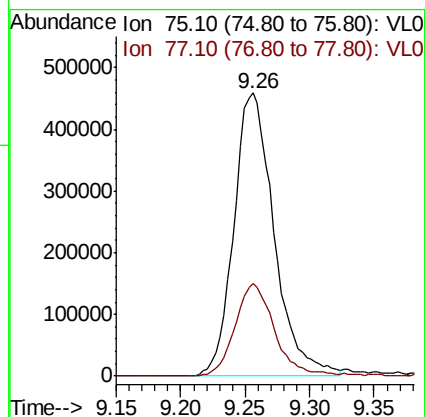
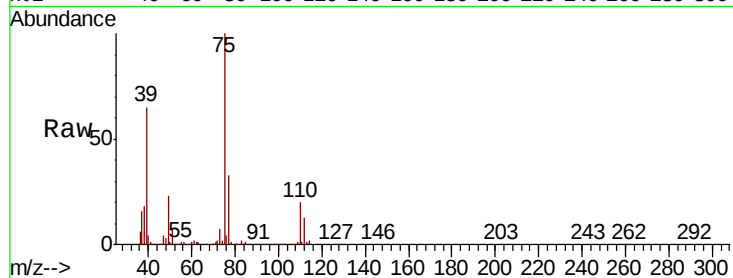




#45
t-1,3-Dichloropropene
Concen: 8.060 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.03 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

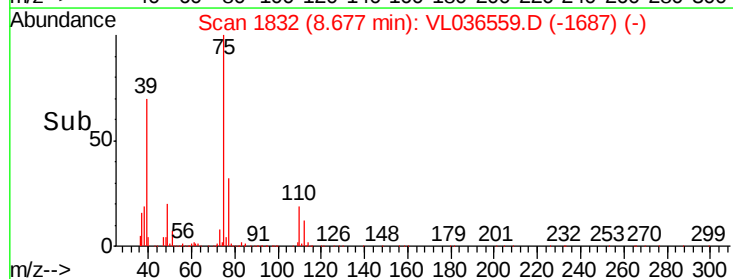
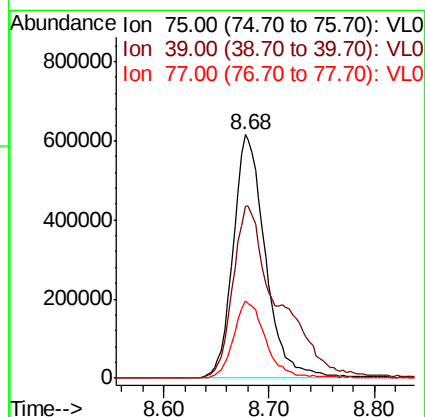
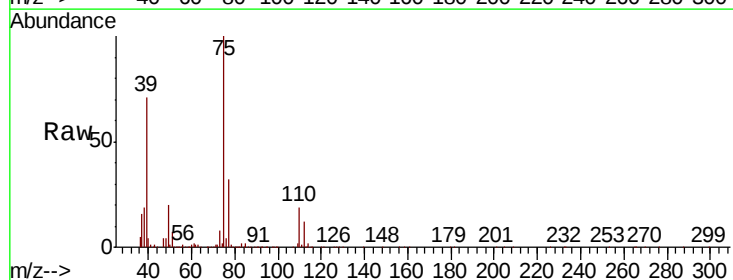
Instrument :
MSVOA_L
ClientSampleId :

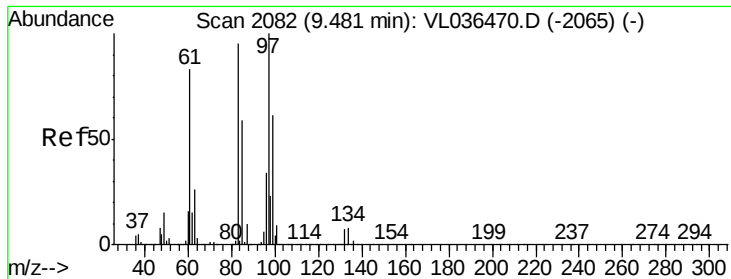
Tot Ion: 75 Resp: 994935
Ion Ratio Lower Upper
75 100
77 32.8 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 8.238 ppbv
RT: 8.68 min Scan# 1832
Delta R.T. -0.03 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Tgt Ion: 75 Resp: 1299790
Ion Ratio Lower Upper
75 100
39 70.6 58.2 87.2
77 31.8 25.2 37.8

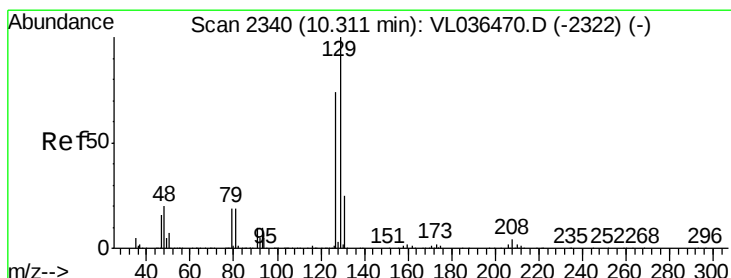
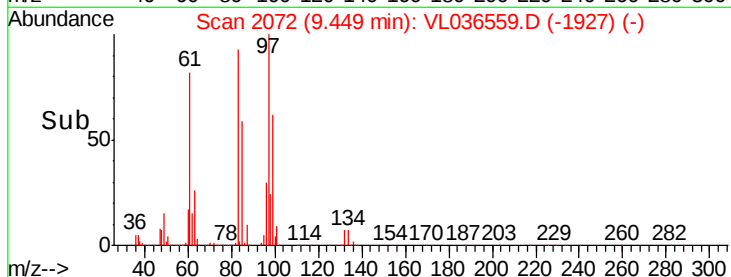
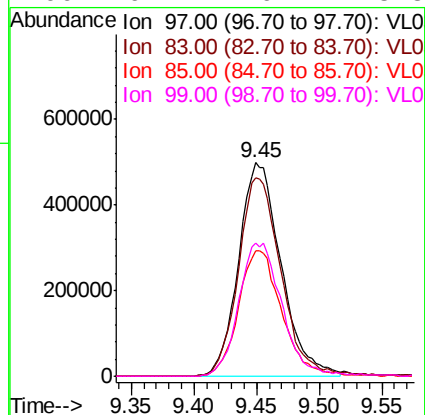
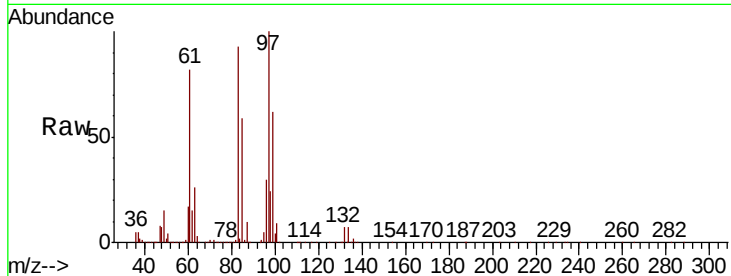




#47
 1,1,2-Trichloroethane
 Concen: 8.860 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

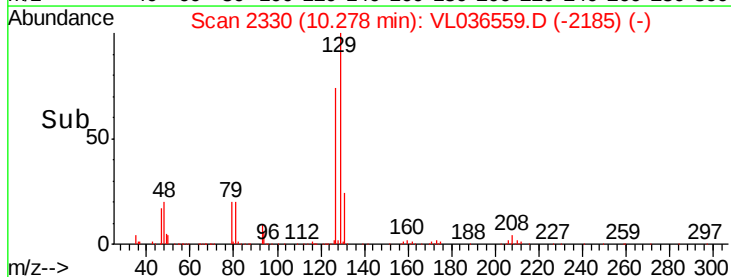
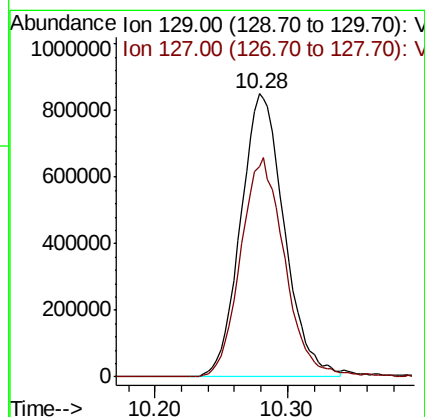
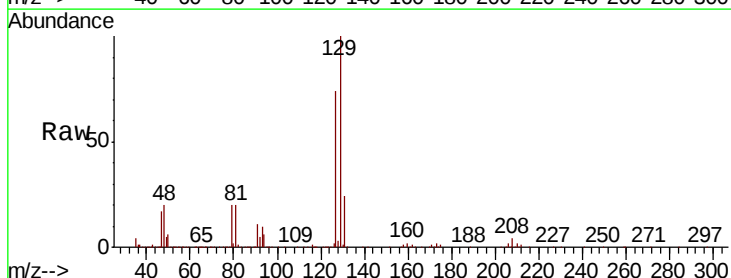
Instrument :
 MSVOA_L
 ClientSampleId :

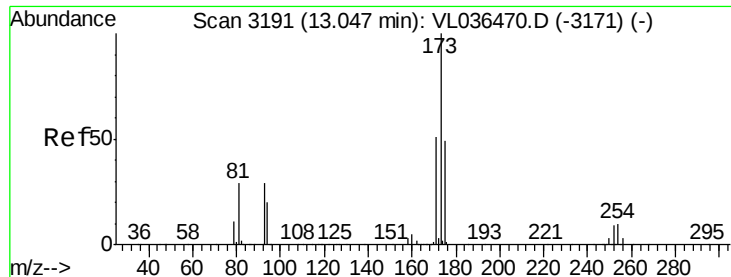
Tot Ion: 97 Resp: 1171858
 Ion Ratio Lower Upper
 97 100
 83 92.8 75.8 113.8
 85 58.9 47.1 70.7
 99 62.1 49.2 73.8



#48
 Dibromochloromethane
 Concen: 9.619 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Tgt Ion: 129 Resp: 1939448
 Ion Ratio Lower Upper
 129 100
 127 79.0 39.6 118.8





#49

Bromoform

Concen: 9.777 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

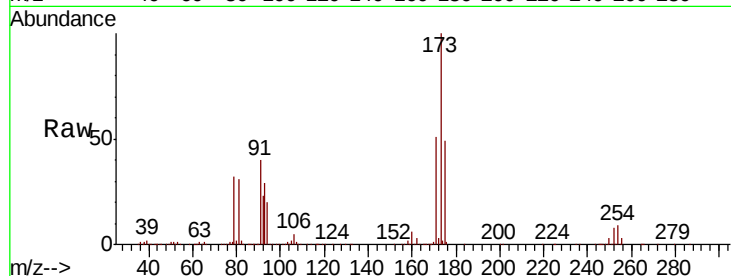
Tot Ion:173 Resp: 1588448

Ion Ratio Lower Upper

173 100

175 49.6 39.6 59.4

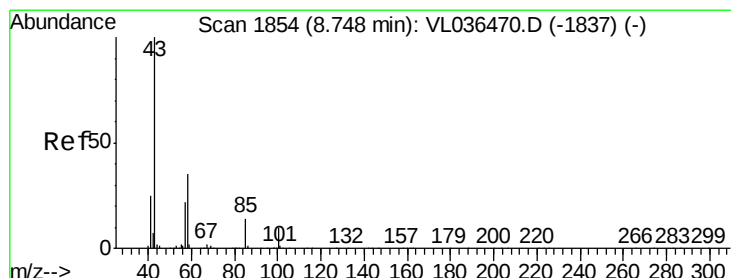
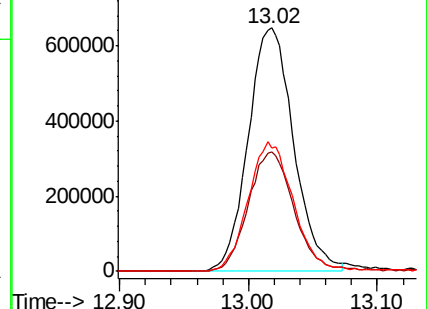
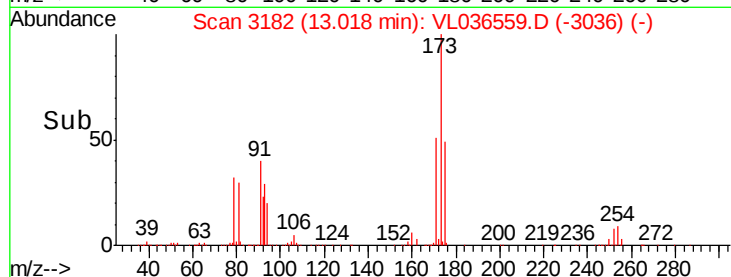
171 53.7 41.4 62.0



