

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
 Data File : VL038444.D
 Acq On : 1 Mar 2022 9:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 02 03:01:49 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	898435	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2167562	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2480275	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1622463	7.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.10%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1169227	8.22	ppbv	98
3) Chlorodifluoromethane	2.99	51	1619644	10.21	ppbv	100
4) Chloromethane	3.14	50	575216	10.43	ppbv	99
5) Vinyl Chloride	3.26	62	581982	10.10	ppbv	97
6) Bromomethane	3.47	94	325172	10.70	ppbv	98
7) Chloroethane	3.56	64	194610	10.51	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1383529	10.45	ppbv	98
9) Propene	3.01	41	523040	9.99	ppbv	97
10) Heptane	8.11	43	1363932	10.70	ppbv	100
11) Trichlorofluoromethane	3.94	101	1437230	10.55	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1056128	10.57	ppbv	100
13) Ethanol	3.61	45	33090	6.33	ppbv	91
14) Bromoethene	3.74	108	425240	10.69	ppbv	98
15) Acetone	3.84	43	684726	8.96	ppbv	99
16) 1,3-Butadiene	3.32	39	555651	10.89	ppbv	96
17) tert-Butyl alcohol	4.28	59	890394	11.68	ppbv	100
18) 1,1-Dichloroethene	4.28	96	461404	10.52	ppbv	99
19) Isopropyl Alcohol	3.96	45	442407	10.00	ppbv #	95
20) Methylene Chloride	4.34	84	372580	9.84	ppbv	97
21) Allyl Chloride	4.40	41	668851	10.36	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	490297	11.08	ppbv	92
23) Vinyl Acetate	5.06	43	1087339	10.74	ppbv	99
24) 1,1-Dichloroethane	5.00	63	979507	10.76	ppbv	99
25) Ethyl Acetate	5.66	43	2076384	10.12	ppbv	99
26) Hexane	5.67	57	945871	10.18	ppbv	99
27) Carbon Disulfide	4.54	76	1176644	11.38	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	997596	10.54	ppbv	100
29) Chloroform	5.74	83	1574346	10.38	ppbv	96
30) Cyclohexane	7.11	84	824136	10.84	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	923315	10.25	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	1568210	10.28	ppbv	100
34) 2-Butanone	5.23	43	754858	11.07	ppbv	98
35) Carbon Tetrachloride	7.00	117	1633869	10.72	ppbv	99
36) Benzene	6.88	78	1999912	10.48	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1191671	10.81	ppbv	100
38) Trichloroethene	7.82	130	712087	10.25	ppbv	97
39) 1,2-Dichloropropane	7.60	63	794874	10.46	ppbv	96
40) 1,4-Dioxane	7.83	88	103179	5.72	ppbv #	1
41) Tetrahydrofuran	6.04	42	489427	10.63	ppbv	99
42) Bromodichloromethane	7.77	83	1688172	10.60	ppbv	97
43) Methyl Methacrylate	8.00	69	747019	11.26	ppbv	98

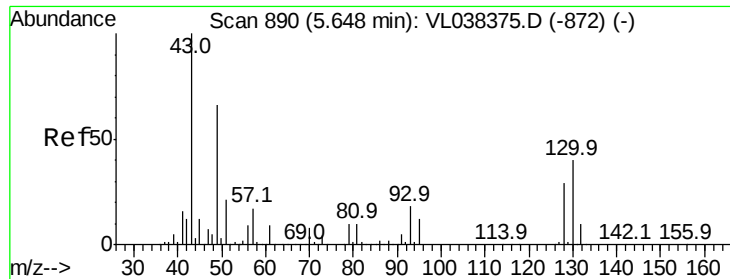
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
 Data File : VL038444.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3424117	10.44	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	601484	11.35	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	776999	11.18	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	776381	10.27	ppbv	98
48) Dibromochloromethane	10.28	129	1298070	10.50	ppbv	100
49) Bromoform	13.02	173	862809	9.45	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1375297	11.41	ppbv	100
51) 2-Hexanone	10.12	43	583411	10.81	ppbv #	98
52) Tetrachloroethene	11.20	164	602802	9.52	ppbv	97
53) Toluene	9.79	91	2176756	10.51	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1098192	10.32	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.10	131	841970	8.14	ppbv	97
57) Chlorobenzene	12.13	112	1451980	7.59	ppbv	98
58) Ethyl Benzene	12.69	91	2752231	8.11	ppbv	98
59) m/p-Xylene	12.97	91	2459037	8.44	ppbv #	39
60) o-Xylene	13.67	91	2157251	7.83	ppbv	99
61) Styrene	13.51	104	1034093	8.14	ppbv	98
62) Isopropylbenzene	14.64	105	2822662	7.64	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1440490	6.44	ppbv	99
64) n-propylbenzene	15.54	120	660853	7.22	ppbv	81
65) tert-Butylbenzene	16.72	119	2262714	7.07	ppbv	99
66) Benzyl Chloride	16.97	91	99910	5.78	ppbv	96
67) sec-Butylbenzene	17.27	105	3124510	6.89	ppbv	100
69) p-Isopropyltoluene	17.63	119	2533437	7.11	ppbv	99
70) n-Butylbenzene	18.53	91	2695052	7.31	ppbv	99
71) 2-Chlorotoluene	15.43	91	1978237	6.96	ppbv	98
72) 4-Ethyltoluene	15.82	105	2331674	7.69	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	1979813	7.19	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	2070561	7.12	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	1094466	6.72	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1050543	6.54	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	1033729	6.59	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	849155	7.10	ppbv	99
79) Naphthalene	22.17	128	1634376	10.37	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	261420	8.49	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	868134	9.11	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 9:19 VSTDCCC010

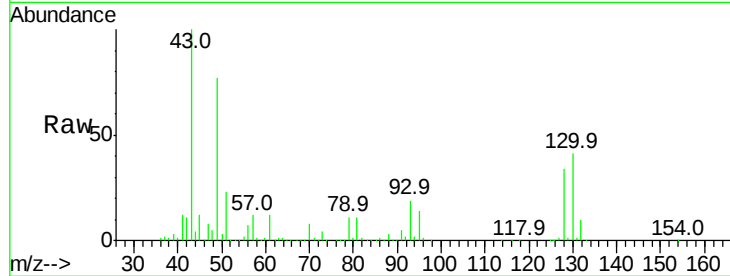
Tgt Ion: 49 Resp: 898435

Ion Ratio Lower Upper

49 100

128 48.4 24.3 72.9

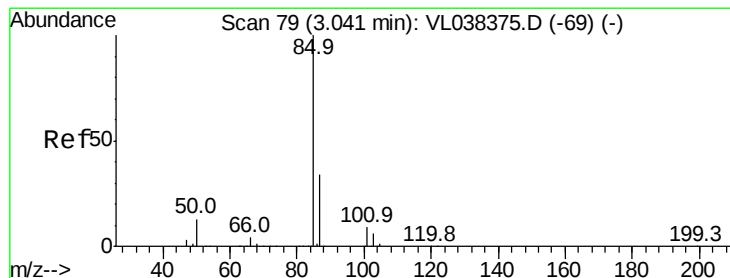
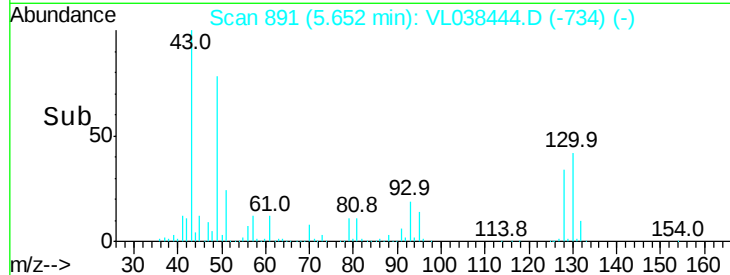
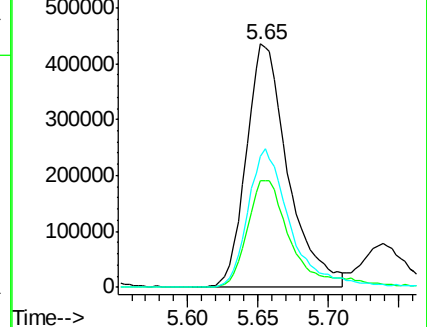
130 59.0 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.22 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL038444.D

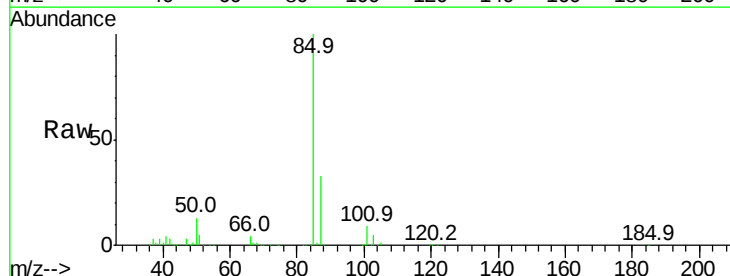
Acq: 1 Mar 2022 9:19

Tgt Ion: 85 Resp: 1169227

Ion Ratio Lower Upper

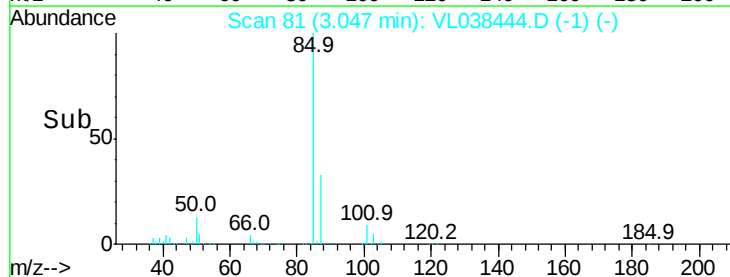
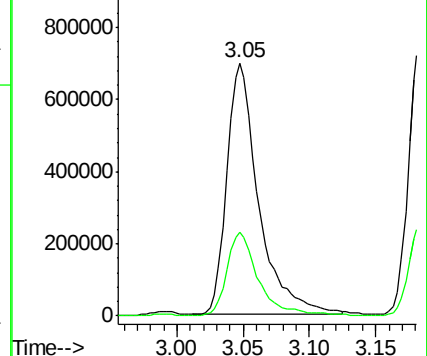
85 100

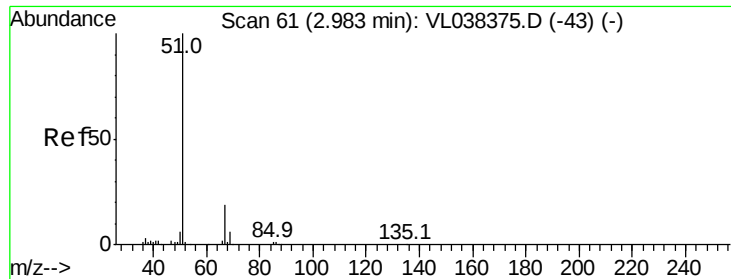
87 33.0 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.21 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

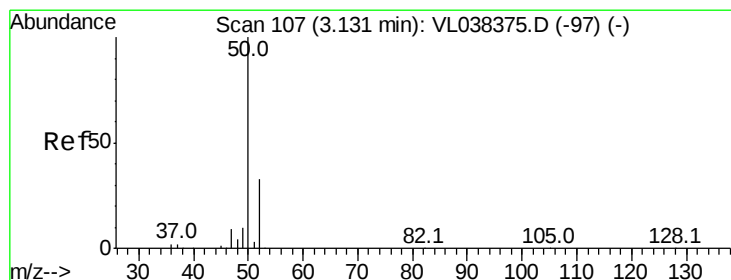
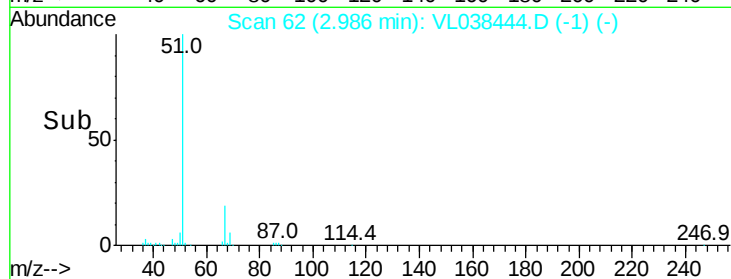
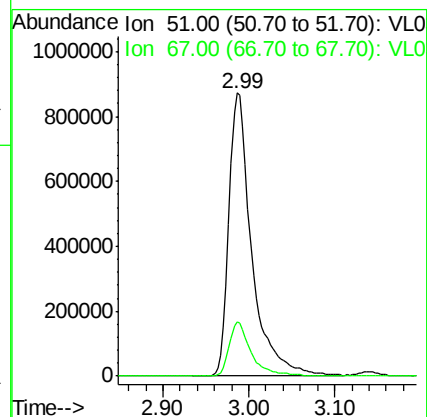
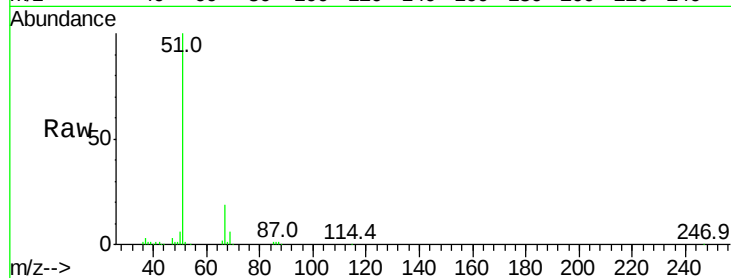
Acq: 1 Mar 2022 9:19 VSTDCCC010

Tgt Ion: 51 Resp: 1619644

Ion Ratio Lower Upper

51 100

67 18.5 14.7 22.1



#4

Chloromethane

Concen: 10.43 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL038444.D

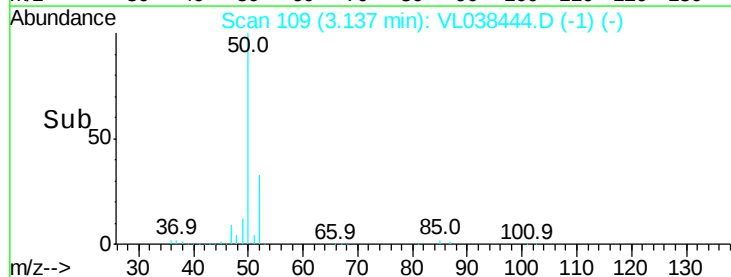
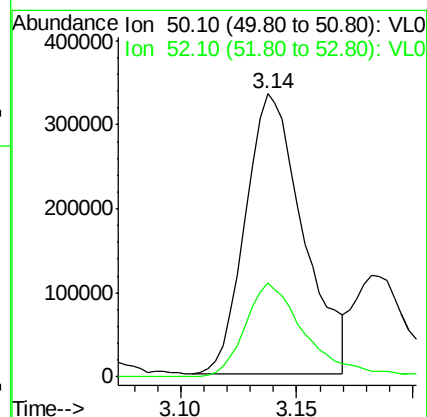
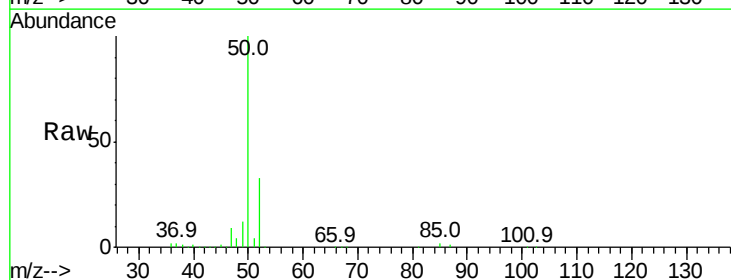
Acq: 1 Mar 2022 9:19

