

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052521\
 Data File : VL037062.D
 Acq On : 25 May 2021 15:54
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 26 01:12:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1395771	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4184448	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4932840	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3088598	8.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2292723	9.683	ppbv	99
3) Chlorodifluoromethane	2.97	51	2506728	9.803	ppbv	96
4) Chloromethane	3.12	50	831554	9.557	ppbv	99
5) Vinyl Chloride	3.24	62	903586	9.500	ppbv	99
6) Bromomethane	3.46	94	504175	10.060	ppbv	98
7) Chloroethane	3.54	64	307915	9.970	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2280858	10.259	ppbv	98
9) Propene	2.99	41	805679	8.799	ppbv	100
10) Heptane	8.10	43	2030734	8.899	ppbv	100
11) Trichlorofluoromethane	3.93	101	2251015	10.271	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1582822	10.139	ppbv	99
13) Ethanol	3.59	45	30316	2.481	ppbv #	1
14) Bromoethene	3.72	108	672873	9.785	ppbv	98
15) Acetone	3.83	43	1119856	7.833	ppbv	97
16) 1,3-Butadiene	3.31	39	876997	9.874	ppbv	97
17) tert-Butyl alcohol	4.27	59	1318859	10.071	ppbv	98
18) 1,1-Dichloroethene	4.27	96	721628	9.996	ppbv	97
19) Isopropyl Alcohol	3.95	45	793832	10.330	ppbv #	33
20) Methylene Chloride	4.33	84	597316	7.794	ppbv	99
21) Allyl Chloride	4.39	41	1039252	9.636	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	720916	10.420	ppbv	99
23) Vinyl Acetate	5.06	43	1651840	7.279	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	1432401	8.770	ppbv	98
25) Ethyl Acetate	5.66	43	3180383	9.258	ppbv	100
26) Hexane	5.67	57	1528169	8.708	ppbv	97
27) Carbon Disulfide	4.53	76	1688697	9.547	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1515786	7.205	ppbv	100
29) Chloroform	5.74	83	2528568	10.198	ppbv	100
30) Cyclohexane	7.11	84	1388970	9.313	ppbv	96
31) cis-1,2-Dichloroethene	5.53	61	1546993	9.832	ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	2630618	9.881	ppbv	99
34) 2-Butanone	5.23	43	1457093	9.563	ppbv	99
35) Carbon Tetrachloride	7.00	117	2836728	10.203	ppbv	99
36) Benzene	6.87	78	3253317	9.026	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1930015	10.801	ppbv	99
38) Trichloroethene	7.82	130	1450807	9.409	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1241641	8.943	ppbv	97
40) 1,4-Dioxane	7.82	88	351021	10.707	ppbv #	100
41) Tetrahydrofuran	6.03	42	751183	8.656	ppbv	99
42) Bromodichloromethane	7.77	83	2730602	10.101	ppbv	99
43) Methyl Methacrylate	8.00	69	1190297	9.582	ppbv	99

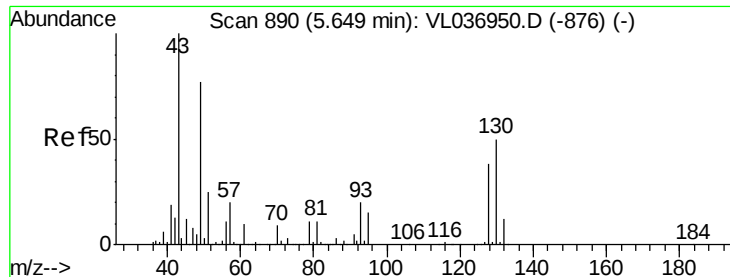
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5265590	8.515	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1098653	11.576	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1438296	11.267	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1398695	9.625	ppbv	97
48) Dibromochloromethane	10.29	129	2549008	10.833	ppbv	100
49) Bromoform	13.03	173	2111100	10.864	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2294760	9.127	ppbv	98
51) 2-Hexanone	10.12	43	1198010	9.013	ppbv #	94
52) Tetrachloroethene	11.21	164	1360881	9.495	ppbv	96
53) Toluene	9.79	91	3940204	9.187	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2115942	10.242	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1715351	8.264	ppbv #	56
57) Chlorobenzene	12.13	112	3035321	7.936	ppbv	99
58) Ethyl Benzene	12.70	91	5268324	7.567	ppbv	98
59) m/p-Xylene	12.98	91	4794802	8.332	ppbv #	42
60) o-Xylene	13.68	91	4243793	7.732	ppbv	99
61) Styrene	13.52	104	2516974	8.140	ppbv	99
62) Isopropylbenzene	14.65	105	5957160	7.552	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2868965	6.999	ppbv	99
64) n-propylbenzene	15.55	120	1590590	7.815	ppbv	98
65) tert-Butylbenzene	16.73	119	5397440	7.583	ppbv	99
66) Benzyl Chloride	16.97	91	217868	5.517	ppbv	96
67) sec-Butylbenzene	17.28	105	7174642	7.389	ppbv	99
69) p-Isopropyltoluene	17.64	119	6236154	7.470	ppbv	99
70) n-Butylbenzene	18.54	91	5879486	7.413	ppbv	99
71) 2-Chlorotoluene	15.44	91	4367983	7.667	ppbv	98
72) 4-Ethyltoluene	15.83	105	5214022	8.004	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4691044	7.668	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	4880963	7.717	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	3021901	7.824	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2951099	7.557	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2902349	7.499	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1864086	5.990	ppbv	100
79) Naphthalene	22.18	128	3673162	7.401	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1155360	10.706	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	2140951	7.077	ppbv	96

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

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ClientSampleId :

VSTDCCC010EC

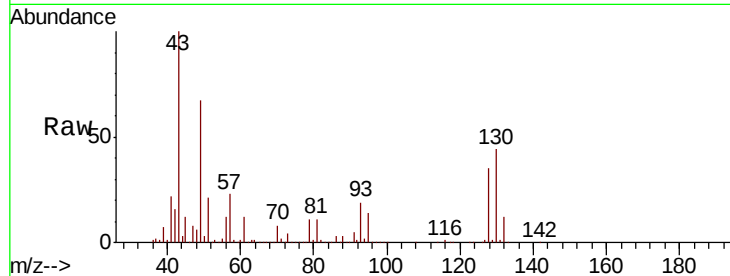
Tot Ion: 49 Resp: 1395771

Ion Ratio Lower Upper

49 100

128 58.7 26.9 80.7

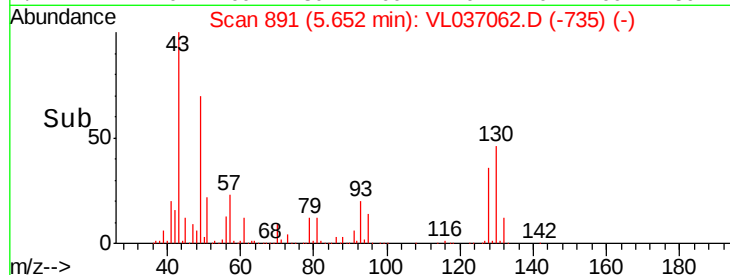
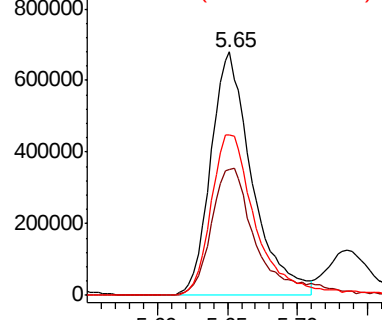
130 72.8 33.8 101.4



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: 9.683 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL037062.D

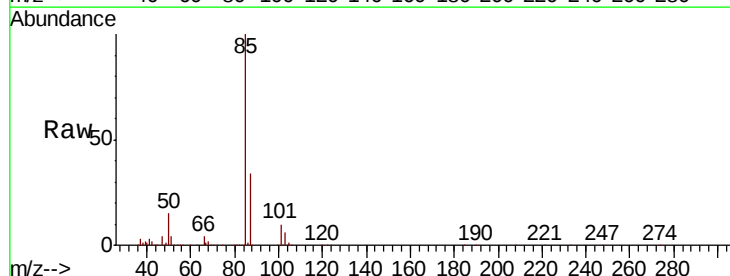
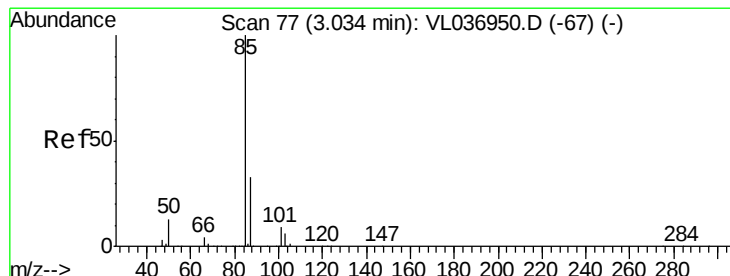
Acq: 25 May 2021 15:54

Tgt Ion: 85 Resp: 2292723

Ion Ratio Lower Upper

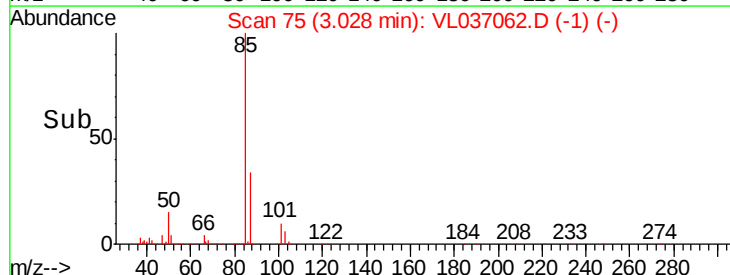
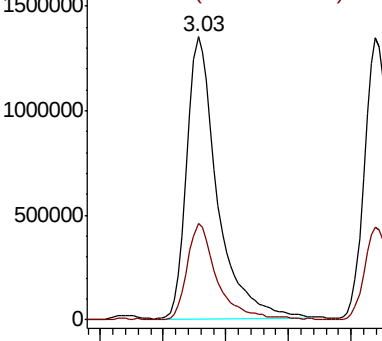
85 100

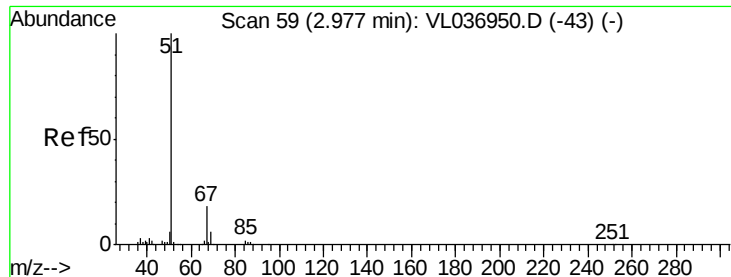
87 33.9 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.803 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

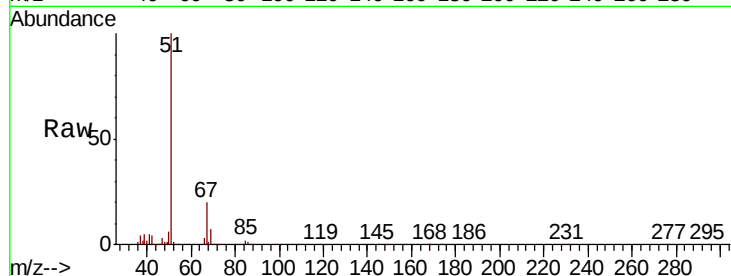
VSTDCCC010EC

Tot Ion: 51 Resp: 2506728

Ion Ratio Lower Upper

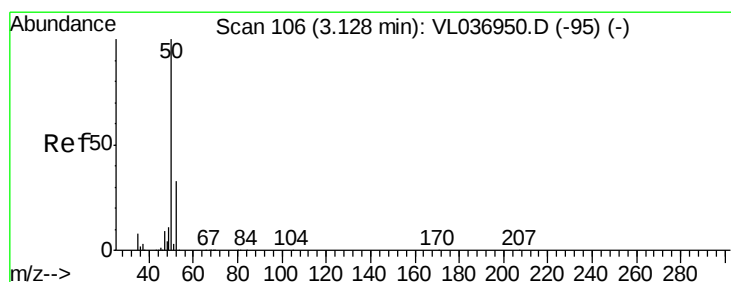
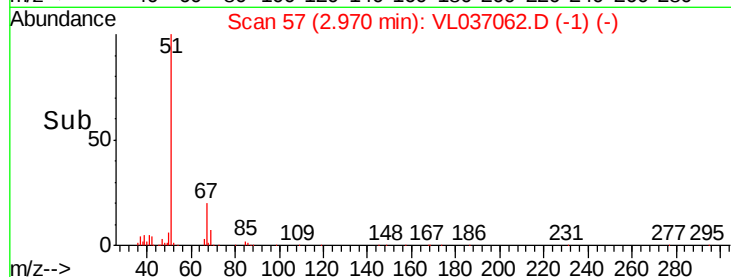
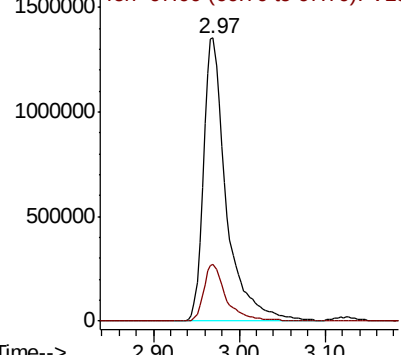
51 100

67 19.9 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.557 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037062.D

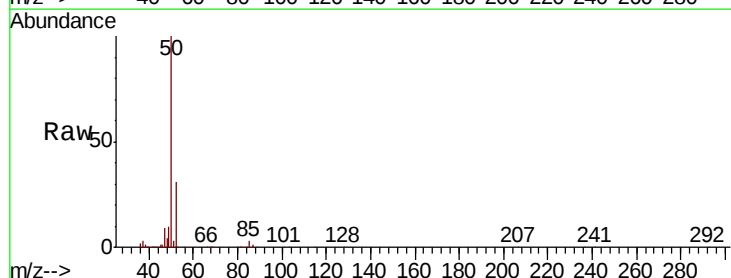
Acq: 25 May 2021 15:54

Tgt Ion: 50 Resp: 831554

Ion Ratio Lower Upper

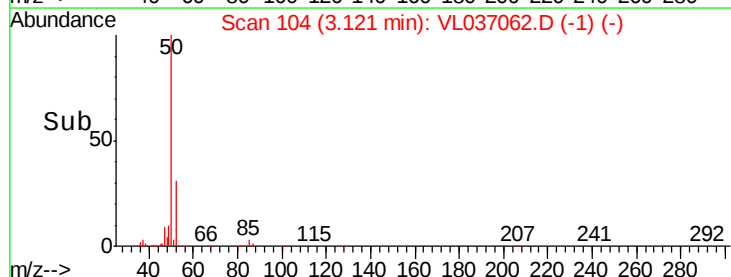
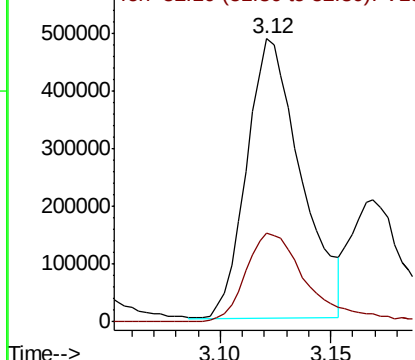
50 100

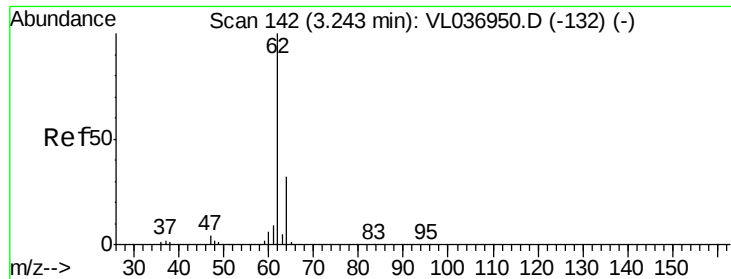
52 31.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.500 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

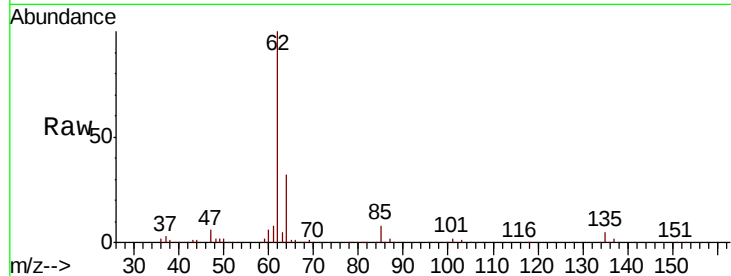
VSTDCCC010EC

Tot Ion: 62 Resp: 903586

Ion Ratio Lower Upper

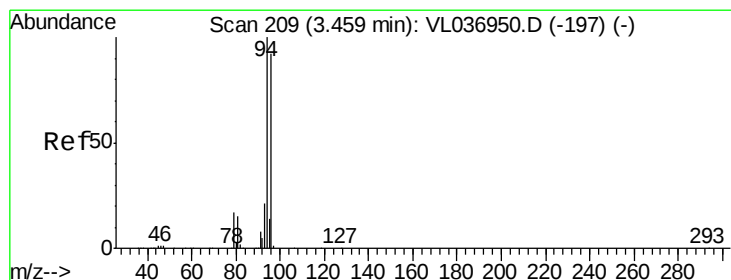
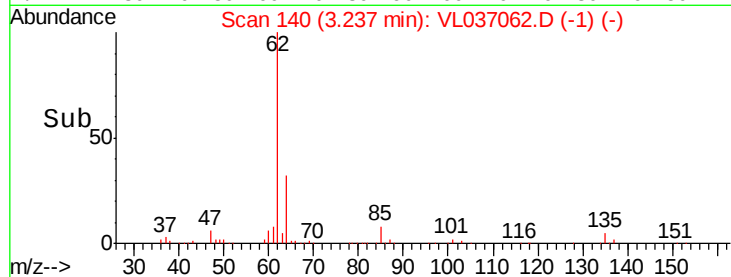
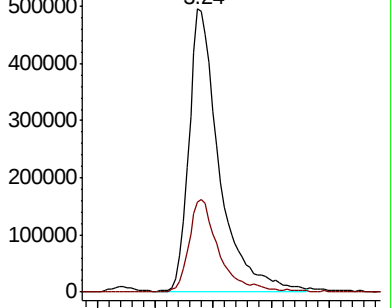
62 100

64 31.7 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.060 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037062.D

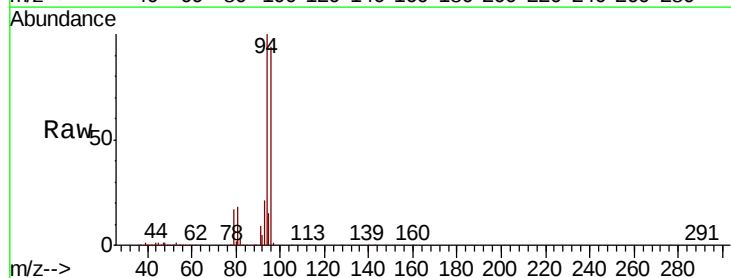
Acq: 25 May 2021 15:54

Tgt Ion: 94 Resp: 504175

Ion Ratio Lower Upper

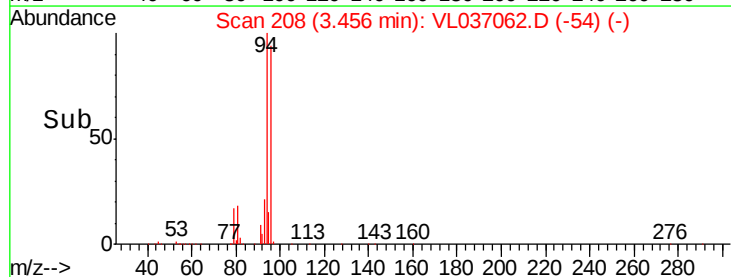
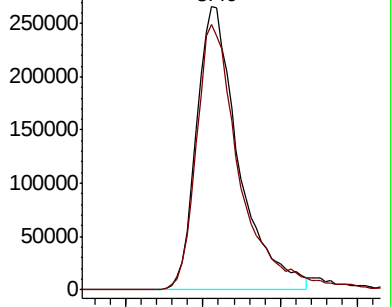
94 100

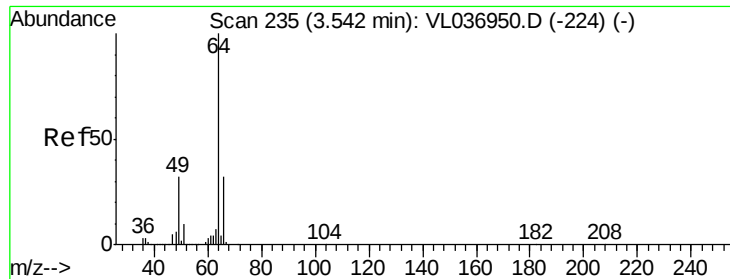
96 94.0 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.970 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

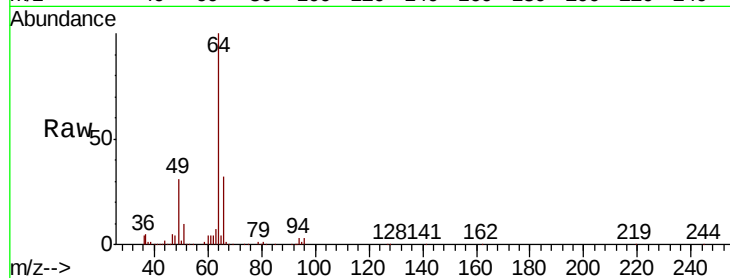
VSTDCCC010EC

Tot Ion: 64 Resp: 307915

Ion Ratio Lower Upper

64 100

66 32.3 25.4 38.2



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

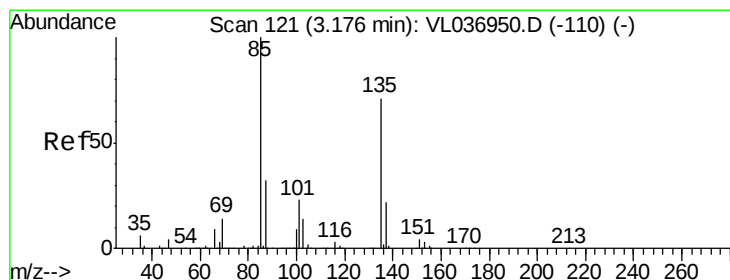
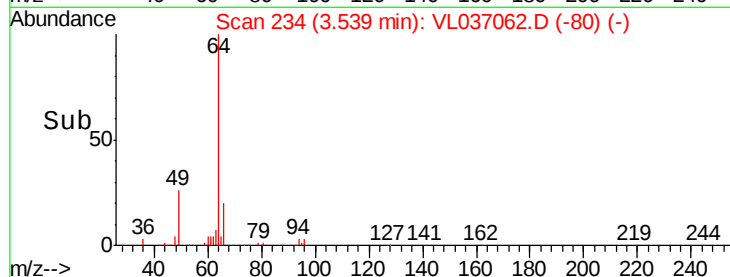
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Time-->

3.50

3.55

3.60



#8

Dichlorotetrafluoroethane

Concen: 10.259 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037062.D

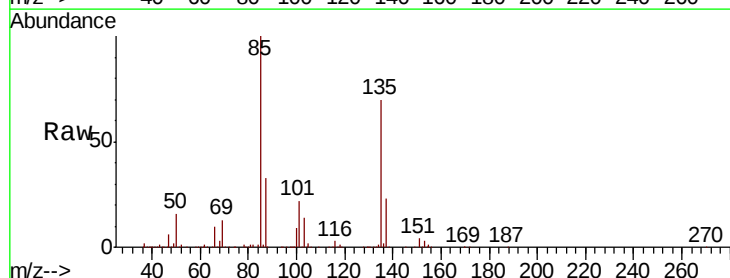
Acq: 25 May 2021 15:54

Tgt Ion: 85 Resp: 2280858

Ion Ratio Lower Upper

85 100

135 73.7 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1500000

1000000

500000

0

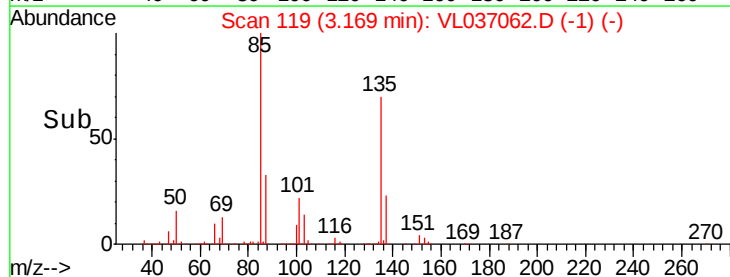
Time-->

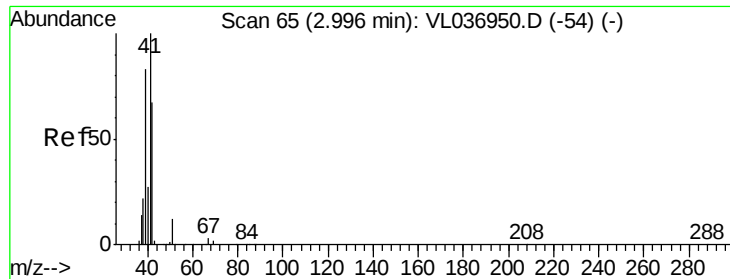
3.10

3.15

3.20

3.25





#9

Propene

Concen: 8.799 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

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ClientSampleId :

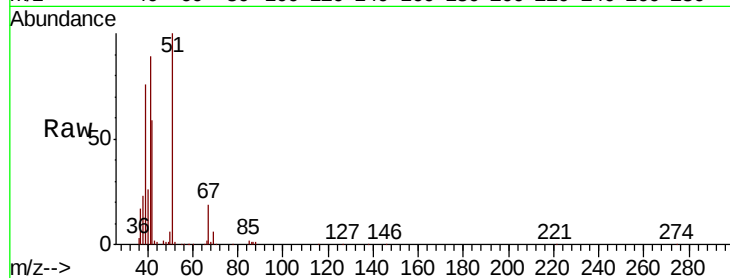
VSTDCCC010EC

Tot Ion: 41 Resp: 805679

Ion Ratio Lower Upper

41 100

42 67.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

400000

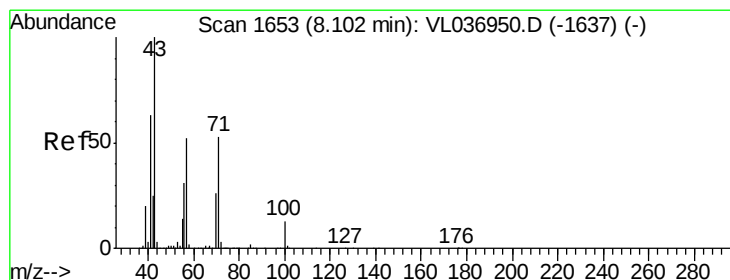
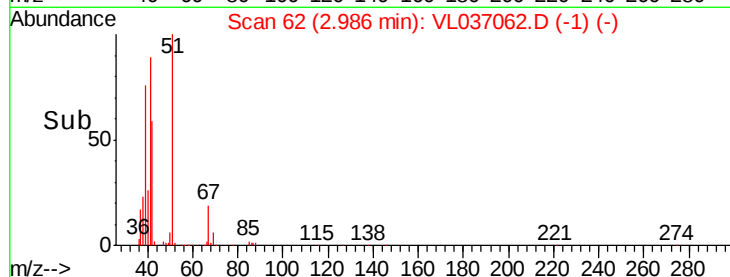
300000

