

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037156.D
 Acq On : 15 Jun 2021 11:37
 Operator : SY/AP
 Sample : VL0615ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 16 01:43:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1610236	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4794680	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5577499	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3519078	8.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2653435	10.347	ppbv 98
3) Chlorodifluoromethane	3.00	51	2774785	9.186	ppbv 100
4) Chloromethane	3.15	50	928743	9.024	ppbv 94
5) Vinyl Chloride	3.27	62	1032482	10.369	ppbv 98
6) Bromomethane	3.48	94	626589	9.892	ppbv 97
7) Chloroethane	3.56	64	368676	9.489	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	2617472	9.553	ppbv 100
9) Propene	3.02	41	889147	8.924	ppbv 100
10) Heptane	8.14	43	2259210	9.511	ppbv 99
11) Trichlorofluoromethane	3.96	101	2765011	9.503	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1936714	9.702	ppbv 99
13) Ethanol	3.62	45	110983	8.062	ppbv 88
14) Bromoethene	3.75	108	838083	9.703	ppbv 98
15) Acetone	3.86	43	1340854	6.959	ppbv 98
16) 1,3-Butadiene	3.33	39	967725	9.302	ppbv 97
17) tert-Butyl alcohol	4.30	59	1659050	9.949	ppbv 100
18) 1,1-Dichloroethene	4.30	96	855968	9.505	ppbv 95
19) Isopropyl Alcohol	3.98	45	997589	9.435	ppbv # 96
20) Methylene Chloride	4.36	84	695151	8.278	ppbv 97
21) Allyl Chloride	4.42	41	1232364	9.574	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	862530	9.831	ppbv 96
23) Vinyl Acetate	5.09	43	2352442	9.297	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1992324	9.811	ppbv 99
25) Ethyl Acetate	5.69	43	3552505	9.410	ppbv 99
26) Hexane	5.70	57	1718604	9.153	ppbv 99
27) Carbon Disulfide	4.56	76	2004654	10.530	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2255309	9.590	ppbv 98
29) Chloroform	5.77	83	2832637	9.345	ppbv 99
30) Cyclohexane	7.15	84	1517409	9.270	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1732122	9.572	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2931497	10.532	ppbv 100
34) 2-Butanone	5.26	43	1631780	9.062	ppbv 100
35) Carbon Tetrachloride	7.03	117	3182353	10.797	ppbv 99
36) Benzene	6.91	78	3563728	9.367	ppbv 99
37) 1,2-Dichloroethane	6.32	62	2123669	9.613	ppbv 99
38) Trichloroethene	7.85	130	1572115	9.562	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1356417	9.338	ppbv 97
40) 1,4-Dioxane	7.85	88	338099	8.312	ppbv # 1
41) Tetrahydrofuran	6.07	42	799545	9.124	ppbv 98
42) Bromodichloromethane	7.81	83	3019501	9.920	ppbv 100
43) Methyl Methacrylate	8.03	69	1316559	10.087	ppbv 99

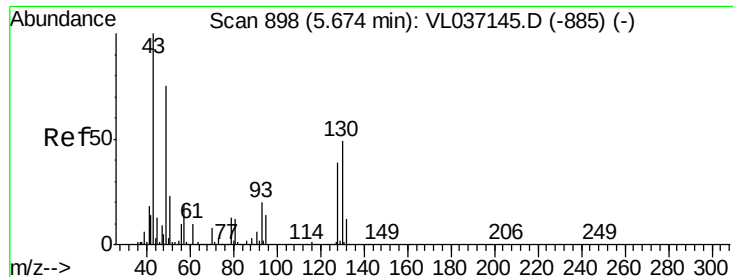
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037156.D
 Acq On : 15 Jun 2021 11:37
 Operator : SY/AP
 Sample : VL0615ABS01
 Misc : 400mL/MSVOA L
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Quant Time: Jun 16 01:43:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5861159	9.204	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1339711	11.390	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1704412	10.860	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1511623	9.175	ppbv	99
48) Dibromochloromethane	10.32	129	2735021	10.290	ppbv	100
49) Bromoform	13.06	173	2147588	10.343	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2434663	9.191	ppbv	99
51) 2-Hexanone	10.16	43	1234373	9.336	ppbv	97
52) Tetrachloroethene	11.24	164	1488154	9.458	ppbv	99
53) Toluene	9.82	91	4283887	9.473	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2293767	9.508	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1848023	7.597	ppbv	98
57) Chlorobenzene	12.17	112	3285445	7.351	ppbv	98
58) Ethyl Benzene	12.73	91	5631954	7.455	ppbv	99
59) m/p-Xylene	13.01	91	5155970	8.031	ppbv #	41
60) o-Xylene	13.71	91	4516596	7.327	ppbv	99
61) Styrene	13.55	104	2603937	8.013	ppbv	100
62) Isopropylbenzene	14.69	105	6265433	7.131	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2935283	7.323	ppbv	100
64) n-propylbenzene	15.58	120	1668374	7.445	ppbv	98
65) tert-Butylbenzene	16.76	119	5626438	7.066	ppbv	100
66) Benzyl Chloride	17.00	91	215199	6.191	ppbv	99
67) sec-Butylbenzene	17.31	105	7396767	6.991	ppbv	99
69) p-Isopropyltoluene	17.67	119	6456910	7.300	ppbv	99
70) n-Butylbenzene	18.57	91	6067564	7.498	ppbv	100
71) 2-Chlorotoluene	15.47	91	4488980	7.162	ppbv	99
72) 4-Ethyltoluene	15.86	105	5417905	7.566	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4840067	7.126	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	5077239	7.347	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3043116	7.152	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3051435	7.220	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2934554	6.994	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2238179	7.525	ppbv	99
79) Naphthalene	22.22	128	4764209	11.453	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1396976	13.881	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	2519831	9.523	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

ClientSampleId :

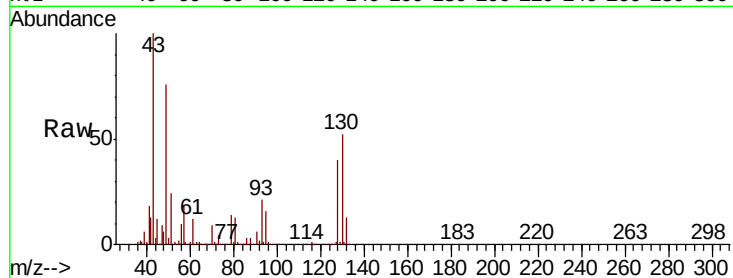
Tot Ion: 49 Resp: 1610236

Ion Ratio Lower Upper

49 100

128 59.2 28.8 86.5

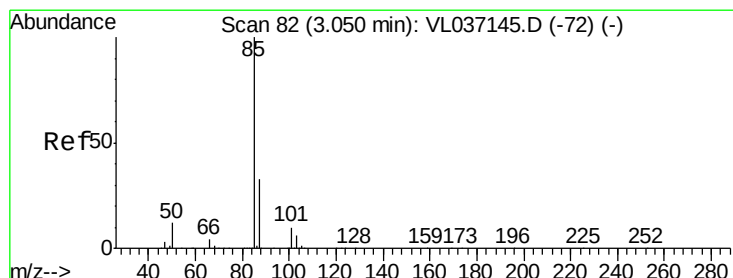
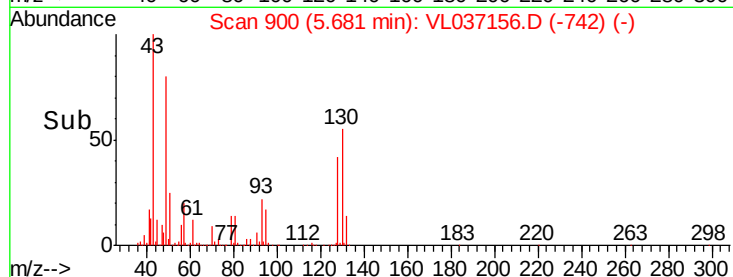
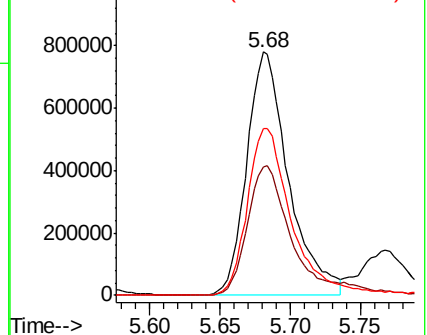
130 74.7 36.0 108.0



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: 10.347 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037156.D

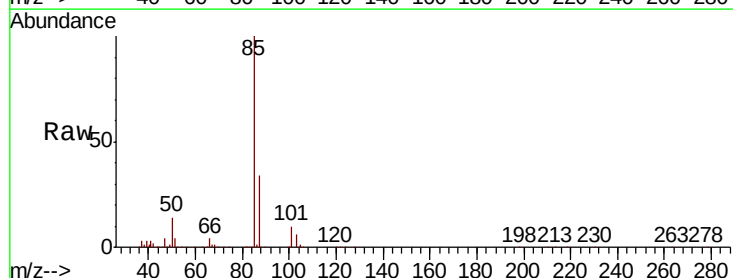
Acq: 15 Jun 2021 11:37

Tgt Ion: 85 Resp: 2653435

Ion Ratio Lower Upper

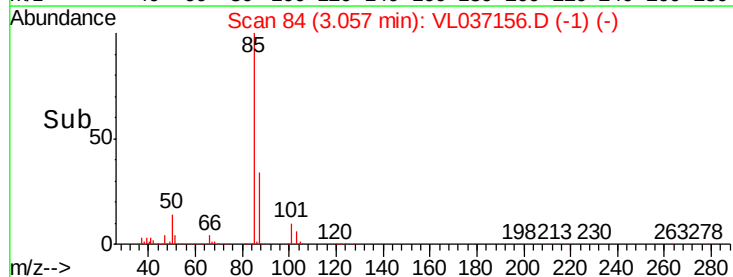
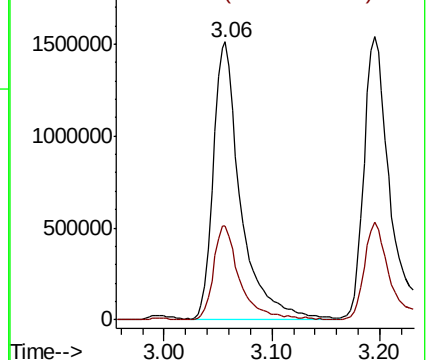
85 100

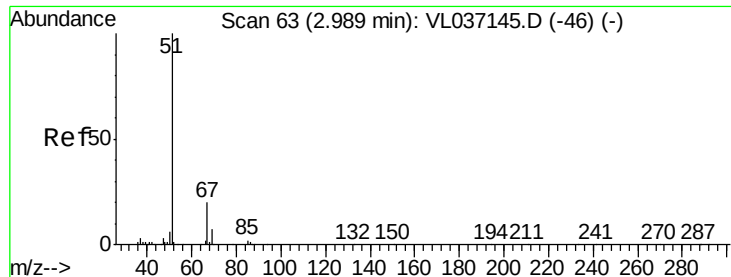
87 33.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.186 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

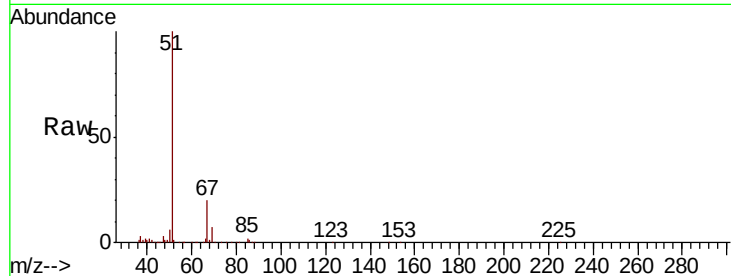
ClientSampleId :

Tot Ion: 51 Resp: 2774785

Ion Ratio Lower Upper

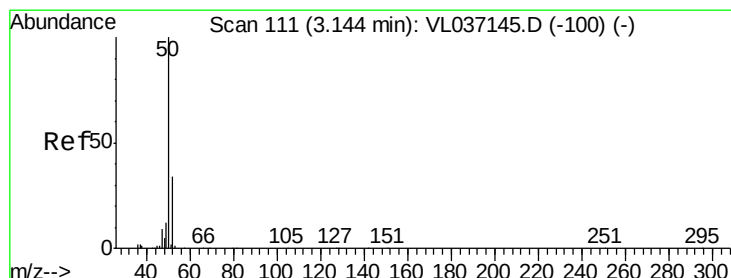
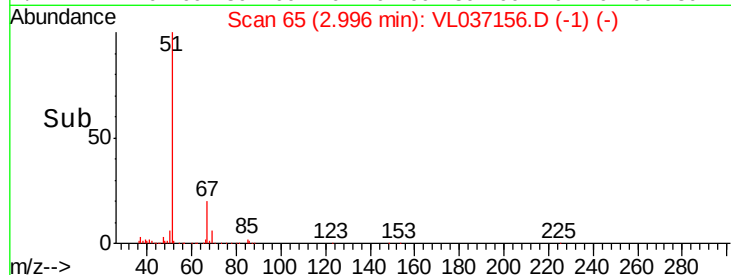
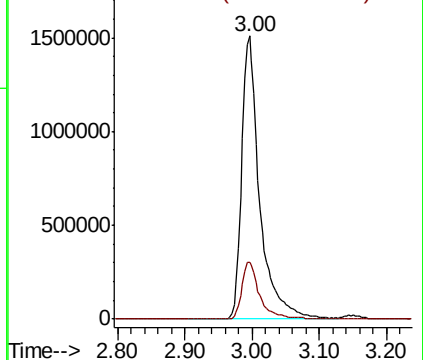
51 100

67 20.1 15.9 23.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.024 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037156.D

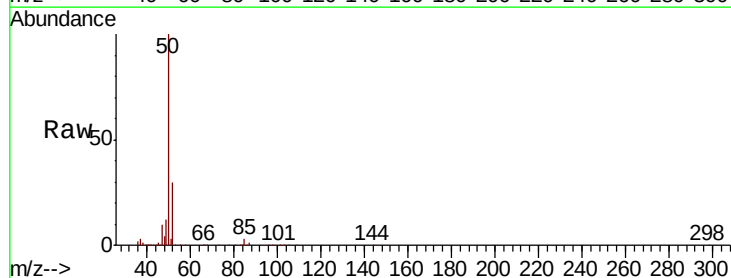
Acq: 15 Jun 2021 11:37

Tgt Ion: 50 Resp: 928743

Ion Ratio Lower Upper

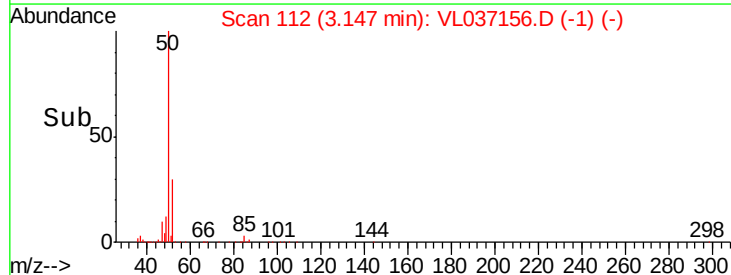
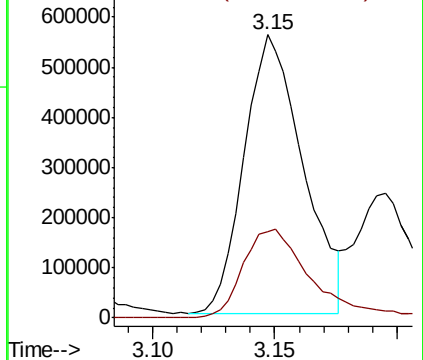
50 100

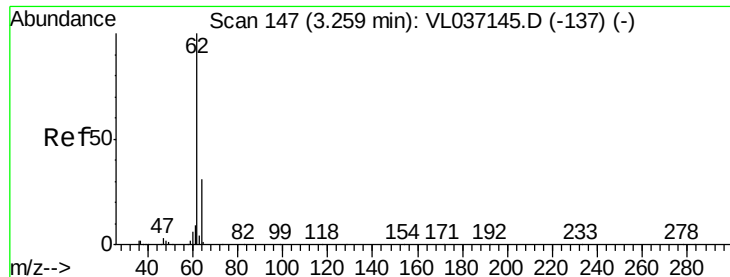
52 30.8 27.4 41.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.369 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

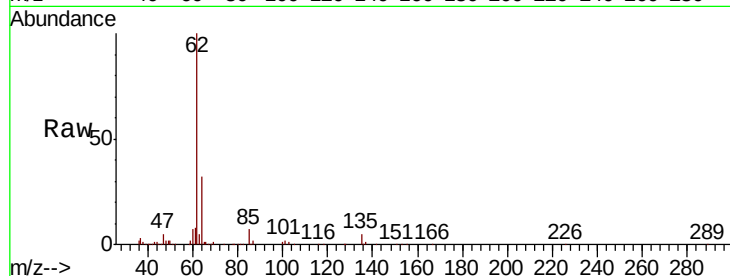
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 62 Resp: 1032482

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.2	37.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

600000

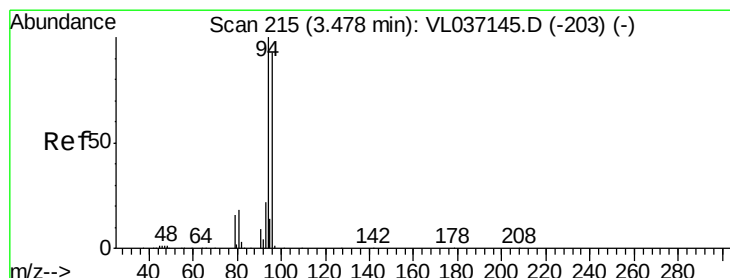
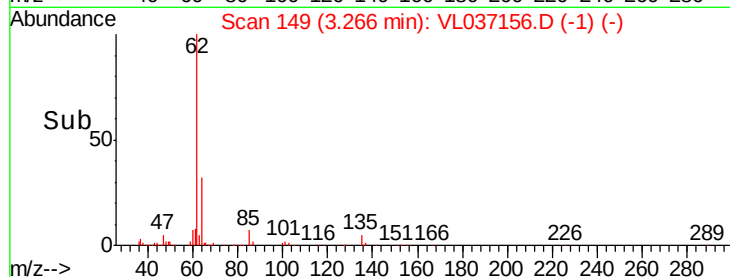
400000

200000

0

Time-->

3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 9.892 ppbv

RT: 3.48 min Scan# 217

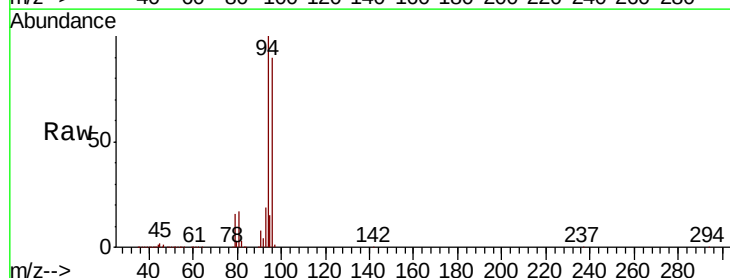
Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Tgt Ion: 94 Resp: 626589

Ion	Ratio	Lower	Upper
94	100		
96	89.6	74.2	111.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

400000

300000

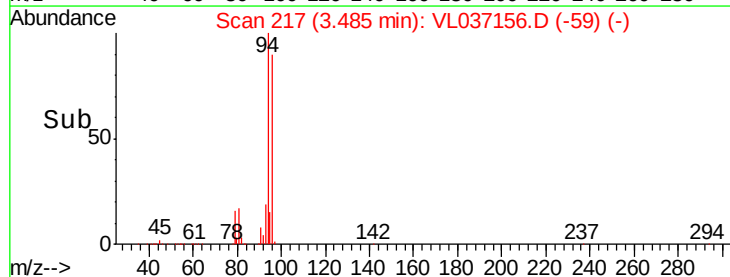
200000

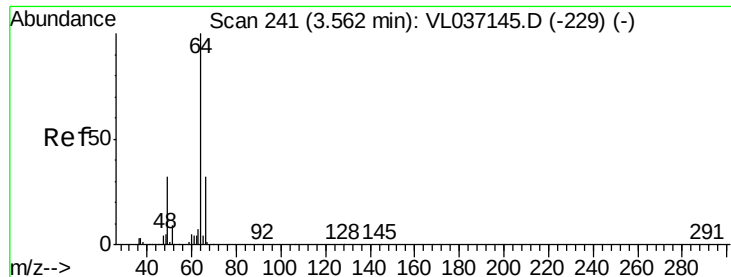
100000

0

Time-->

3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 9.489 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

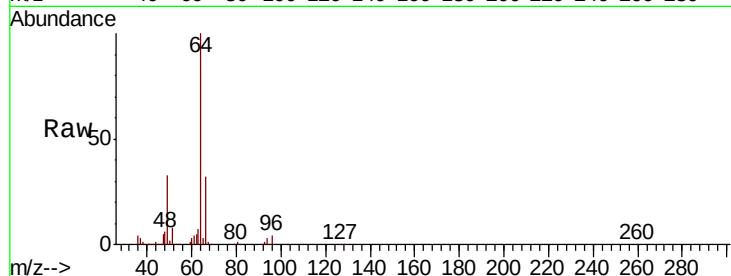
ClientSampleId :

Tot Ion: 64 Resp: 368676

Ion Ratio Lower Upper

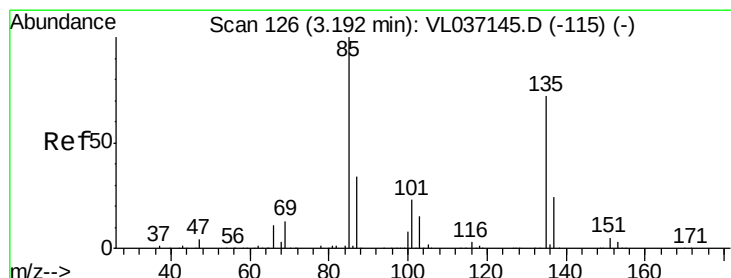
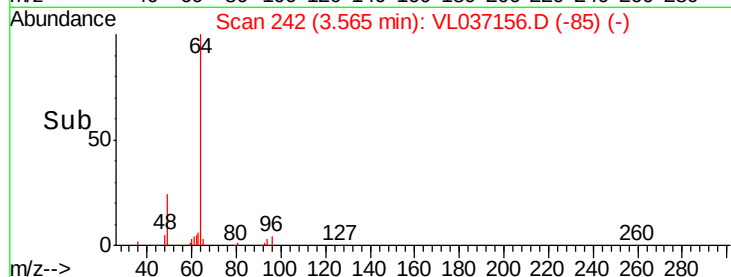
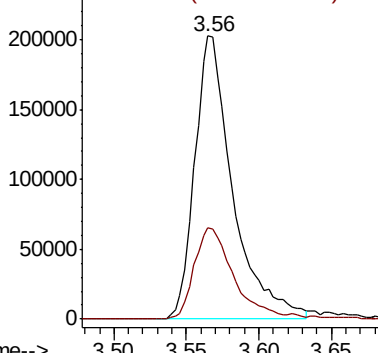
64 100

66 32.5 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.553 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL037156.D

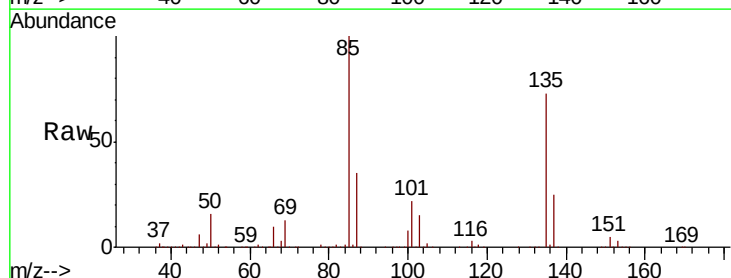
Acq: 15 Jun 2021 11:37

Tgt Ion: 85 Resp: 2617472

Ion Ratio Lower Upper

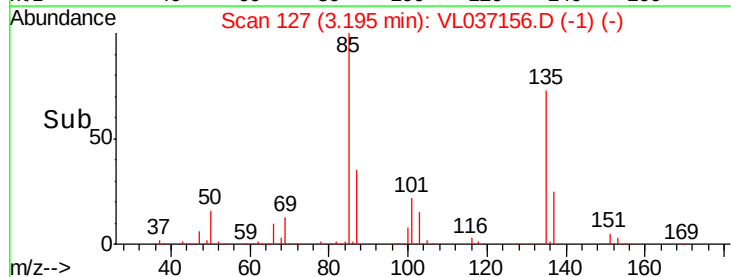
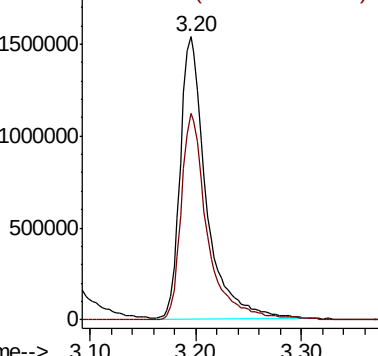
85 100

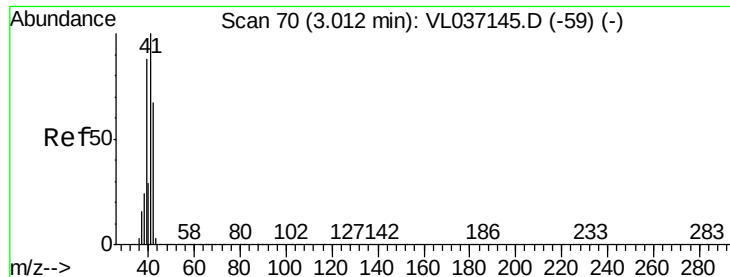
135 75.0 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.924 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

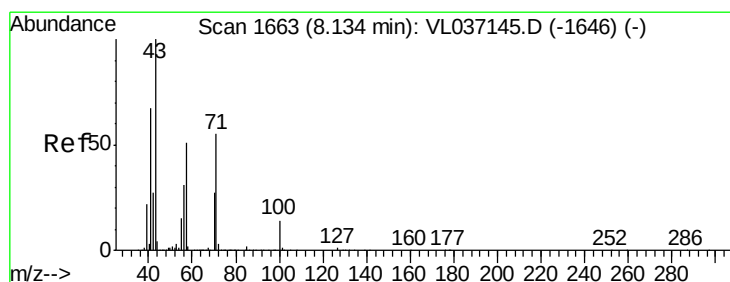
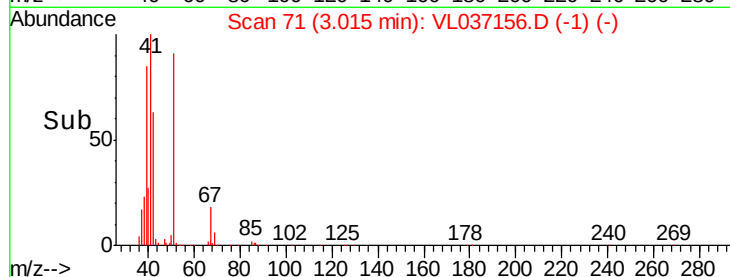
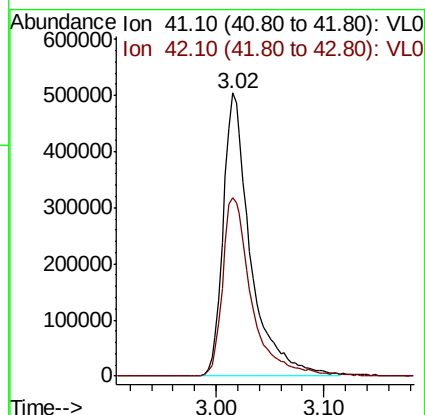
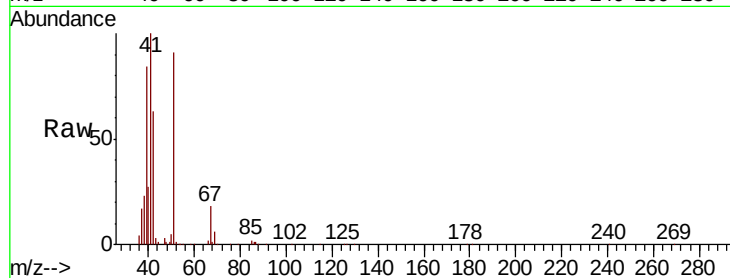
ClientSampled :