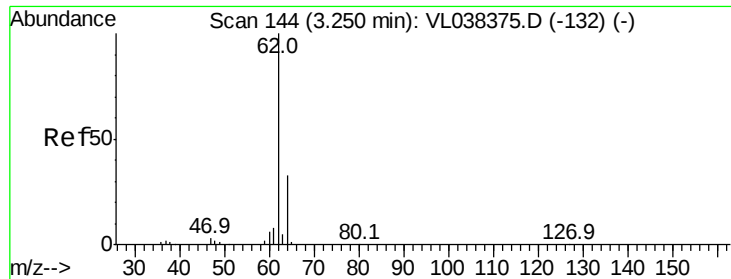
Tgt Ion: 50 Resp: 575216

Ion Ratio Lower Upper

50 100

52 33.7 26.5 39.7





#5

Vinyl Chloride

Concen: 10.10 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

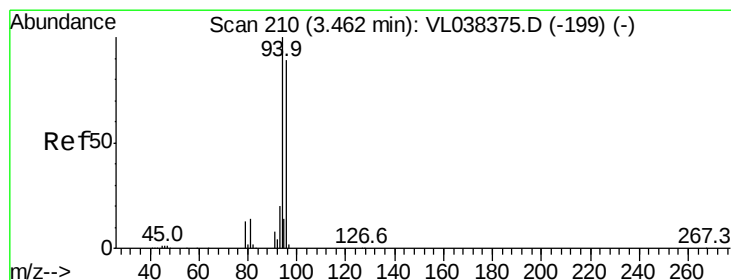
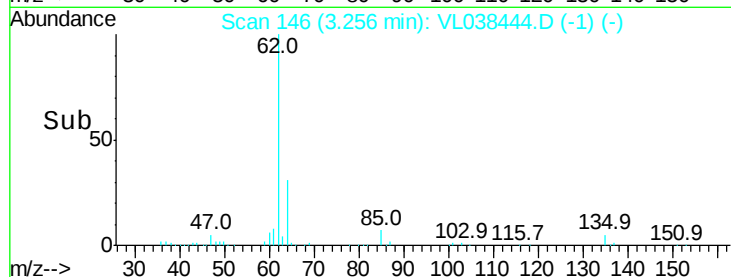
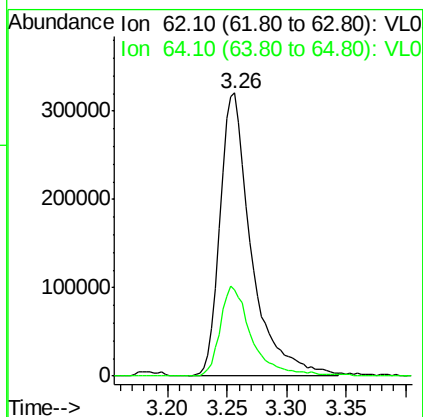
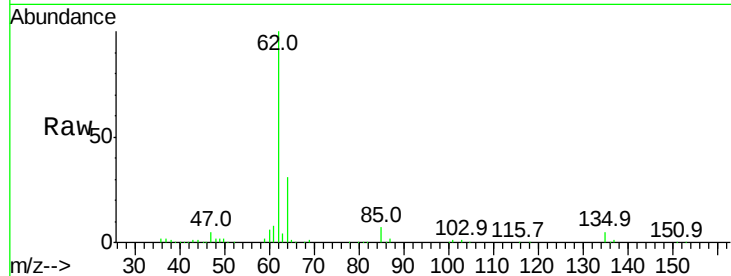
Acq: 1 Mar 2022 9:19 VSTDCCC010

Tgt Ion: 62 Resp: 581982

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.2



#6

Bromomethane

Concen: 10.70 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL038444.D

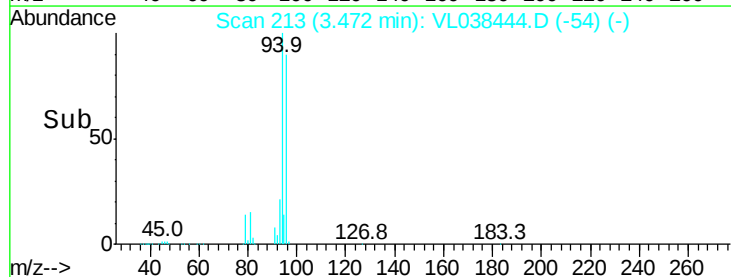
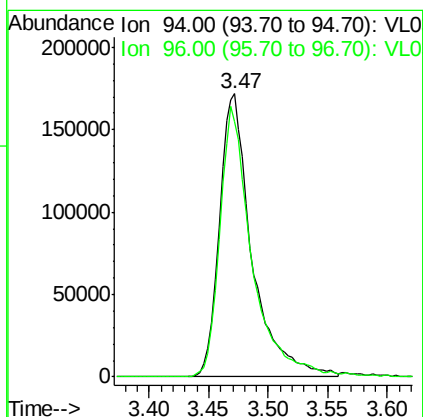
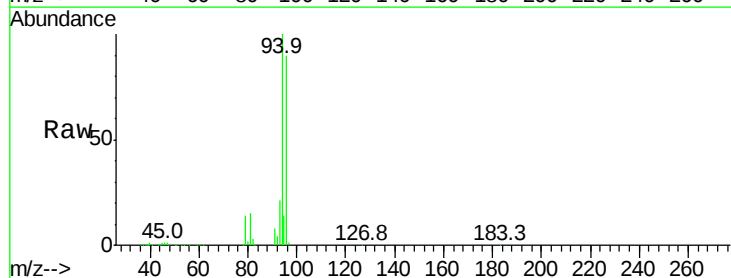
Acq: 1 Mar 2022 9:19

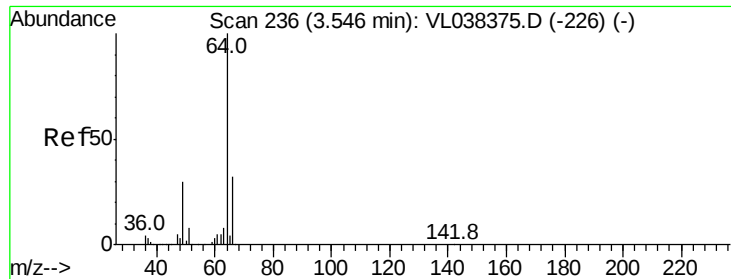
Tgt Ion: 94 Resp: 325172

Ion Ratio Lower Upper

94 100

96 90.2 71.0 106.6





#7

Chloroethane

Concen: 10.51 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

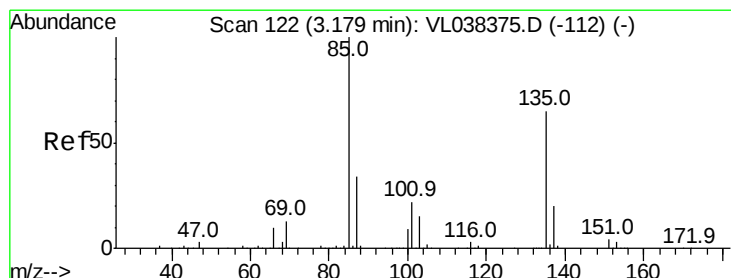
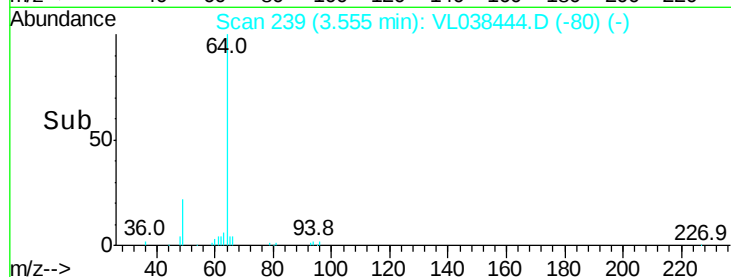
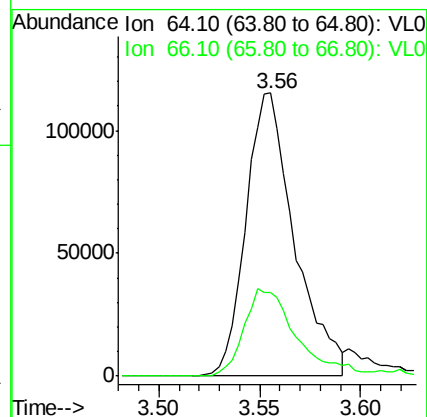
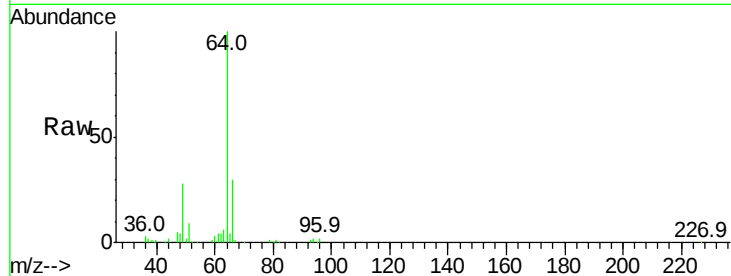
Acq: 1 Mar 2022 9:19

Tgt Ion: 64 Resp: 194610

Ion Ratio Lower Upper

64 100

66 29.6 25.9 38.9



#8

Dichlorotetrafluoroethane

Concen: 10.45 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.01 min

Lab File: VL038444.D

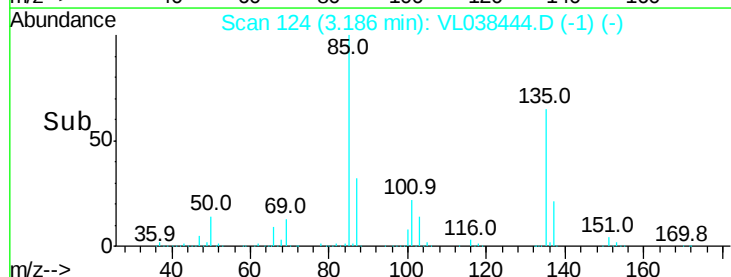
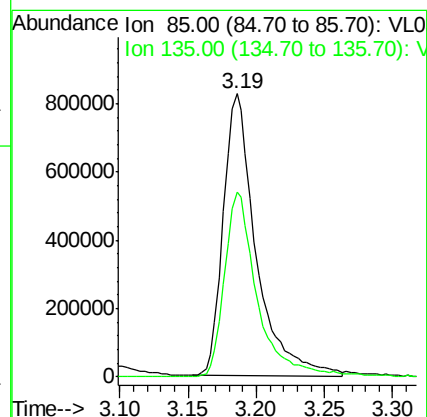
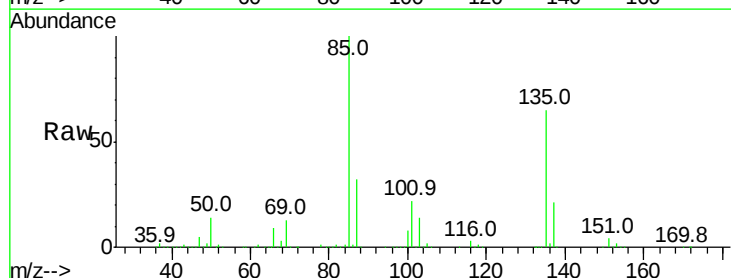
Acq: 1 Mar 2022 9:19

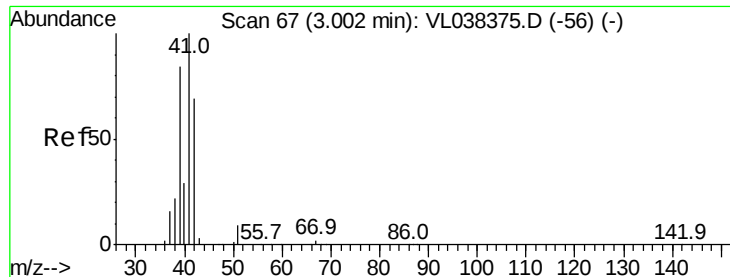
Tgt Ion: 85 Resp: 1383529

Ion Ratio Lower Upper

85 100

135 66.3 54.1 81.1





#9

Propene

Concen: 9.99 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

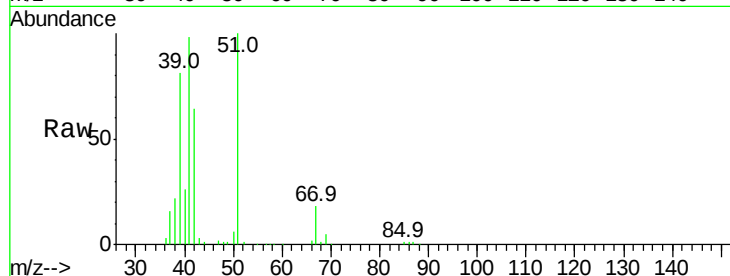
Acq: 1 Mar 2022 9:19

Tgt Ion: 41 Resp: 523040

Ion Ratio Lower Upper

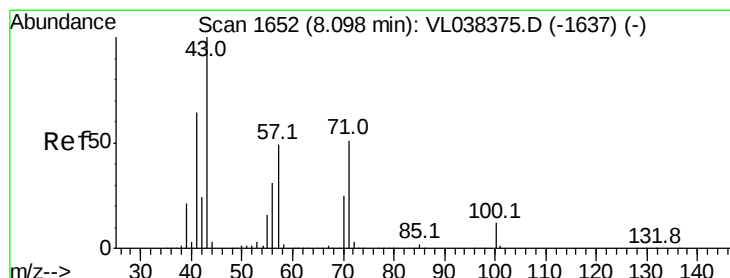
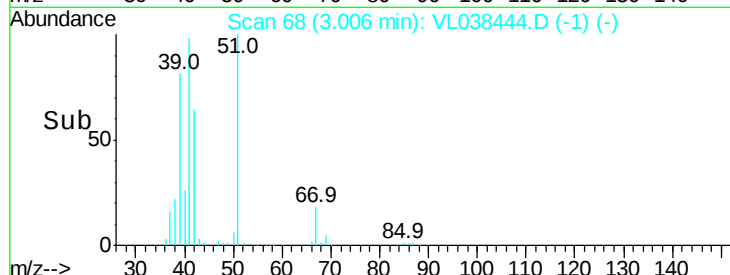
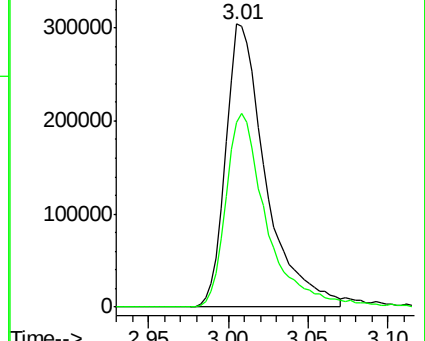
41 100

42 70.4 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.70 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL038444.D

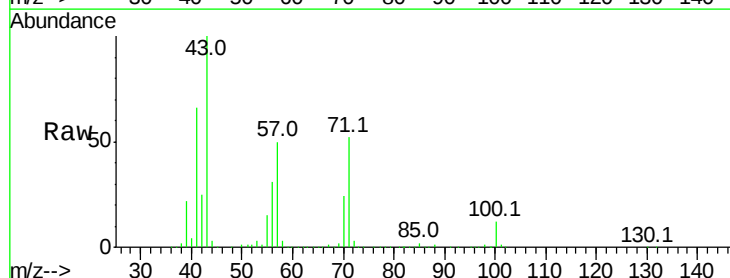
Acq: 1 Mar 2022 9:19

Tgt Ion: 43 Resp: 1363932

Ion Ratio Lower Upper

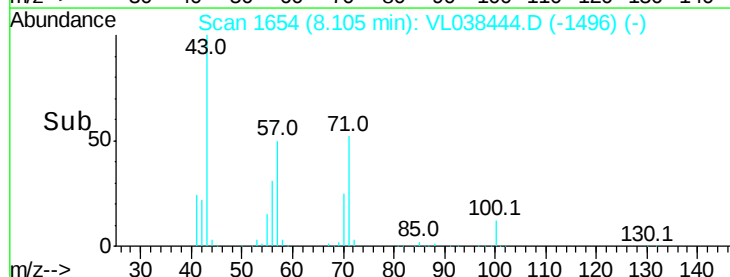
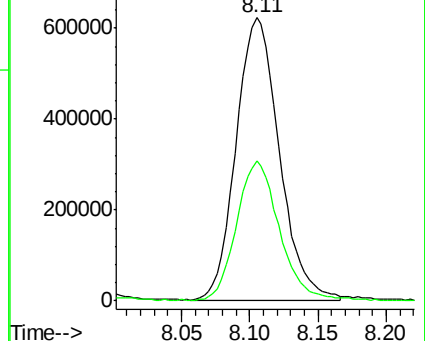
43 100

