

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
 Data File : VL039067.D
 Acq On : 17 May 2022 12:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 18 01:45:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1030436	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2746138	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3174601	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1943765	7.73	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	1259634	7.802	ppbv	100
3) Chlorodifluoromethane	3.00	51	1264728	9.891	ppbv	96
4) Chloromethane	3.16	50	591045	9.230	ppbv	96
5) Vinyl Chloride	3.28	62	586893	10.037	ppbv	99
6) Bromomethane	3.49	94	260747	9.440	ppbv	97
7) Chloroethane	3.57	64	194784	9.953	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	1402443	9.584	ppbv	96
9) Propene	3.02	41	584836	10.474	ppbv	96
10) Heptane	8.14	43	1468080	10.717	ppbv	100
11) Trichlorofluoromethane	3.96	101	1317603	9.512	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	960779	10.068	ppbv	96
13) Ethanol	3.63	45	12757	3.228	ppbv #	31
14) Bromoethene	3.75	108	424772	10.795	ppbv	95
15) Acetone	3.86	43	952784	9.802	ppbv	100
16) 1,3-Butadiene	3.34	39	563249	10.086	ppbv	98
17) tert-Butyl alcohol	4.30	59	848775	11.361	ppbv	98
18) 1,1-Dichloroethene	4.30	96	431159	10.498	ppbv	97
19) Isopropyl Alcohol	3.97	45	493866	10.686	ppbv	99
20) Methylene Chloride	4.36	84	342527	9.350	ppbv	98
21) Allyl Chloride	4.42	41	658369	9.940	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	443104	9.988	ppbv	98
23) Vinyl Acetate	5.09	43	643179	8.363	ppbv #	97
24) 1,1-Dichloroethane	5.02	63	889838	10.048	ppbv	99
25) Ethyl Acetate	5.69	43	2717473	11.681	ppbv	99
26) Hexane	5.70	57	1105176	10.691	ppbv	94
27) Carbon Disulfide	4.56	76	1018436	10.372	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	842536	10.713	ppbv	98
29) Chloroform	5.77	83	1678400	10.036	ppbv	99
30) Cyclohexane	7.15	84	937530	10.833	ppbv	94
31) cis-1,2-Dichloroethene	5.56	61	1077476	10.231	ppbv	91
32) 1,1,1-Trichloroethane	6.53	97	1690427	10.109	ppbv	98
34) 2-Butanone	5.26	43	1355071	9.672	ppbv	97
35) Carbon Tetrachloride	7.03	117	1694865	9.367	ppbv	98
36) Benzene	6.91	78	2284800	9.722	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1260555	8.669	ppbv	98
38) Trichloroethene	7.85	130	871075	8.338	ppbv	97
39) 1,2-Dichloropropane	7.63	63	888277	9.714	ppbv	95
40) 1,4-Dioxane	7.84	88	307395	9.360	ppbv	93
41) Tetrahydrofuran	6.06	42	921899	9.791	ppbv	100
42) Bromodichloromethane	7.81	83	1842476	9.268	ppbv	98
43) Methyl Methacrylate	8.02	69	992185	10.400	ppbv	96

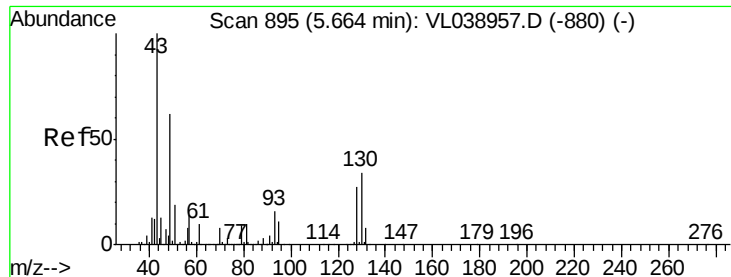
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
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Quant Time: May 18 01:45:06 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3788751	9.188	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	755985	8.186	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1068379	8.724	ppbv	93
47) 1,1,2-Trichloroethane	9.49	97	931901	9.799	ppbv	97
48) Dibromochloromethane	10.32	129	1532344	9.899	ppbv	100
49) Bromoform	13.05	173	1216403	10.304	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2297967	9.354	ppbv	98
51) 2-Hexanone	10.14	43	1719458	9.590	ppbv #	97
52) Tetrachloroethene	11.23	164	779602	9.283	ppbv	98
53) Toluene	9.82	91	2665977	10.121	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1337370	10.329	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.14	131	1129730	8.111	ppbv	95
57) Chlorobenzene	12.16	112	1852053	7.783	ppbv	97
58) Ethyl Benzene	12.72	91	3563665	7.800	ppbv	99
59) m/p-Xylene	13.01	91	2961950	7.594	ppbv #	31
60) o-Xylene	13.70	91	2800213	7.628	ppbv	100
61) Styrene	13.54	104	1593713	8.132	ppbv	97
62) Isopropylbenzene	14.68	105	4244562	7.907	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	1917500	8.871	ppbv	100
64) n-propylbenzene	15.57	120	1067398	8.224	ppbv	99
65) tert-Butylbenzene	16.75	119	3654778	7.770	ppbv	96
66) Benzyl Chloride	17.00	91	234669	3.817	ppbv	97
67) sec-Butylbenzene	17.30	105	5263214	7.832	ppbv	100
69) p-Isopropyltoluene	17.66	119	4327163	7.971	ppbv	98
70) n-Butylbenzene	18.56	91	4581111	7.943	ppbv	99
71) 2-Chlorotoluene	15.46	91	3209126	7.755	ppbv	98
72) 4-Ethyltoluene	15.85	105	3283884	7.851	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	2979174	7.911	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	3165841	7.678	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	1821297	8.062	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	1728810	7.779	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	1784187	7.985	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	672627	3.276	ppbv #	20
79) Naphthalene	22.21	128	2562095	7.649	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	660557	6.519	ppbv	94
81) 1,2,4-Trichlorobenzene	21.93	180	1402865	7.148	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 17 May 2022 12:25

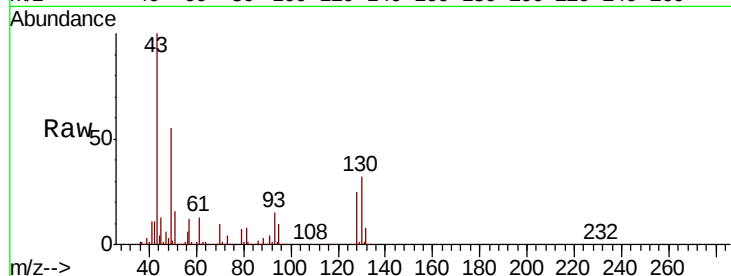
Tot Ion: 49 Resp: 1030436

Ion	Ratio	Lower	Upper
49	100		
128	48.8	23.3	69.8
130	63.0	29.8	89.3

49 100

128 48.8 23.3 69.8

130 63.0 29.8 89.3



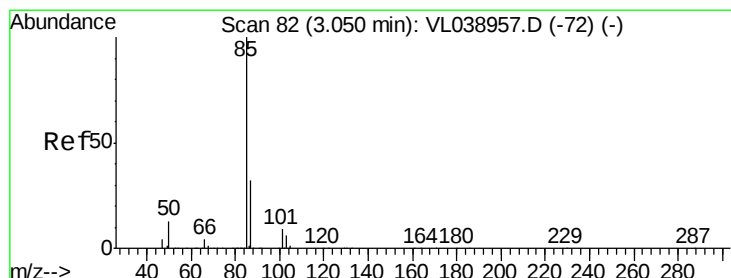
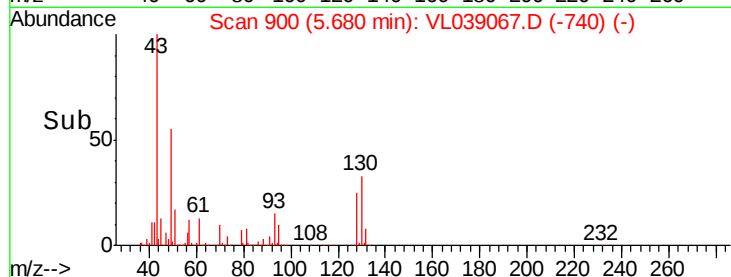
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 7.802 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL039067.D

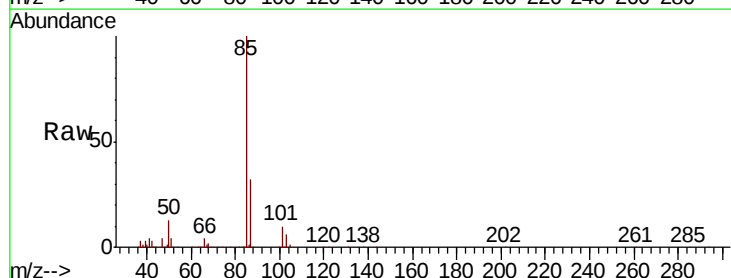
Acq: 17 May 2022 12:25

Tgt Ion: 85 Resp: 1259634

Ion	Ratio	Lower	Upper
85	100		
87	32.0	25.7	38.5

85 100

87 32.0 25.7 38.5

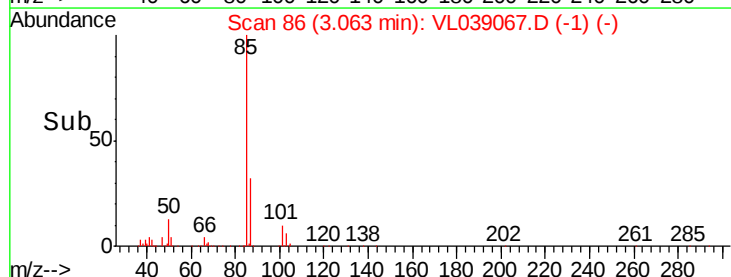


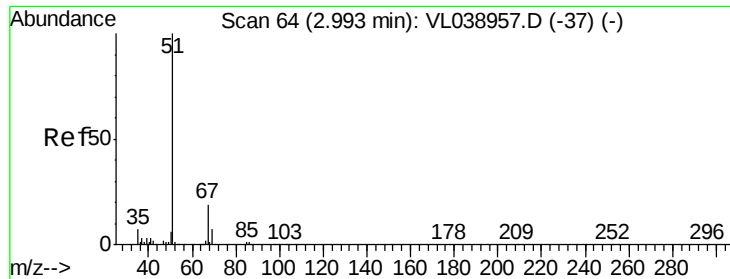
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.06

Time-->





#3

Chlorodifluoromethane

Concen: 9.891 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

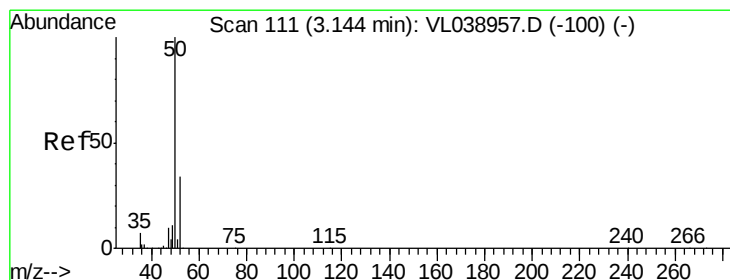
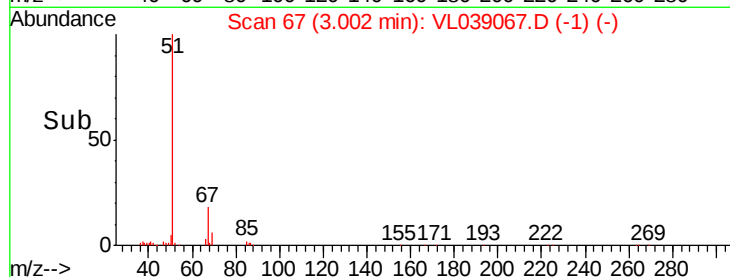
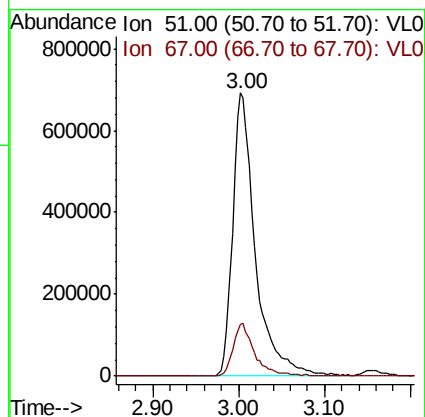
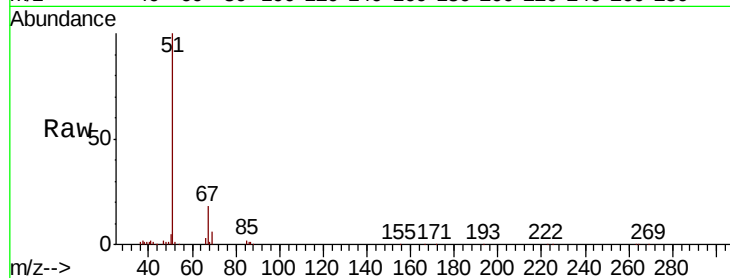
Acq: 17 May 2022 12:25 VSTDCCC010

Tot Ion: 51 Resp: 1264728

Ion Ratio Lower Upper

51 100

67 17.9 15.8 23.8



#4

Chloromethane

Concen: 9.230 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL039067.D

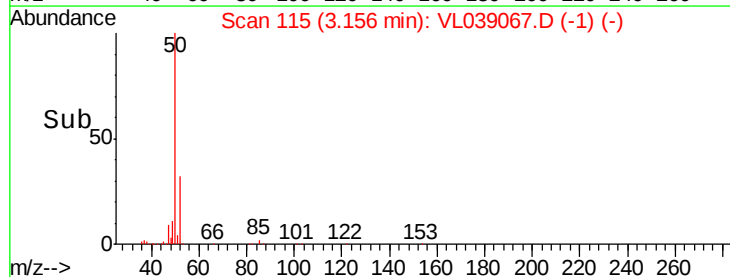
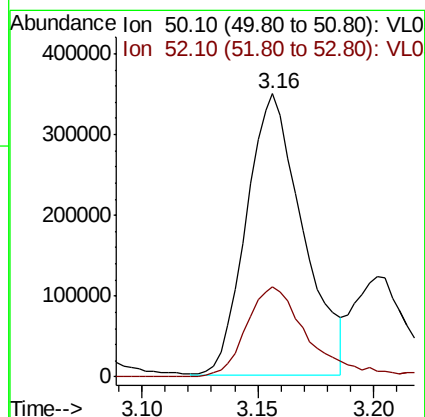
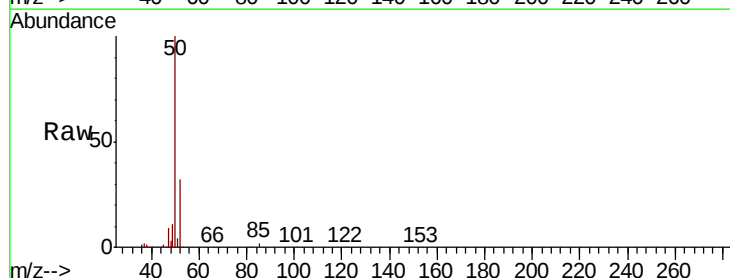
Acq: 17 May 2022 12:25

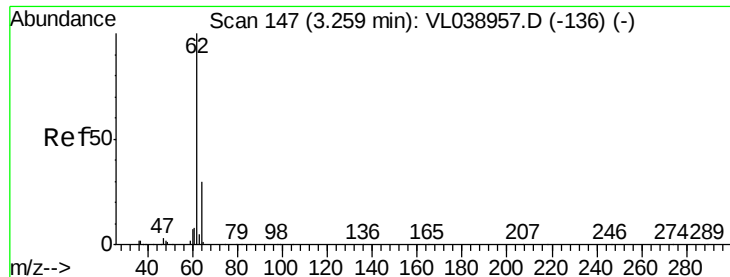
Tgt Ion: 50 Resp: 591045

Ion Ratio Lower Upper

50 100

52 32.1 27.3 40.9





#5

Vinyl Chloride

Concen: 10.037 ppbv

RT: 3.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDCCC010

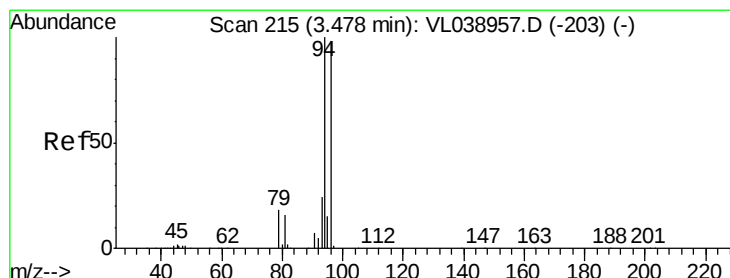
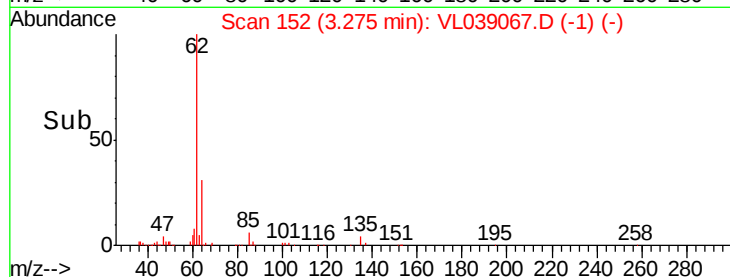
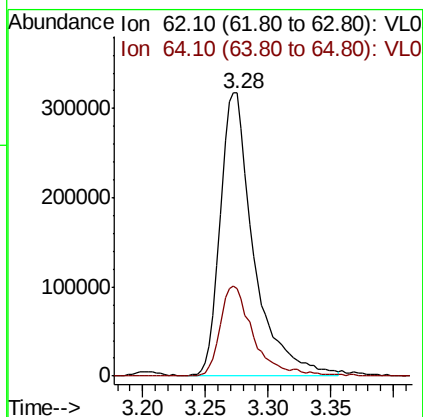
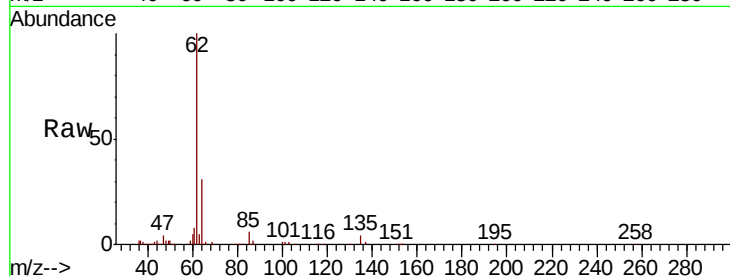
Acq: 17 May 2022 12:25

Tot Ion: 62 Resp: 586893

Ion Ratio Lower Upper

62 100

64 31.0 24.2 36.4



#6

Bromomethane

Concen: 9.440 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL039067.D

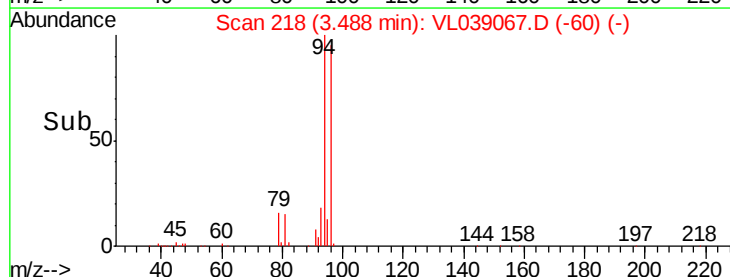
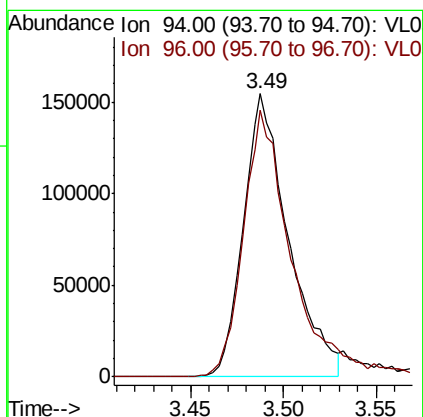
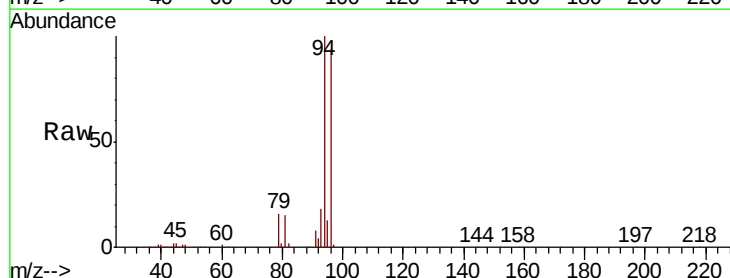
Acq: 17 May 2022 12:25

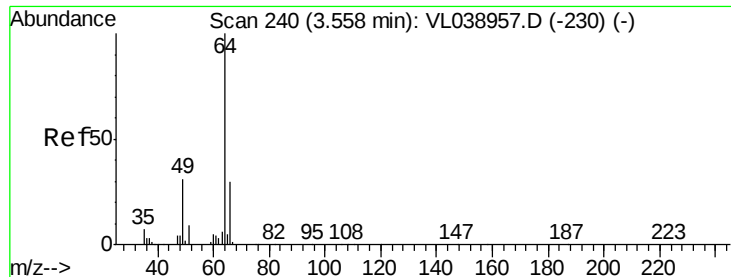
Tgt Ion: 94 Resp: 260747

Ion Ratio Lower Upper

94 100

96 94.4 78.1 117.1





#7

Chloroethane

Concen: 9.953 ppbv

RT: 3.57 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

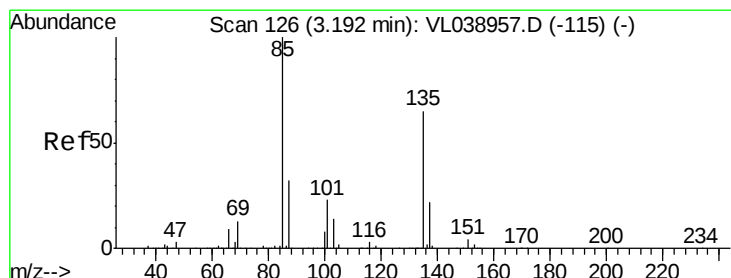
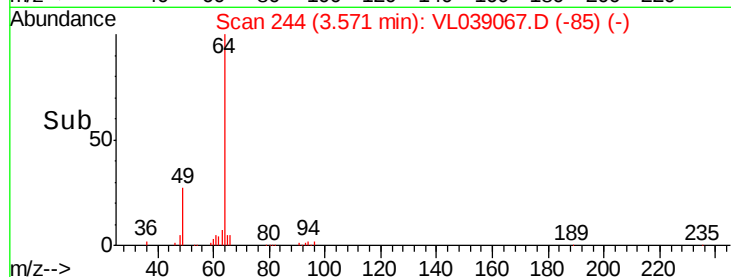
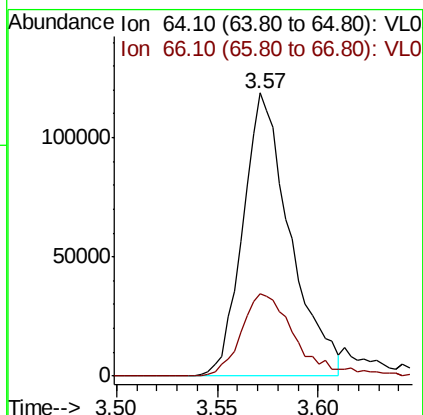
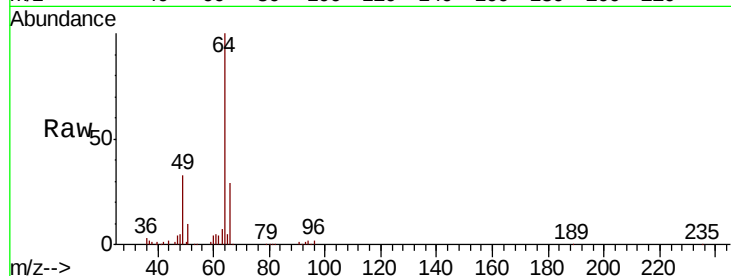
Acq: 17 May 2022 12:25

Tot Ion: 64 Resp: 194784

Ion Ratio Lower Upper

64 100

66 29.0 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 9.584 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL039067.D

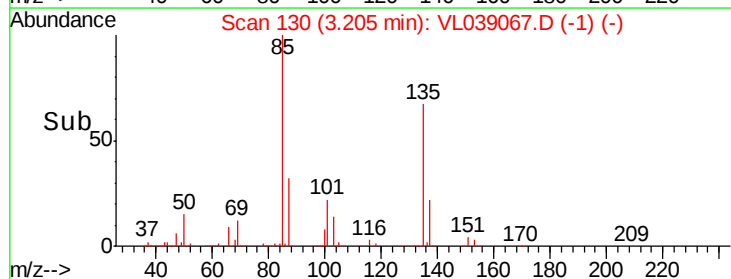
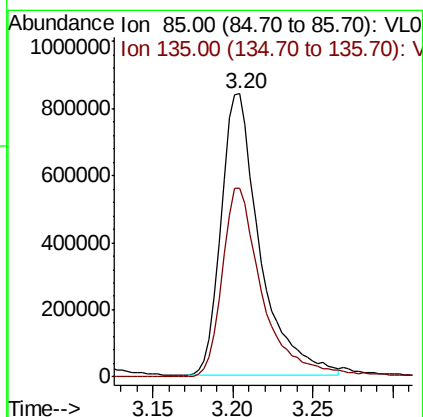
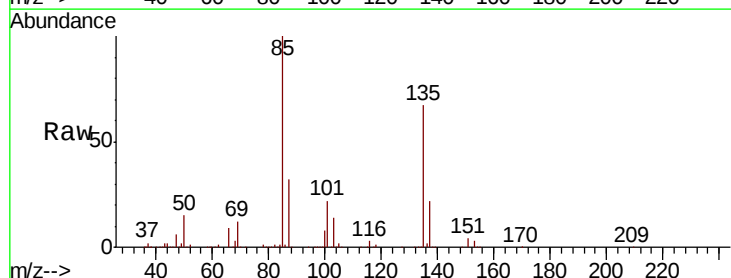
Acq: 17 May 2022 12:25

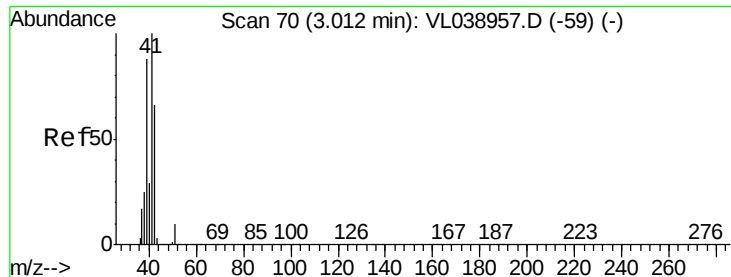
Tgt Ion: 85 Resp: 1402443

Ion Ratio Lower Upper

85 100

135 70.4 53.6 80.4





#9

Propene

Concen: 10.474 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: ClientSampleId: VSTDCCC010