Tot Ion: 41 Resp: 889147

Ion Ratio Lower Upper

41 100

42 67.2 53.8 80.8



#10

Heptane

Concen: 9.511 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL037156.D

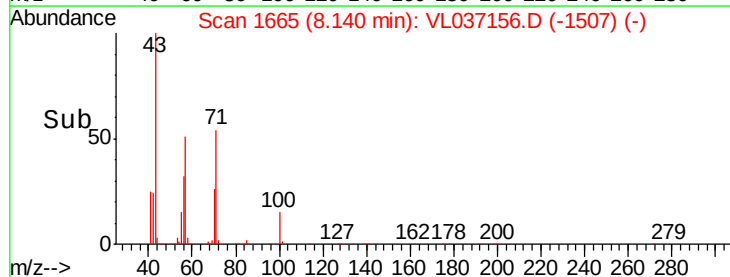
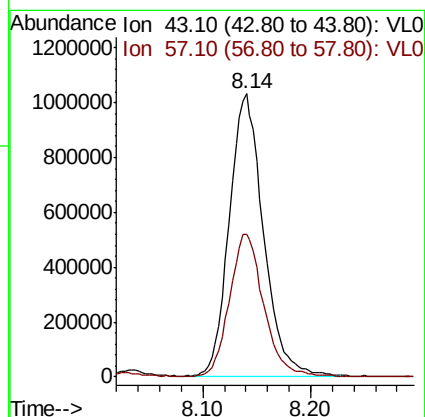
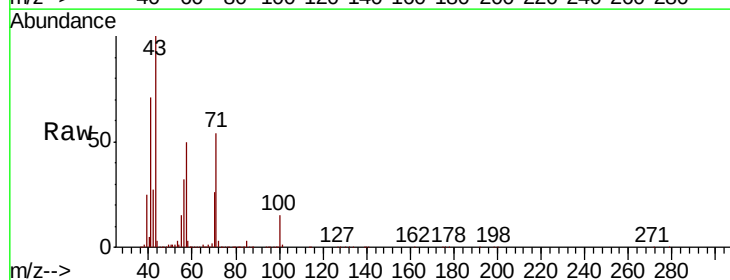
Acq: 15 Jun 2021 11:37

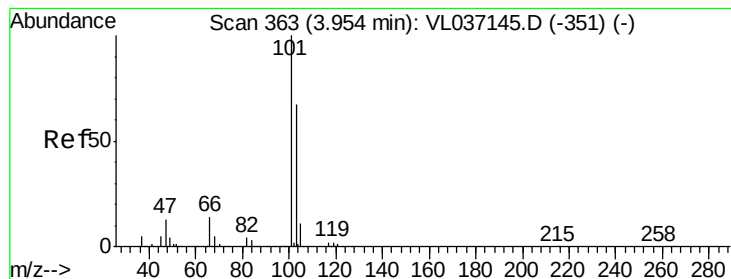
Tgt Ion: 43 Resp: 2259210

Ion Ratio Lower Upper

43 100

57 51.3 40.5 60.7





#11

Trichlorofluoromethane

Concen: 9.503 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

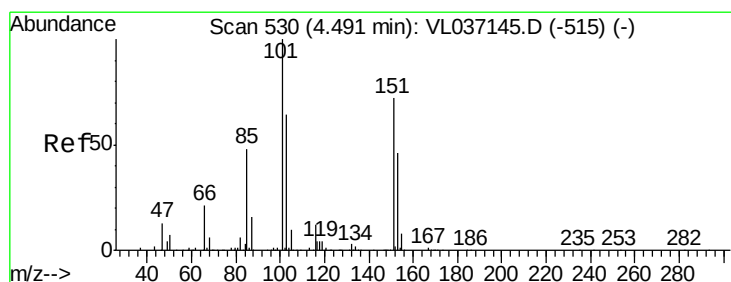
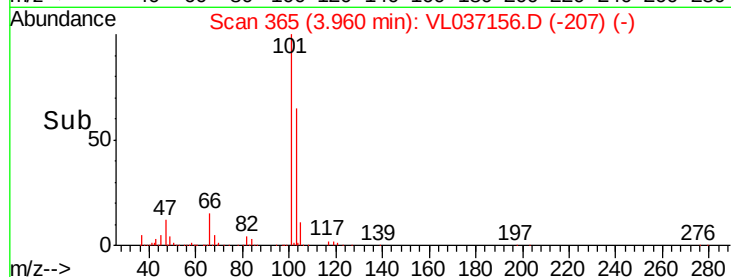
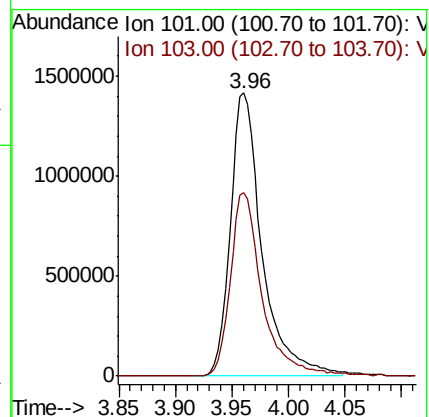
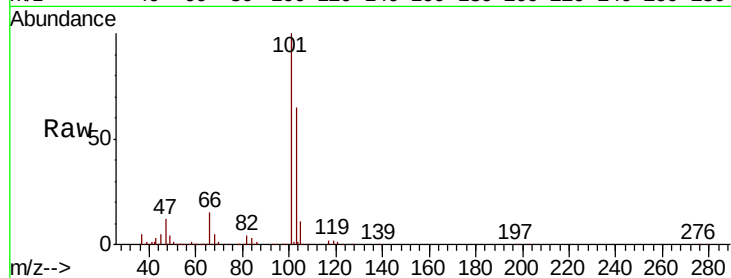
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:101 Resp: 2765011

Ion Ratio Lower Upper

101 100

103 64.6 53.6 80.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.702 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.00 min

Lab File: VL037156.D

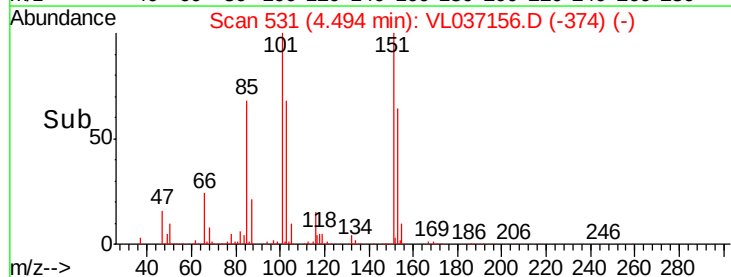
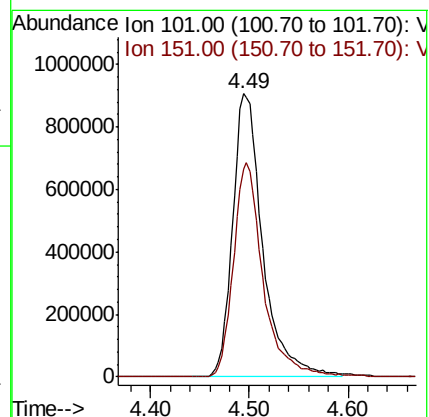
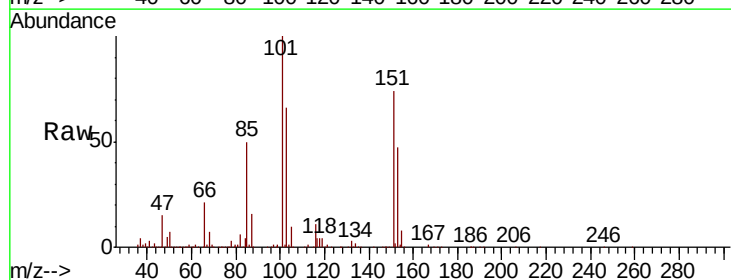
Acq: 15 Jun 2021 11:37

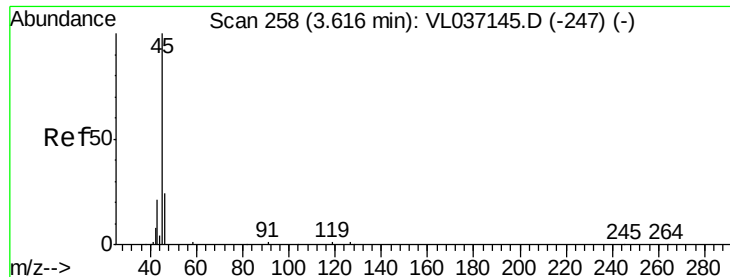
Tgt Ion:101 Resp: 1936714

Ion Ratio Lower Upper

101 100

151 74.9 60.5 90.7

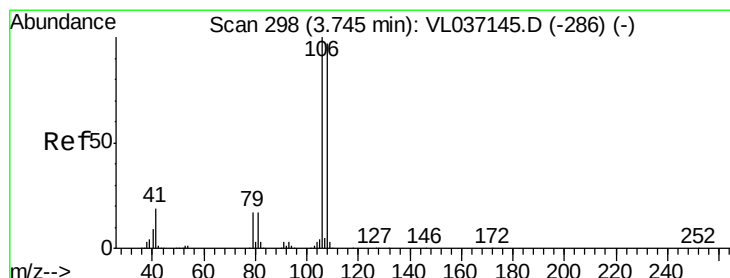
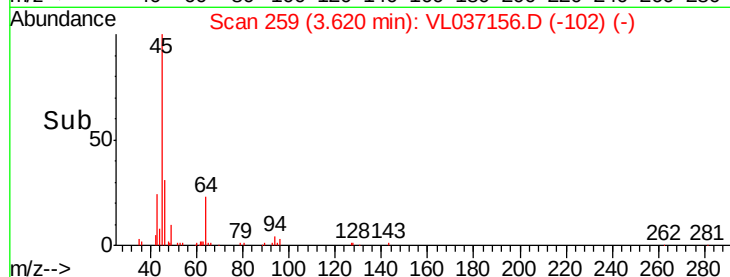
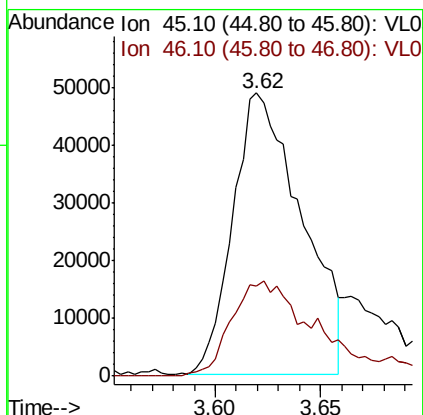
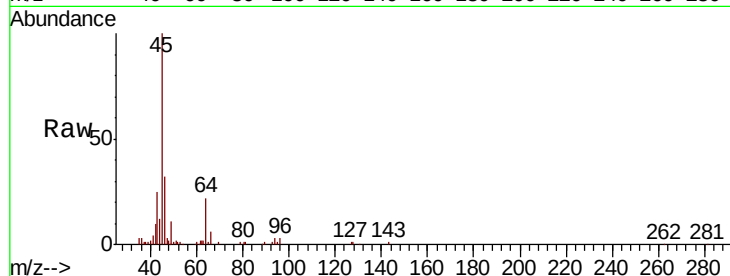




#13
Ethanol
Concen: 8.062 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.00 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

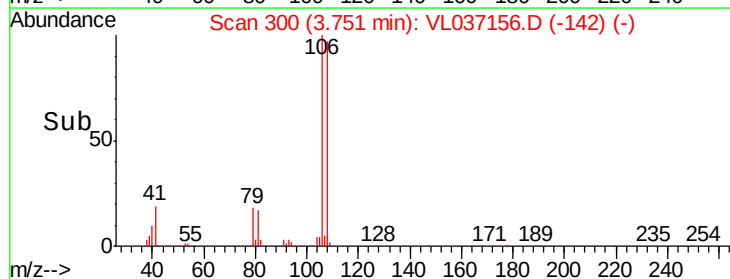
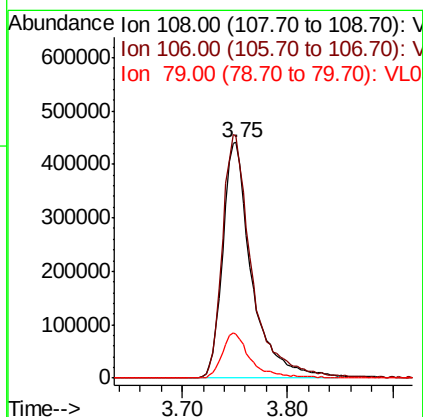
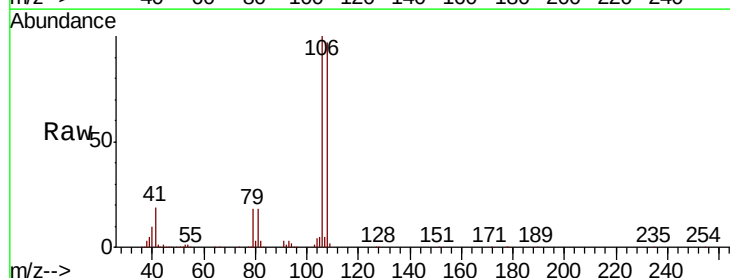
Instrument :
MSVOA_L
ClientSampled :

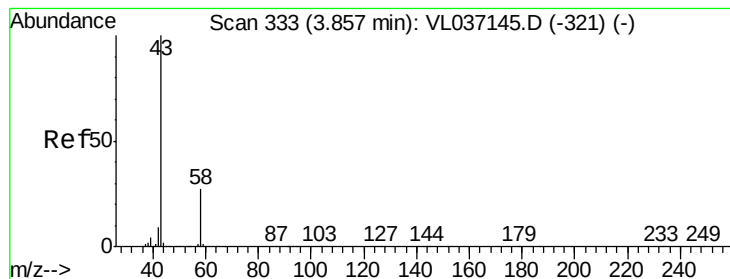
Tot Ion: 45 Resp: 110983
Ion Ratio Lower Upper
45 100
46 45.9 15.4 61.8



#14
Bromoethene
Concen: 9.703 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion: 108 Resp: 838083
Ion Ratio Lower Upper
108 100
106 106.2 86.5 129.7
79 19.2 15.4 23.2





#15

Acetone

Concen: 6.959 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

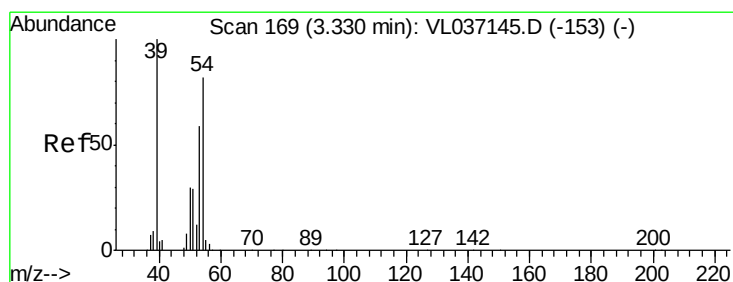
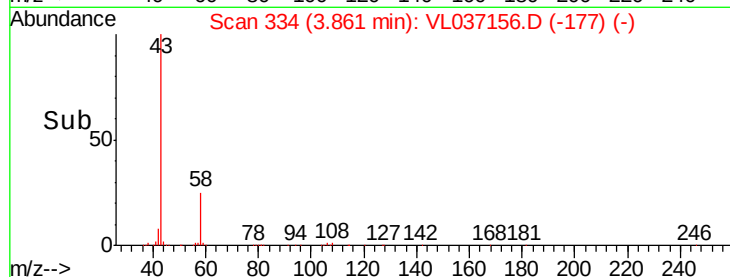
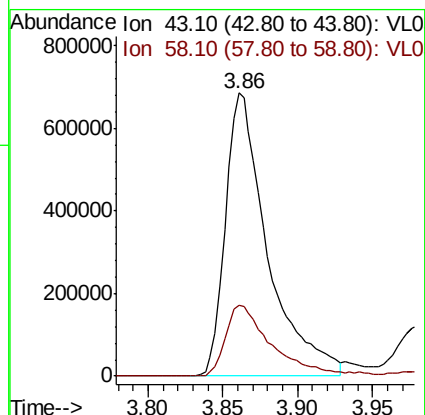
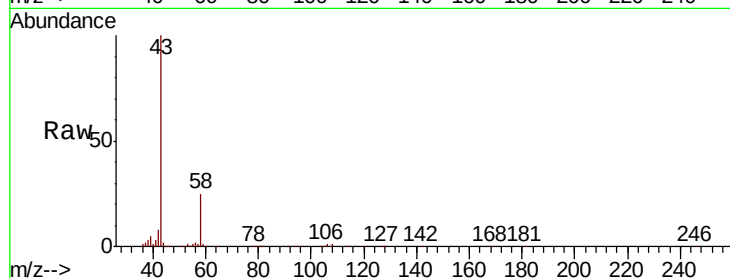
ClientSampleId :

Tot Ion: 43 Resp: 1340854

Ion Ratio Lower Upper

43 100

58 27.6 23.0 34.6



#16

1,3-Butadiene

Concen: 9.302 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL037156.D

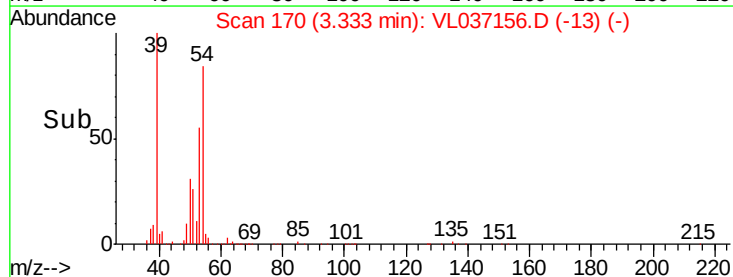
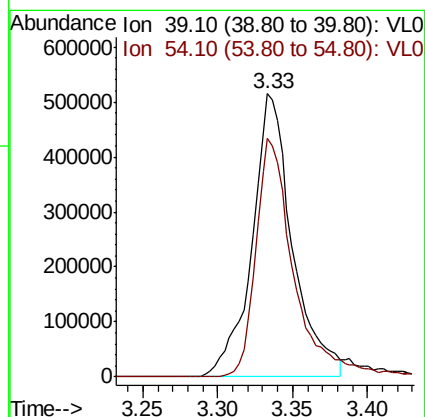
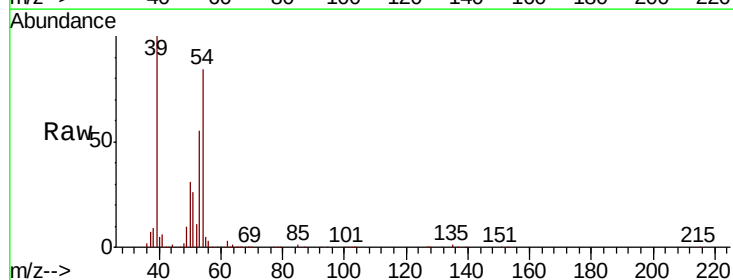
Acq: 15 Jun 2021 11:37

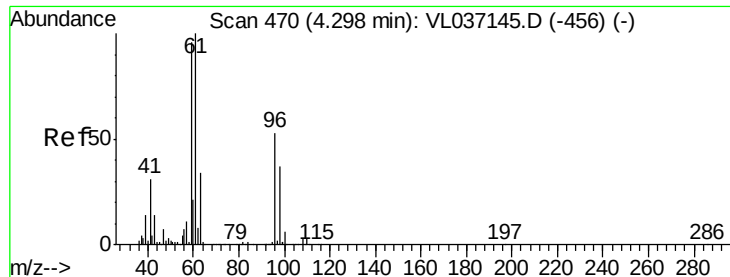
Tgt Ion: 39 Resp: 967725

Ion Ratio Lower Upper

39 100

54 80.1 61.8 92.6



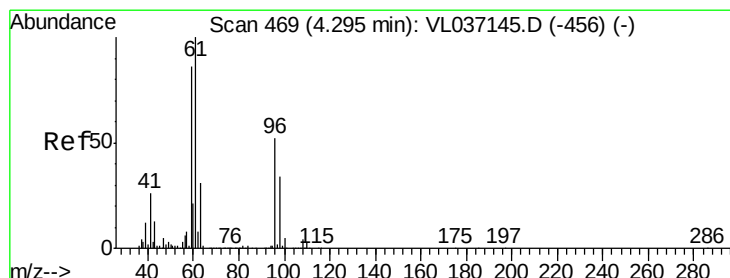
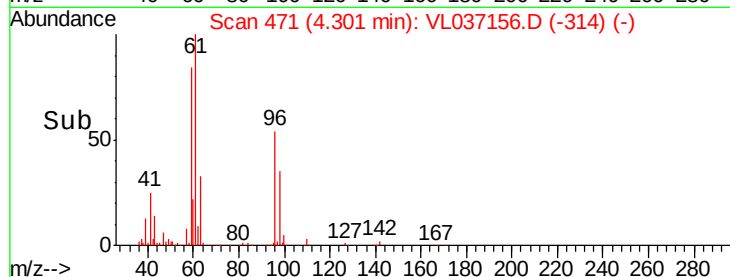
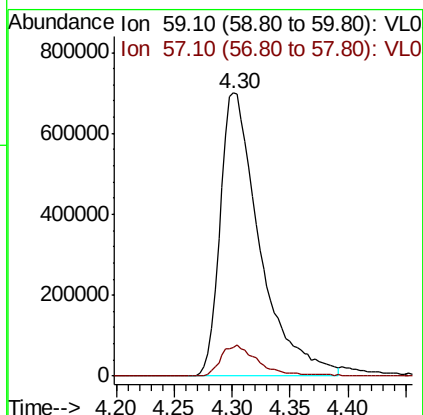
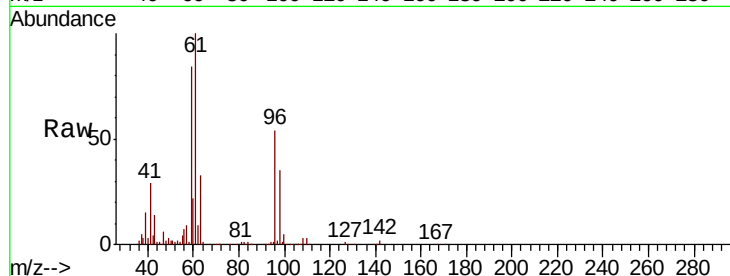


#17

tert-Butyl alcohol
Concen: 9.949 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.00 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Instrument :
MSVOA_L
ClientSampleId :

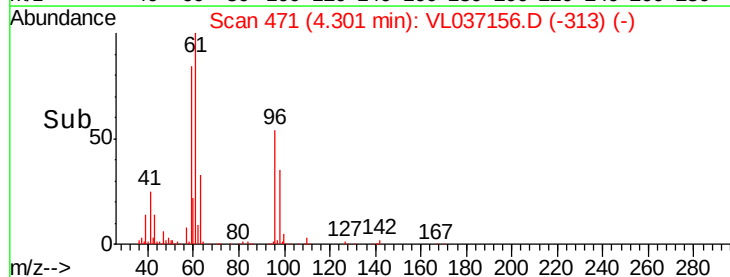
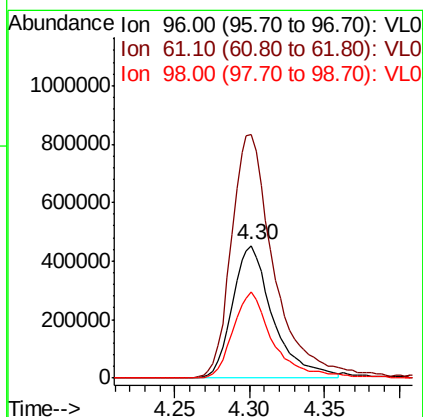
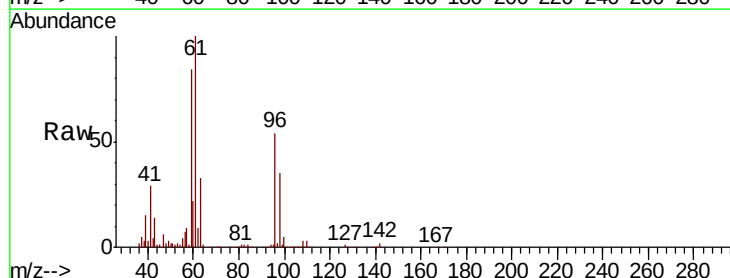
Tot Ion: 59 Resp: 1659050
Ion Ratio Lower Upper
59 100
57 11.1 8.8 13.2

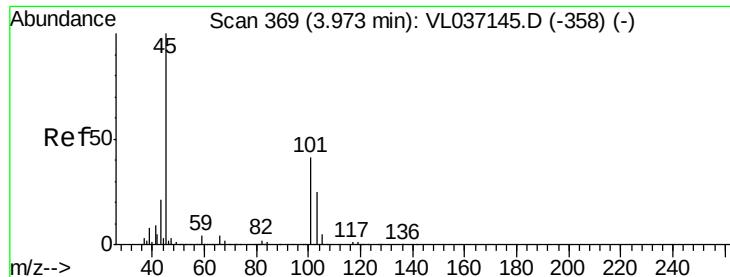


#18

1,1-Dichloroethene
Concen: 9.505 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion: 96 Resp: 855968
Ion Ratio Lower Upper
96 100
61 183.8 154.0 231.0
98 64.7 52.3 78.5





#19

Isopropyl Alcohol

Concen: 9.435 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

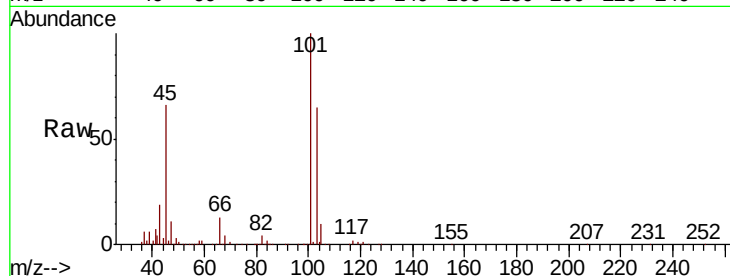
ClientSampleId :