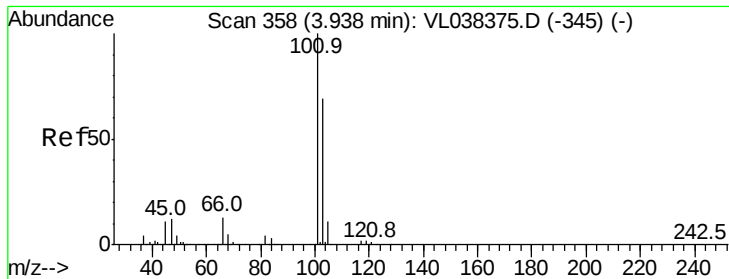
57 49.7 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

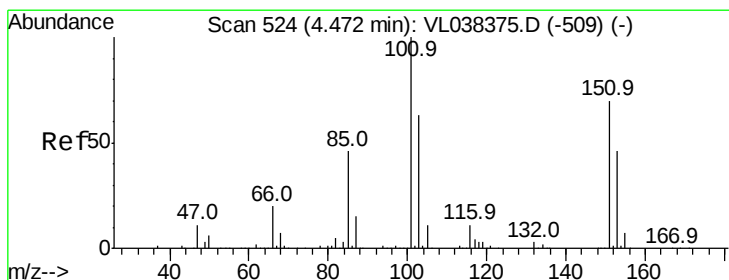
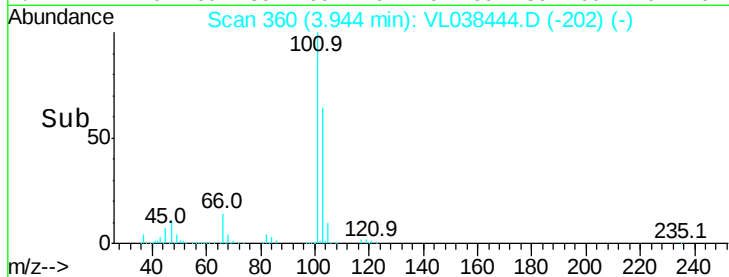
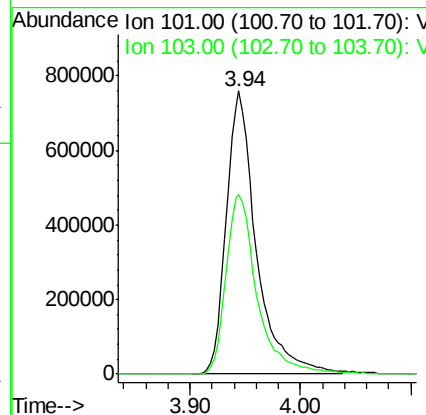
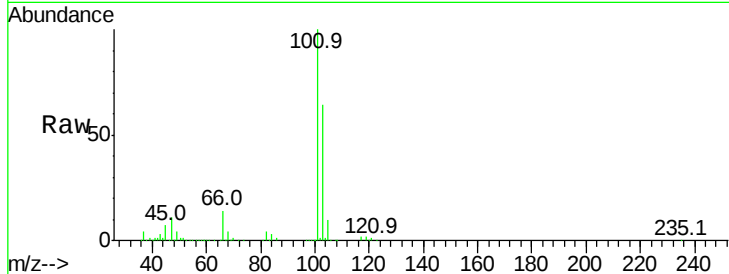
Ion 57.10 (56.80 to 57.80): VL0





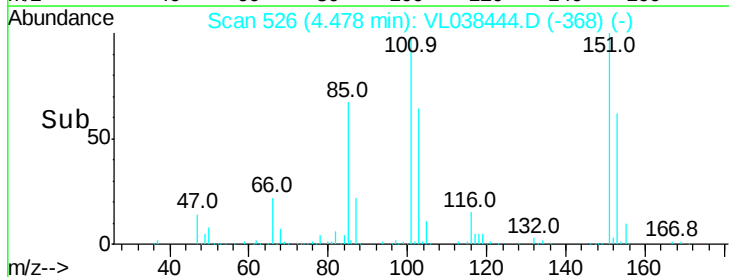
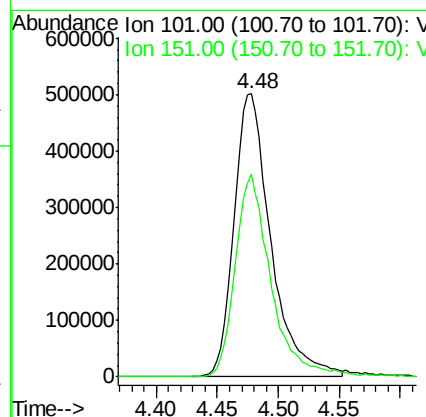
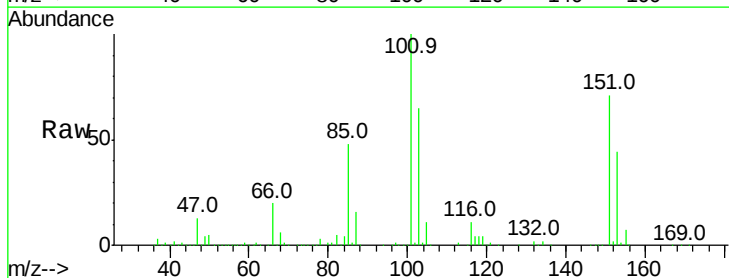
#11
 Trichlorofluoromethane
 Concen: 10.55 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 1 Mar 2022 9:19

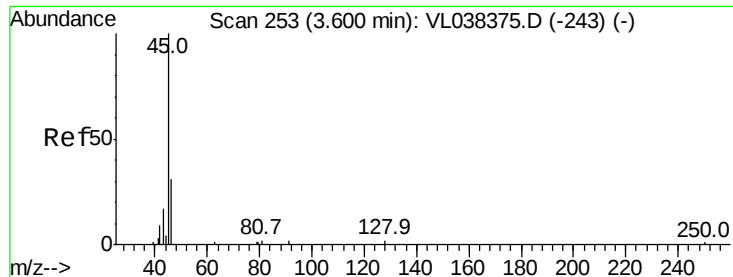
Tgt Ion:101 Resp: 1437230
 Ion Ratio Lower Upper
 101 100
 103 63.7 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.57 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

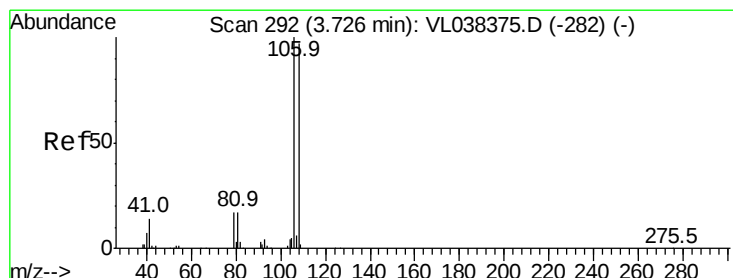
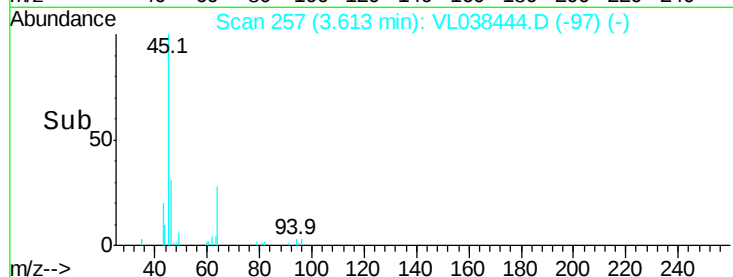
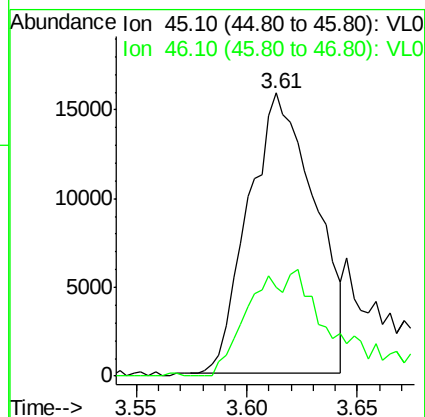
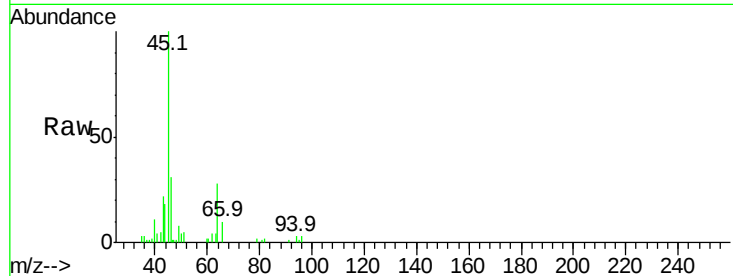
Tgt Ion:101 Resp: 1056128
 Ion Ratio Lower Upper
 101 100
 151 69.8 55.9 83.9





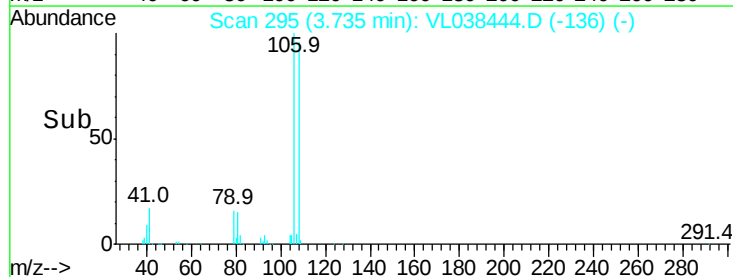
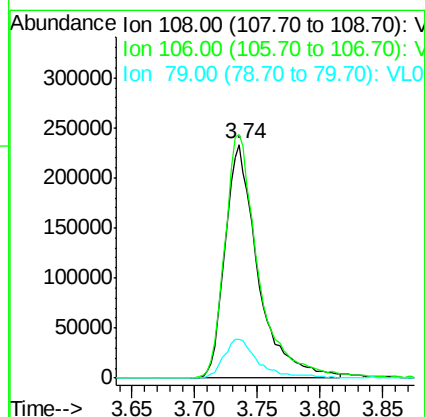
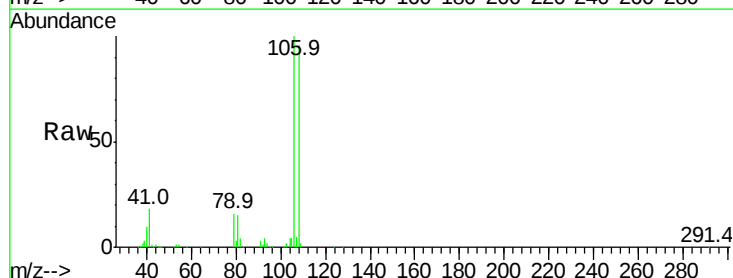
#13
Ethanol
Concen: 6.33 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Mar 2022 9:19

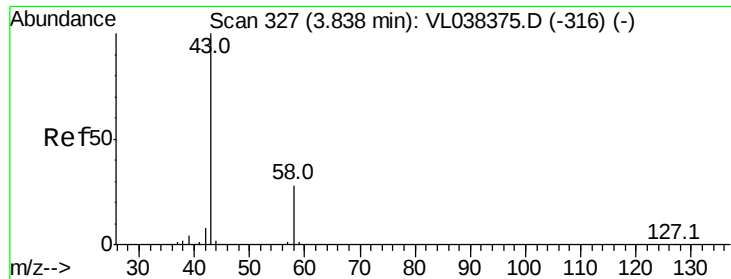
Tgt Ion: 45 Resp: 33090
Ion Ratio Lower Upper
45 100
46 51.3 18.2 72.8



#14
Bromoethene
Concen: 10.69 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL038444.D
Acq: 1 Mar 2022 9:19

Tgt Ion: 108 Resp: 425240
Ion Ratio Lower Upper
108 100
106 108.0 88.4 132.6
79 18.1 15.0 22.6





#15

Acetone

Concen: 8.96 ppbv

RT: 3.84 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010

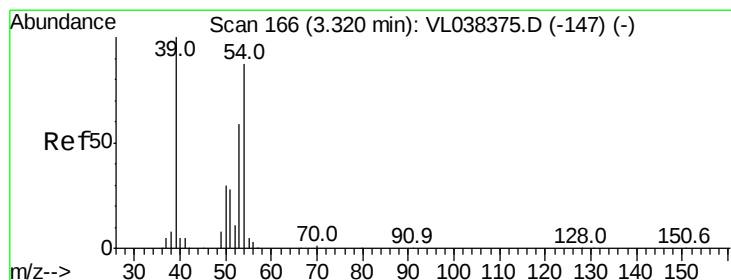
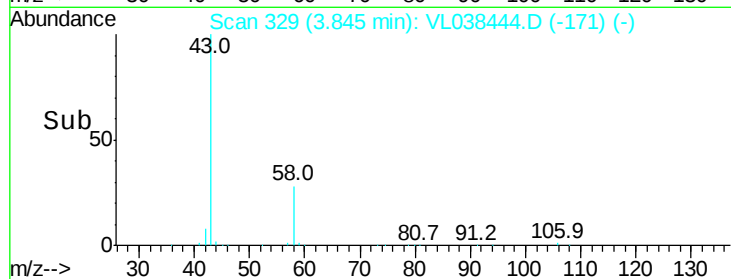
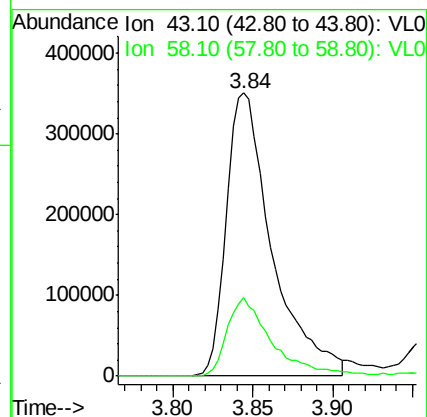
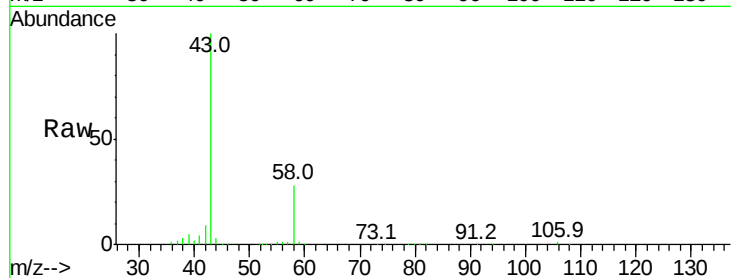
Acq: 1 Mar 2022 9:19