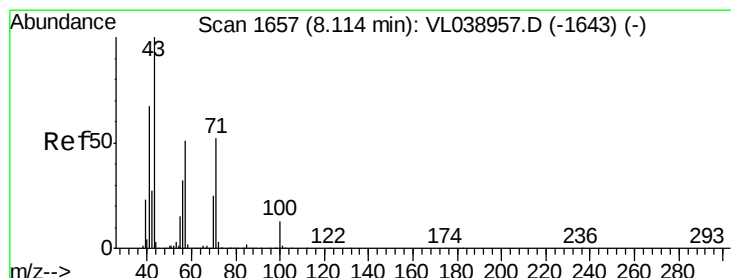
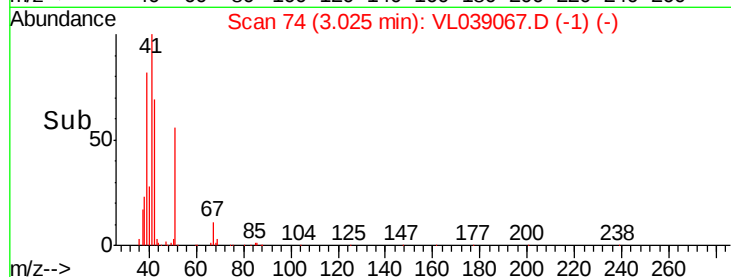
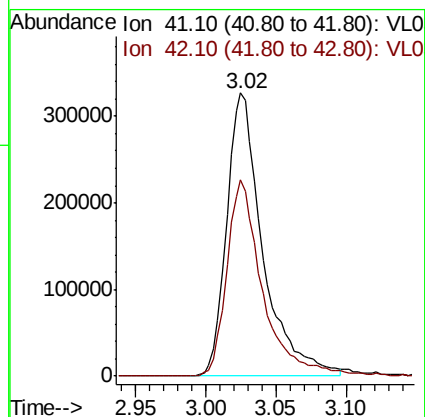
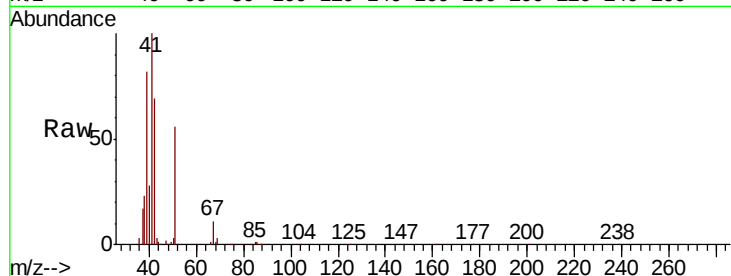
Acq: 17 May 2022 12:25

Tot Ion: 41 Resp: 584836

Ion Ratio Lower Upper

41 100

42 69.3 58.3 87.5



#10

Heptane

Concen: 10.717 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.02 min

Lab File: VL039067.D

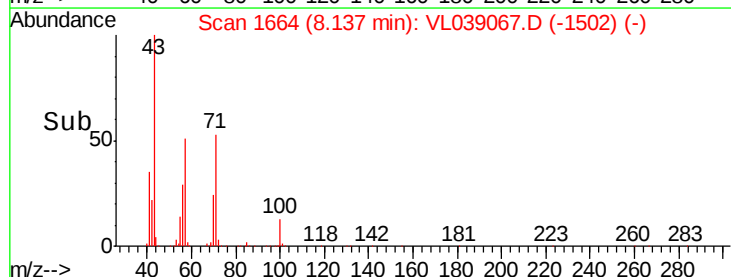
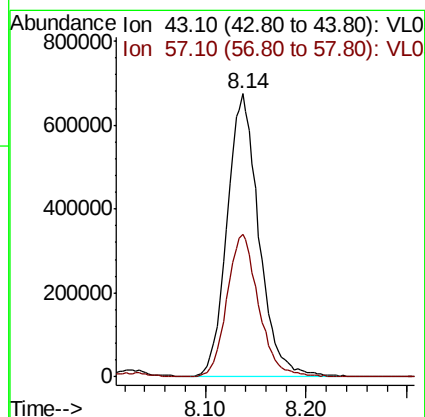
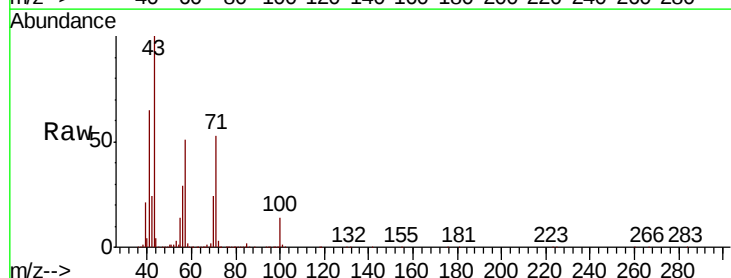
Acq: 17 May 2022 12:25

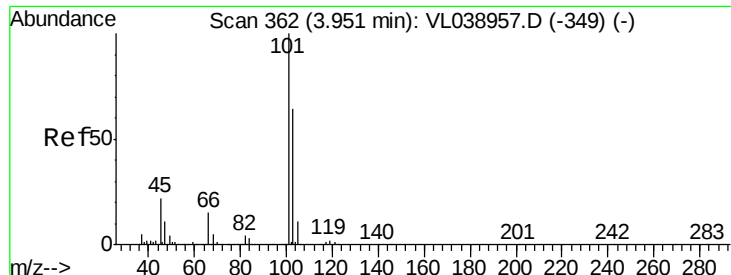
Tgt Ion: 43 Resp: 1468080

Ion Ratio Lower Upper

43 100

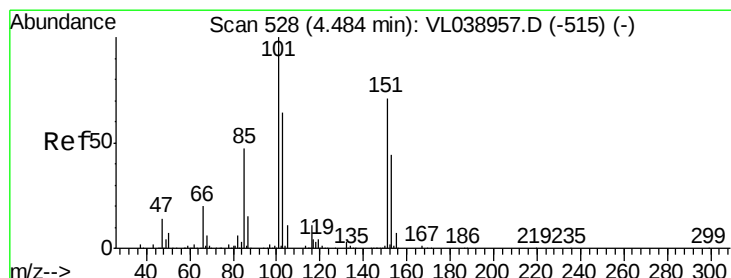
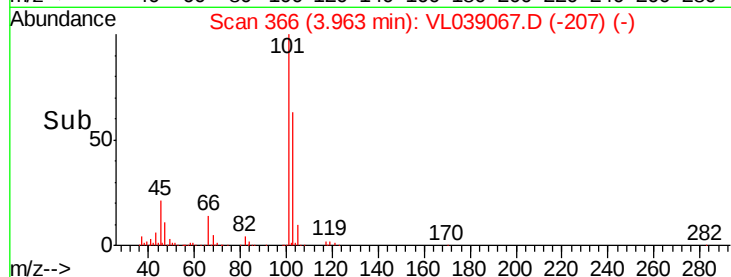
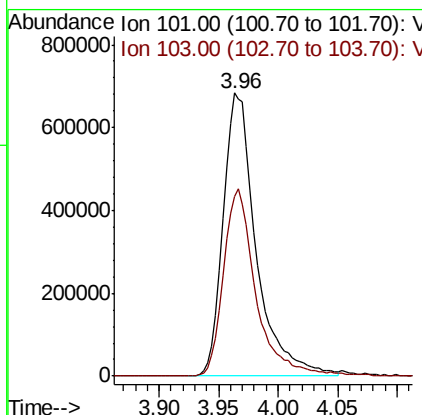
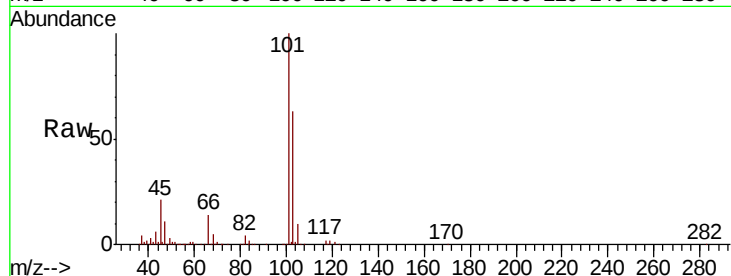
57 50.4 40.5 60.7





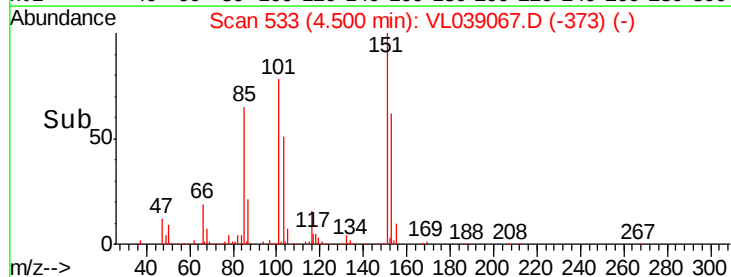
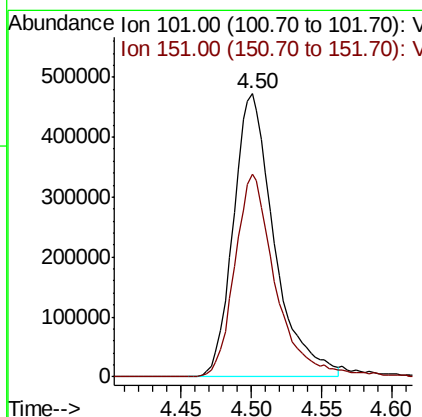
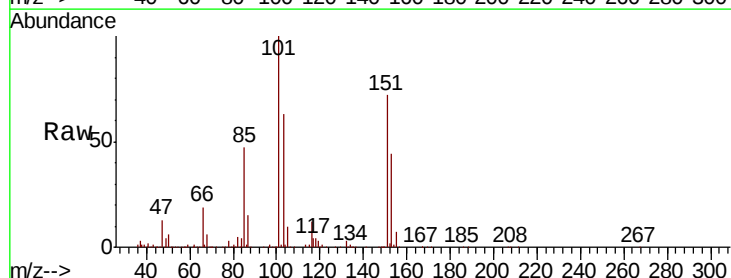
#11
 Trichlorofluoromethane
 Concen: 9.512 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 17 May 2022 12:25

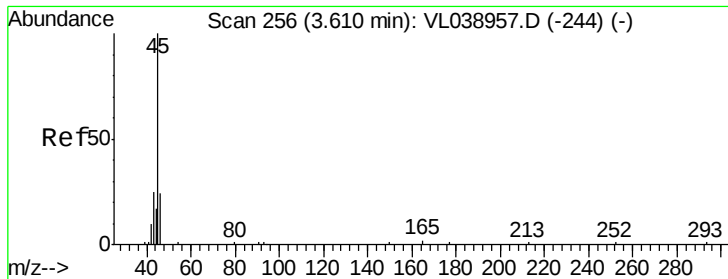
Tot Ion:101 Resp: 1317603
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.068 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

Tgt Ion:101 Resp: 960779
 Ion Ratio Lower Upper
 101 100
 151 72.1 55.4 83.0





#13

Ethanol

Concen: 3.228 ppbv

RT: 3.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

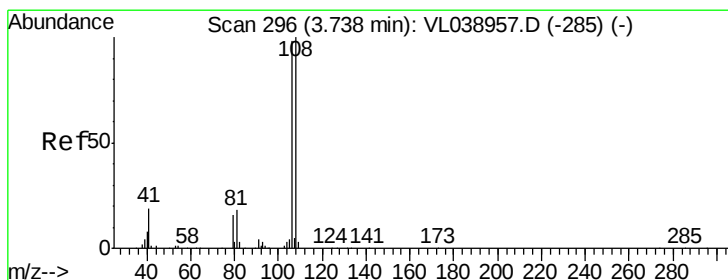
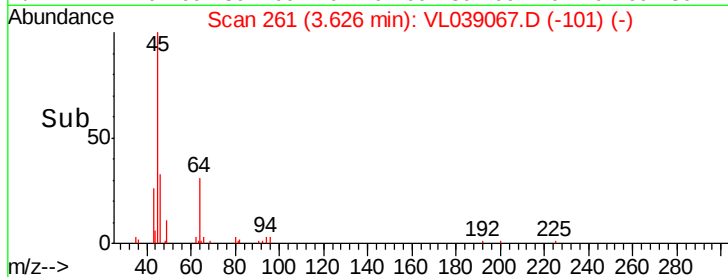
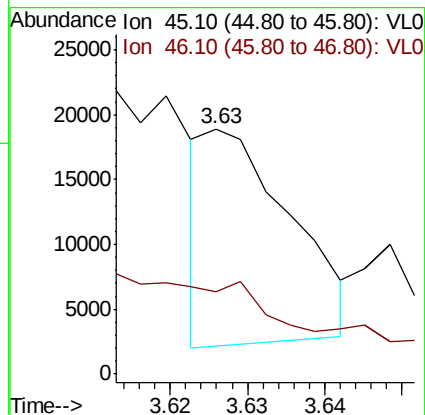
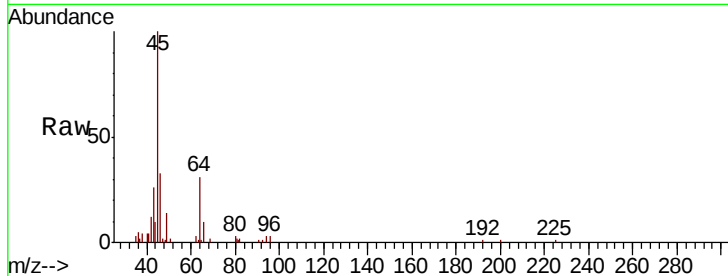
Acq: 17 May 2022 12:25 VSTDCCC010

Tot Ion: 45 Resp: 12757

Ion Ratio Lower Upper

45 100

46 0.0 18.0 72.2#



#14

Bromoethene

Concen: 10.795 ppbv

RT: 3.75 min Scan# 301

Delta R.T. 0.02 min

Lab File: VL039067.D

Acq: 17 May 2022 12:25

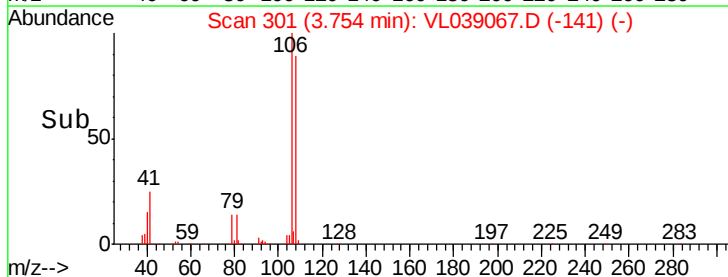
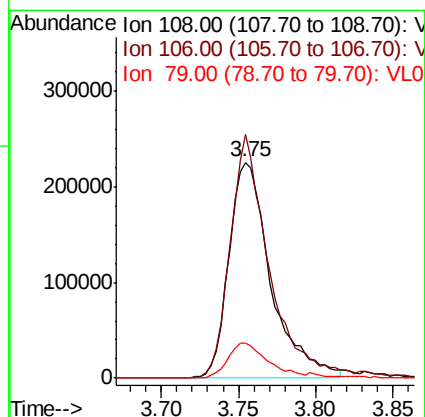
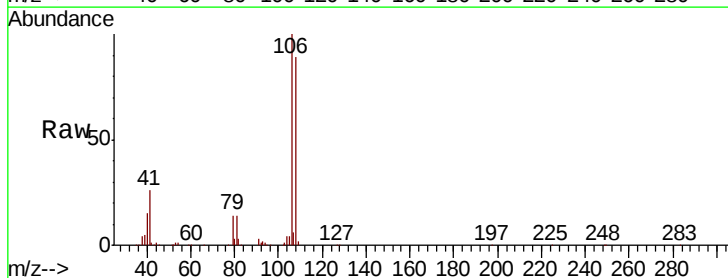
Tgt Ion: 108 Resp: 424772

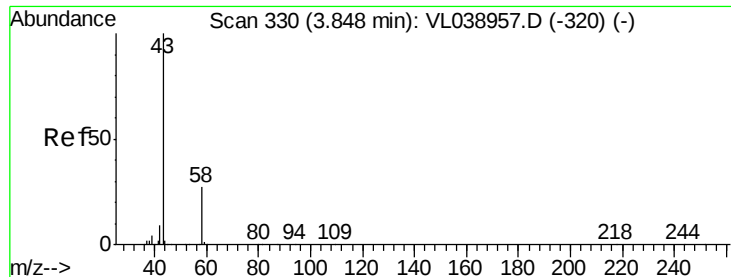
Ion Ratio Lower Upper

108 100

106 106.7 90.3 135.5

79 17.0 14.9 22.3





#15

Acetone

Concen: 9.802 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

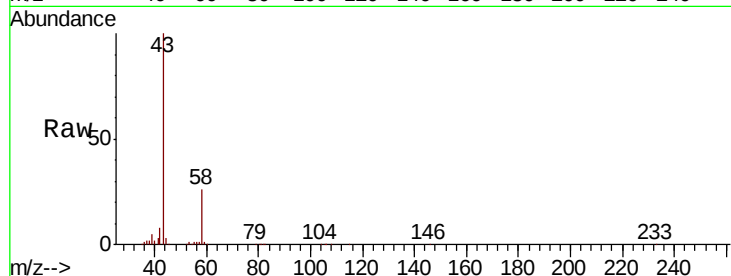
Acq: 17 May 2022 12:25 VSTDCCC010

Tot Ion: 43 Resp: 952784

Ion Ratio Lower Upper

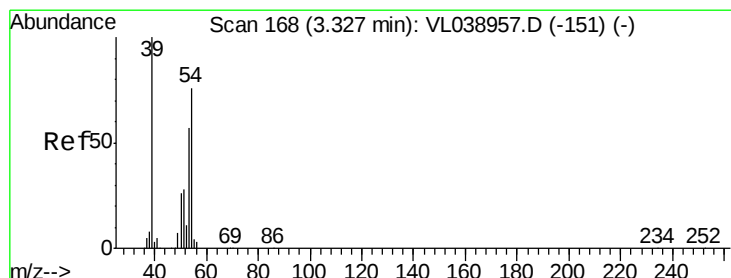
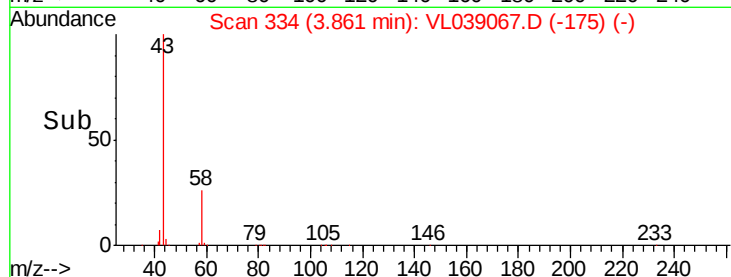
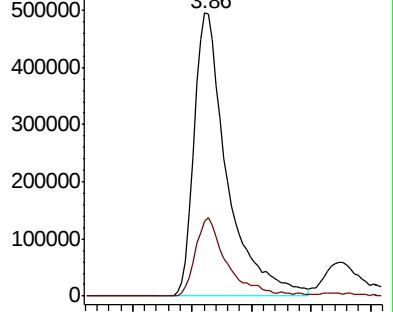
43 100

58 26.6 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.086 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.02 min

Lab File: VL039067.D

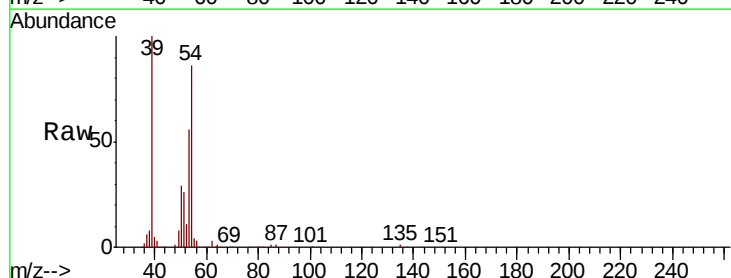
Acq: 17 May 2022 12:25

Tgt Ion: 39 Resp: 563249

Ion Ratio Lower Upper

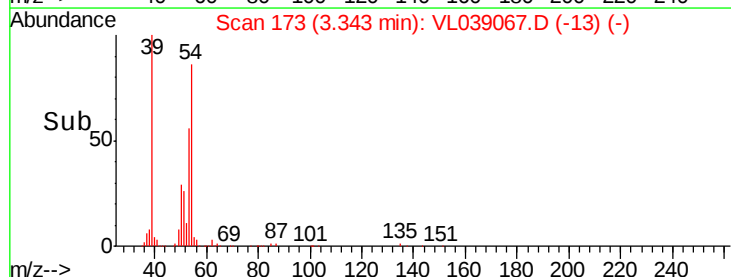
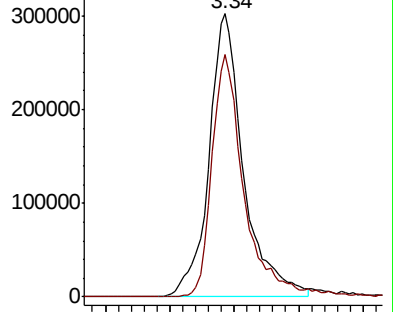
39 100

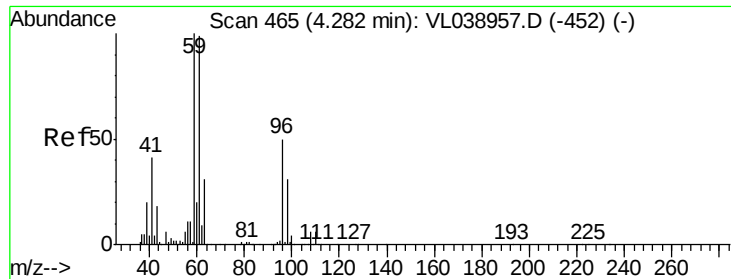
54 80.2 65.2 97.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

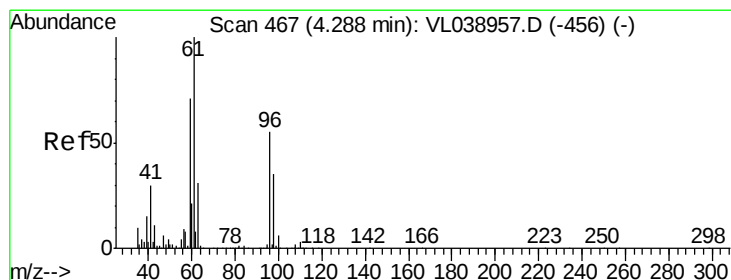
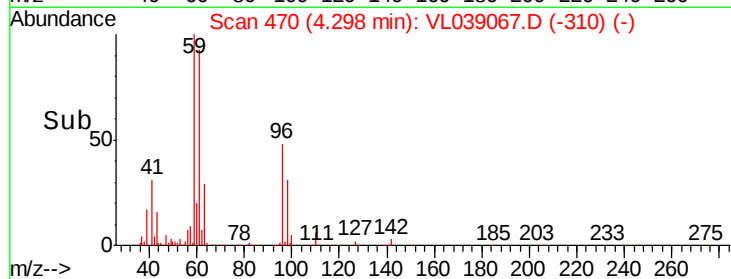
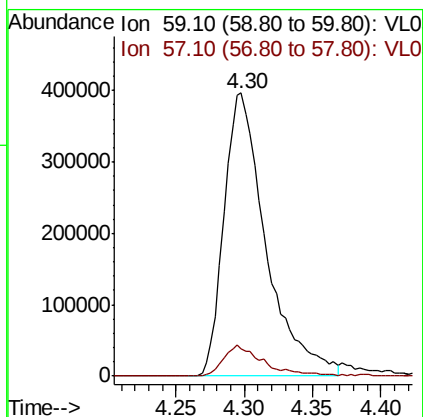
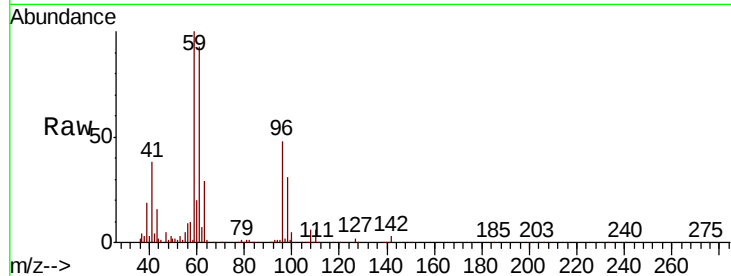
Ion 54.10 (53.80 to 54.80): VL0





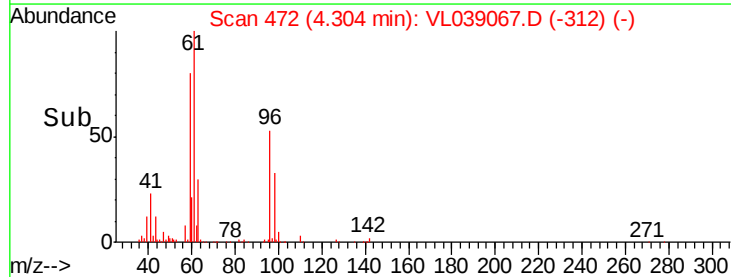
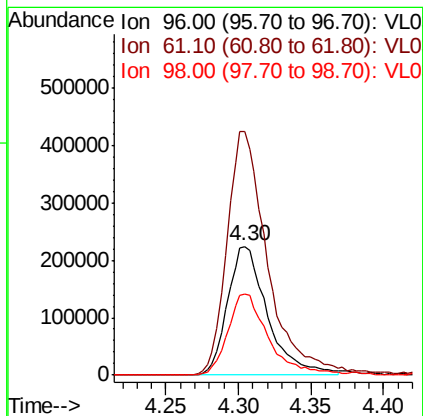
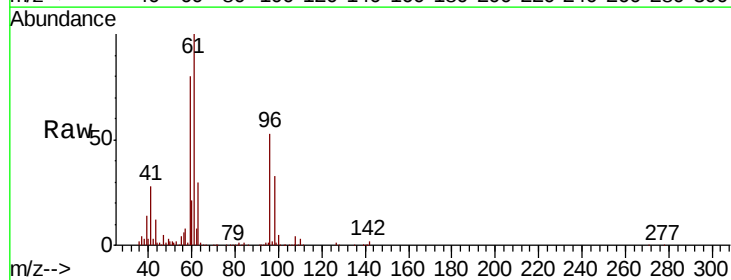
#17
 tert-Butyl alcohol
 Concen: 11.361 ppbv
 RT: 4.30 min
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

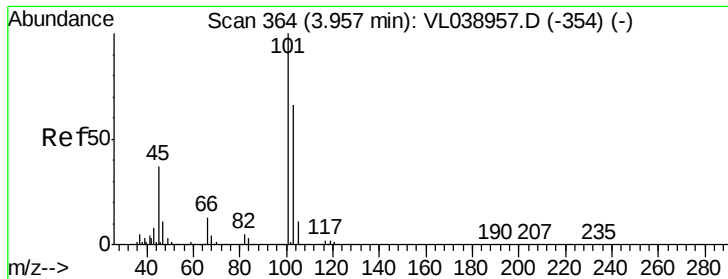
Tot Ion: 59 Resp: 848775
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.2 13.8



#18
 1,1-Dichloroethene
 Concen: 10.498 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

Tgt Ion: 96 Resp: 431159
 Ion Ratio Lower Upper
 96 100
 61 188.7 146.3 219.5
 98 63.2 50.6 75.8





#19

Isopropyl Alcohol

Concen: 10.686 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

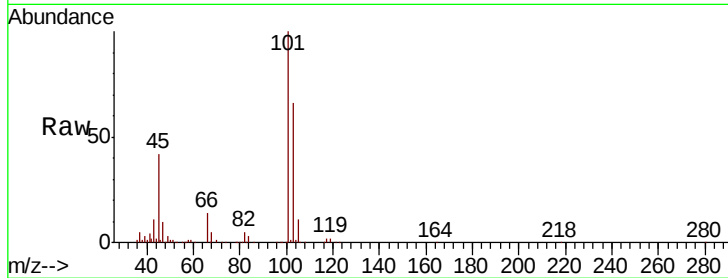
Acq: 17 May 2022 12:25 VSTDCCC010

Tot Ion: 45 Resp: 493866

Ion Ratio Lower Upper

45 100

58 1.6 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

250000

200000

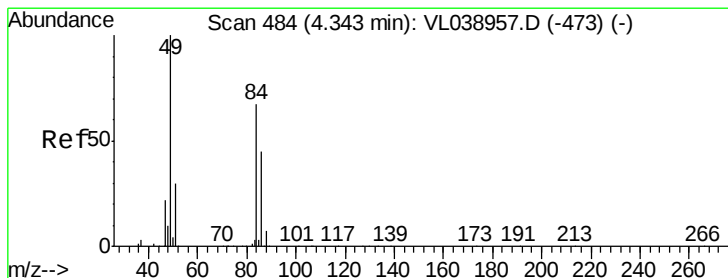
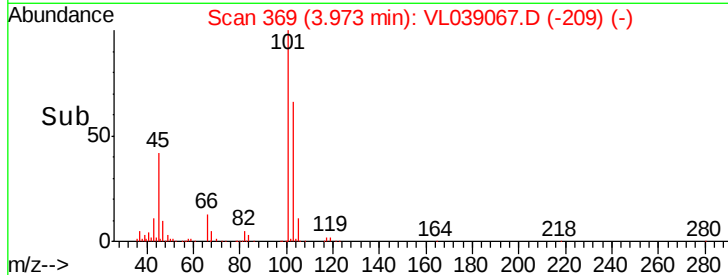
150000