200000

100000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#10

Heptane

Concen: 8.899 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037062.D

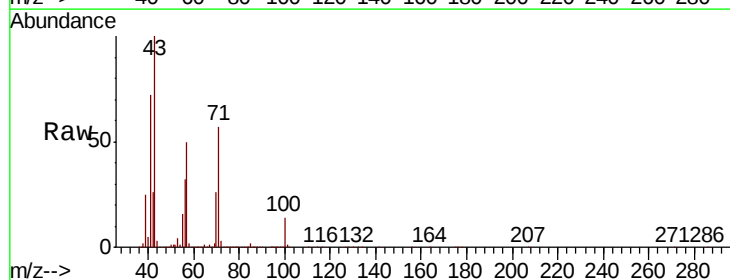
Acq: 25 May 2021 15:54

Tgt Ion: 43 Resp: 2030734

Ion Ratio Lower Upper

43 100

57 51.4 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

1000000

800000

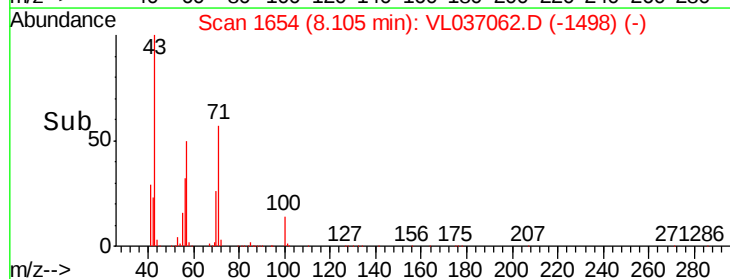
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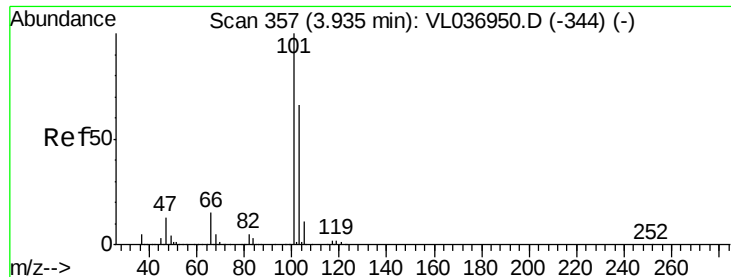
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200000

0

Time--> 8.00 8.05 8.10 8.15 8.20

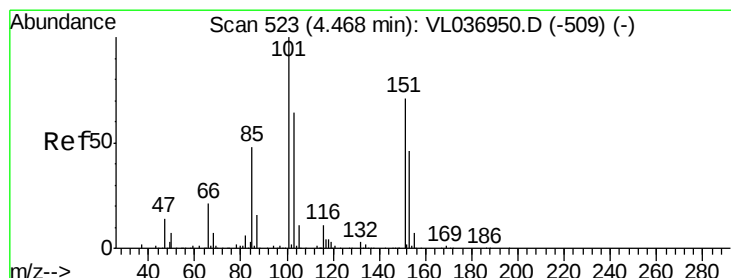
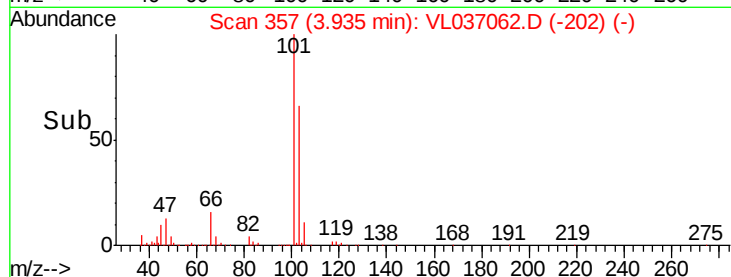
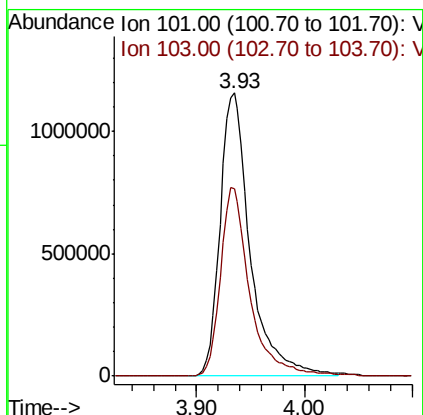
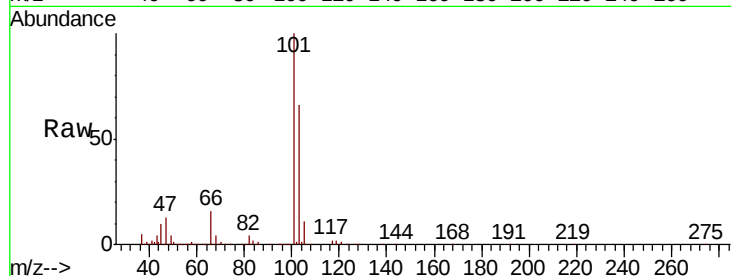




#11
 Trichlorofluoromethane
 Concen: 10.271 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

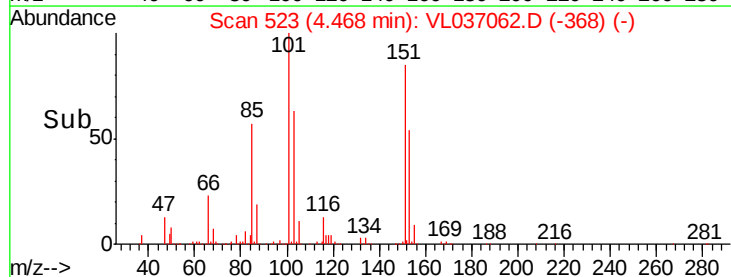
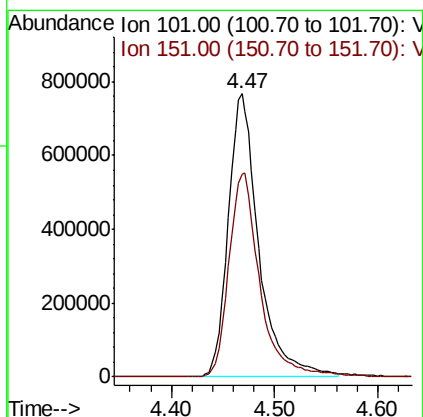
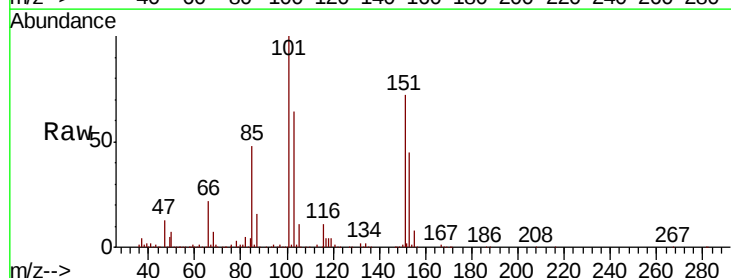
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

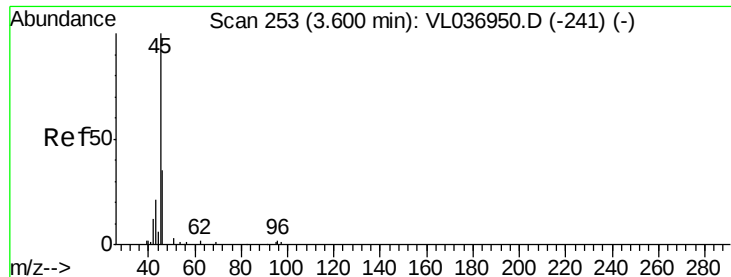
Tot Ion:101 Resp: 2251015
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.139 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion:101 Resp: 1582822
 Ion Ratio Lower Upper
 101 100
 151 73.3 57.7 86.5

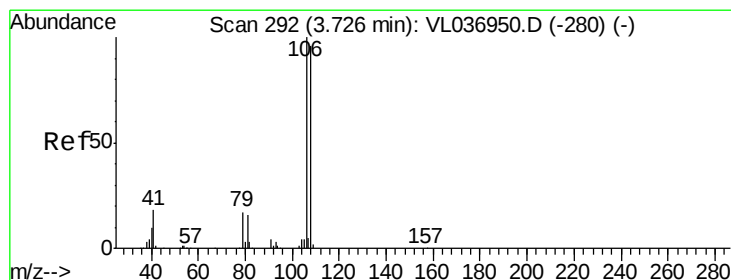
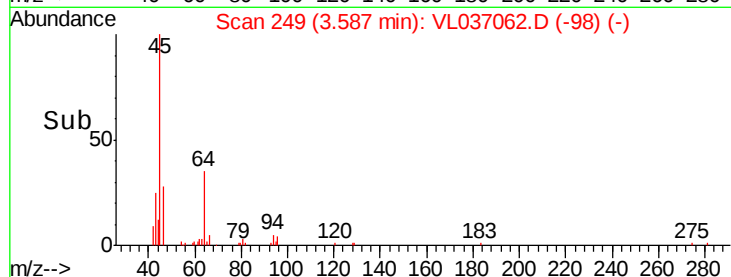
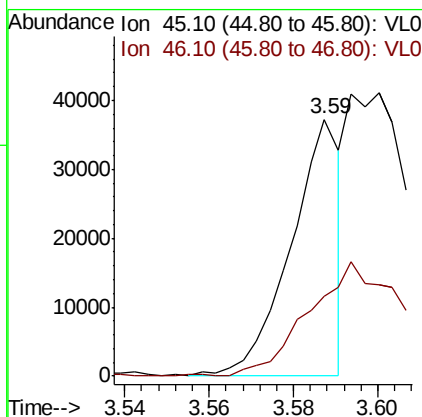
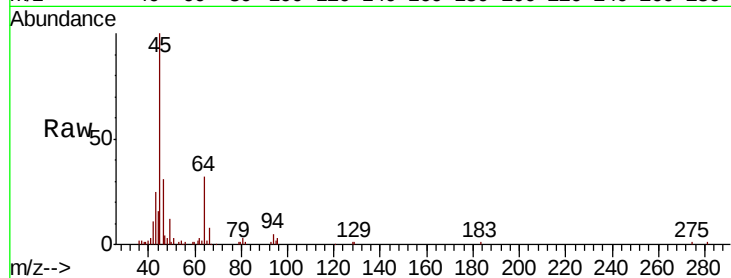




#13
Ethanol
Concen: 2.481 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

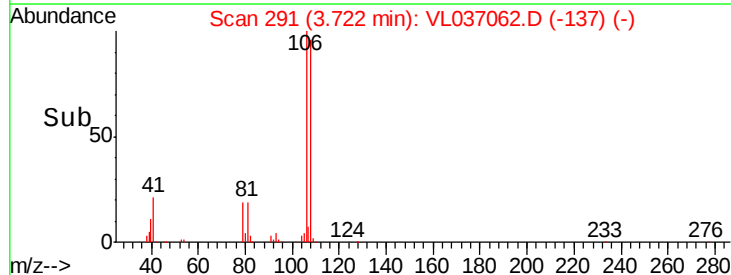
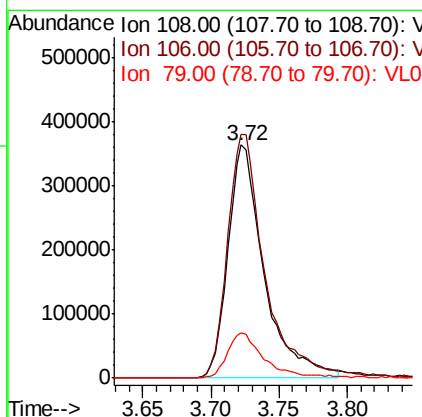
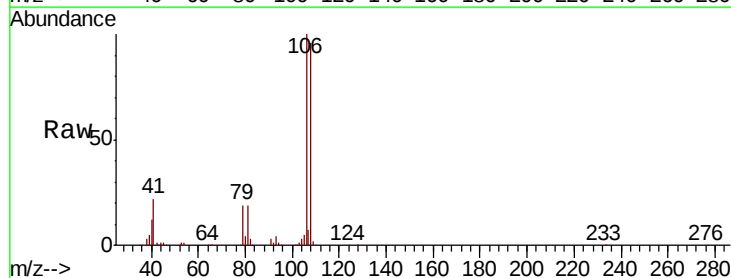
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

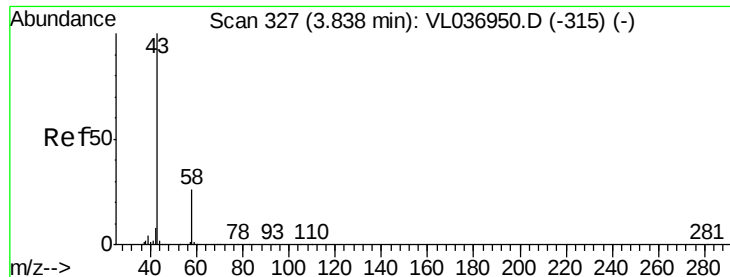
Tot Ion: 45 Resp: 30316
Ion Ratio Lower Upper
45 100
46 131.4 16.3 65.3#



#14
Bromoethene
Concen: 9.785 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 108 Resp: 672873
Ion Ratio Lower Upper
108 100
106 109.5 86.5 129.7
79 20.6 15.0 22.4





#15

Acetone

Concen: 7.833 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

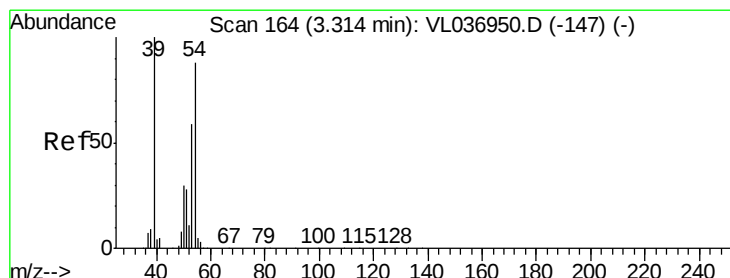
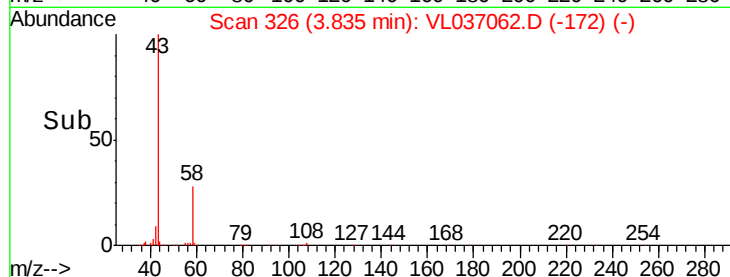
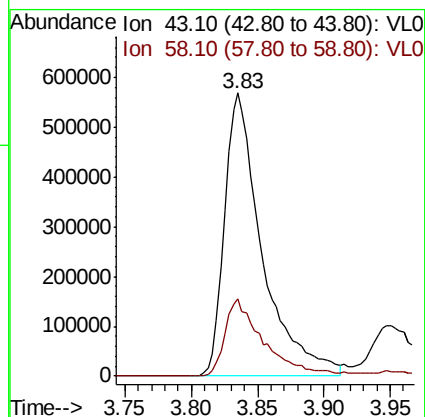
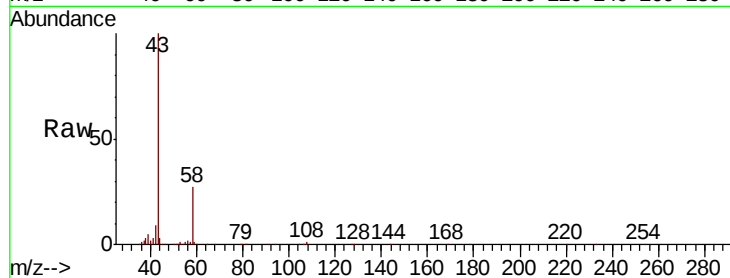
VSTDCCC010EC

Tot Ion: 43 Resp: 1119856

Ion Ratio Lower Upper

43 100

58 28.6 24.0 36.0



#16

1,3-Butadiene

Concen: 9.874 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL037062.D

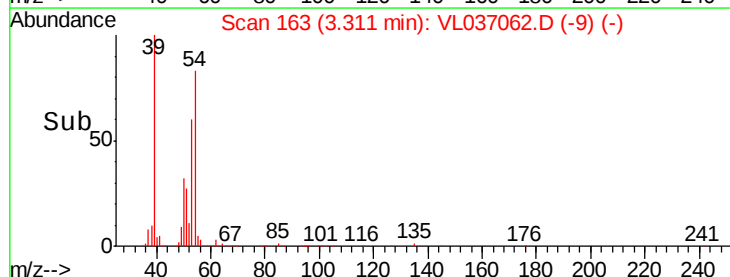
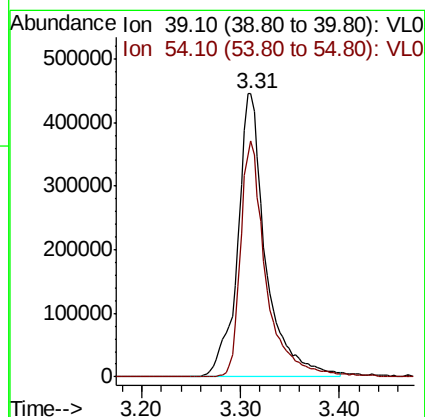
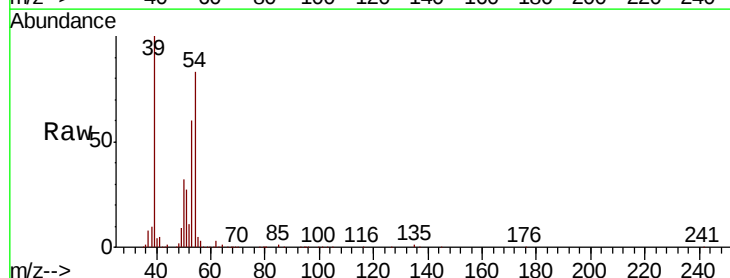
Acq: 25 May 2021 15:54

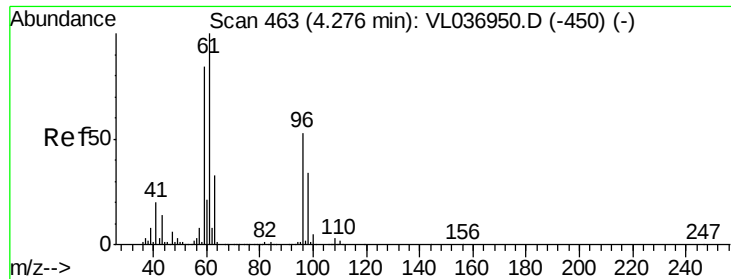
Tgt Ion: 39 Resp: 876997

Ion Ratio Lower Upper

39 100

54 76.1 63.2 94.8

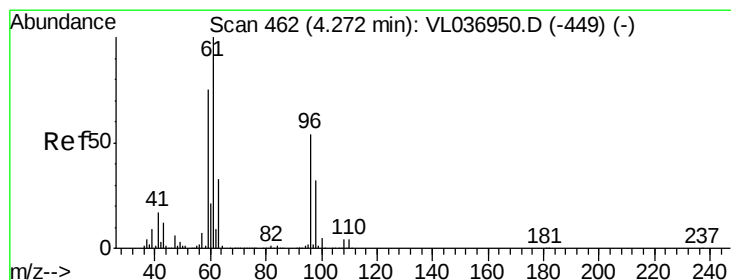
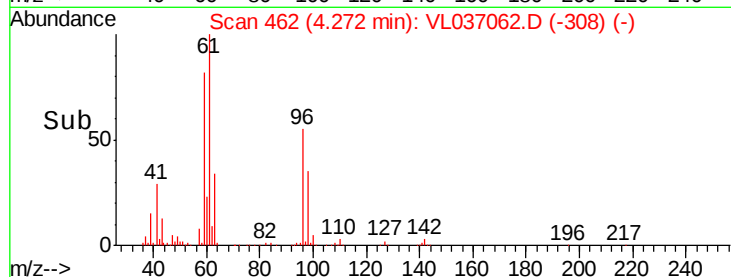
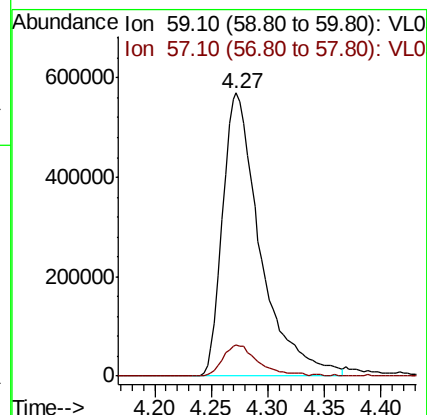
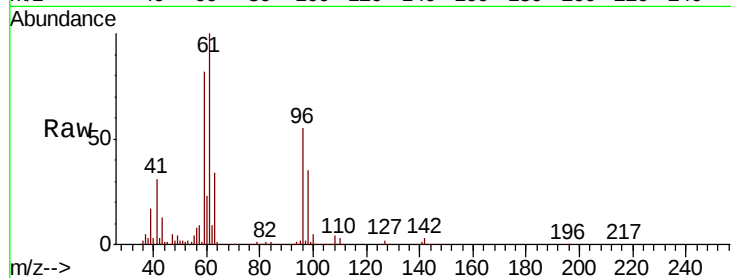




#17
tert-Butyl alcohol
Concen: 10.071 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

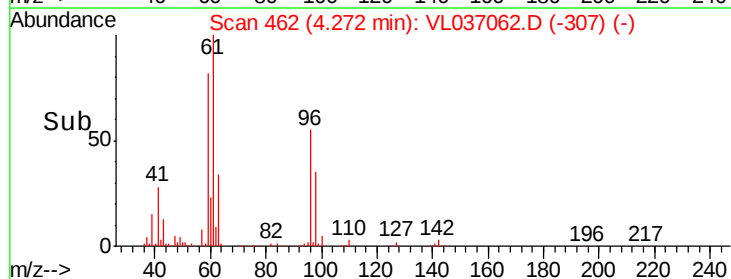
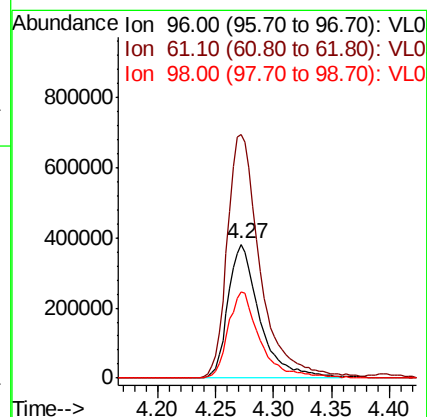
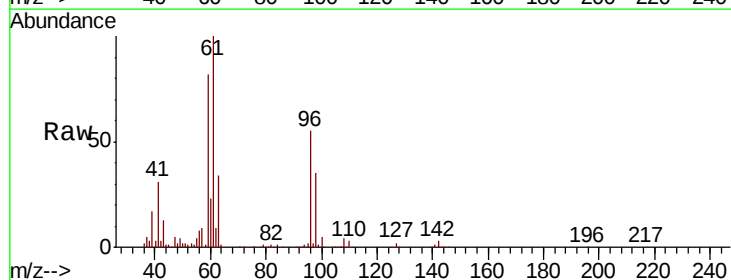
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

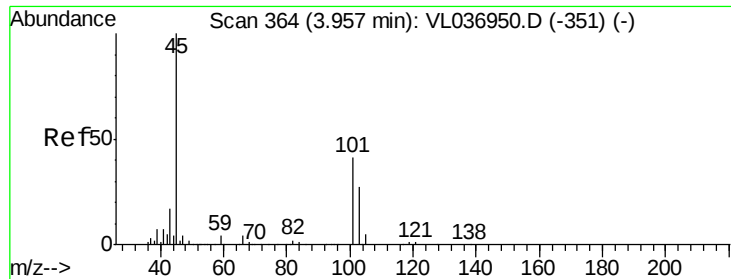
Tot Ion: 59 Resp: 1318859
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5



#18
1,1-Dichloroethene
Concen: 9.996 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 96 Resp: 721628
Ion Ratio Lower Upper
96 100
61 181.6 148.2 222.4
98 64.0 47.8 71.6



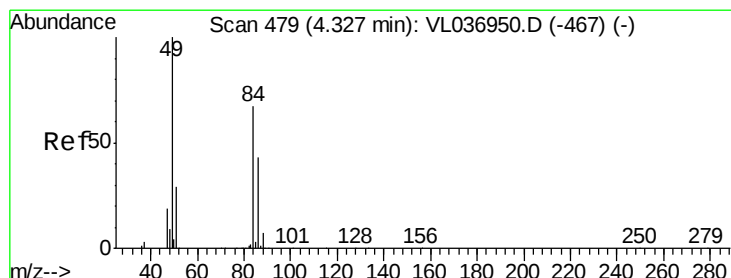
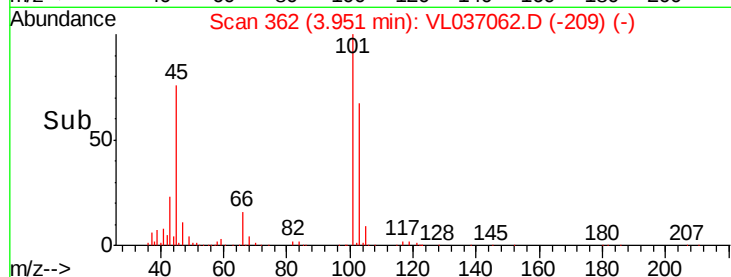
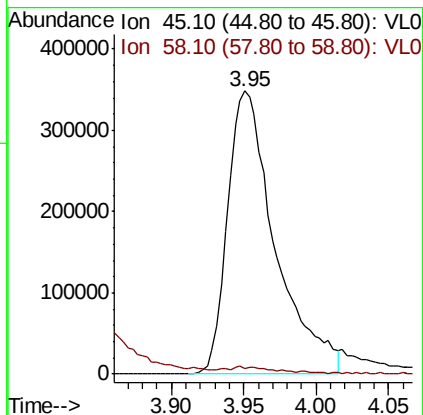
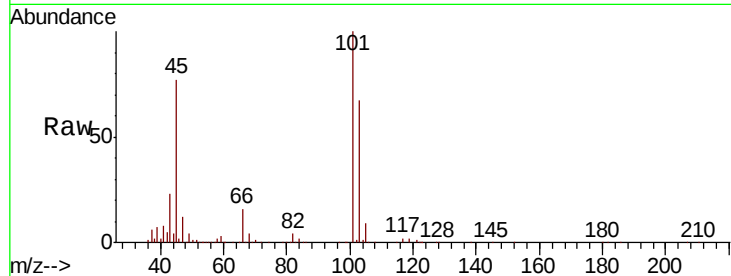


#19

Isopropyl Alcohol
 Concen: 10.330 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