Tgt Ion: 43 Resp: 684726

Ion Ratio Lower Upper

43 100

58 27.6 21.7 32.5



#16

1,3-Butadiene

Concen: 10.89 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL038444.D

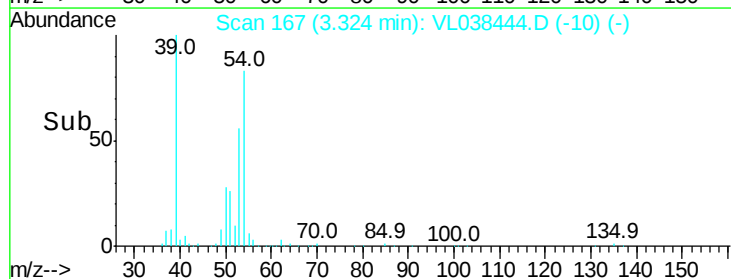
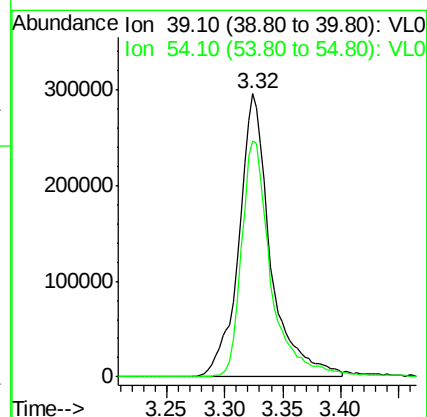
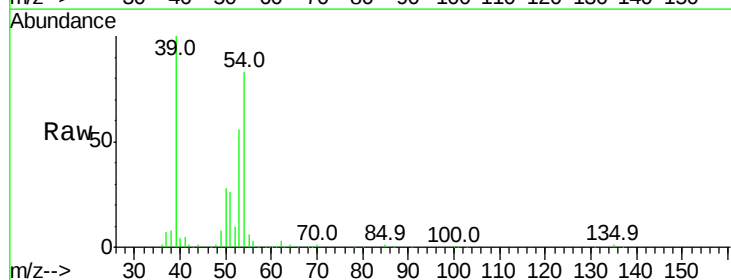
Acq: 1 Mar 2022 9:19

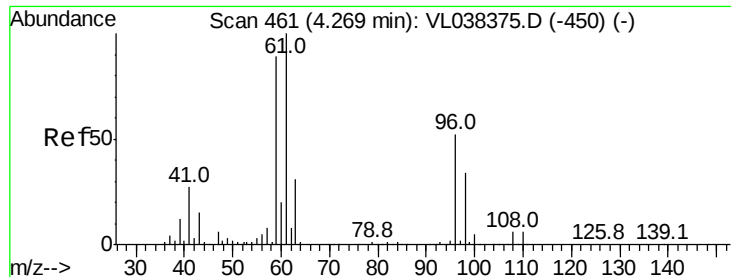
Tgt Ion: 39 Resp: 555651

Ion Ratio Lower Upper

39 100

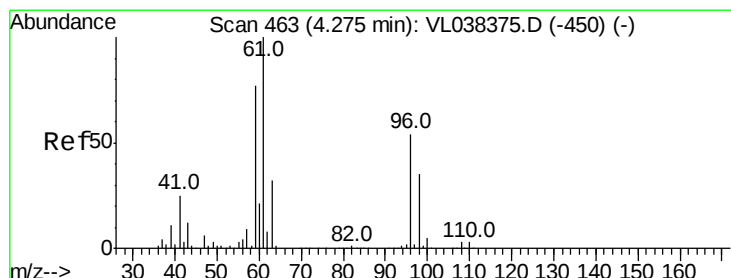
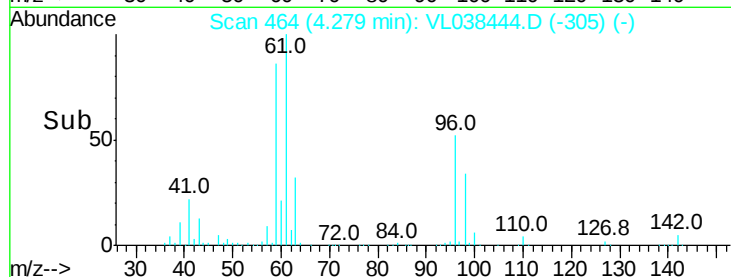
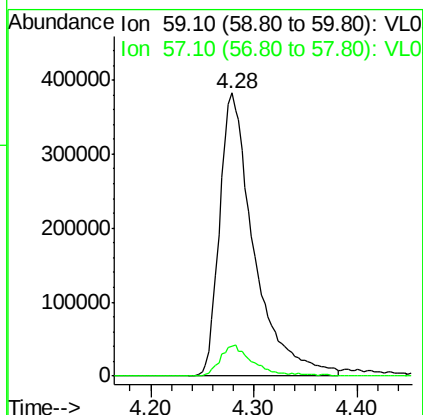
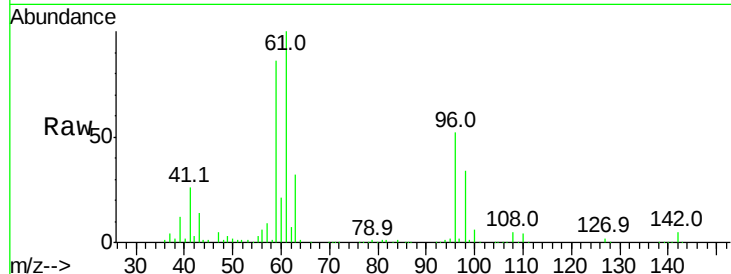
54 78.5 60.3 90.5





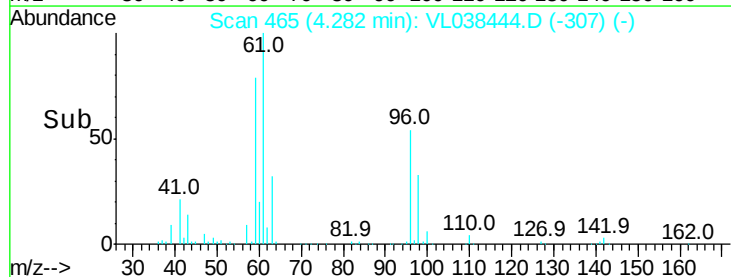
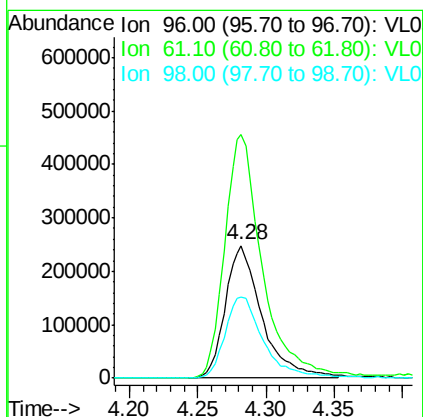
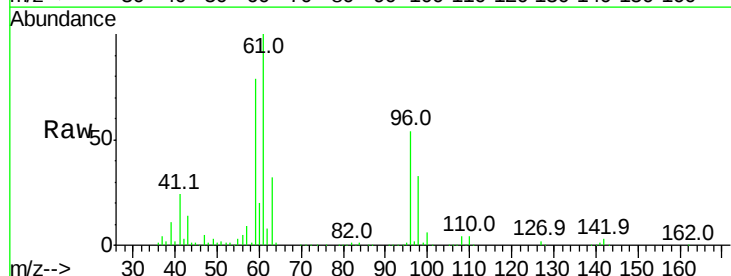
#17
 tert-Butyl alcohol
 Concen: 11.68 ppbv
 RT: 4.28
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 1 Mar 2022 9:19

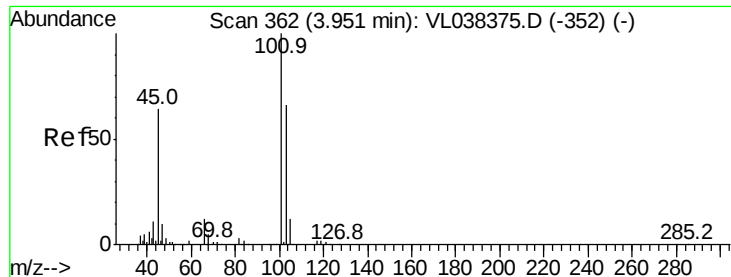
Tgt Ion: 59 Resp: 890394
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 10.52 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T.: 0.01 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

Tgt Ion: 96 Resp: 461404
 Ion Ratio Lower Upper
 96 100
 61 183.8 146.8 220.2
 98 61.1 51.5 77.3





#19

Isopropyl Alcohol

Concen: 10.00 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

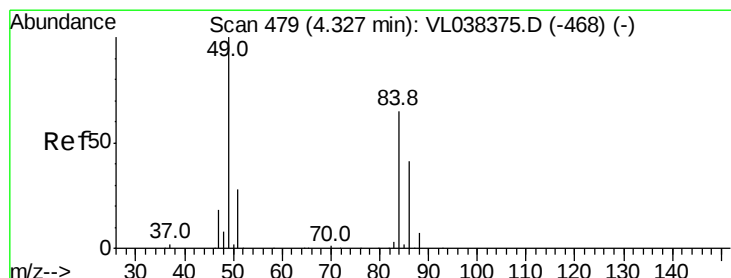
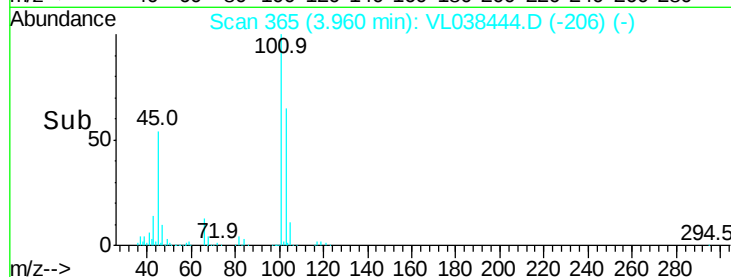
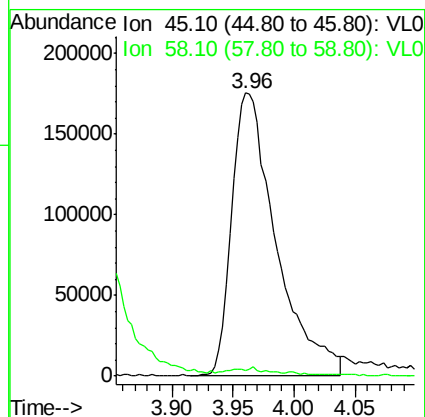
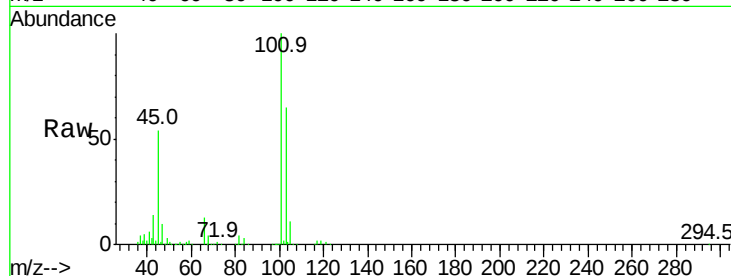
Acq: 1 Mar 2022 9:19

Tgt Ion: 45 Resp: 442407

Ion Ratio Lower Upper

45 100

58 4.1 1.8 2.8#



#20

Methylene Chloride

Concen: 9.84 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

Tgt Ion: 84 Resp: 372580

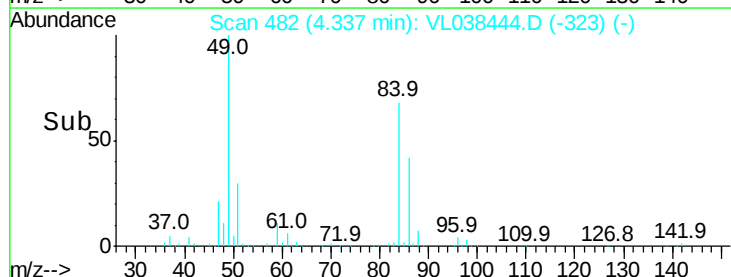
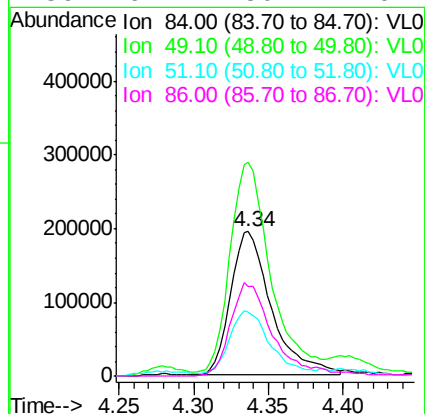
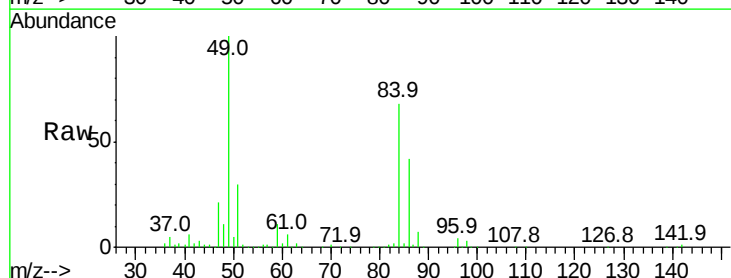
Ion Ratio Lower Upper

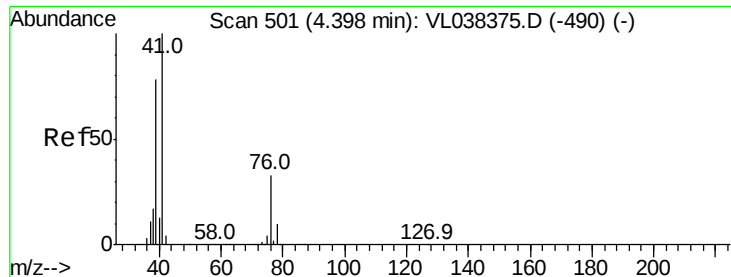
84 100

49 146.4 122.4 183.6

51 42.4 33.3 49.9

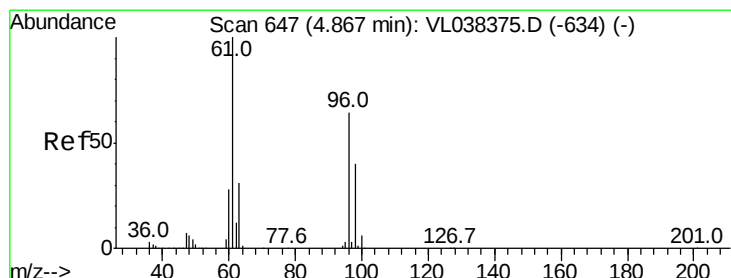
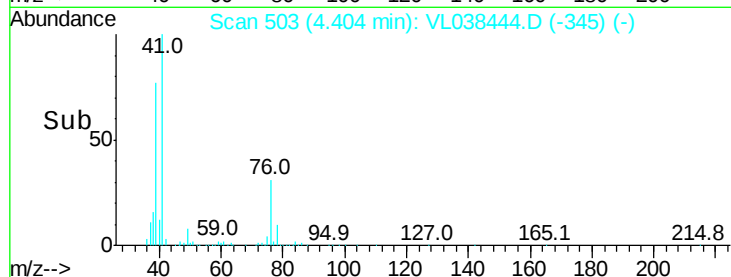
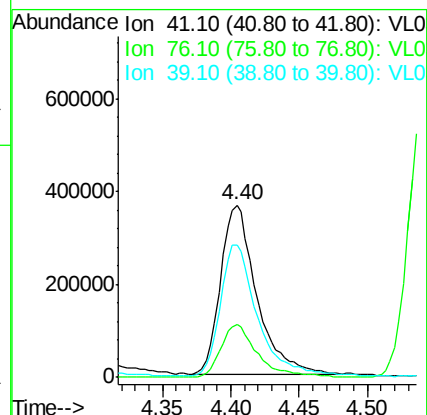
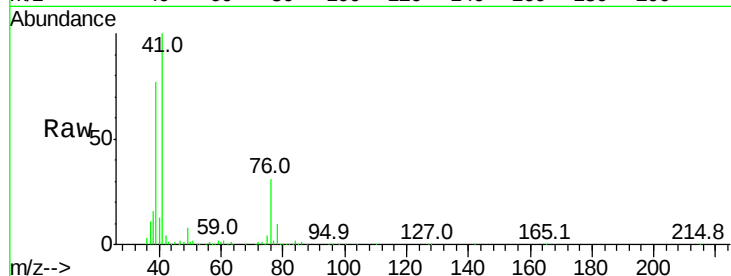
86 62.7 50.7 76.1