100000

50000

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 9.350 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL039067.D

Acq: 17 May 2022 12:25

Tgt Ion: 84 Resp: 342527

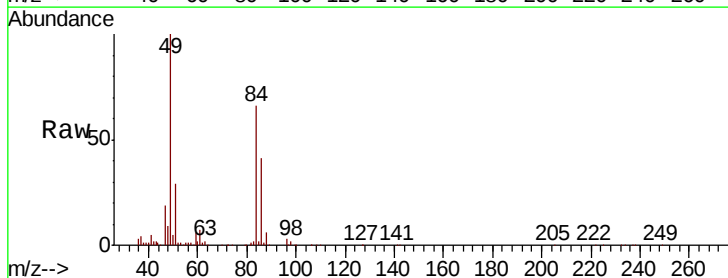
Ion Ratio Lower Upper

84 100

49 149.1 119.9 179.9

51 42.0 35.7 53.5

86 62.9 53.8 80.6



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

400000

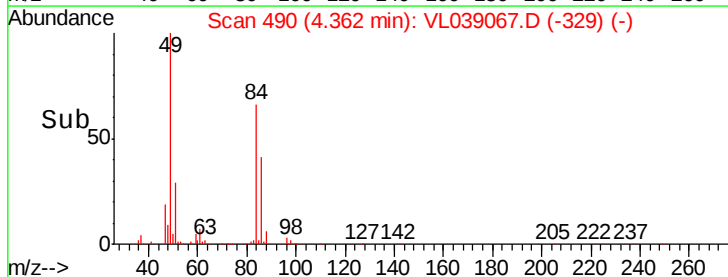
300000

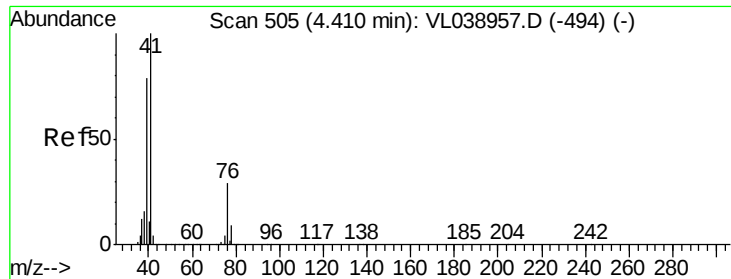
200000

100000

0

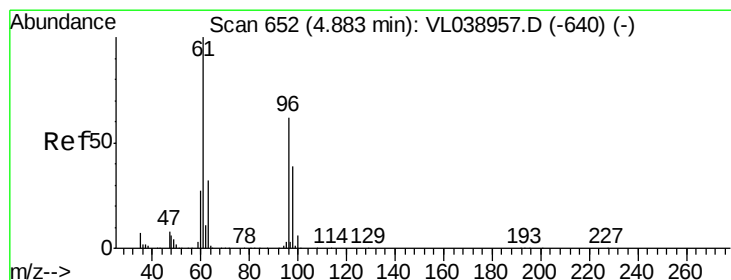
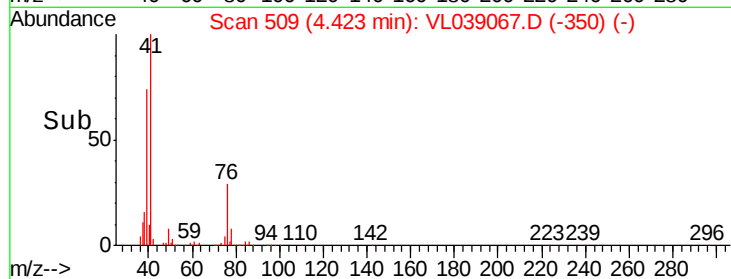
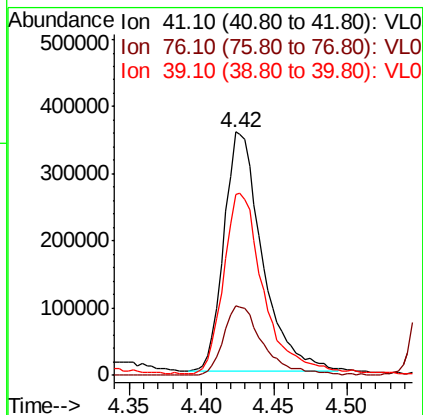
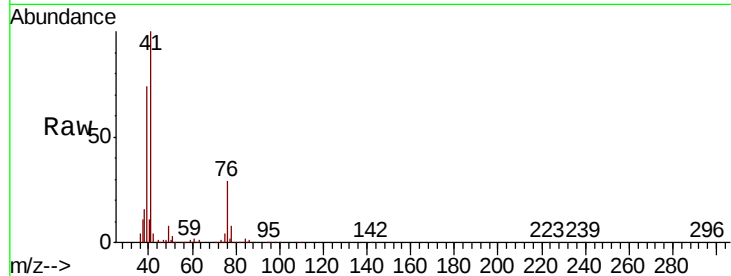
Time--> 4.30 4.35 4.40





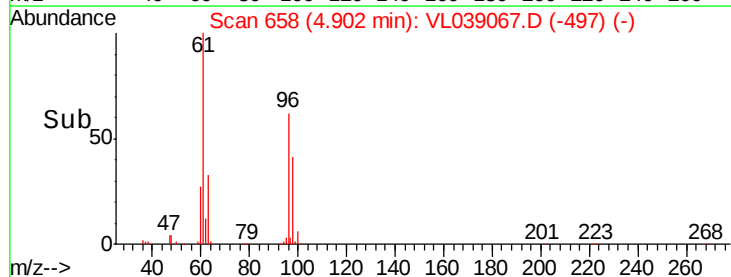
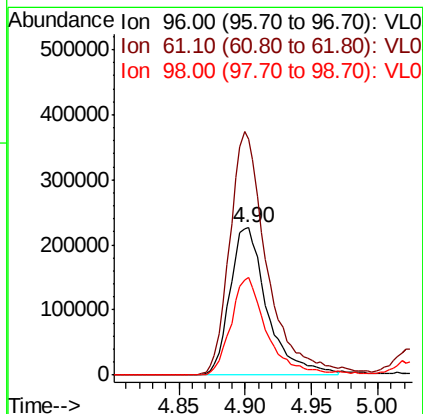
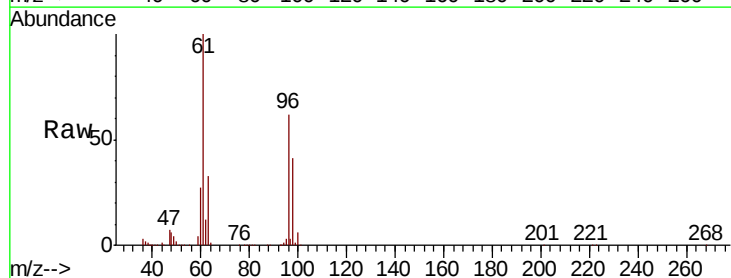
#21
 Allvl Chloride
 Concen: 9.940 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 17 May 2022 12:25

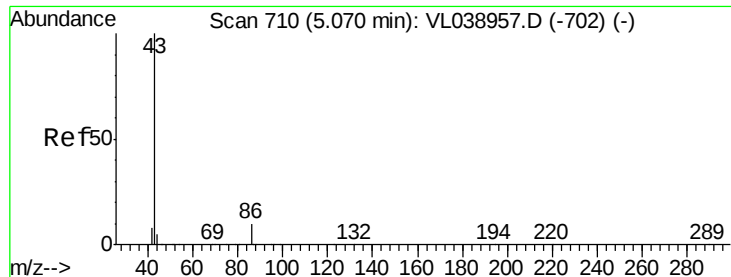
Tot Ion:	41	Resp:	658369
Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.2	36.4
39	79.7	63.8	95.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.988 ppbv
 RT: 4.90 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

Tgt Ion:	96	Resp:	443104
Ion	Ratio	Lower	Upper
96	100		
61	160.6	128.2	192.2
98	66.2	50.1	75.1





#23

Vinyl Acetate

Concen: 8.363 ppbv

RT: 5.09 Instrument:

Delta R.T. MSVOA_1

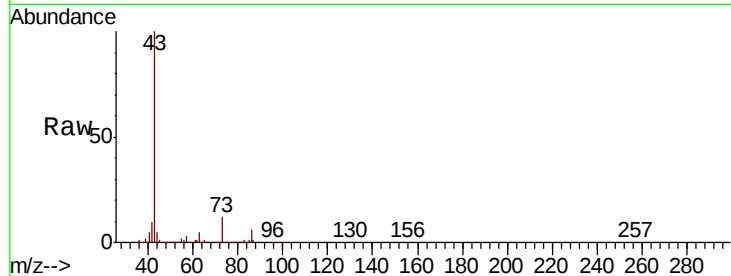
Lab File: ClientSampleId:

VSTDCCC010

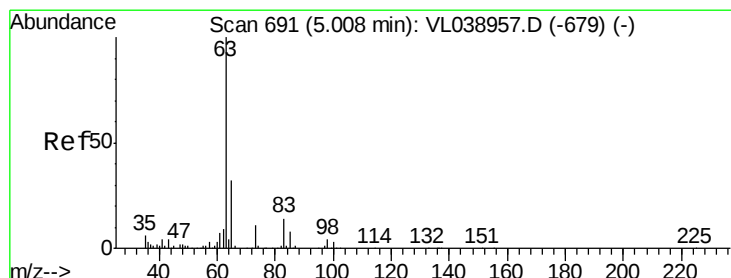
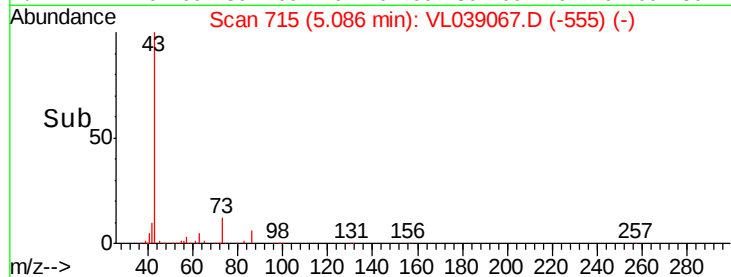
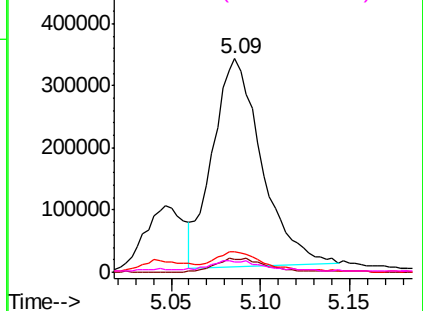
Acq: 17 May 2022 12:25

Tot Ion: 43 Resp: 643179

Ion	Ratio	Lower	Upper
43	100		
86	6.1	6.6	9.8#
42	9.7	8.1	12.1
44	4.2	3.5	5.3



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: 10.048 ppbv

RT: 5.02 min Scan# 696

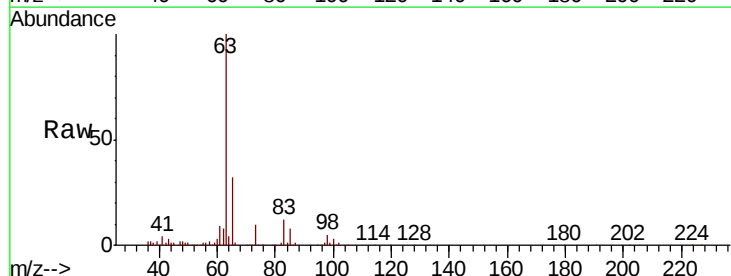
Delta R.T. 0.02 min

Lab File: VL039067.D

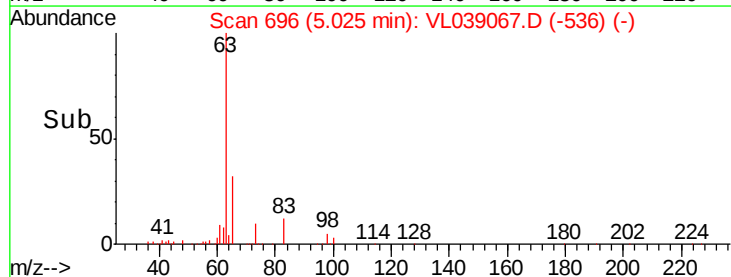
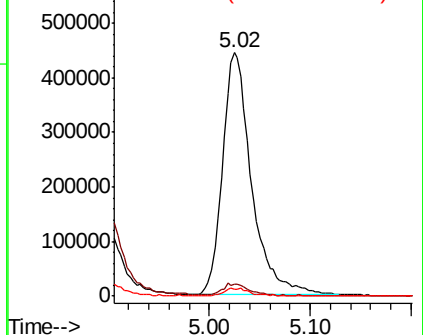
Acq: 17 May 2022 12:25

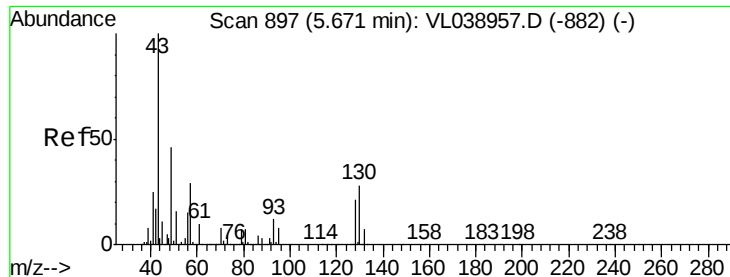
Tgt Ion: 63 Resp: 889838

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.2
100	2.7	1.4	4.2



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

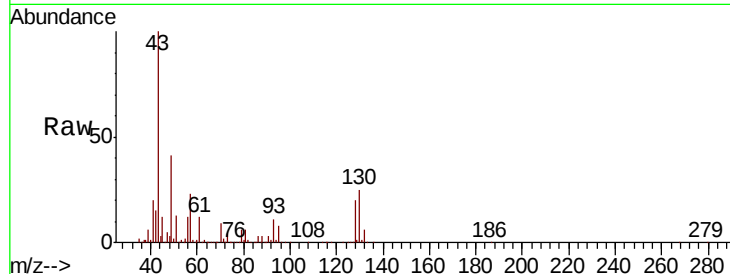




#25
Ethyl Acetate
Concen: 11.681 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 17 May 2022 12:25

Tot Ion: 43 Resp: 2717473

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.1	12.1
61	10.4	7.8	11.6
70	7.3	5.6	8.4



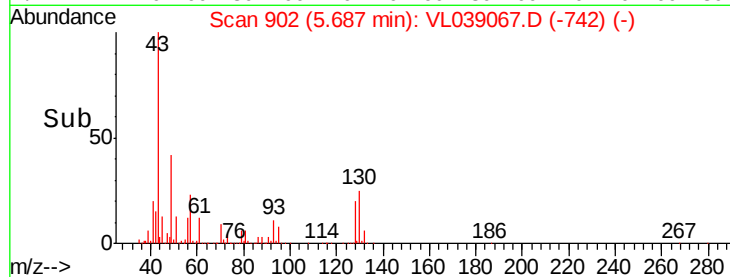
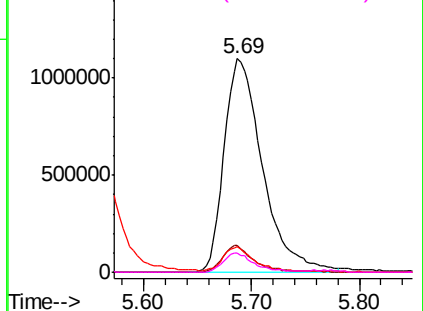
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

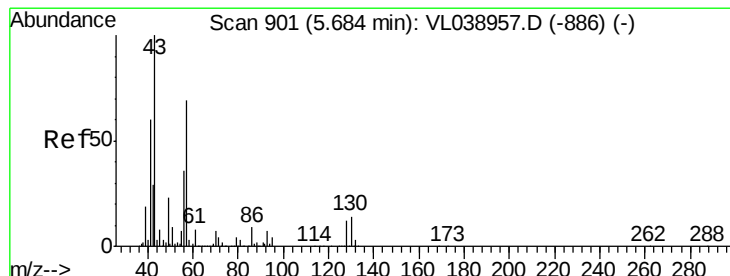
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.691 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.02 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

Tgt Ion: 57 Resp: 1105176

Ion	Ratio	Lower	Upper
57	100		
41	89.0	75.2	112.8
43	250.6	190.8	286.2
56	51.7	43.0	64.6



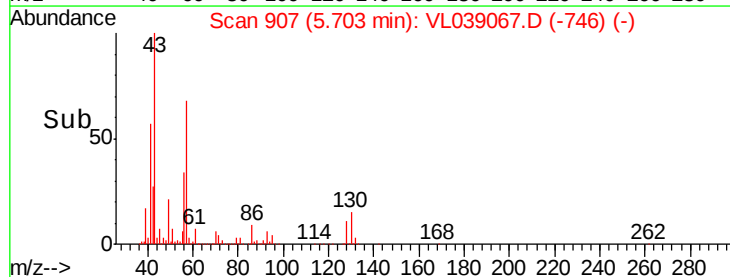
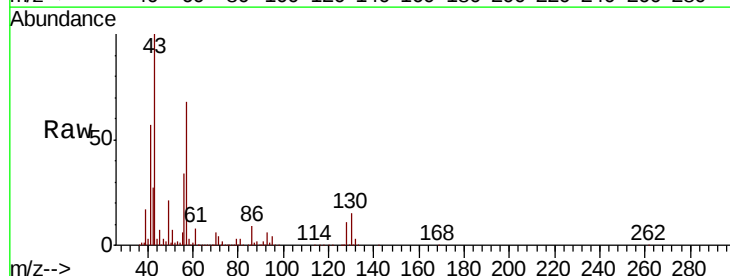
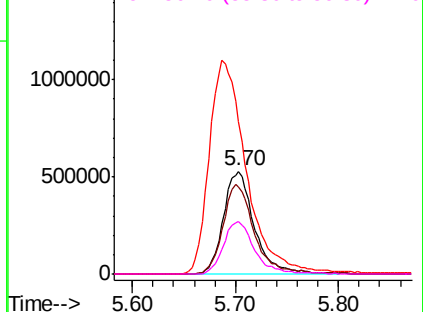
Abundance

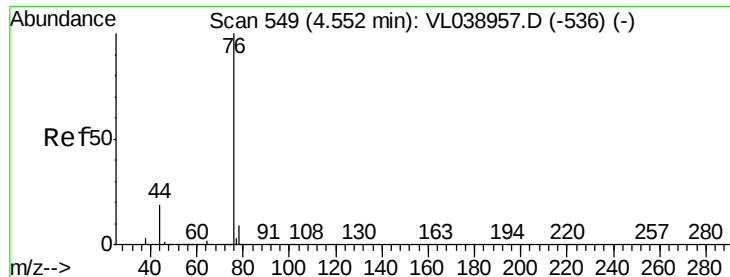
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.372 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 12:25 VSTDCCC010

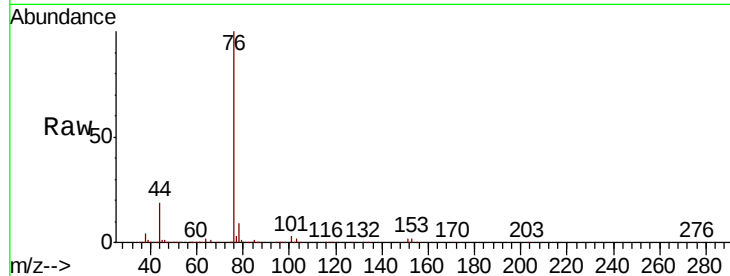
Tot Ion: 76 Resp: 1018436

Ion Ratio Lower Upper

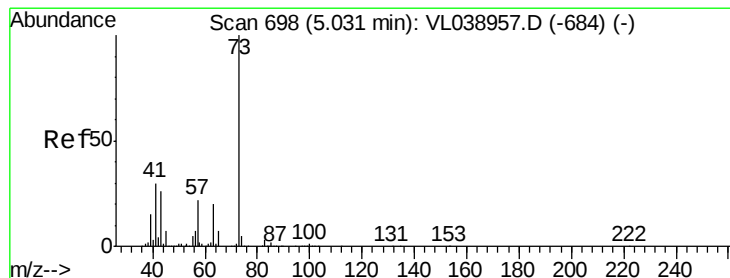
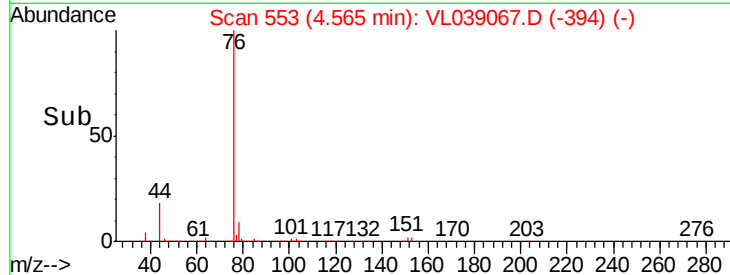
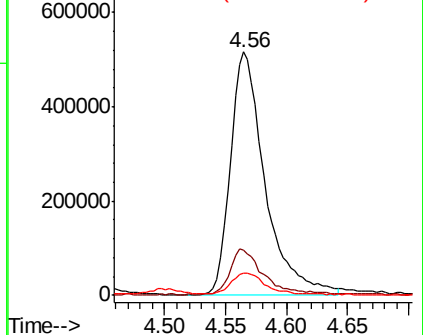
76 100

44 18.7 15.3 22.9

78 10.1 8.2 12.2



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.713 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL039067.D

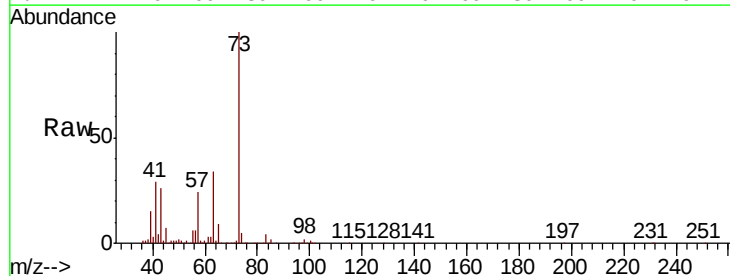
Acq: 17 May 2022 12:25

Tgt Ion: 73 Resp: 842536

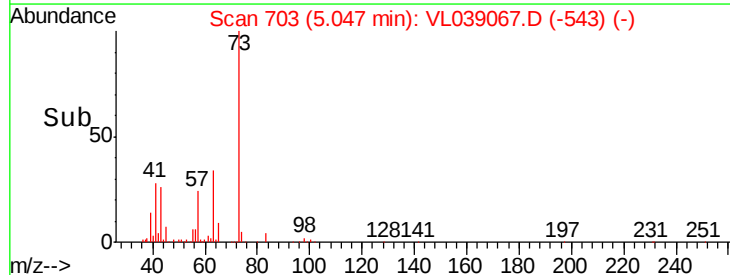
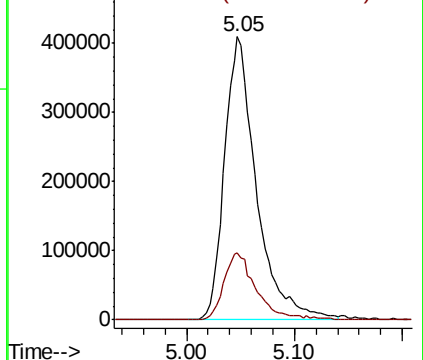
Ion Ratio Lower Upper

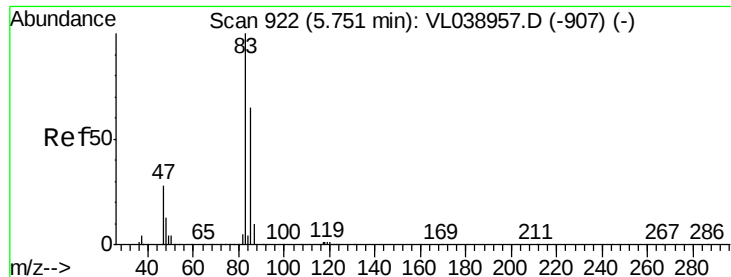
73 100

57 24.3 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.036 ppbv

RT: 5.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

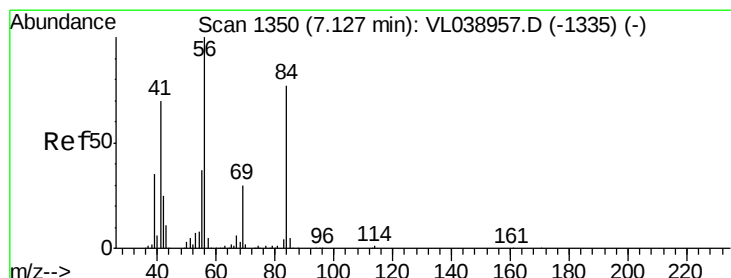
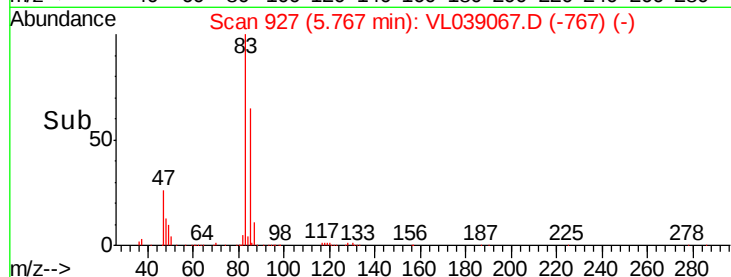
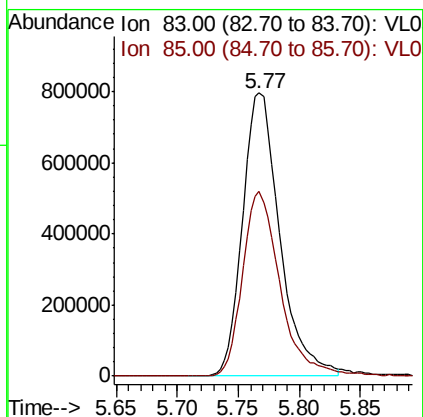
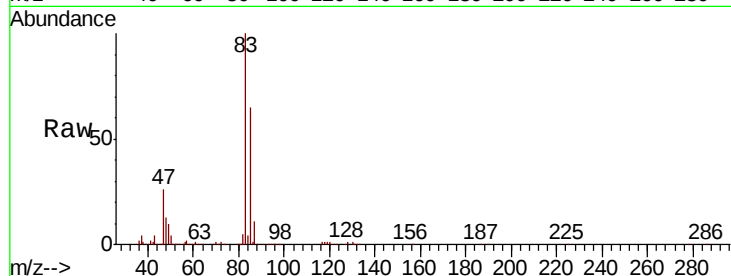
Acq: 17 May 2022 12:25 VSTDCCC010