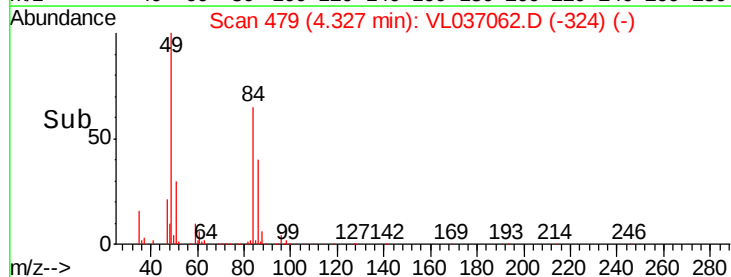
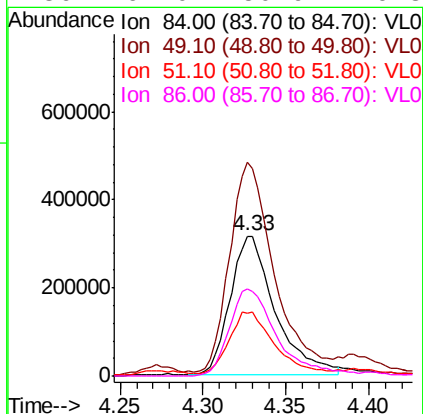
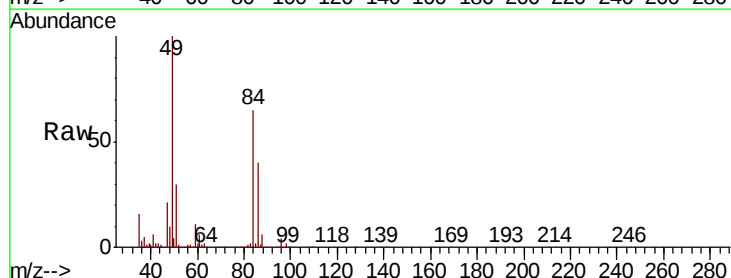
Tot Ion: 45 Resp: 793832
 Ion Ratio Lower Upper
 45 100
 58 2.0 37.2 55.8#

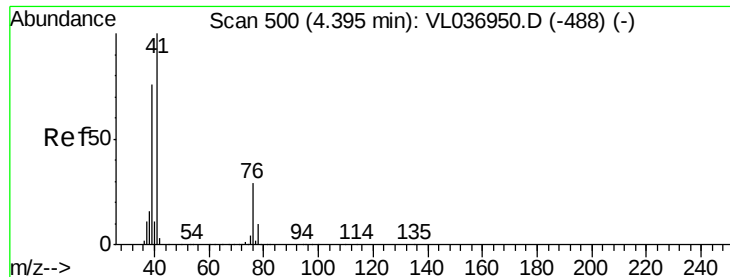


#20

Methylene Chloride
 Concen: 7.794 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 84 Resp: 597316
 Ion Ratio Lower Upper
 84 100
 49 150.5 119.8 179.6
 51 43.3 35.1 52.7
 86 62.0 50.9 76.3

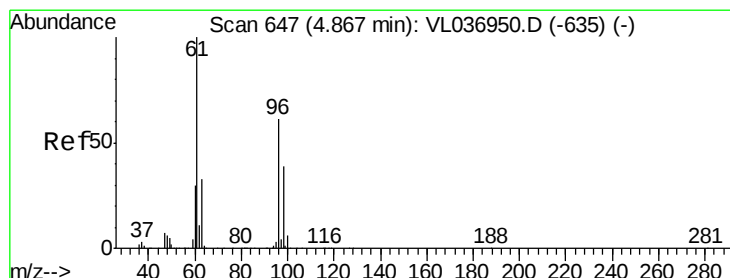
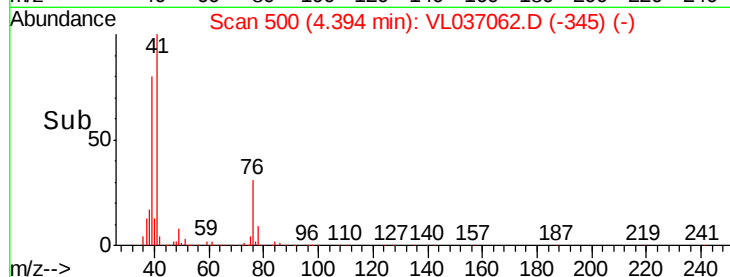
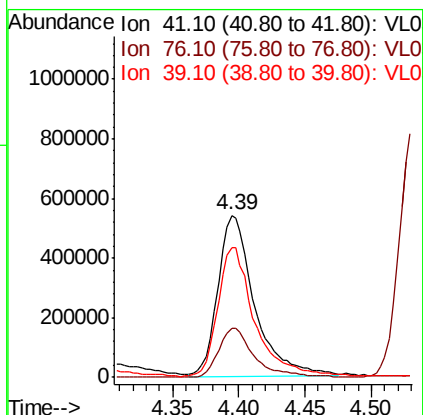
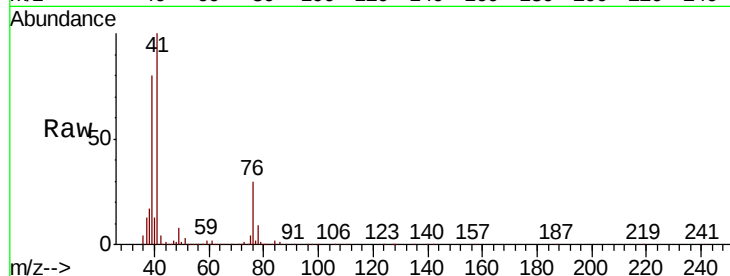




#21
Allvl Chloride
Concen: 9.636 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

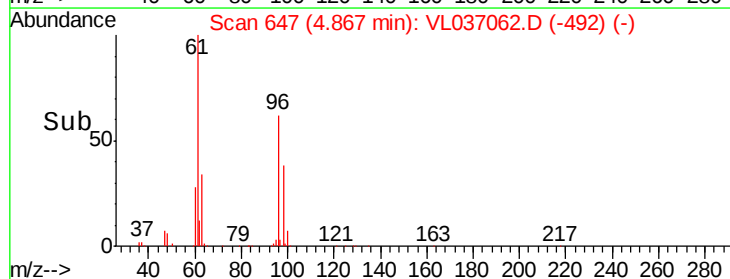
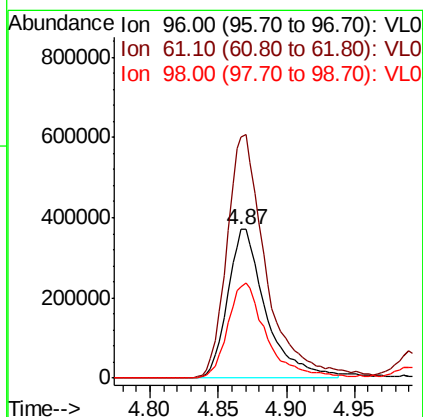
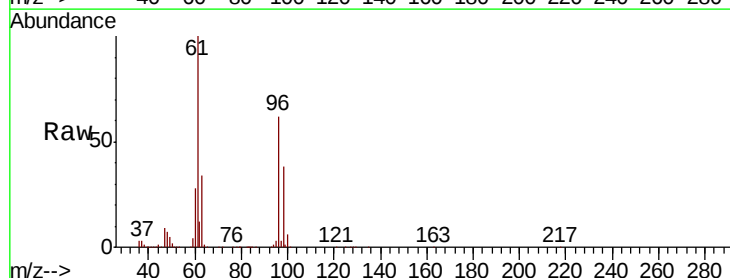
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

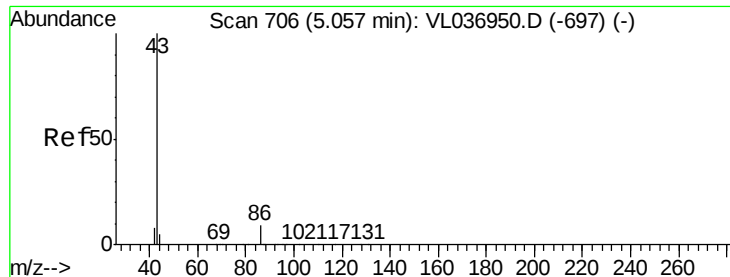
Tot Ion: 41 Resp: 1039252
Ion Ratio Lower Upper
41 100
76 30.2 24.9 37.3
39 80.2 63.7 95.5



#22
trans-1,2-Dichloroethene
Concen: 10.420 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 96 Resp: 720916
Ion Ratio Lower Upper
96 100
61 162.3 130.6 196.0
98 61.2 50.8 76.2





#23

Vinyl Acetate

Concen: 7.279 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

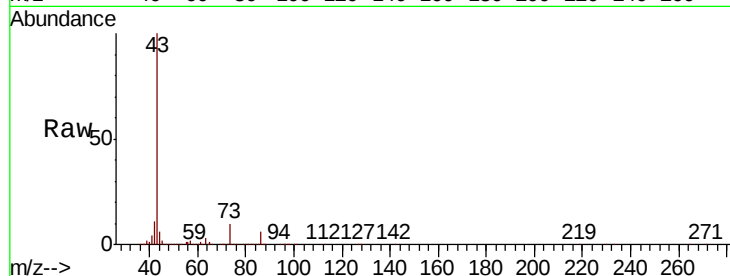
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1651840

Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.8	8.8
42	10.5	7.4	11.2
44	5.2	3.3	4.9#

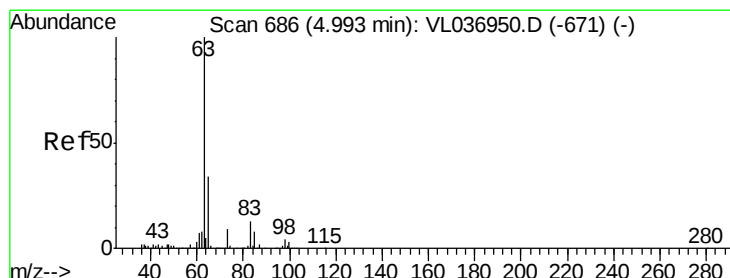
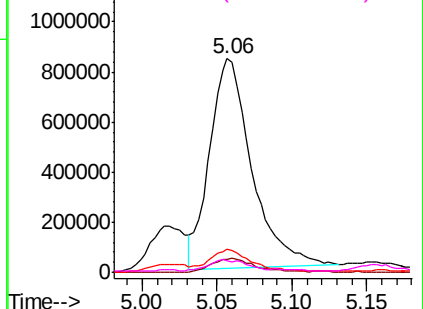
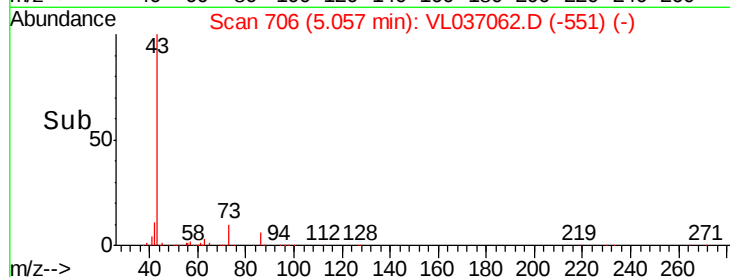


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.770 ppbv

RT: 4.99 min Scan# 686

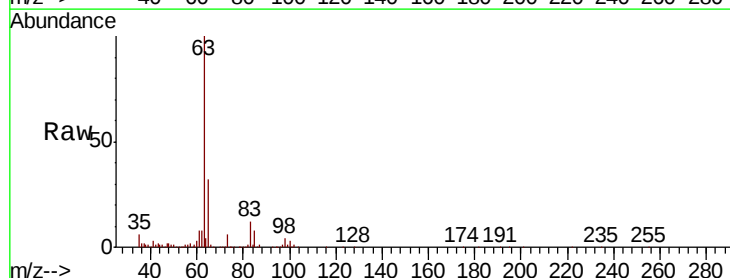
Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Tgt Ion: 63 Resp: 1432401

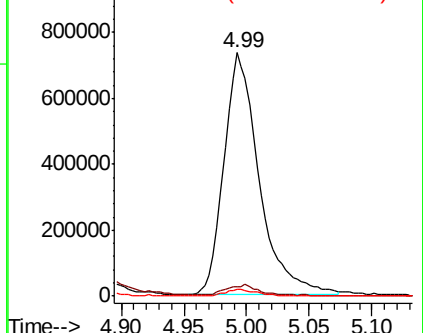
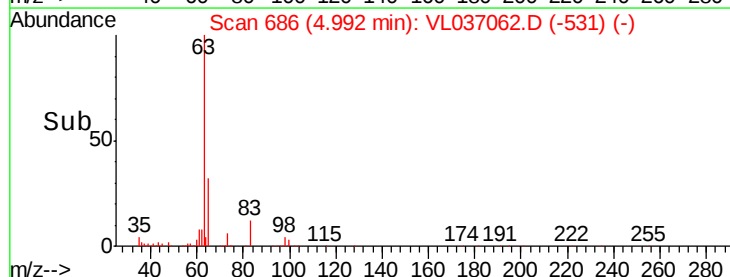
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.3	6.9
100	2.6	1.4	4.0

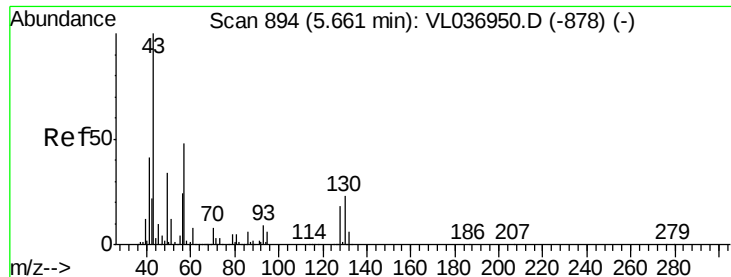


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

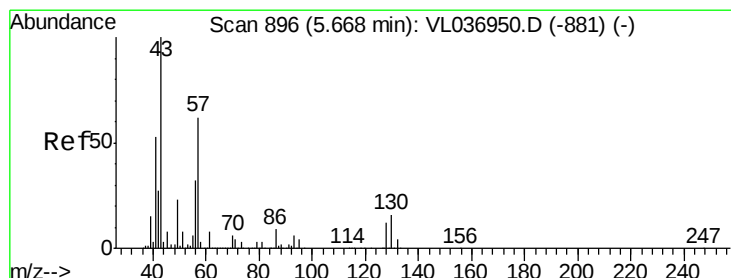
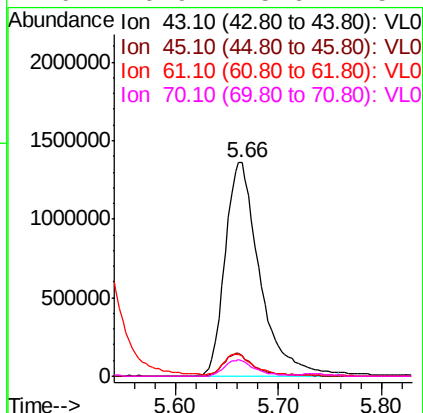
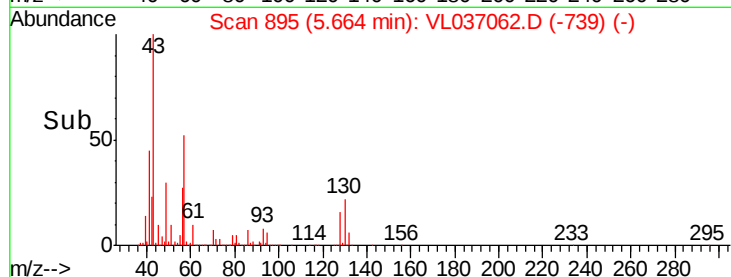
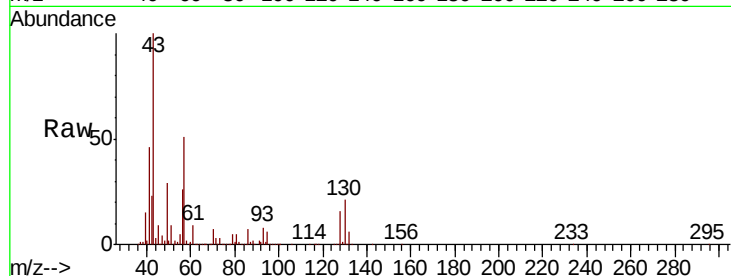




#25
Ethyl Acetate
Concen: 9.258 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

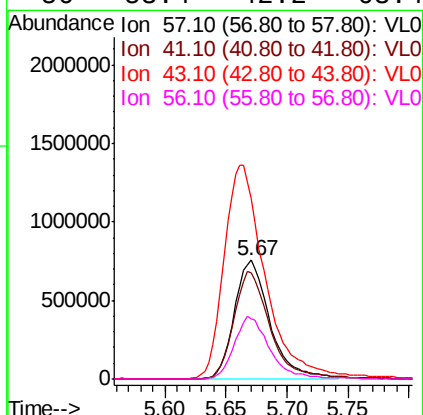
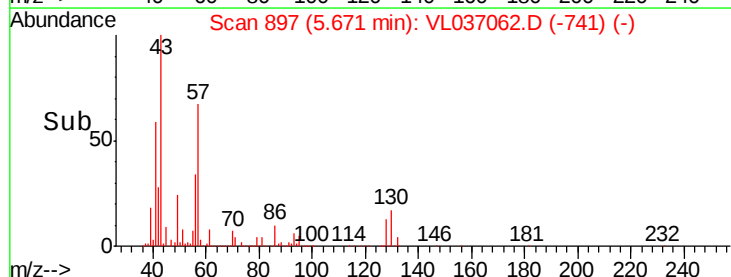
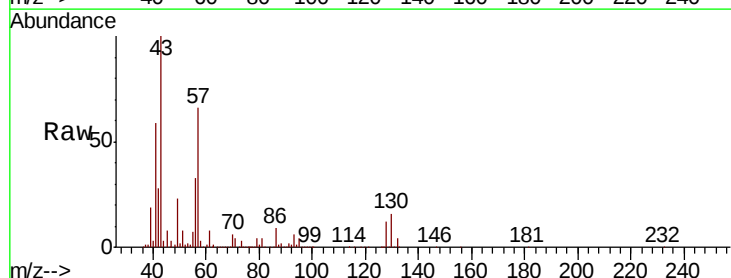
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

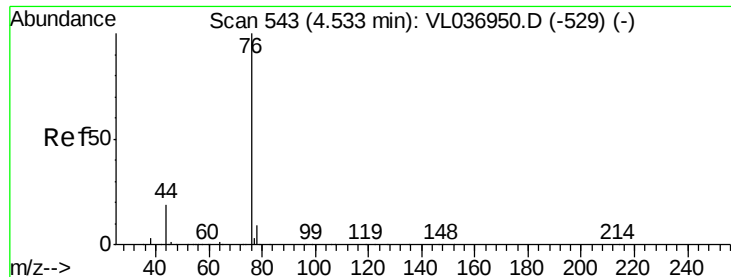
Tot Ion:	43	Resp:	3180383
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.8	7.8	11.8
70	6.9	5.6	8.4



#26
Hexane
Concen: 8.708 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion:	57	Resp:	1528169
Ion	Ratio	Lower	Upper
57	100		
41	93.6	70.5	105.7
43	211.6	165.8	248.8
56	53.4	42.2	63.4





#27

Carbon Disulfide

Concen: 9.547 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

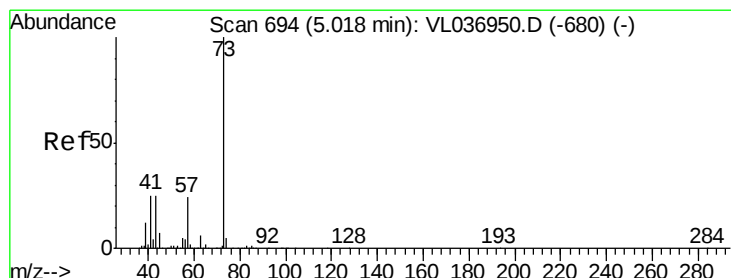
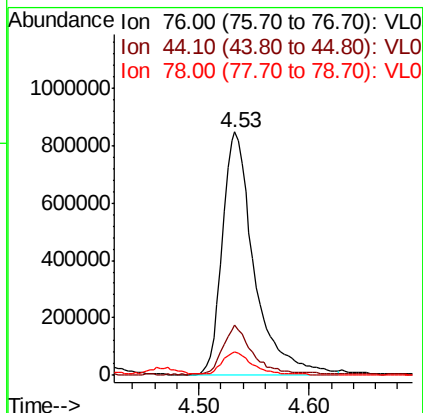
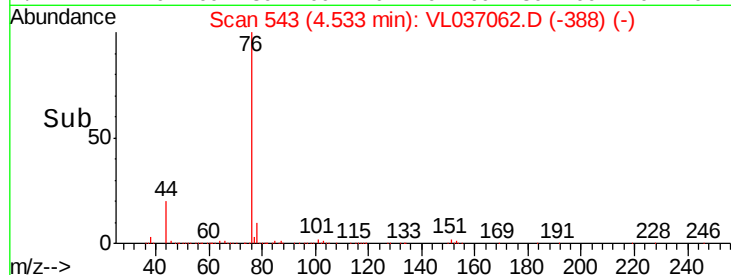
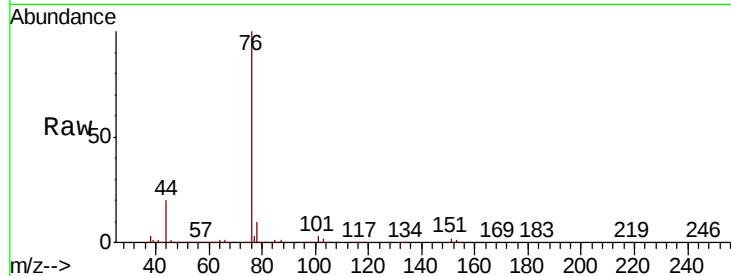
Tot Ion: 76 Resp: 1688697

Ion Ratio Lower Upper

76 100

44 19.3 15.5 23.3

78 9.9 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 7.205 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037062.D

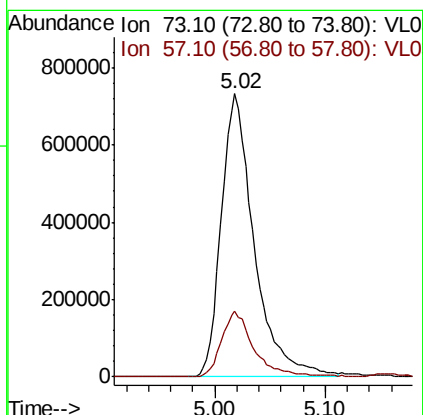
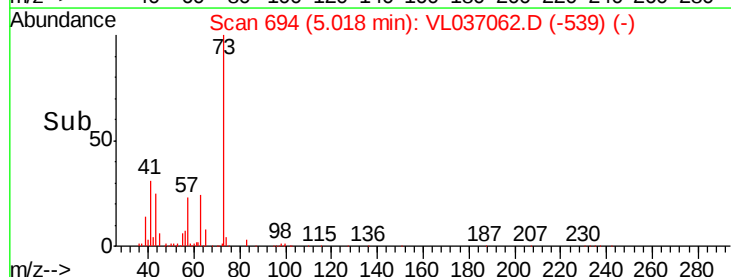
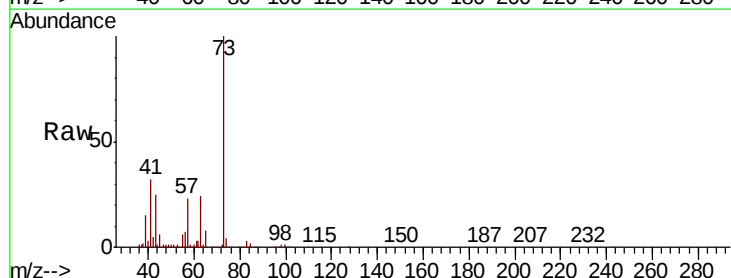
Acq: 25 May 2021 15:54

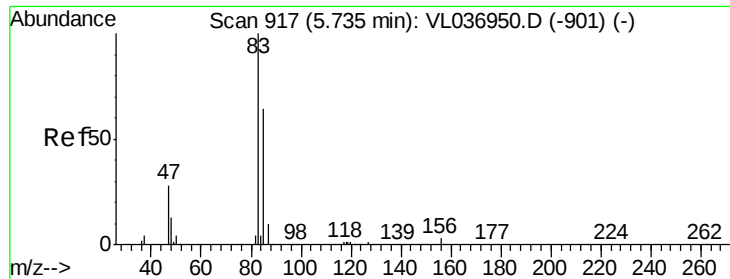
Tgt Ion: 73 Resp: 1515786

Ion Ratio Lower Upper

73 100

57 23.0 18.3 27.5





#29

Chloroform

Concen: 10.198 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

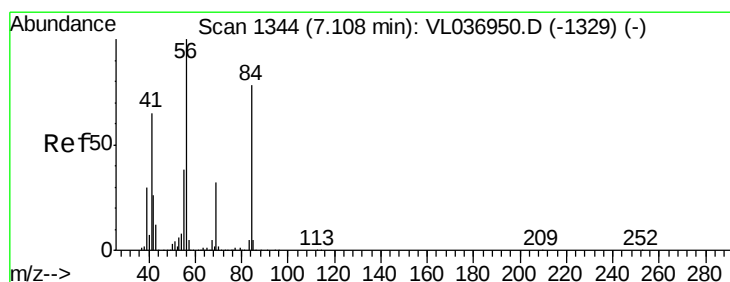
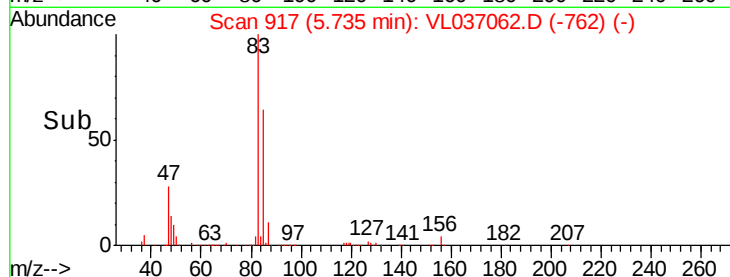
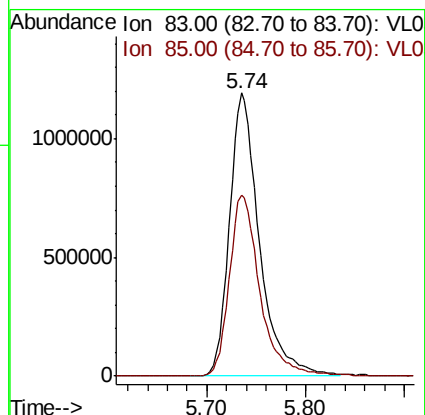
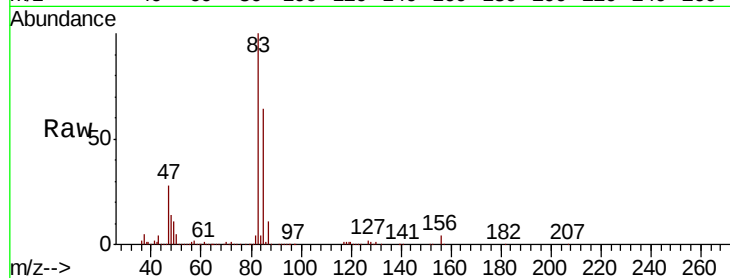
VSTDCCC010EC