Tot Ion: 45 Resp: 997589

Ion Ratio Lower Upper

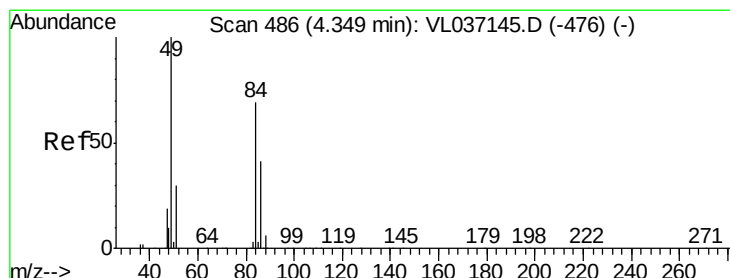
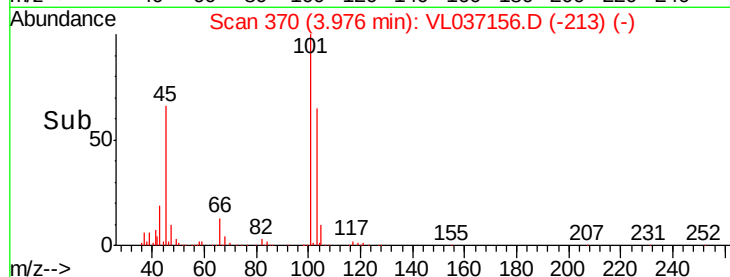
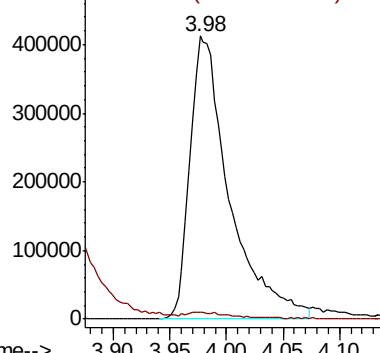
45 100

58 3.3 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.278 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Tgt Ion: 84 Resp: 695151

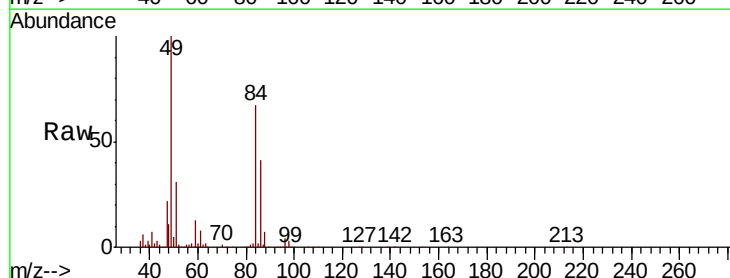
Ion Ratio Lower Upper

84 100

49 147.6 115.3 172.9

51 45.1 34.2 51.4

86 61.0 47.8 71.6

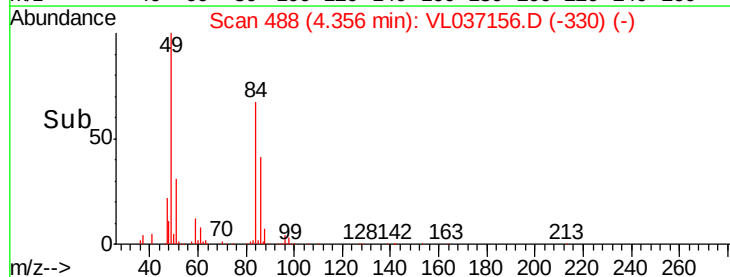
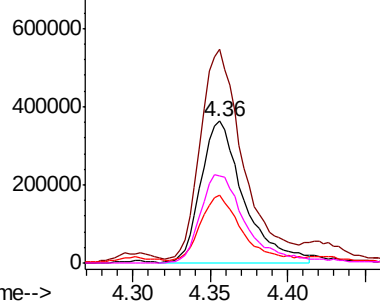


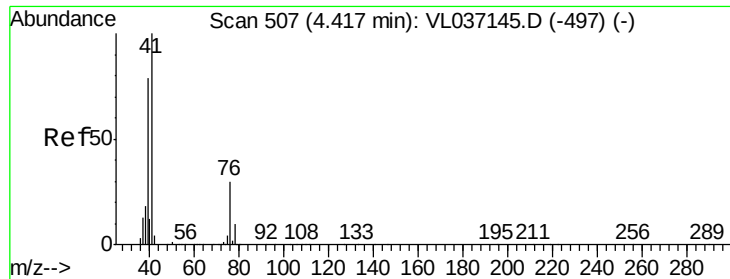
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

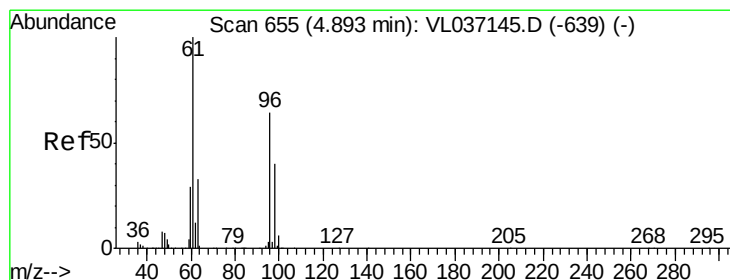
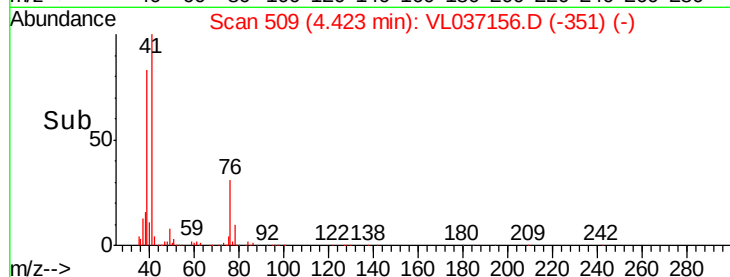
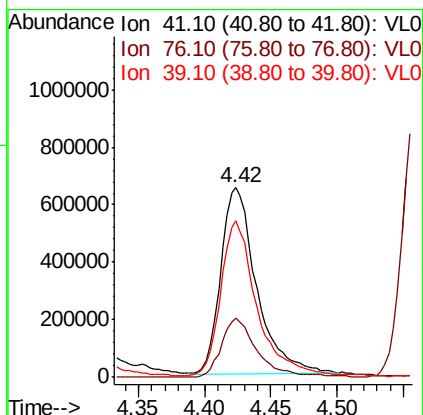
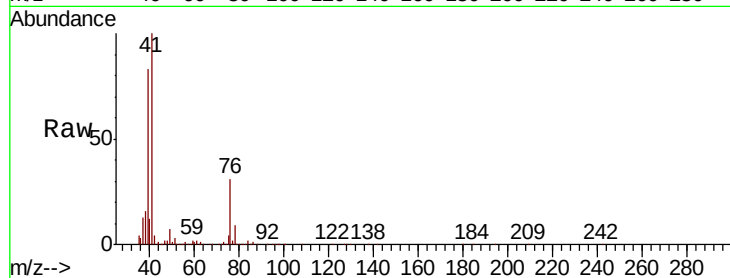




#21
 Allvl Chloride
 Concen: 9.574 ppbv
 RT: 4.42 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

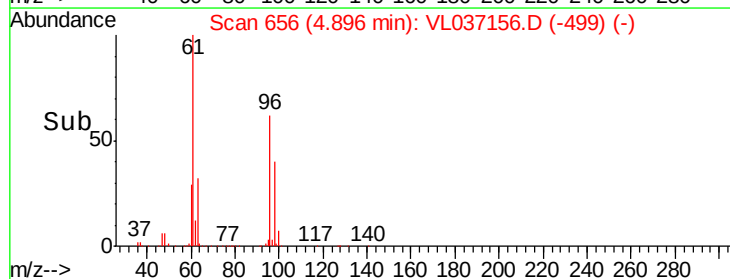
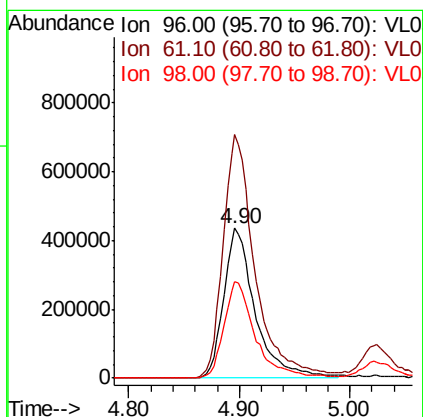
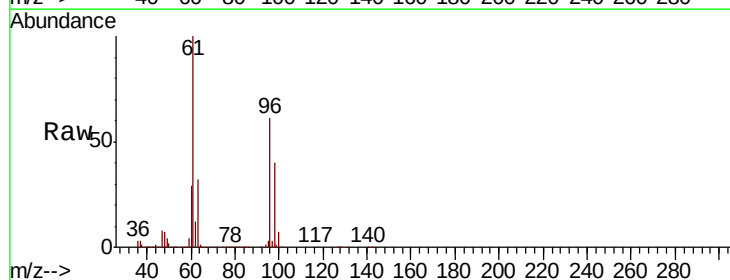
Instrument :
 MSVOA_L
 ClientSampled :

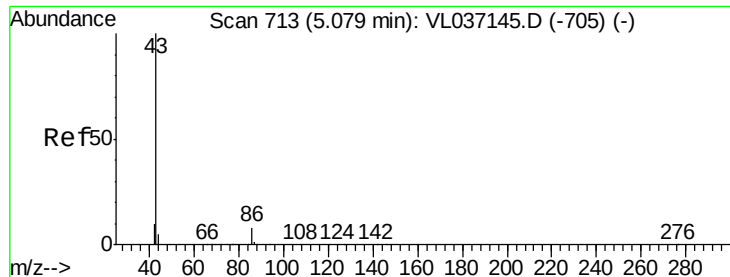
Tot Ion: 41 Resp: 1232364
 Ion Ratio Lower Upper
 41 100
 76 31.7 25.2 37.8
 39 84.6 66.2 99.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.831 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Tgt Ion: 96 Resp: 862530
 Ion Ratio Lower Upper
 96 100
 61 162.7 125.3 187.9
 98 64.6 50.3 75.5





#23

Vinyl Acetate

Concen: 9.297 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

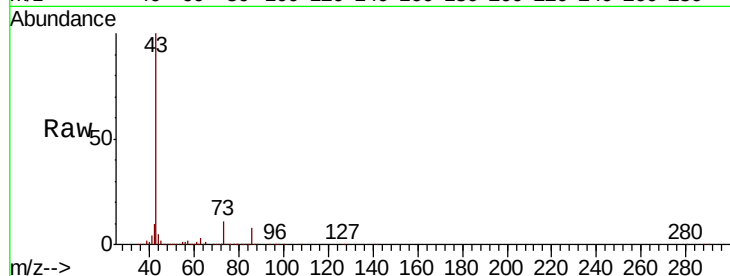
Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

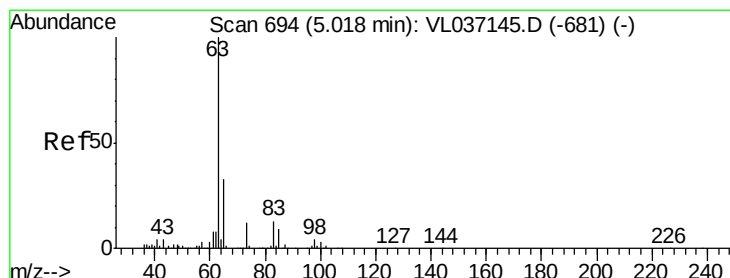
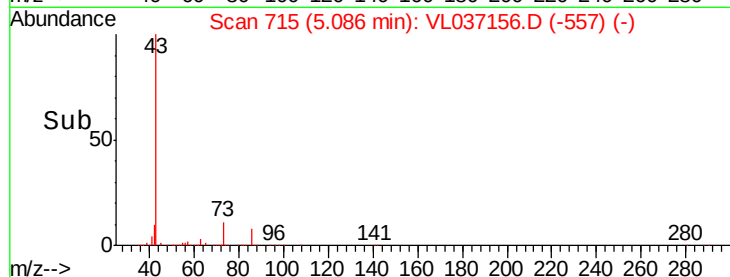
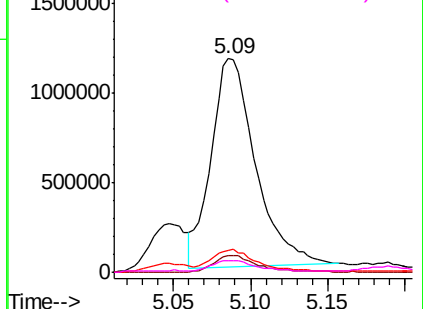
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2352442

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.4	8.2
42	10.2	8.6	12.8
44	5.1	3.8	5.6



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: 9.811 ppbv

RT: 5.02 min Scan# 696

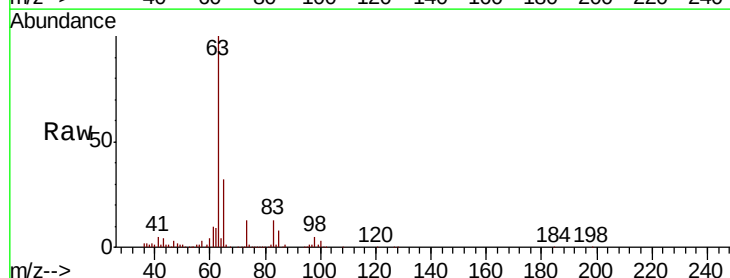
Delta R.T. 0.01 min

Lab File: VL037156.D

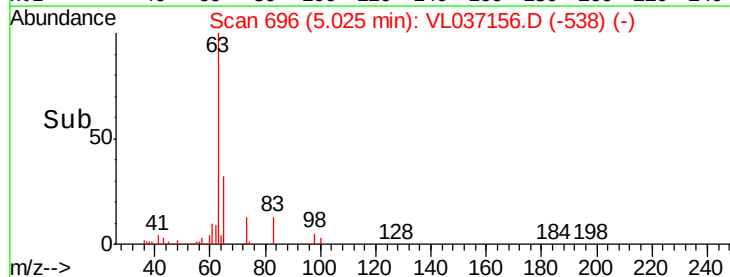
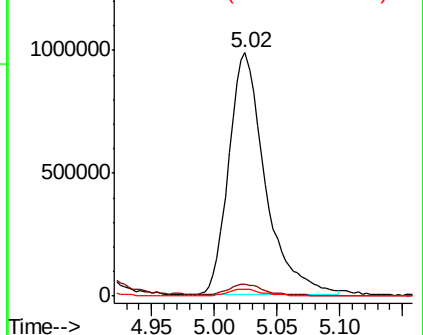
Acq: 15 Jun 2021 11:37

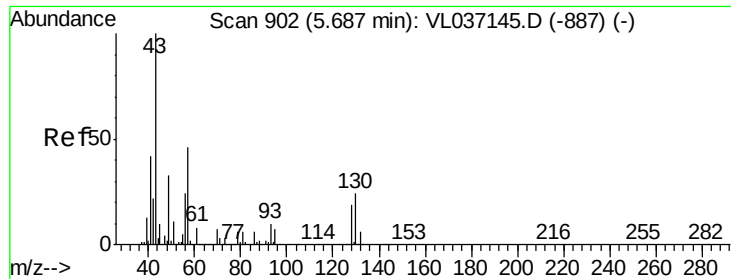
Tgt Ion: 63 Resp: 1992324

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.1
100	2.5	1.6	4.8



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

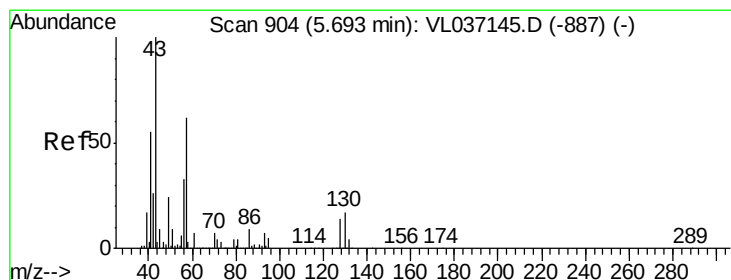
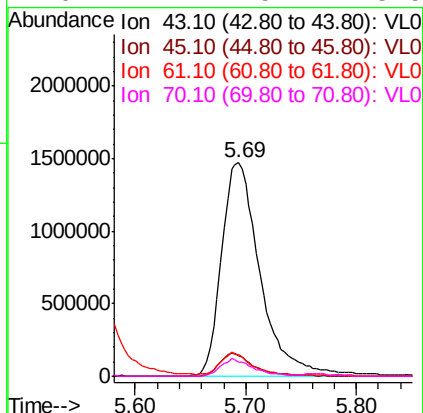
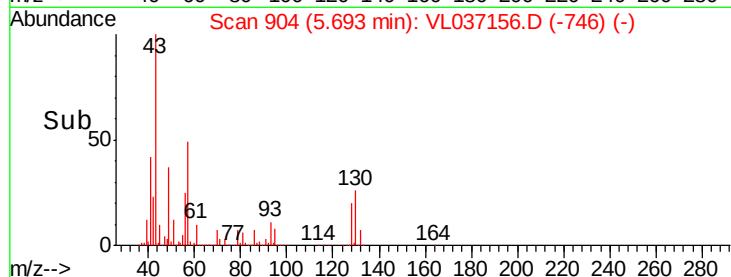
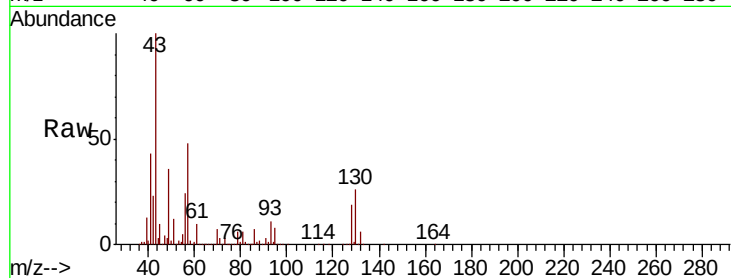




#25
Ethyl Acetate
Concen: 9.410 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

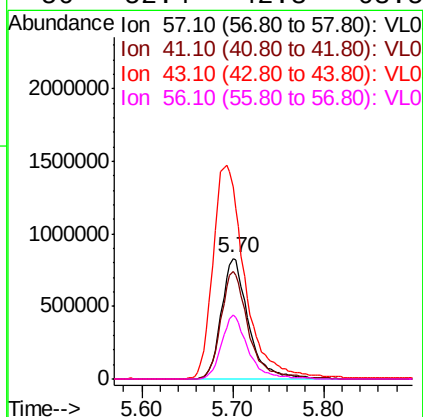
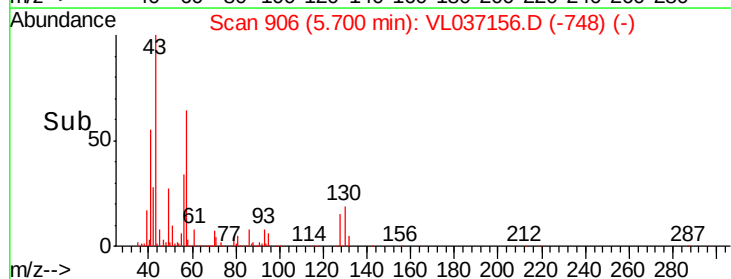
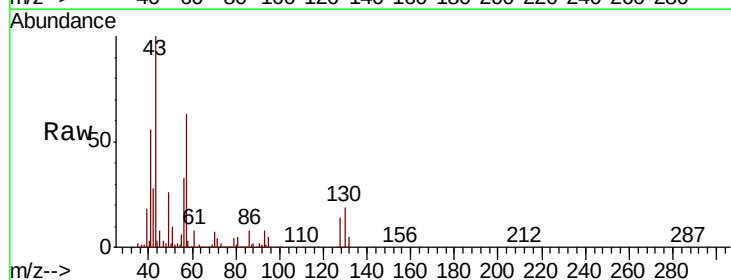
Instrument :
MSVOA_L
ClientSampleId :

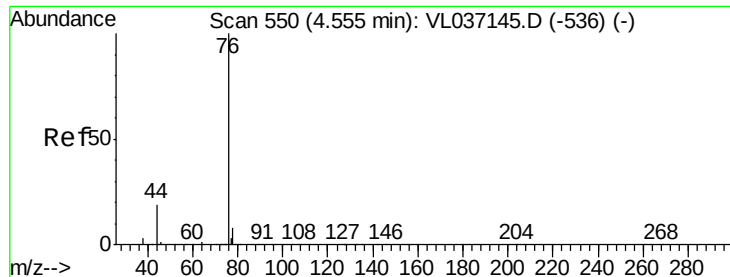
Tot Ion:	43	Resp:	3552505
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	10.3	7.5	11.3
70	7.1	5.7	8.5



#26
Hexane
Concen: 9.153 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion:	57	Resp:	1718604
Ion	Ratio	Lower	Upper
57	100		
41	91.2	73.6	110.4
43	209.8	168.8	253.2
56	52.4	42.3	63.5





#27

Carbon Disulfide

Concen: 10.530 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

ClientSampled :

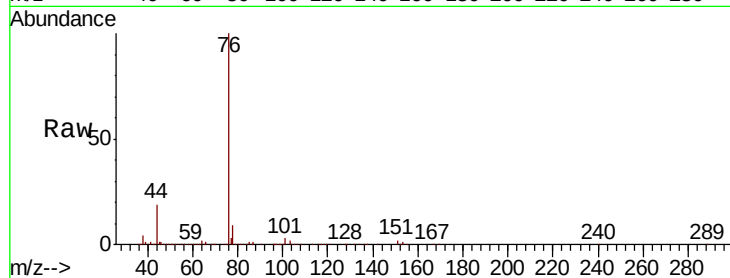
Tot Ion: 76 Resp: 2004654

Ion Ratio Lower Upper

76 100

44 19.2 15.6 23.4

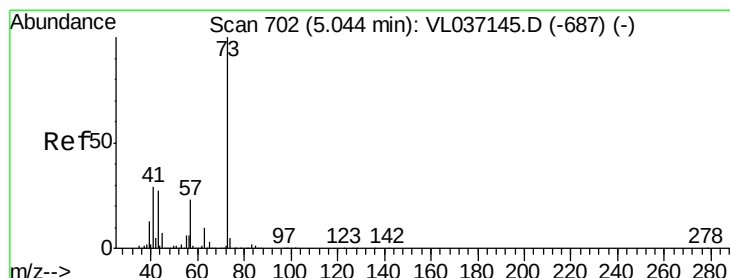
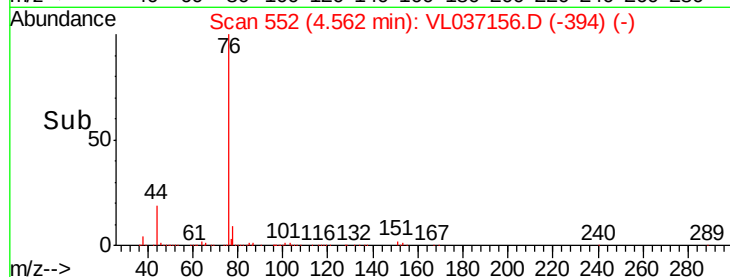
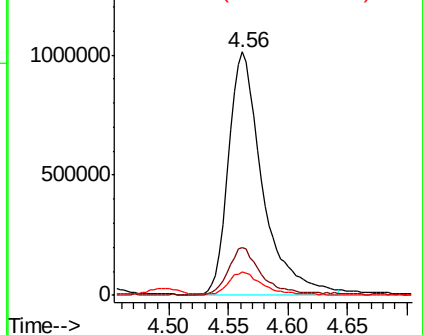
78 10.2 7.6 11.4



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: 9.590 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL037156.D

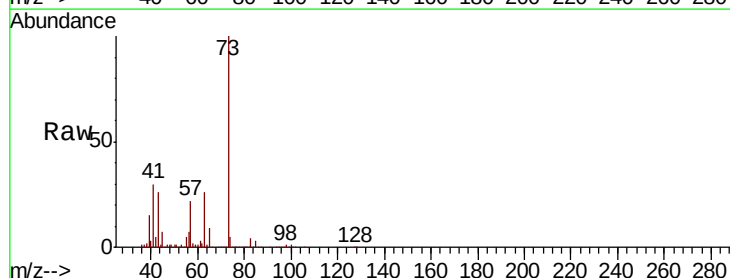
Acq: 15 Jun 2021 11:37

Tgt Ion: 73 Resp: 2255309

Ion Ratio Lower Upper

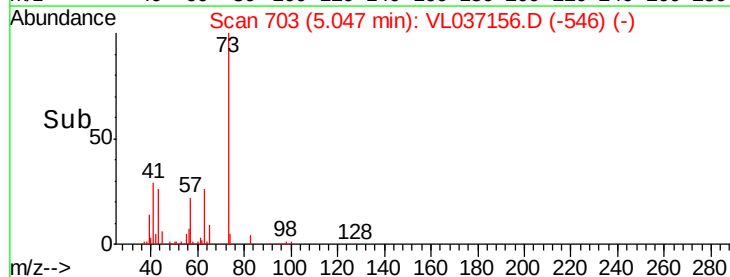
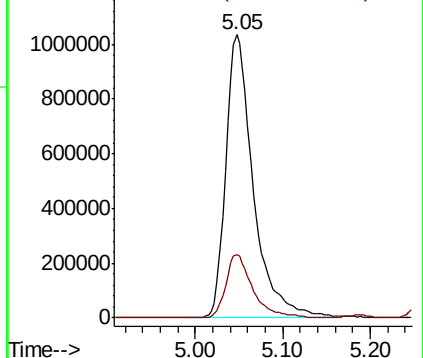
73 100

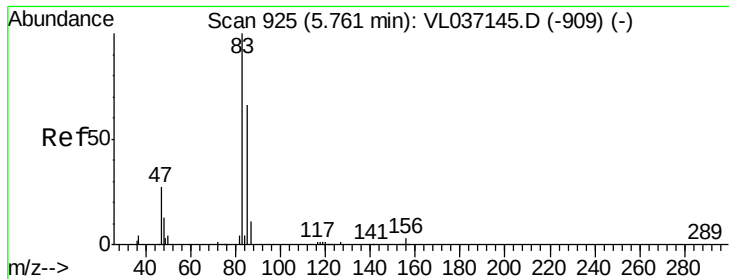
57 22.0 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

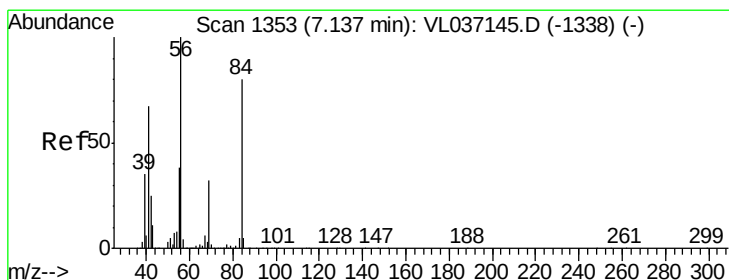
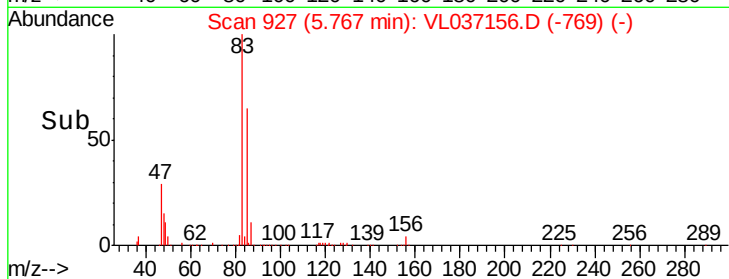
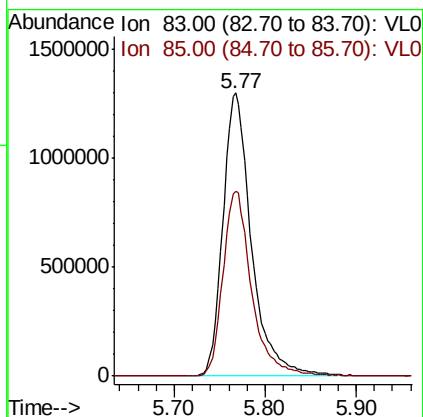
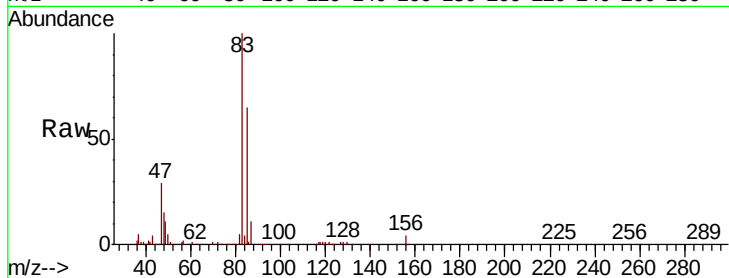