Tot Ion: 83 Resp: 1678400

Ion Ratio Lower Upper

83 100

85 65.2 51.8 77.6



#30

Cyclohexane

Concen: 10.833 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.02 min

Lab File: VL039067.D

Acq: 17 May 2022 12:25

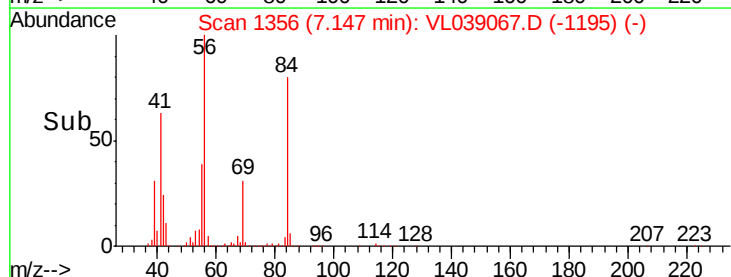
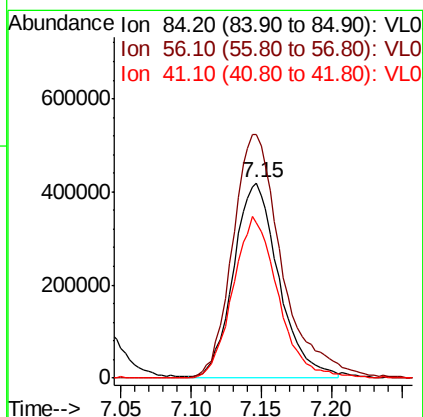
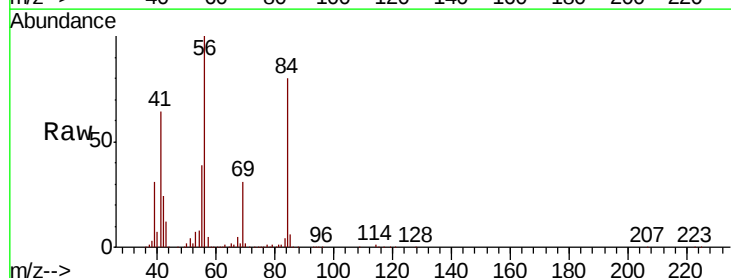
Tgt Ion: 84 Resp: 937530

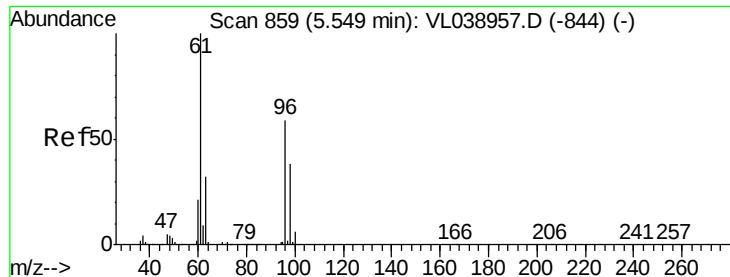
Ion Ratio Lower Upper

84 100

56 137.3 115.3 172.9

41 83.1 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 10.231 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 12:25 VSTDCCC010

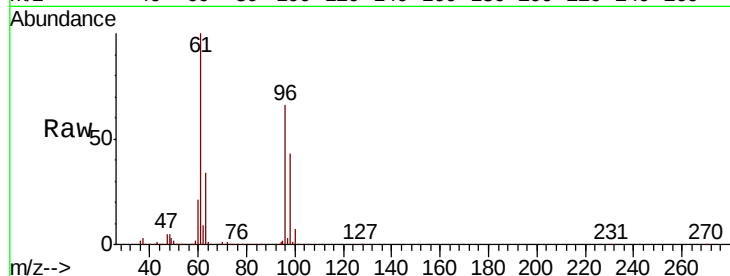
Tot Ion: 61 Resp: 1077476

Ion Ratio Lower Upper

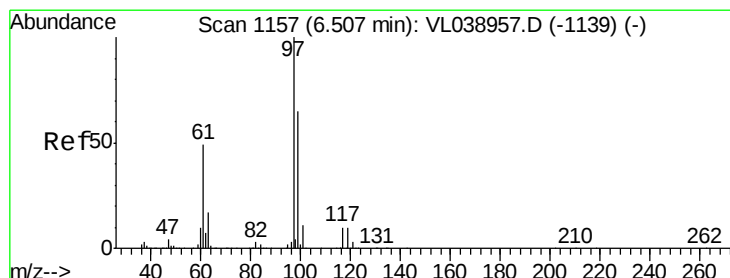
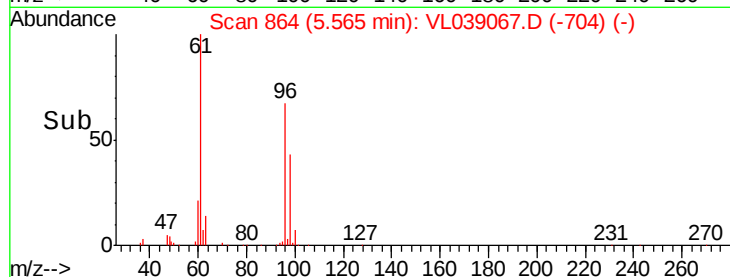
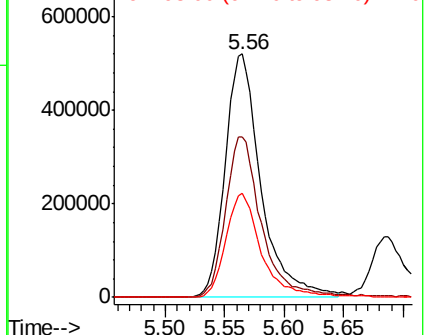
61 100

96 66.1 47.4 71.0

98 43.0 30.6 45.8



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: 10.109 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VL039067.D

Acq: 17 May 2022 12:25

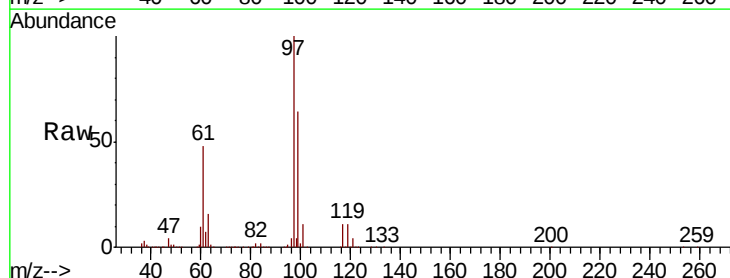
Tgt Ion: 97 Resp: 1690427

Ion Ratio Lower Upper

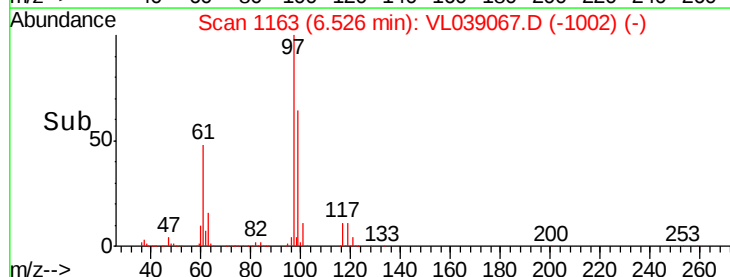
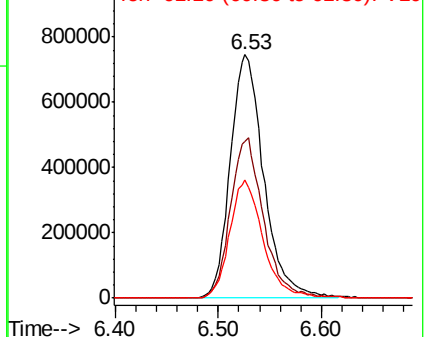
97 100

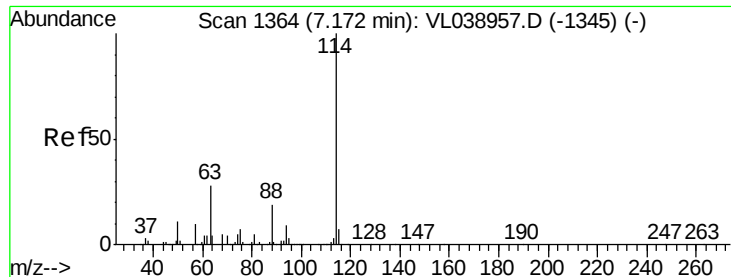
99 65.2 51.9 77.9

61 48.5 40.9 61.3



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 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 17 May 2022 12:25

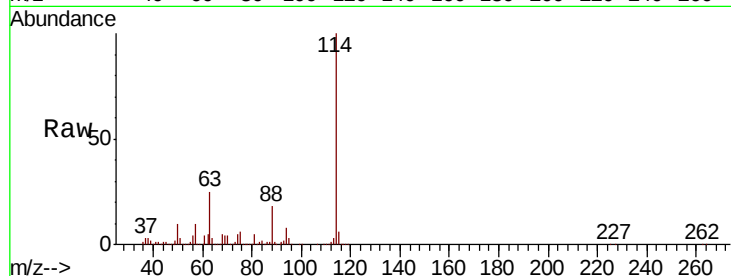
Tot Ion:114 Resp: 2746138

Ion Ratio Lower Upper

114 100

63 25.5 22.6 33.8

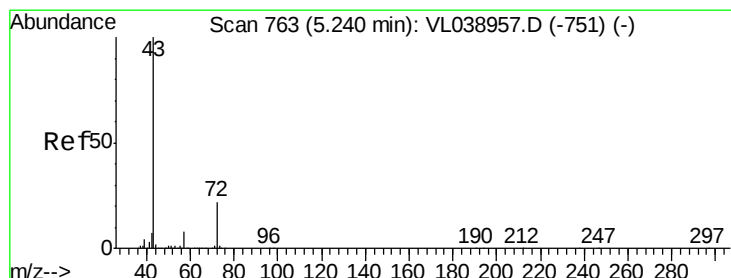
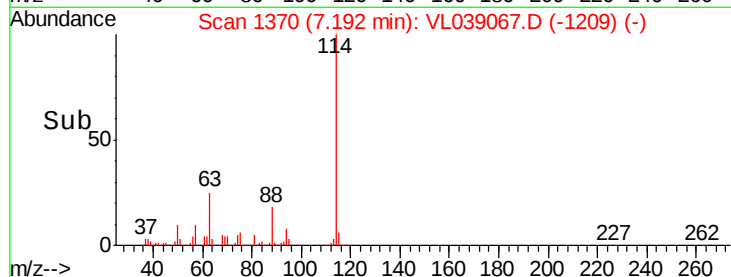
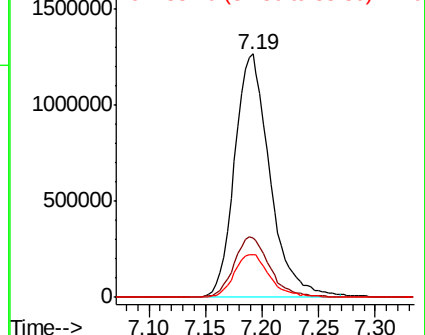
88 18.0 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.672 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.02 min

Lab File: VL039067.D

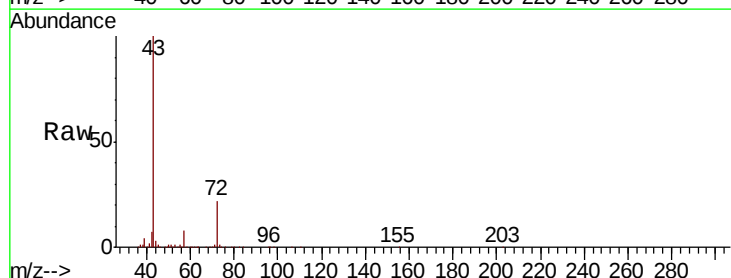
Acq: 17 May 2022 12:25

Tgt Ion: 43 Resp: 1355071

Ion Ratio Lower Upper

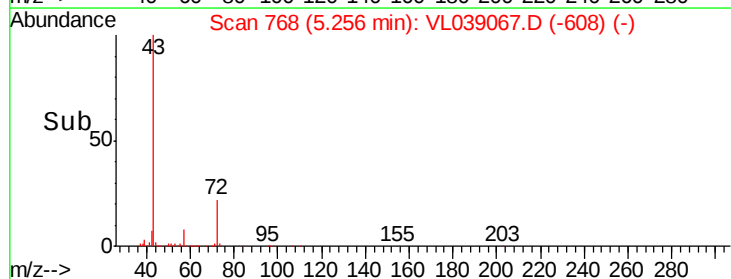
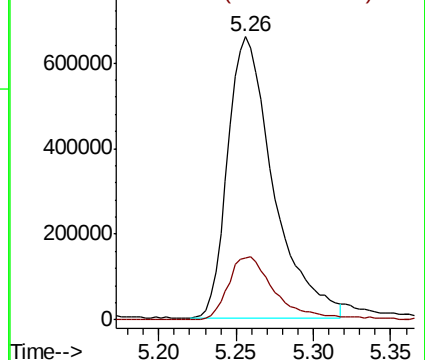
43 100

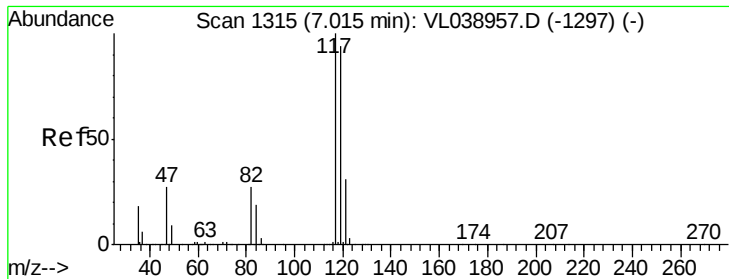
72 23.8 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

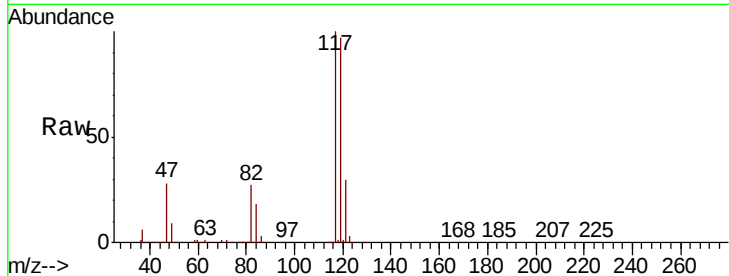
Ion 72.10 (71.80 to 72.80): VL0



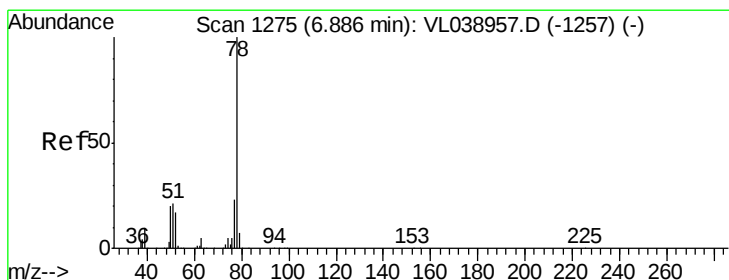
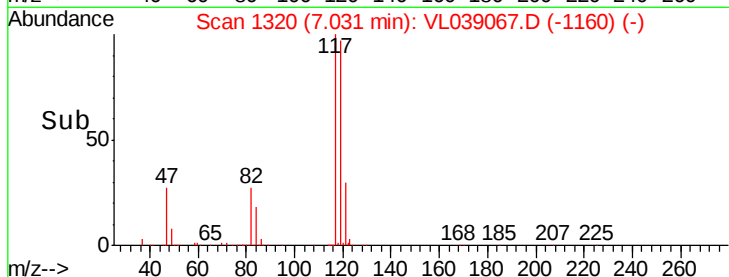
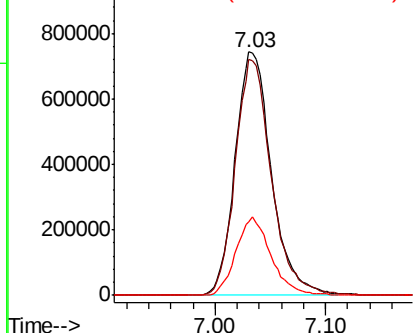


#35
Carbon Tetrachloride
Concen: 9.367 ppbv
RT: 7.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 May 2022 12:25

Tot Ion:117 Resp: 1694865
Ion Ratio Lower Upper
117 100
119 96.8 75.2 112.8
121 30.3 24.6 37.0

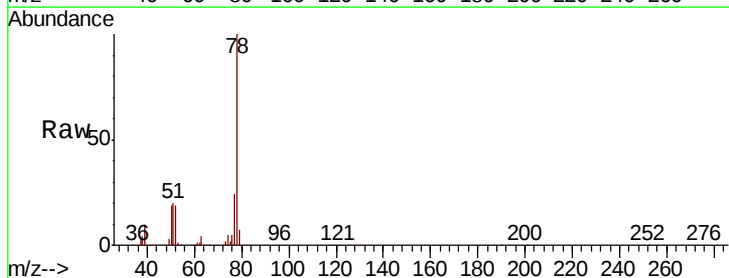


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

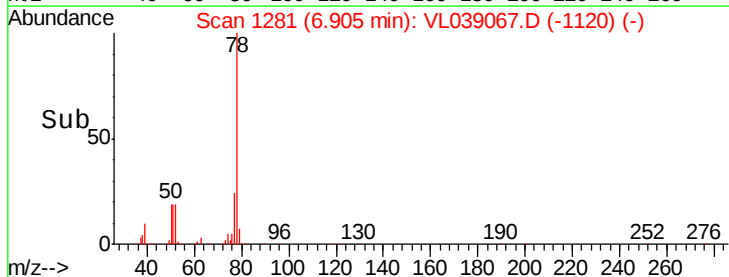
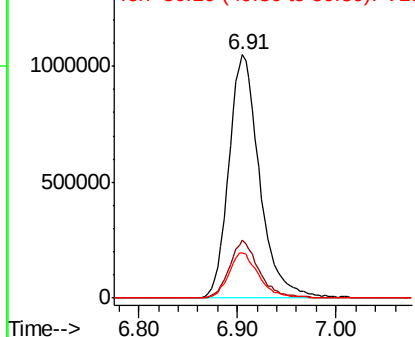


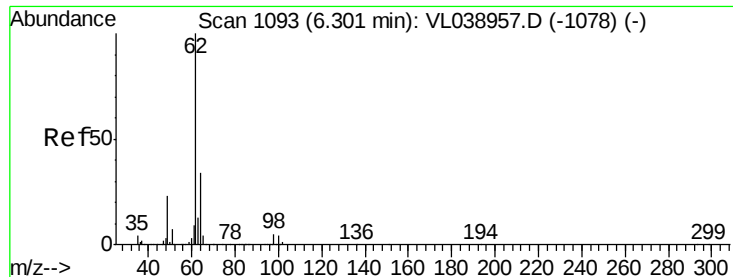
#36
Benzene
Concen: 9.722 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.02 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

Tgt Ion: 78 Resp: 2284800
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0
50 18.8 15.6 23.4



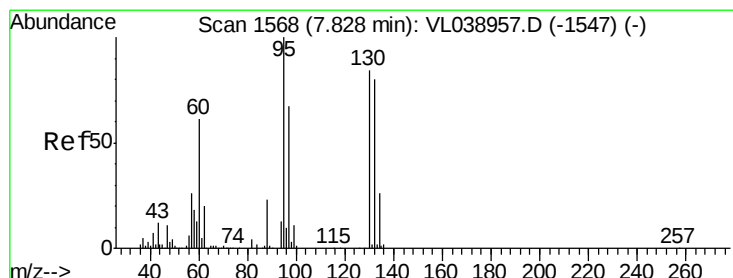
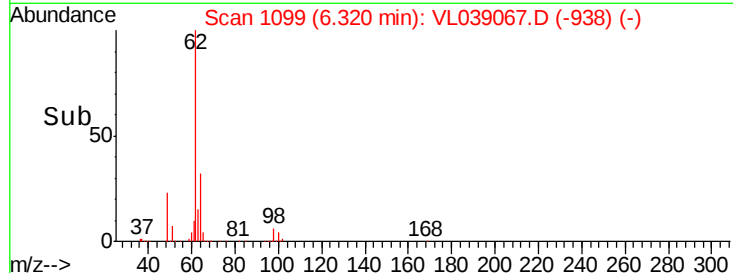
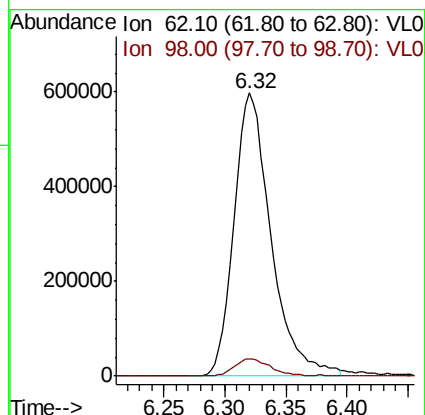
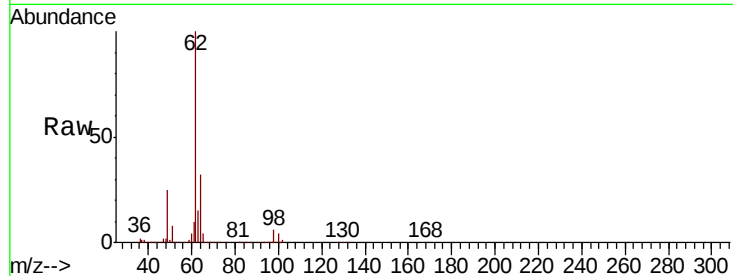
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





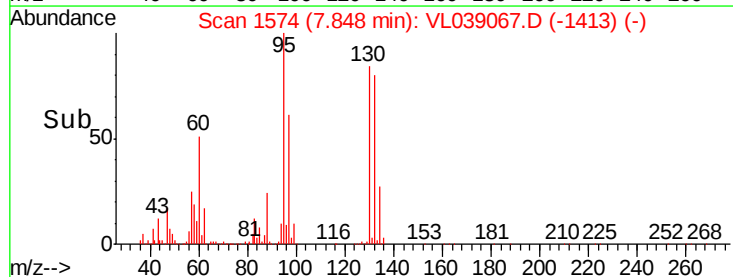
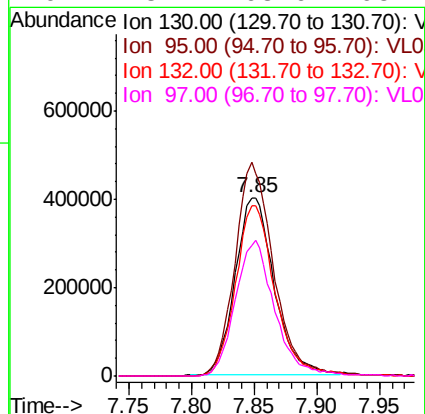
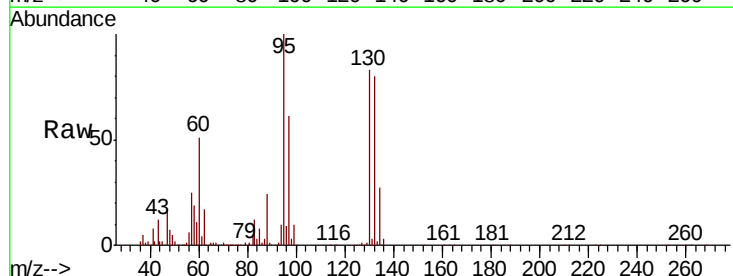
#37
 1,2-Dichloroethane
 Concen: 8.669 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 17 May 2022 12:25

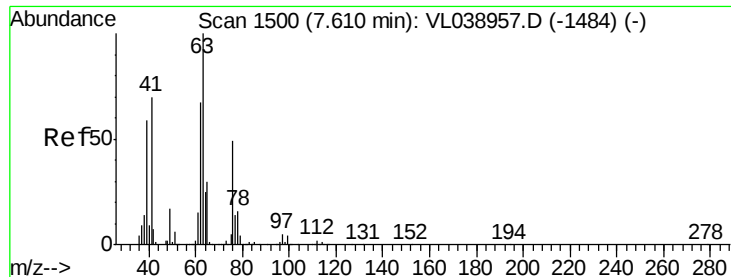
Tot Ion: 62 Resp: 1260555
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.5 6.7



#38
 Trichloroethene
 Concen: 8.338 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

Tgt Ion: 130 Resp: 871075
 Ion Ratio Lower Upper
 130 100
 95 120.3 94.8 142.2
 132 95.6 75.8 113.8
 97 73.2 63.6 95.4





#39

1,2-Dichloropropane

Concen: 9.714 ppbv

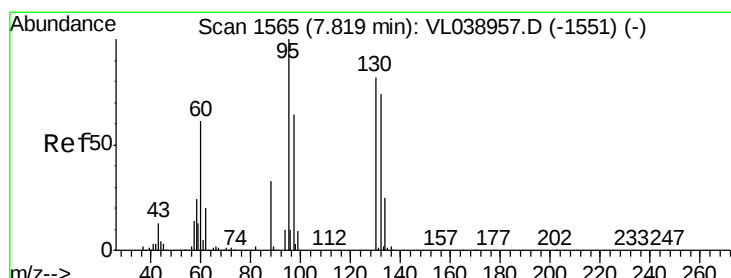
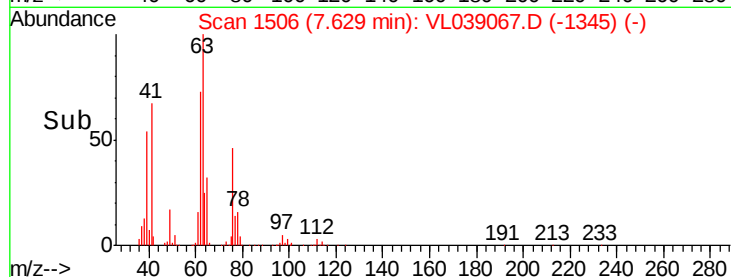
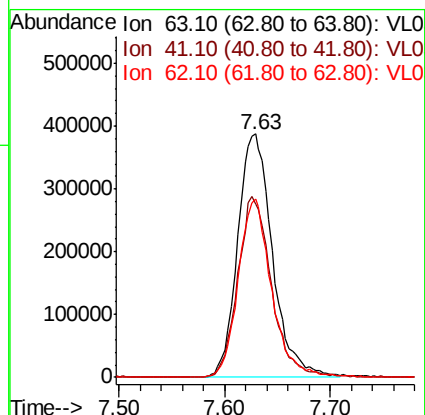
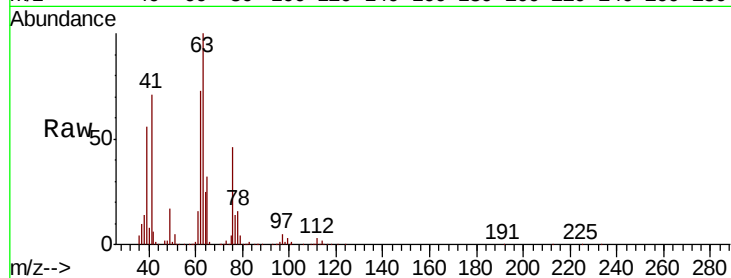
RT: 7.63 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 17 May 2022 12:25

Tot Ion:	63	Resp:	888277
Ion	Ratio	Lower	Upper
63	100		
41	71.1	55.9	83.9
62	73.3	53.8	80.6