Tot Ion: 83 Resp: 2528568

Ion Ratio Lower Upper

83 100

85 63.7 51.1 76.7



#30

Cyclohexane

Concen: 9.313 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

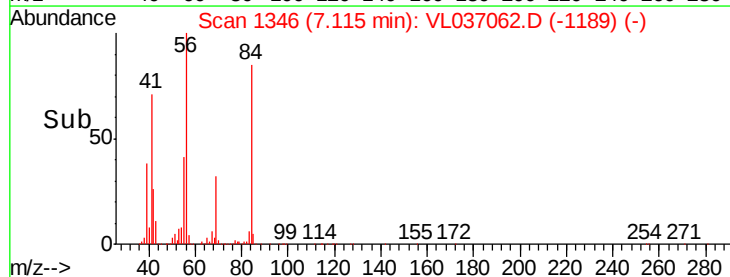
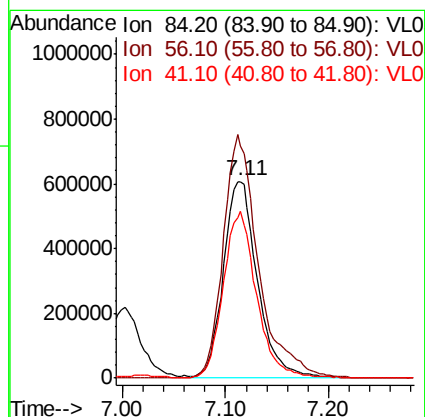
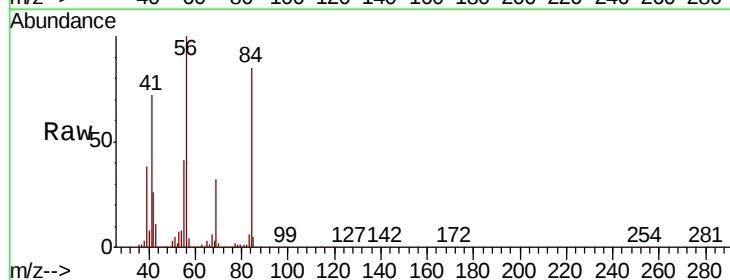
Tgt Ion: 84 Resp: 1388970

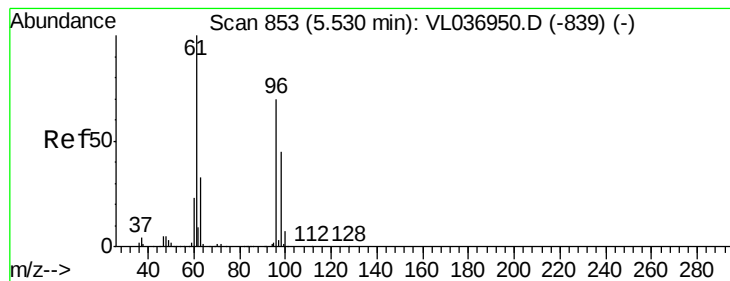
Ion Ratio Lower Upper

84 100

56 129.5 107.9 161.9

41 83.8 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 9.832 ppbv

RT: 5.53 min Scan# 853

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

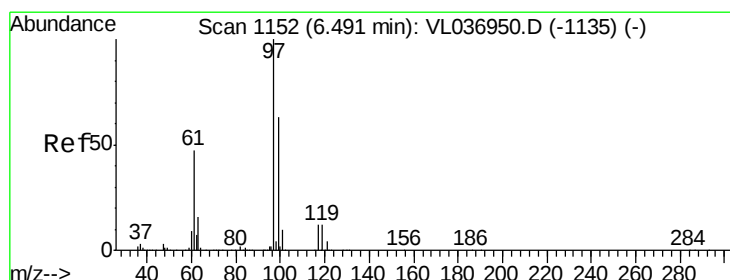
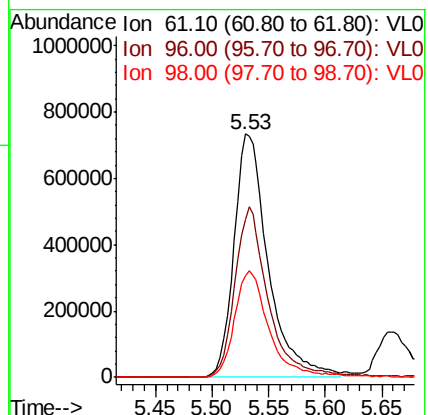
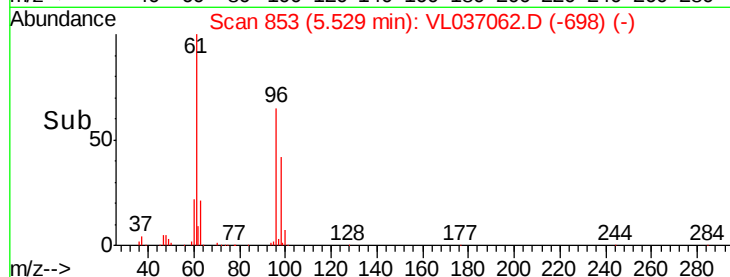
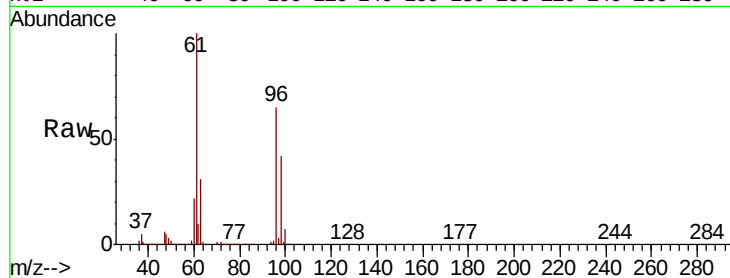
Tot Ion: 61 Resp: 1546993

Ion Ratio Lower Upper

61 100

96 64.6 55.9 83.9

98 41.8 35.6 53.4



#32

1,1,1-Trichloroethane

Concen: 9.881 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

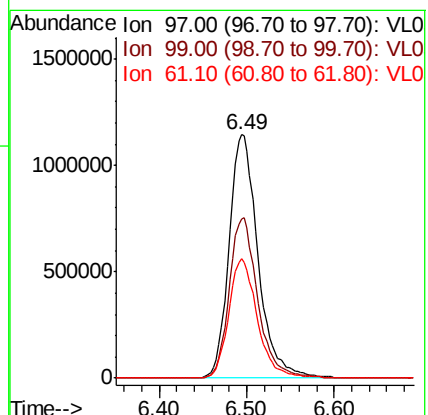
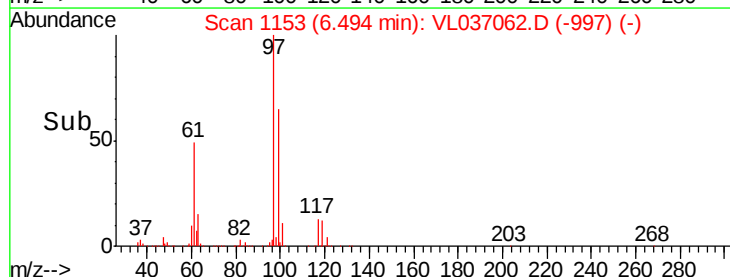
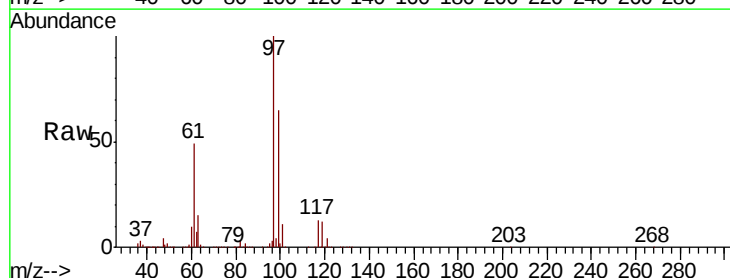
Tgt Ion: 97 Resp: 2630618

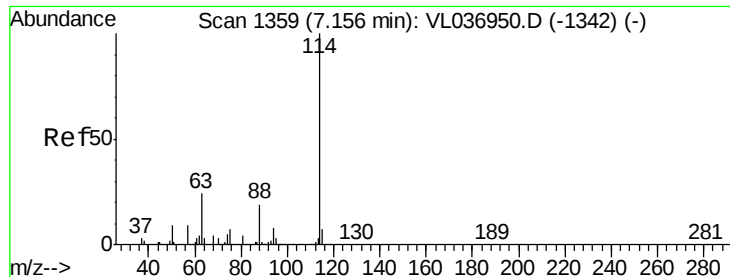
Ion Ratio Lower Upper

97 100

99 65.3 51.9 77.9

61 48.4 37.6 56.4

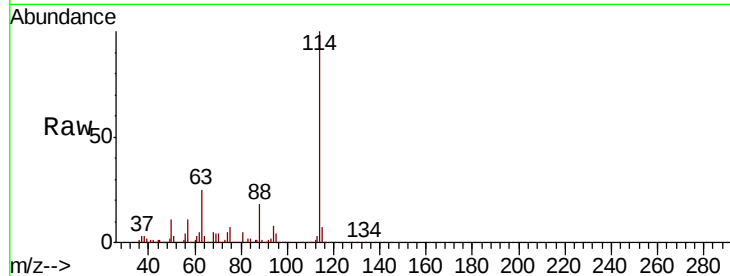




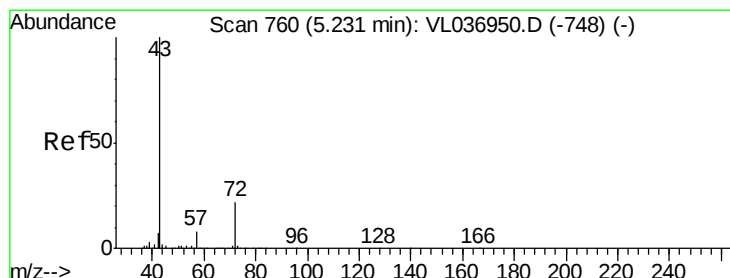
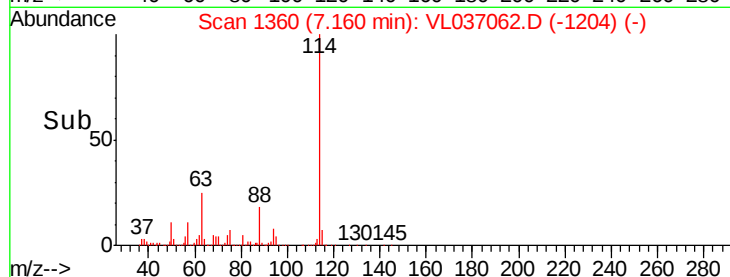
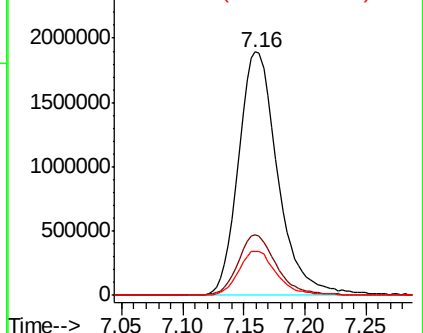
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4184448
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.6 29.4
 88 18.0 14.6 21.8

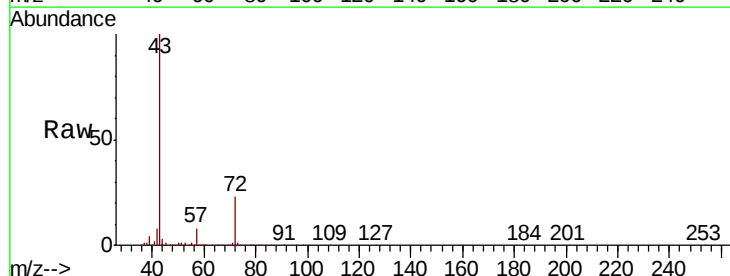


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

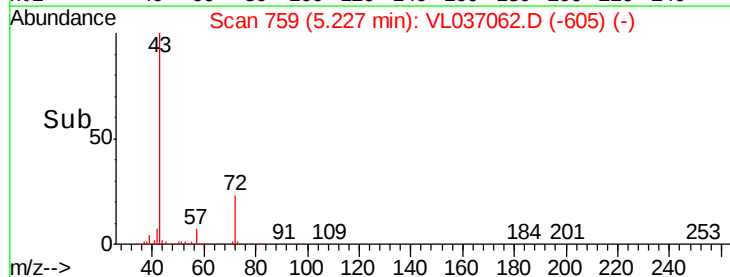
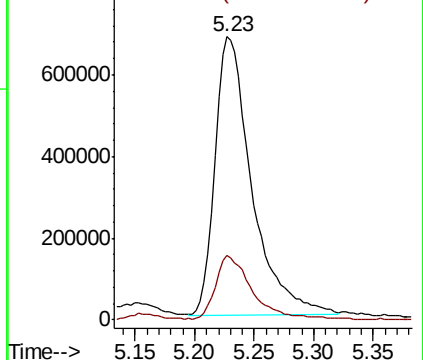


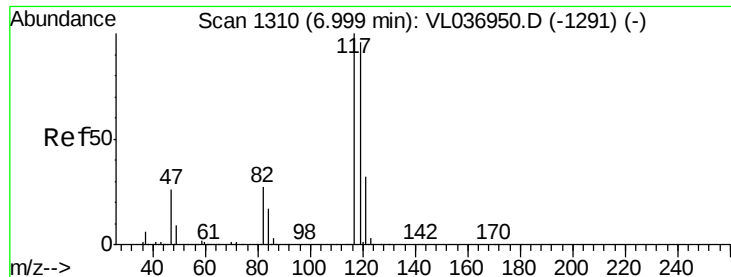
#34
 2-Butanone
 Concen: 9.563 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 43 Resp: 1457093
 Ion Ratio Lower Upper
 43 100
 72 23.4 19.0 28.4



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

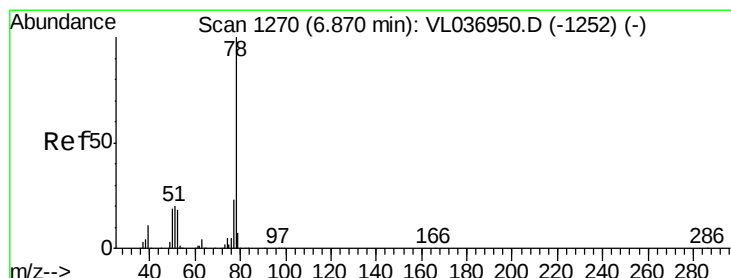
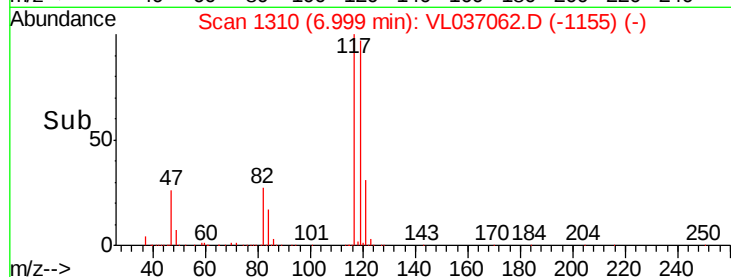
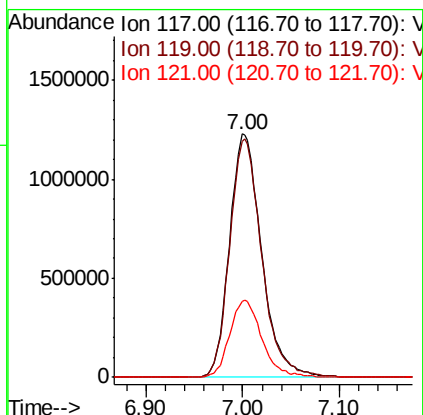
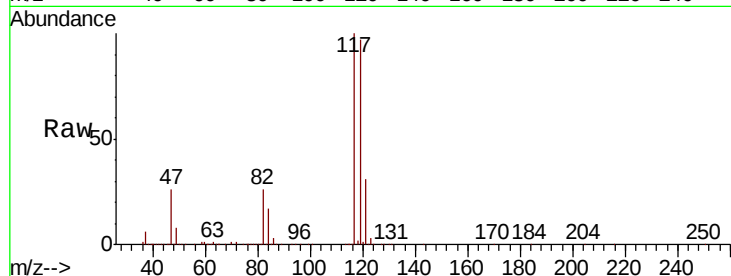




#35
Carbon Tetrachloride
Concen: 10.203 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

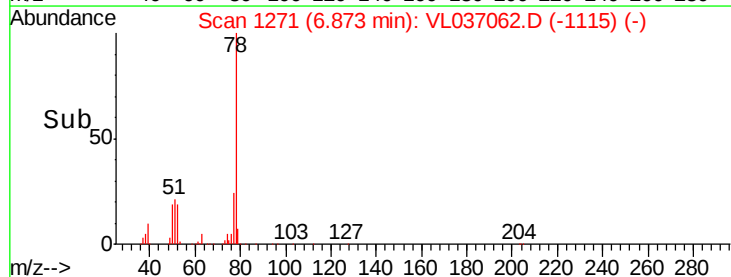
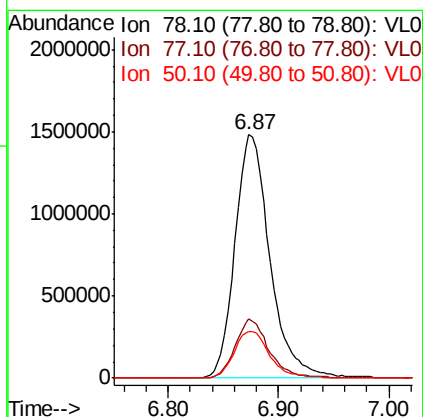
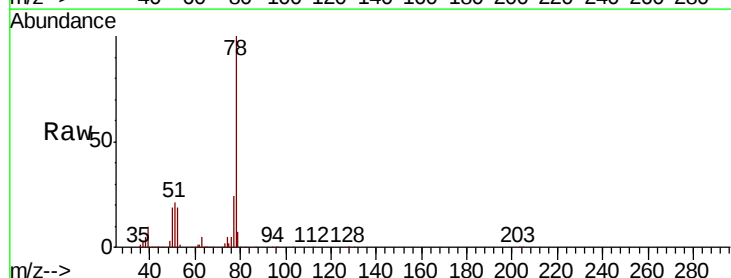
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

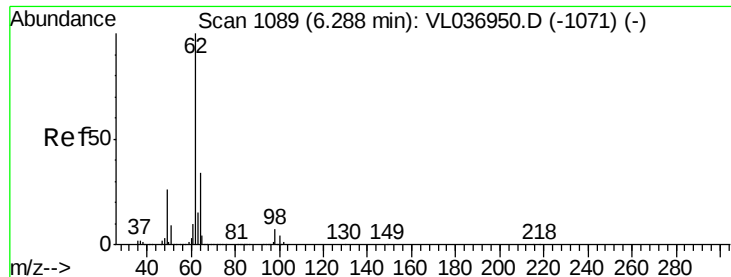
Tot Ion:117 Resp: 2836728
Ion Ratio Lower Upper
117 100
119 96.7 76.6 114.8
121 31.1 25.8 38.6



#36
Benzene
Concen: 9.026 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 78 Resp: 3253317
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0
50 19.3 15.0 22.4





#37

1,2-Dichloroethane

Concen: 10.801 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

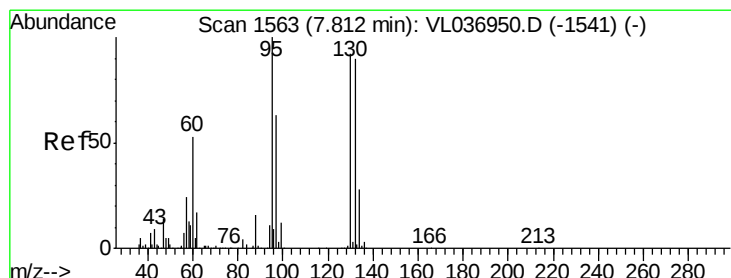
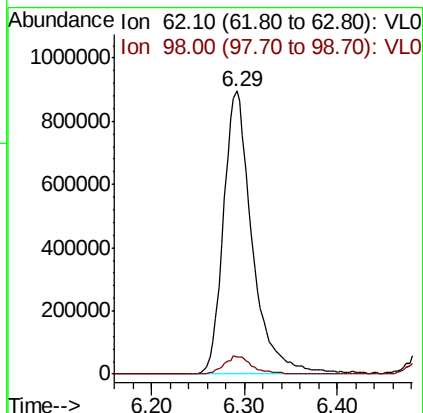
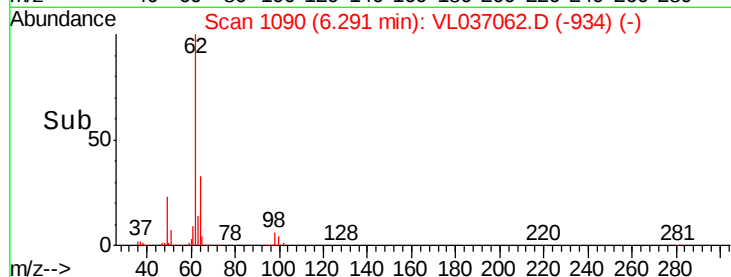
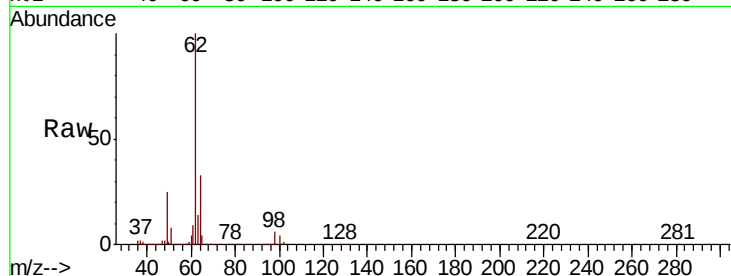
VSTDCCC010EC

Tot Ion: 62 Resp: 1930015

Ion Ratio Lower Upper

62 100

98 6.4 5.5 8.3



#38

Trichloroethene

Concen: 9.409 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Tgt Ion:130 Resp: 1450807

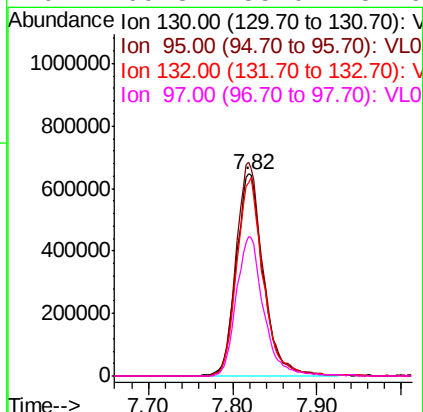
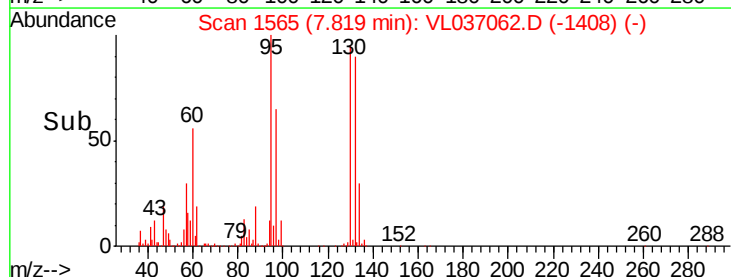
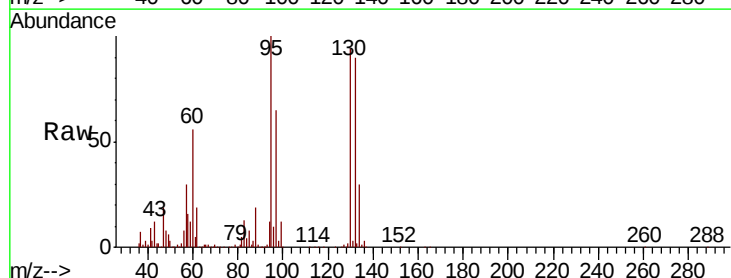
Ion Ratio Lower Upper

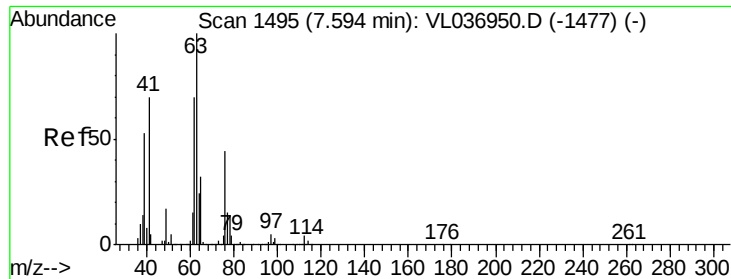
130 100

95 105.8 86.9 130.3

132 95.7 78.4 117.6

97 69.3 55.0 82.6

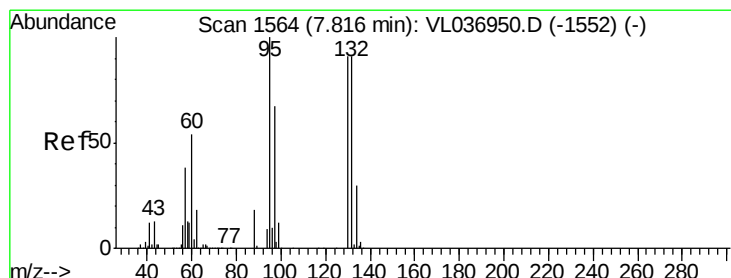
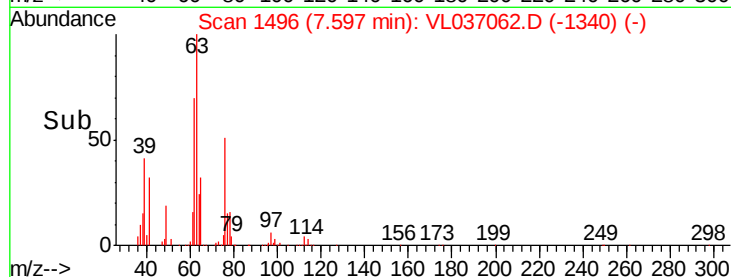
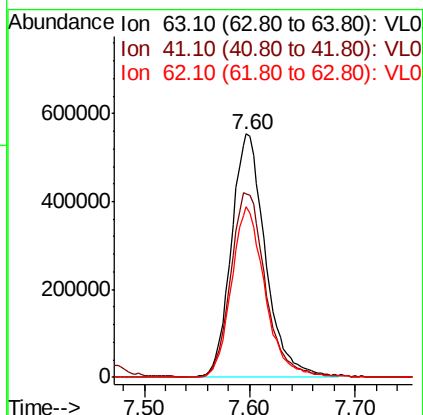
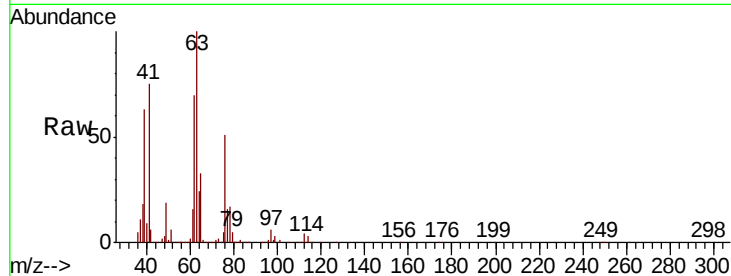