#29
Chloroform
Concen: 9.345 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

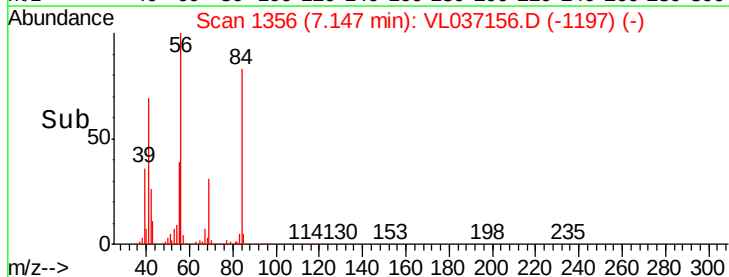
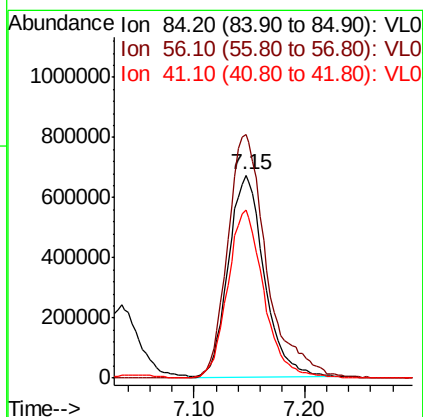
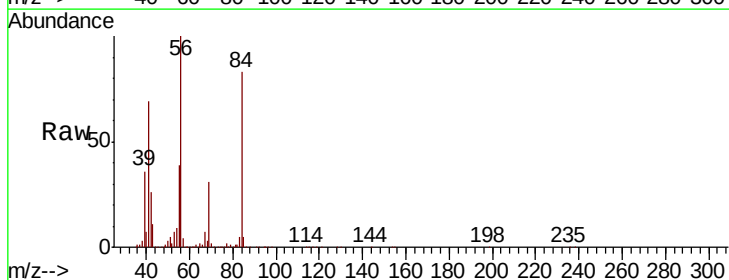
Instrument :
MSVOA_L
ClientSampled :

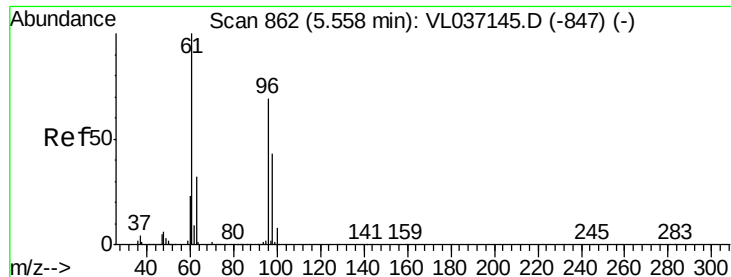
Tot Ion: 83 Resp: 2832637
Ion Ratio Lower Upper
83 100
85 64.9 52.6 78.8



#30
Cyclohexane
Concen: 9.270 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion: 84 Resp: 1517409
Ion Ratio Lower Upper
84 100
56 132.0 103.9 155.9
41 84.2 66.5 99.7





#31

cis-1,2-Dichloroethene

Concen: 9.572 ppbv

RT: 5.56 min Scan# 863

Delta R.T. 0.00 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

ClientSampleId :

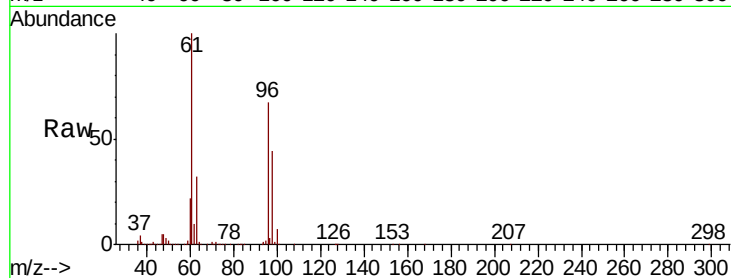
Tot Ion: 61 Resp: 1732122

Ion Ratio Lower Upper

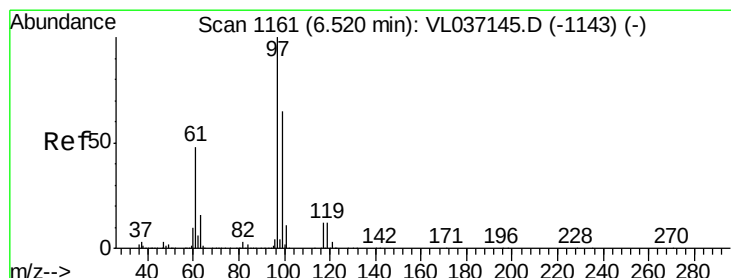
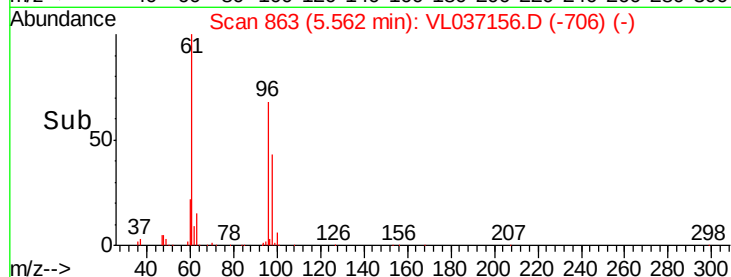
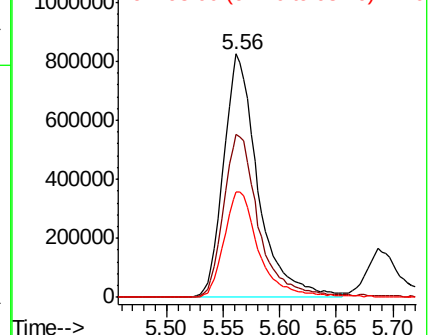
61 100

96 67.0 55.3 82.9

98 43.4 34.7 52.1



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



#32

1,1,1-Trichloroethane

Concen: 10.532 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

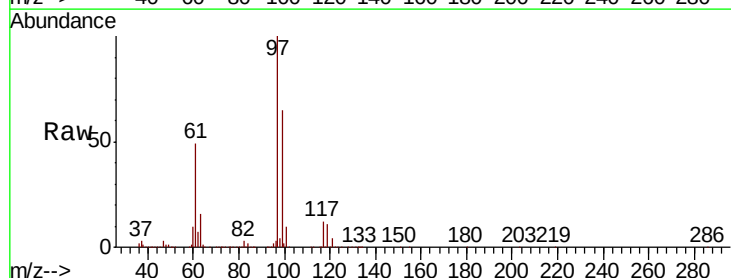
Tgt Ion: 97 Resp: 2931497

Ion Ratio Lower Upper

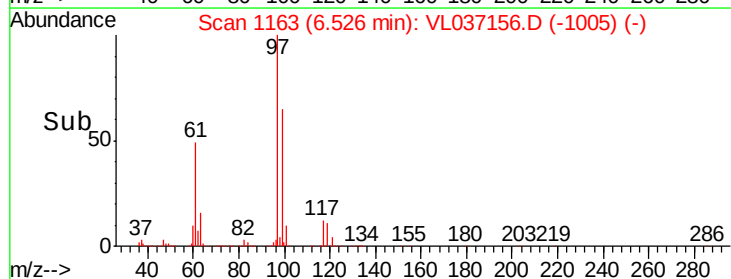
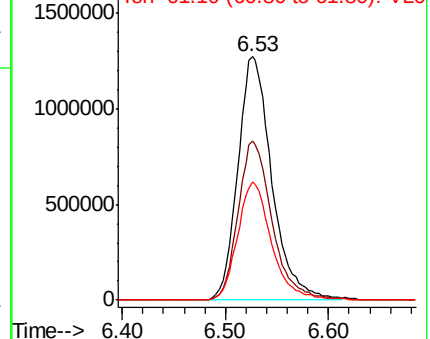
97 100

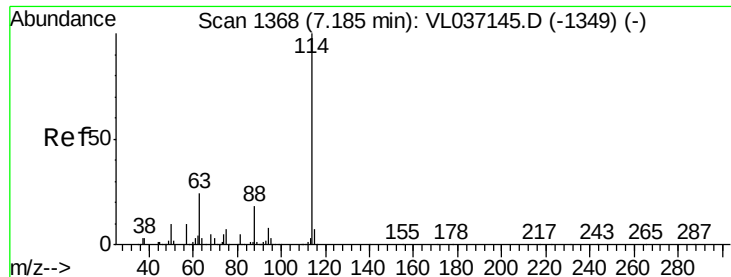
99 65.5 52.4 78.6

61 48.4 38.5 57.7



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

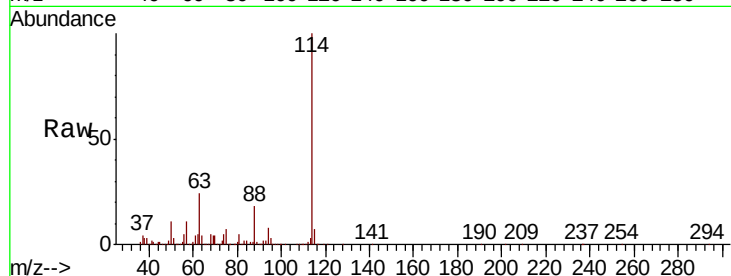




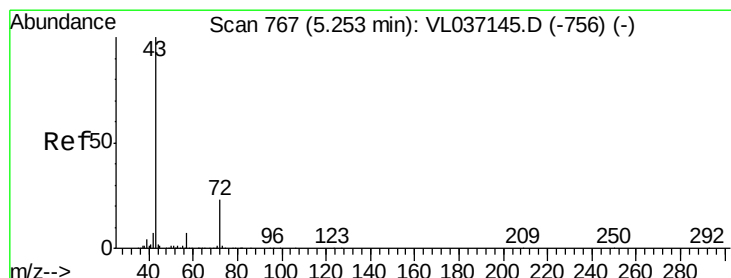
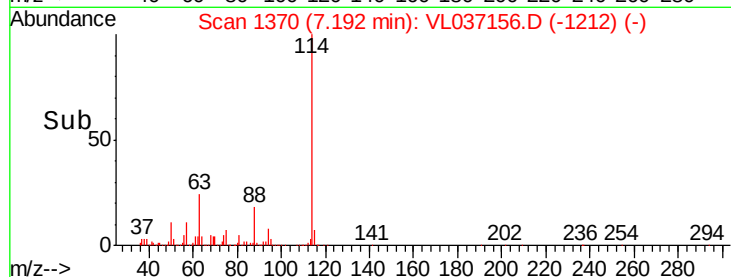
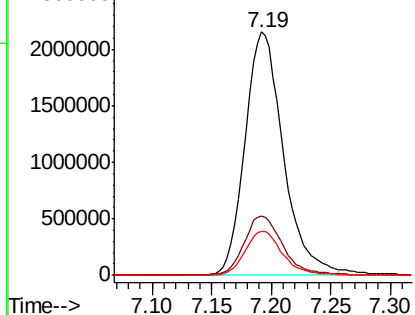
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 4794680
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.8 29.6
 88 18.0 14.3 21.5

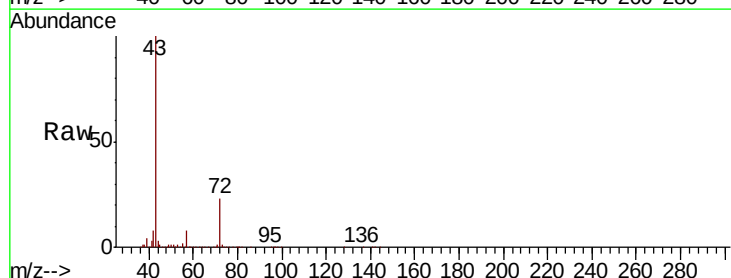


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

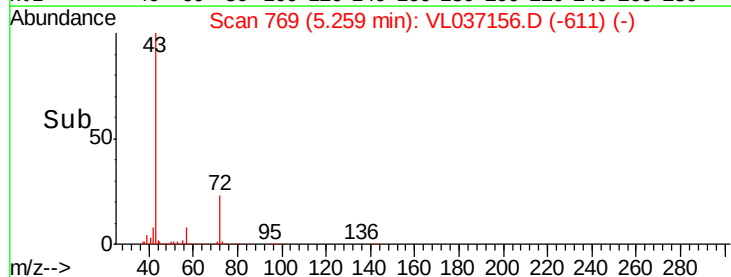
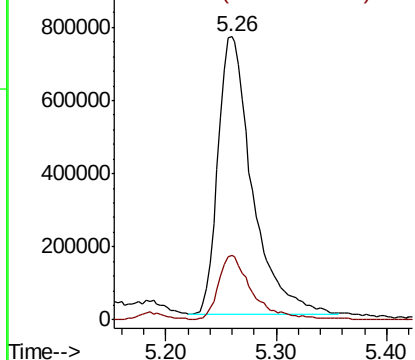


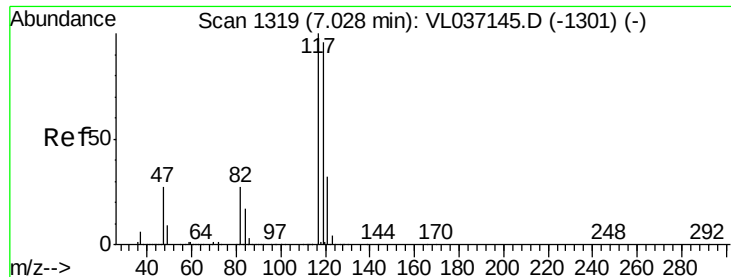
#34
 2-Butanone
 Concen: 9.062 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Tgt Ion: 43 Resp: 1631780
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.6 28.0



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

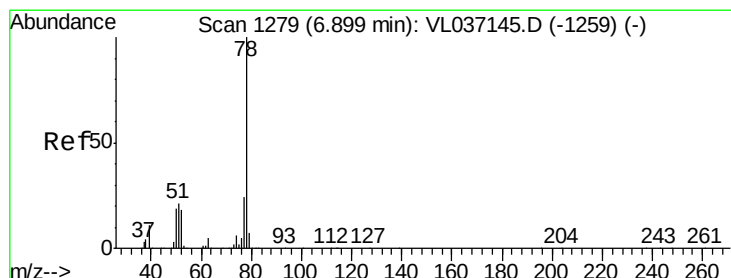
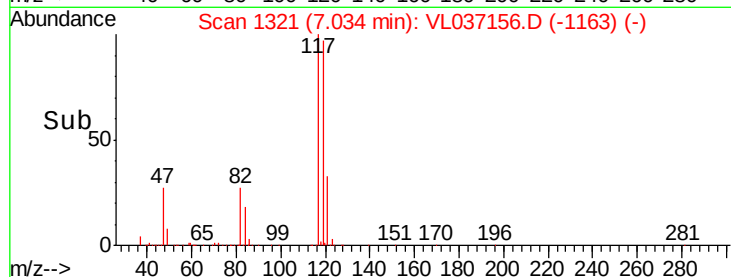
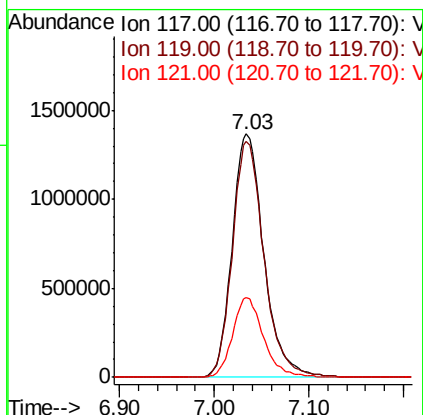
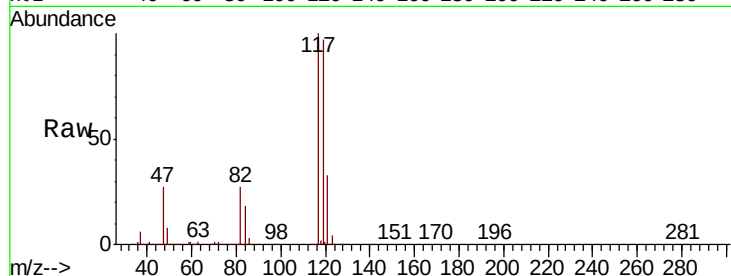




#35
Carbon Tetrachloride
Concen: 10.797 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

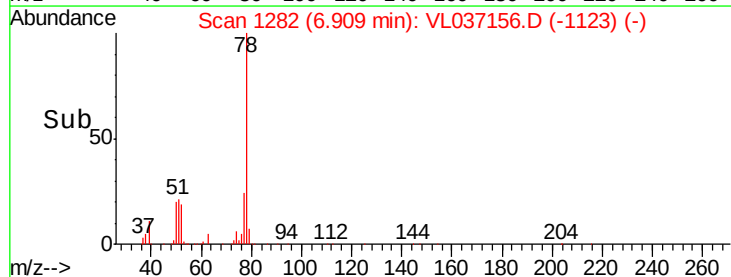
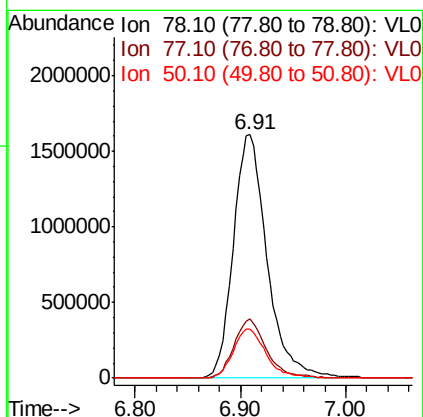
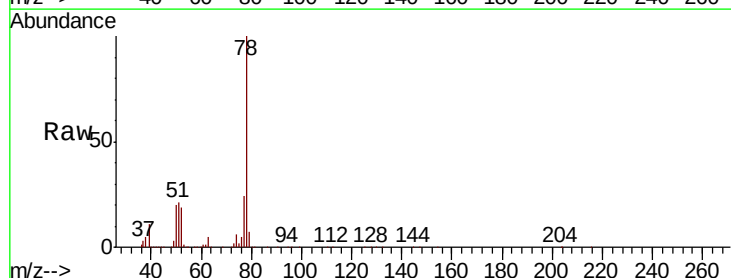
Instrument :
MSVOA_L
ClientSampleId :

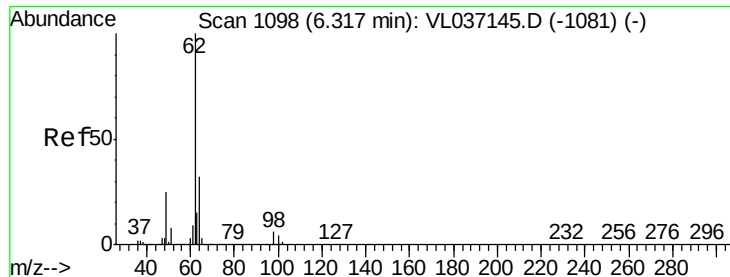
Tot Ion:117 Resp: 3182353
Ion Ratio Lower Upper
117 100
119 96.8 77.0 115.4
121 33.0 25.4 38.0



#36
Benzene
Concen: 9.367 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion: 78 Resp: 3563728
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3
50 20.1 15.5 23.3

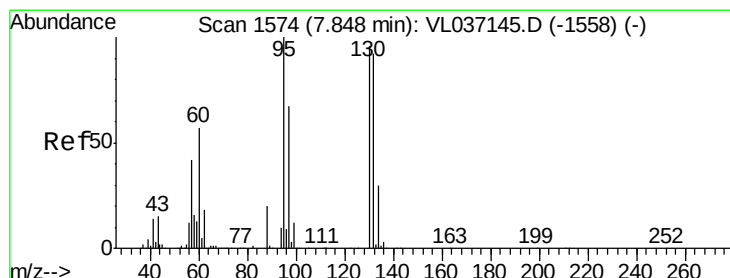
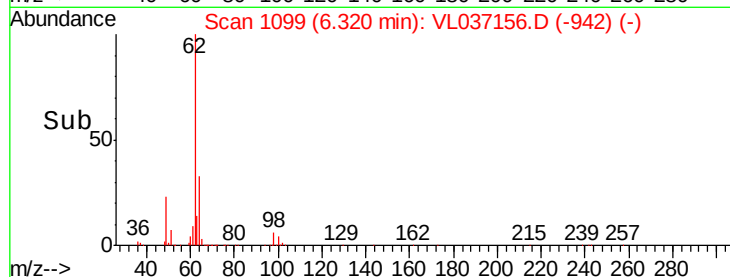
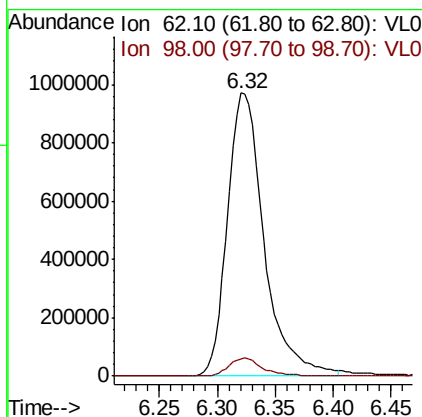
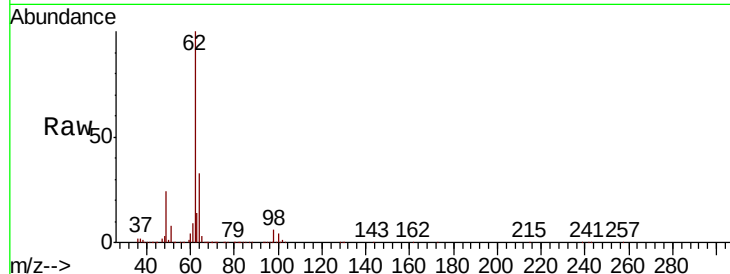




#37
 1,2-Dichloroethane
 Concen: 9.613 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

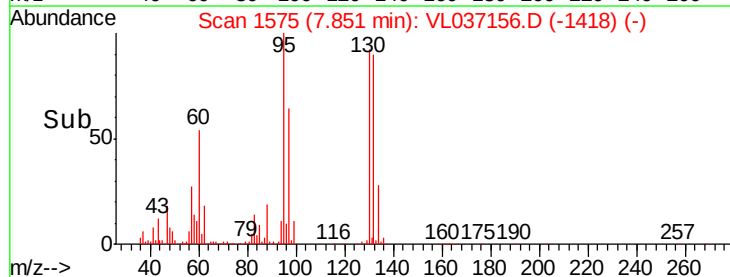
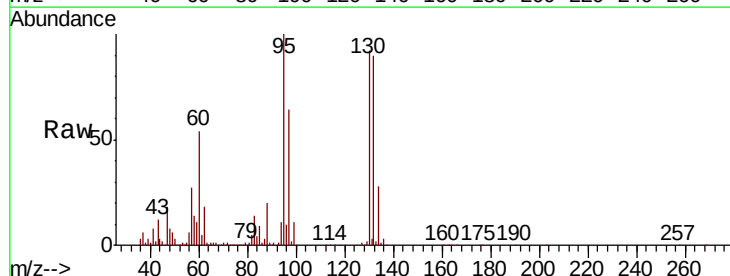
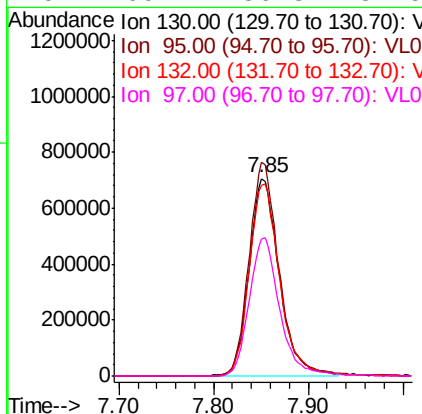
Instrument :
 MSVOA_L
 ClientSampled :

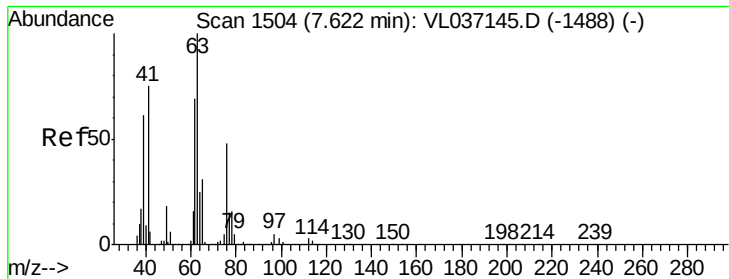
Tot Ion: 62 Resp: 2123669
 Ion Ratio Lower Upper
 62 100
 98 6.2 5.1 7.7



#38
 Trichloroethene
 Concen: 9.562 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Tgt Ion: 130 Resp: 1572115
 Ion Ratio Lower Upper
 130 100
 95 108.3 83.5 125.3
 132 97.0 76.8 115.2
 97 69.2 56.3 84.5





#39

1,2-Dichloropropane

Concen: 9.338 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

ClientSampleId :

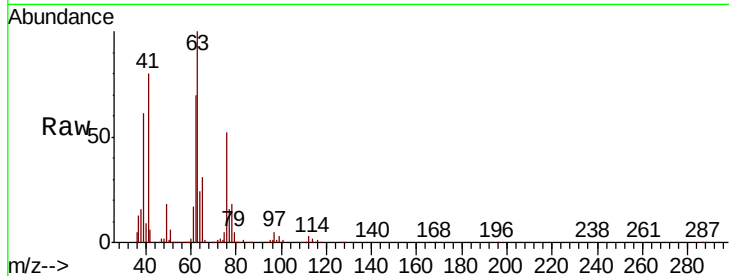
Tot Ion: 63 Resp: 1356417

Ion Ratio Lower Upper

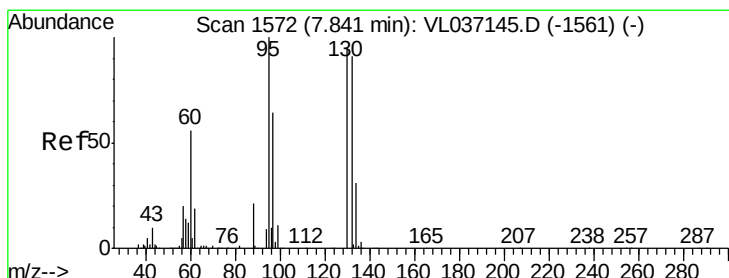
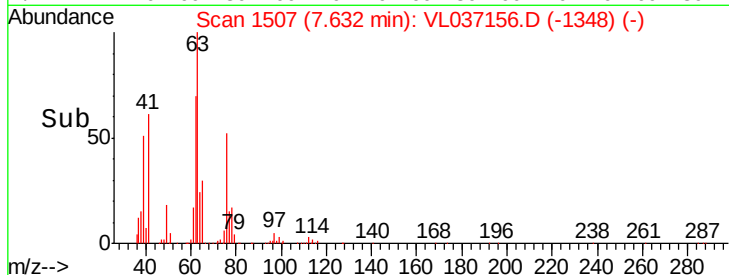
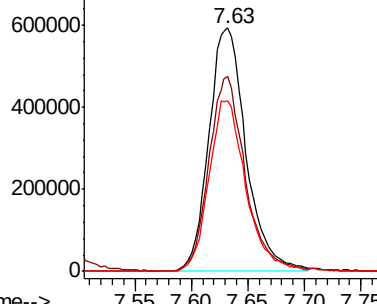
63 100