#40

1,4-Dioxane

Concen: 9.360 ppbv

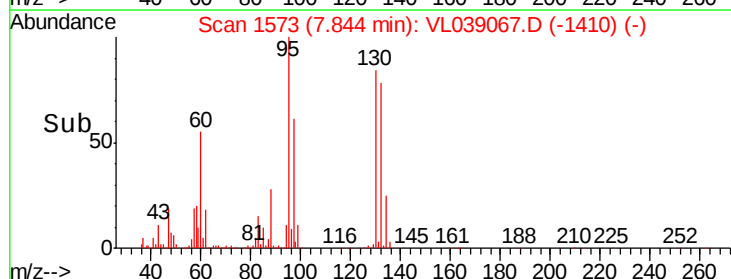
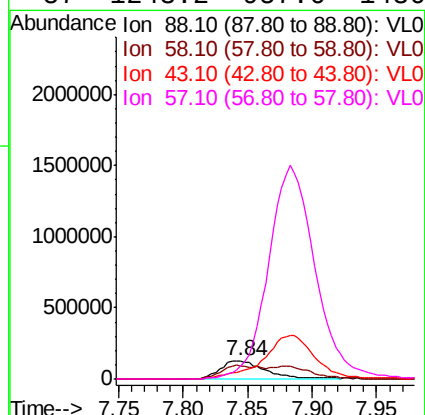
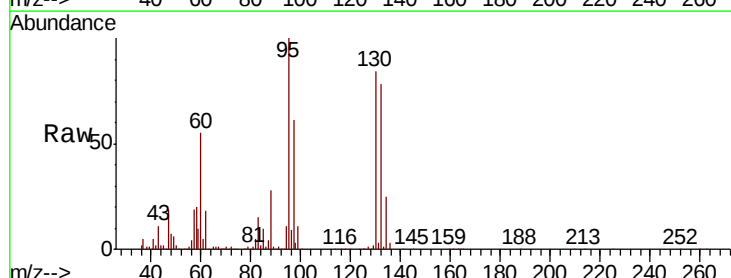
RT: 7.84 min Scan# 1573

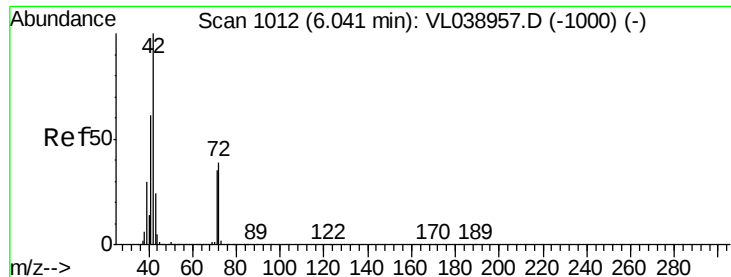
Delta R.T. 0.03 min

Lab File: VL039067.D

Acq: 17 May 2022 12:25

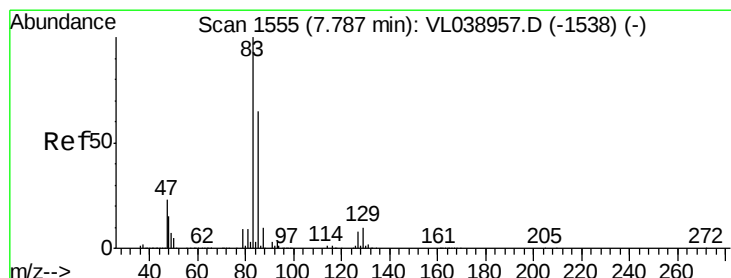
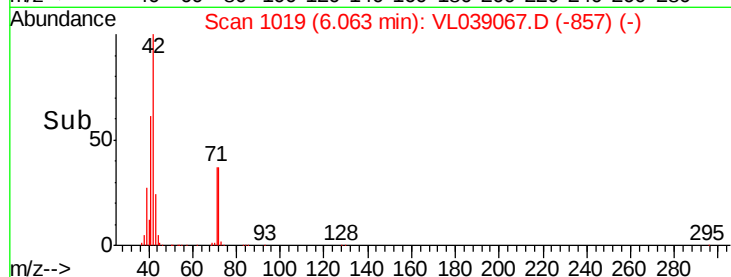
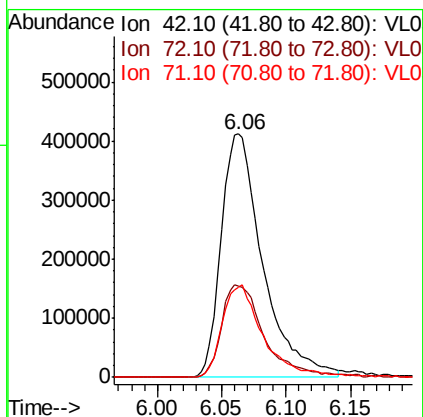
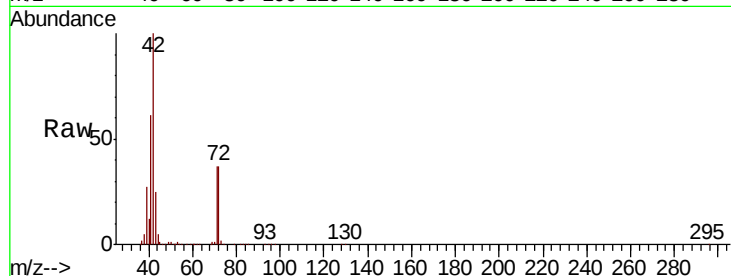
Tgt Ion:	88	Resp:	307395
Ion	Ratio	Lower	Upper
88	100		
58	133.4	106.1	159.1
43	283.4	222.9	334.3
57	1243.2	957.6	1436.4





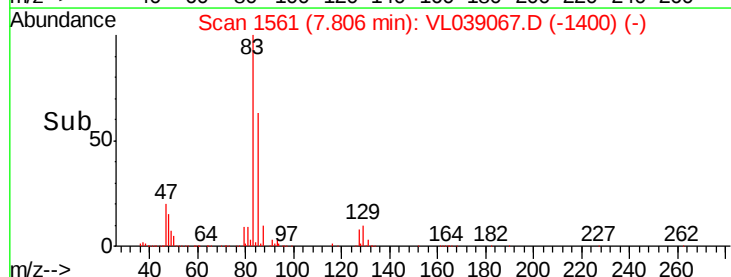
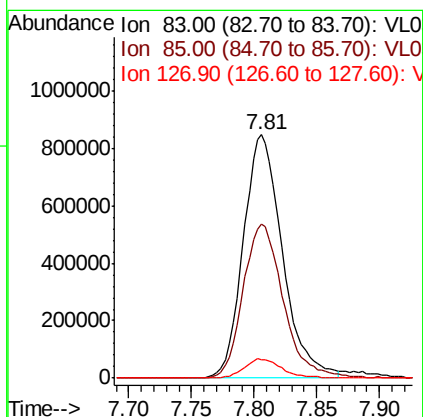
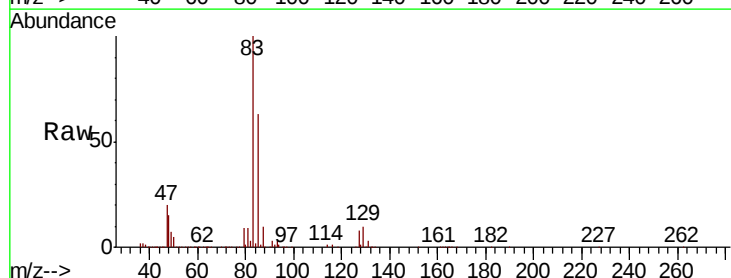
#41
Tetrahydrofuran
Concen: 9.791 ppbv
RT: 6.06
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 May 2022 12:25

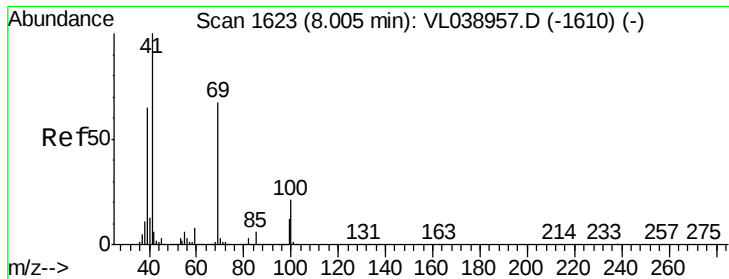
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.8	47.6
71	38.4	30.6	45.8



#42
Bromodichloromethane
Concen: 9.268 ppbv
RT: 7.81 min Scan# 1561
Delta R.T.: 0.02 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

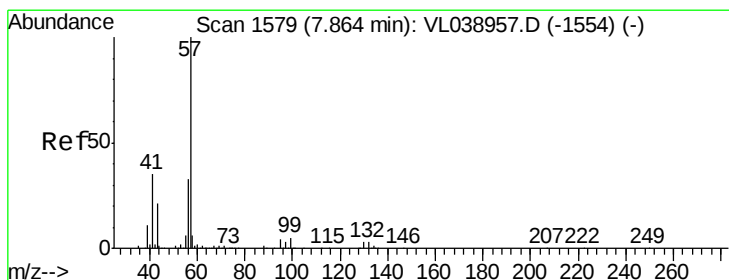
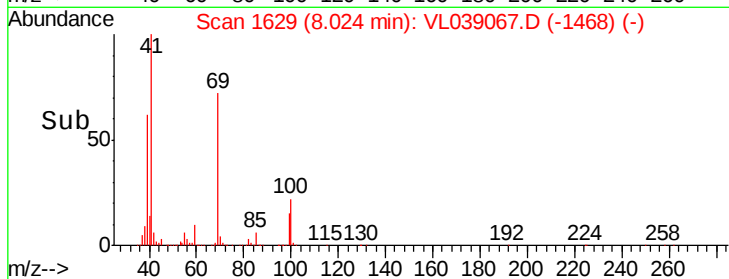
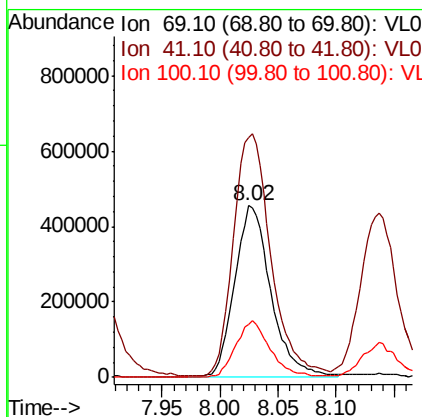
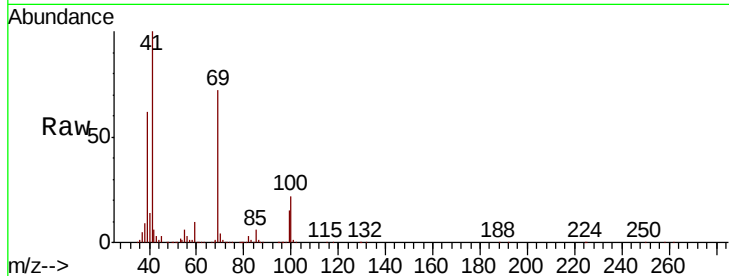
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.0	78.0
127	7.5	6.0	9.0





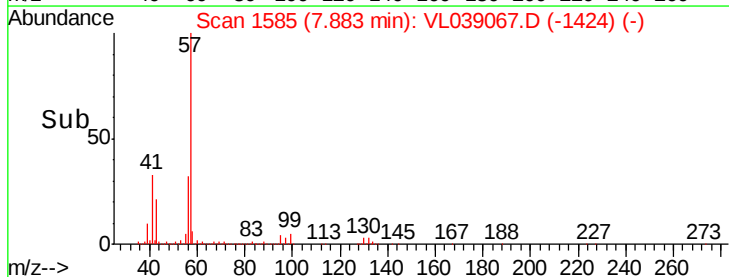
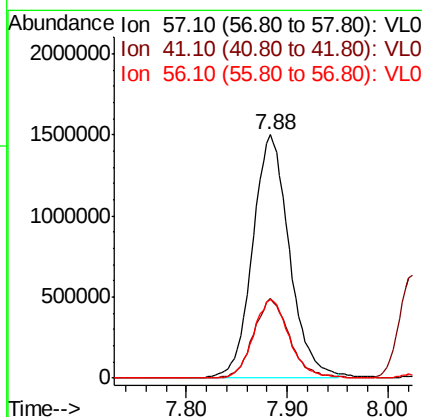
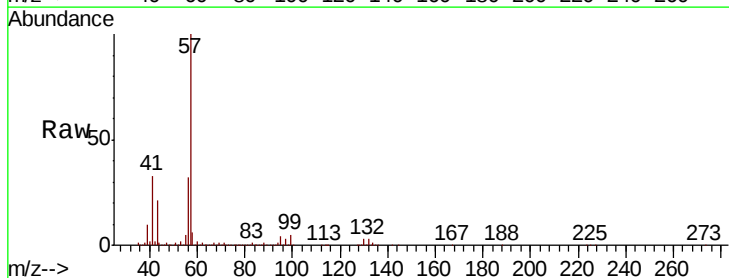
#43
Methvl Methacrilate
Concen: 10.400 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 17 May 2022 12:25

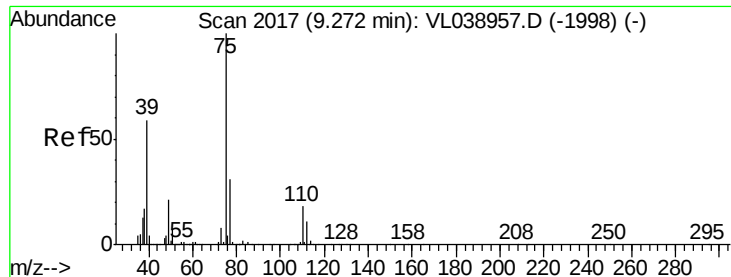
Tot Ion	69	Resp	992185
Ion Ratio	Lower	Upper	
69	100		
41	146.5	121.9	182.9
100	31.4	24.6	36.8



#44
2,2,4-Trimethylpentane
Concen: 9.188 ppbv
RT: 7.88 min Scan# 1585
Delta R.T.: 0.02 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

Tgt Ion	57	Resp	3788751
Ion Ratio	Lower	Upper	
57	100		
41	31.9	26.3	39.5
56	31.6	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 8.186 ppbv

RT: 9.29 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

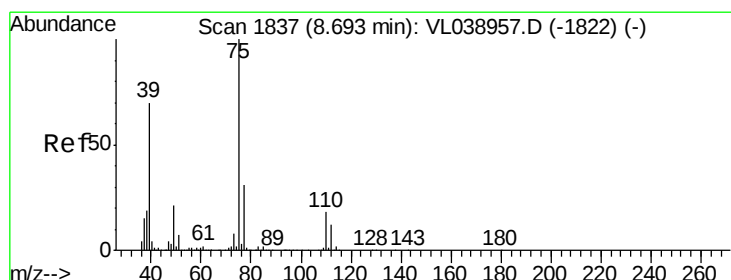
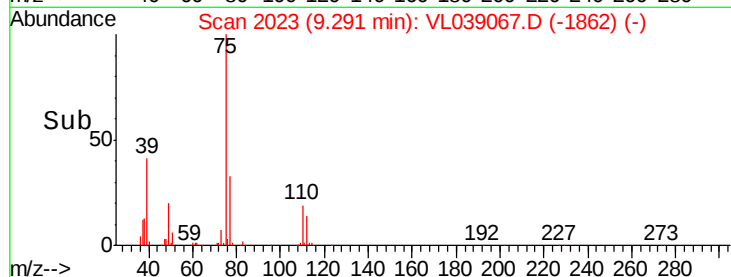
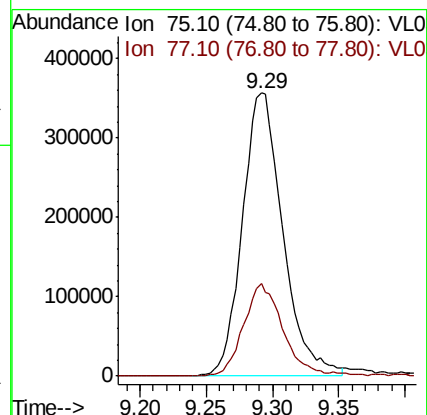
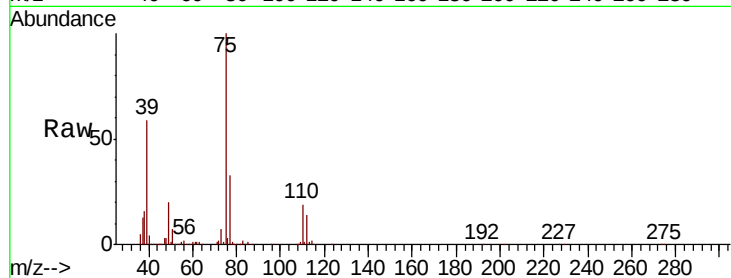
Acq: 17 May 2022 12:25

Tot Ion: 75 Resp: 755985

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 8.724 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.02 min

Lab File: VL039067.D

Acq: 17 May 2022 12:25

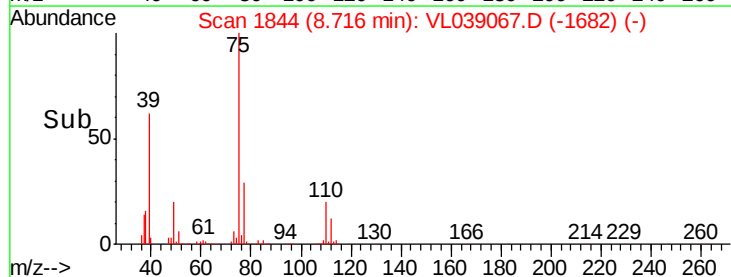
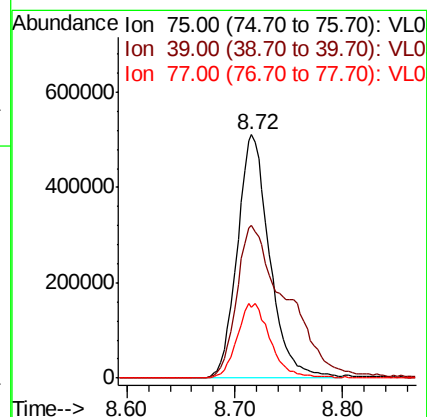
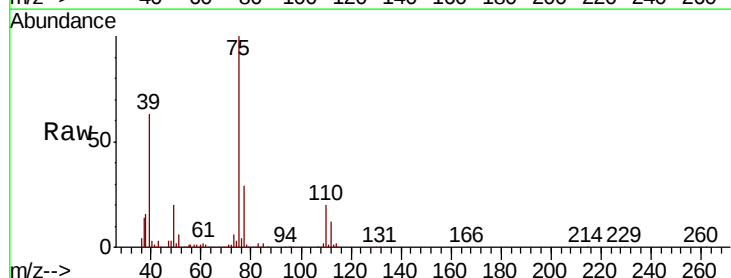
Tgt Ion: 75 Resp: 1068379

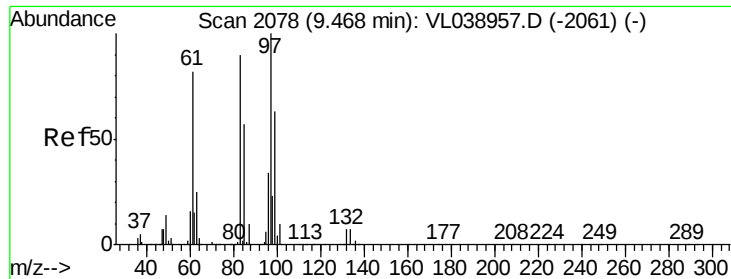
Ion Ratio Lower Upper

75 100

39 62.8 55.8 83.6

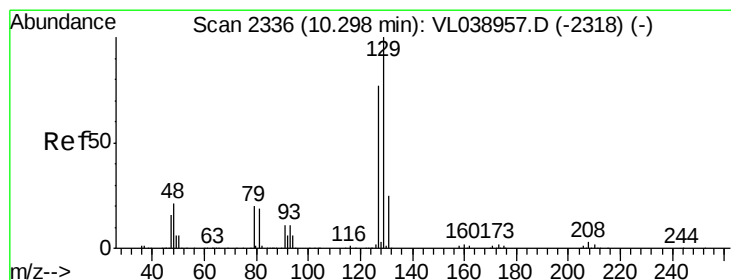
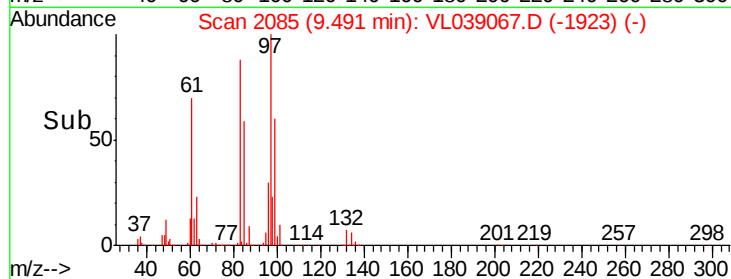
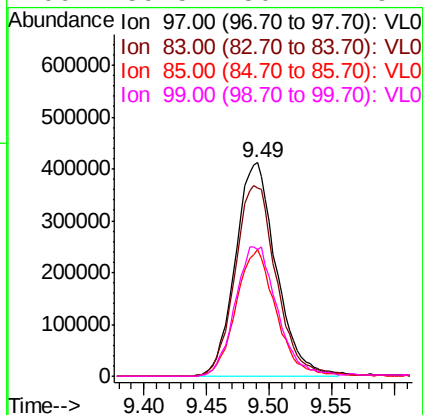
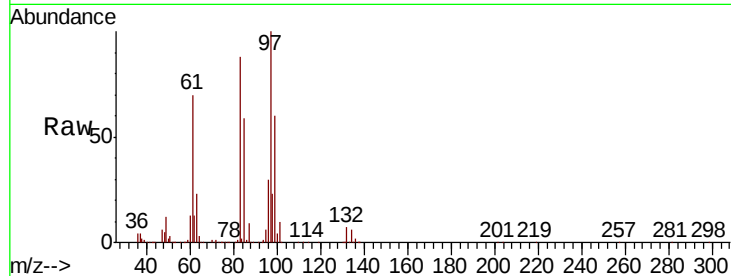
77 29.1 24.8 37.2





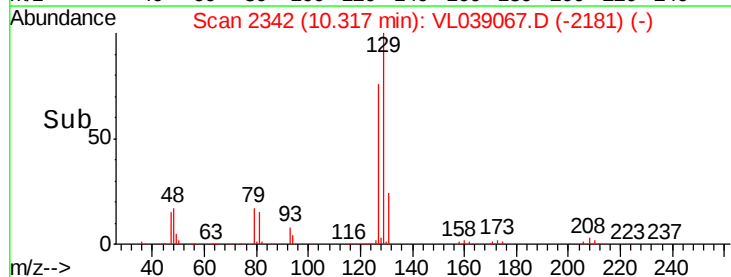
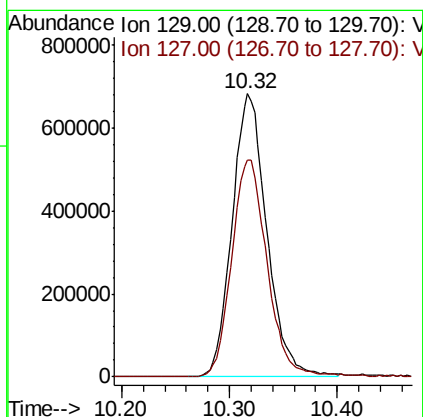
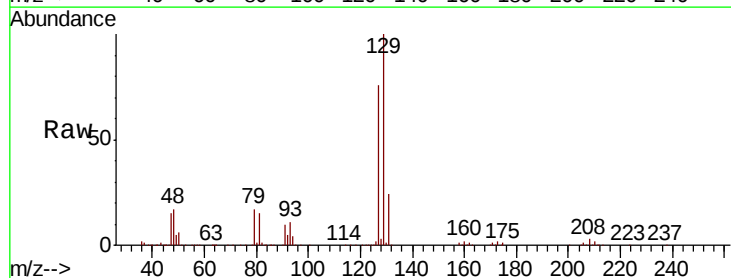
#47
 1,1,2-Trichloroethane
 Concen: 9.799 ppbv
 RT: 9.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 17 May 2022 12:25

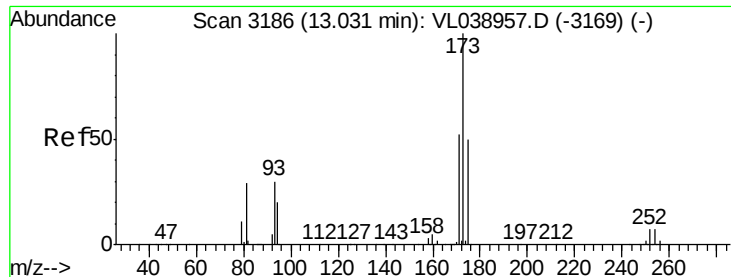
Tot Ion:	97	Resp:	931901
Ion	Ratio	Lower	Upper
97	100		
83	88.1	72.0	108.0
85	59.1	45.7	68.5
99	59.5	50.2	75.4



#48
 Dibromochloromethane
 Concen: 9.899 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

Tgt Ion:	129	Resp:	1532344
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.9





#49

Bromoform

Concen: 10.304 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 May 2022 12:25

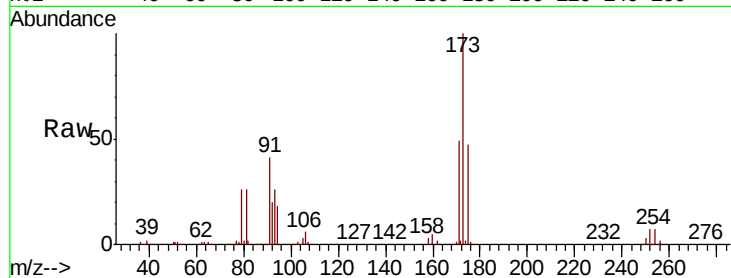
Tot Ion:173 Resp: 1216403

Ion Ratio Lower Upper

173 100

175 51.7 41.0 61.6

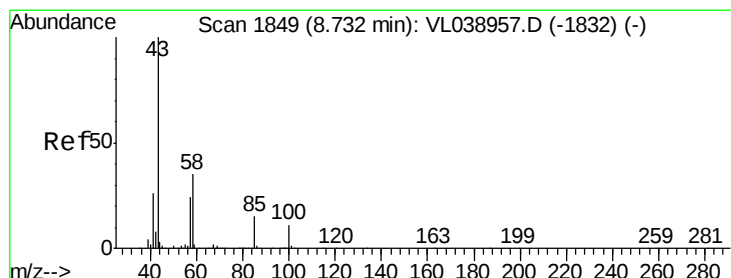
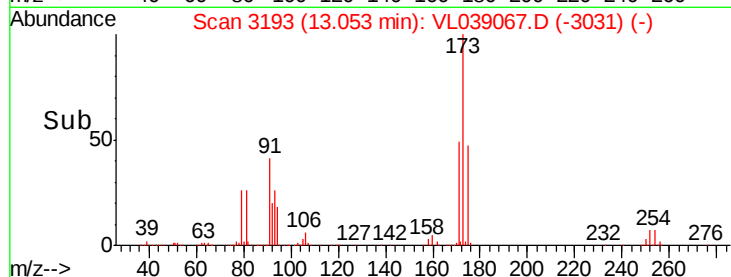
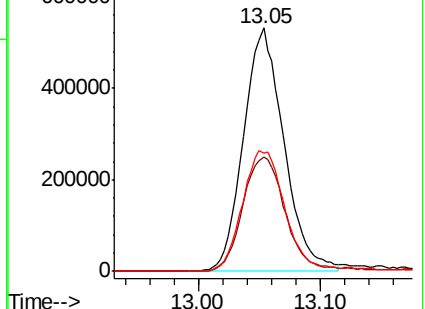
171 54.7 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.354 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.02 min

Lab File: VL039067.D

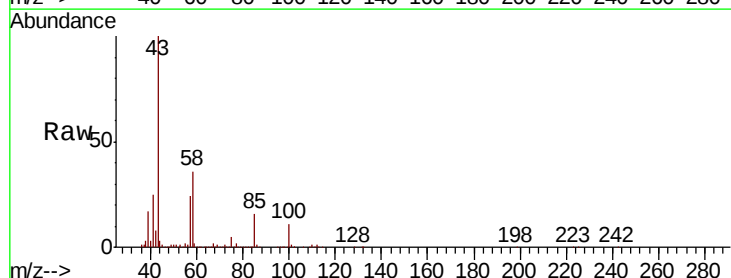
Acq: 17 May 2022 12:25

Tgt Ion: 43 Resp: 2297967

Ion Ratio Lower Upper

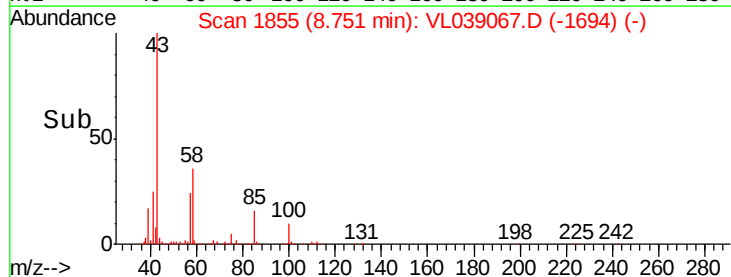
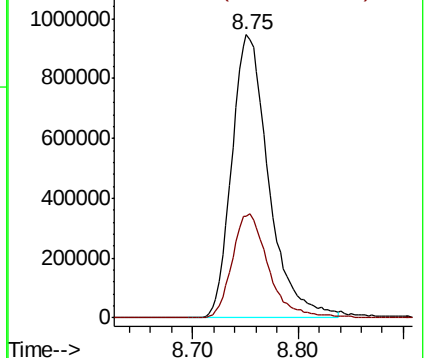
43 100