#39
 1,2-Dichloropropane
 Concen: 8.943 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

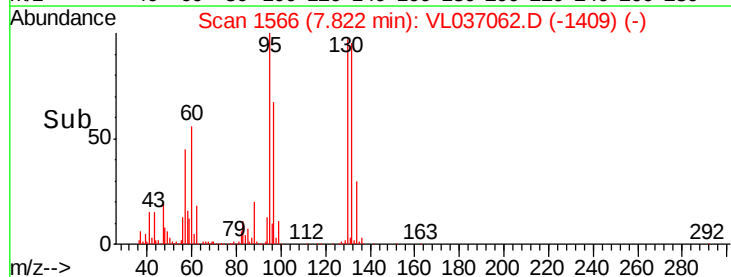
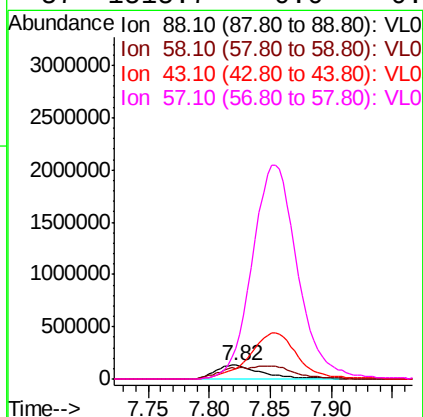
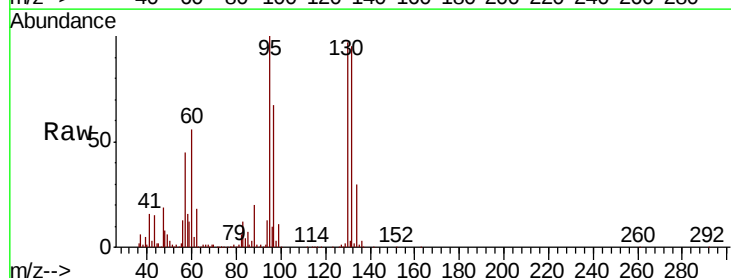
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

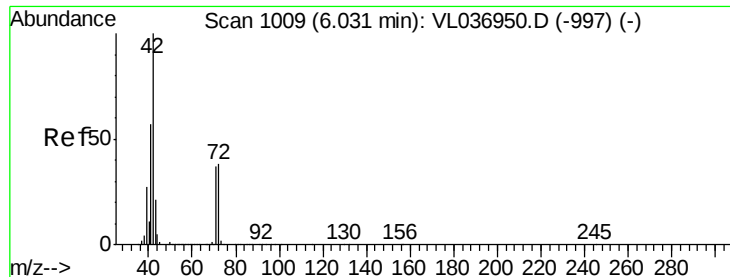
Tot Ion: 63 Resp: 1241641
 Ion Ratio Lower Upper
 63 100
 41 75.0 55.7 83.5
 62 70.1 56.2 84.4



#40
 1,4-Dioxane
 Concen: 10.707 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 88 Resp: 351021
 Ion Ratio Lower Upper
 88 100
 58 142.3 0.0 0.0#
 43 347.2 0.0 0.0#
 57 1515.7 0.0 0.0#





#41

Tetrahydrofuran

Concen: 8.656 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

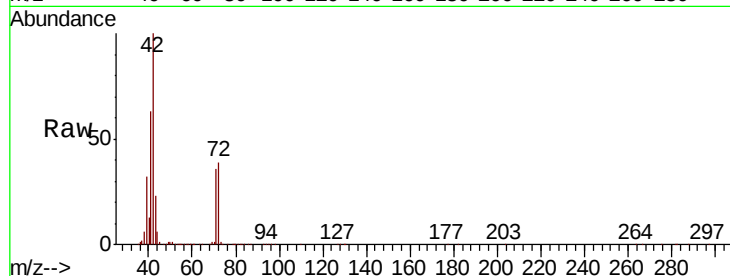
Tot Ion: 42 Resp: 751183

Ion Ratio Lower Upper

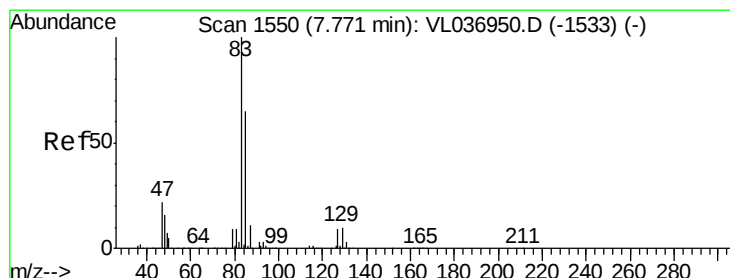
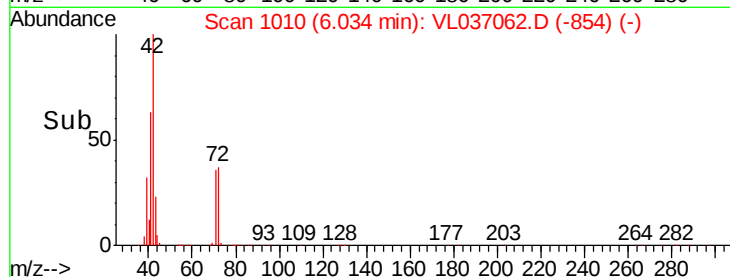
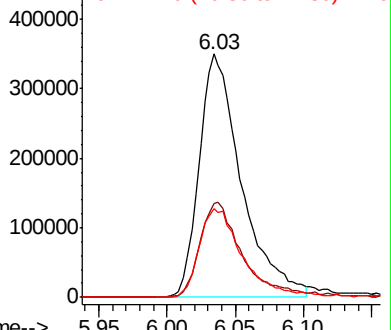
42 100

72 40.1 31.4 47.2

71 38.5 30.4 45.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.101 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

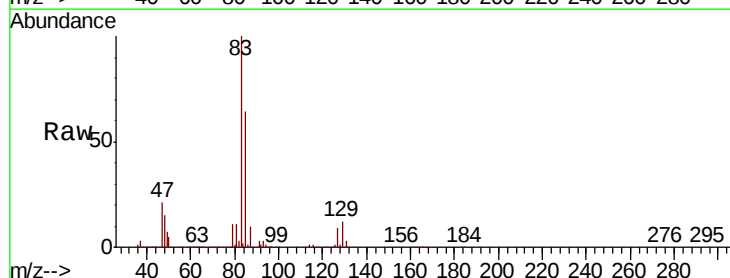
Tgt Ion: 83 Resp: 2730602

Ion Ratio Lower Upper

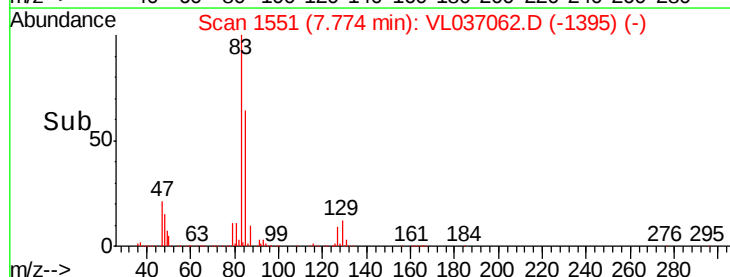
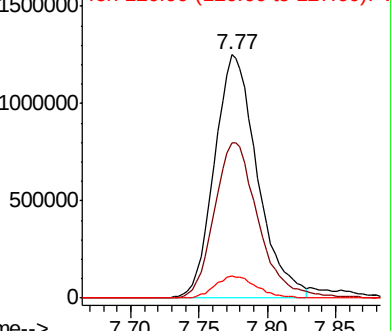
83 100

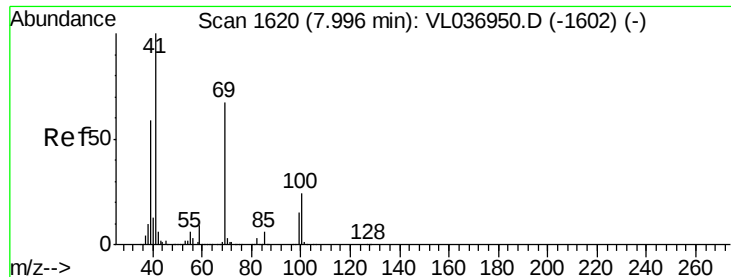
85 63.9 51.7 77.5

127 8.9 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

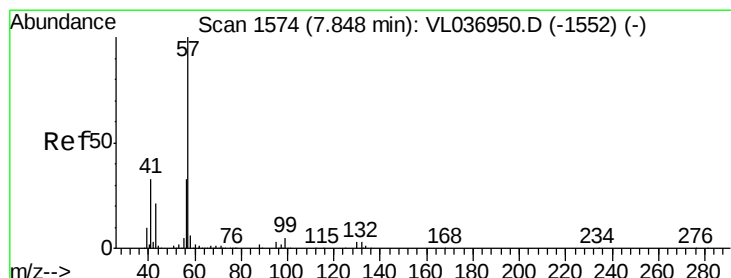
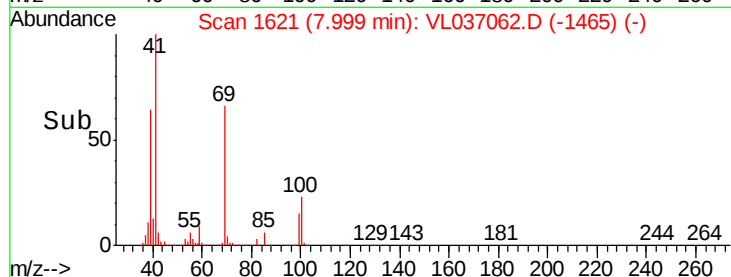
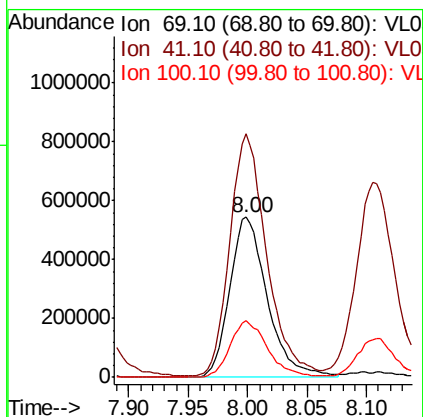
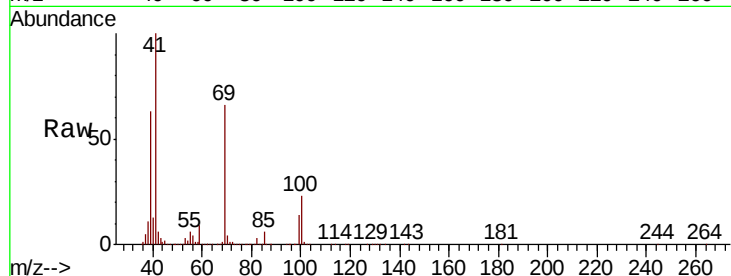




#43
Methvl Methacrylate
Concen: 9.582 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

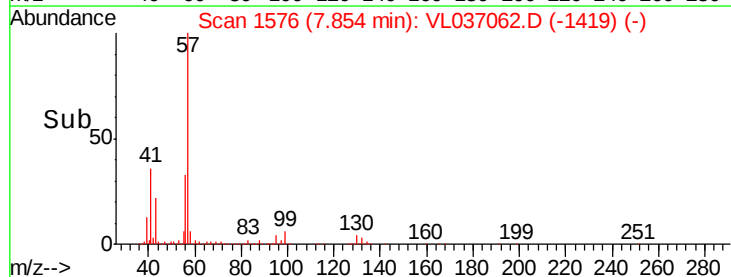
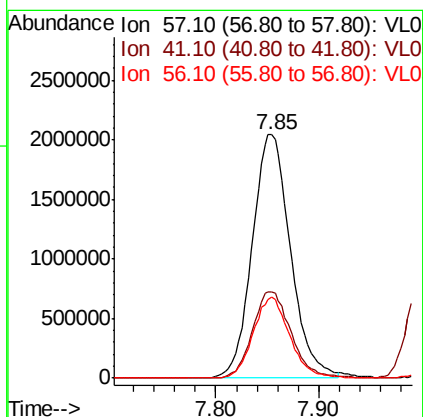
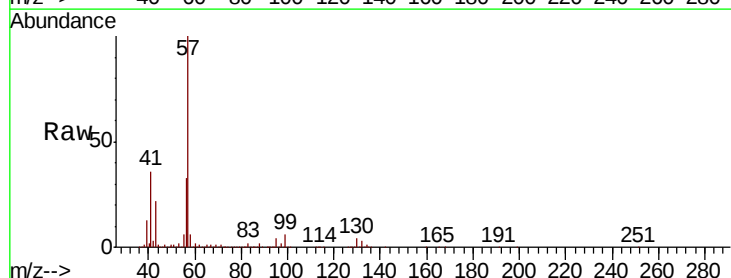
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

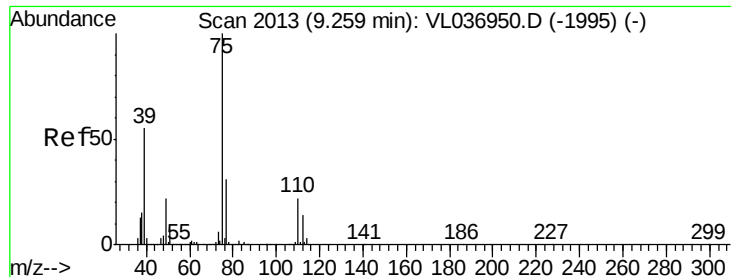
Tot Ion: 69 Resp: 1190297
Ion Ratio Lower Upper
69 100
41 149.2 118.6 178.0
100 35.4 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 8.515 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 57 Resp: 5265590
Ion Ratio Lower Upper
57 100
41 35.6 27.0 40.4
56 31.8 25.4 38.2

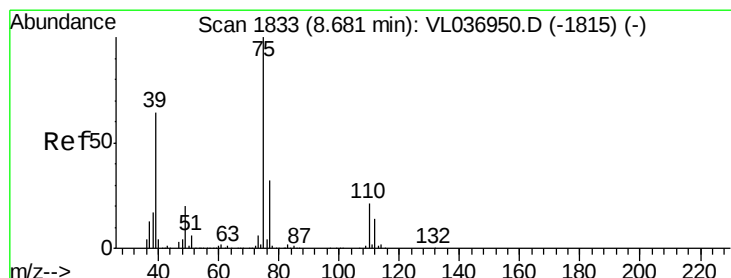
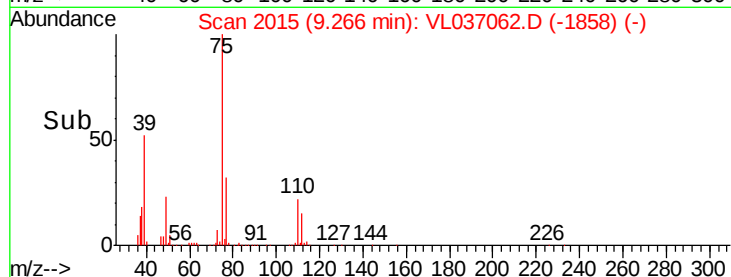
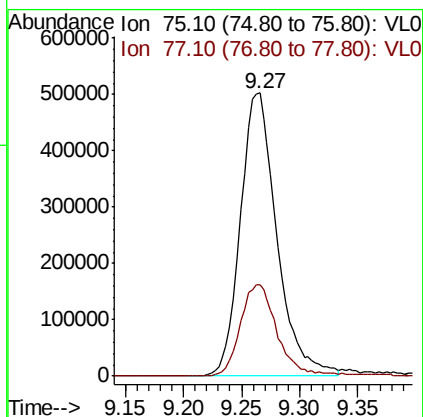
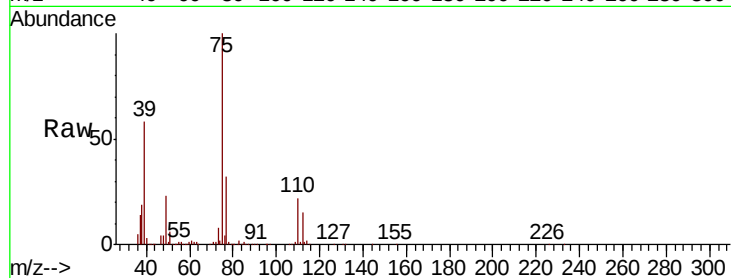




#45
 t-1,3-Dichloropropene
 Concen: 11.576 ppbv
 RT: 9.27 min Scan# 2015
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

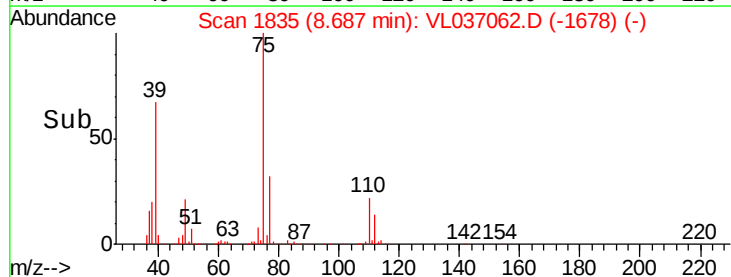
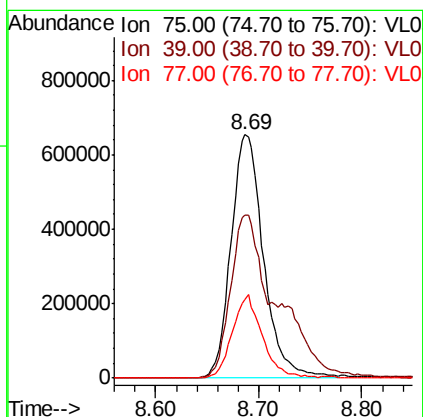
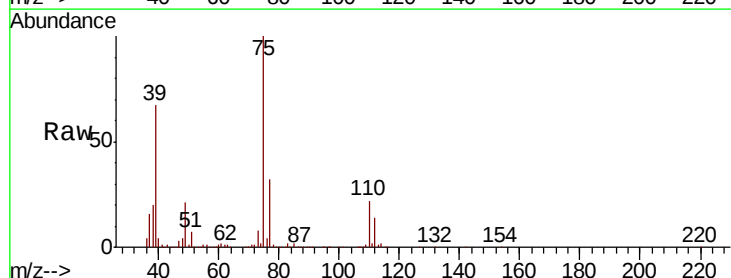
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

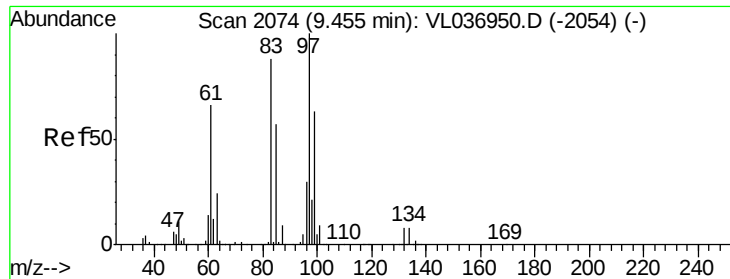
Tot Ion: 75 Resp: 1098653
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.4 36.6



#46
 cis-1,3-Dichloropropene
 Concen: 11.267 ppbv
 RT: 8.69 min Scan# 1835
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 75 Resp: 1438296
 Ion Ratio Lower Upper
 75 100
 39 67.0 51.5 77.3
 77 32.4 25.9 38.9

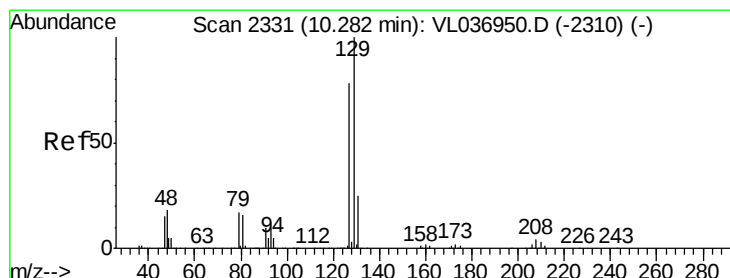
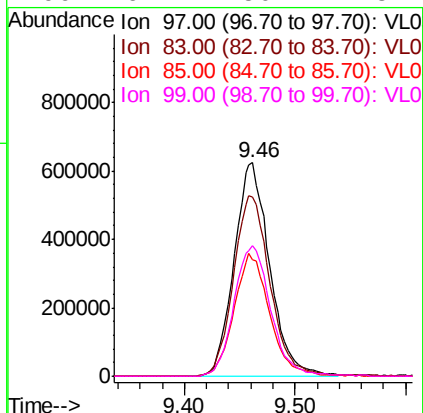
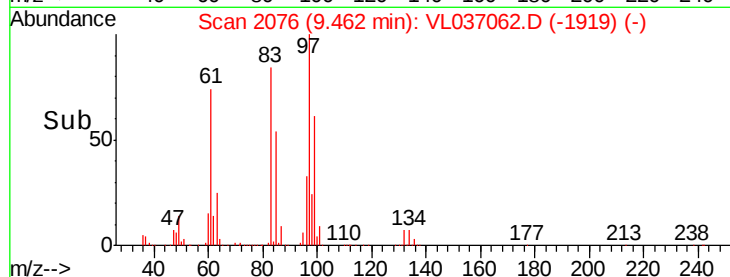
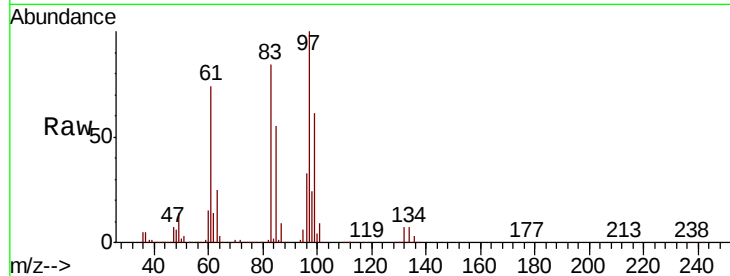




#47
 1,1,2-Trichloroethane
 Concen: 9.625 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

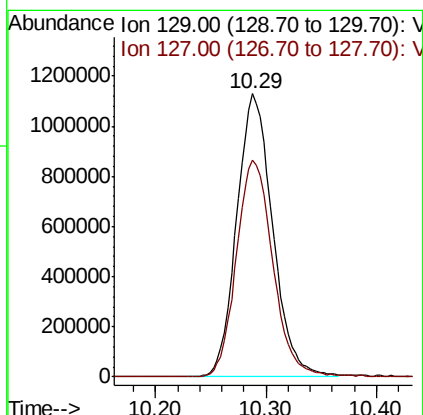
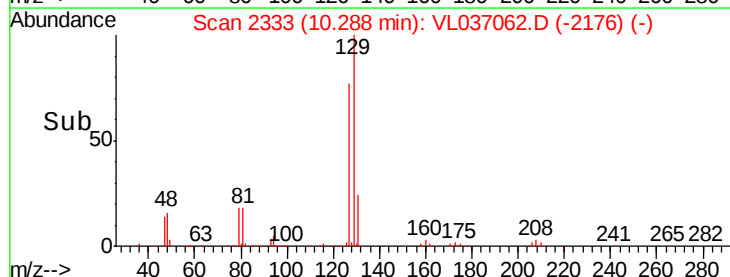
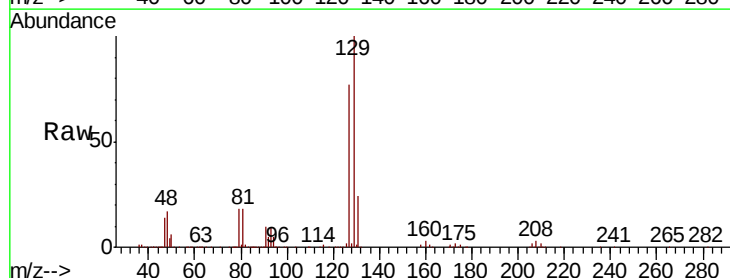
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

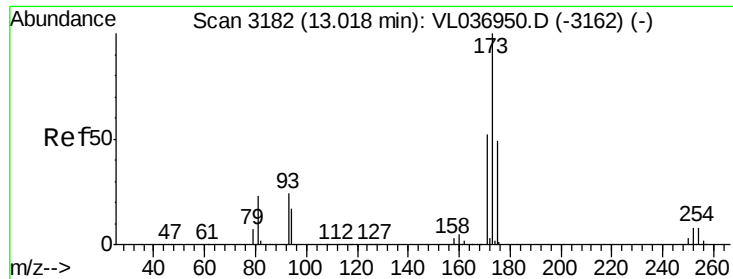
Tot Ion: 97 Resp: 1398695
 Ion Ratio Lower Upper
 97 100
 83 83.8 70.4 105.6
 85 54.5 45.5 68.3
 99 61.2 50.2 75.2



#48
 Dibromochloromethane
 Concen: 10.833 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 129 Resp: 2549008
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.3 117.8





#49

Bromoform

Concen: 10.864 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

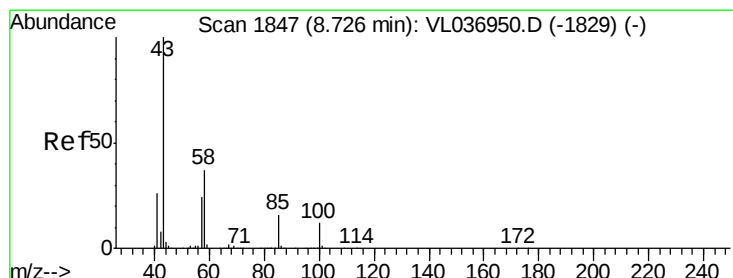
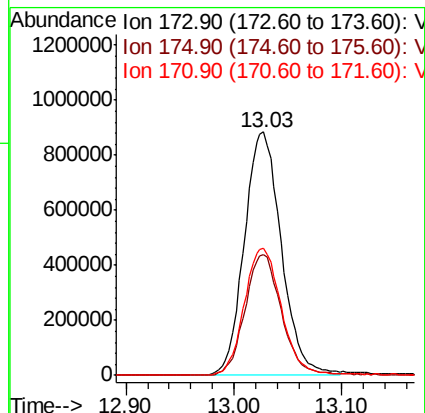
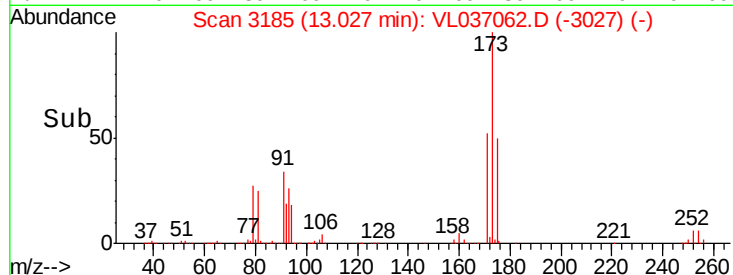
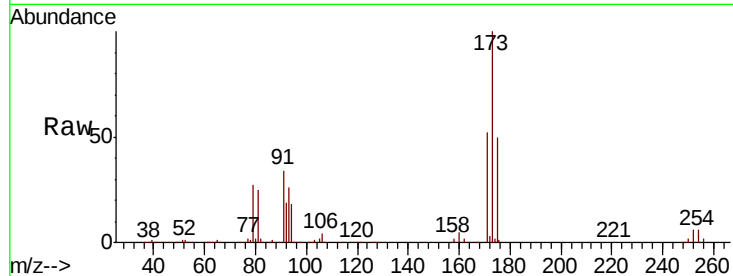
Tot Ion:173 Resp: 2111100