41 79.7 60.0 90.0

62 69.9 55.4 83.0



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



#40

1,4-Dioxane

Concen: 8.312 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Tgt Ion: 88 Resp: 338099

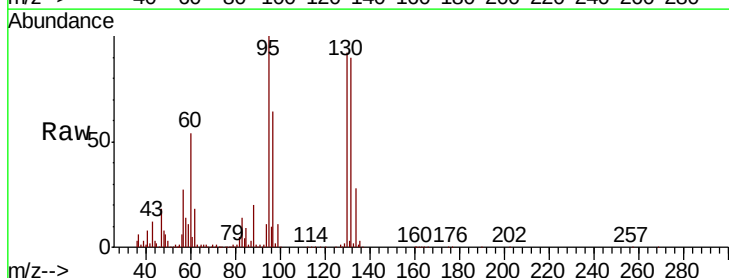
Ion Ratio Lower Upper

88 100

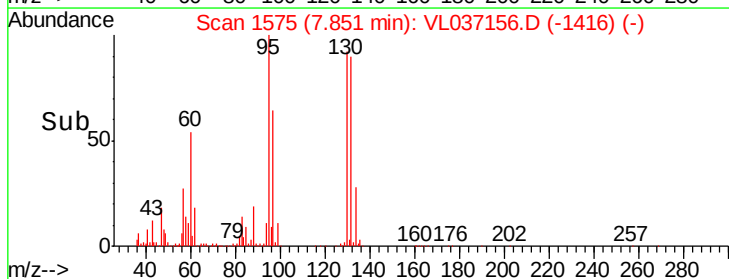
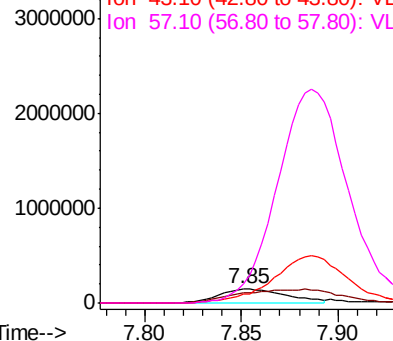
58 0.0 115.6 173.4#

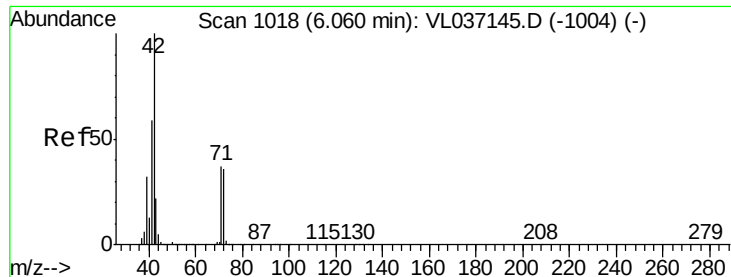
43 0.0 278.3 417.5#

57 0.0 1207.4 1811.0#



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

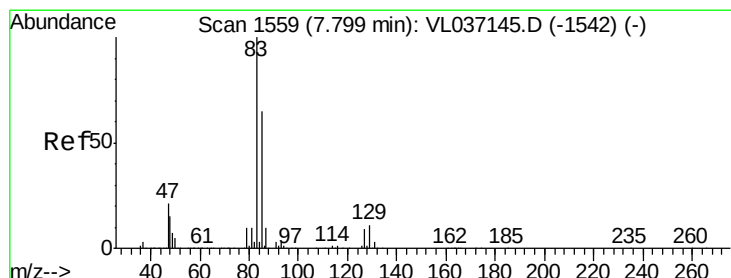
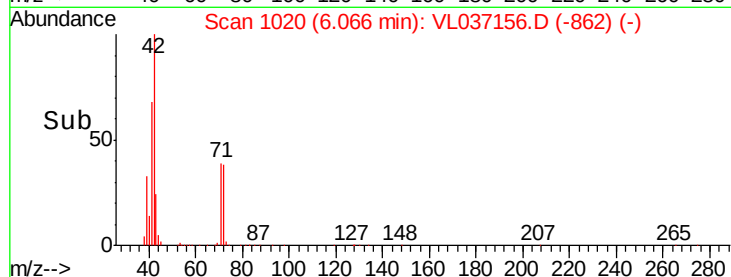
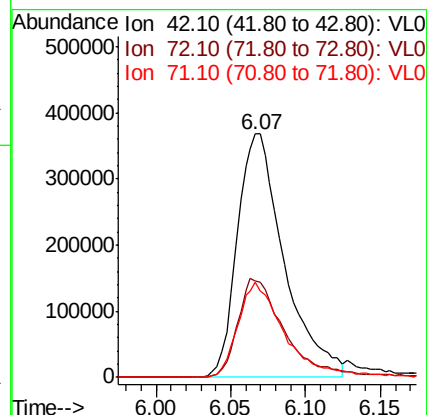
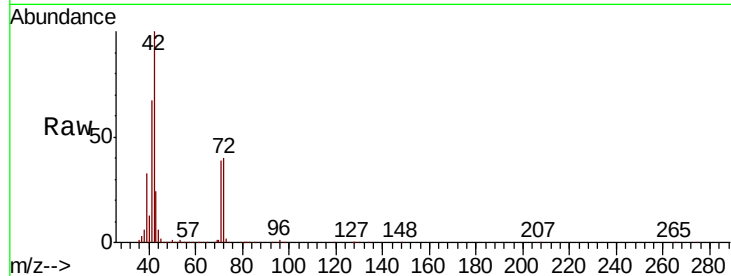




#41
Tetrahydrofuran
Concen: 9.124 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

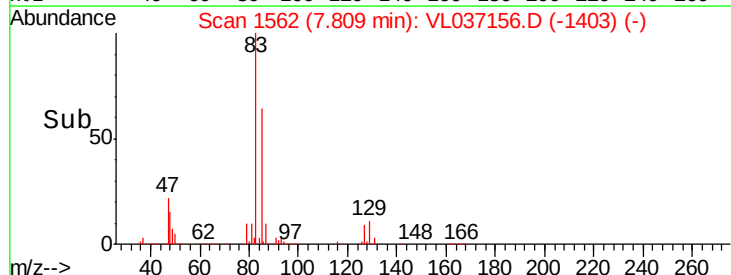
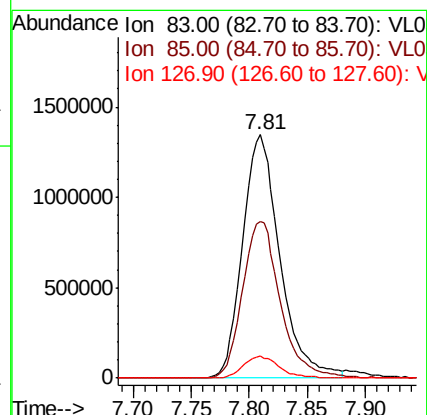
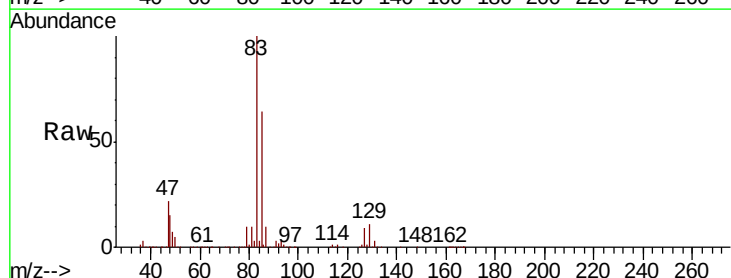
Instrument :
MSVOA_L
ClientSampleId :

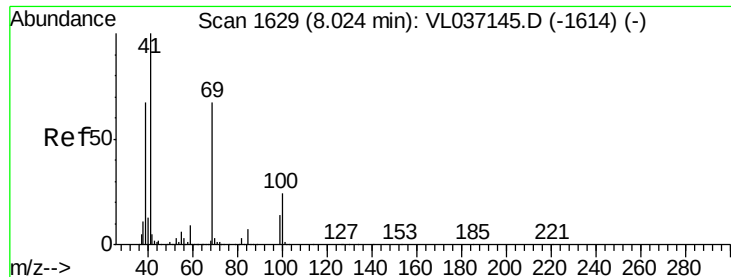
Tot Ion: 42 Resp: 799545
Ion Ratio Lower Upper
42 100
72 41.5 31.7 47.5
71 39.8 31.0 46.6



#42
Bromodichloromethane
Concen: 9.920 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion: 83 Resp: 3019501
Ion Ratio Lower Upper
83 100
85 64.4 51.7 77.5
127 8.9 7.4 11.0

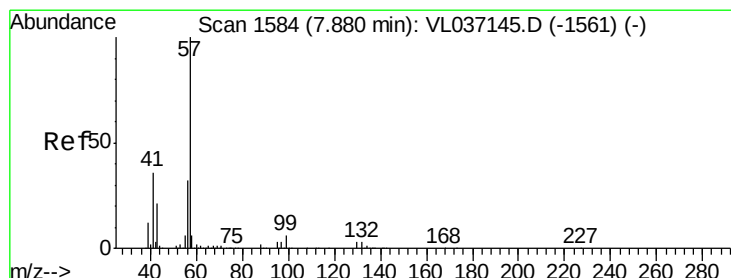
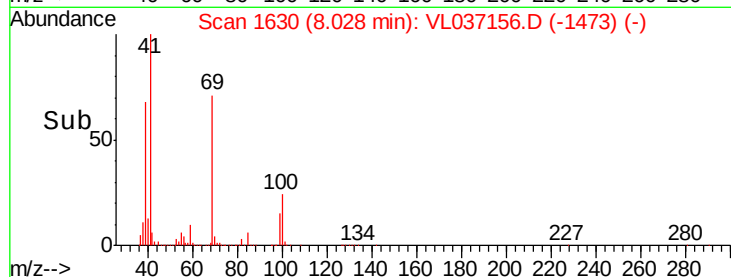
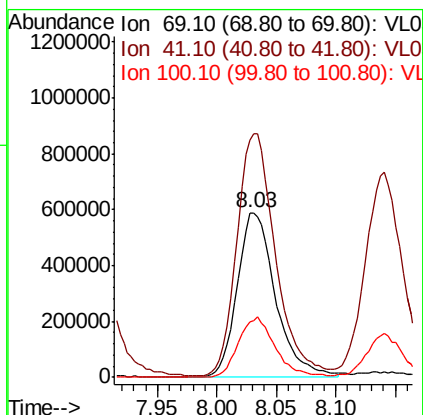
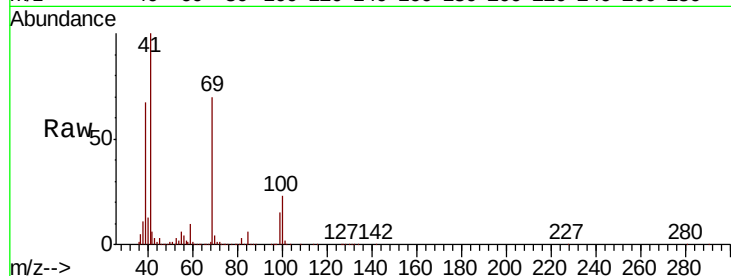




#43
Methyl Methacrylate
Concen: 10.087 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

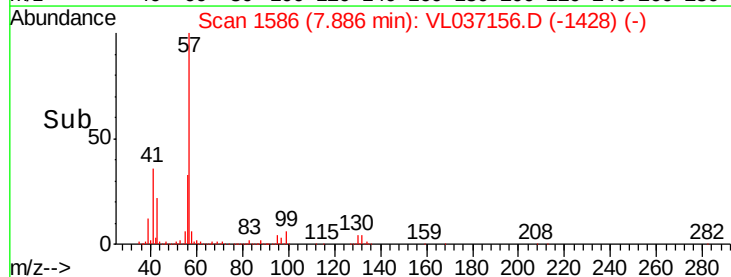
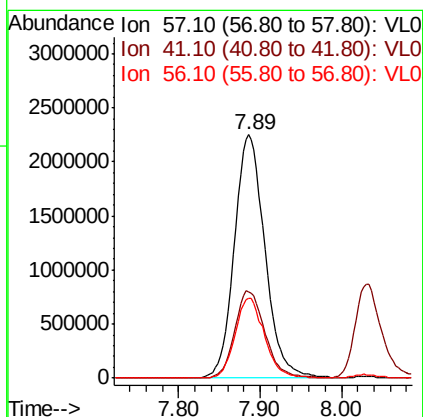
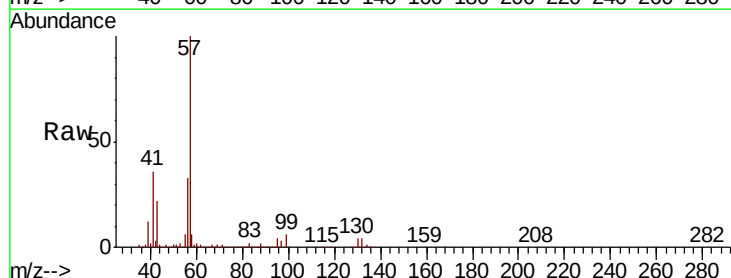
Instrument :
MSVOA_L
ClientSampled :

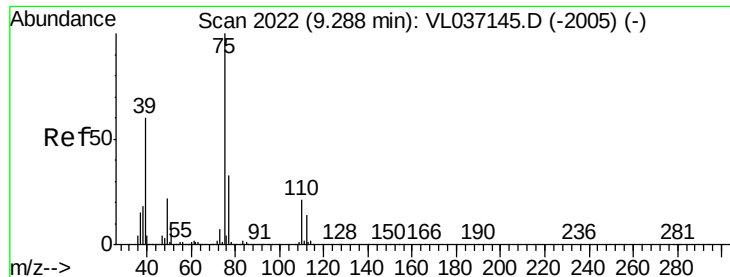
Tot Ion: 69 Resp: 1316559
Ion Ratio Lower Upper
69 100
41 148.8 117.7 176.5
100 35.1 27.9 41.9



#44
2,2,4-Trimethylpentane
Concen: 9.204 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion: 57 Resp: 5861159
Ion Ratio Lower Upper
57 100
41 35.2 28.1 42.1
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 11.390 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

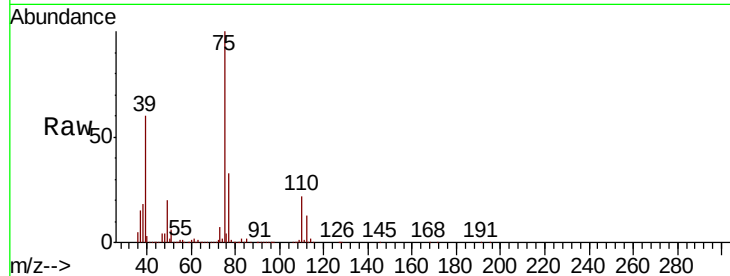
ClientSampleId :

Tot Ion: 75 Resp: 1339711

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

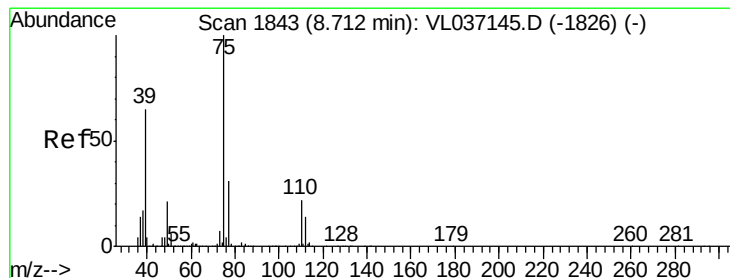
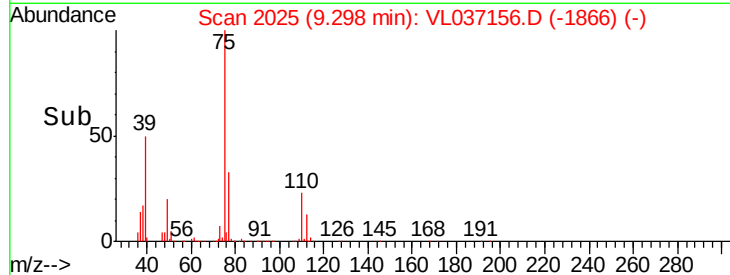
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.860 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

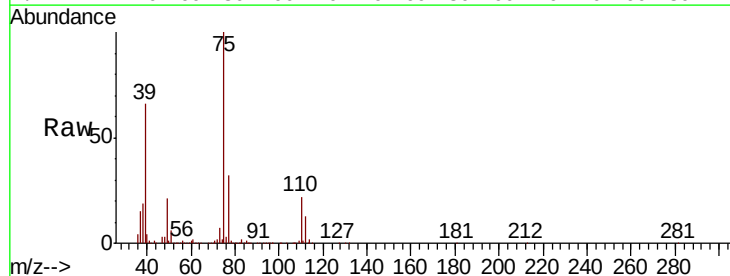
Tgt Ion: 75 Resp: 1704412

Ion Ratio Lower Upper

75 100

39 66.0 52.2 78.4

77 32.4 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.72

1000000

800000

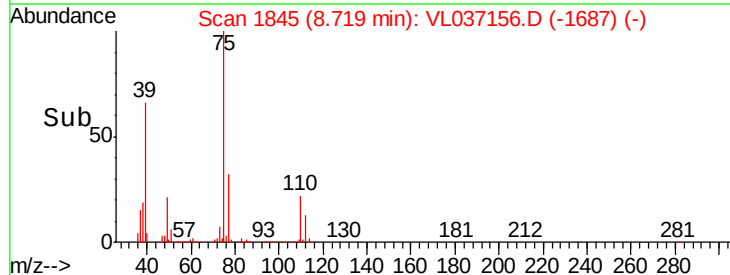
600000

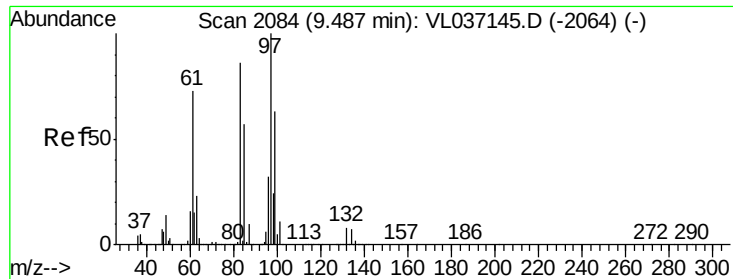
400000

200000

0

Time-->

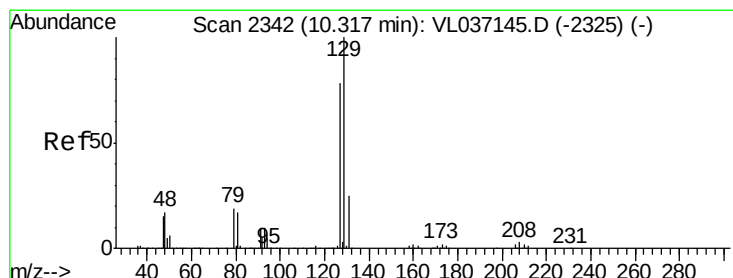
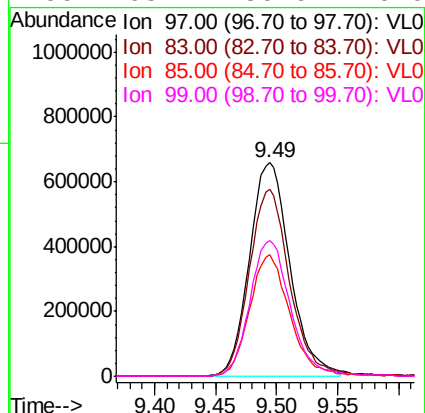
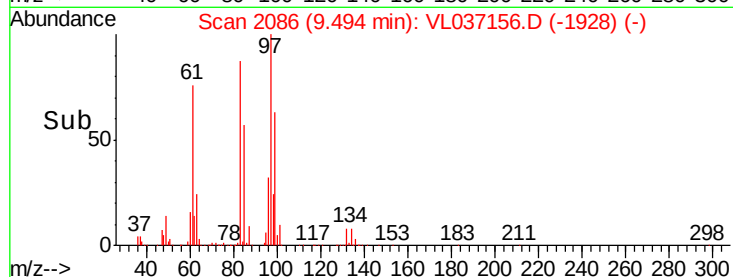
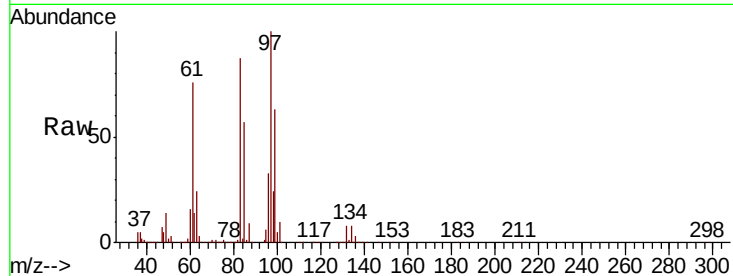




#47
 1,1,2-Trichloroethane
 Concen: 9.175 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

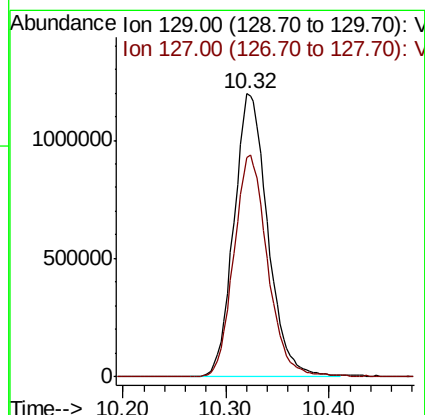
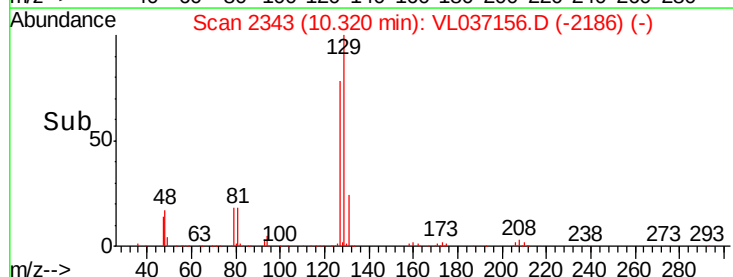
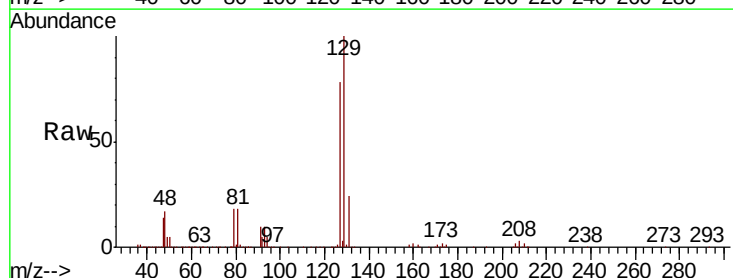
Instrument :
 MSVOA_L
 ClientSampleId :

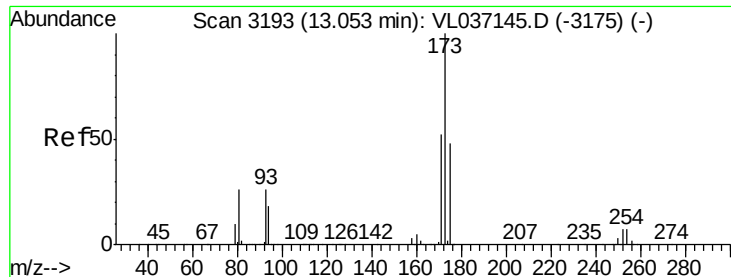
Tot Ion: 97 Resp: 1511623
 Ion Ratio Lower Upper
 97 100
 83 87.1 69.0 103.4
 85 56.6 45.7 68.5
 99 63.2 50.6 76.0



#48
 Dibromochloromethane
 Concen: 10.290 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Tgt Ion: 129 Resp: 2735021
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.4 118.2





#49

Bromoform

Concen: 10.343 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

ClientSampled :

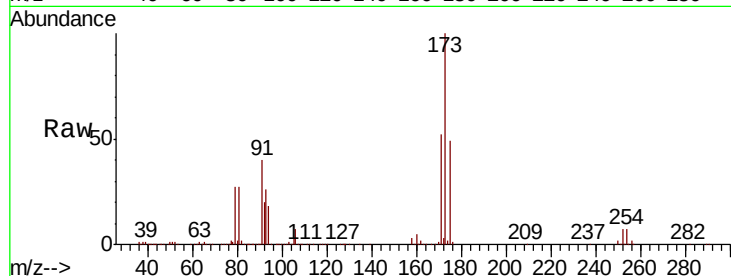
Tot Ion:173 Resp: 2147588

Ion Ratio Lower Upper

173 100

175 50.3 39.8 59.6

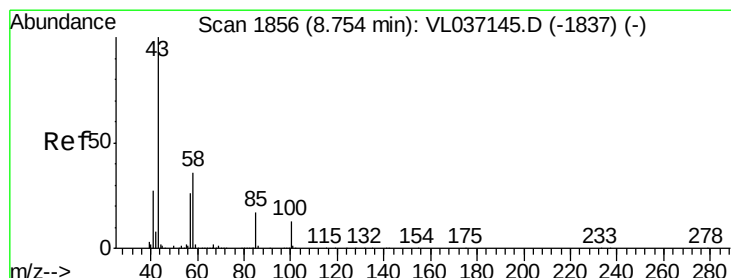
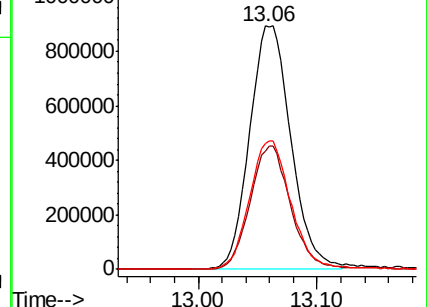
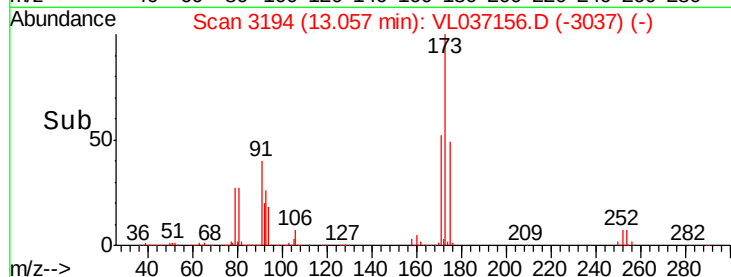
171 53.7 42.5 63.7



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.191 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL037156.D