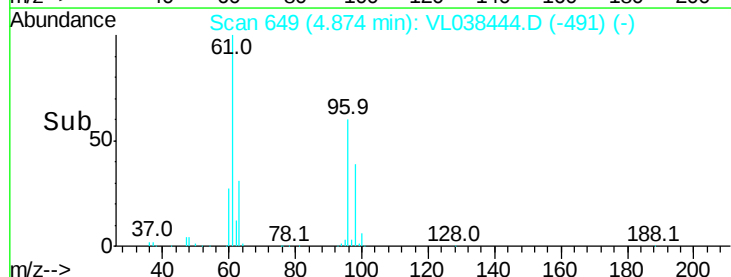
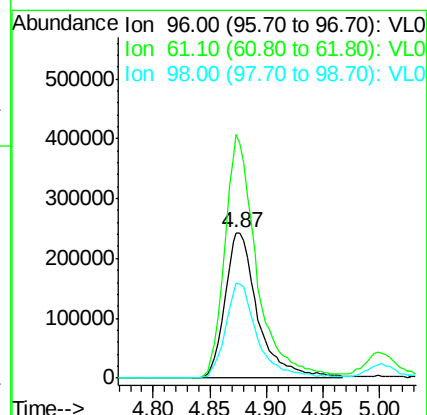
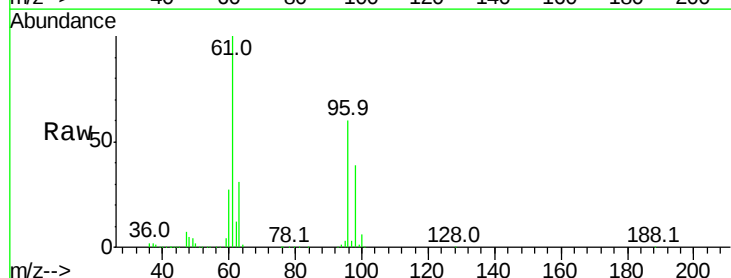
#21
 Allyl Chloride
 Concen: 10.36 ppbv
 RT: 4.40
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 1 Mar 2022 9:19

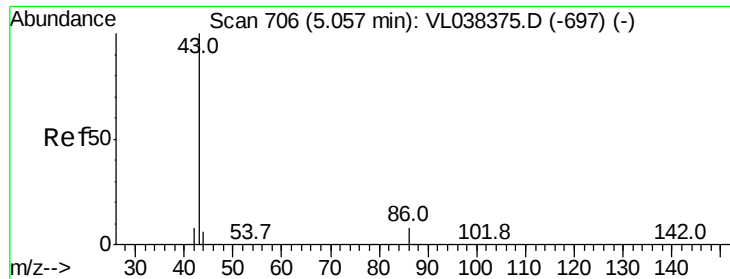
Tgt Ion: 41 Resp: 668851
 Ion Ratio Lower Upper
 41 100
 76 32.0 25.4 38.0
 39 81.1 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 11.08 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T.: 0.01 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

Tgt Ion: 96 Resp: 490297
 Ion Ratio Lower Upper
 96 100
 61 167.2 124.2 186.4
 98 65.2 49.1 73.7





#23

Vinyl Acetate

Concen: 10.74 ppbv

RT: 5.06 Instrument: MSVOA_1

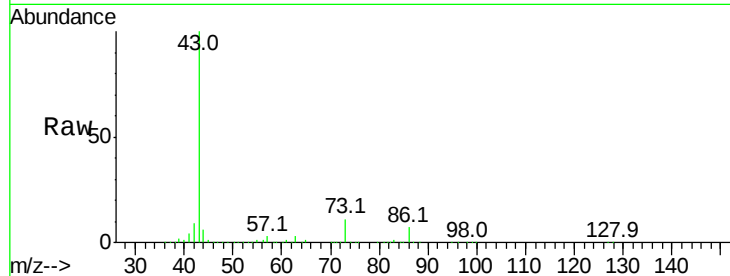
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 1 Mar 2022 9:19

Tgt Ion: 43 Resp: 1087339

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.8	8.6
42	9.4	7.4	11.0
44	5.2	4.2	6.2

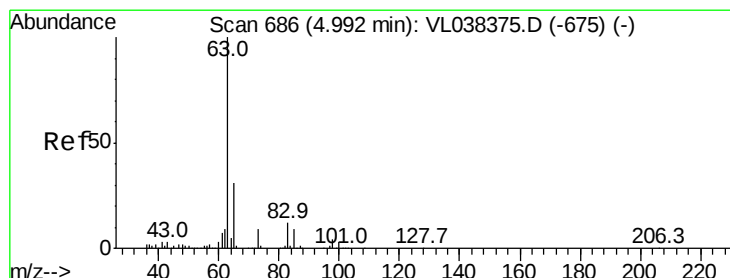
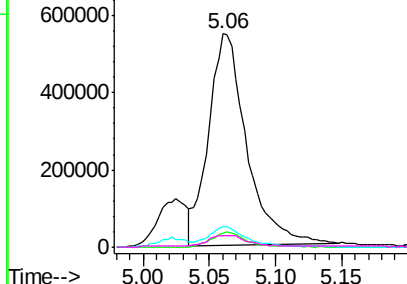
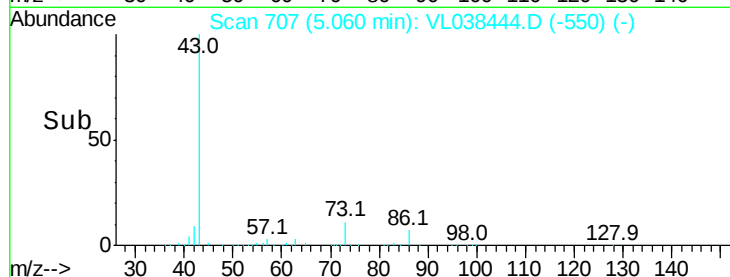


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.76 ppbv

RT: 5.00 min Scan# 689

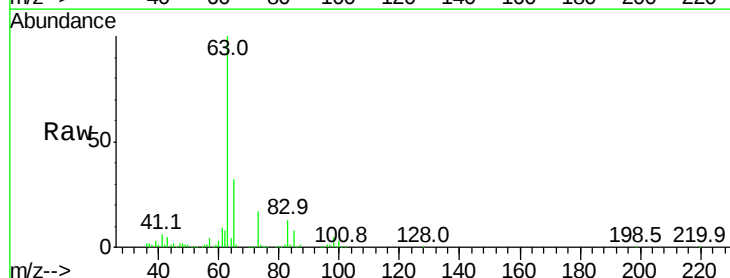
Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

Tgt Ion: 63 Resp: 979507

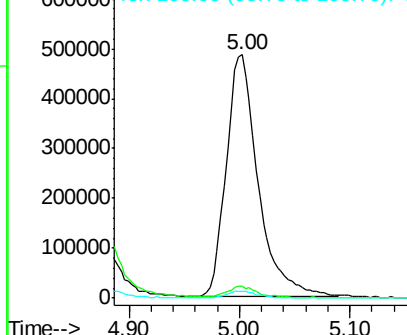
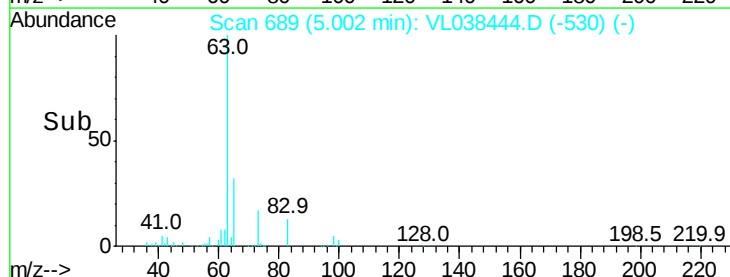
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.6	1.4	4.2

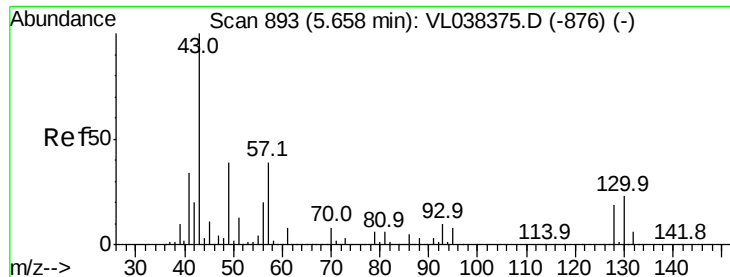


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

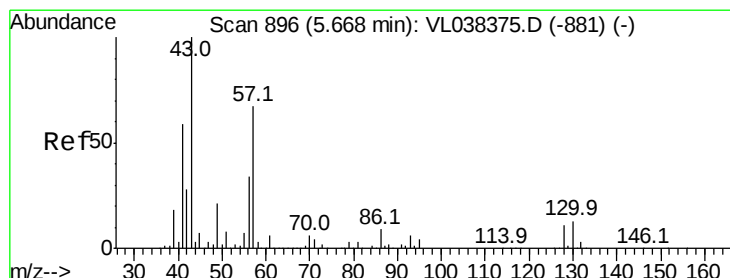
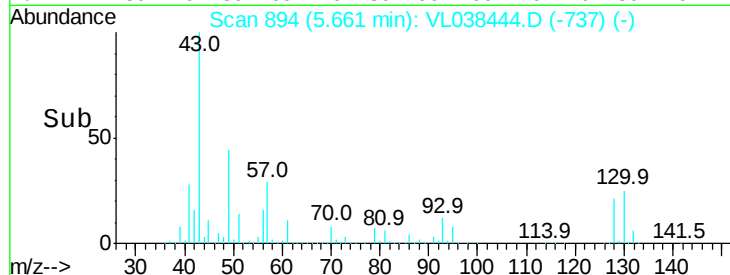
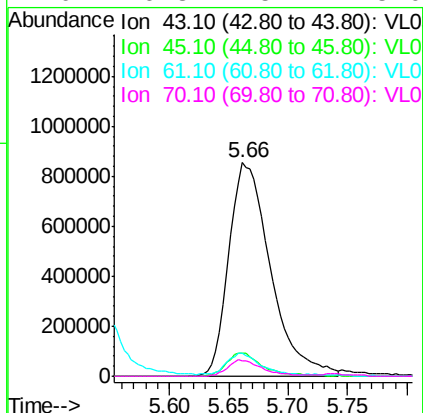
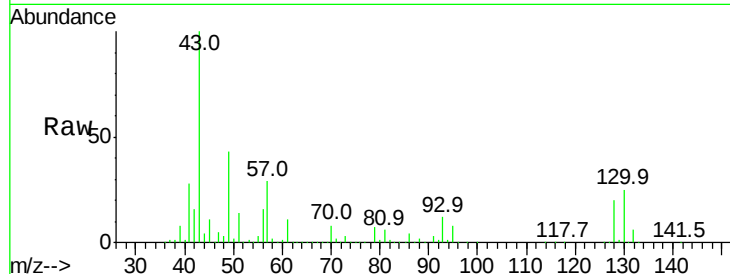




#25
Ethyl Acetate
Concen: 10.12 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 1 Mar 2022 9:19

Tgt Ion: 43 Resp: 2076384

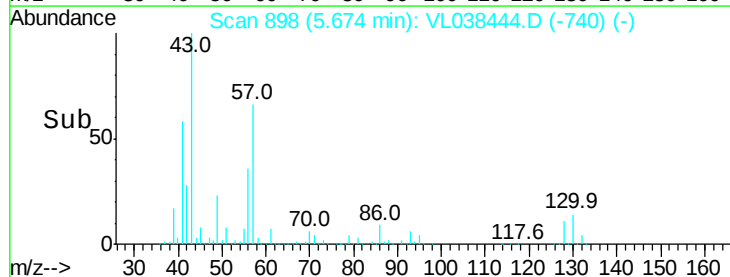
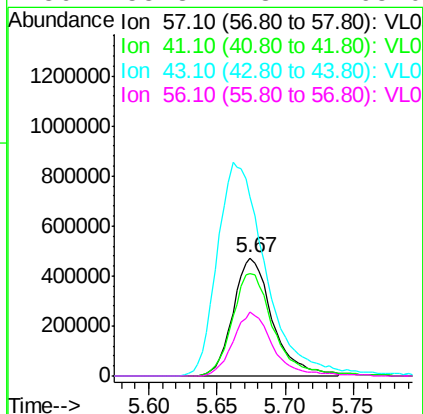
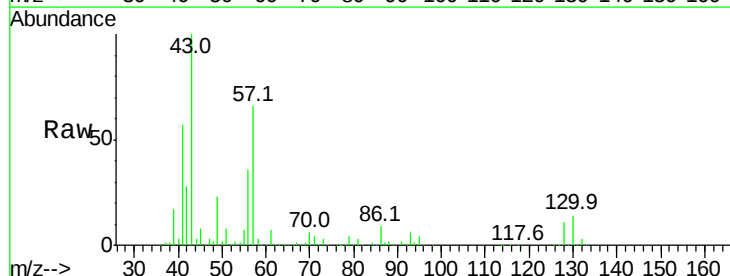
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	10.2	7.5	11.3
70	6.3	5.4	8.0

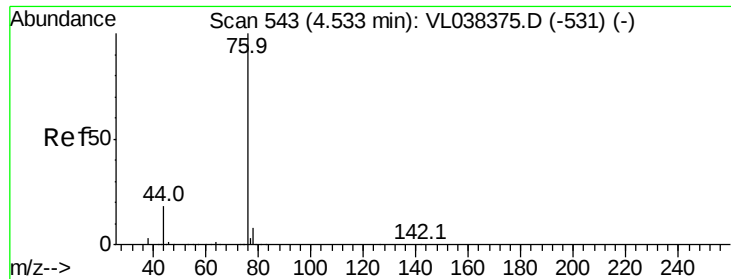


#26
Hexane
Concen: 10.18 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: 0.01 min
Lab File: VL038444.D
Acq: 1 Mar 2022 9:19

Tgt Ion: 57 Resp: 945871

Ion	Ratio	Lower	Upper
57	100		
41	92.4	73.1	109.7
43	224.4	181.0	271.4
56	55.3	43.4	65.0





#27

Carbon Disulfide

Concen: 11.38 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Mar 2022 9:19 VSTDCCC010