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: 8.776 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.03 min

Lab File: VL036559.D

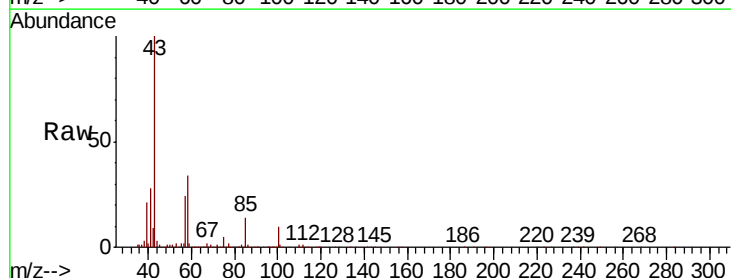
Acq: 30 Mar 2021 5:51

Tgt Ion: 43 Resp: 2163747

Ion Ratio Lower Upper

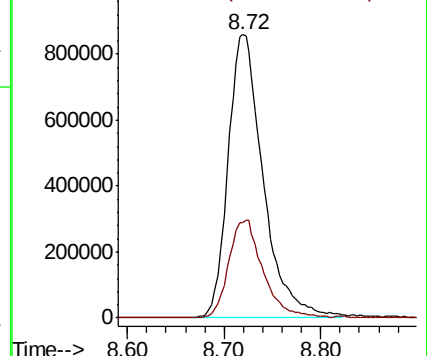
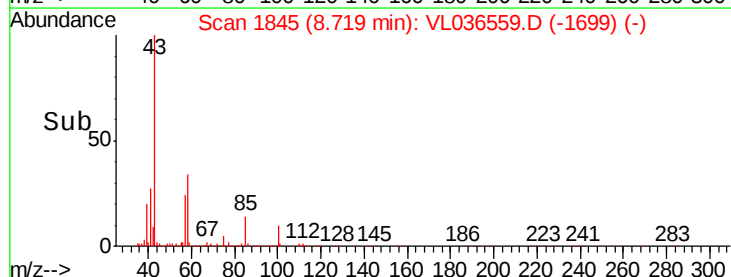
43 100

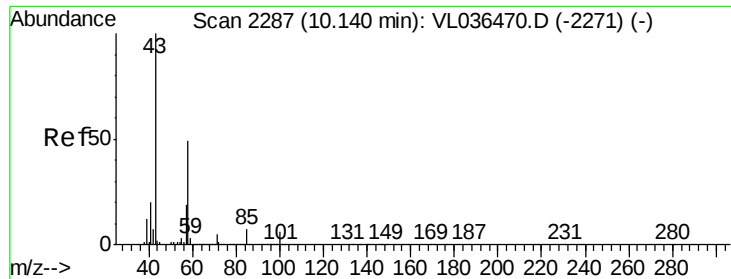
58 34.3 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

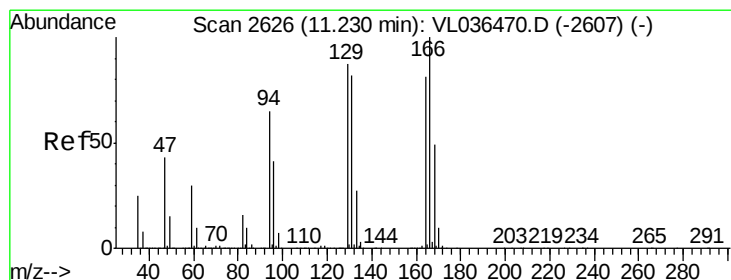
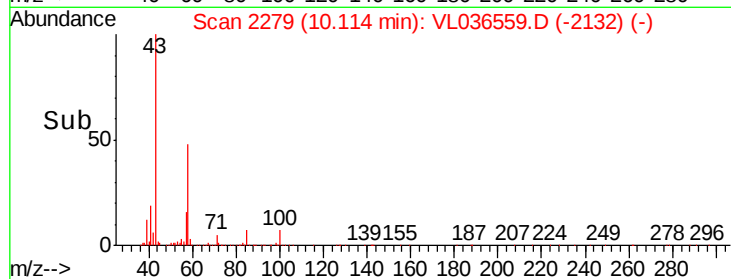
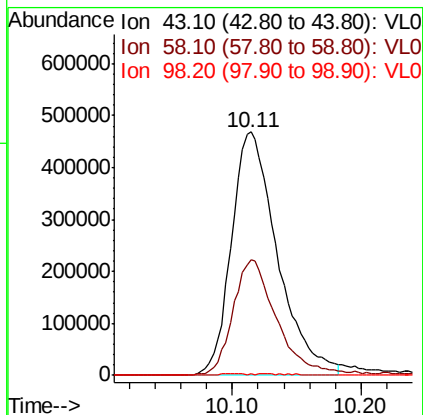
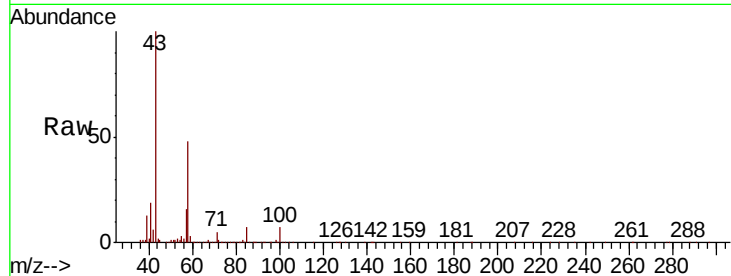




#51
2-Hexanone
Concen: 9.296 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.03 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

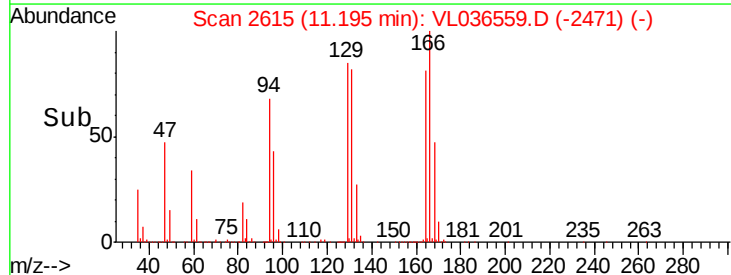
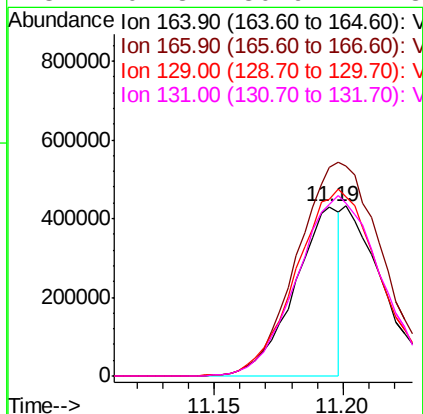
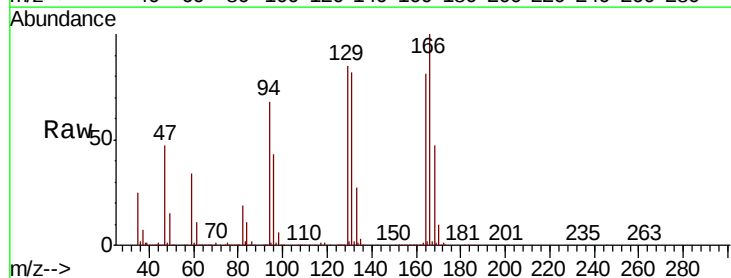
Instrument :
MSVOA_L
ClientSampleId :

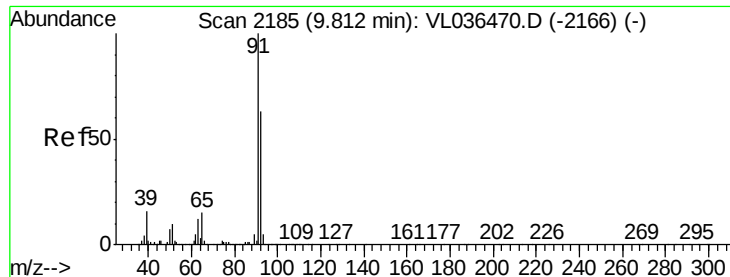
Tot Ion: 43 Resp: 1156522
Ion Ratio Lower Upper
43 100
58 46.5 37.7 56.5
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 4.406 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Tgt Ion:164 Resp: 522263
Ion Ratio Lower Upper
164 100
166 123.0 98.3 147.5
129 104.1 85.8 128.8
131 101.3 80.9 121.3





#53

Toluene

Concen: 9.517 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

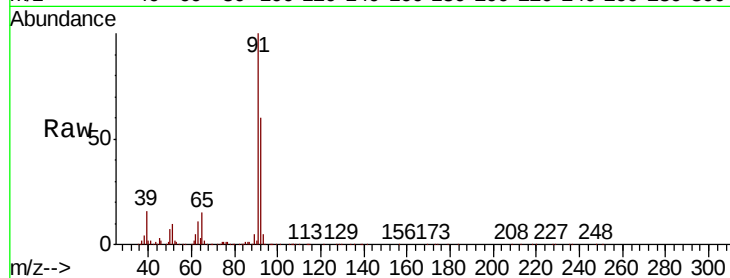
ClientSampleId :

Tot Ion: 91 Resp: 3262816

Ion Ratio Lower Upper

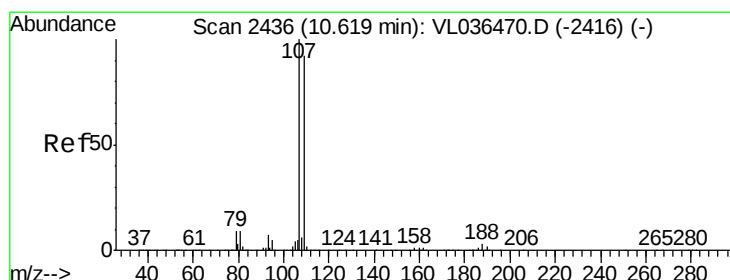
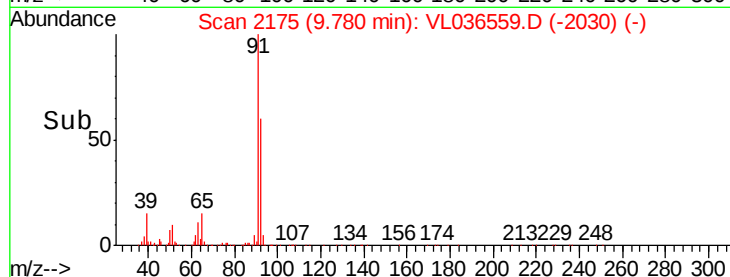
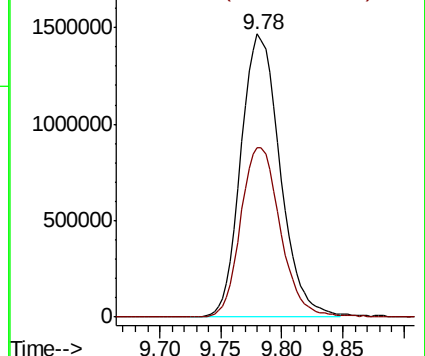
91 100

92 60.7 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: 9.049 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.04 min