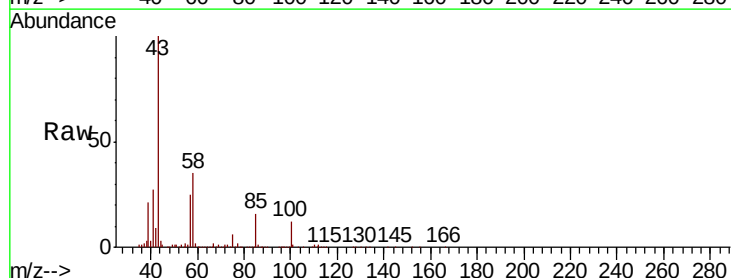
Acq: 15 Jun 2021 11:37

Tgt Ion: 43 Resp: 2434663

Ion Ratio Lower Upper

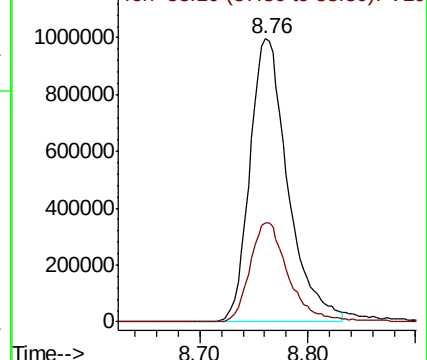
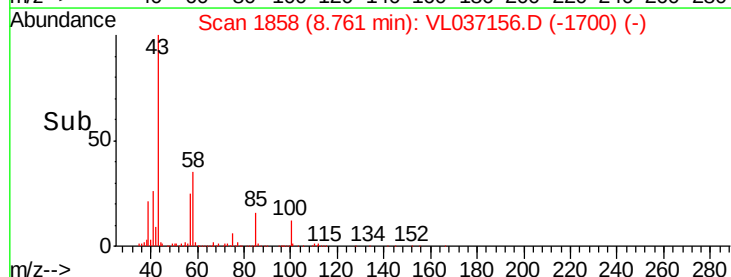
43 100

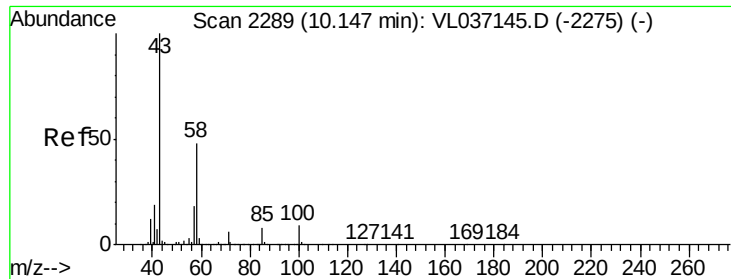
58 35.8 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

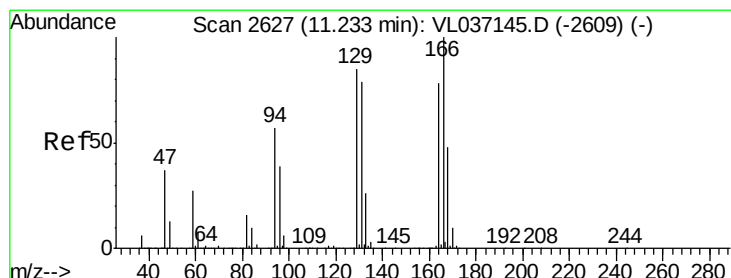
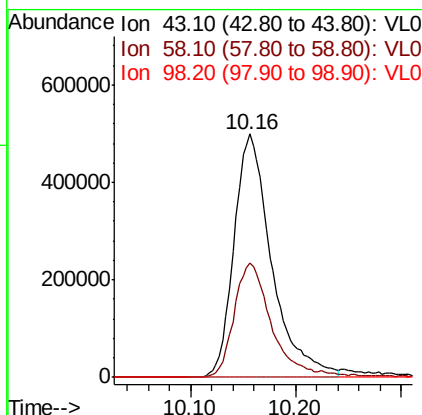
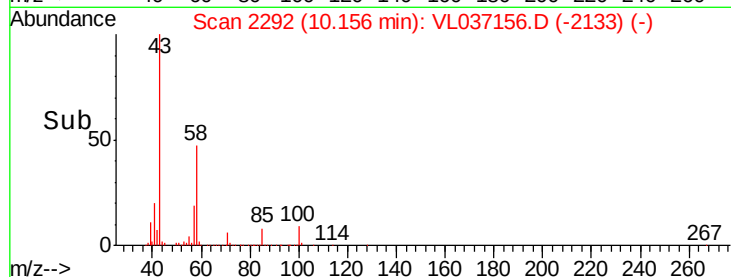
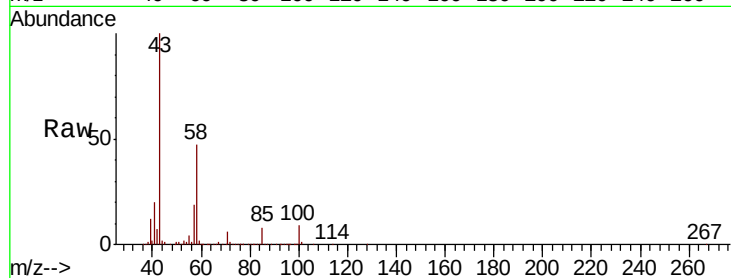




#51
2-Hexanone
Concen: 9.336 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

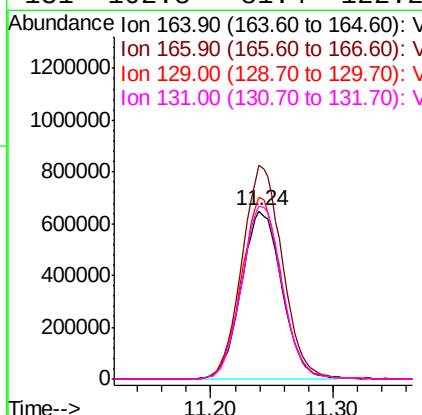
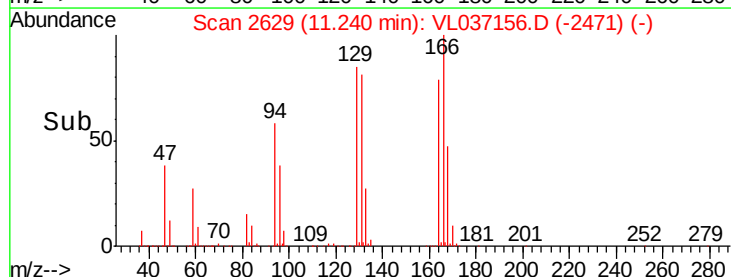
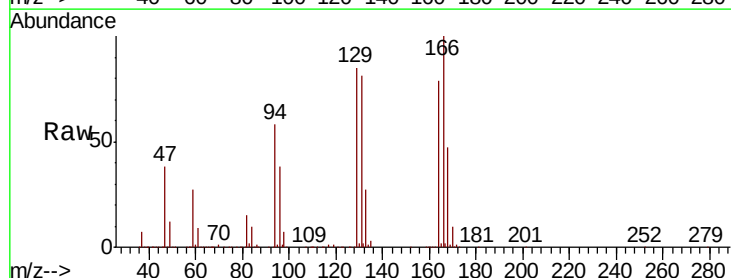
Instrument :
MSVOA_L
ClientSampleId :

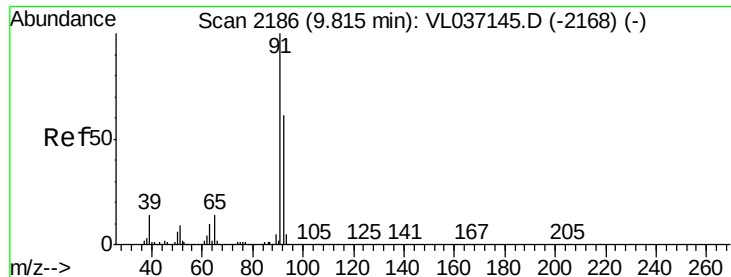
Tot Ion: 43 Resp: 1234373
Ion Ratio Lower Upper
43 100
58 48.4 40.1 60.1
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 9.458 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion: 164 Resp: 1488154
Ion Ratio Lower Upper
164 100
166 127.4 102.6 154.0
129 108.4 87.4 131.2
131 102.8 81.4 122.2





#53

Toluene

Concen: 9.473 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

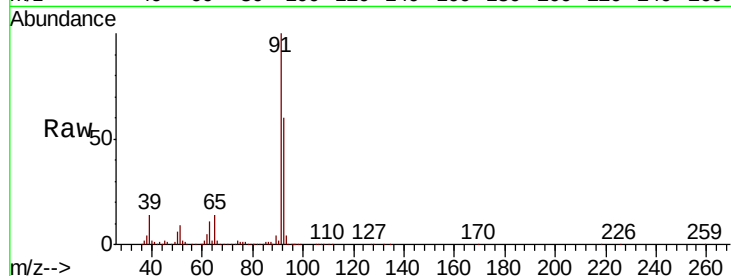
ClientSampleId :

Tot Ion: 91 Resp: 4283887

Ion Ratio Lower Upper

91 100

92 60.9 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.82

2000000

1500000

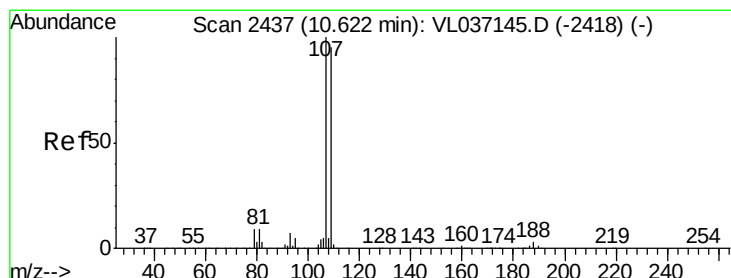
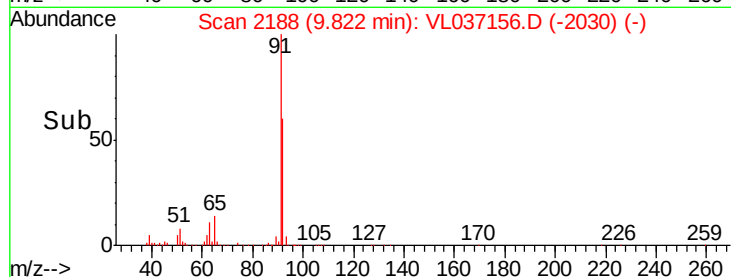
1000000

500000

0

9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.508 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL037156.D

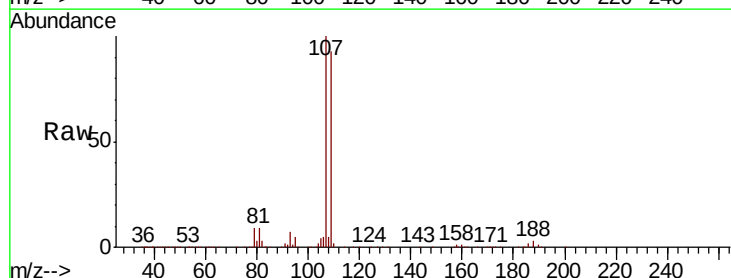
Acq: 15 Jun 2021 11:37

Tgt Ion: 107 Resp: 2293767

Ion Ratio Lower Upper

107 100

109 93.4 75.6 113.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.63

1000000

800000

600000

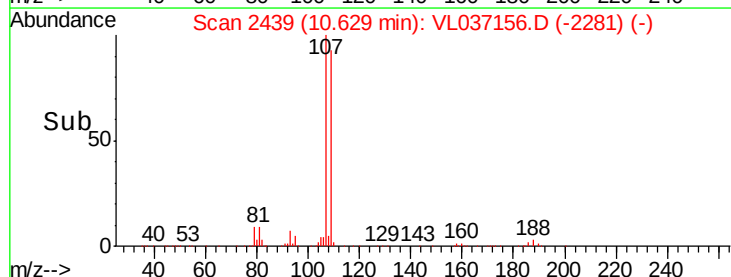
400000

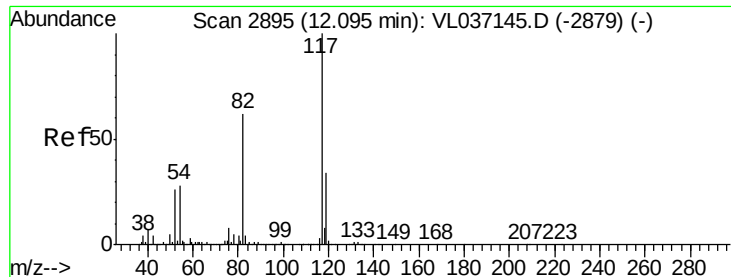
200000

0

10.50 10.60 10.70

Time-->

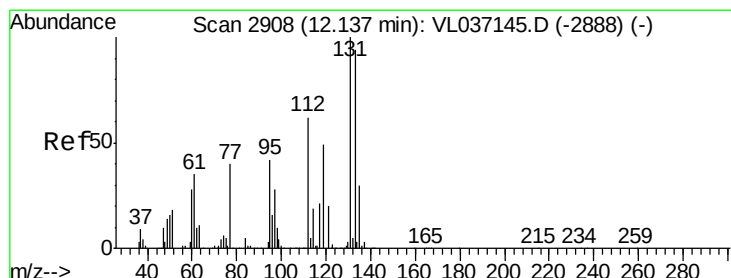
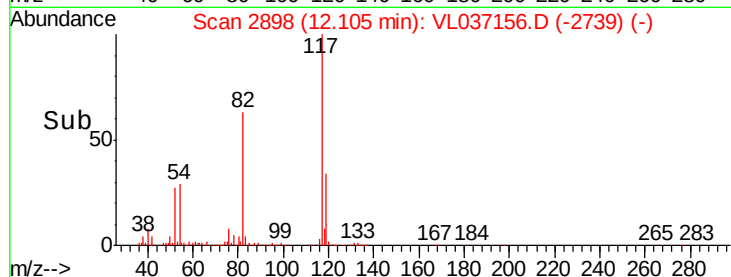
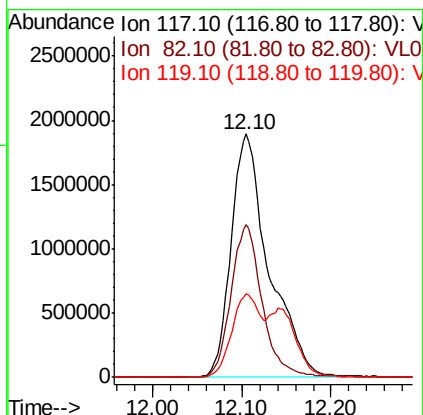
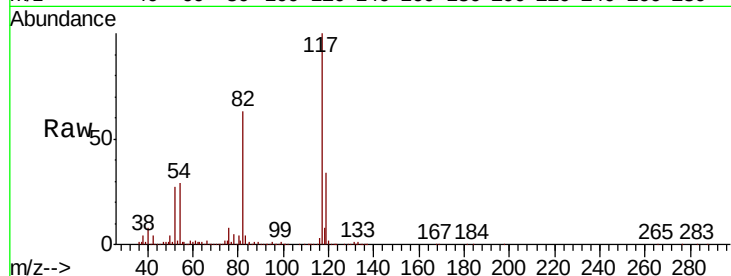




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

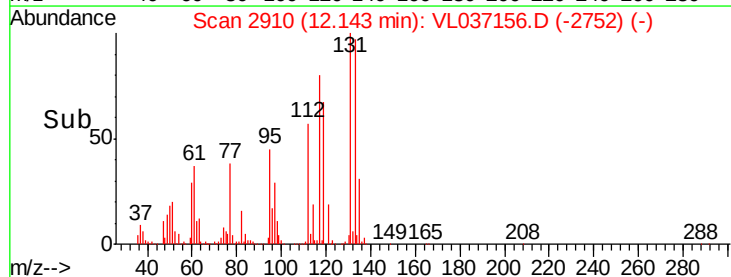
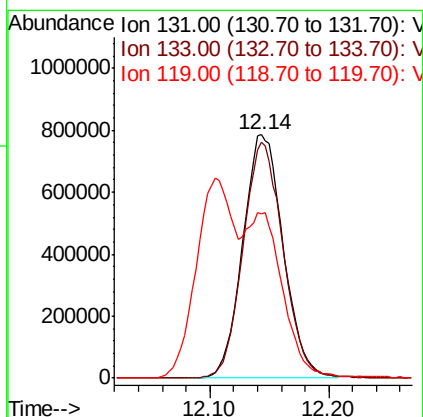
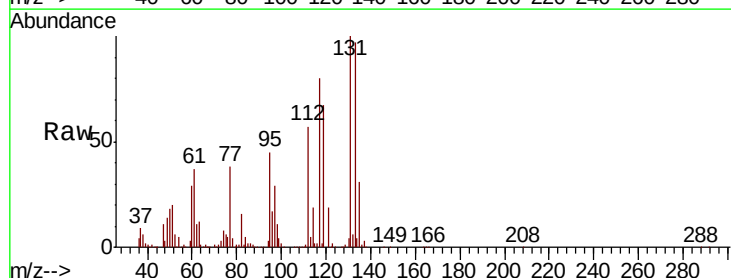
Instrument :
MSVOA_L
ClientSampleId :

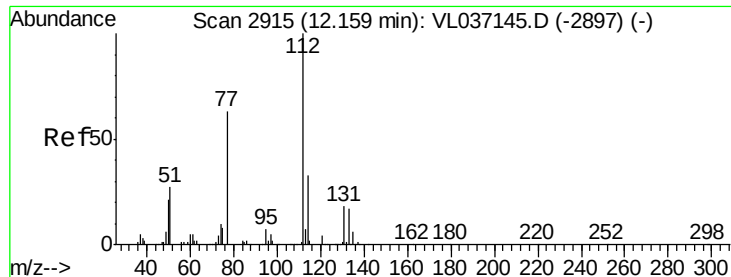
Tot Ion:117 Resp: 5577499
Ion Ratio Lower Upper
117 100
82 52.1 50.6 76.0
119 26.9 27.1 40.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.597 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion:131 Resp: 1848023
Ion Ratio Lower Upper
131 100
133 96.4 76.7 115.1
119 60.2 50.7 76.1





#57

Chlorobenzene

Concen: 7.351 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

ClientSampleId :

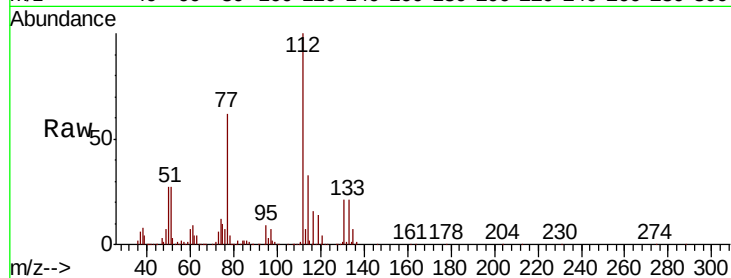
Tot Ion:112 Resp: 3285445

Ion Ratio Lower Upper

112 100

77 61.6 51.4 77.2

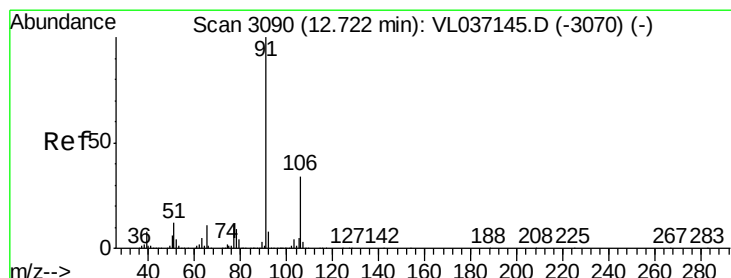
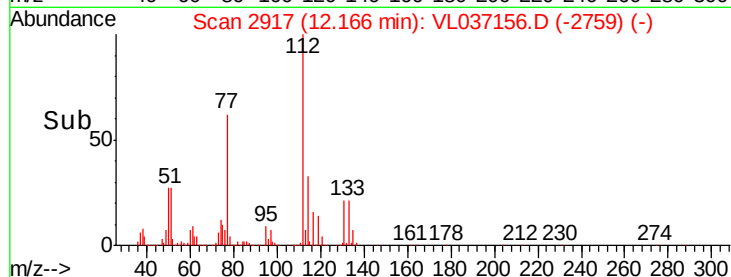
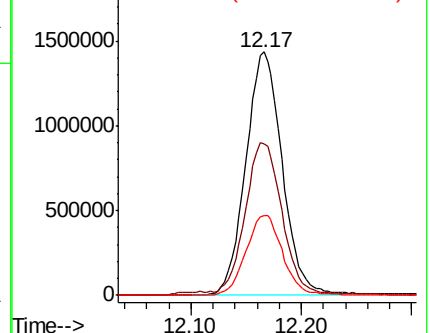
114 32.6 29.7 36.3



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: 7.455 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL037156.D

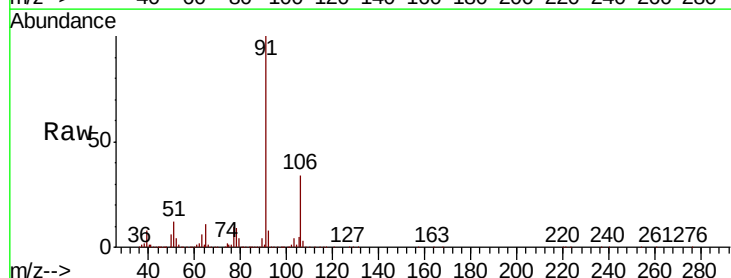
Acq: 15 Jun 2021 11:37

Tgt Ion: 91 Resp: 5631954

Ion Ratio Lower Upper

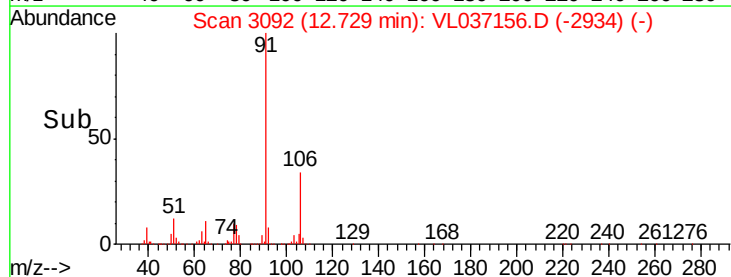
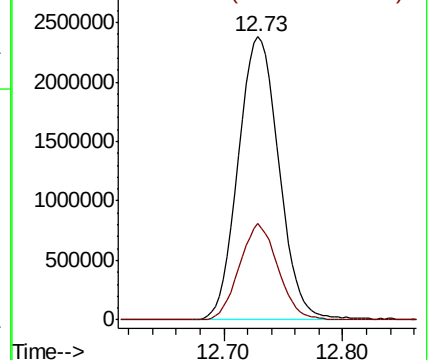
91 100

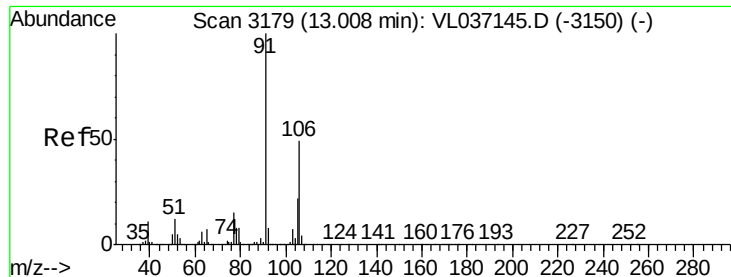
106 34.1 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.031 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

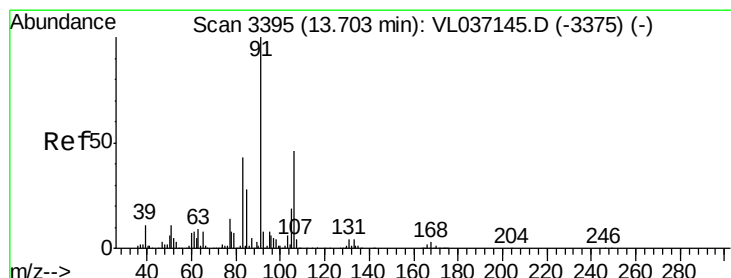
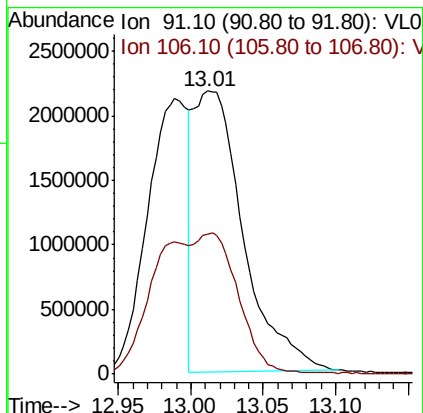
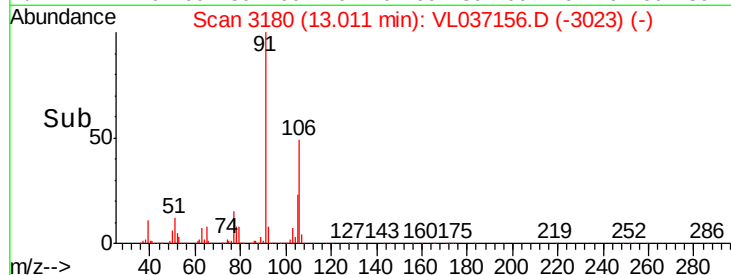
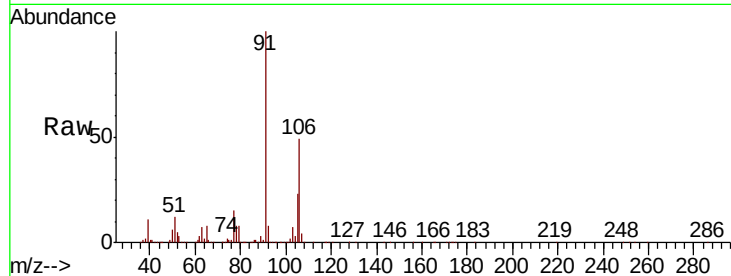
ClientSampleId :

Tot Ion: 91 Resp: 5155970

Ion Ratio Lower Upper

91 100

106 84.9 36.9 55.3#



#60

o-Xylene

Concen: 7.327 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VL037156.D

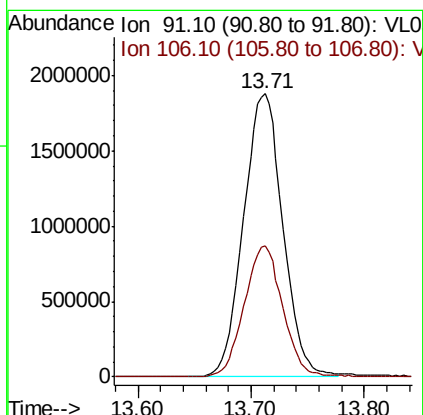
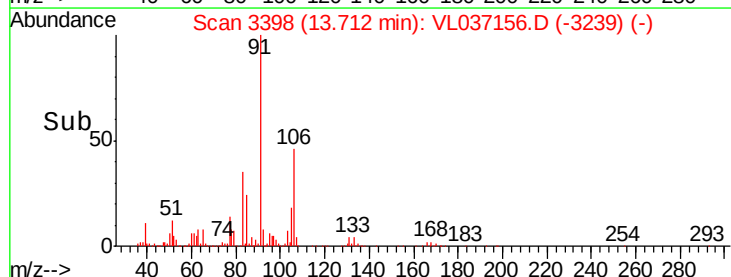
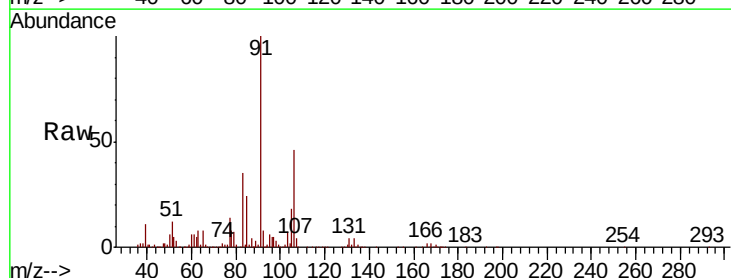
Acq: 15 Jun 2021 11:37