Ion Ratio Lower Upper

173 100

175 49.9 40.4 60.6

171 53.1 42.6 64.0



#50

4-Methyl-2-Pentanone

Concen: 9.127 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL037062.D

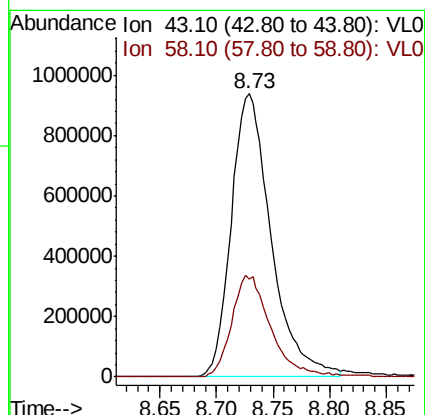
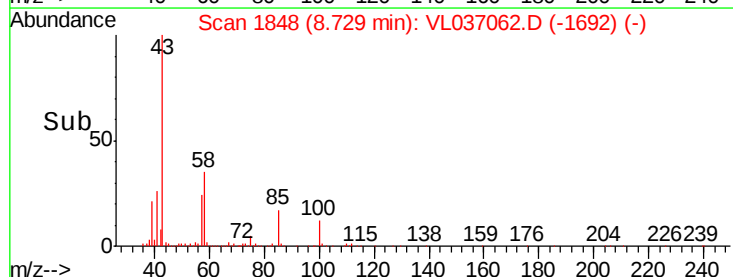
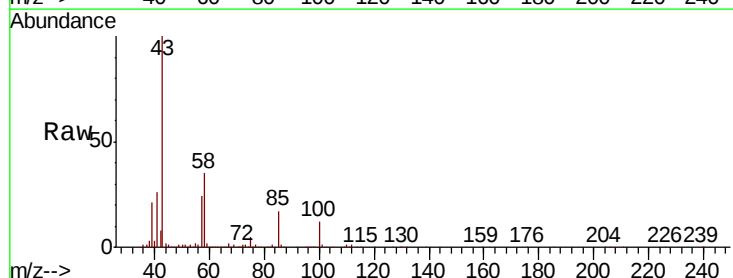
Acq: 25 May 2021 15:54

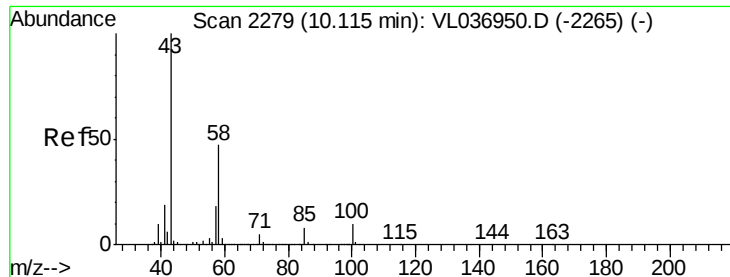
Tgt Ion: 43 Resp: 2294760

Ion Ratio Lower Upper

43 100

58 35.8 29.4 44.2





#51

2-Hexanone

Concen: 9.013 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

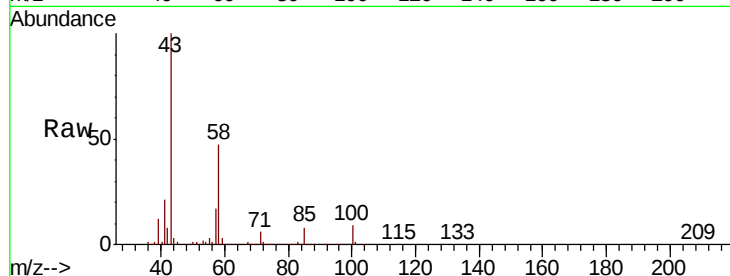
Tot Ion: 43 Resp: 1198010

Ion Ratio Lower Upper

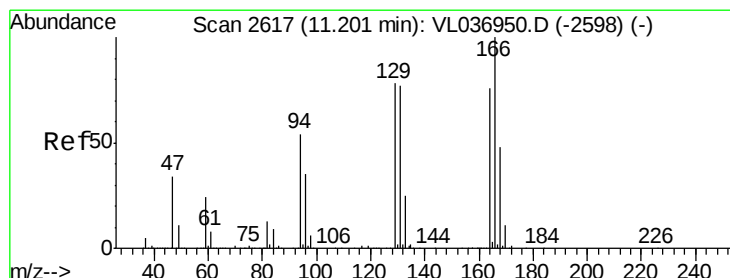
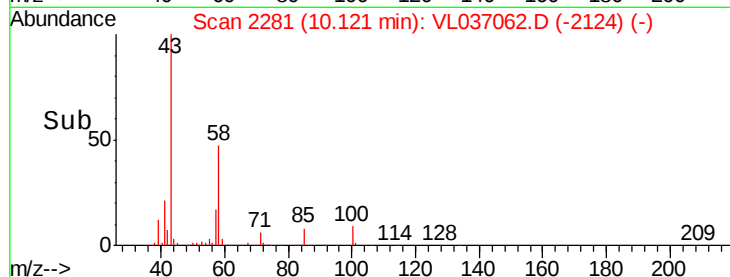
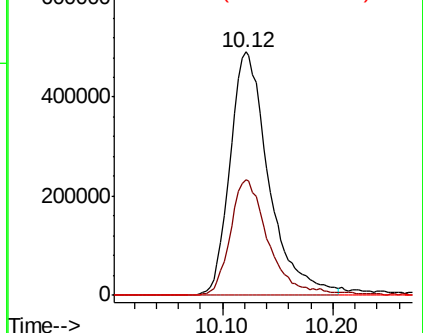
43 100

58 47.2 41.1 61.7

98 0.6 0.1 0.1#



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



#52

Tetrachloroethene

Concen: 9.495 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Tgt Ion: 164 Resp: 1360881

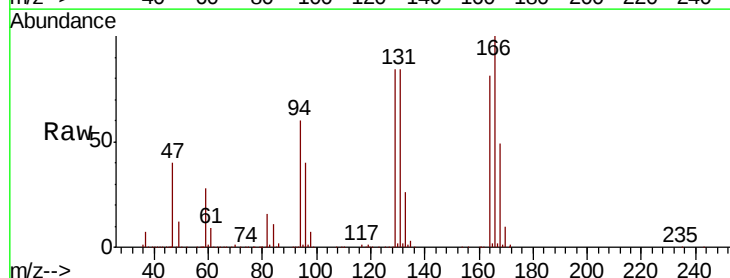
Ion Ratio Lower Upper

164 100

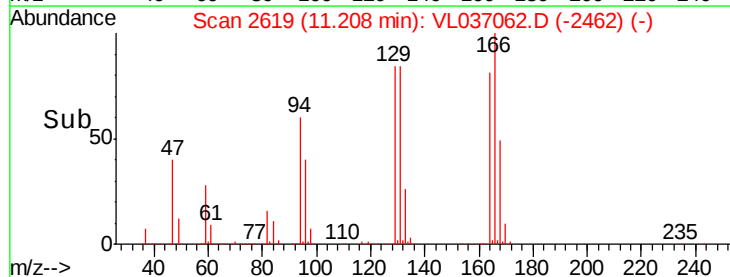
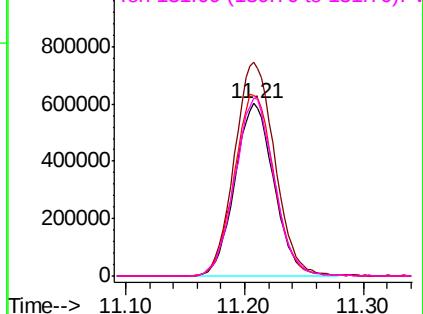
166 123.8 105.5 158.3

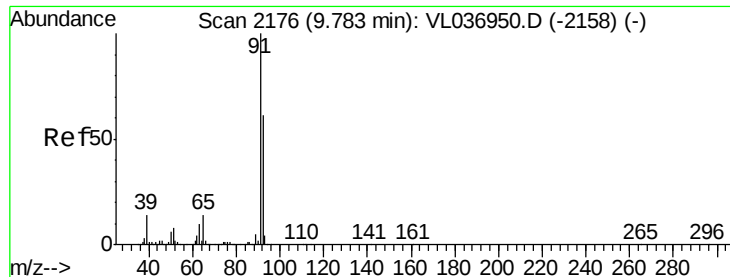
129 104.3 81.8 122.8

131 103.5 81.2 121.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.187 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

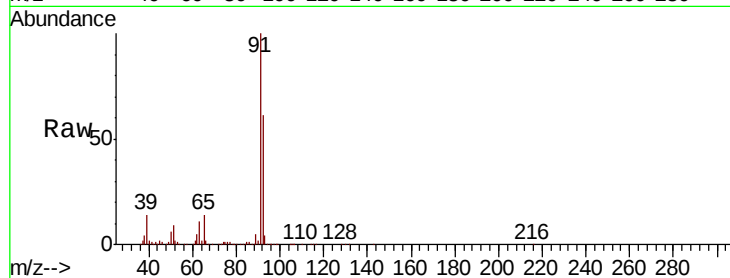
VSTDCCC010EC

Tot Ion: 91 Resp: 3940204

Ion Ratio Lower Upper

91 100

92 60.9 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.79

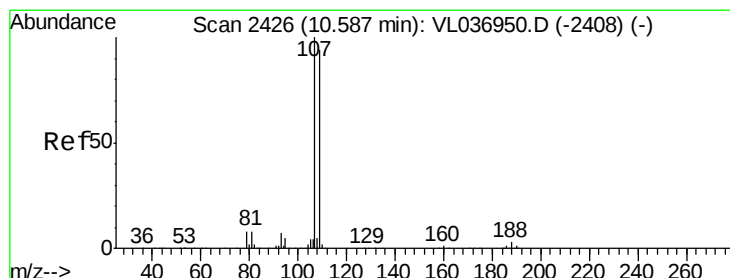
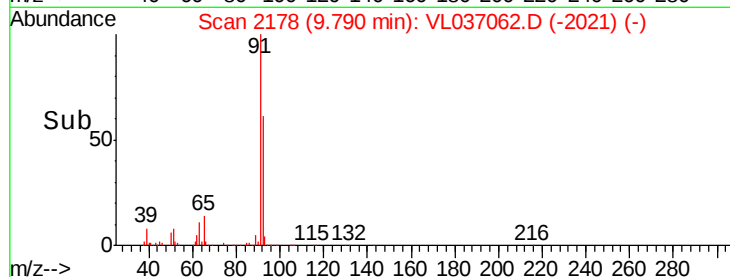
1500000

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 10.242 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL037062.D

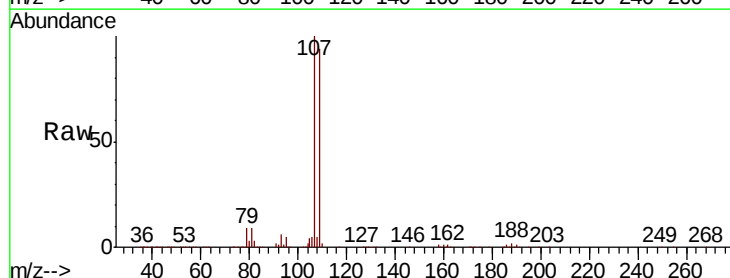
Acq: 25 May 2021 15:54

Tgt Ion: 107 Resp: 2115942

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.60

1000000

800000

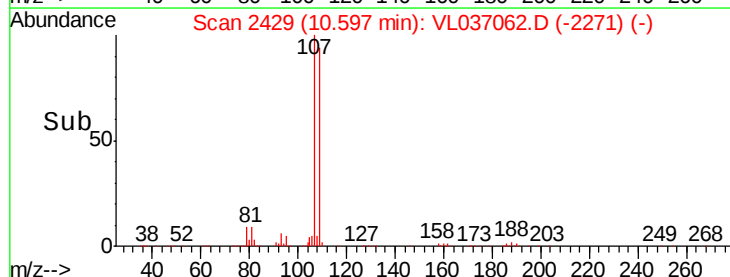
600000

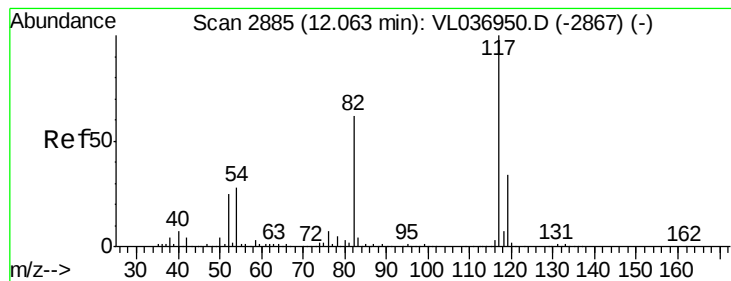
400000

200000

0

Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

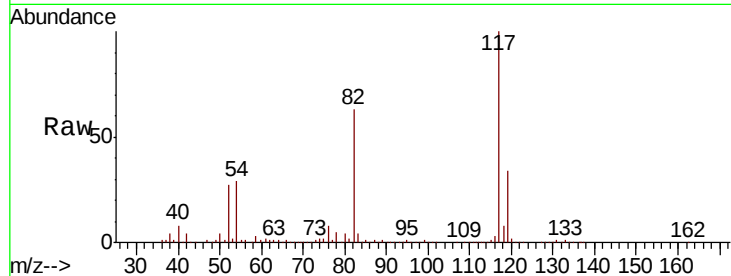
Tot Ion:117 Resp: 4932840

Ion Ratio Lower Upper

117 100

82 51.2 52.6 79.0#

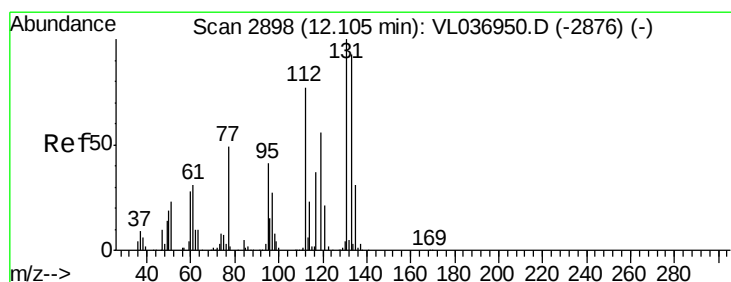
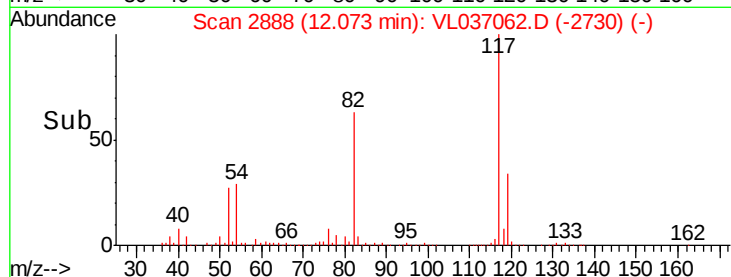
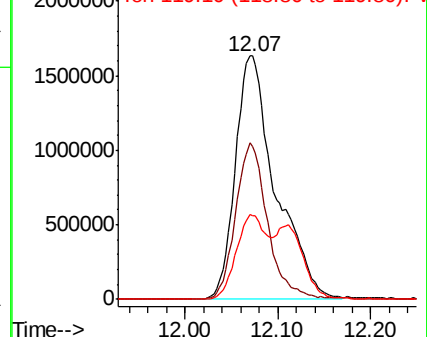
119 48.2 46.6 70.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.264 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

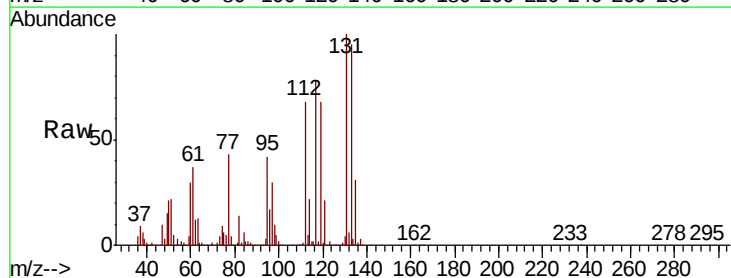
Tgt Ion:131 Resp: 1715351

Ion Ratio Lower Upper

131 100

133 95.4 76.9 115.3

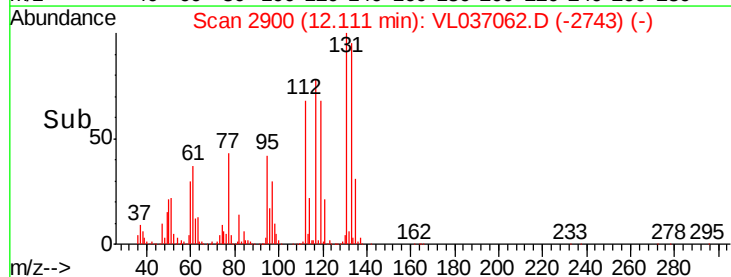
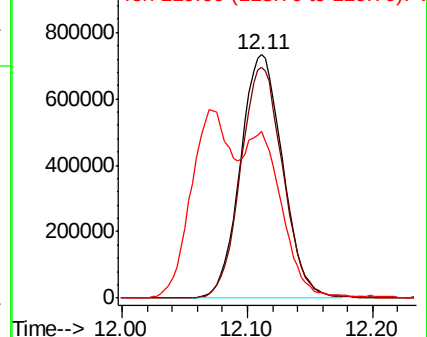
119 58.6 120.2 180.4#

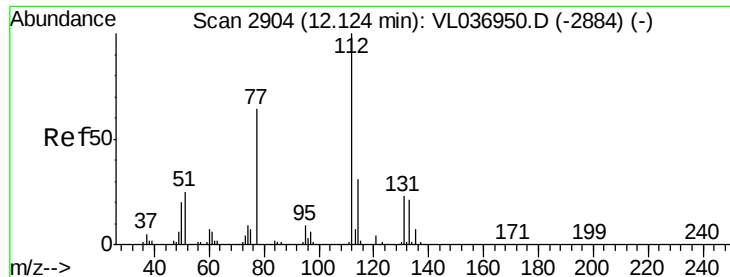


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

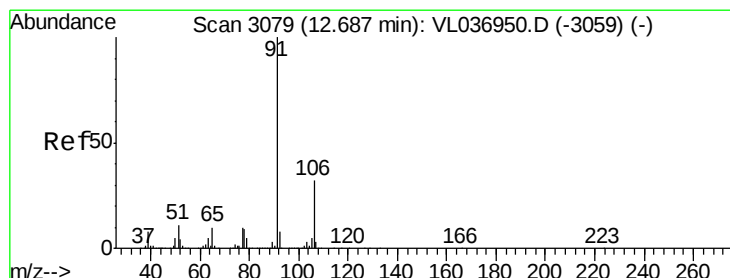
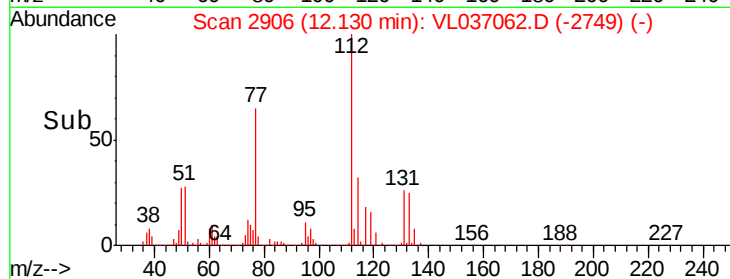
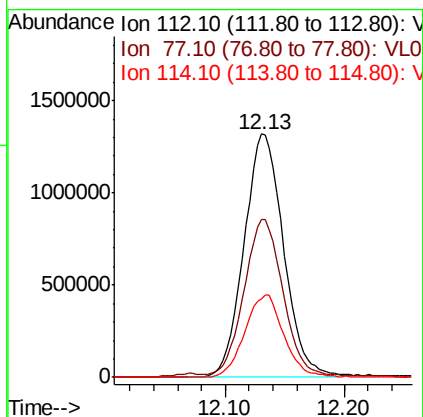
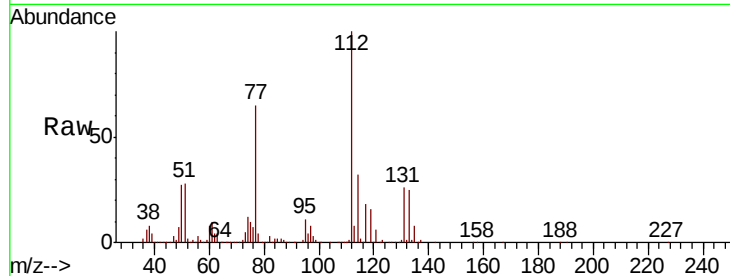




#57
Chlorobenzene
Concen: 7.936 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

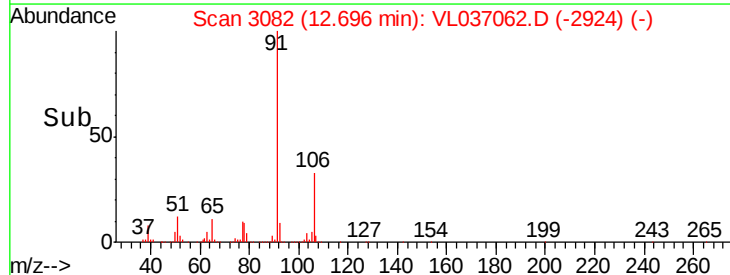
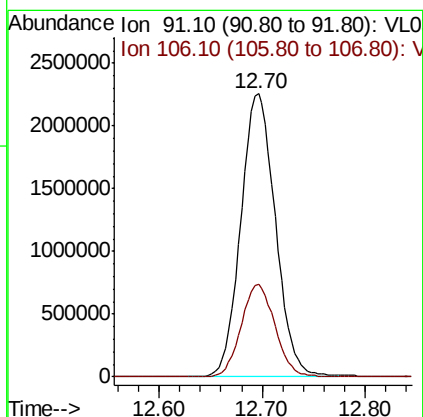
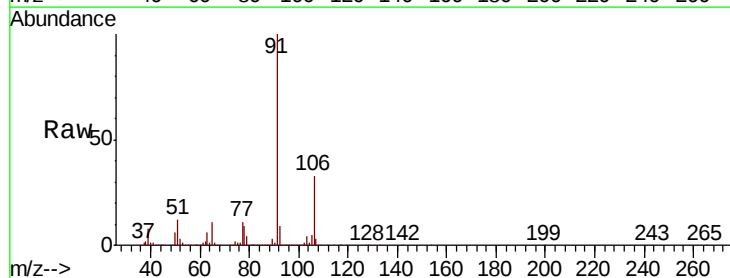
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

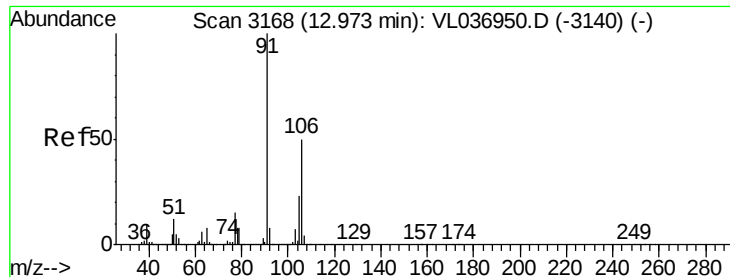
Tot Ion:112 Resp: 3035321
Ion Ratio Lower Upper
112 100
77 63.6 51.0 76.6
114 32.1 28.3 34.5



#58
Ethyl Benzene
Concen: 7.567 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 91 Resp: 5268324
Ion Ratio Lower Upper
91 100
106 32.9 25.6 38.4

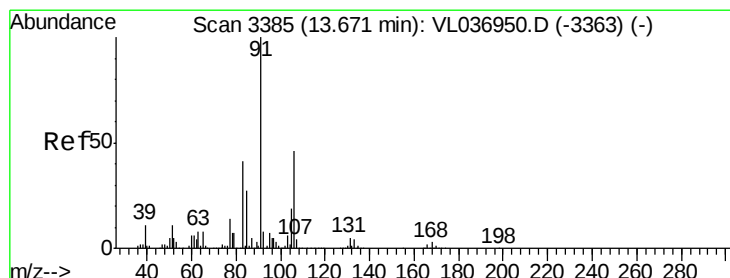
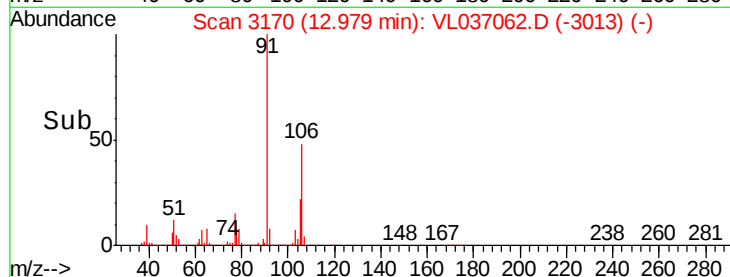
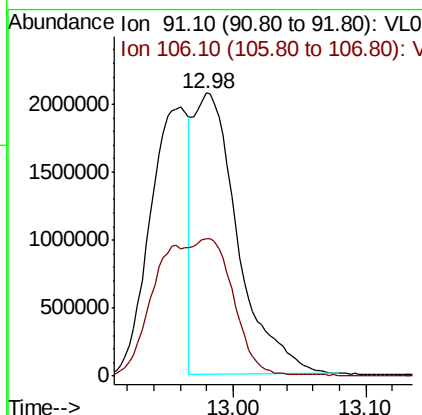
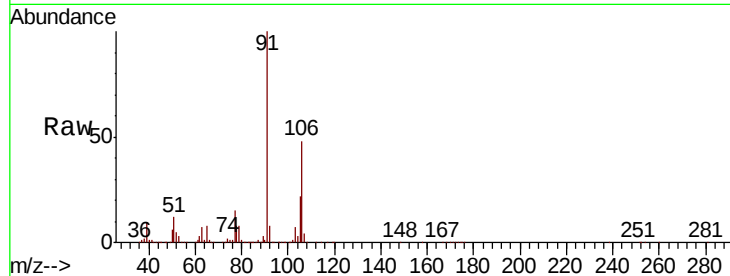




#59
m/p-Xylene
Concen: 8.332 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