Lab File: VL036559.D

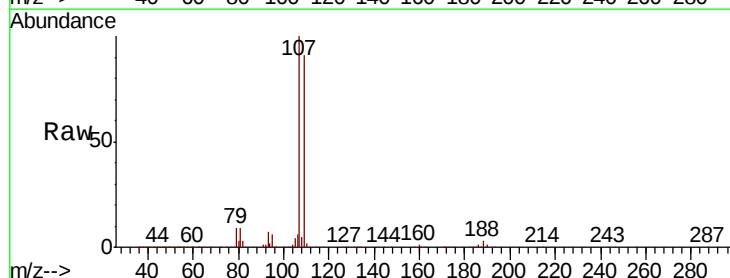
Acq: 30 Mar 2021 5:51

Tgt Ion: 107 Resp: 1690257

Ion Ratio Lower Upper

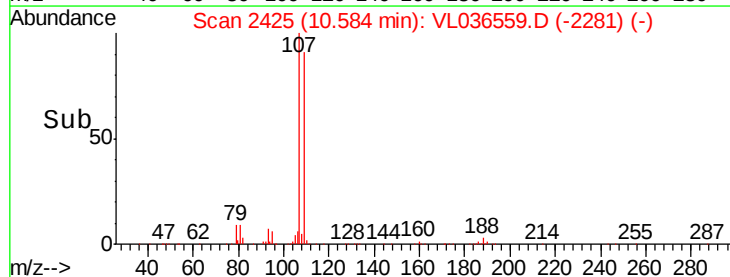
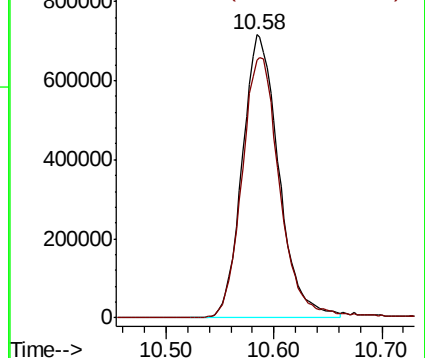
107 100

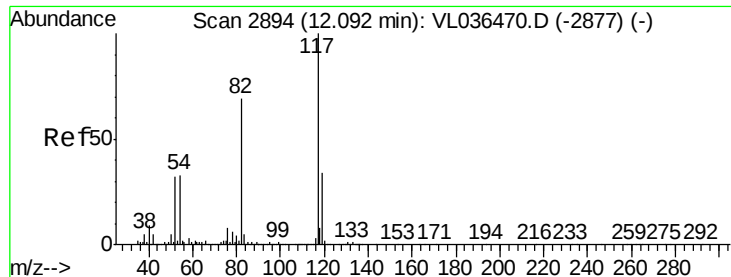
109 91.0 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

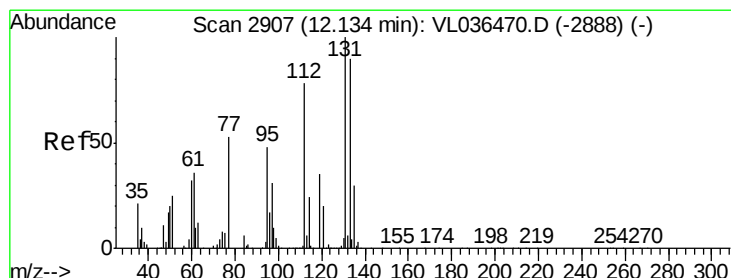
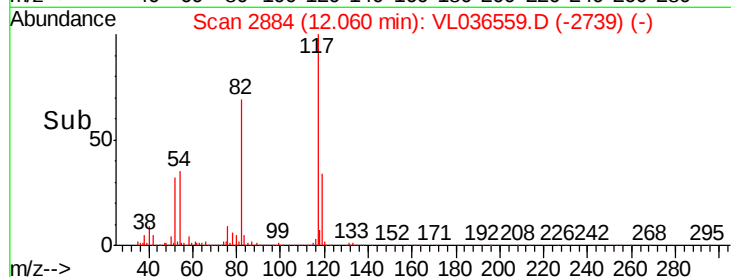
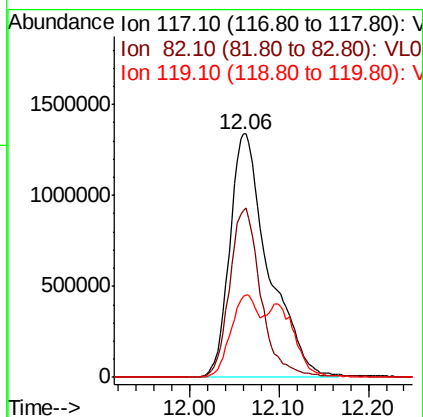
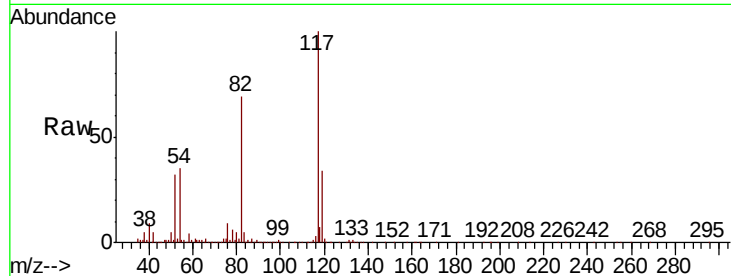




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.03 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

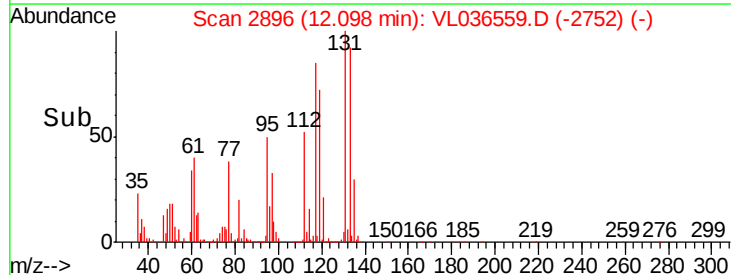
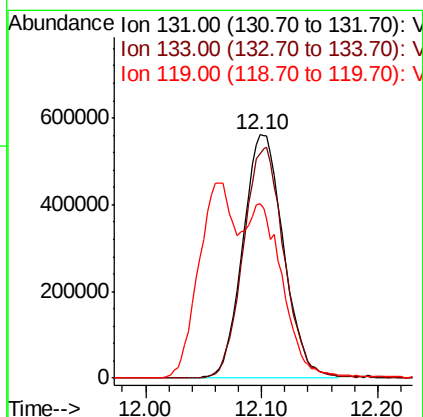
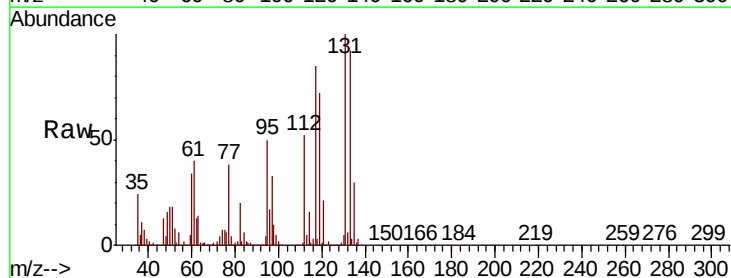
Instrument :
MSVOA_L
ClientSampleId :

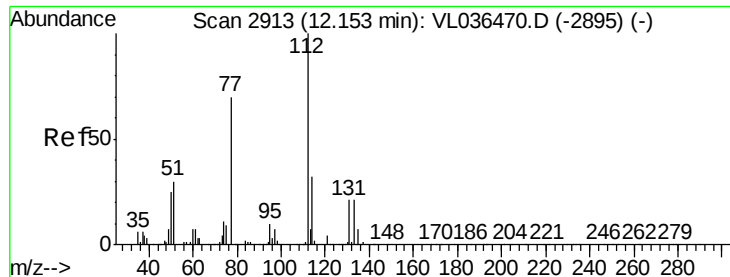
Tot Ion:117 Resp: 4038258
Ion Ratio Lower Upper
117 100
82 56.7 57.4 86.0#
119 25.2 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.507 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.04 min
Lab File: VL036559.D
Acq: 30 Mar 2021 5:51

Tgt Ion:131 Resp: 1371107
Ion Ratio Lower Upper
131 100
133 95.8 75.8 113.6
119 59.7 48.7 73.1





#57

Chlorobenzene

Concen: 7.030 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

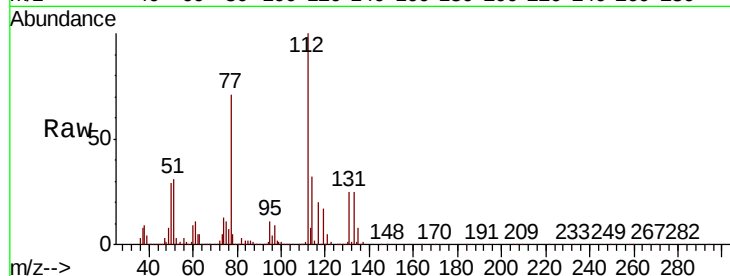
Tot Ion:112 Resp: 2415496

Ion Ratio Lower Upper

112 100

77 70.3 56.0 84.0

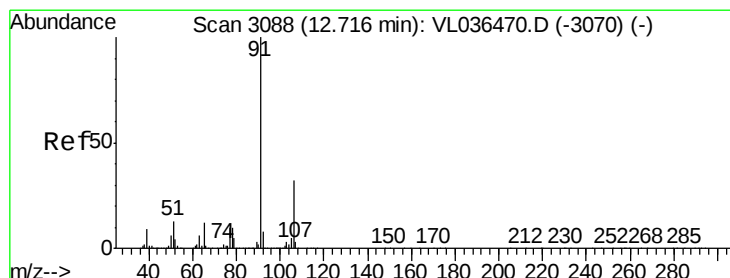
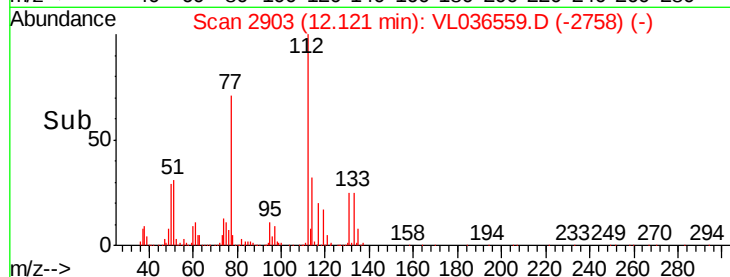
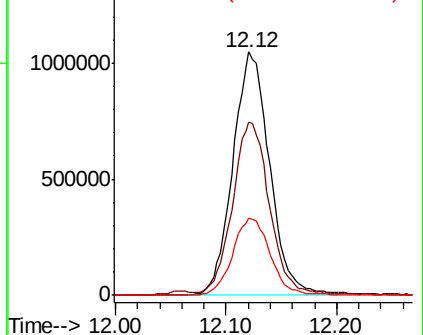
114 31.5 29.0 35.4



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: 7.487 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.03 min

Lab File: VL036559.D

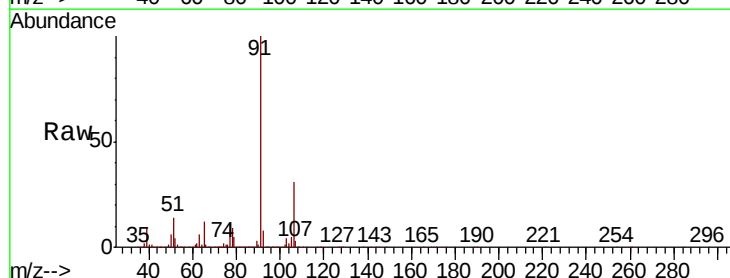
Acq: 30 Mar 2021 5:51

Tgt Ion: 91 Resp: 4398558

Ion Ratio Lower Upper

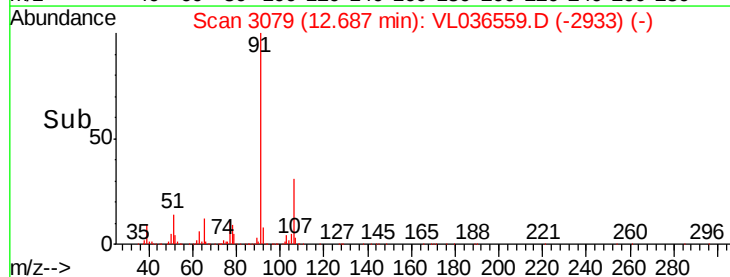
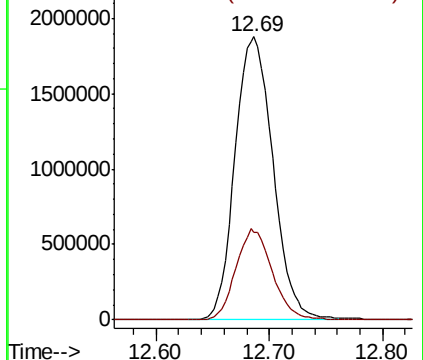
91 100