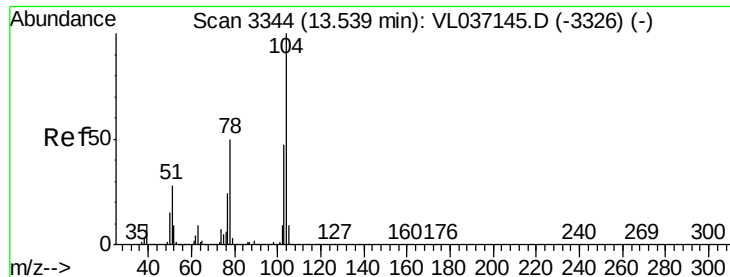
Tgt Ion: 91 Resp: 4516596

Ion Ratio Lower Upper

91 100

106 45.5 23.1 69.3





#61

Stvrene

Concen: 8.013 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

ClientSampled :

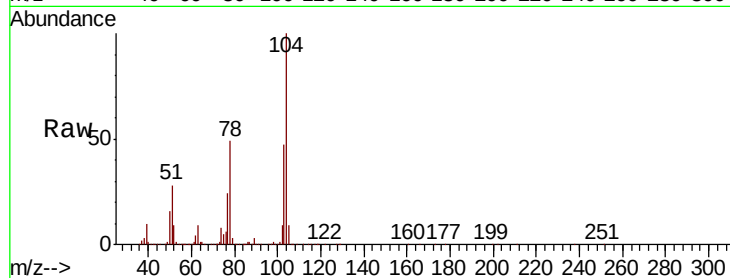
Tot Ion:104 Resp: 2603937

Ion Ratio Lower Upper

104 100

78 50.7 40.9 61.3

103 48.3 38.6 58.0



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

1500000

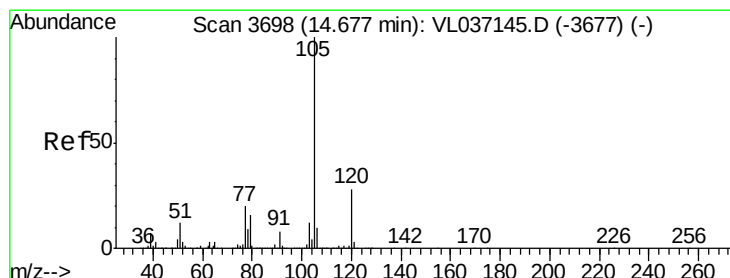
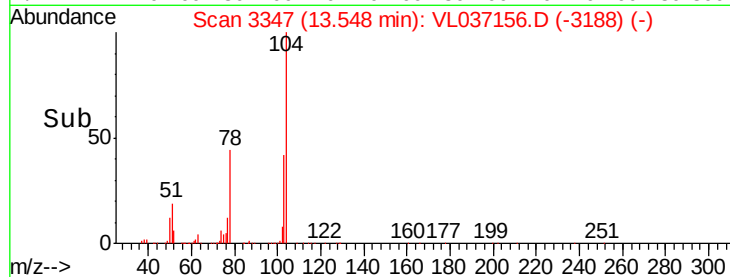
1000000

500000

0

13.55

Time-->



#62

Isopropylbenzene

Concen: 7.131 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.01 min

Lab File: VL037156.D

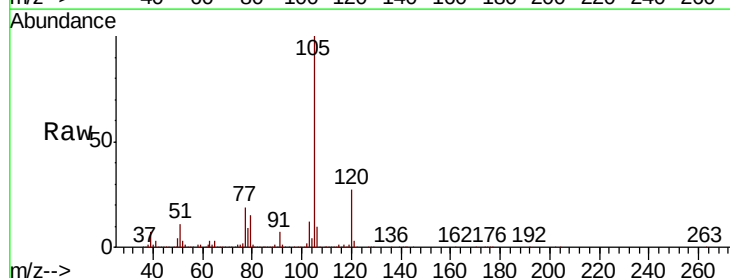
Acq: 15 Jun 2021 11:37

Tgt Ion:105 Resp: 6265433

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

3000000

2500000

2000000

1500000

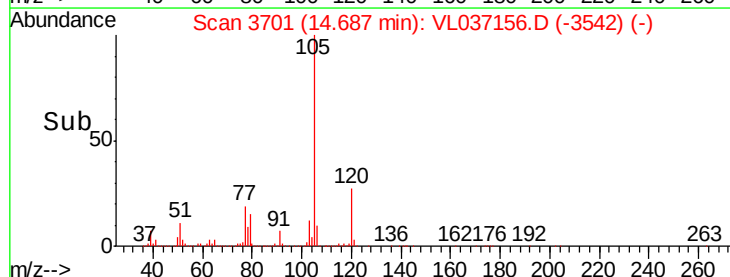
1000000

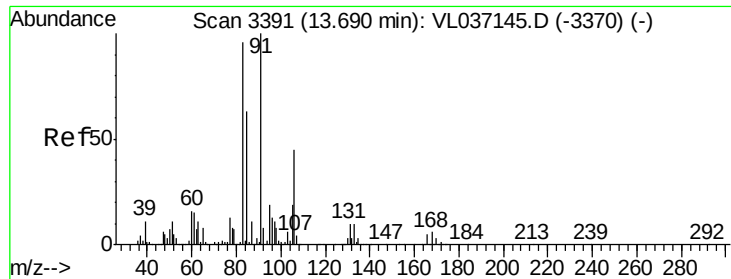
500000

0

14.69

Time-->





#63

1,1,2,2-Tetrachloroethane

Concen: 7.323 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

ClientSampleId :

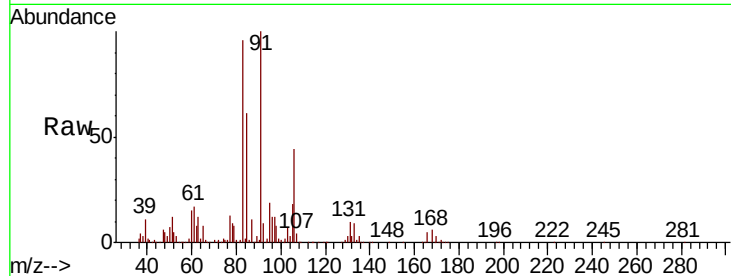
Tot Ion: 83 Resp: 2935283

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

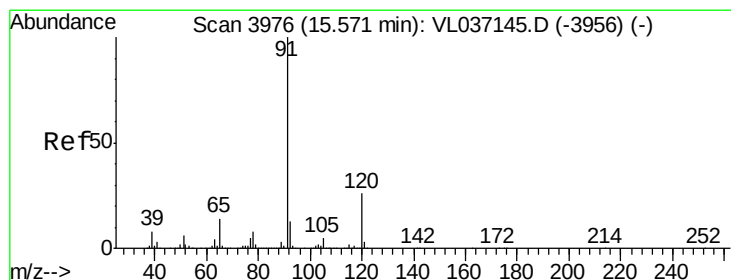
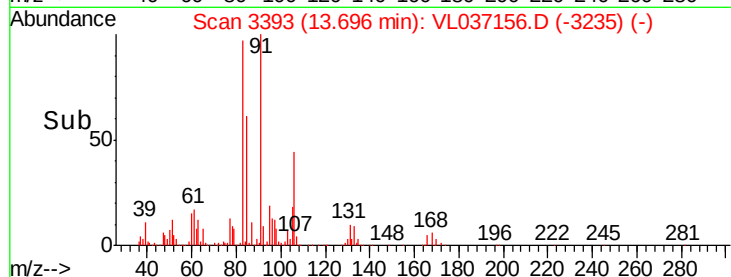
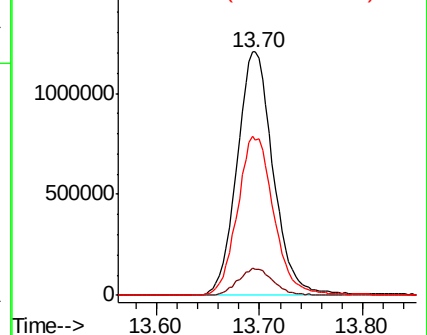
85 66.5 33.3 99.9



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: 7.445 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.01 min

Lab File: VL037156.D

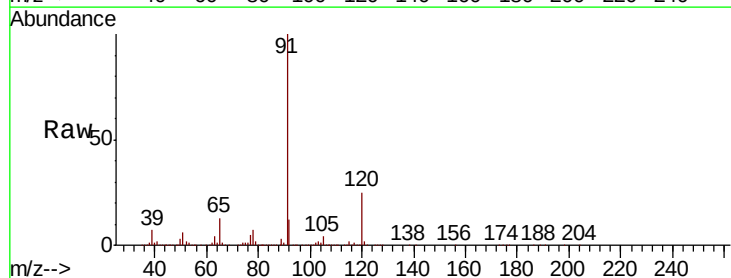
Acq: 15 Jun 2021 11:37

Tgt Ion:120 Resp: 1668374

Ion Ratio Lower Upper

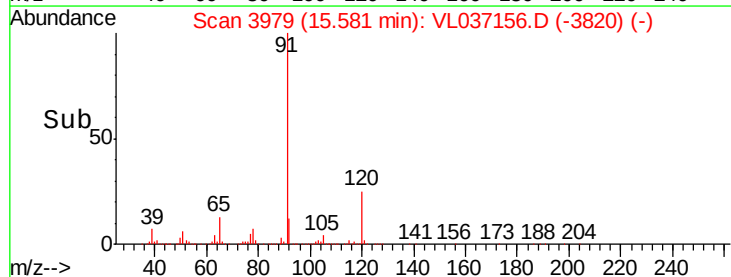
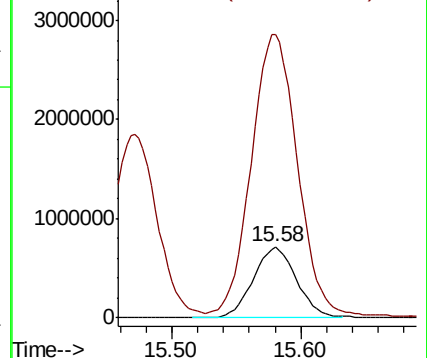
120 100

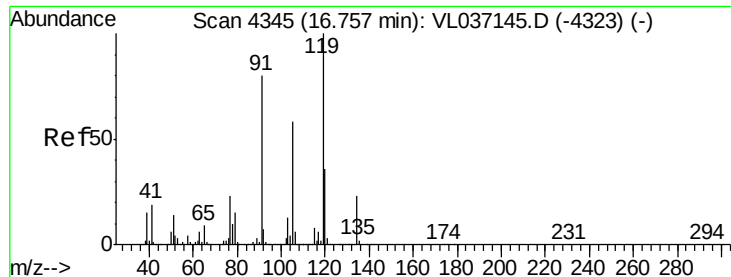
91 433.6 342.2 513.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.066 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

ClientSampled :

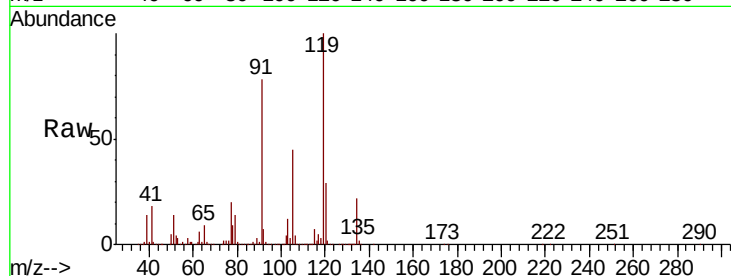
Tot Ion:119 Resp: 5626438

Ion Ratio Lower Upper

119 100

91 78.3 62.8 94.2

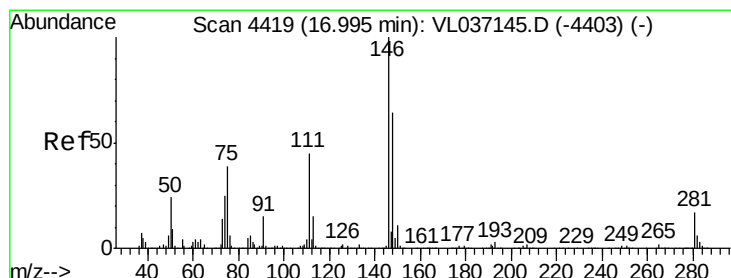
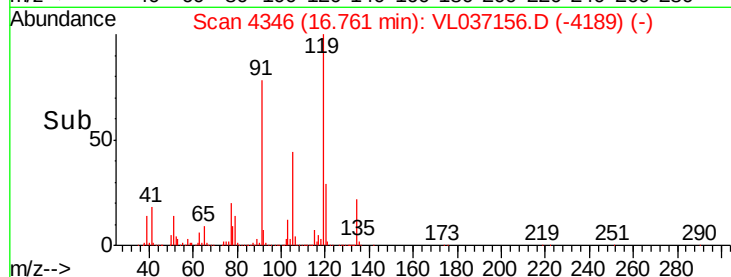
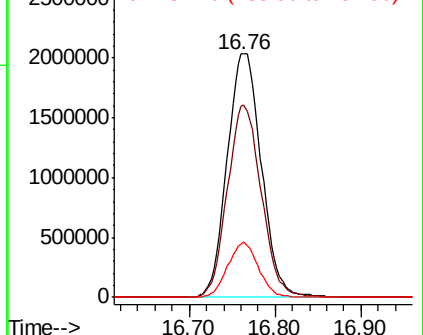
134 20.3 16.5 24.7



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 6.191 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

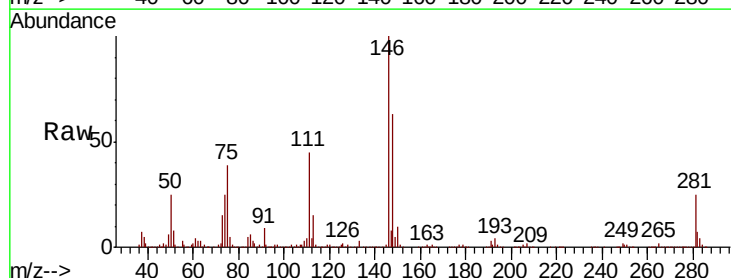
Tgt Ion: 91 Resp: 215199

Ion Ratio Lower Upper

91 100

126 21.2 16.4 24.6

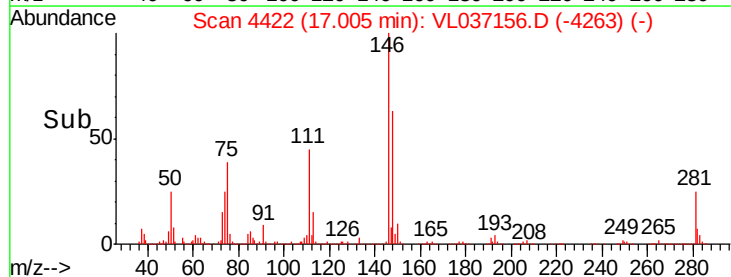
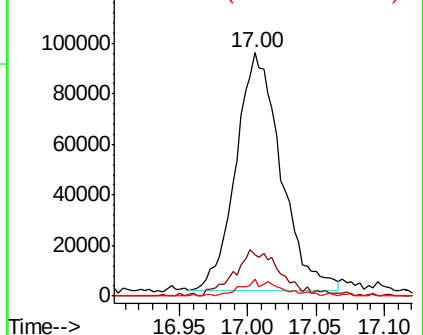
128 6.8 5.7 8.5

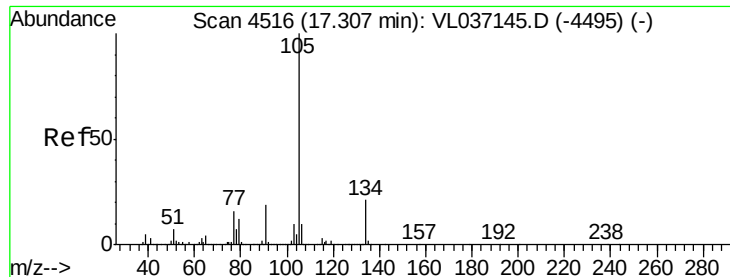


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.991 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

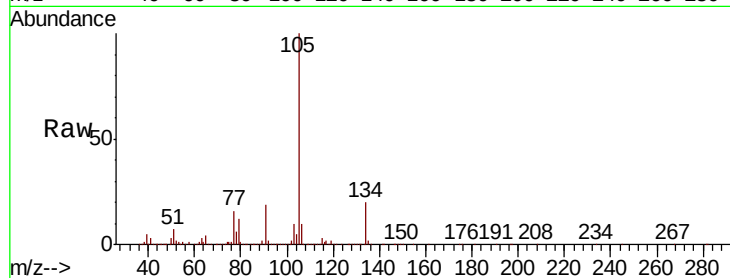
ClientSampleId :

Tot Ion:105 Resp: 7396767

Ion Ratio Lower Upper

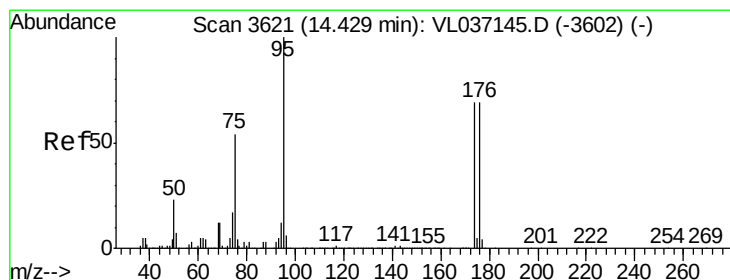
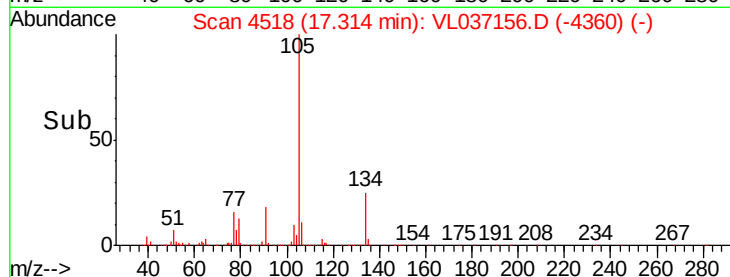
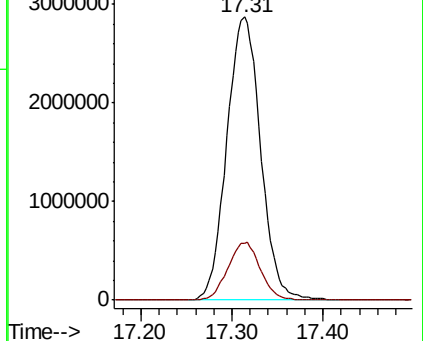
105 100

134 19.7 16.0 24.0



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: 8.566 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

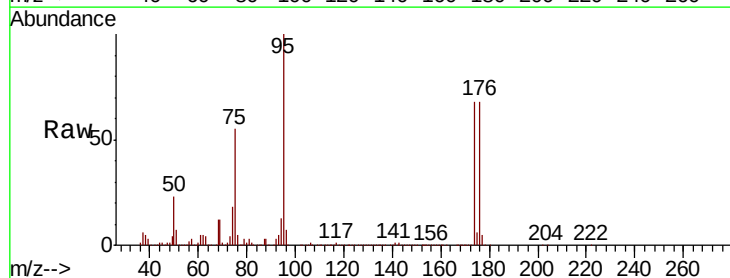
Tgt Ion: 95 Resp: 3519078

Ion Ratio Lower Upper

95 100

174 71.9 57.6 86.4

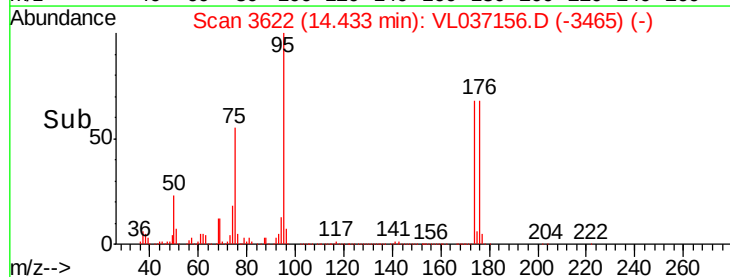
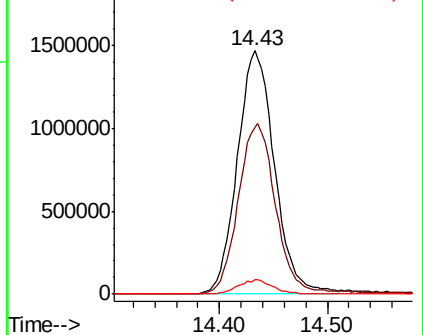
175 5.6 4.4 6.6

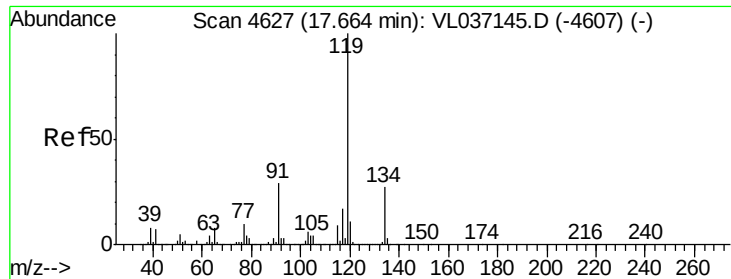


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

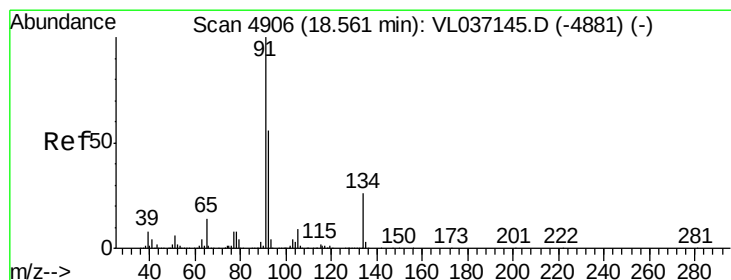
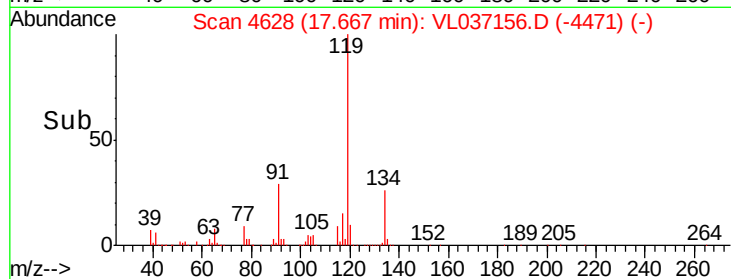
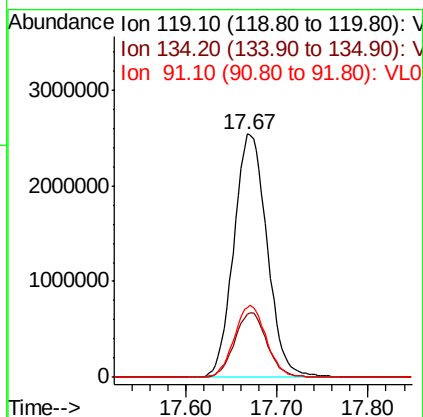
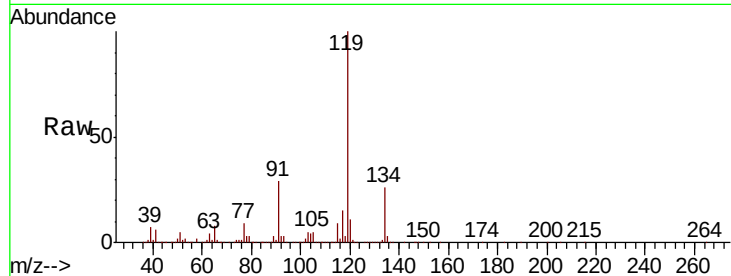




#69
 p-Isopropyltoluene
 Concen: 7.300 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.00 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

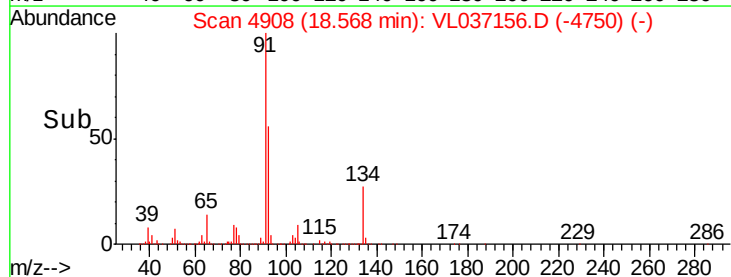
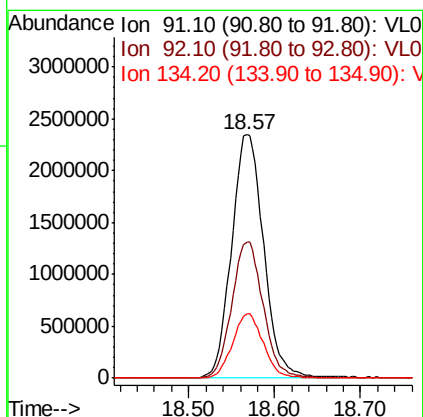
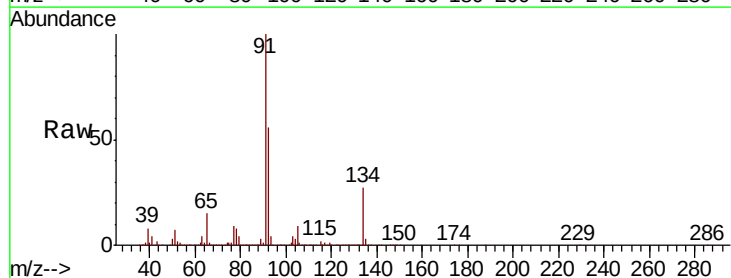
Instrument :
 MSVOA_L
 ClientSampleId :

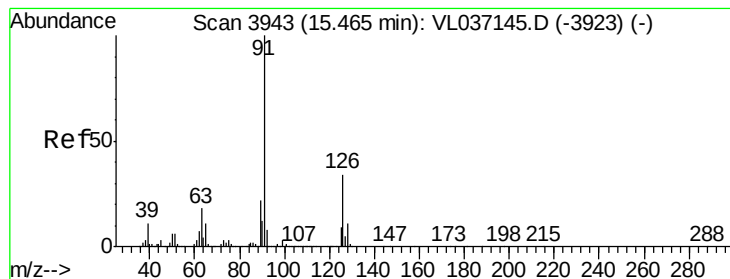
Tot Ion:119 Resp: 6456910
 Ion Ratio Lower Upper
 119 100
 134 26.0 21.2 31.8
 91 28.4 22.9 34.3



#70
 n-Butylbenzene
 Concen: 7.498 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Tgt Ion: 91 Resp: 6067564
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.0 66.0
 134 25.5 20.4 30.6





#71

2-Chlorotoluene

Concen: 7.162 ppbv

RT: 15.47 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Instrument :