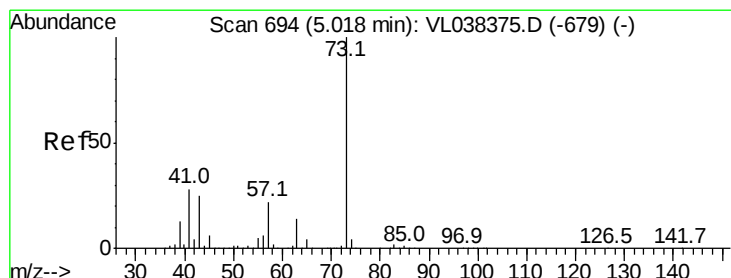
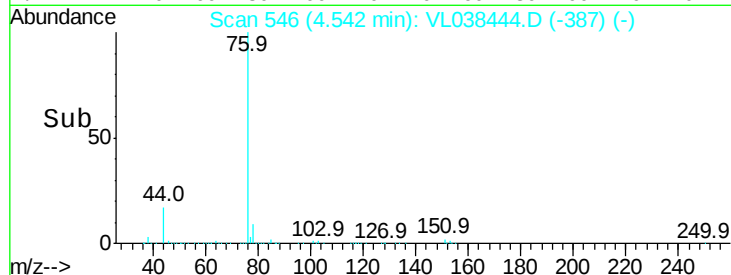
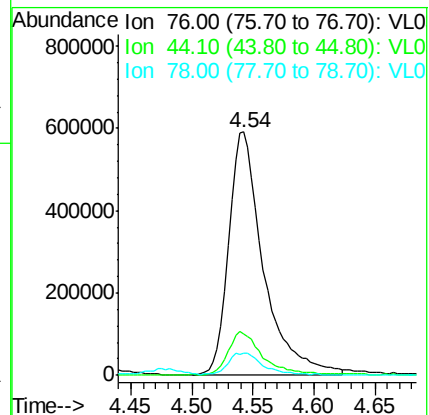
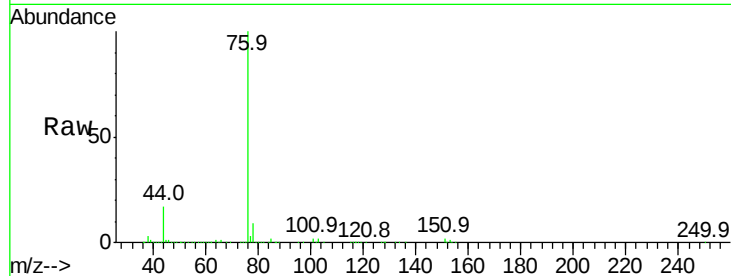
Tgt Ion: 76 Resp: 1176644

Ion Ratio Lower Upper

76 100

44 18.1 14.2 21.2

78 9.6 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 10.54 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL038444.D

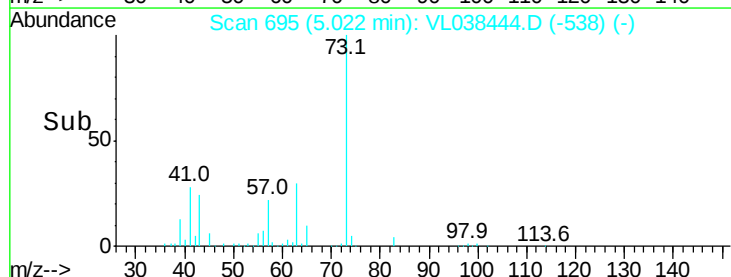
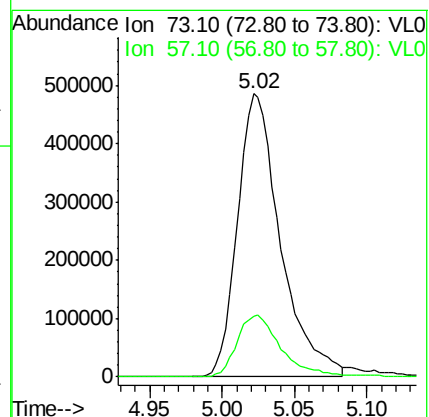
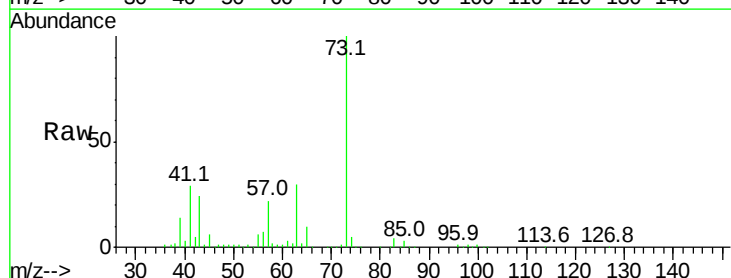
Acq: 1 Mar 2022 9:19

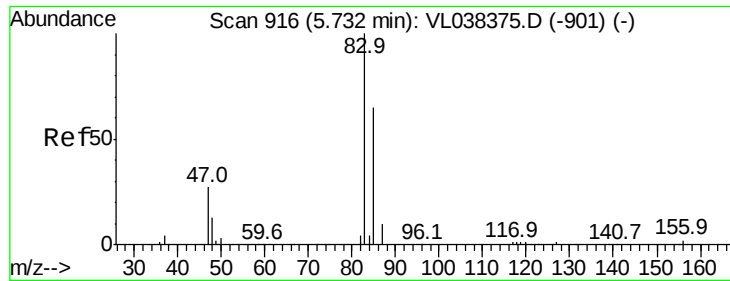
Tgt Ion: 73 Resp: 997596

Ion Ratio Lower Upper

73 100

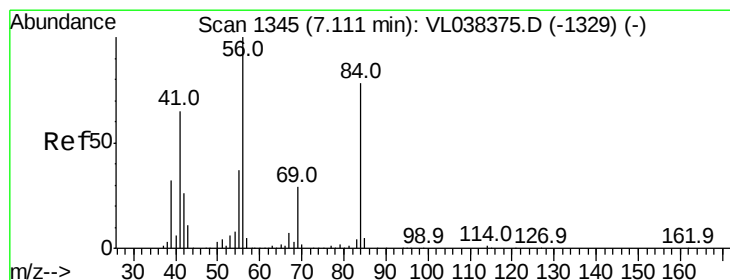
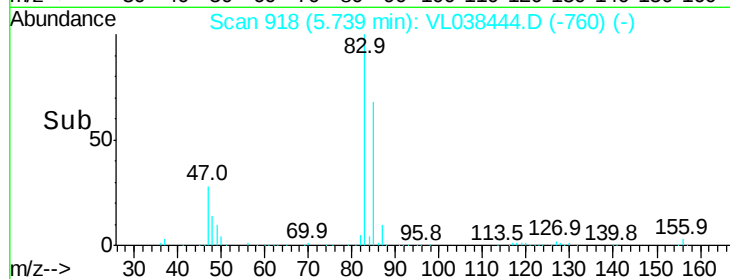
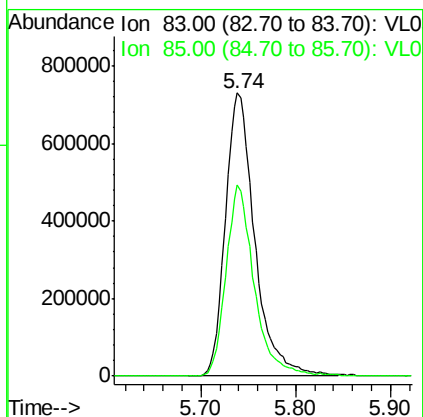
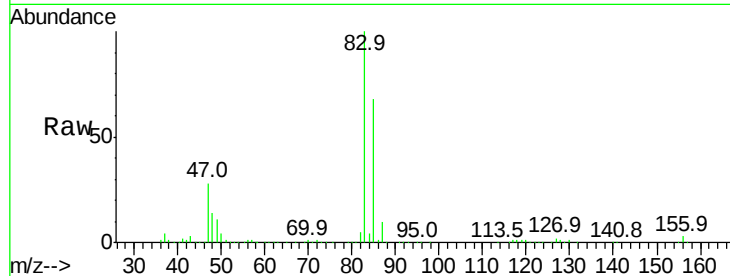
57 22.9 18.2 27.4





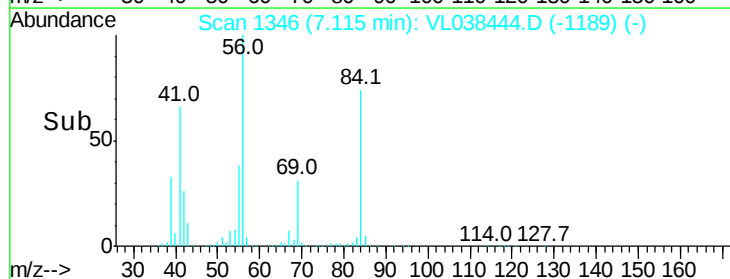
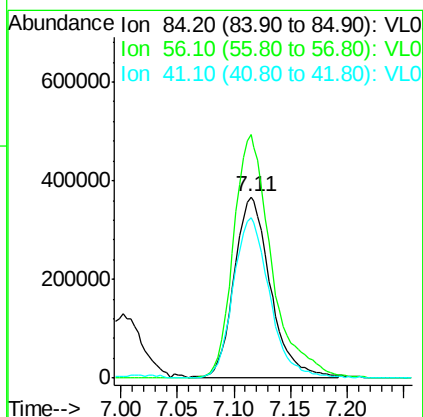
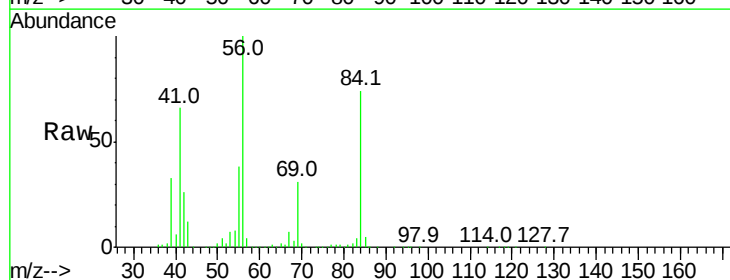
#29
Chloroform
Concen: 10.38 ppbv
RT: 5.74
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 1 Mar 2022 9:19

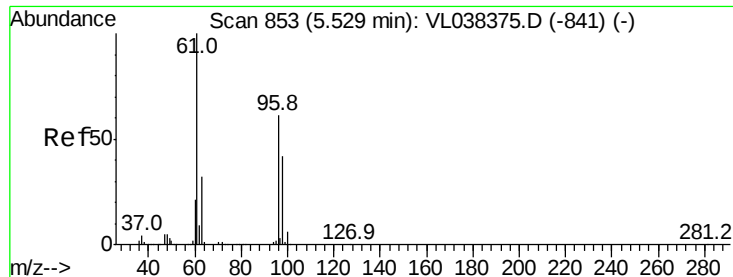
Tgt Ion: 83 Resp: 1574346
Ion Ratio Lower Upper
83 100
85 67.3 51.6 77.4



#30
Cyclohexane
Concen: 10.84 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL038444.D
Acq: 1 Mar 2022 9:19

Tgt Ion: 84 Resp: 824136
Ion Ratio Lower Upper
84 100
56 141.3 116.2 174.4
41 88.8 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 10.25 ppbv

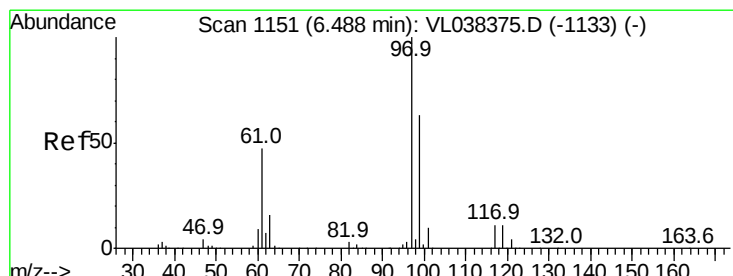
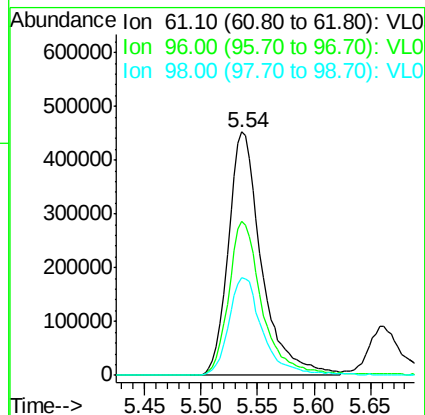
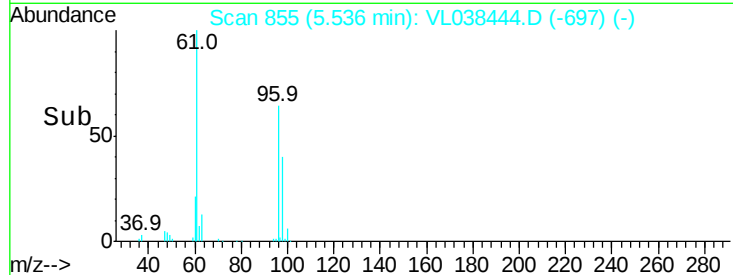
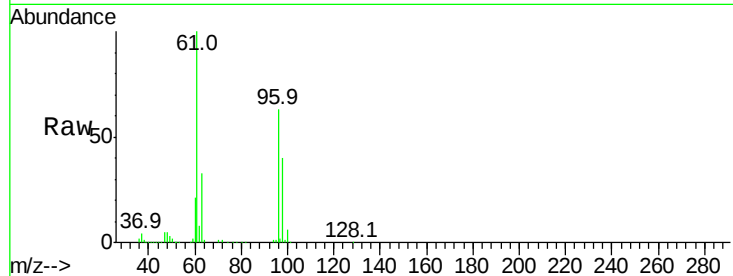
RT: 5.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 1 Mar 2022 9:19

Tgt Ion:	61	Resp:	923315
Ion	Ratio	Lower	Upper
61	100		
96	63.2	48.6	73.0
98	40.0	33.2	49.8



#32

1,1,1-Trichloroethane

Concen: 10.28 ppbv

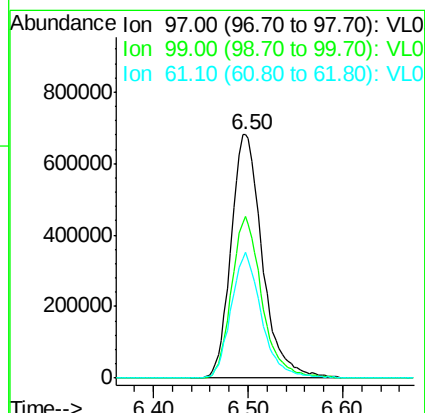
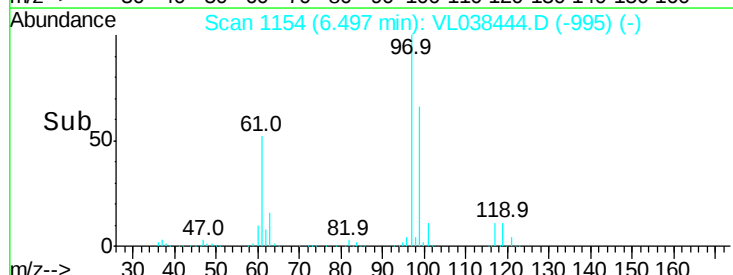
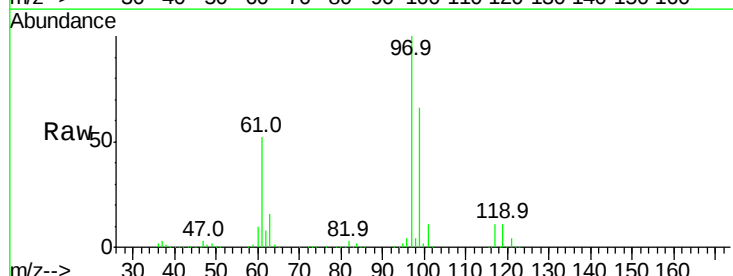
RT: 6.50 min Scan# 1154