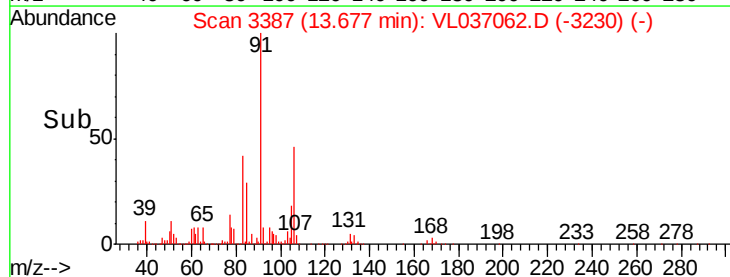
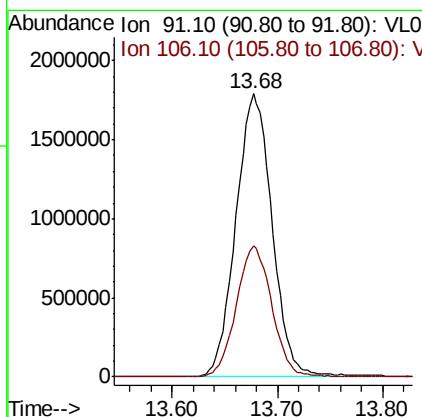
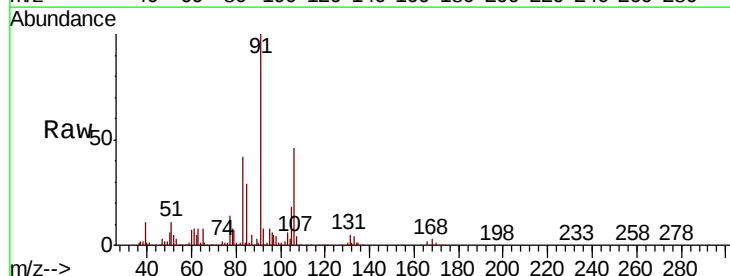
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

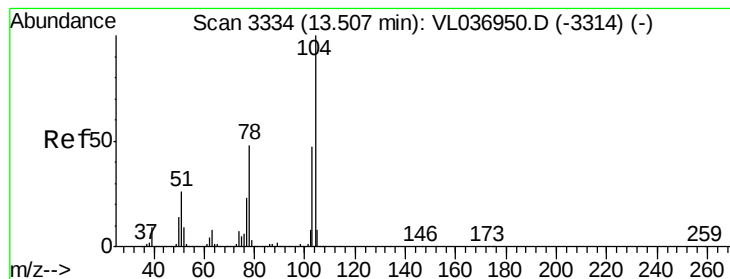
Tot Ion: 91 Resp: 4794802
Ion Ratio Lower Upper
91 100
106 85.4 37.4 56.2#



#60
o-Xylene
Concen: 7.732 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 91 Resp: 4243793
Ion Ratio Lower Upper
91 100
106 46.1 23.4 70.3





#61

Stvrene

Concen: 8.140 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

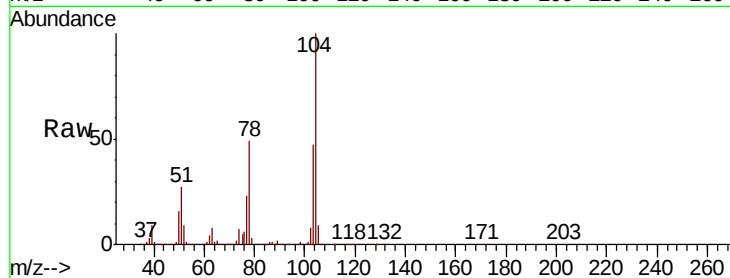
Tot Ion:104 Resp: 2516974

Ion Ratio Lower Upper

104 100

78 50.4 39.0 58.6

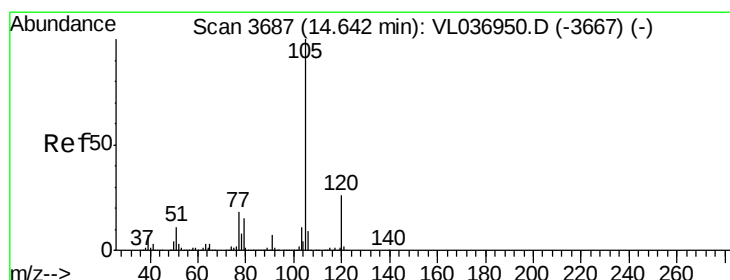
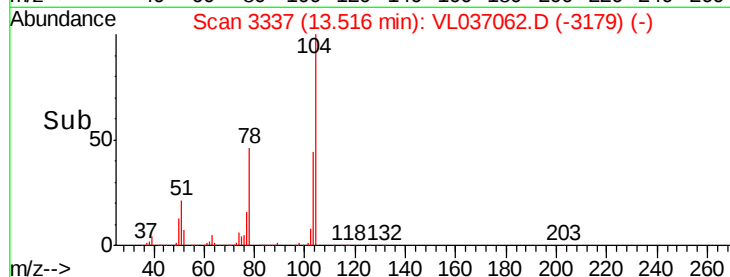
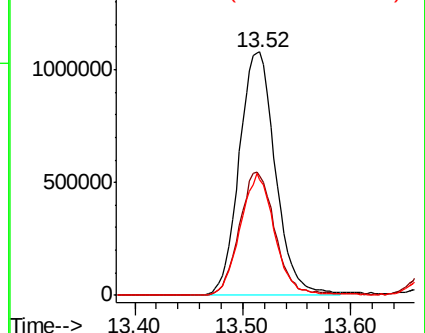
103 47.8 38.0 57.0



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



#62

Isopropylbenzene

Concen: 7.552 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.01 min

Lab File: VL037062.D

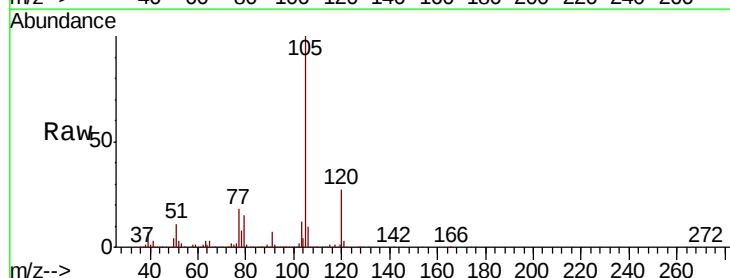
Acq: 25 May 2021 15:54

Tgt Ion:105 Resp: 5957160

Ion Ratio Lower Upper

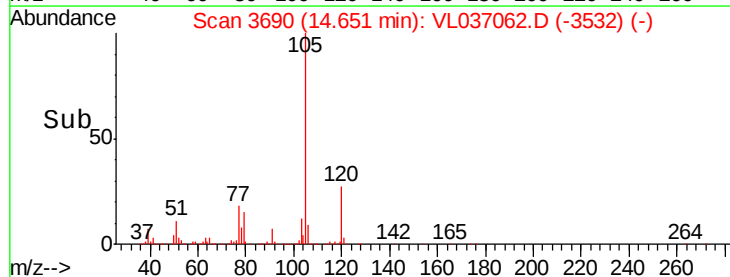
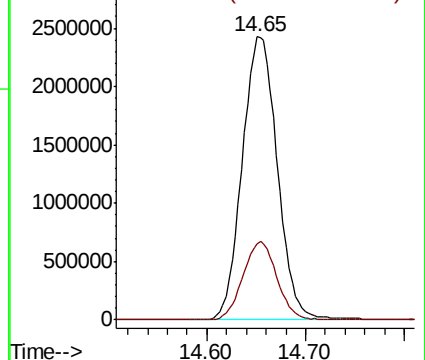
105 100

120 27.0 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.999 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

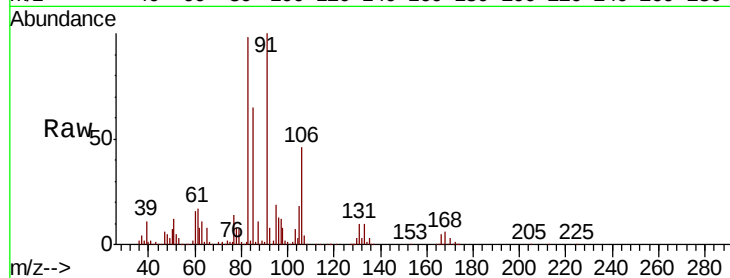
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2868965

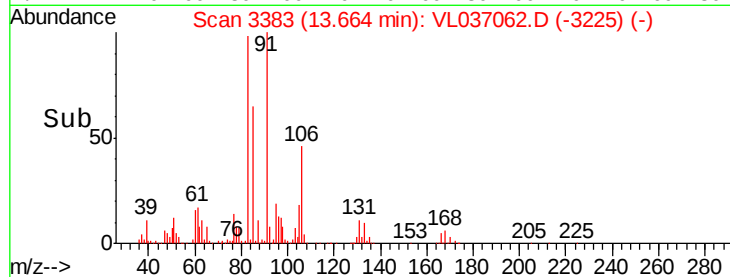
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.0	15.0
85	66.6	32.9	98.6



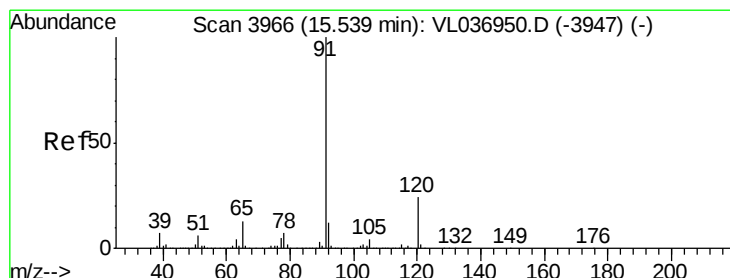
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time-->



#64

n-propylbenzene

Concen: 7.815 ppbv

RT: 15.55 min Scan# 3969

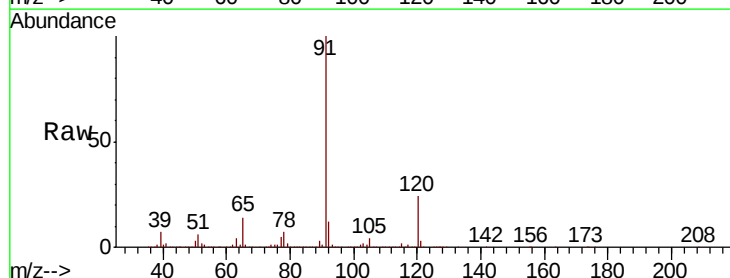
Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

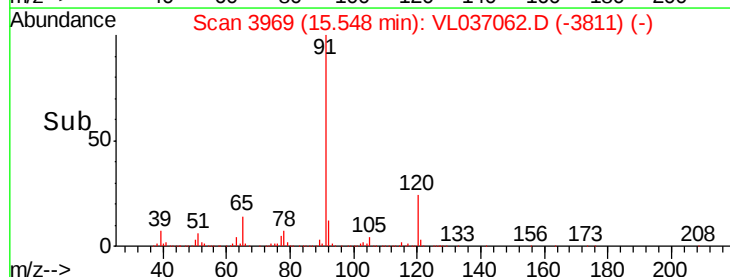
Tgt Ion: 120 Resp: 1590590

Ion	Ratio	Lower	Upper
120	100		
91	435.6	343.8	515.6

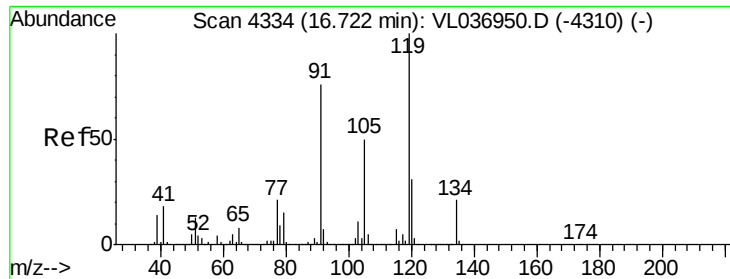


Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0



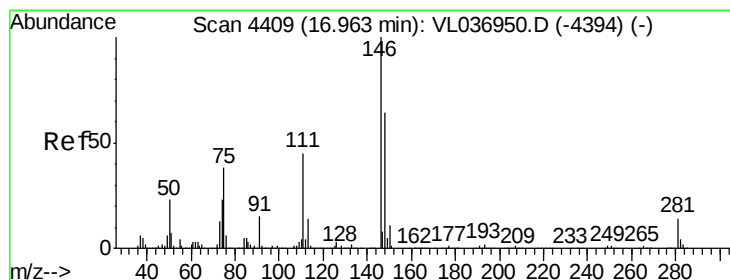
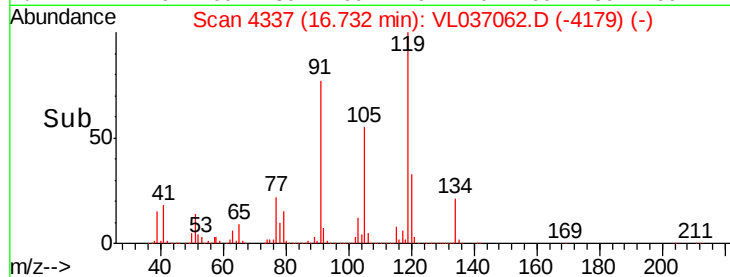
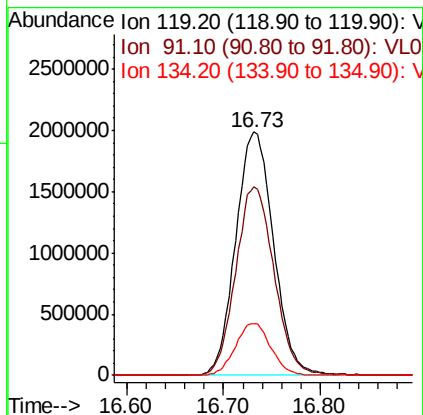
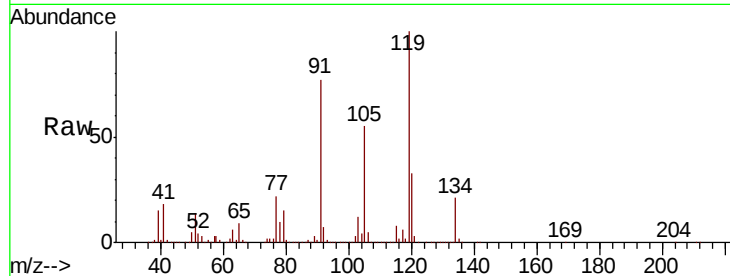
Time-->



#65
 tert-Butylbenzene
 Concen: 7.583 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

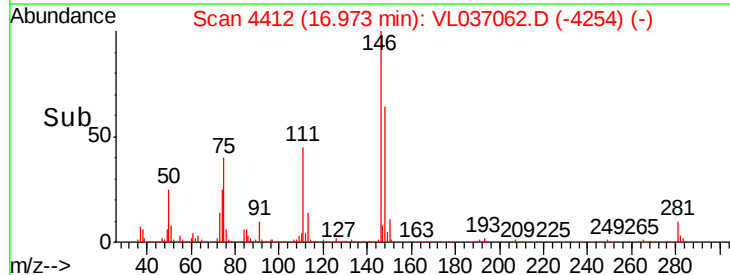
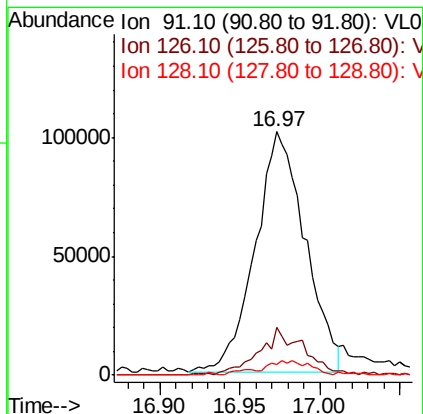
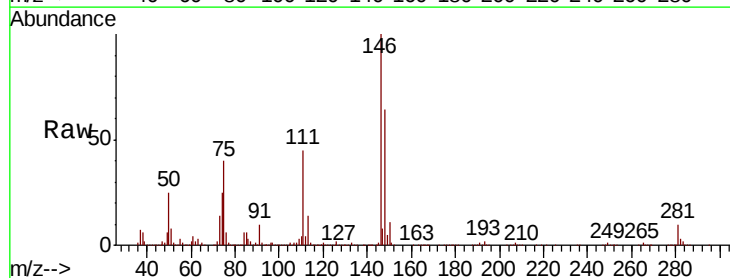
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

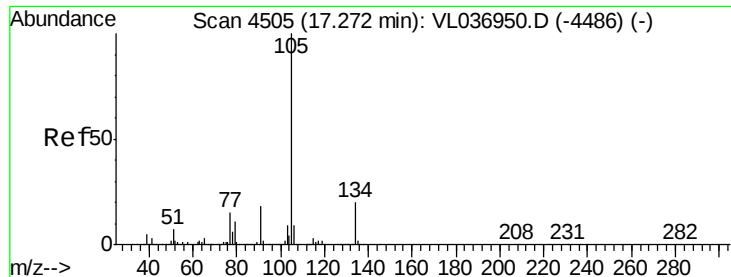
Tot Ion:119 Resp: 5397440
 Ion Ratio Lower Upper
 119 100
 91 78.8 61.9 92.9
 134 20.1 16.2 24.4



#66
 Benzyl Chloride
 Concen: 5.517 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 91 Resp: 217868
 Ion Ratio Lower Upper
 91 100
 126 18.4 16.5 24.7
 128 6.8 5.5 8.3





#67

sec-Butylbenzene

Concen: 7.389 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

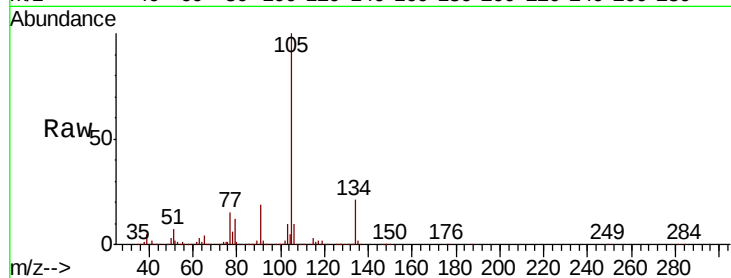
VSTDCCC010EC

Tot Ion:105 Resp: 7174642

Ion Ratio Lower Upper

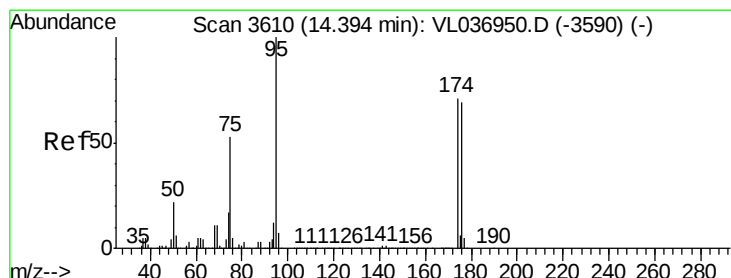
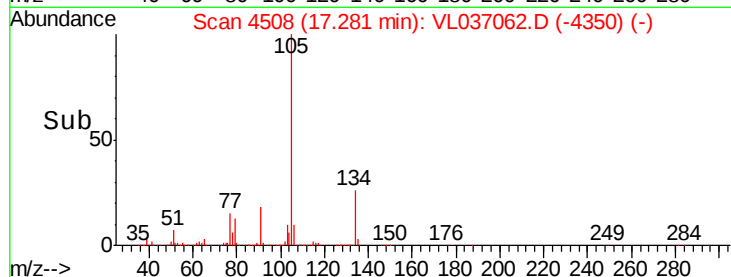
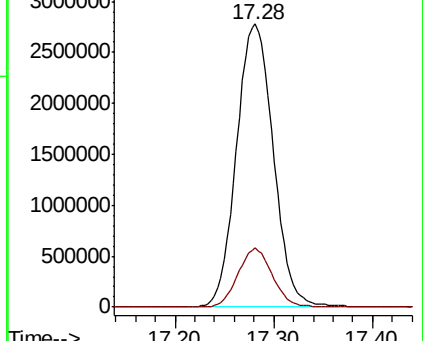
105 100

134 19.8 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.335 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

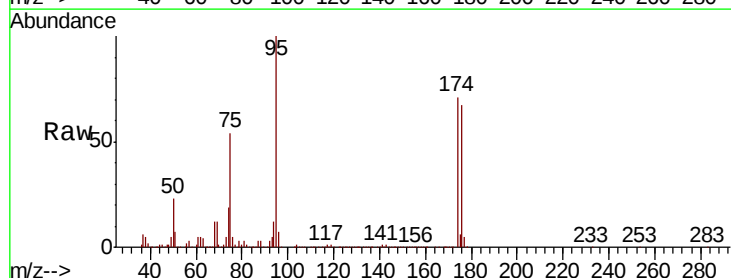
Tgt Ion: 95 Resp: 3088598

Ion Ratio Lower Upper

95 100

174 72.0 58.4 87.6

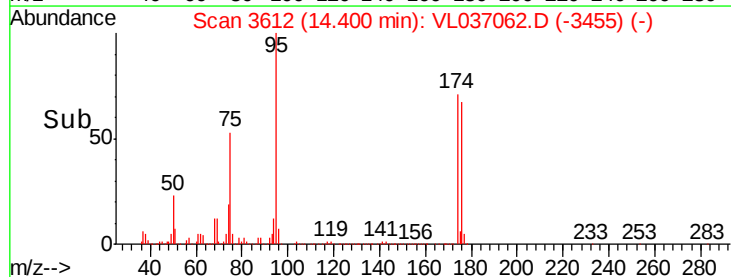
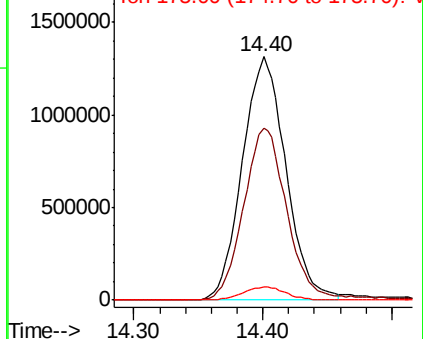
175 5.6 4.4 6.6

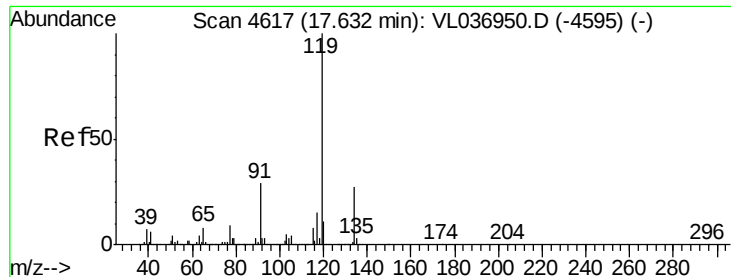


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

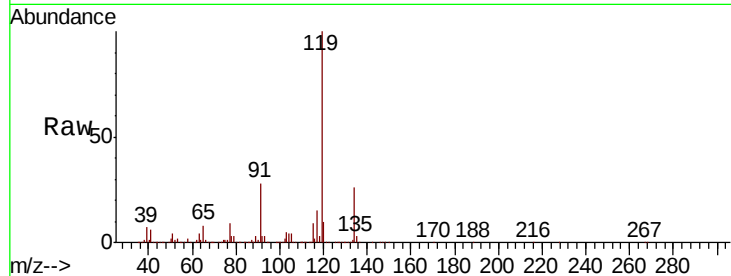




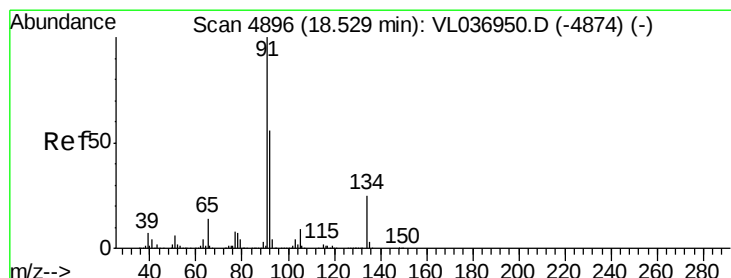
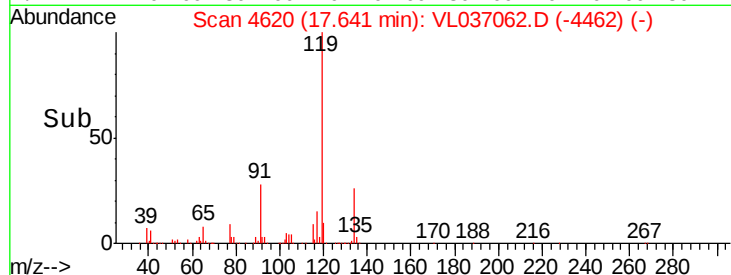
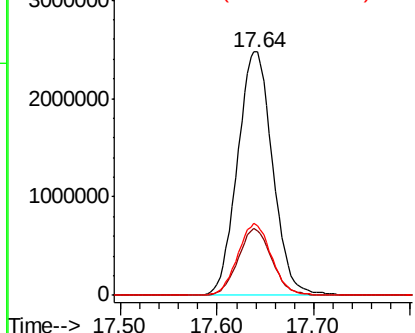
#69
 p-Isopropyltoluene
 Concen: 7.470 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 6236154
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.2 31.8
 91 28.5 22.2 33.4

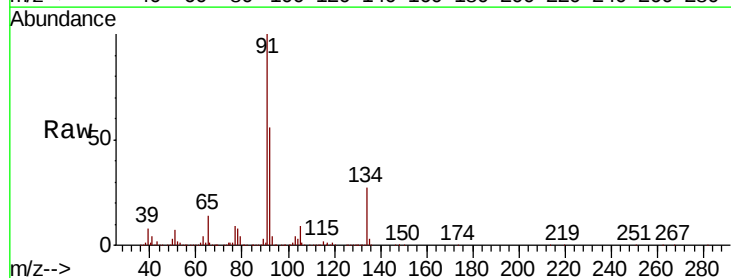


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

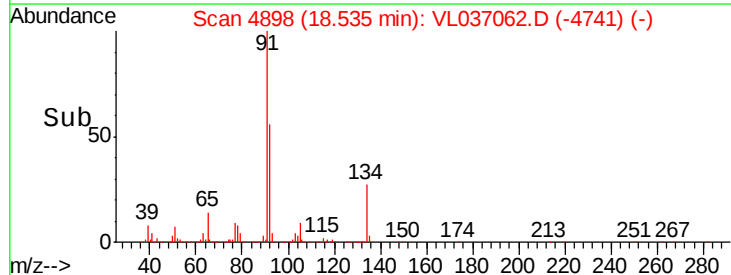
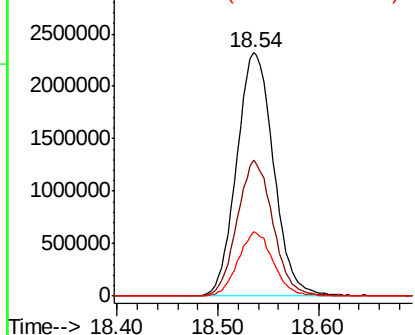


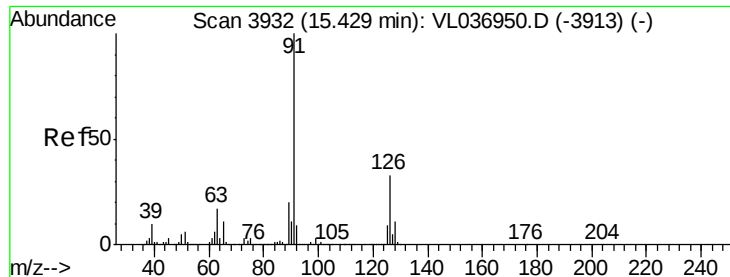
#70
 n-Butylbenzene
 Concen: 7.413 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 91 Resp: 5879486
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.6 66.8
 134 25.2 20.2 30.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