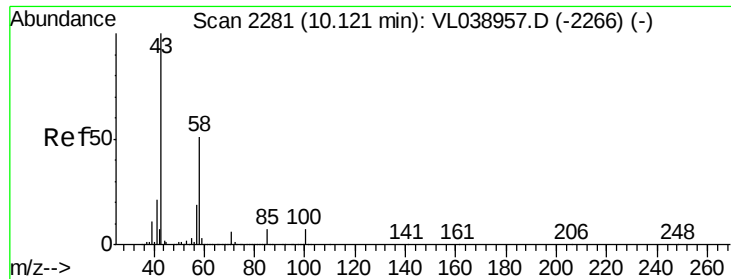
58 36.8 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

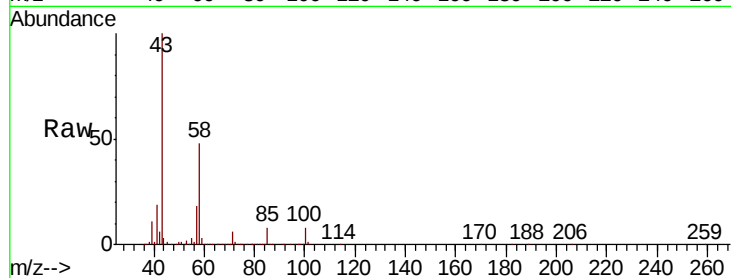
Ion 58.10 (57.80 to 58.80): VL0



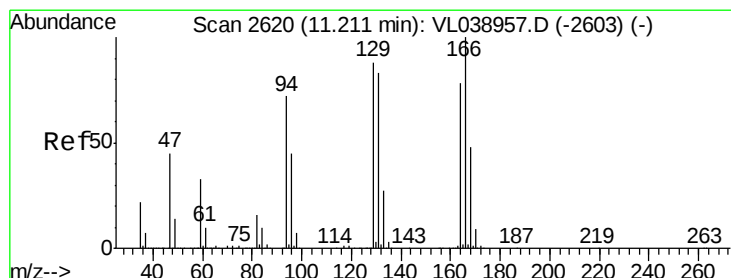
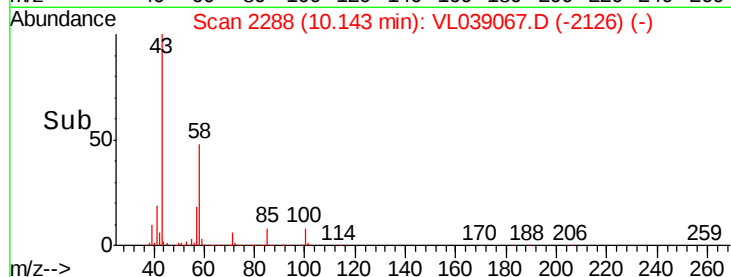
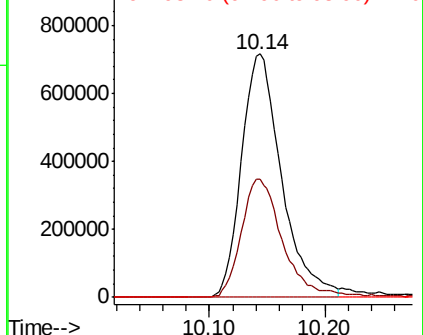


#51
2-Hexanone
Concen: 9.590 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010
Acq: 17 May 2022 12:25

Tot Ion: 43 Resp: 1719458
Ion Ratio Lower Upper
43 100
58 51.2 39.3 58.9
98 0.1 0.2 0.2#

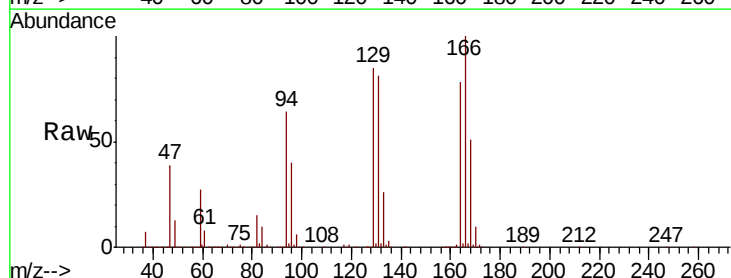


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

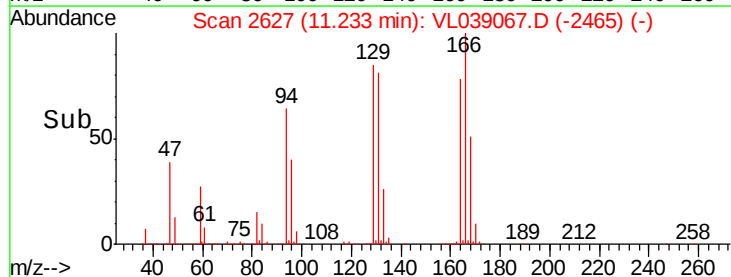
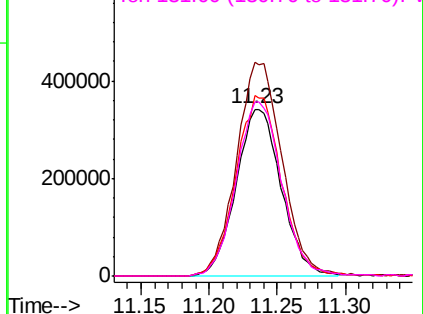


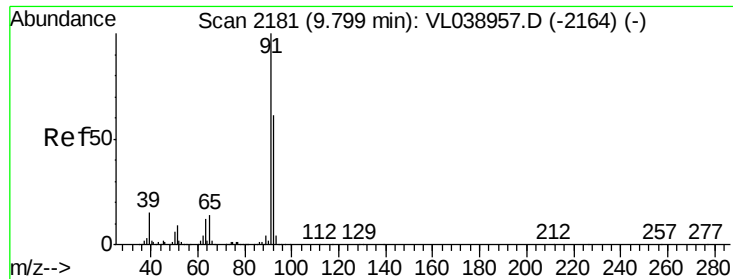
#52
Tetrachloroethene
Concen: 9.283 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.02 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

Tgt Ion: 164 Resp: 779602
Ion Ratio Lower Upper
164 100
166 128.4 102.5 153.7
129 108.6 90.1 135.1
131 104.2 84.8 127.2



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: 10.121 ppbv

RT: 9.82 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: ClientSampleId: VSTDCCC010

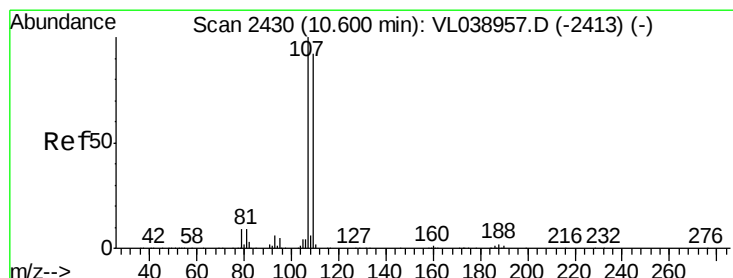
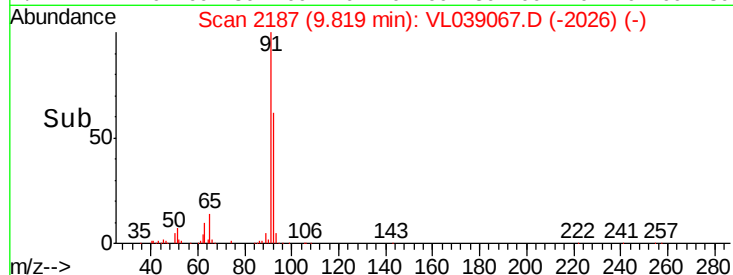
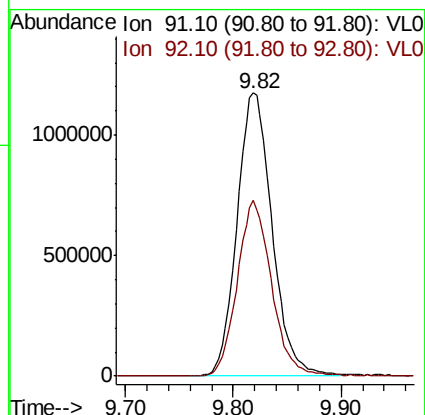
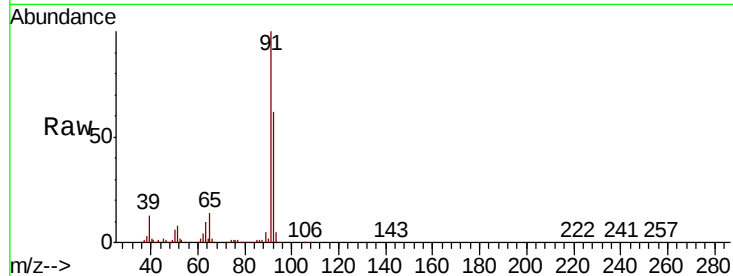
Acq: 17 May 2022 12:25

Tot Ion: 91 Resp: 2665977

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.329 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.02 min

Lab File: VL039067.D

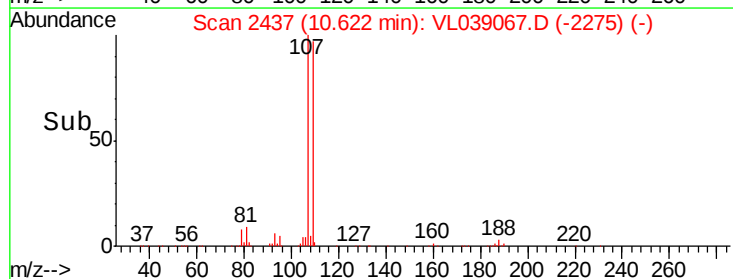
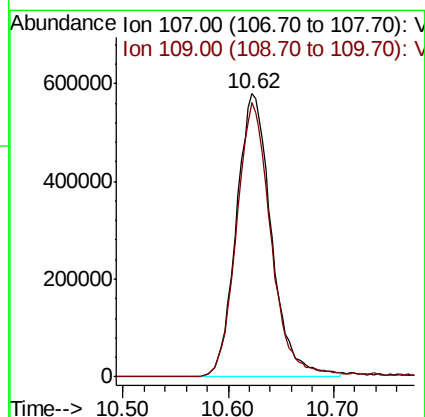
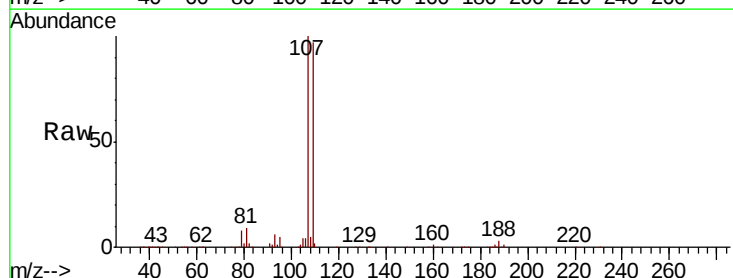
Acq: 17 May 2022 12:25

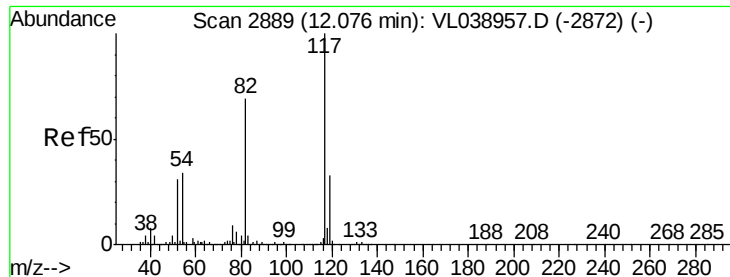
Tgt Ion: 107 Resp: 1337370

Ion Ratio Lower Upper

107 100

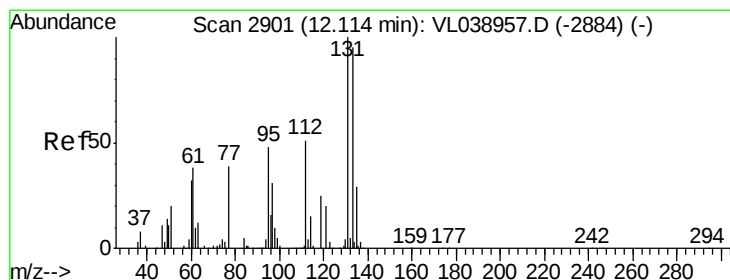
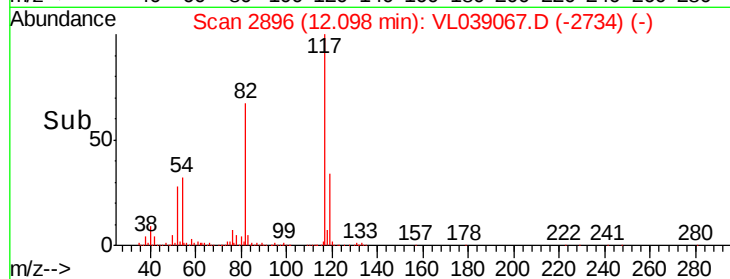
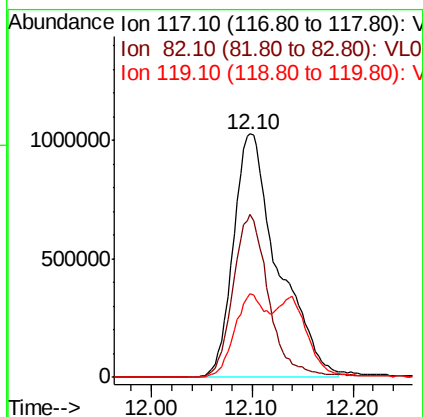
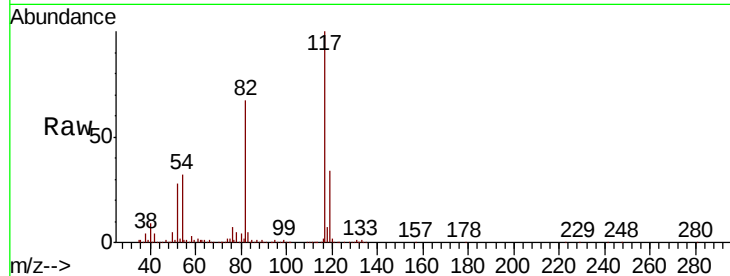
109 96.8 73.8 110.8





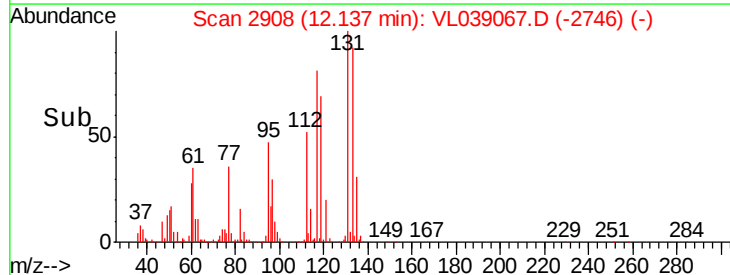
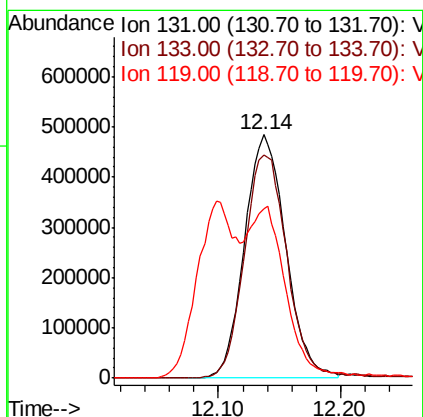
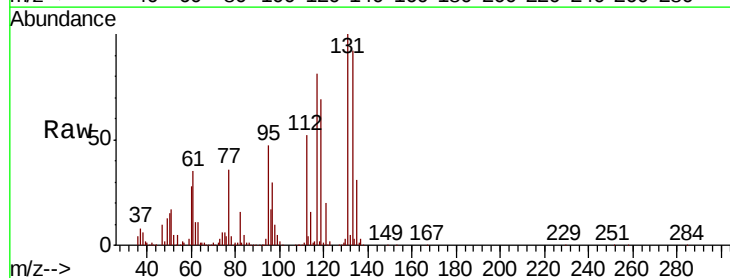
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010
Acq: 17 May 2022 12:25

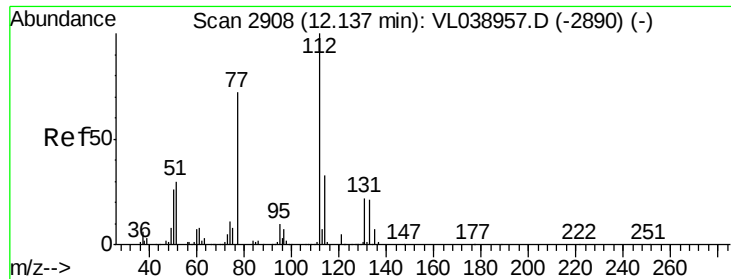
Tot Ion:117 Resp: 3174601
Ion Ratio Lower Upper
117 100
82 54.2 57.0 85.6#
119 24.1 27.2 40.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.111 ppbv
RT: 12.14 min Scan# 2908
Delta R.T.: 0.02 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

Tgt Ion:131 Resp: 1129730
Ion Ratio Lower Upper
131 100
133 96.2 76.9 115.3
119 69.0 47.4 71.0

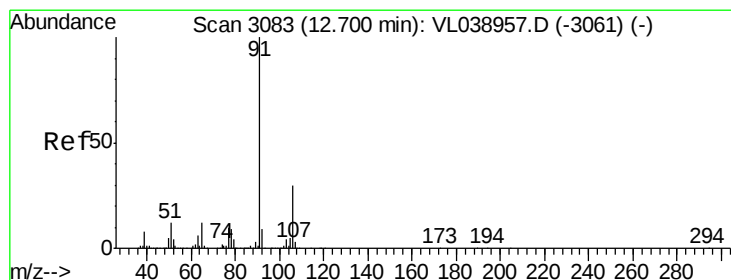
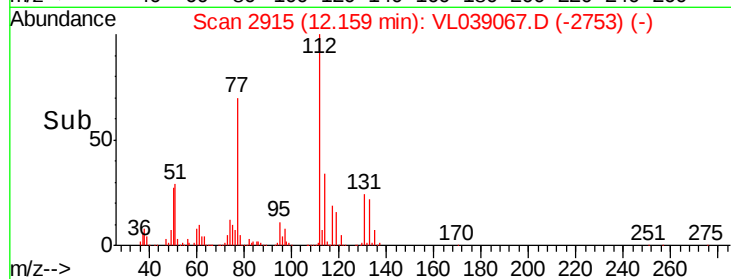
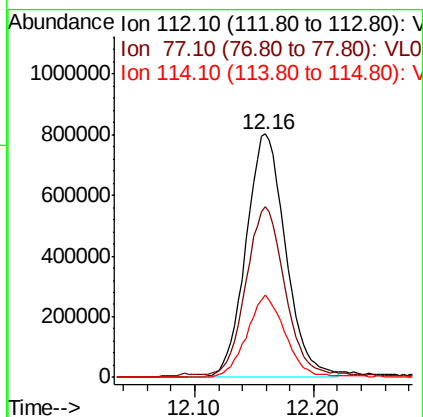
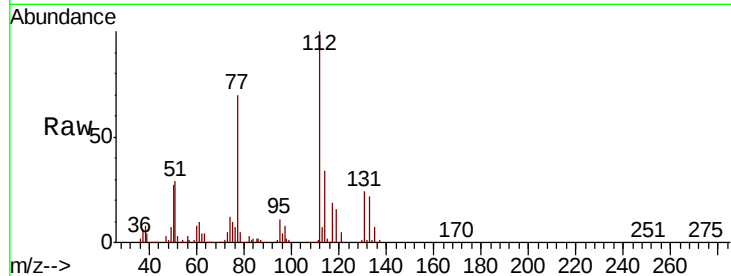




#57
Chlorobenzene
Concen: 7.783 ppbv
RT: 12.16 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VSTDCCC010
Acq: 17 May 2022 12:25

Tot Ion: 112 Resp: 1852053

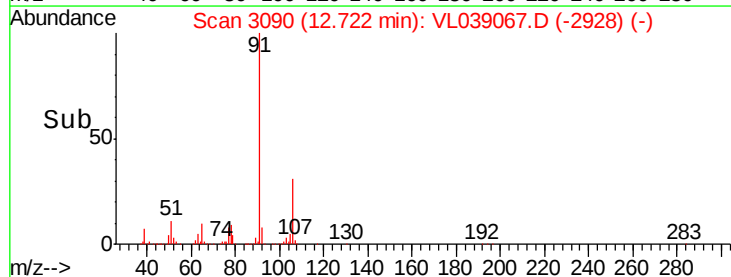
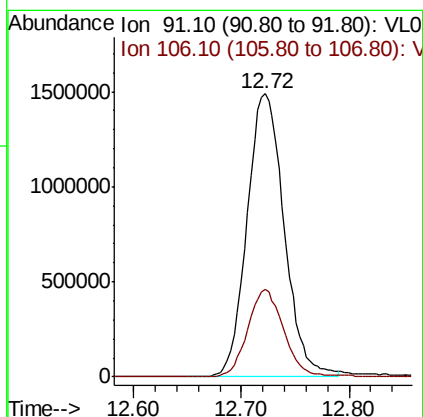
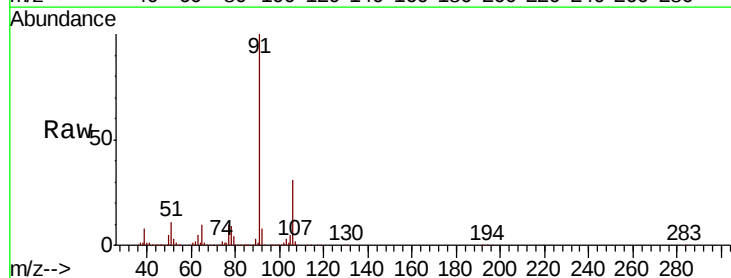
Ion	Ratio	Lower	Upper
112	100		
77	68.6	57.7	86.5
114	34.0	30.1	36.7

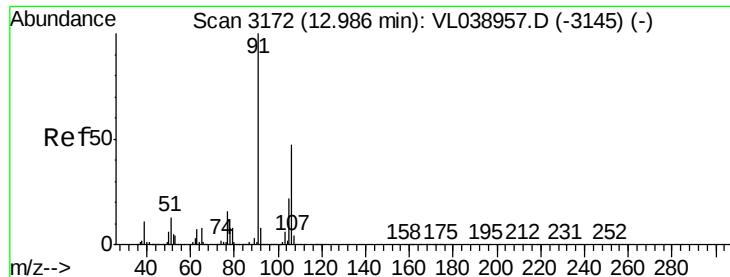


#58
Ethyl Benzene
Concen: 7.800 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.02 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

Tgt Ion: 91 Resp: 3563665

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4





#59

m/p-Xylene

Concen: 7.594 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

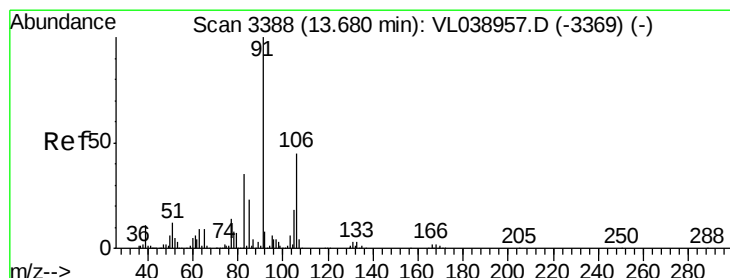
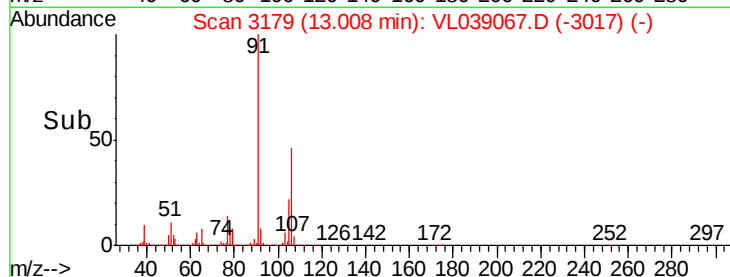
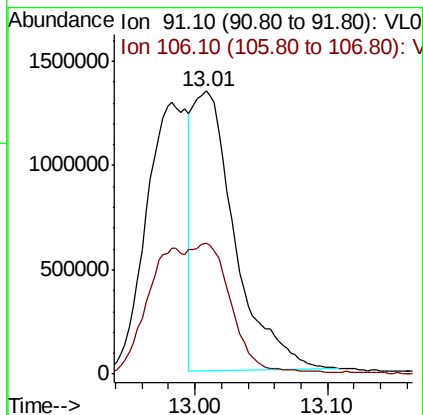
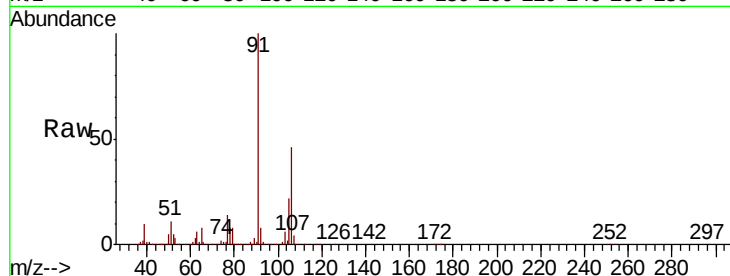
Acq: 17 May 2022 12:25

Tot Ion: 91 Resp: 2961950

Ion Ratio Lower Upper

91 100

106 87.6 34.6 52.0#



#60

o-Xylene

Concen: 7.628 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.02 min

Lab File: VL039067.D

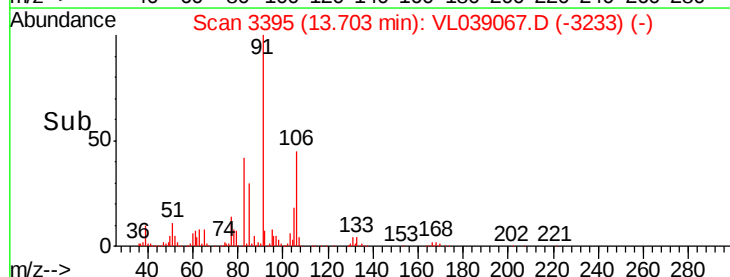
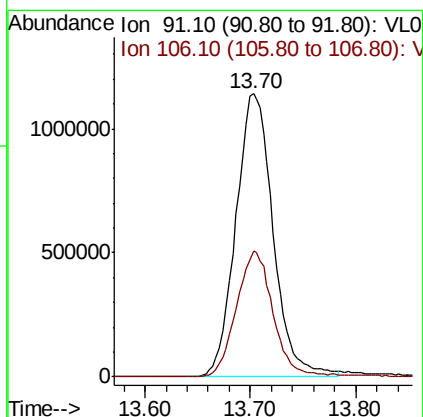
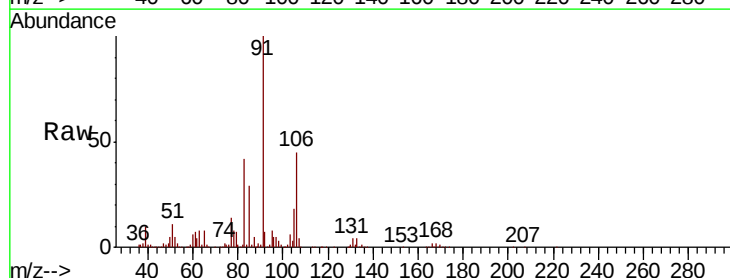
Acq: 17 May 2022 12:25