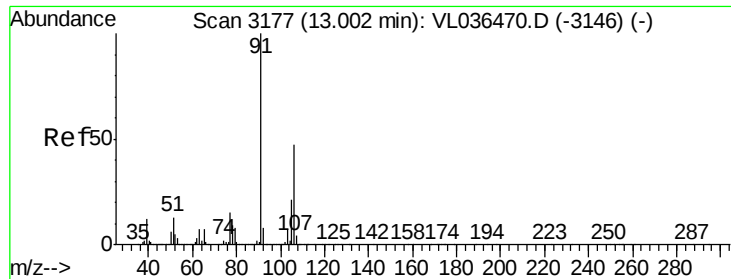
106 31.0 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.521 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

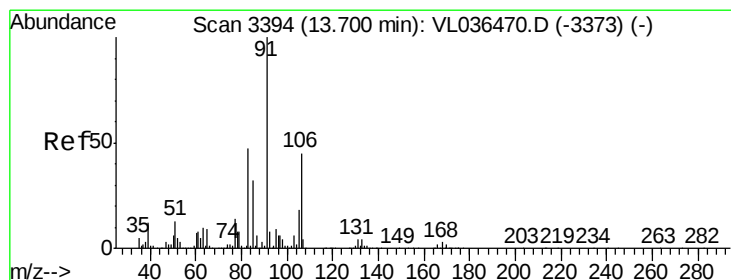
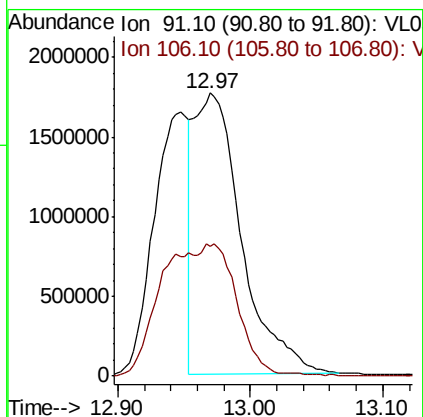
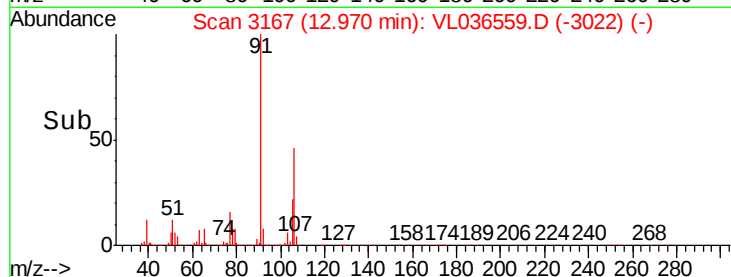
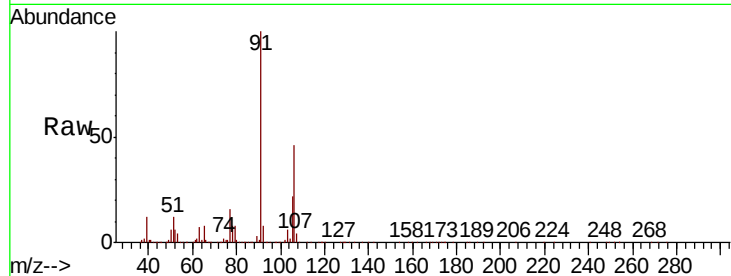
ClientSampleId :

Tot Ion: 91 Resp: 4366315

Ion Ratio Lower Upper

91 100

106 75.3 35.3 52.9#



#60

o-Xylene

Concen: 7.138 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.03 min

Lab File: VL036559.D

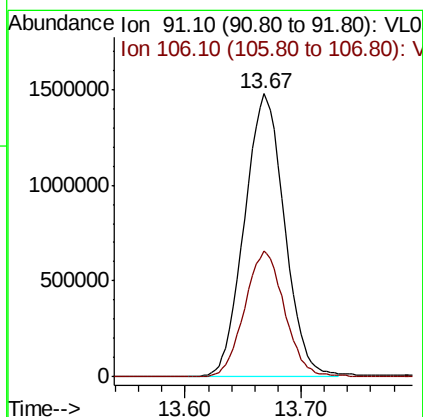
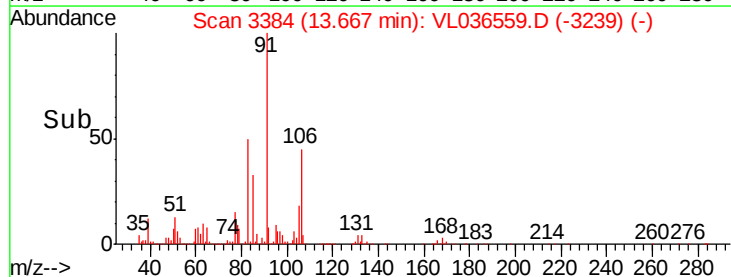
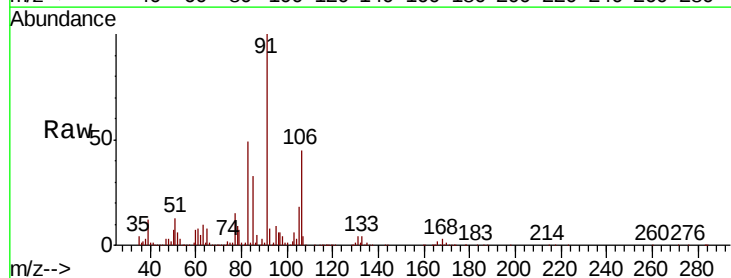
Acq: 30 Mar 2021 5:51

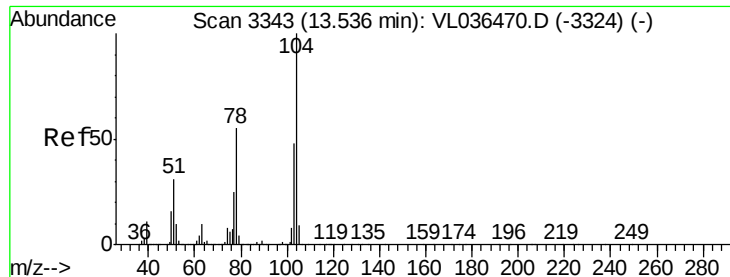
Tgt Ion: 91 Resp: 3536847

Ion Ratio Lower Upper

91 100

106 44.9 22.3 66.9





#61

Stvrene

Concen: 7.764 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

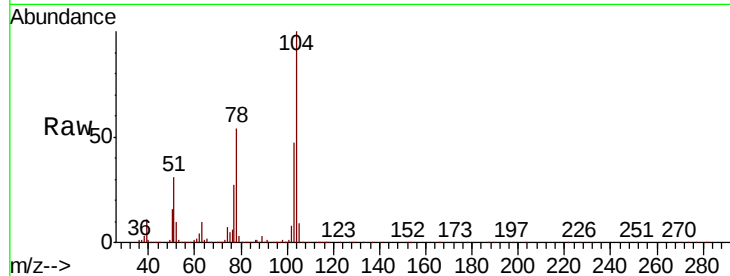
Tot Ion:104 Resp: 1935485

Ion Ratio Lower Upper

104 100

78 53.7 43.8 65.8

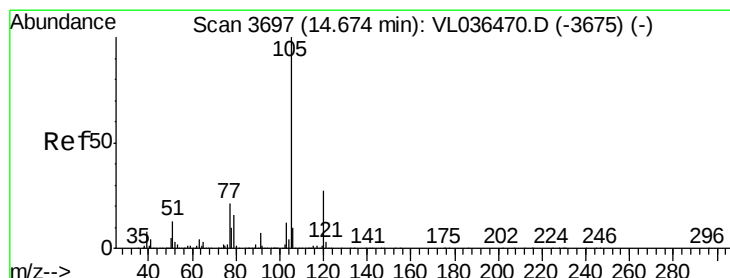
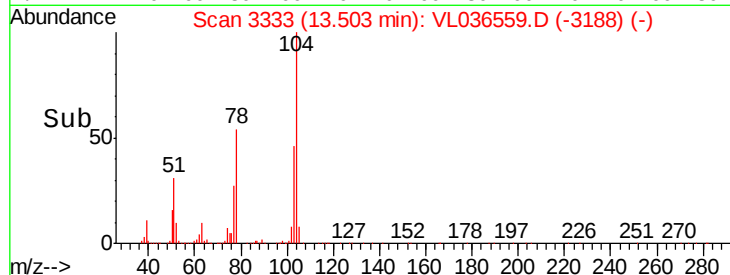
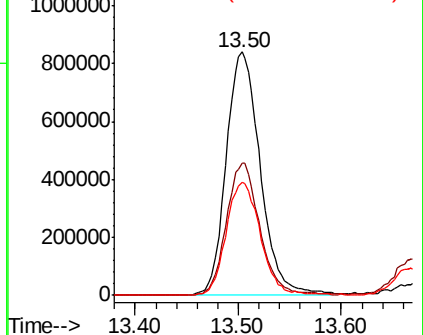
103 47.0 38.3 57.5



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: 7.300 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.03 min

Lab File: VL036559.D

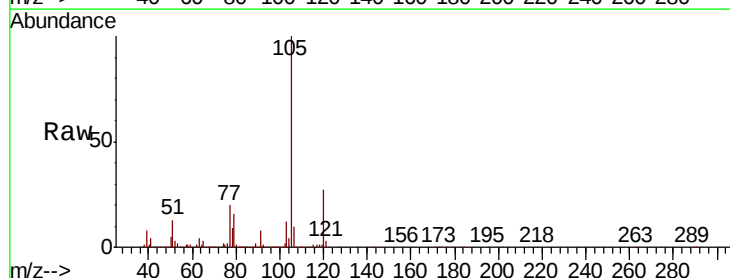
Acq: 30 Mar 2021 5:51

Tgt Ion:105 Resp: 4871220

Ion Ratio Lower Upper

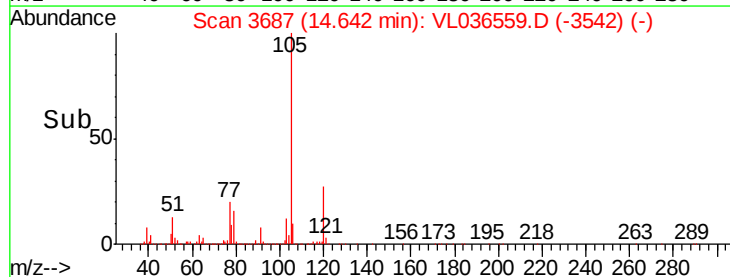
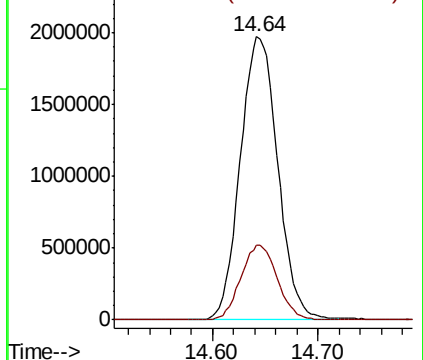
105 100

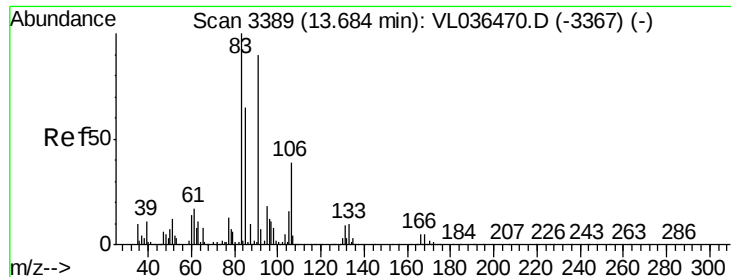
120 26.0 20.6 31.0



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: 6.772 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