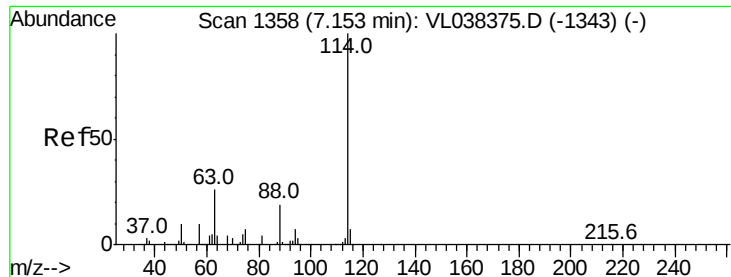
Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

Tgt Ion:	97	Resp:	1568210
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	50.3	40.5	60.7

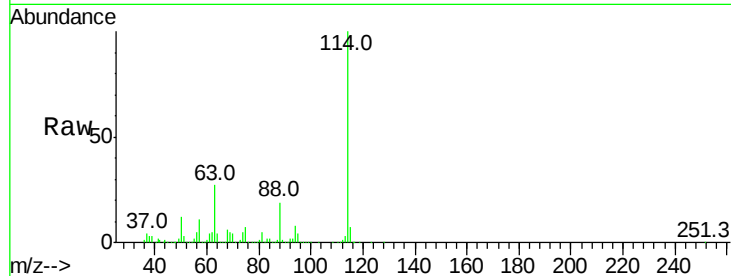




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 1 Mar 2022 9:19

Tgt Ion: 114 Resp: 2167562

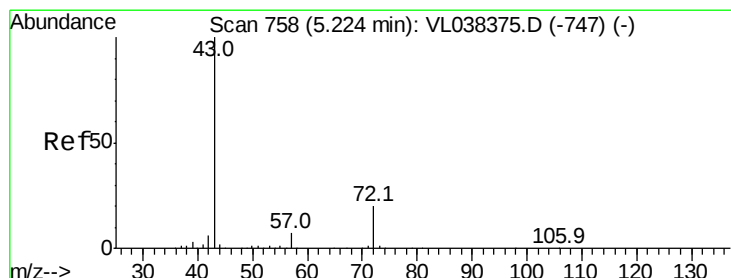
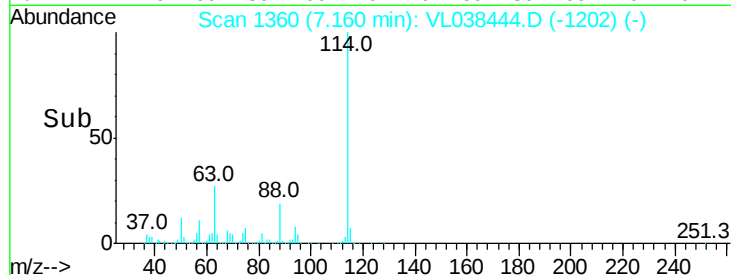
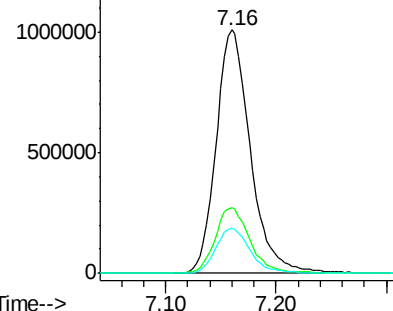
Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.2	33.2
88	18.9	15.2	22.8



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

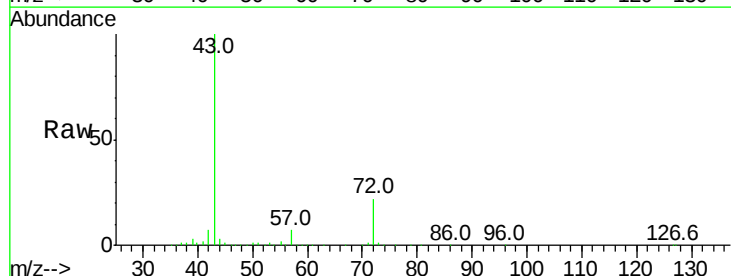
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 11.07 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T.: 0.01 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

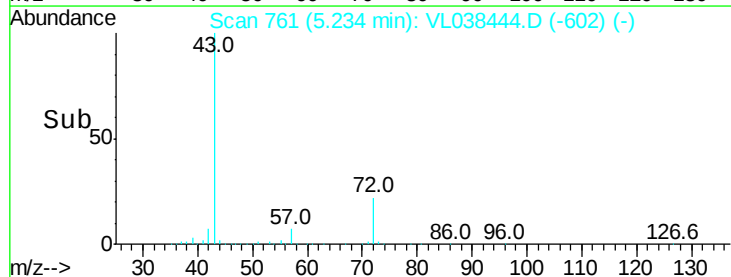
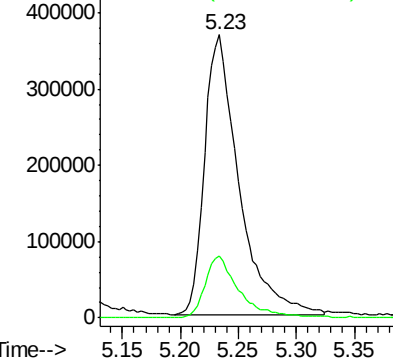
Tgt Ion: 43 Resp: 754858

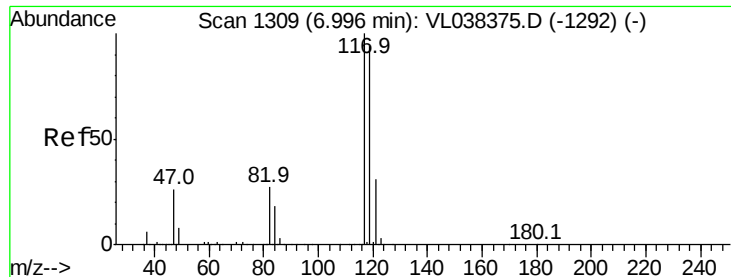
Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.4	26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

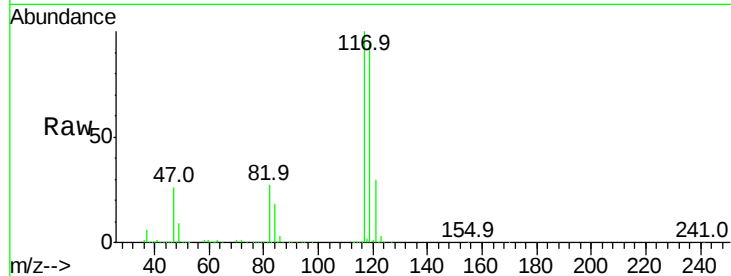
Ion 72.10 (71.80 to 72.80): VL0



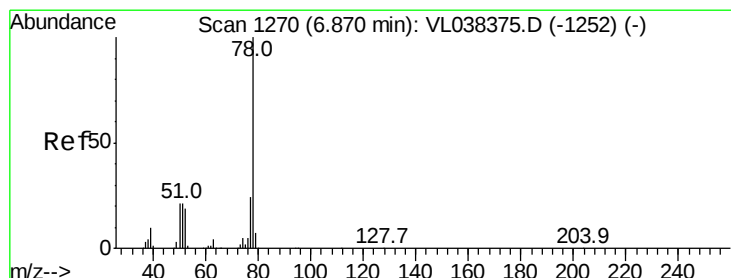
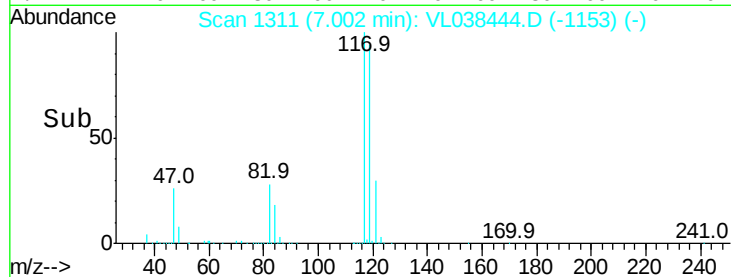
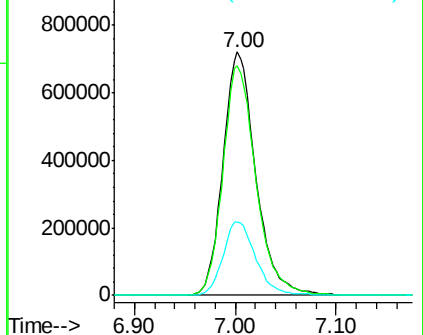


#35
Carbon Tetrachloride
Concen: 10.72 ppbv
RT: 7.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Mar 2022 9:19

Tgt Ion: 117 Resp: 1633869
Ion Ratio Lower Upper
117 100
119 94.0 74.9 112.3
121 30.0 24.8 37.2

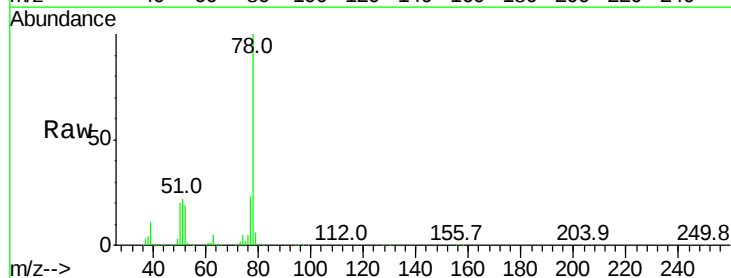


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

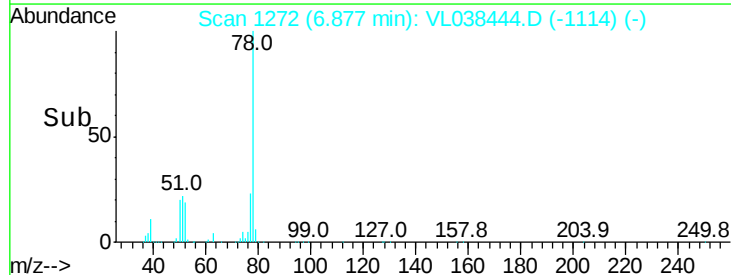
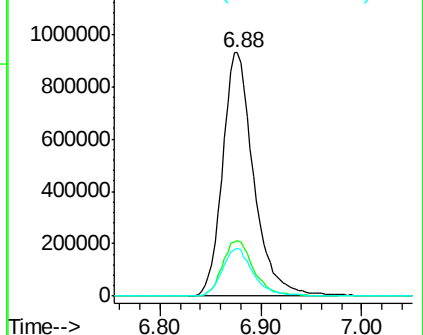


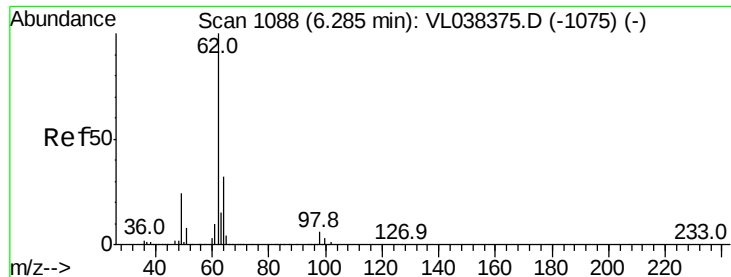
#36
Benzene
Concen: 10.48 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VL038444.D
Acq: 1 Mar 2022 9:19

Tgt Ion: 78 Resp: 1999912
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.6
50 19.6 16.6 24.8



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: 10.81 ppbv

RT: 6.29 Instrument: MSVOA_1

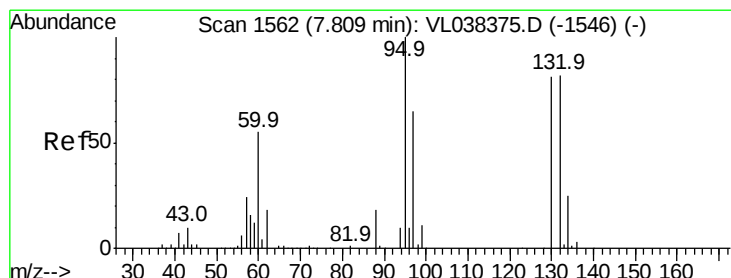
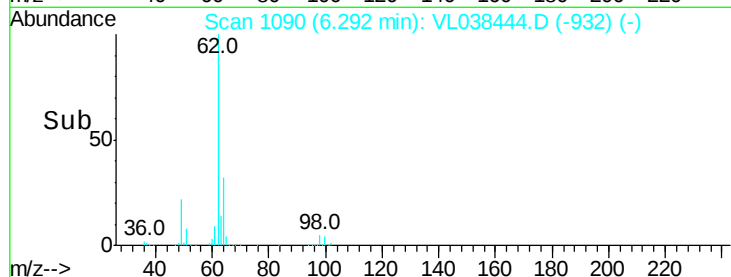
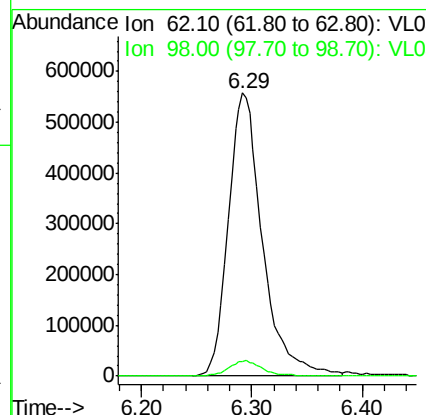
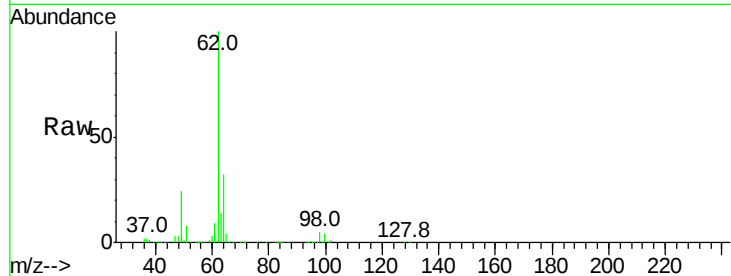
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 1 Mar 2022 9:19

Tgt Ion: 62 Resp: 1191671

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.6	7.0



#38

Trichloroethene

Concen: 10.25 ppbv

RT: 7.82 min Scan# 1565

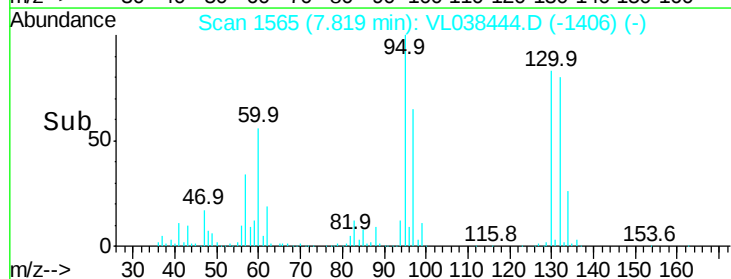
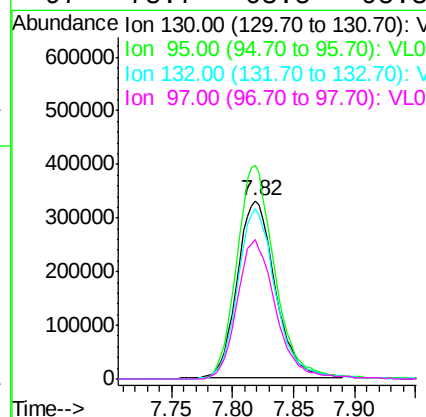
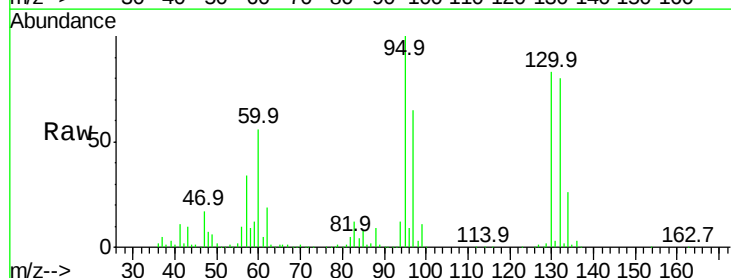
Delta R.T. 0.01 min