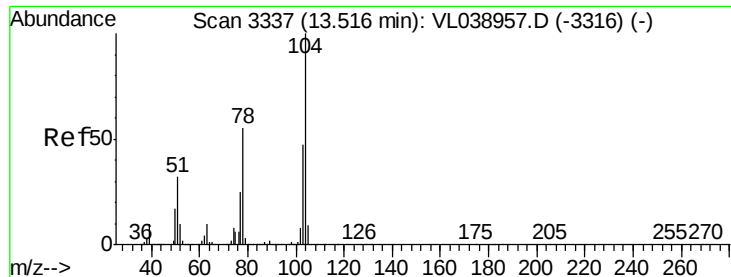
Tgt Ion: 91 Resp: 2800213

Ion Ratio Lower Upper

91 100

106 44.6 22.2 66.6





#61

Stvrene

Concen: 8.132 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 12:25

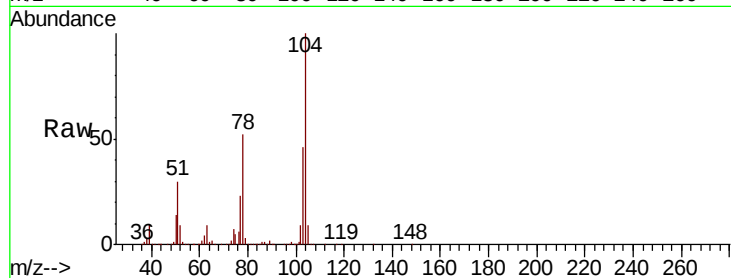
Tot Ion:104 Resp: 1593713

Ion Ratio Lower Upper

104 100

78 54.2 46.4 69.6

103 48.9 39.3 58.9



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

800000

600000

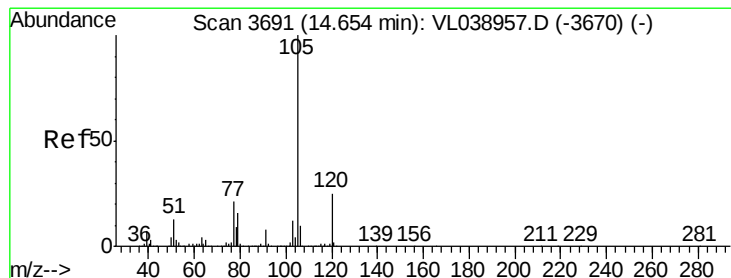
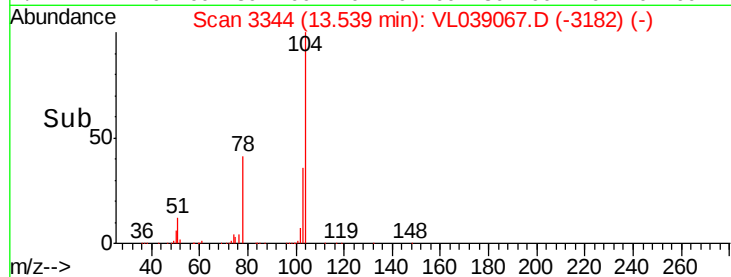
400000

200000

0

13.45 13.50 13.55 13.60

Time-->



#62

Isopropylbenzene

Concen: 7.907 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.03 min

Lab File: VL039067.D

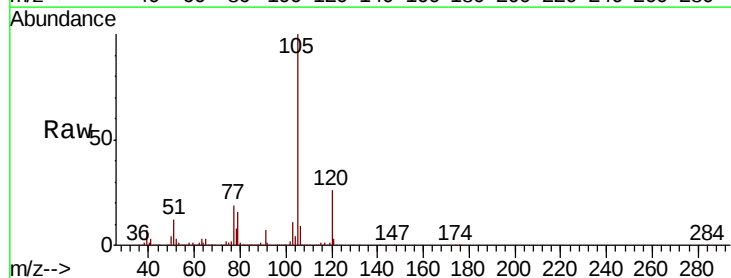
Acq: 17 May 2022 12:25

Tgt Ion:105 Resp: 4244562

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

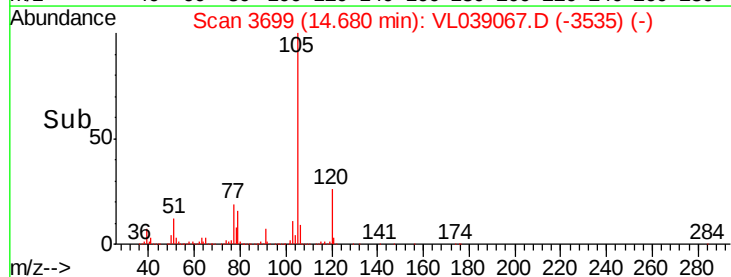
1000000

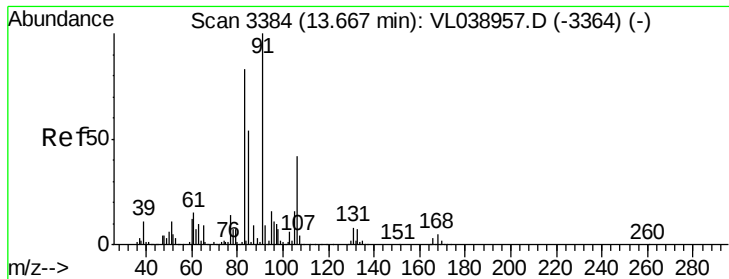
500000

0

14.60 14.70

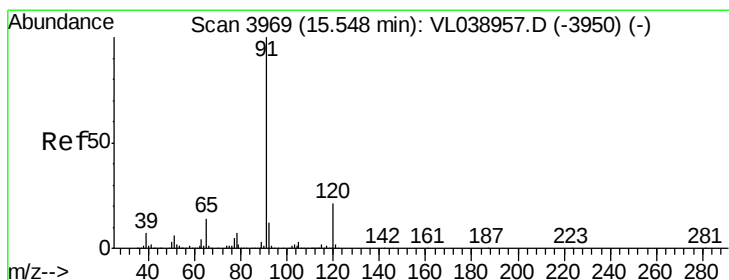
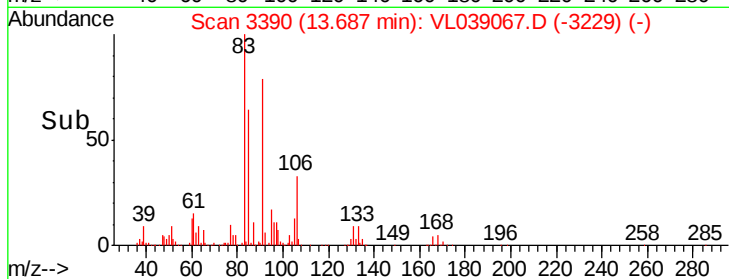
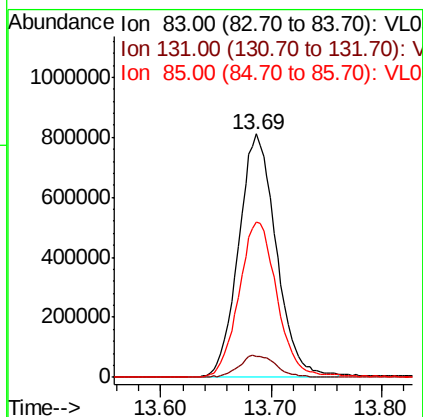
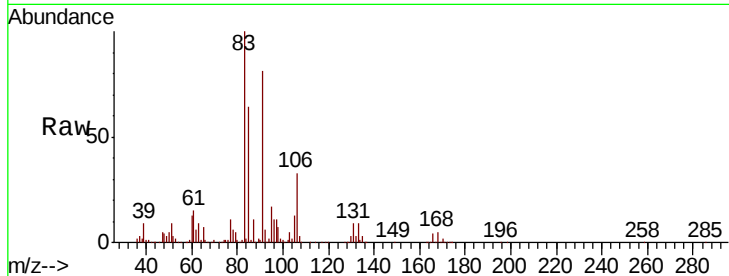
Time-->





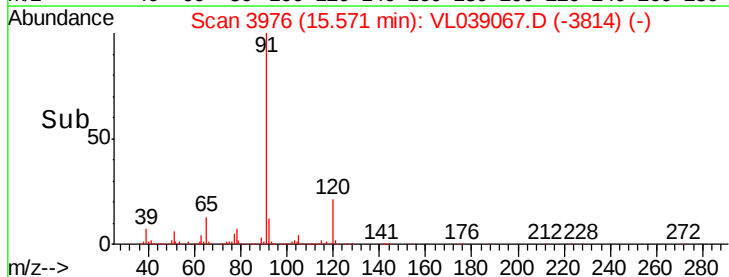
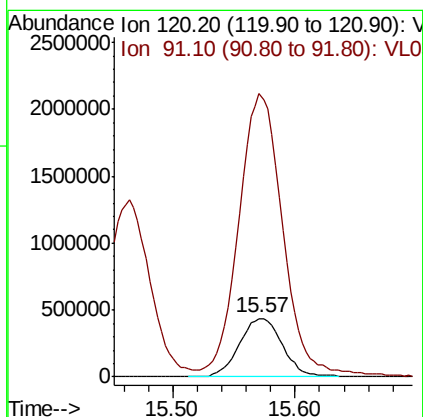
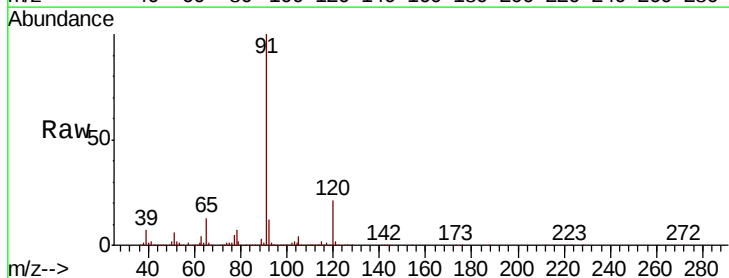
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.871 ppbv
 RT: 13.69 min
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

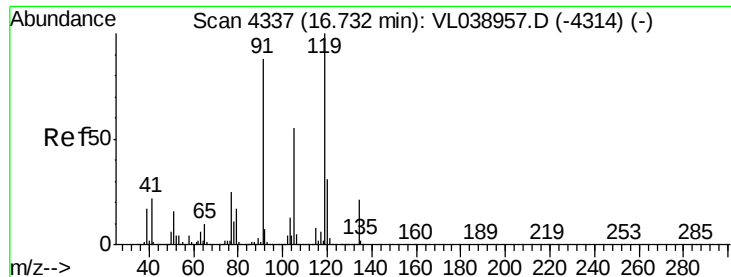
Tot Ion: 83 Resp: 1917500
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.7
 85 65.3 32.8 98.3



#64
 n-propylbenzene
 Concen: 8.224 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

Tgt Ion: 120 Resp: 1067398
 Ion Ratio Lower Upper
 120 100
 91 499.2 400.6 601.0





#65

tert-Butylbenzene

Concen: 7.770 ppbv

RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 12:25

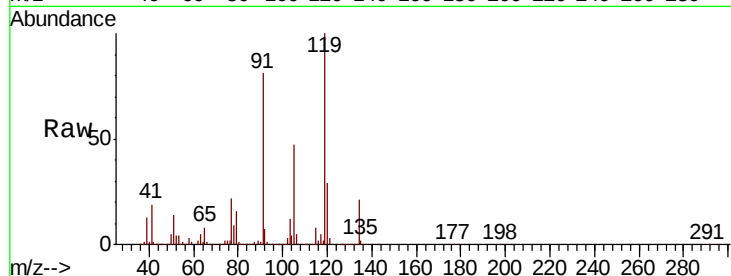
Tot Ion:119 Resp: 3654778

Ion Ratio Lower Upper

119 100

91 82.8 69.4 104.2

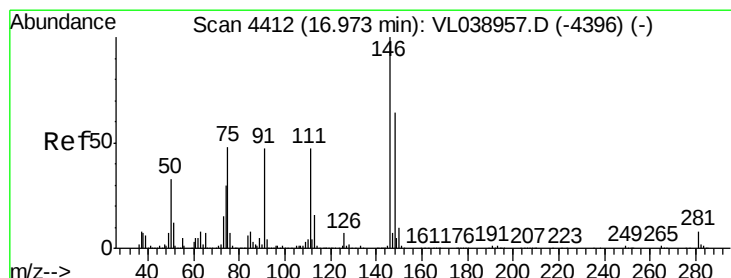
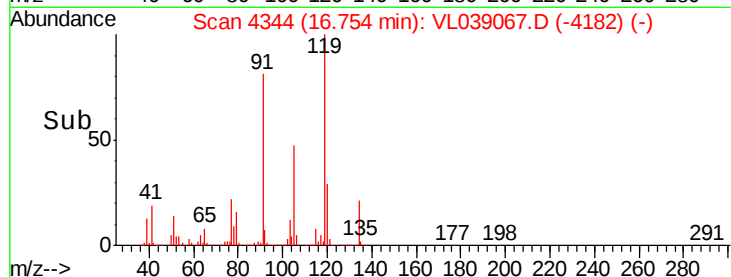
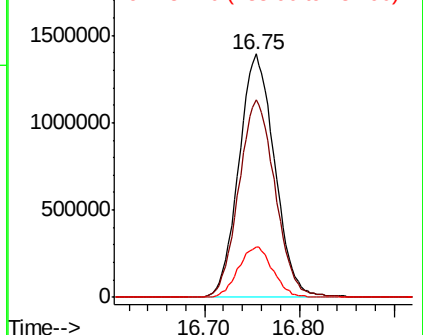
134 20.0 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 3.817 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.03 min

Lab File: VL039067.D

Acq: 17 May 2022 12:25

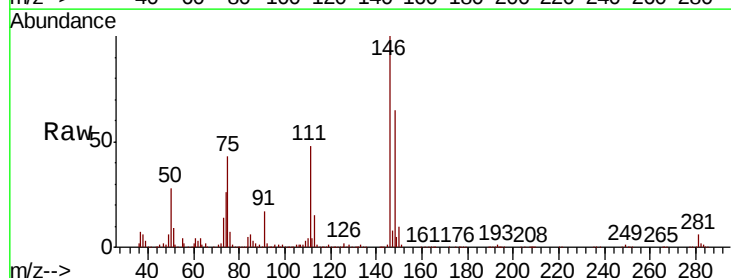
Tgt Ion: 91 Resp: 234669

Ion Ratio Lower Upper

91 100

126 16.1 11.8 17.6

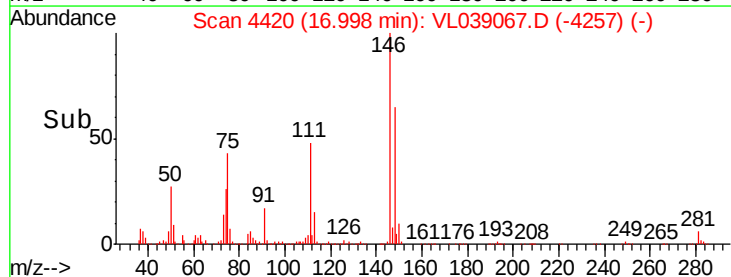
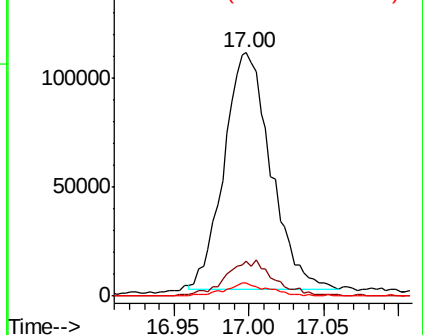
128 5.3 4.2 6.2

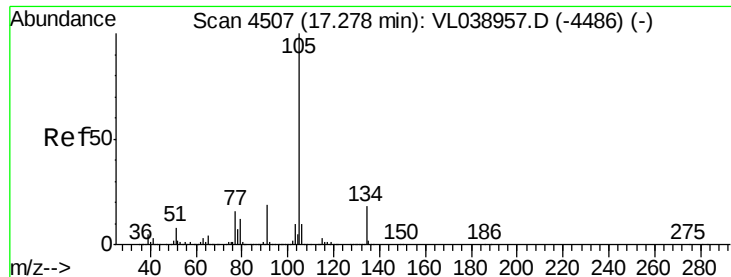


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.832 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

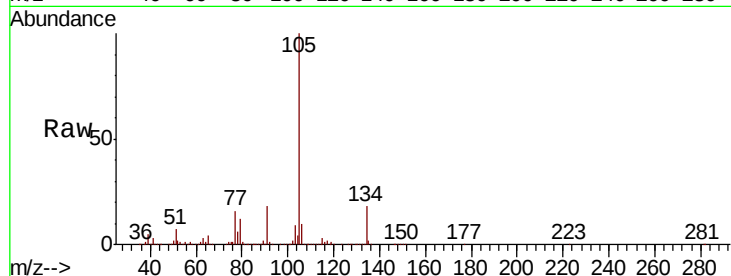
Acq: 17 May 2022 12:25

Tot Ion: 105 Resp: 5263214

Ion Ratio Lower Upper

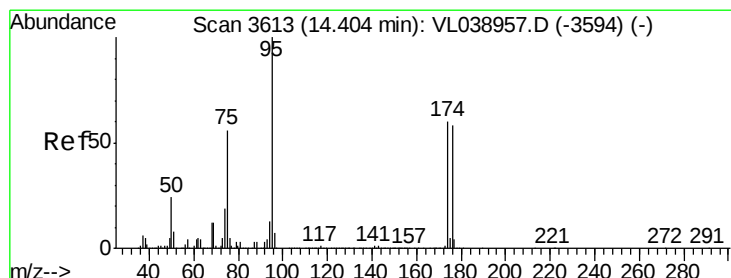
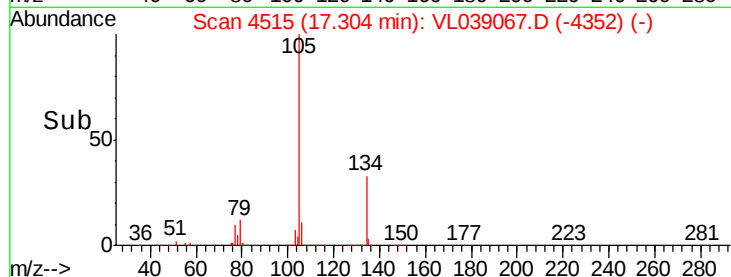
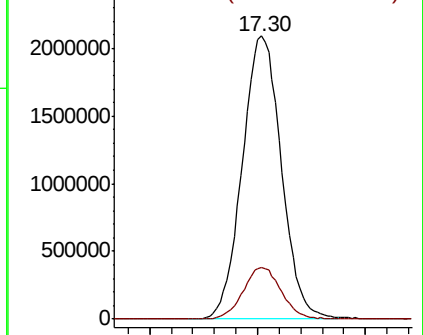
105 100

134 17.8 14.2 21.4



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: 7.731 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.02 min

Lab File: VL039067.D

Acq: 17 May 2022 12:25

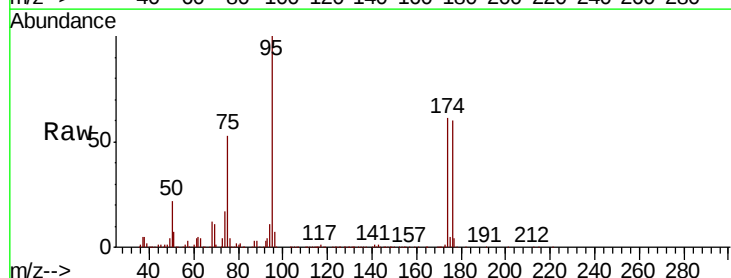
Tgt Ion: 95 Resp: 1943765

Ion Ratio Lower Upper

95 100

174 64.9 50.8 76.2

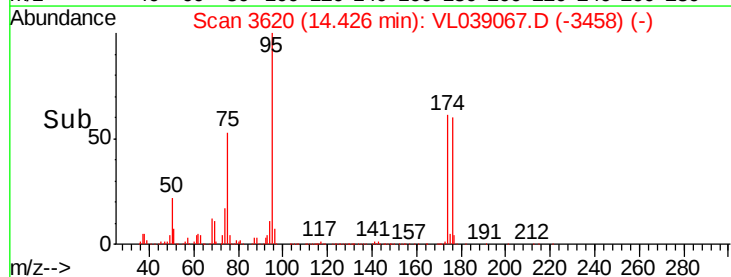
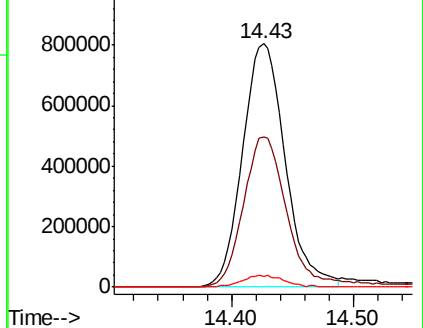
175 5.0 3.8 5.6

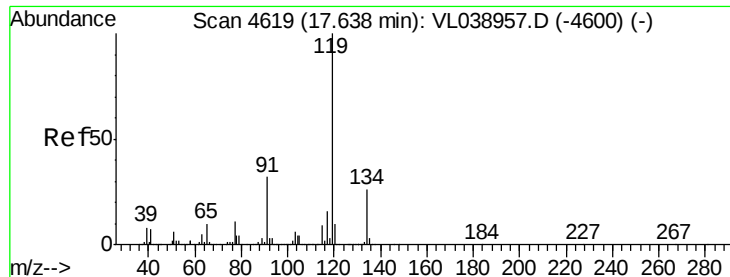


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

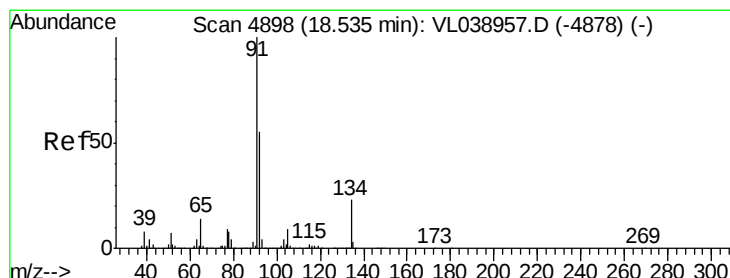
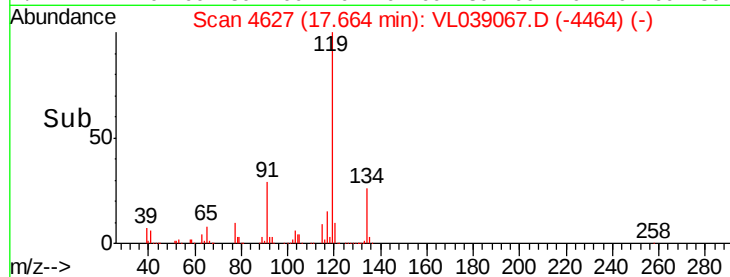
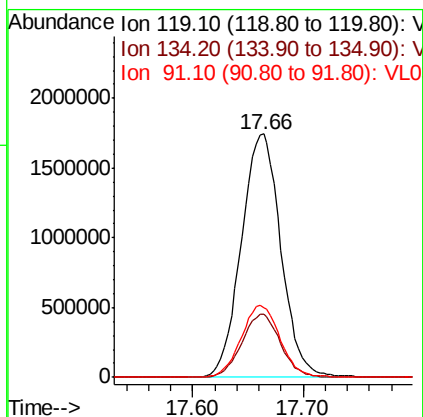
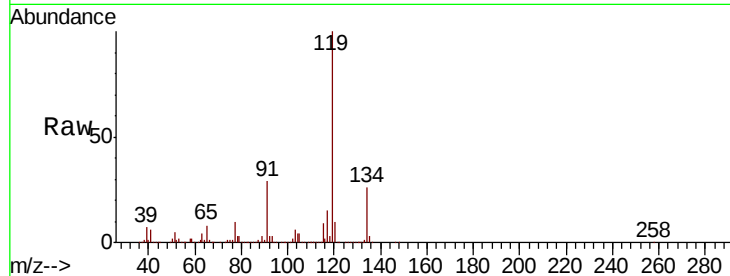




#69
 p-Isopropyltoluene
 Concen: 7.971 ppbv
 RT: 17.66 min
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

Tot Ion: 119 Resp: 4327163

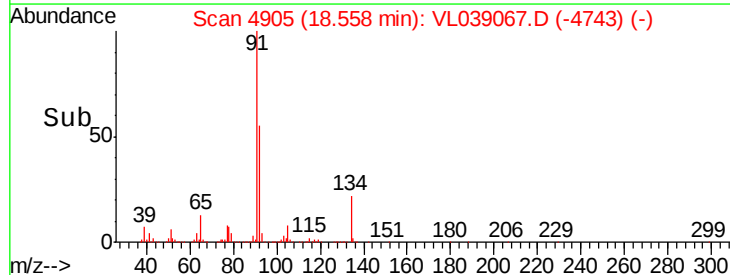
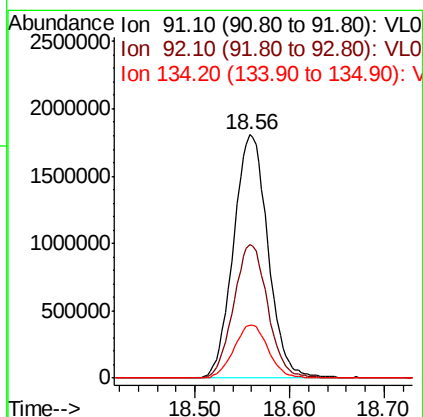
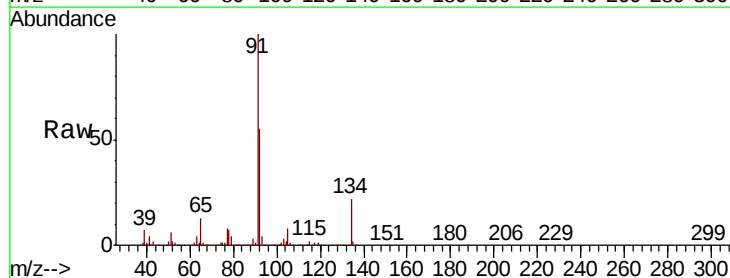
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.0	30.0
91	29.2	24.8	37.2

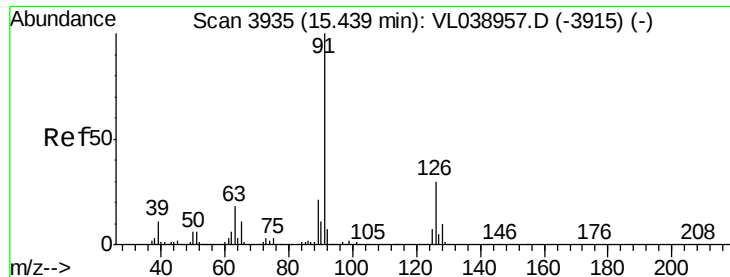


#70
 n-Butylbenzene
 Concen: 7.943 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.02 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