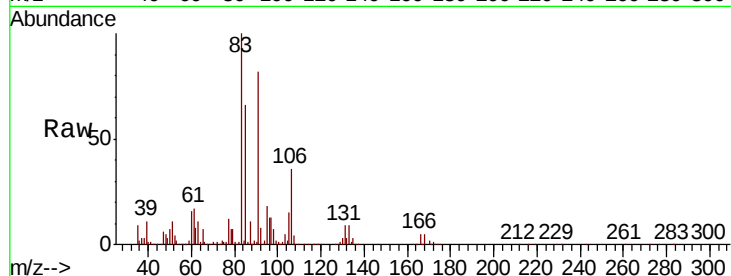
Tot Ion: 83 Resp: 2559750

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	67.4	33.1	99.3

83 100

131 9.4 4.7 14.0

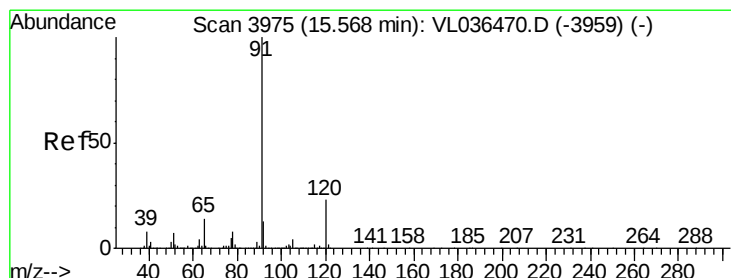
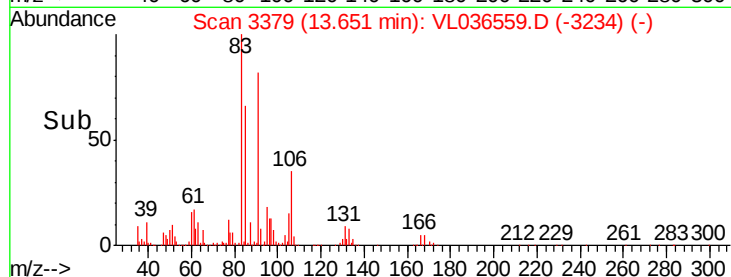
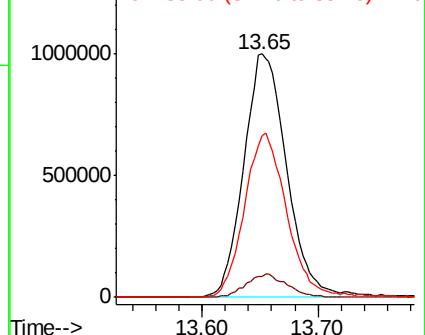
85 67.4 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.661 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.03 min

Lab File: VL036559.D

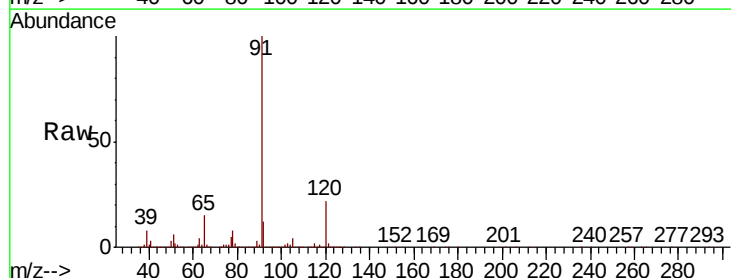
Acq: 30 Mar 2021 5:51

Tgt Ion: 120 Resp: 1249795

Ion	Ratio	Lower	Upper
120	100		
91	489.3	377.4	566.2

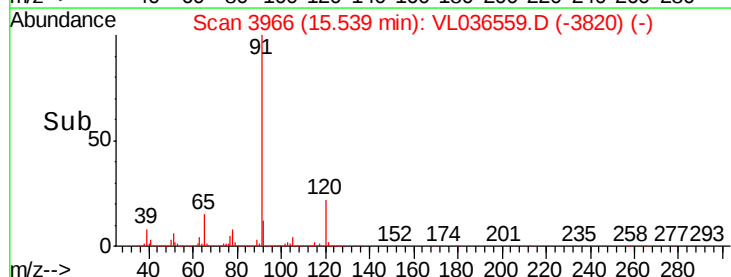
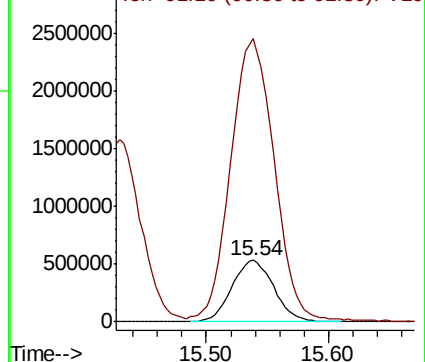
120 100

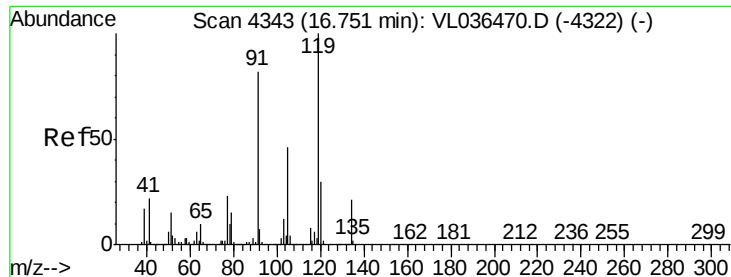
91 489.3 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

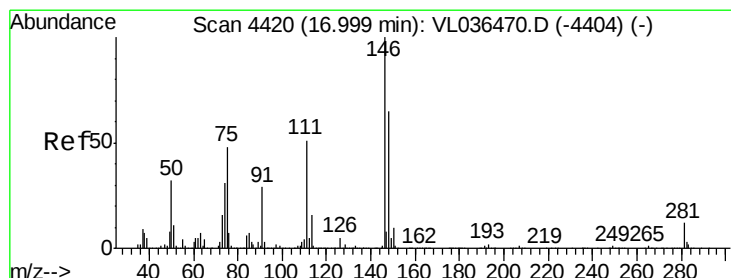
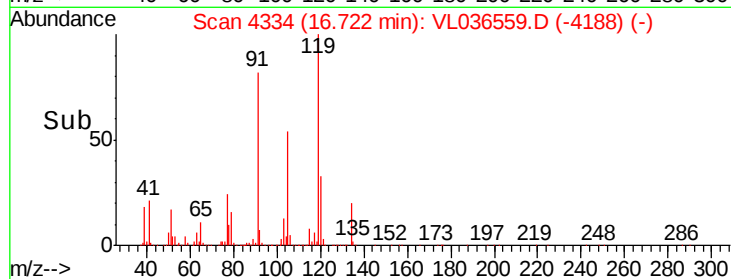
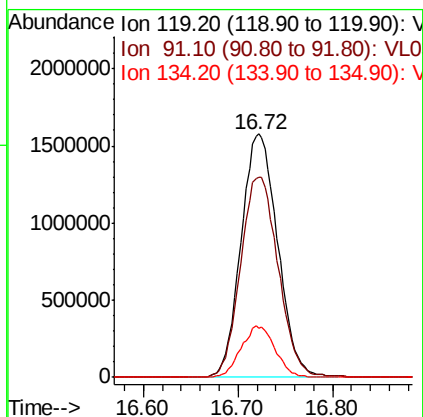
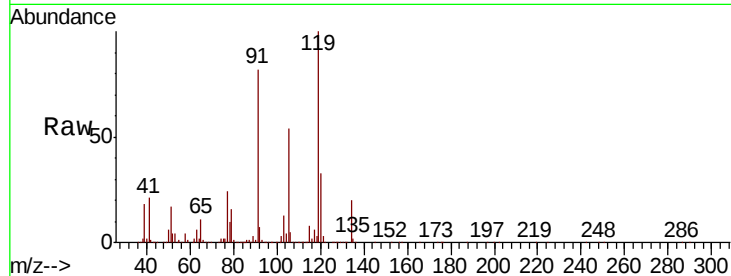




#65
 tert-Butylbenzene
 Concen: 7.326 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

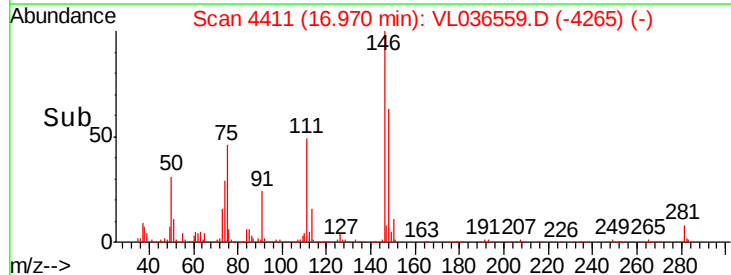
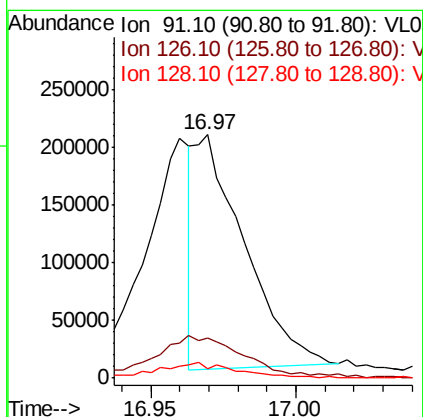
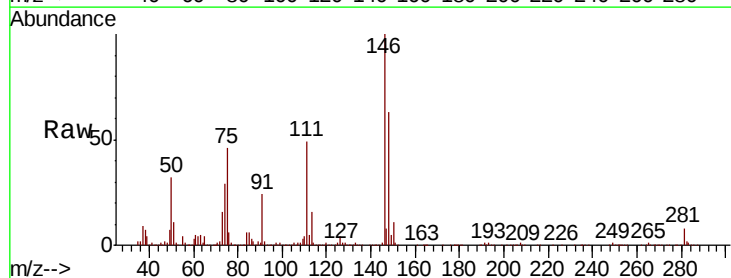
Instrument :
 MSVOA_L
 ClientSampleId :

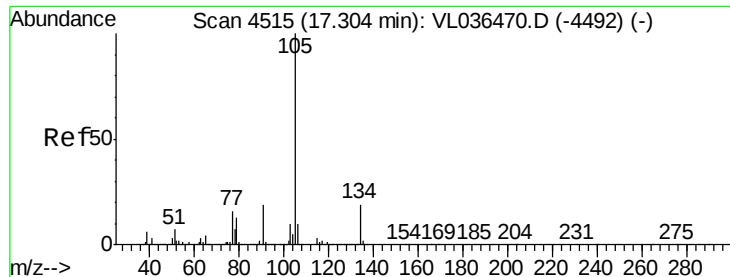
Tot Ion:119 Resp: 4238563
 Ion Ratio Lower Upper
 119 100
 91 85.0 67.5 101.3
 134 19.7 15.8 23.8



#66
 Benzyl Chloride
 Concen: 3.724 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Tgt Ion: 91 Resp: 238134
 Ion Ratio Lower Upper
 91 100
 126 34.9 13.5 20.3#
 128 11.4 4.2 6.4#





#67

sec-Butylbenzene

Concen: 7.266 ppbv

RT: 17.27 min Scan# 4504

Delta R.T. -0.04 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

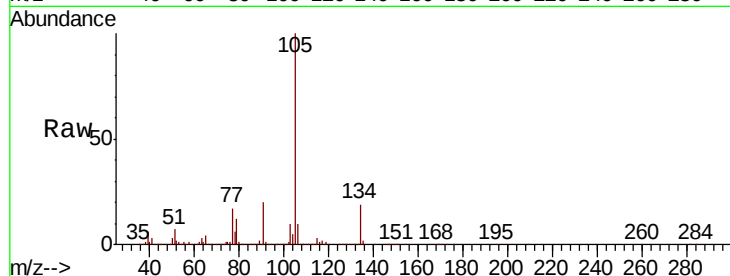
ClientSampled :

Tot Ion:105 Resp: 5934253

Ion Ratio Lower Upper

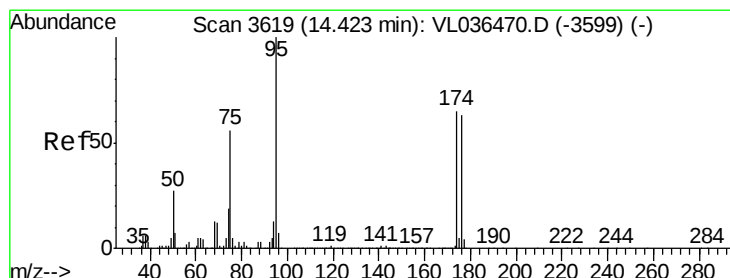
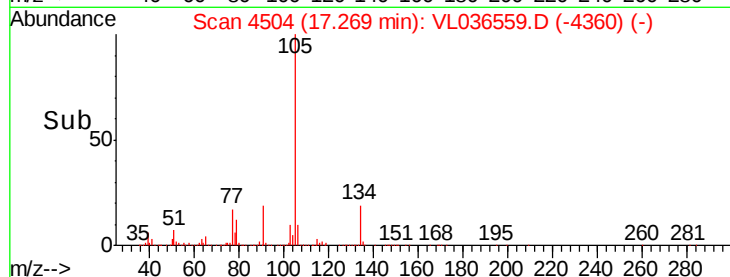
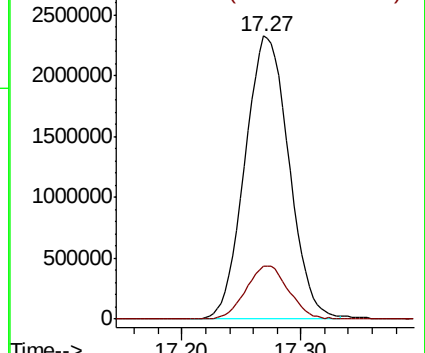
105 100