MSVOA_L

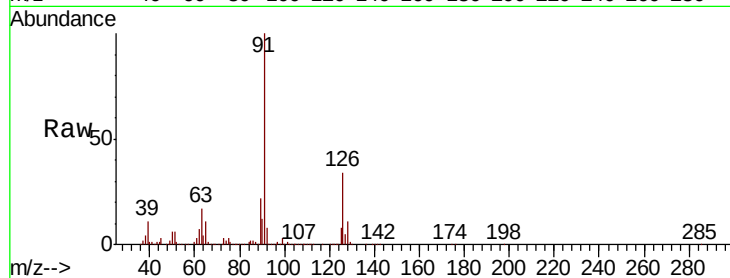
ClientSampleId :

Tot Ion: 91 Resp: 4488980

Ion Ratio Lower Upper

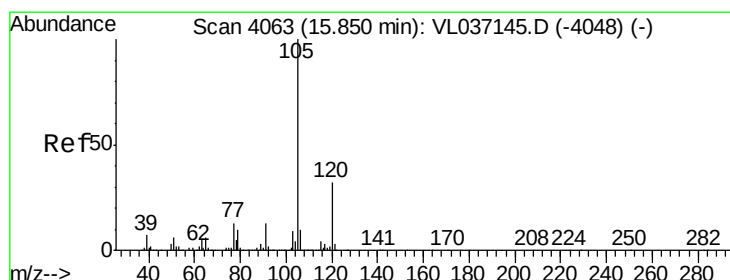
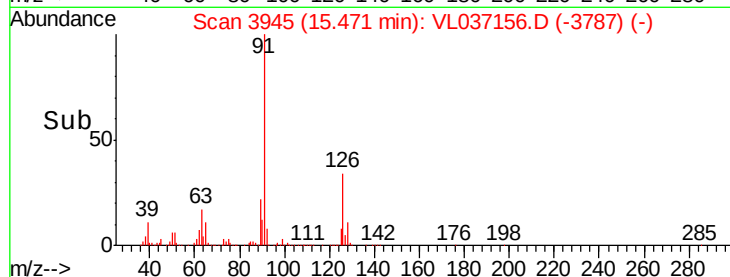
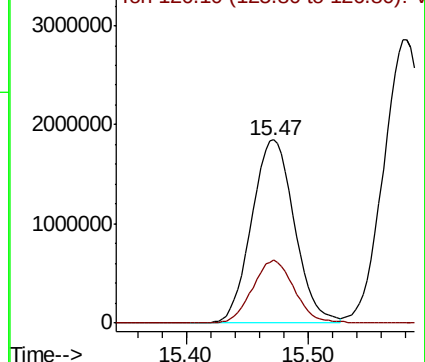
91 100

126 34.0 13.4 53.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.566 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL037156.D

Acq: 15 Jun 2021 11:37

Tgt Ion: 105 Resp: 5417905

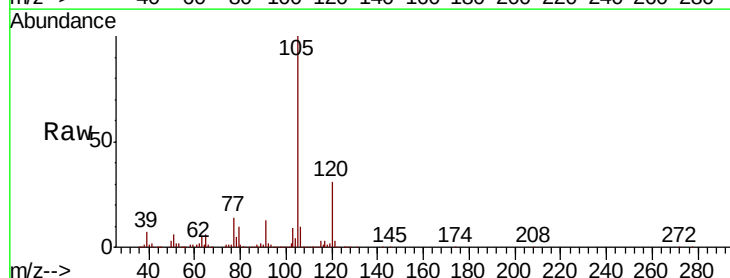
Ion Ratio Lower Upper

105 100

120 30.4 25.1 37.7

91 13.0 10.3 15.5

77 13.5 11.0 16.6

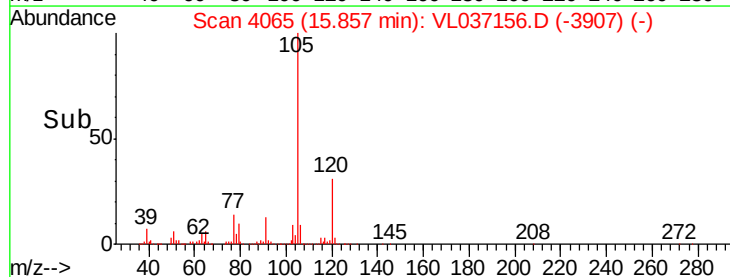
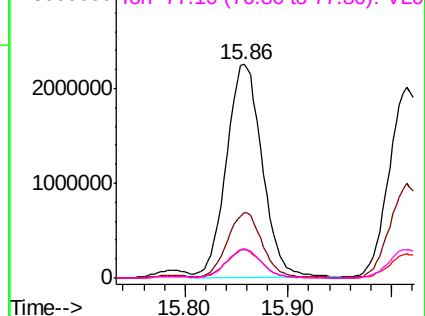


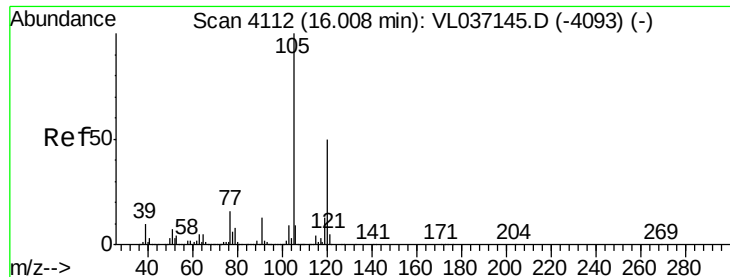
Abundance Ion 105.10 (104.80 to 105.80): V

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

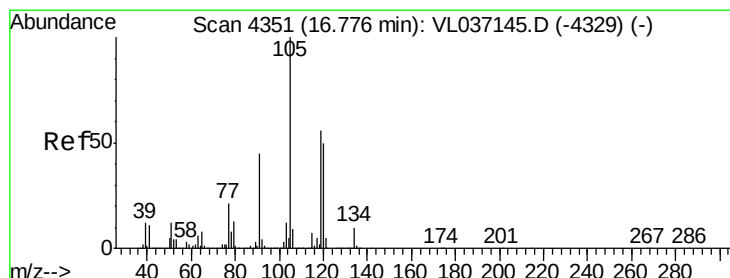
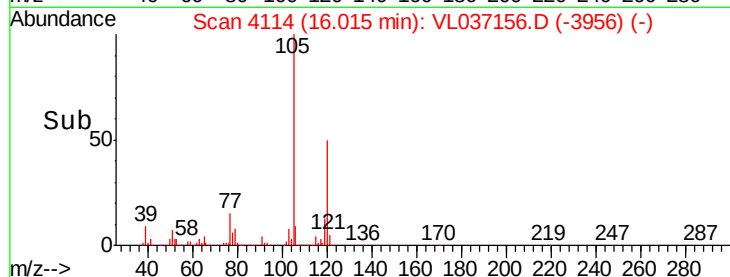
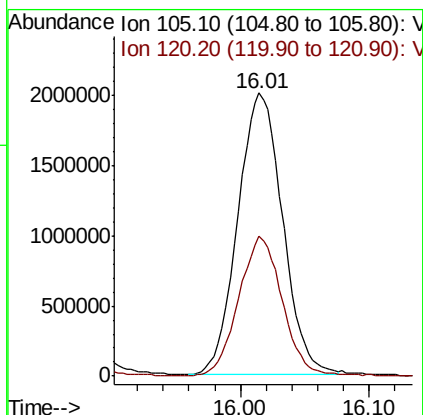
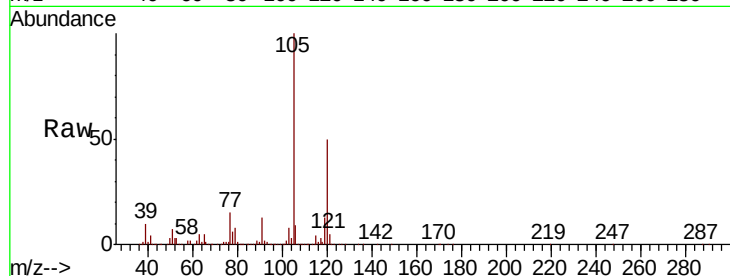




#73
 1,3,5-Trimethylbenzene
 Concen: 7.126 ppbv
 RT: 16.01 min Scan# 4114
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

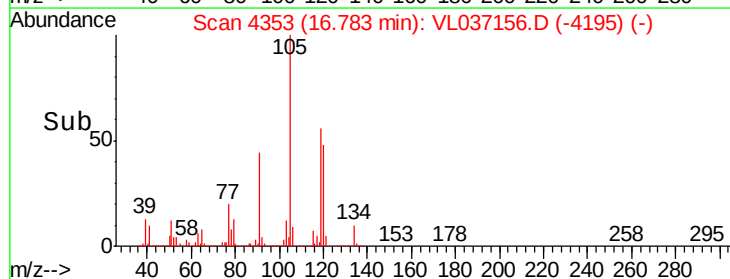
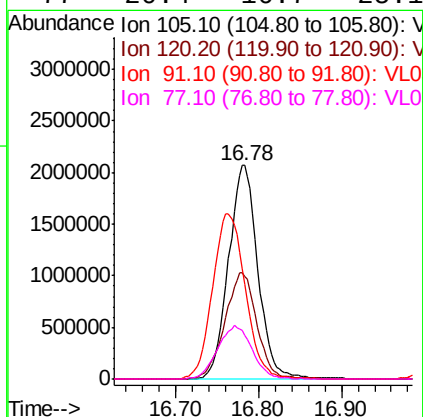
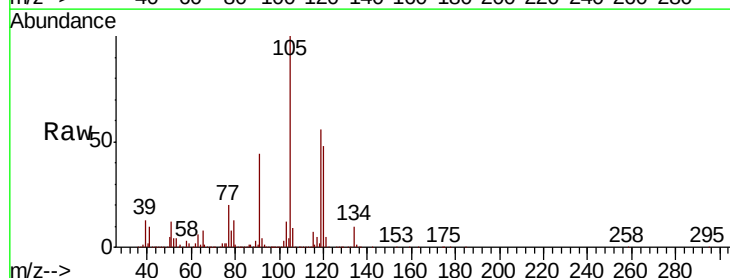
Instrument :
 MSVOA_L
 ClientSampled :

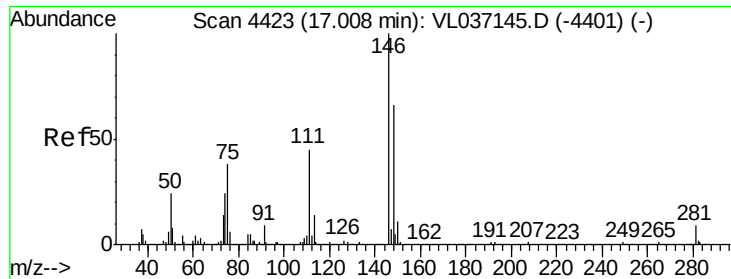
Tot Ion:105 Resp: 4840067
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.7 59.5



#74
 1,2,4-Trimethylbenzene
 Concen: 7.347 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Tgt Ion:105 Resp: 5077239
 Ion Ratio Lower Upper
 105 100
 120 47.9 39.7 59.5
 91 44.3 35.8 53.8
 77 20.4 16.7 25.1

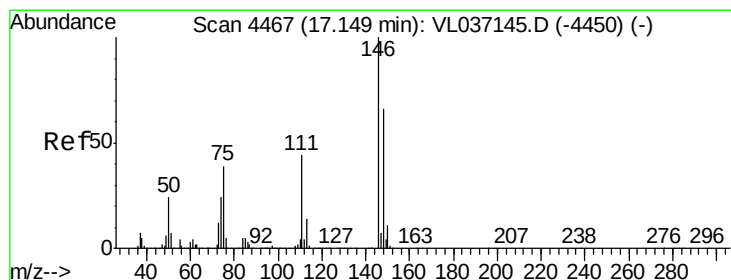
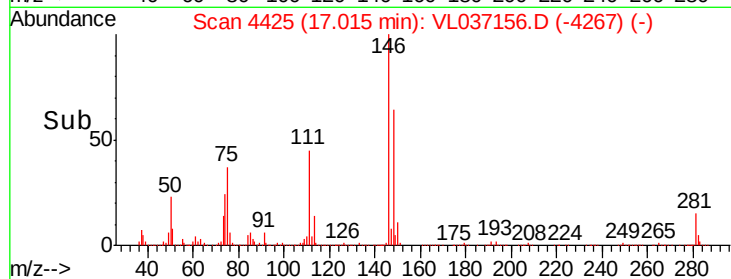
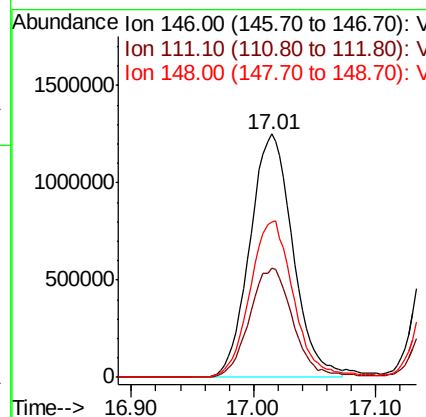
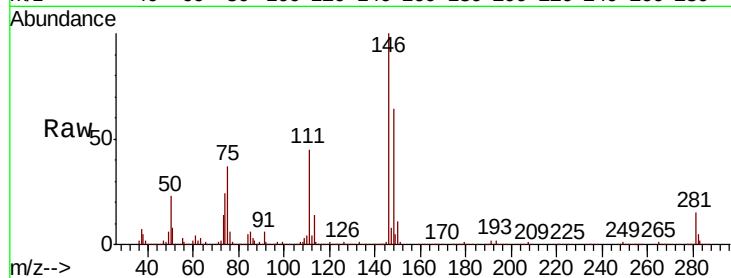




#75
 1,3-Dichlorobenzene
 Concen: 7.152 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

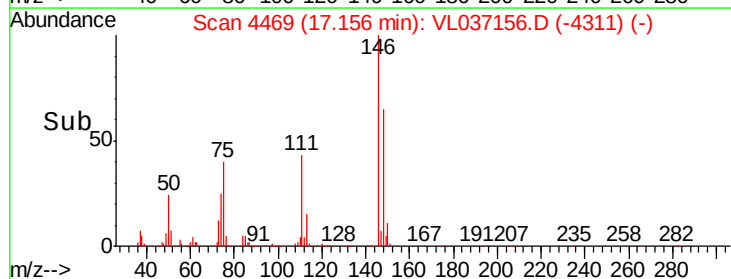
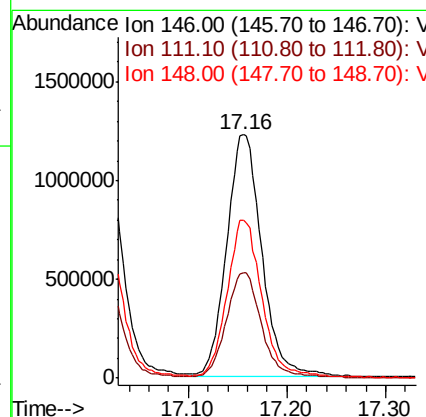
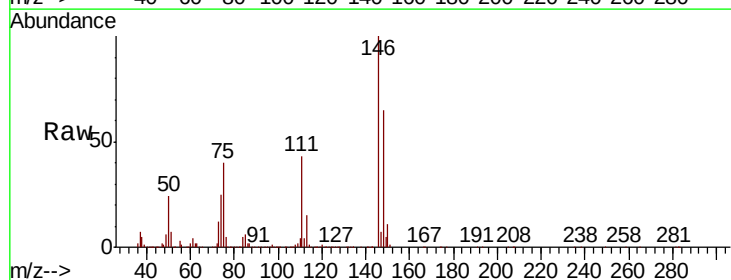
Instrument :
 MSVOA_L
 ClientSampleId :

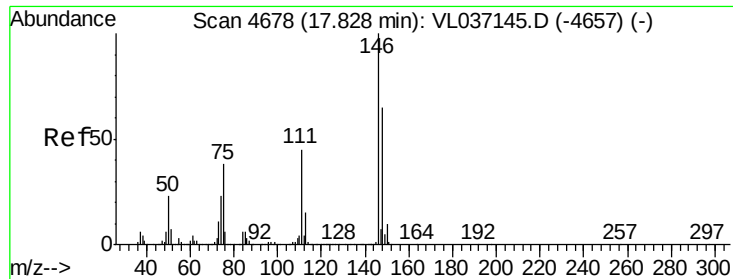
Tot Ion:146 Resp: 3043116
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.4 67.2
 148 65.3 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 7.220 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Tgt Ion:146 Resp: 3051435
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.9 65.5
 148 65.1 32.4 97.0

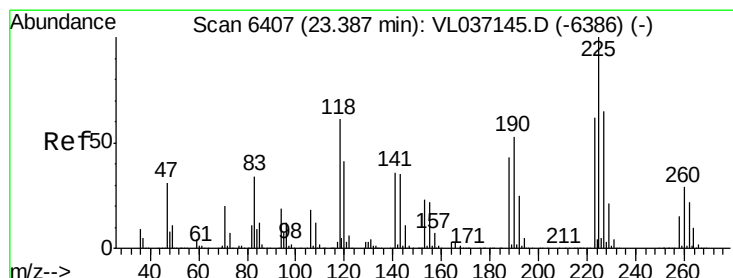
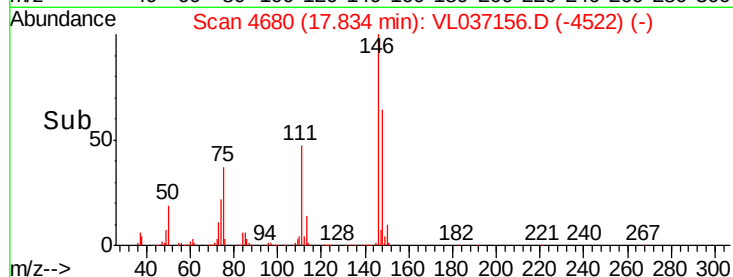
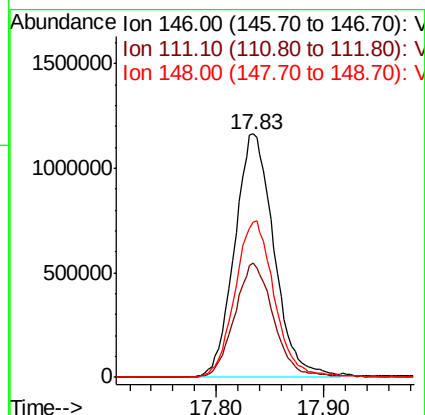
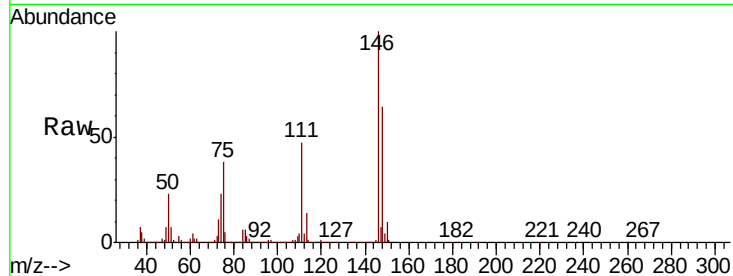




#77
 1,2-Dichlorobenzene
 Concen: 6.994 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

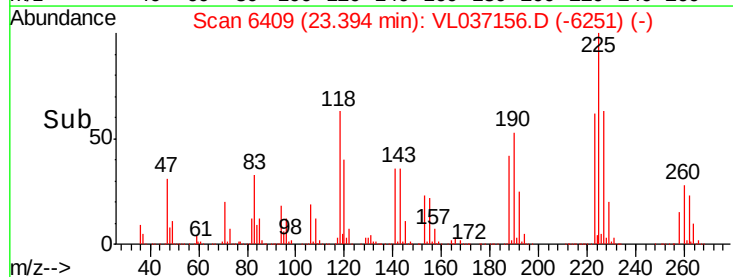
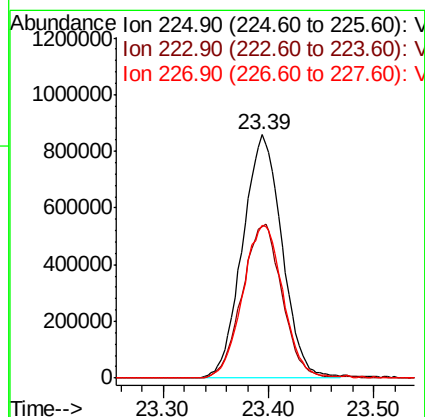
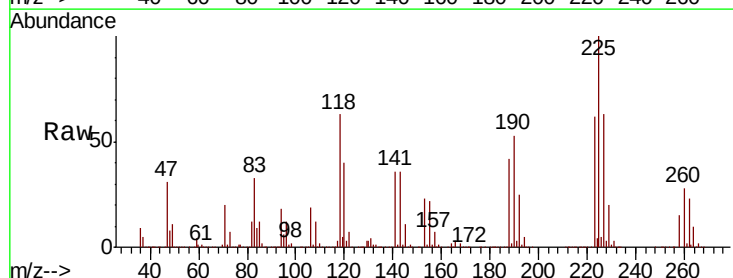
Instrument :
 MSVOA_L
 ClientSampleId :

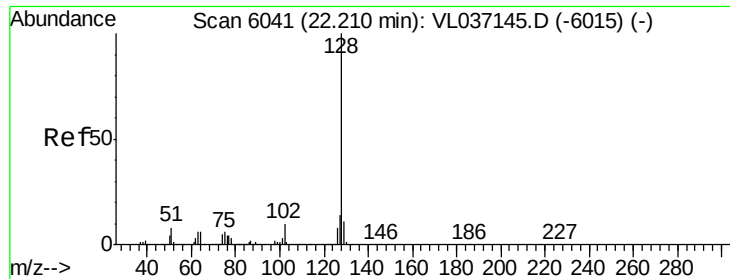
Tot Ion:146 Resp: 2934554
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.1 69.3
 148 64.8 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.525 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Tgt Ion:225 Resp: 2238179
 Ion Ratio Lower Upper
 225 100
 223 64.3 52.2 78.2
 227 64.9 51.5 77.3

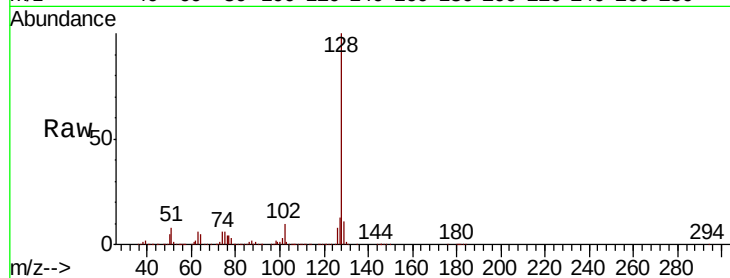




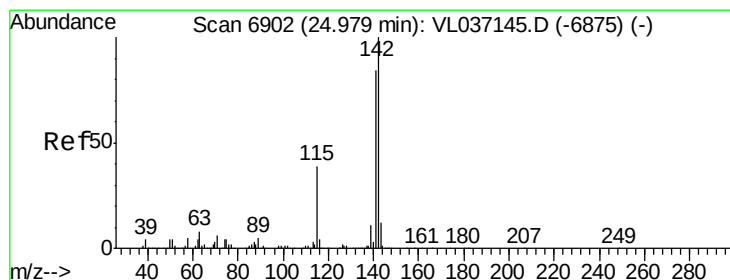
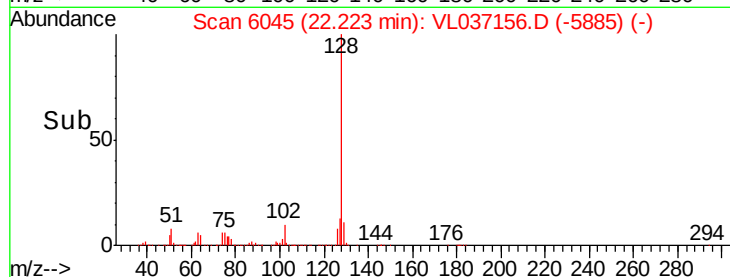
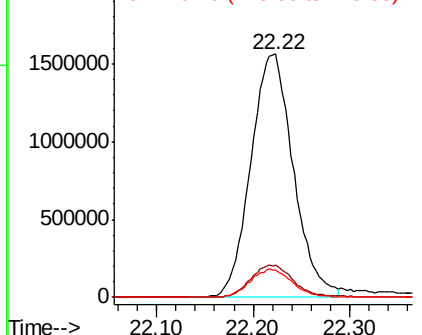
#79
Naphthalene
Concen: 11.453 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:128 Resp: 4764209
Ion Ratio Lower Upper
128 100
127 13.1 10.9 16.3
129 11.5 9.0 13.4

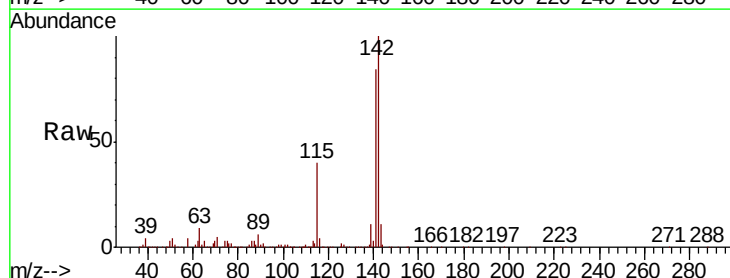


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

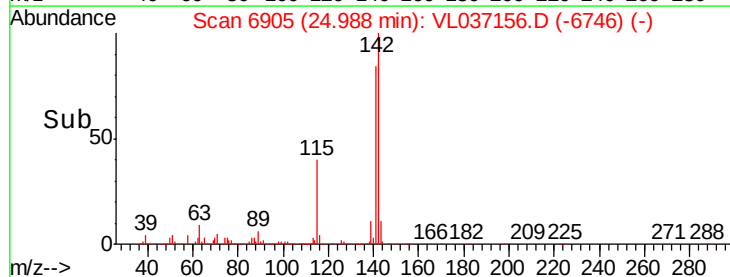
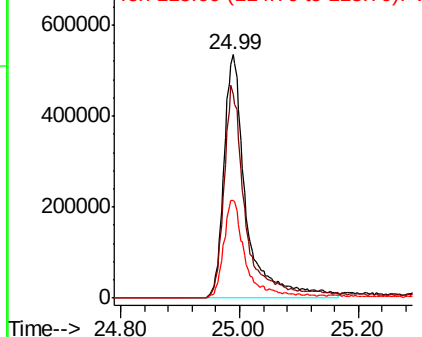


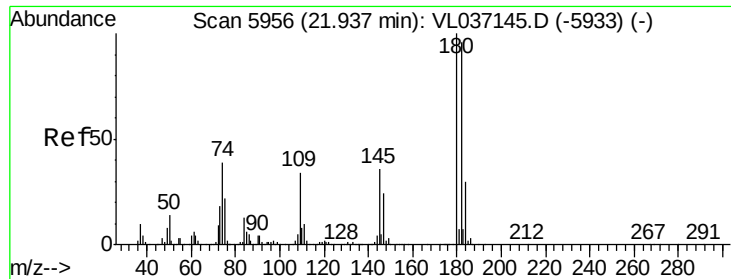
#80
Naphthalene, 2-methyl-
Concen: 13.881 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL037156.D
Acq: 15 Jun 2021 11:37

Tgt Ion:142 Resp: 1396976
Ion Ratio Lower Upper
142 100
141 86.7 66.7 100.1
115 40.1 32.2 48.2



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: 9.523 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.01 min
 Lab File: VL037156.D
 Acq: 15 Jun 2021 11:37

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2519831
 Ion Ratio Lower Upper
 180 100
 182 100.9 79.8 119.6
 184 31.8 25.1 37.7