Tgt Ion: 91 Resp: 4581111

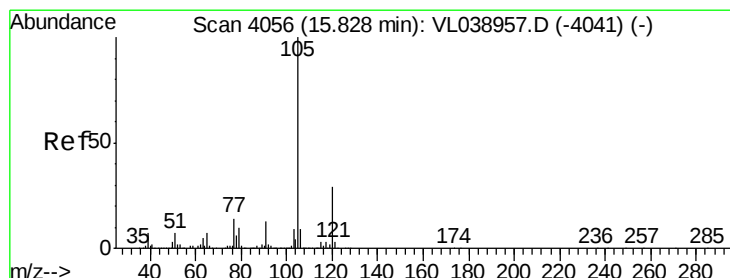
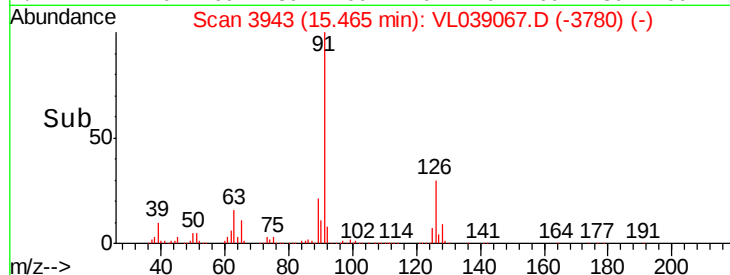
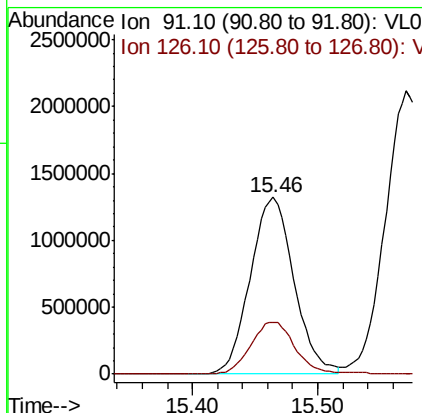
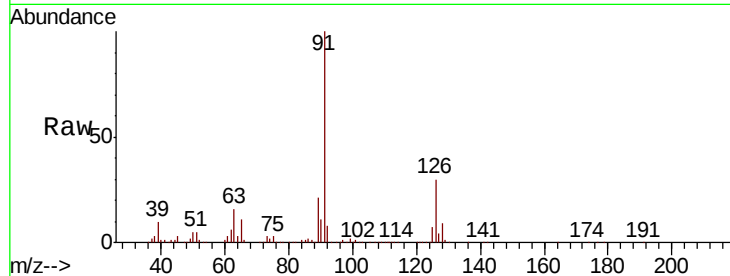
Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.1	64.7
134	21.8	17.0	25.4





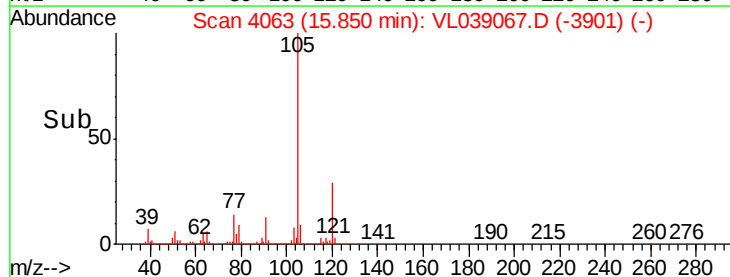
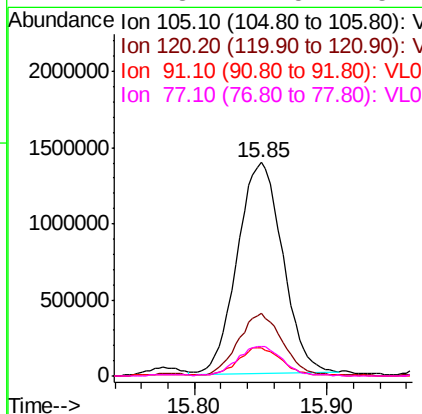
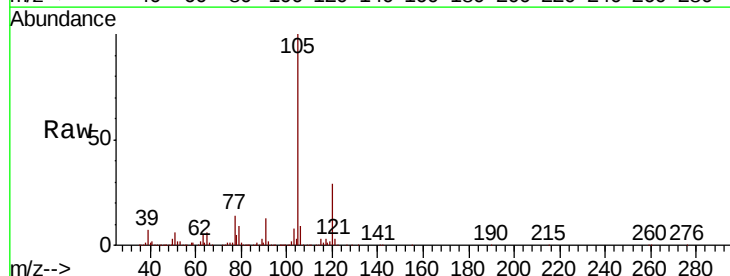
#71
2-Chlorotoluene
Concen: 7.755 ppbv
RT: 15.46 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 17 May 2022 12:25

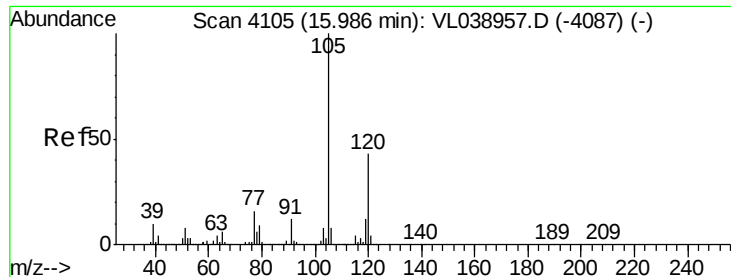
Tot Ion: 91 Resp: 3209126
Ion Ratio Lower Upper
91 100
126 30.7 11.9 47.5



#72
4-Ethyltoluene
Concen: 7.851 ppbv
RT: 15.85 min Scan# 4063
Delta R.T.: 0.02 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

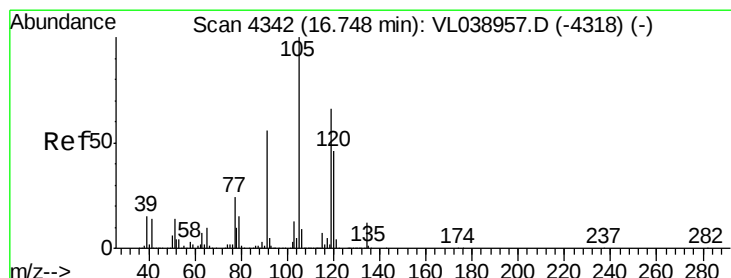
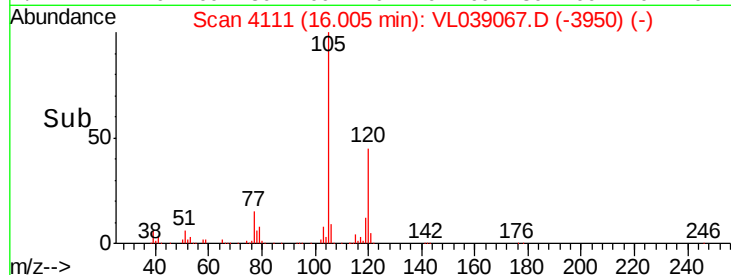
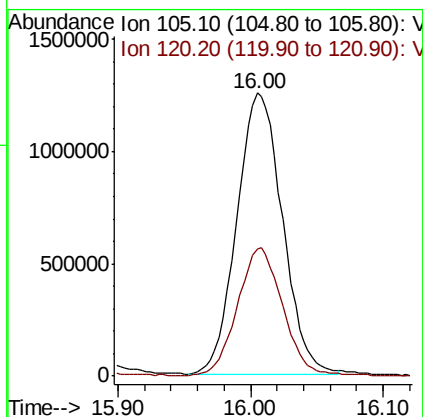
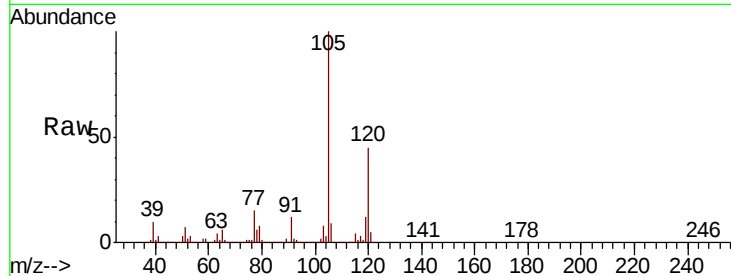
Tgt Ion:105 Resp: 3283884
Ion Ratio Lower Upper
105 100
120 29.7 23.4 35.0
91 12.8 10.6 16.0
77 14.3 12.5 18.7





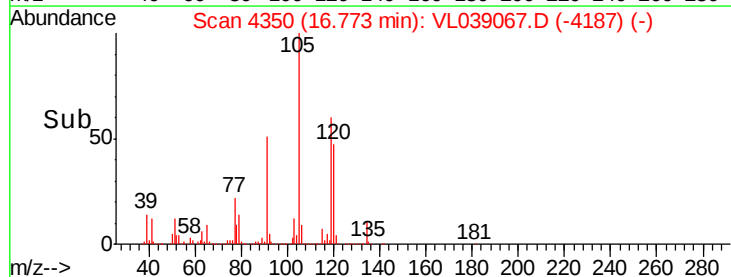
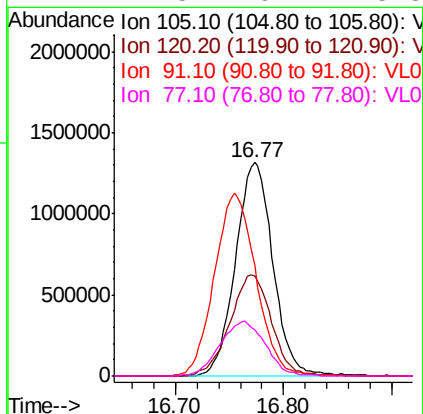
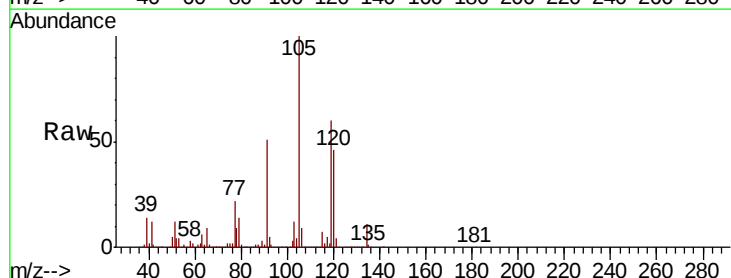
#73
 1,3,5-Trimethylbenzene
 Concen: 7.911 ppbv
 RT: 16.00 min
 Delta R.T. 0.03 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

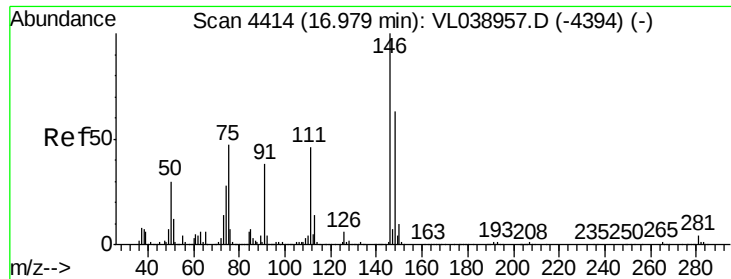
Tot Ion:105 Resp: 2979174
 Ion Ratio Lower Upper
 105 100
 120 44.8 34.4 51.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.678 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. 0.03 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

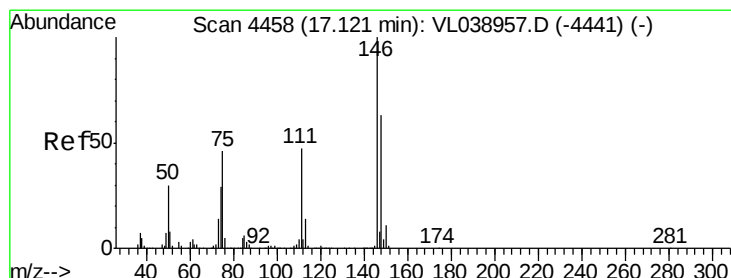
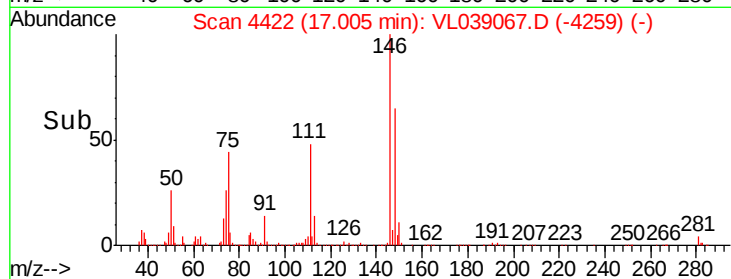
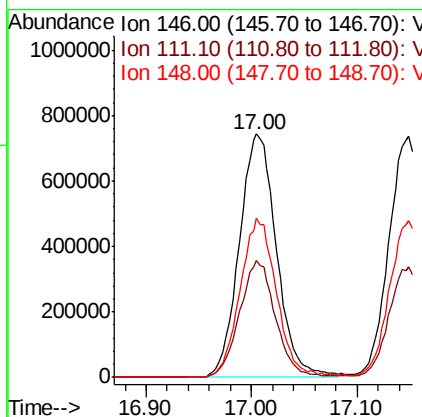
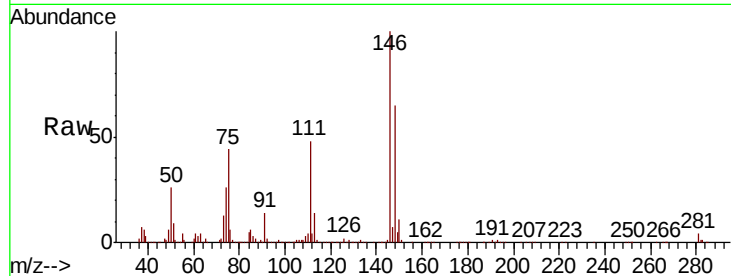
Tgt Ion:105 Resp: 3165841
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.9 55.3
 91 51.1 45.0 67.4
 77 21.5 19.2 28.8





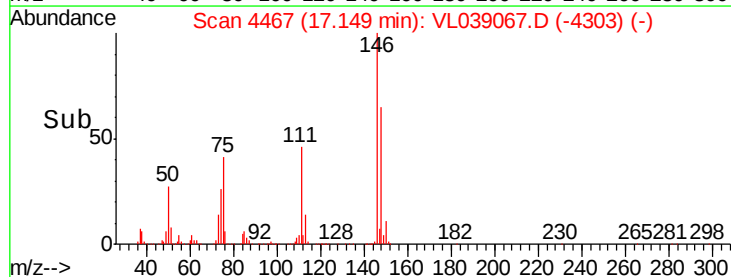
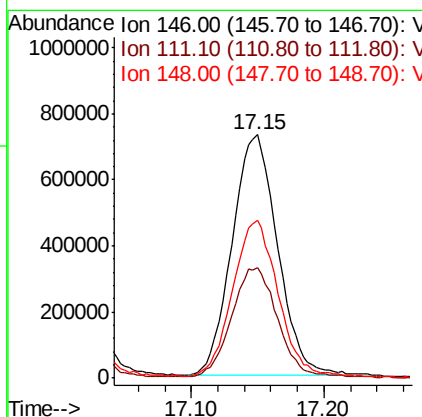
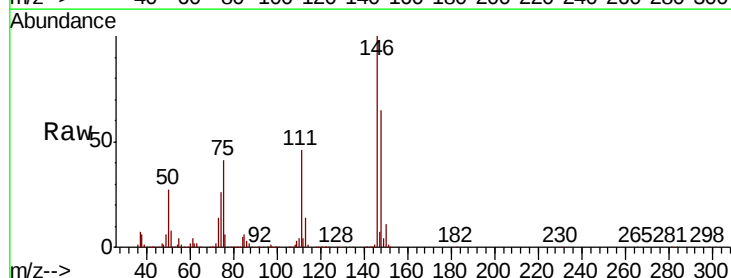
#75
 1,3-Dichlorobenzene
 Concen: 8.062 ppbv
 RT: 17.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 17 May 2022 12:25

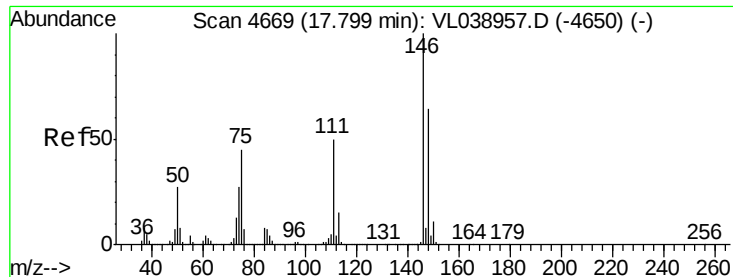
Tot Ion:146 Resp: 1821297
 Ion Ratio Lower Upper
 146 100
 111 46.6 24.1 72.2
 148 64.1 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 7.779 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.03 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

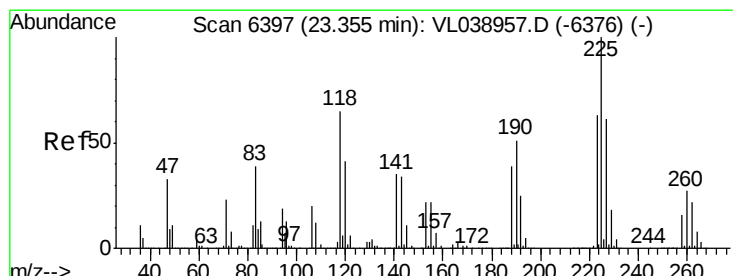
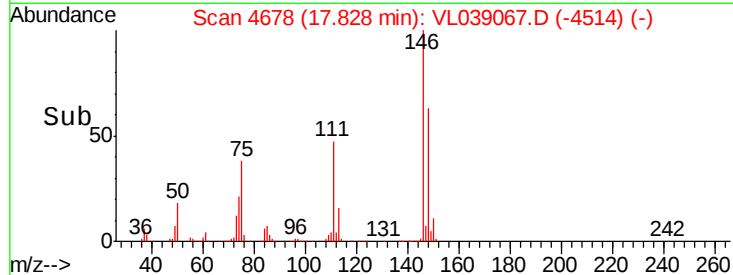
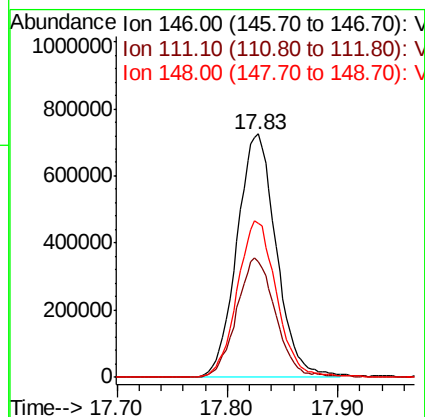
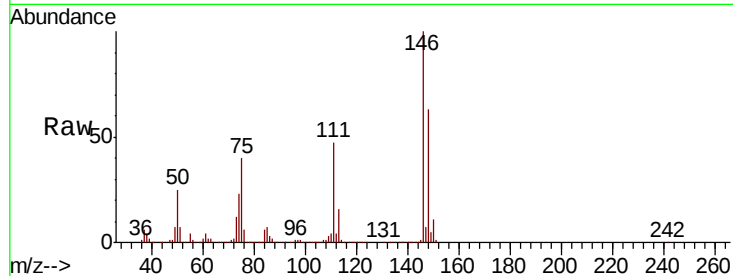
Tgt Ion:146 Resp: 1728810
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.6 71.0
 148 66.9 32.2 96.6





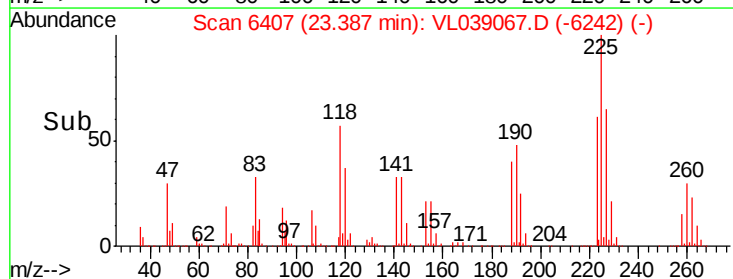
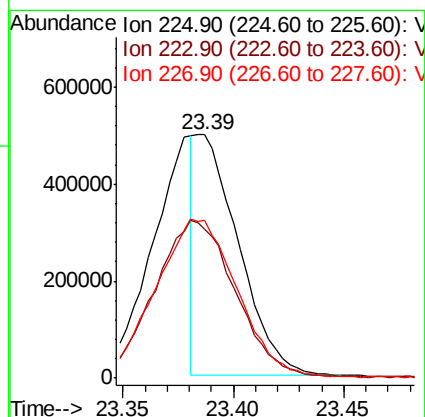
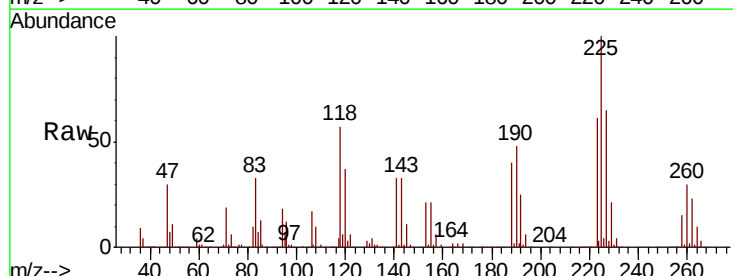
#77
 1,2-Dichlorobenzene
 Concen: 7.985 ppbv
 RT: 17.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 17 May 2022 12:25

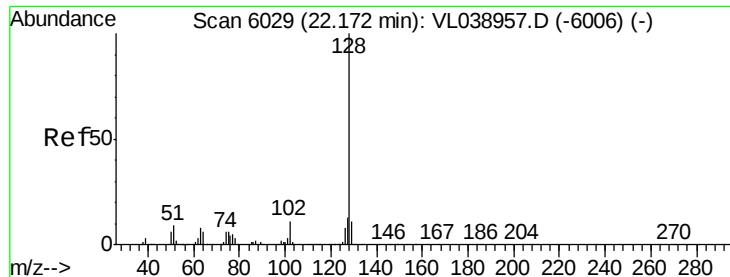
Tot Ion:146	Resp: 1784187
Ion Ratio	Lower Upper
146 100	
111 48.7	25.3 75.9
148 64.5	32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 3.276 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. 0.03 min
 Lab File: VL039067.D
 Acq: 17 May 2022 12:25

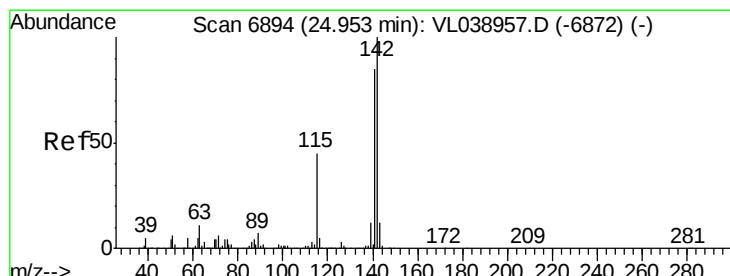
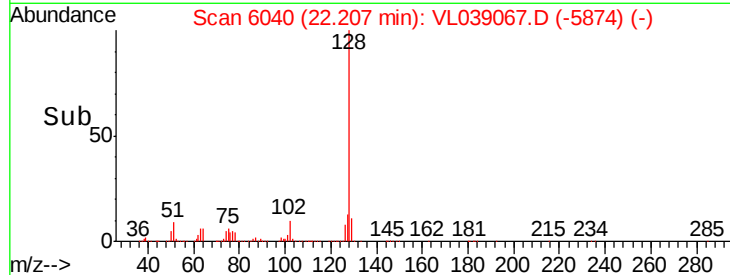
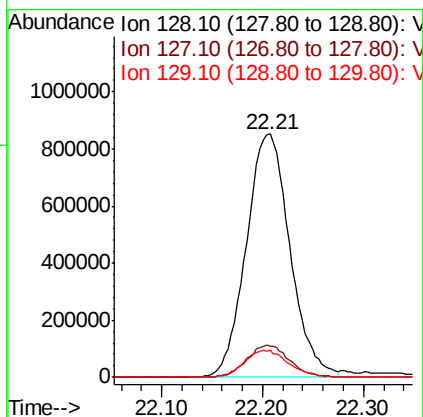
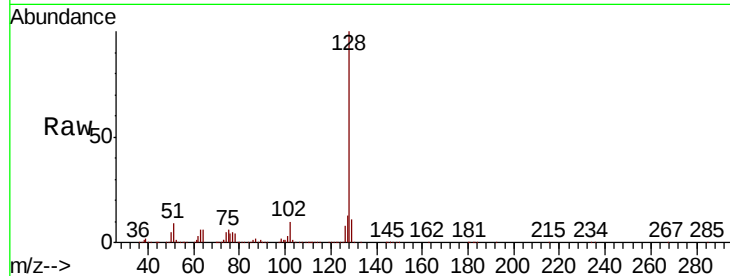
Tgt	Ion:225	Resp:	672627
Ion	Ratio	Lower	Upper
225	100		
223	125.8	51.4	77.0#
227	127.8	51.4	77.0#





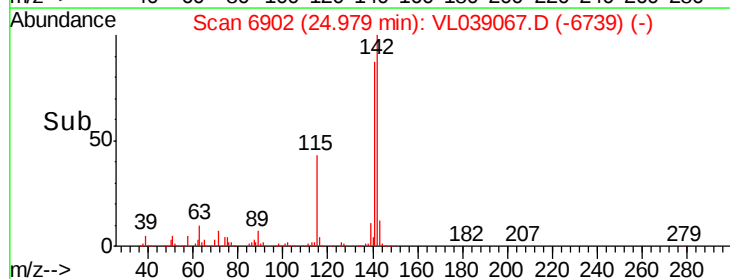
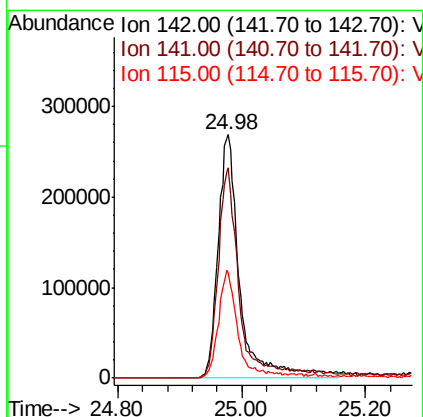
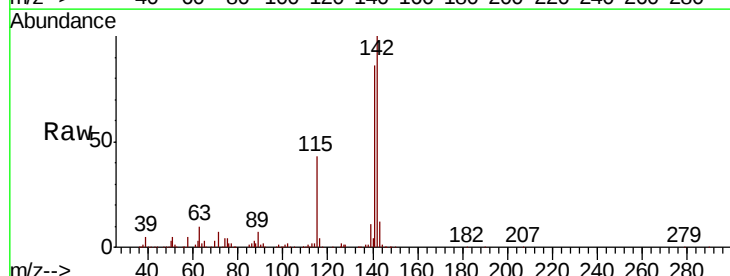
#79
Naphthalene
Concen: 7.649 ppbv
RT: 22.21 min
Delta R.T.: 0.03 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

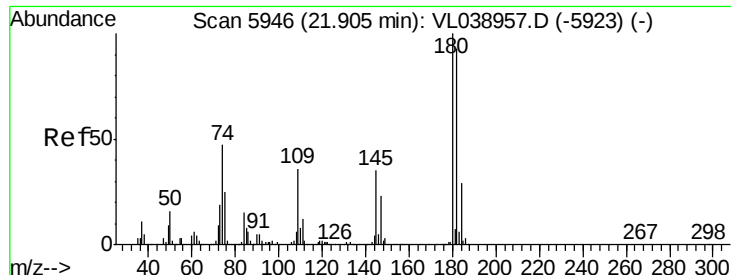
Tot Ion:	128	Resp:	2562095
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.2	8.9	13.3



#80
Naphthalene, 2-methyl-
Concen: 6.519 ppbv
RT: 24.98 min Scan# 6902
Delta R.T.: 0.03 min
Lab File: VL039067.D
Acq: 17 May 2022 12:25

Tgt Ion:	142	Resp:	660557
Ion	Ratio	Lower	Upper
142	100		
141	83.1	70.8	106.2
115	40.5	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 7.148 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 17 May 2022 12:25

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	78.4	117.6
184	30.2	24.4	36.6