134 18.1 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: 8.524 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

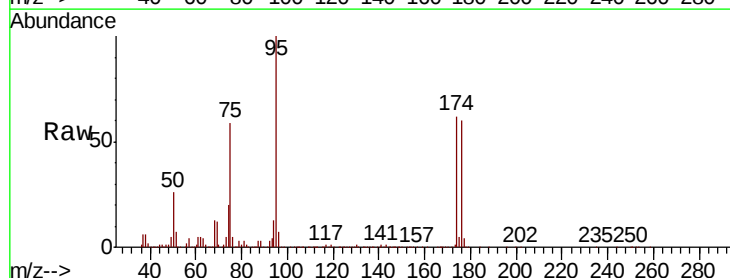
Tgt Ion: 95 Resp: 2743385

Ion Ratio Lower Upper

95 100

174 63.6 51.0 76.6

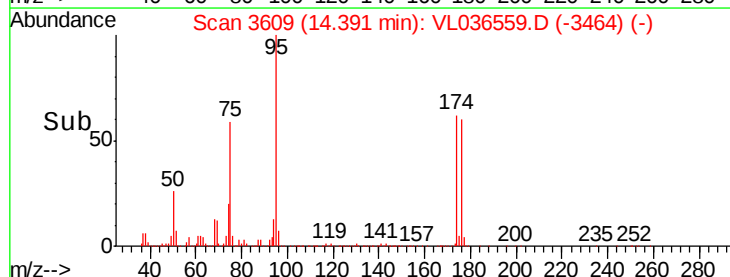
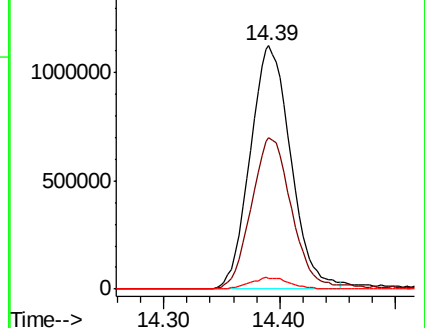
175 4.8 3.9 5.9

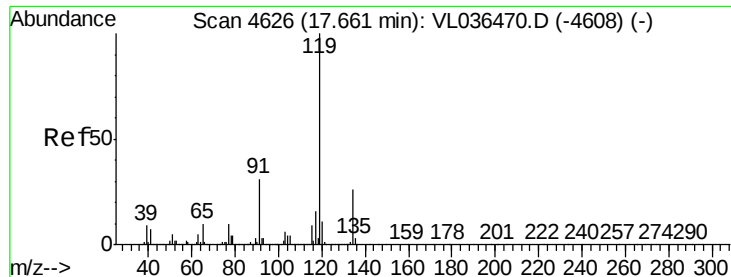


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.729 ppbv

RT: 17.63 min Scan# 4616

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

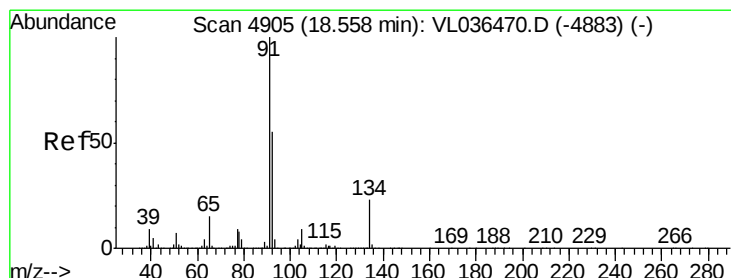
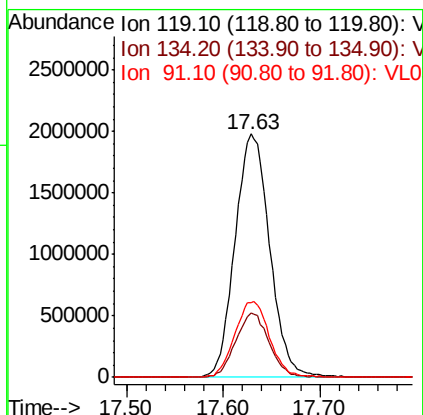
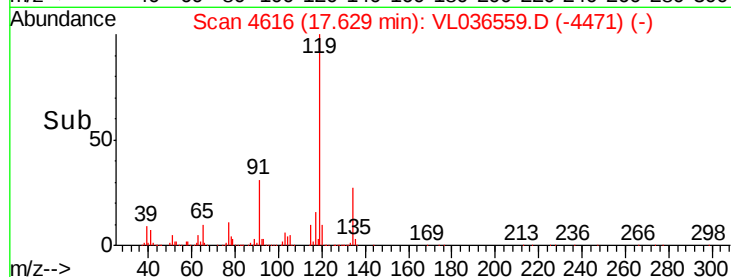
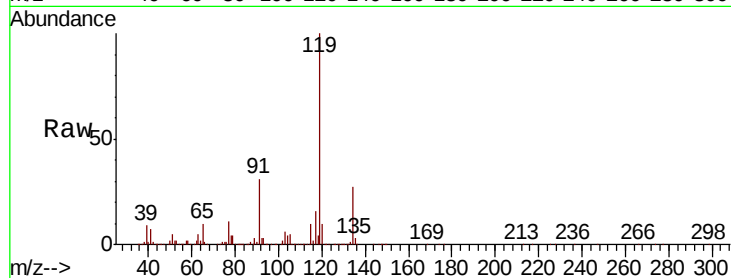
Tot Ion:119 Resp: 4929073

Ion Ratio Lower Upper

119 100

134 25.6 20.6 30.8

91 31.4 25.0 37.6



#70

n-Butylbenzene

Concen: 7.745 ppbv

RT: 18.53 min Scan# 4896

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

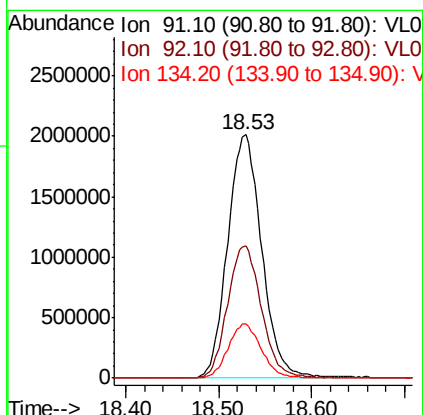
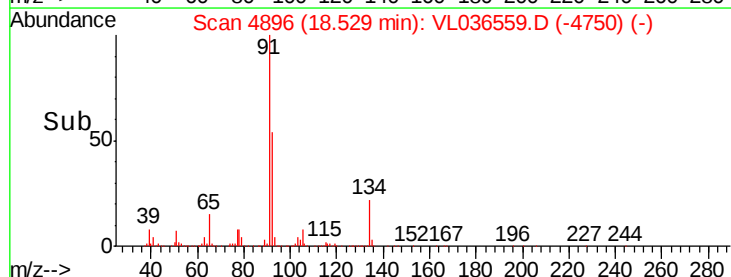
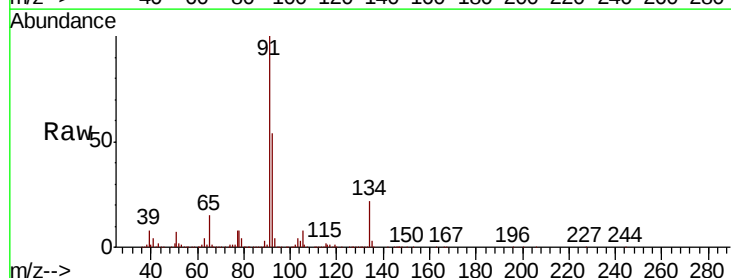
Tgt Ion: 91 Resp: 5121660

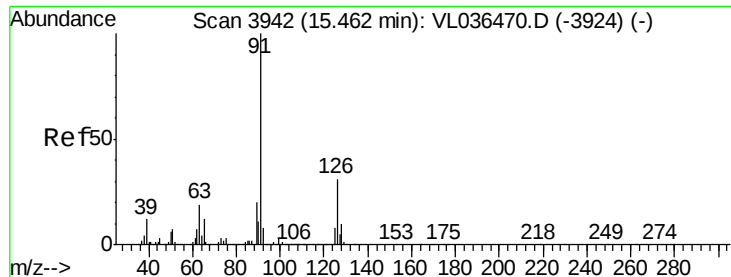
Ion Ratio Lower Upper

91 100

92 54.6 43.8 65.8

134 21.9 18.0 27.0





#71

2-Chlorotoluene

Concen: 7.594 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

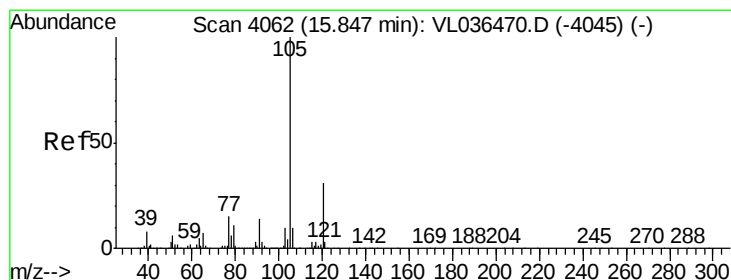
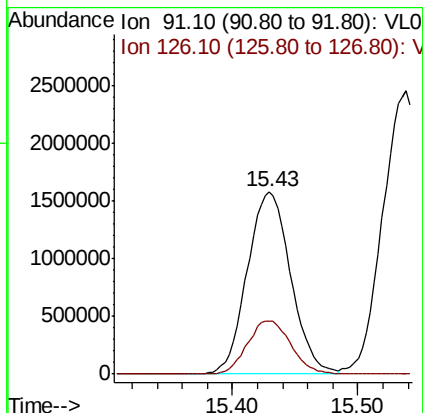
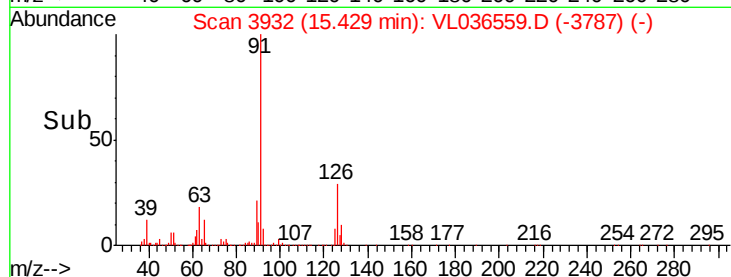
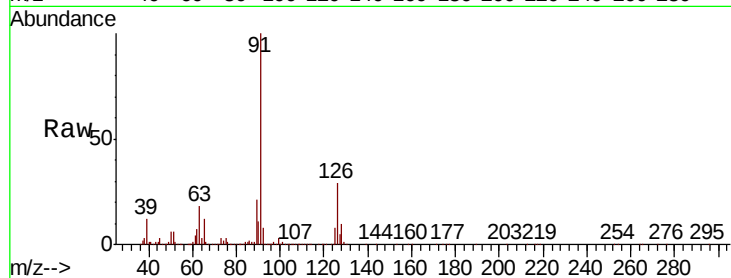
ClientSampled :

Tot Ion: 91 Resp: 3796824

Ion Ratio Lower Upper

91 100

126 29.9 12.1 48.5



#72

4-Ethyltoluene

Concen: 7.633 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Tgt Ion: 105 Resp: 4144009