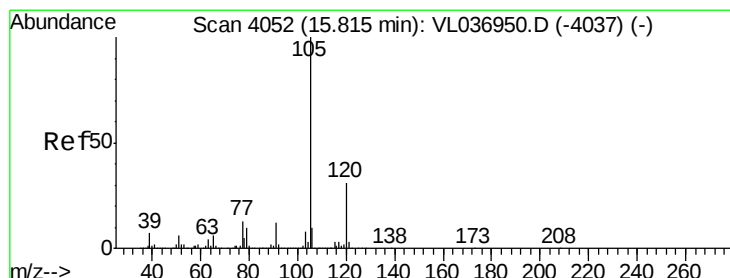
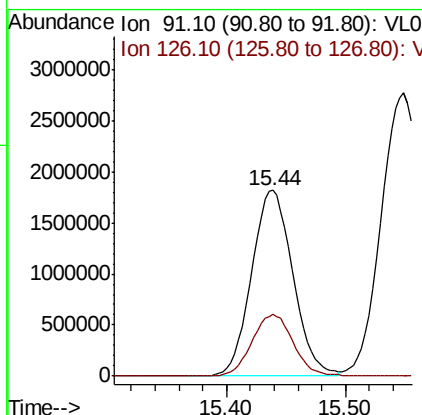
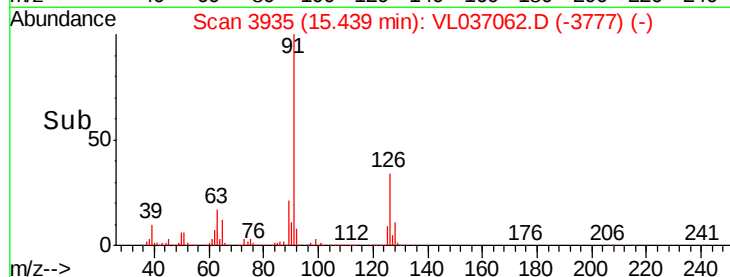
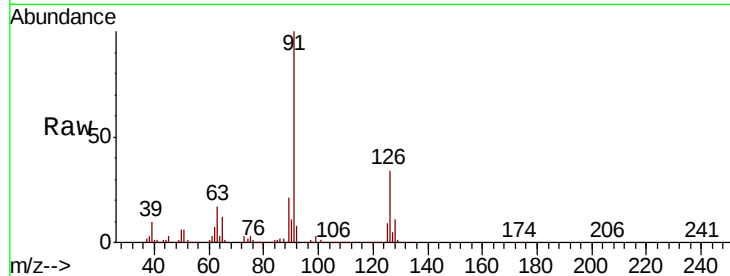




#71
 2-Chlorotoluene
 Concen: 7.667 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

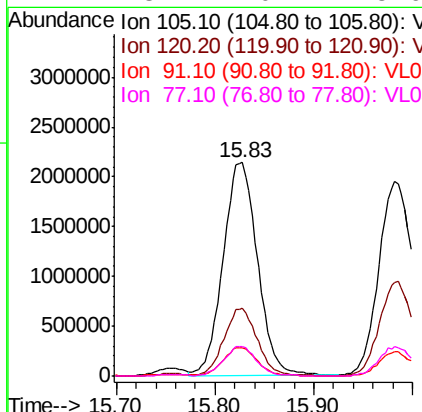
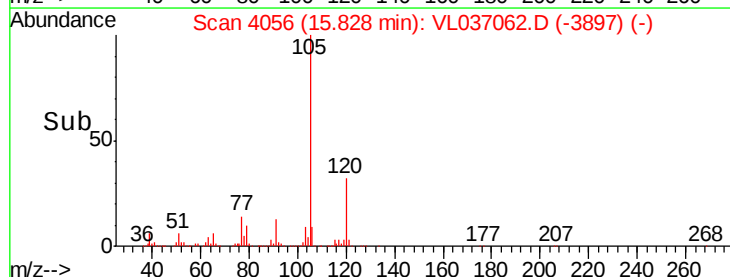
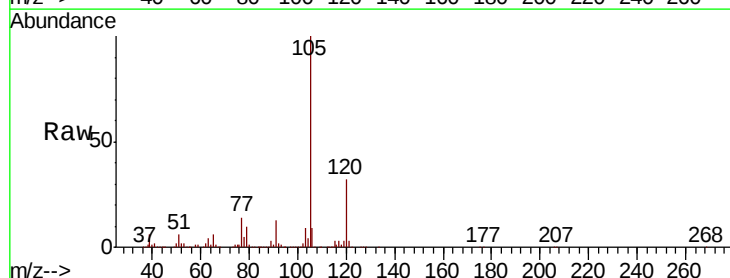
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

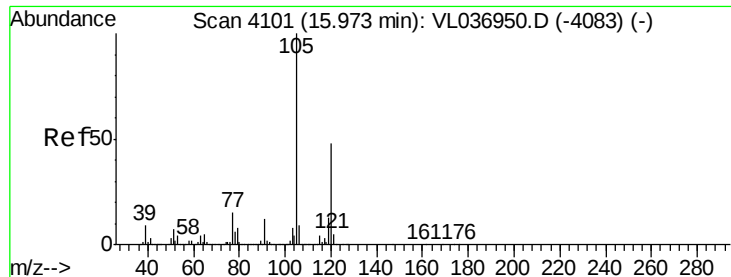
Tot Ion: 91 Resp: 4367983
 Ion Ratio Lower Upper
 91 100
 126 33.8 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 8.004 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 105 Resp: 5214022
 Ion Ratio Lower Upper
 105 100
 120 30.7 24.6 37.0
 91 12.7 9.8 14.6
 77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 7.668 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

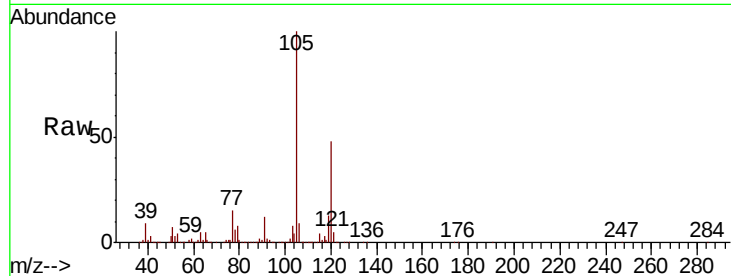
VSTDCCC010EC

Tot Ion:105 Resp: 4691044

Ion Ratio Lower Upper

105 100

120 48.4 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

2000000

1500000

1000000

500000

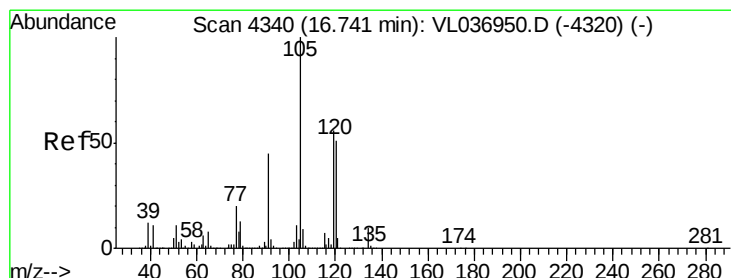
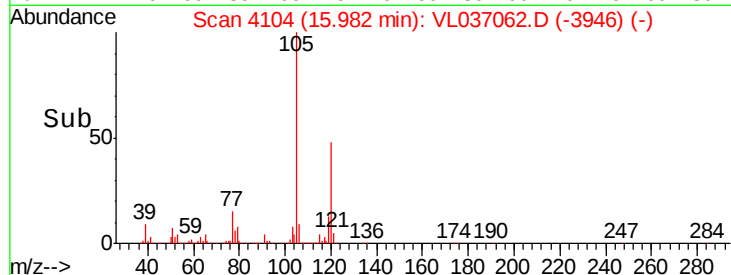
0

Time-->

15.90

16.00

16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.717 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Tgt Ion:105 Resp: 4880963

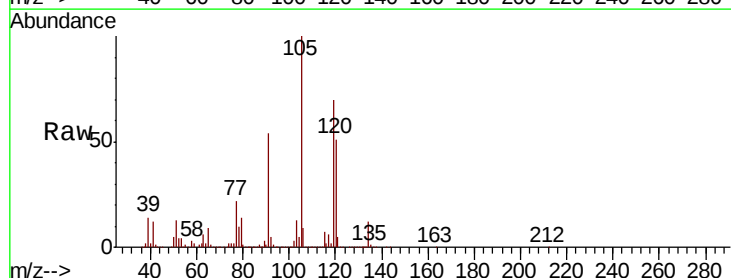
Ion Ratio Lower Upper

105 100

120 50.6 40.6 61.0

91 53.4 37.4 56.0

77 22.2 16.2 24.4



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

3000000

2500000

2000000

1500000

1000000

500000

0

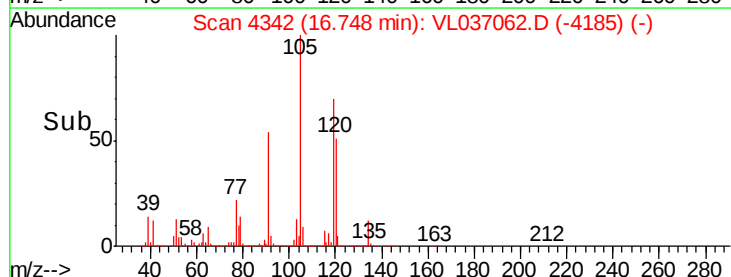
Time-->

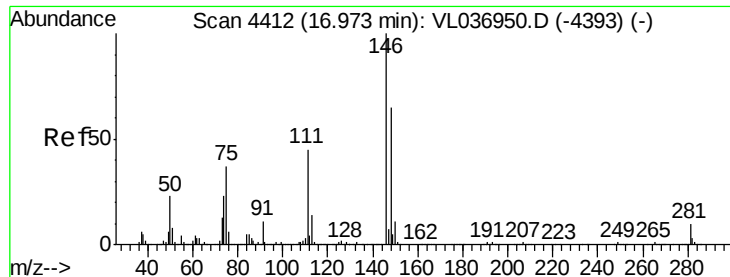
16.60

16.70

16.80

16.90





#75

1,3-Dichlorobenzene

Concen: 7.824 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

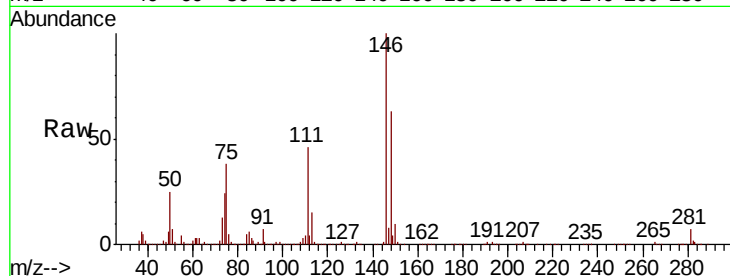
Tot Ion:146 Resp: 3021901

Ion Ratio Lower Upper

146 100

111 45.3 22.2 66.6

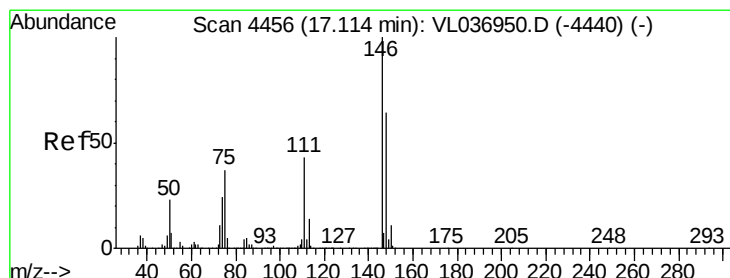
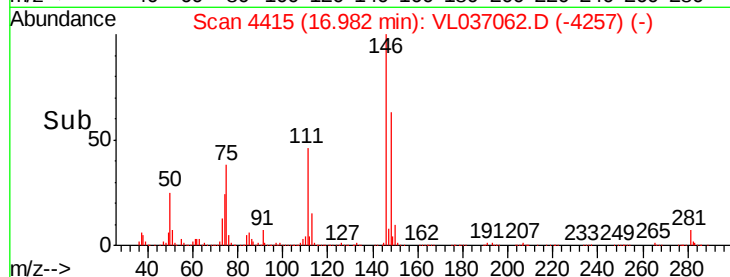
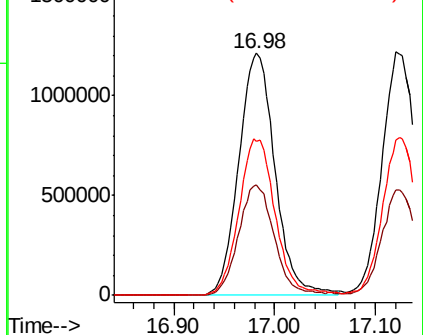
148 64.8 32.3 96.8



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: 7.557 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

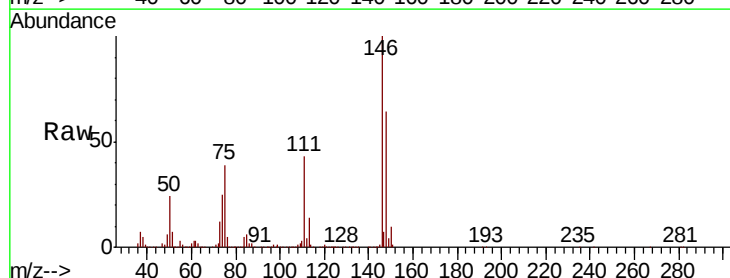
Tgt Ion:146 Resp: 2951099

Ion Ratio Lower Upper

146 100

111 44.8 22.6 67.7

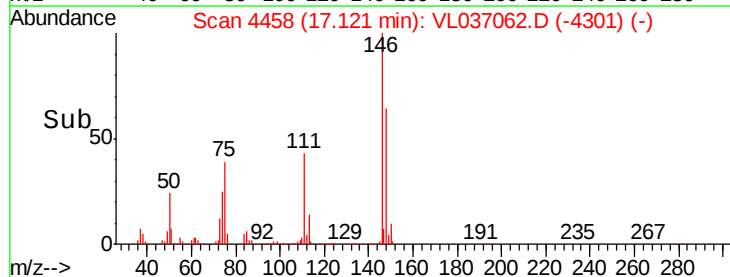
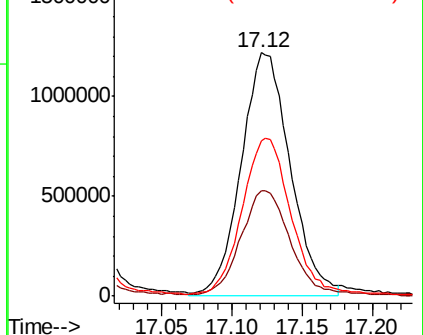
148 66.0 33.5 100.5

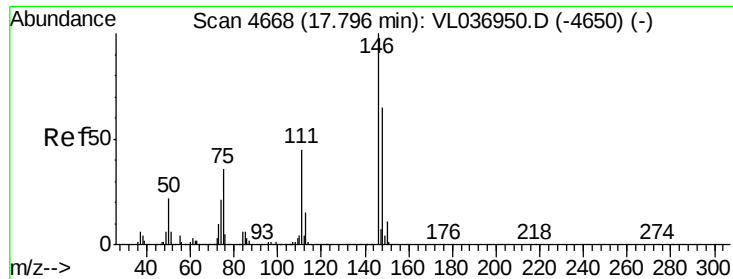


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

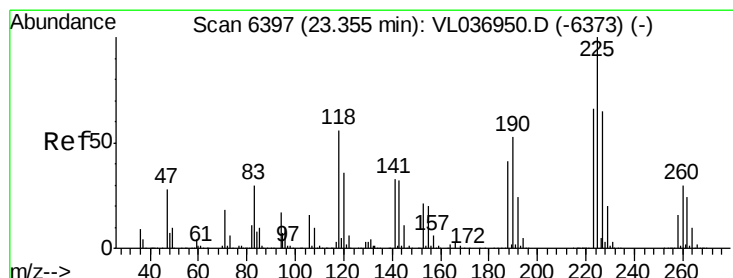
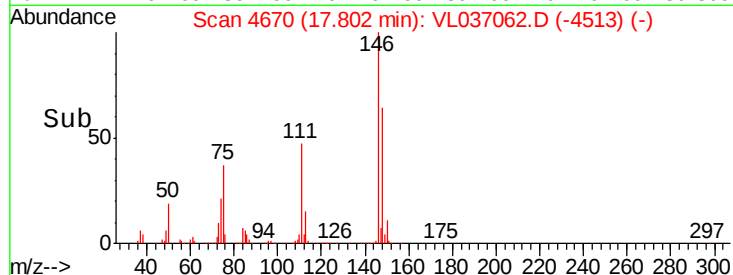
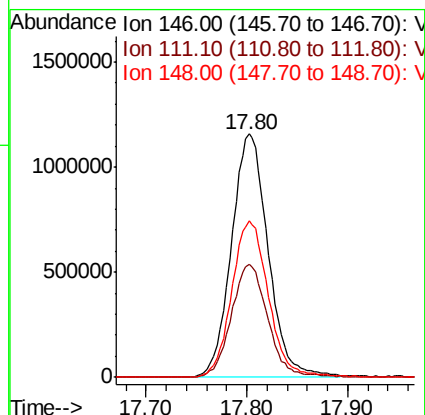
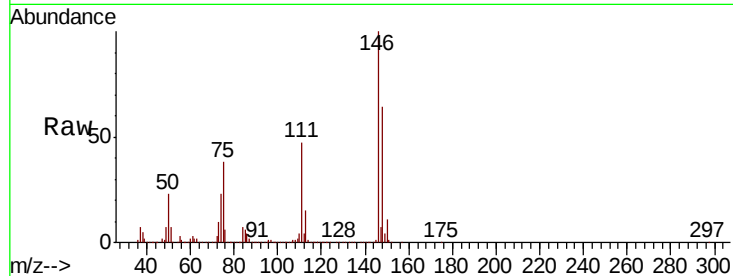




#77
 1,2-Dichlorobenzene
 Concen: 7.499 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

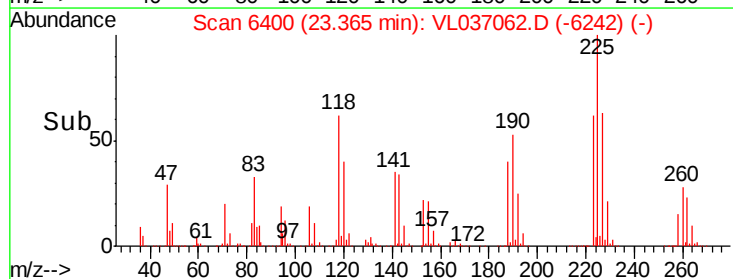
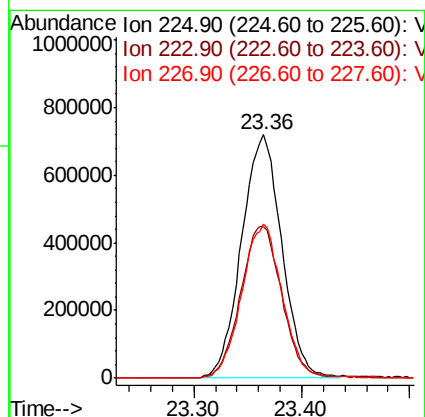
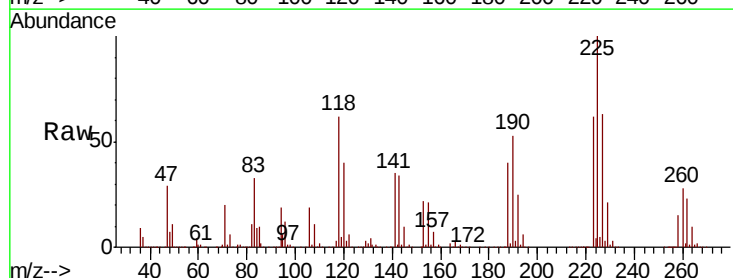
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

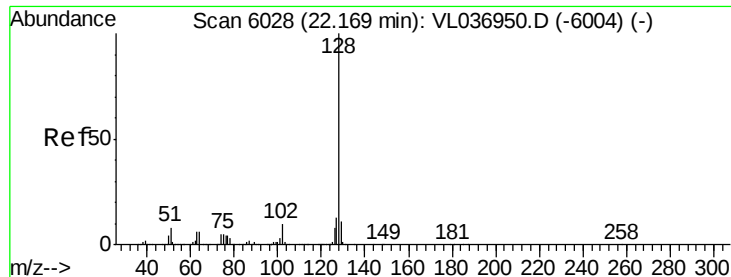
Tot Ion:146 Resp: 2902349
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.1 69.2
 148 64.7 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 5.990 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion:225 Resp: 1864086
 Ion Ratio Lower Upper
 225 100
 223 64.7 51.9 77.9
 227 64.2 51.8 77.6





#79

Naphthalene

Concen: 7.401 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

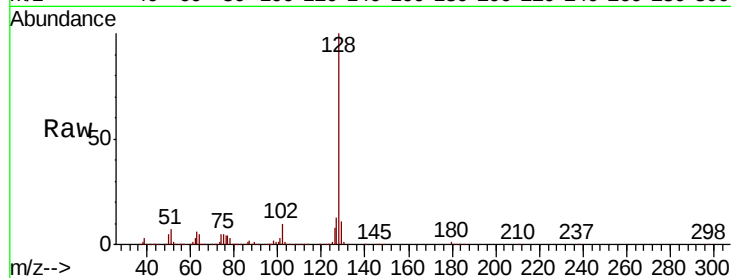
Tot Ion:128 Resp: 3673162

Ion Ratio Lower Upper

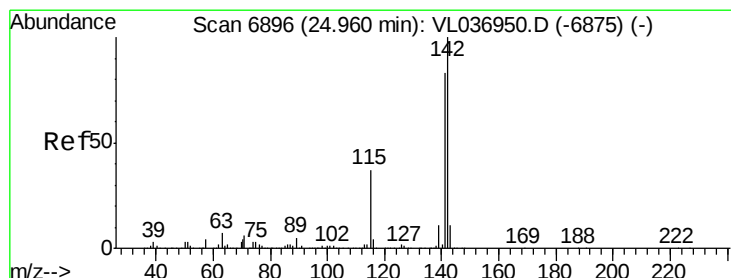
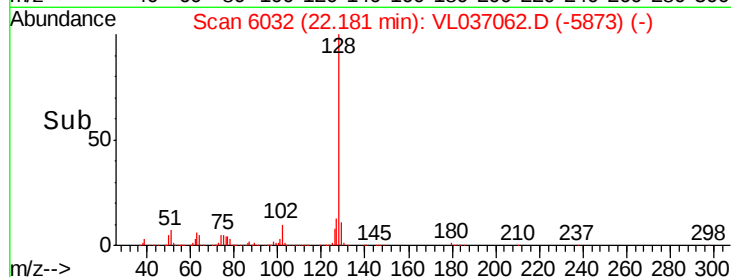
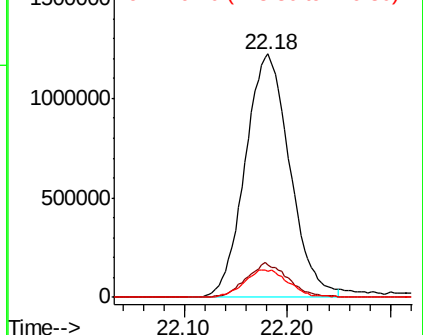
128 100

127 13.3 10.4 15.6

129 10.8 9.0 13.6



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: 10.706 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

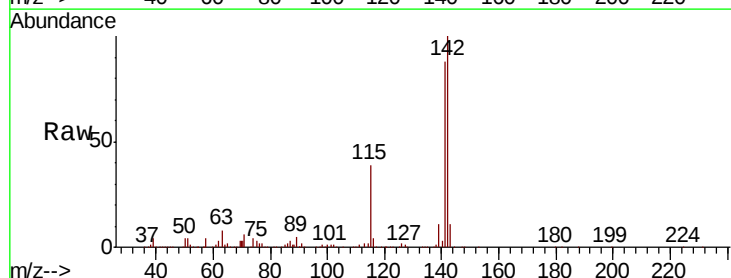
Tgt Ion:142 Resp: 1155360

Ion Ratio Lower Upper

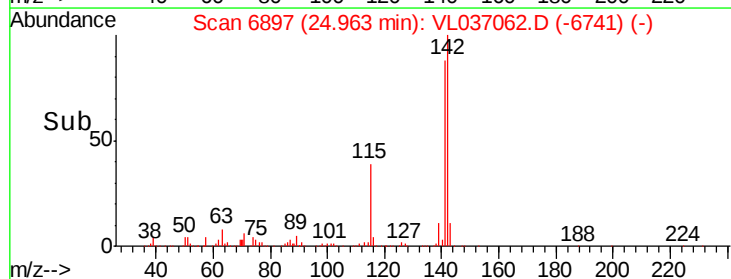
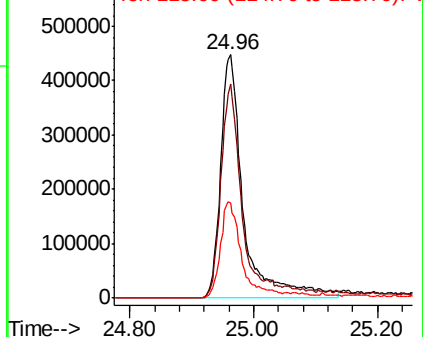
142 100

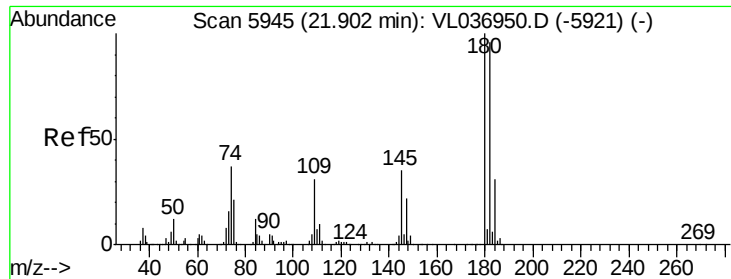
141 84.8 69.3 103.9

115 37.3 29.1 43.7



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

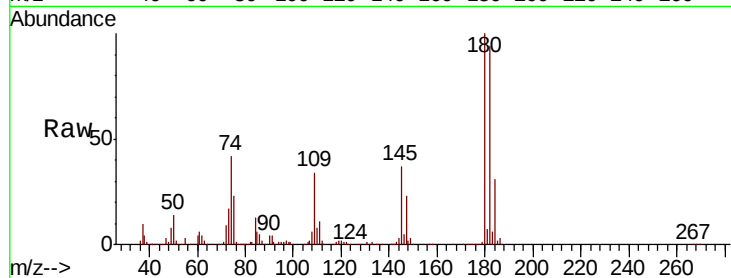




#81
 1,2,4-Trichlorobenzene
 Concen: 7.077 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 2140951
 Ion Ratio Lower Upper
 180 100
 182 96.9 81.7 122.5
 184 31.0 24.9 37.3



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