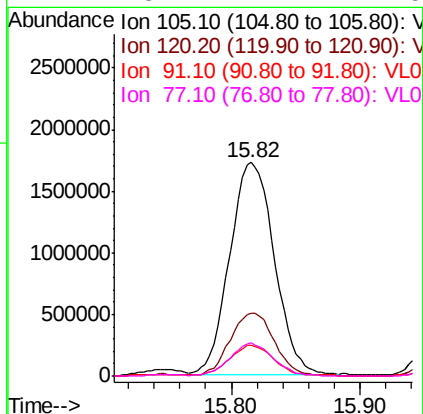
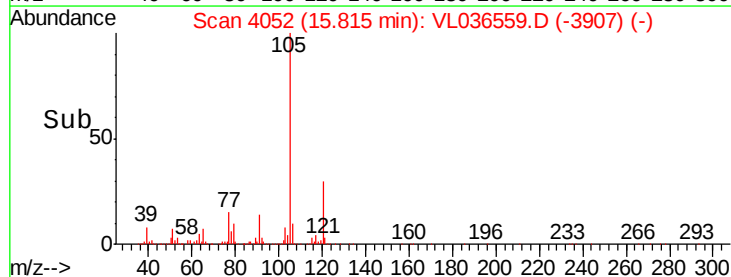
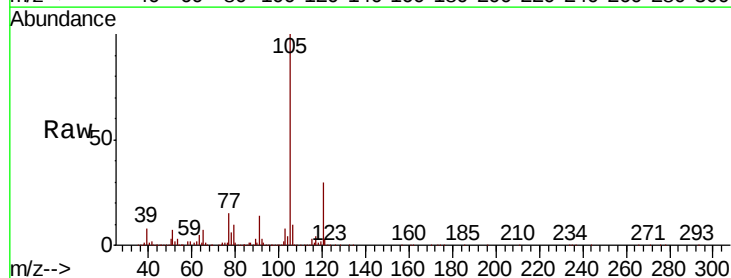
Ion Ratio Lower Upper

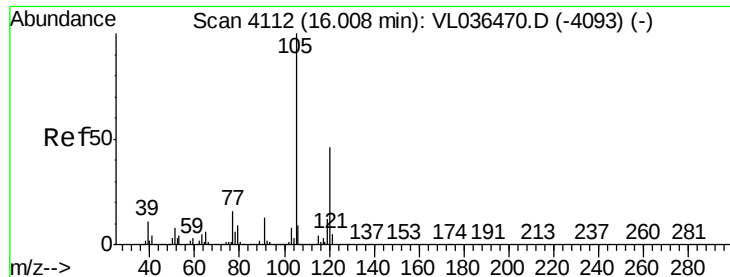
105 100

120 30.6 24.0 36.0

91 13.9 11.0 16.4

77 15.4 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.312 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

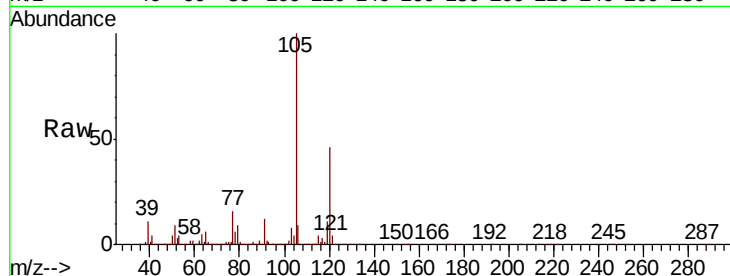
ClientSampleId :

Tot Ion:105 Resp: 3705423

Ion Ratio Lower Upper

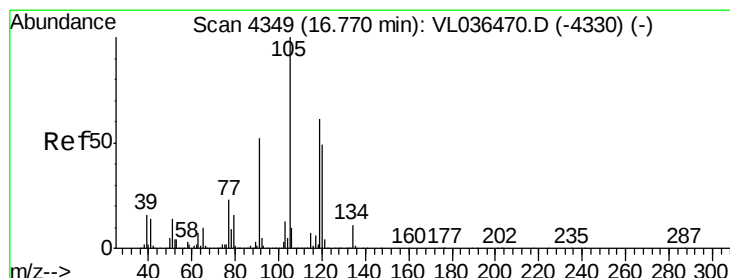
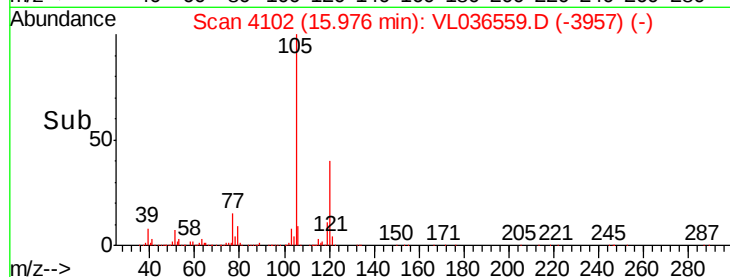
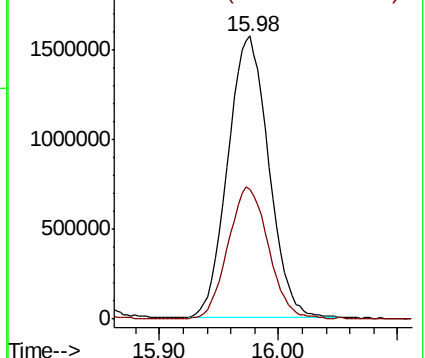
105 100

120 45.8 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.185 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Tgt Ion:105 Resp: 3896414

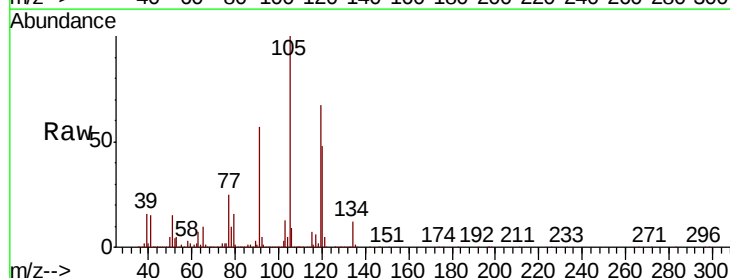
Ion Ratio Lower Upper

105 100

120 47.7 39.2 58.8

91 56.6 42.6 64.0

77 24.8 18.6 28.0

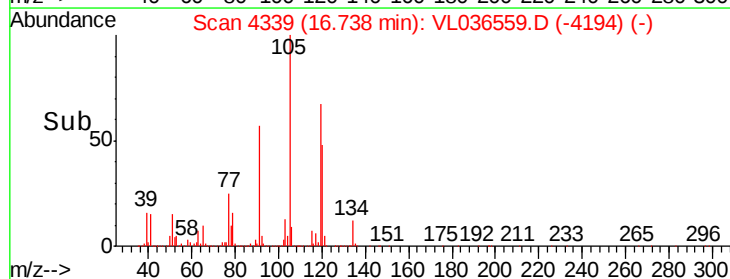
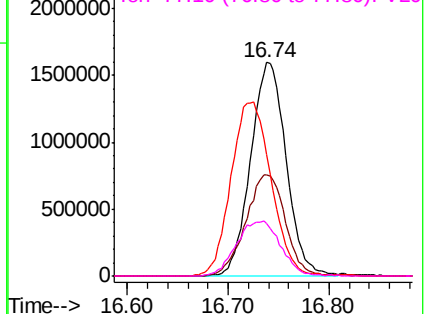


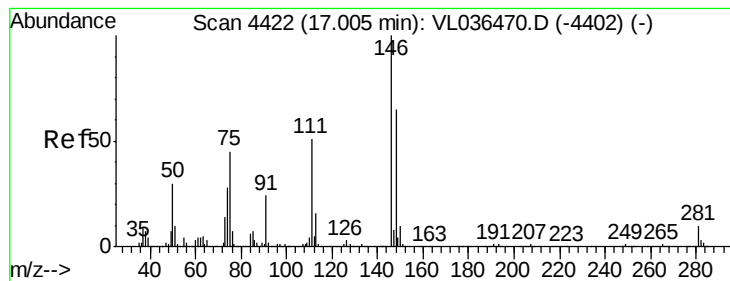
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.280 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

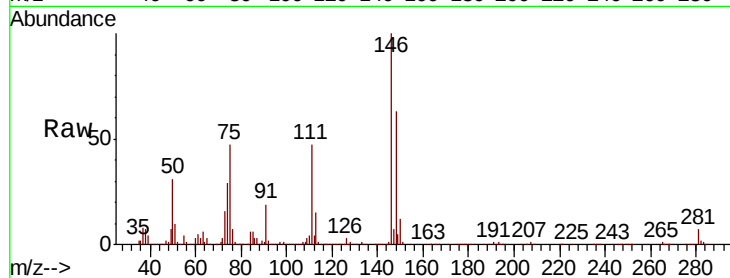
Tot Ion:146 Resp: 2222019

Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.5	73.5
148	64.7	32.3	96.9

146 100

111 49.0 24.5 73.5

148 64.7 32.3 96.9

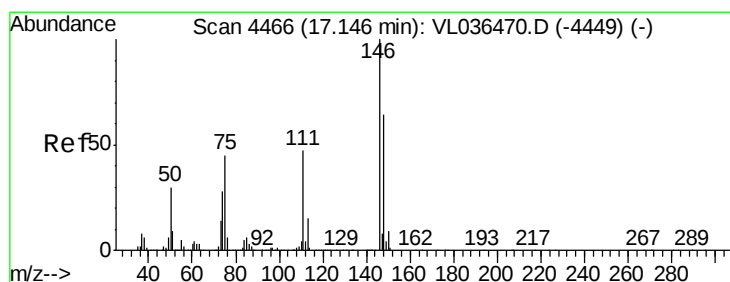
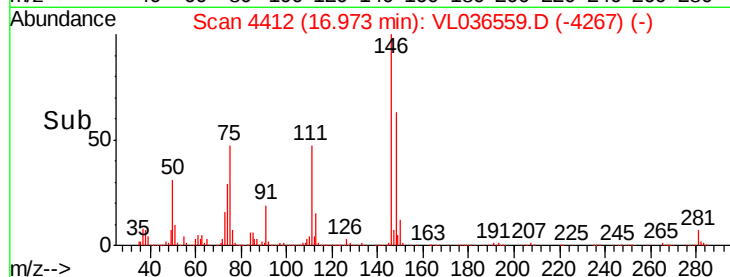
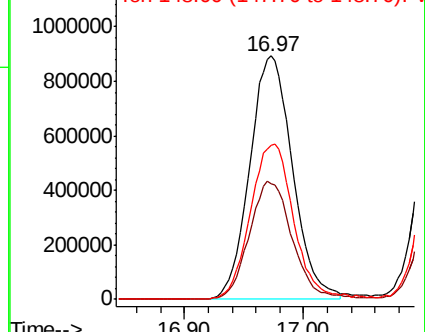


Abundance

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: 7.137 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

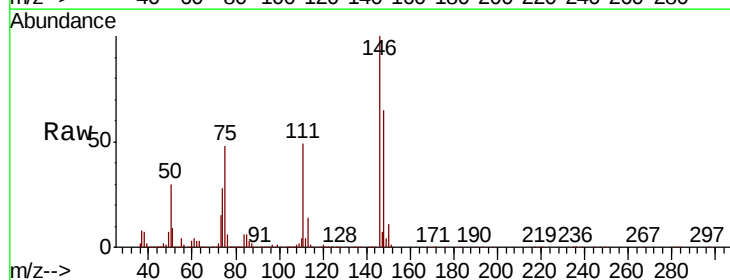
Tgt Ion:146 Resp: 2162786

Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.3	72.8
148	66.0	33.0	98.9

146 100

111 49.6 24.3 72.8

148 66.0 33.0 98.9

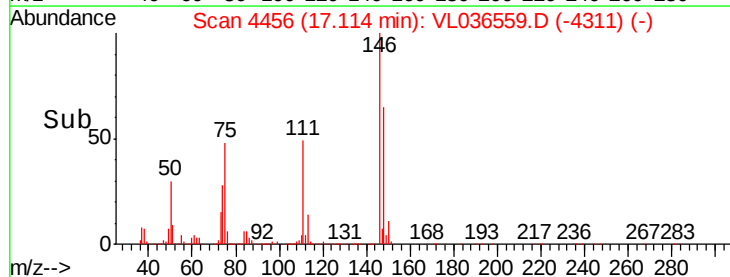
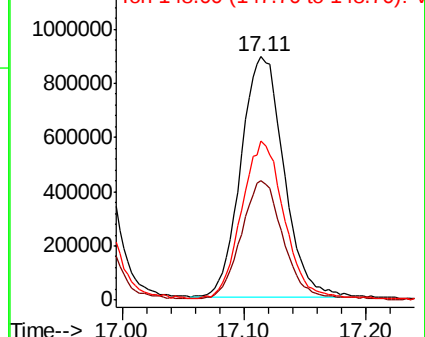


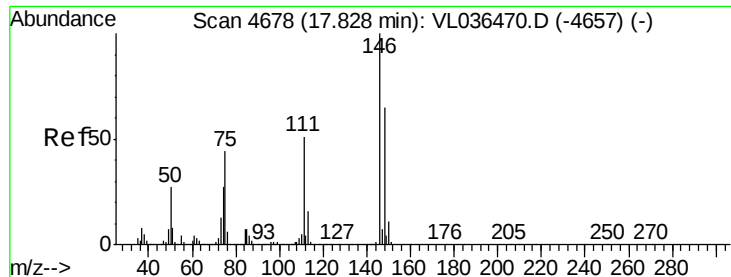
Abundance

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

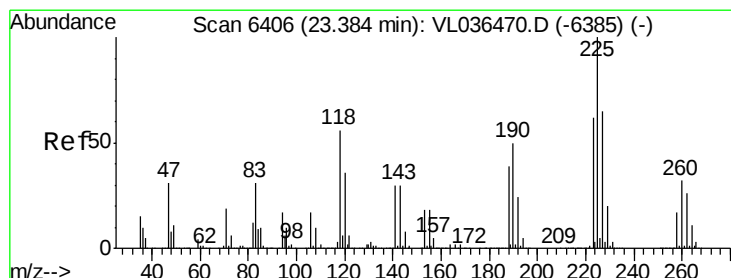
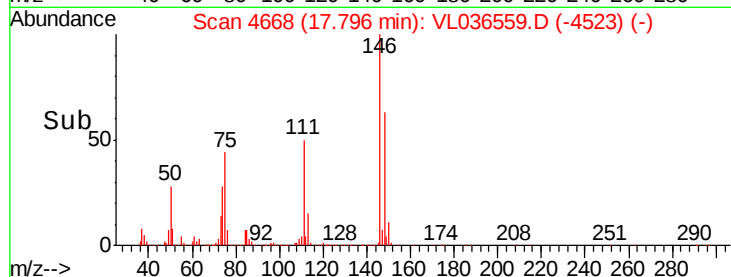
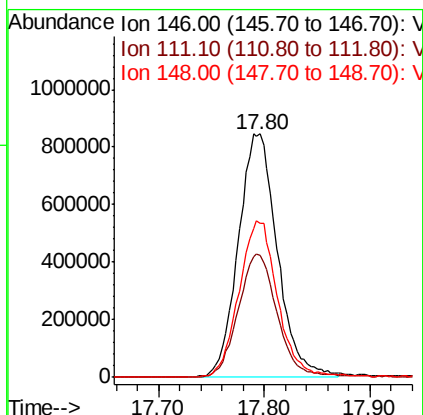
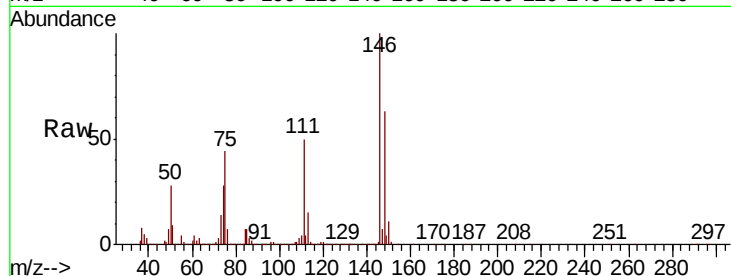




#77
 1,2-Dichlorobenzene
 Concen: 7.544 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

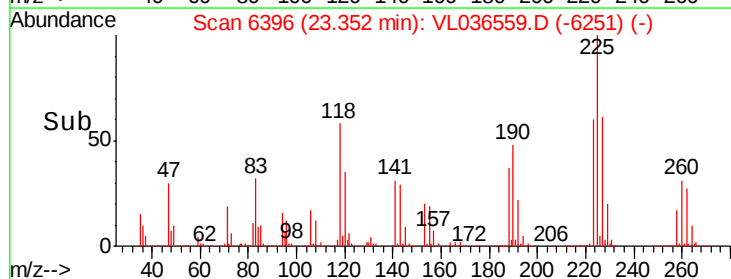
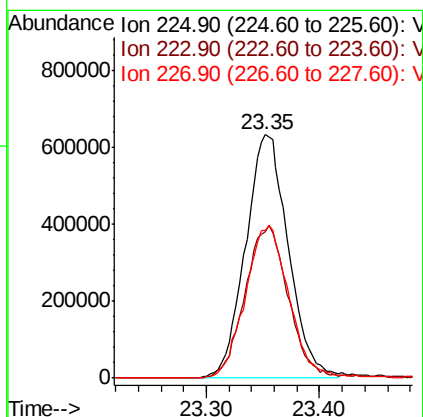
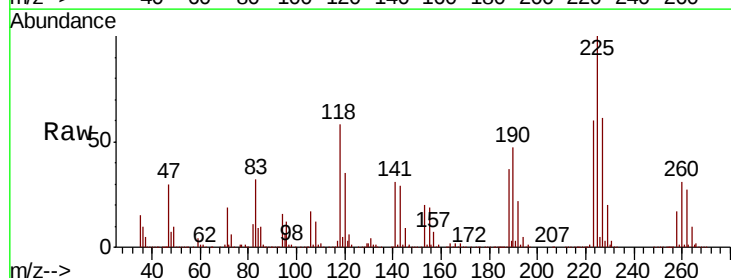
Instrument :
 MSVOA_L
 ClientSampled :

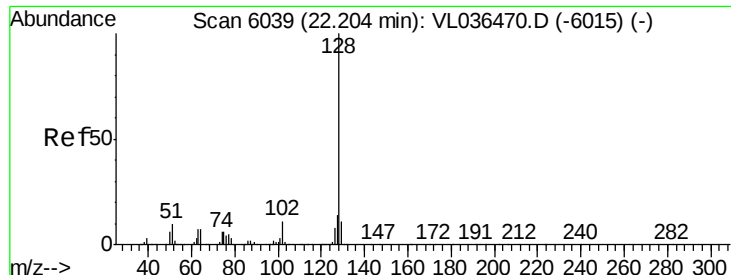
Tot Ion:146 Resp: 2164607
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.5 76.5
 148 63.8 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.463 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.03 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Tgt Ion:225 Resp: 1660713
 Ion Ratio Lower Upper
 225 100
 223 63.9 50.6 75.8
 227 64.9 52.2 78.2





#79

Naphthalene

Concen: 7.808 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.04 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampled :

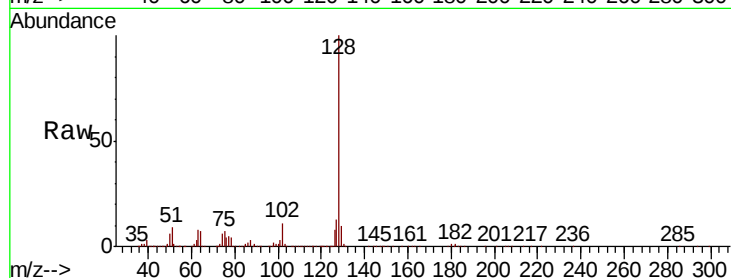
Tot Ion:128 Resp: 2470684

Ion Ratio Lower Upper

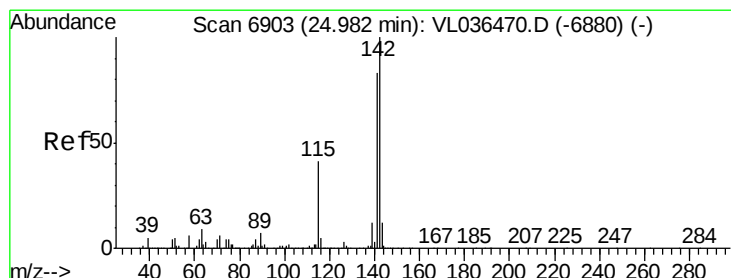
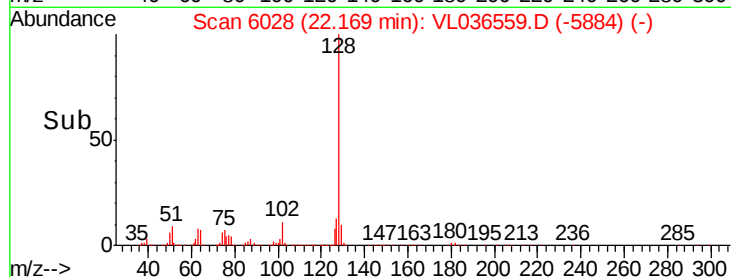
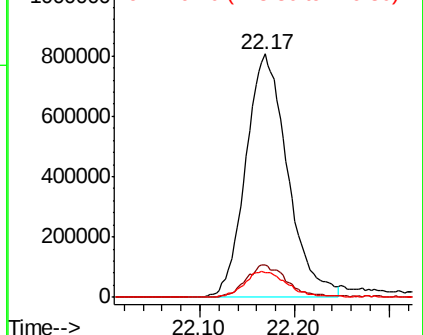
128 100

127 13.3 10.9 16.3

129 10.3 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 5.185 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.03 min

Lab File: VL036559.D

Acq: 30 Mar 2021 5:51

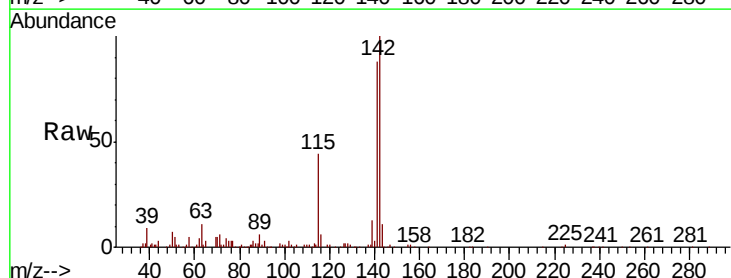
Tgt Ion:142 Resp: 323565

Ion Ratio Lower Upper

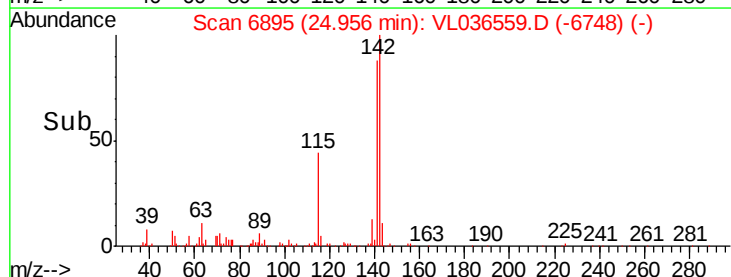
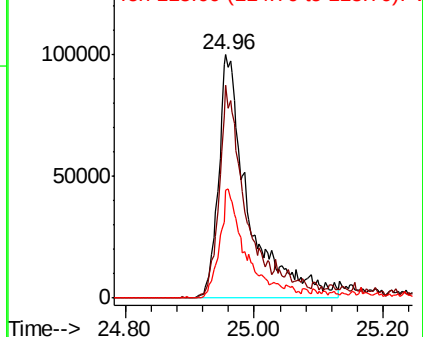
142 100

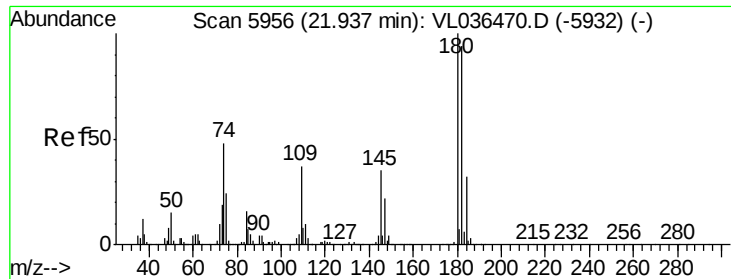
141 82.9 67.8 101.8

115 40.0 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

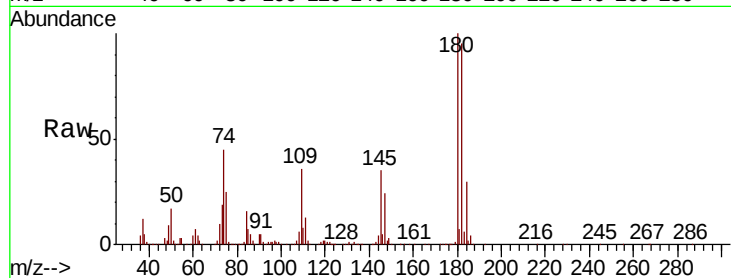




#81
 1,2,4-Trichlorobenzene
 Concen: 7.810 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. -0.04 min
 Lab File: VL036559.D
 Acq: 30 Mar 2021 5:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1525784
 Ion Ratio Lower Upper
 180 100
 182 100.1 80.8 121.2
 184 32.7 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