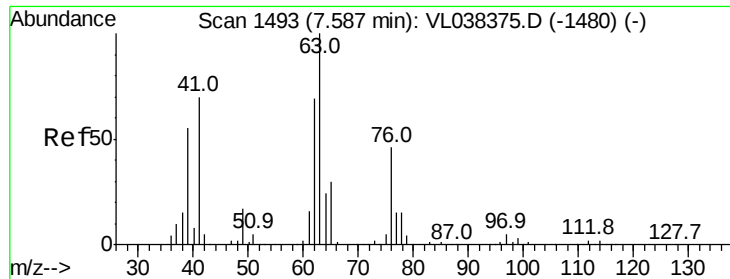
Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

Tgt Ion: 130 Resp: 712087

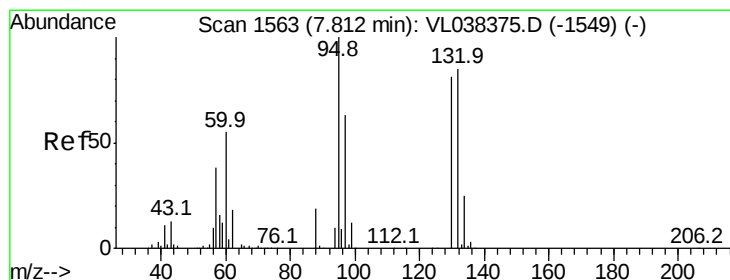
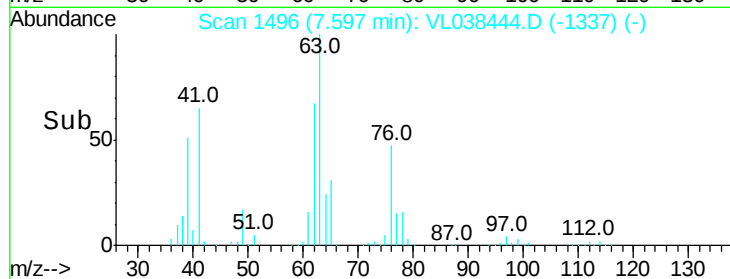
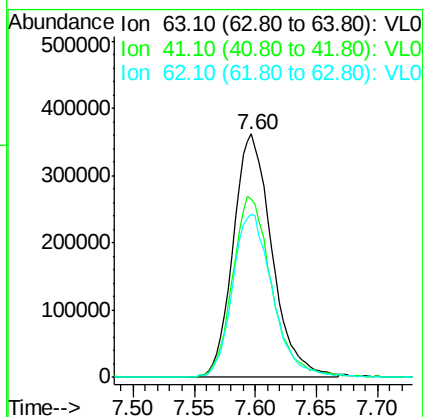
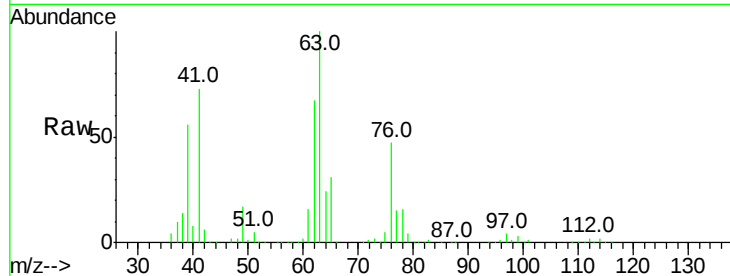
Ion	Ratio	Lower	Upper
130	100		
95	120.4	98.1	147.1
132	95.8	80.3	120.5
97	78.7	63.5	95.3





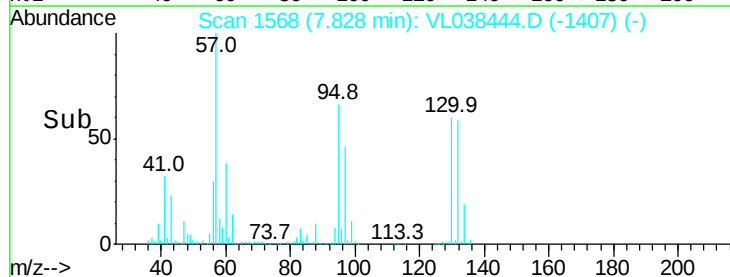
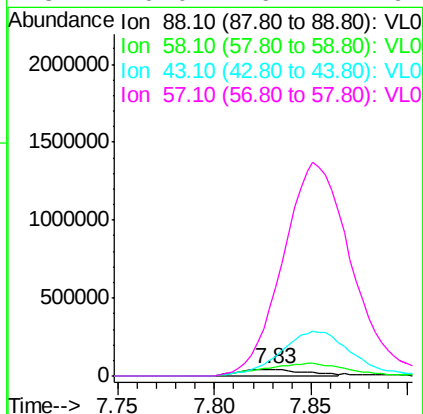
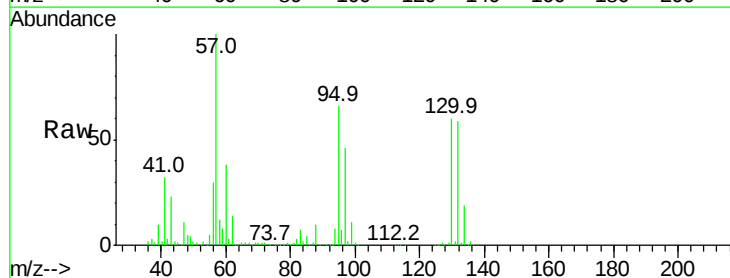
#39
 1,2-Dichloropropane
 Concen: 10.46 ppbv
 RT: 7.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 1 Mar 2022 9:19

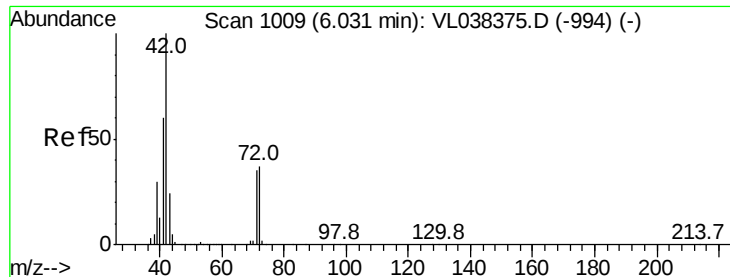
Tgt Ion: 63 Resp: 794874
 Ion Ratio Lower Upper
 63 100
 41 73.3 56.1 84.1
 62 66.8 55.5 83.3



#40
 1,4-Dioxane
 Concen: 5.72 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

Tgt Ion: 88 Resp: 103179
 Ion Ratio Lower Upper
 88 100
 58 0.0 133.2 199.8#
 43 0.0 330.6 496.0#
 57 0.0 1462.7 2194.1#





#41

Tetrahydrofuran

Concen: 10.63 ppbv

RT: 6.04 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 1 Mar 2022 9:19

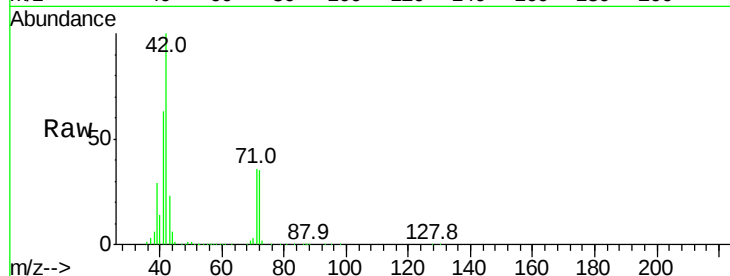
Tgt Ion: 42 Resp: 489427

Ion Ratio Lower Upper

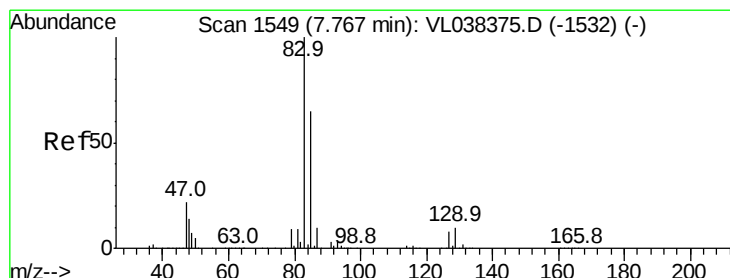
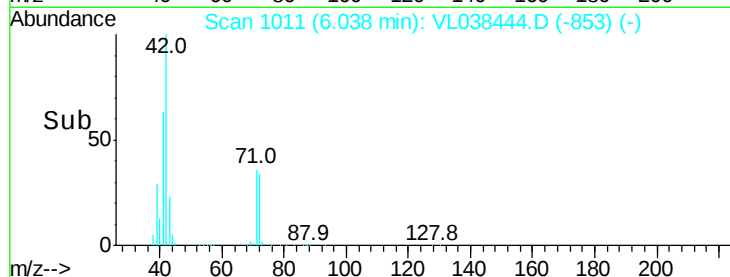
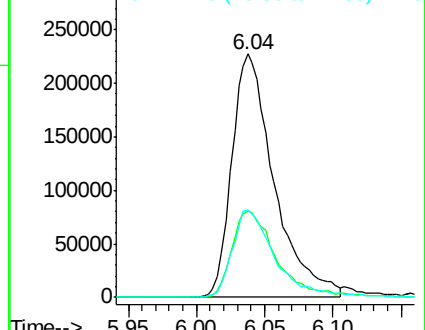
42 100

72 37.5 29.9 44.9

71 36.4 28.6 42.8



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: 10.60 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

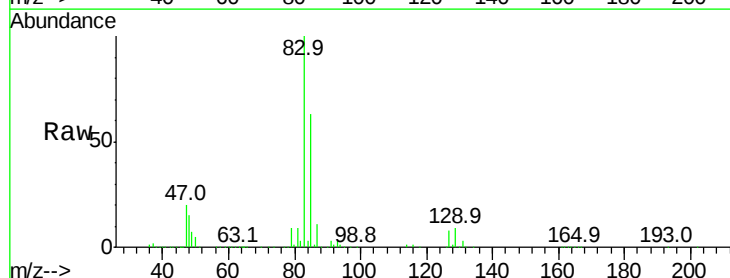
Tgt Ion: 83 Resp: 1688172

Ion Ratio Lower Upper

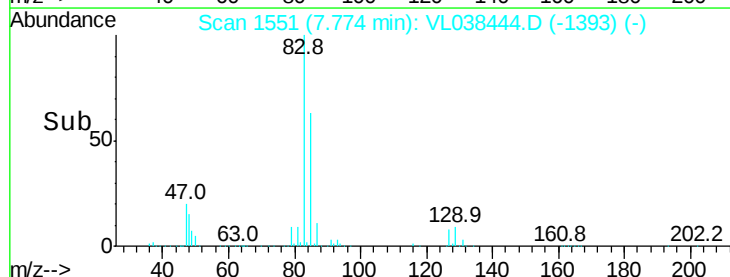
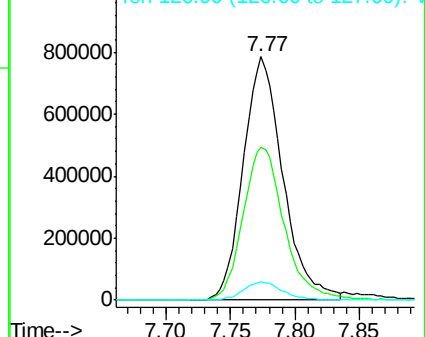
83 100

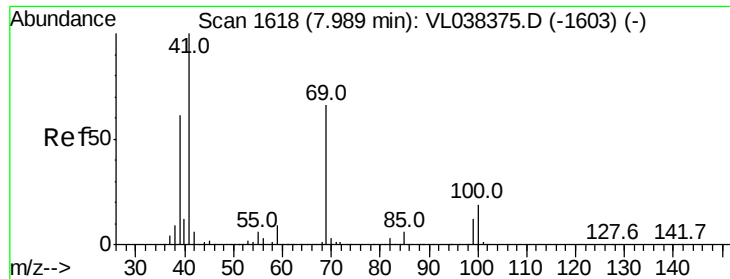
85 63.0 52.2 78.4

127 7.7 6.2 9.4



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

Methyl Methacrylate

Concen: 11.26 ppbv

RT: 8.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Mar 2022 9:19

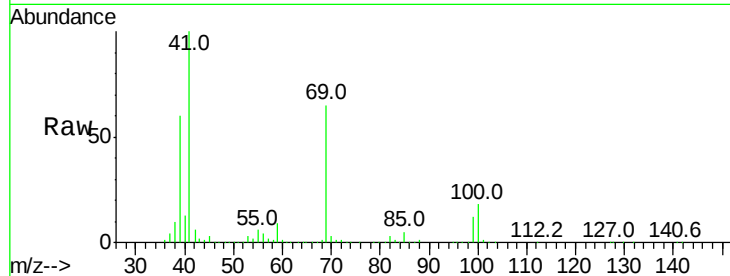
Tgt Ion: 69 Resp: 747019

Ion Ratio Lower Upper

69 100

41 150.3 122.9 184.3

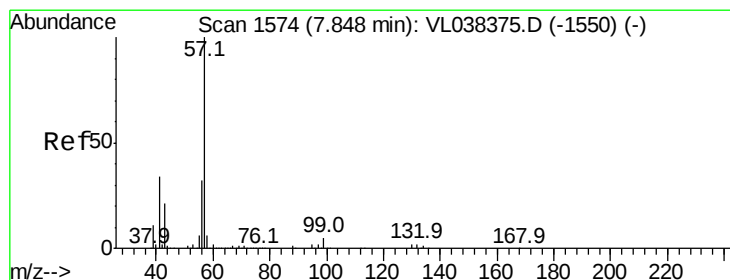
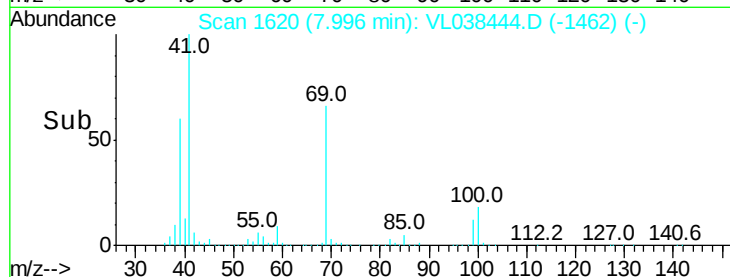
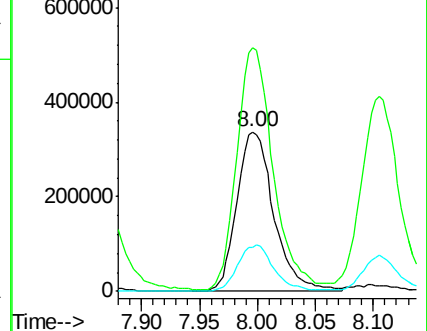
100 28.7 23.6 35.4



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.44 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

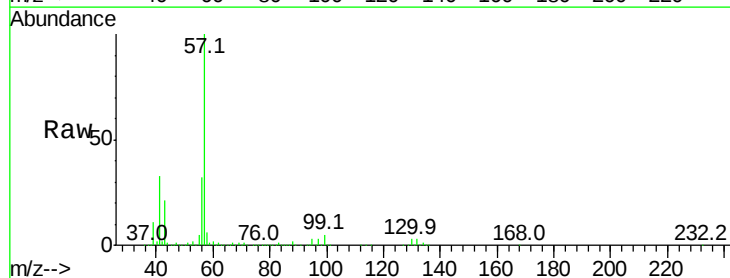
Tgt Ion: 57 Resp: 3424117

Ion Ratio Lower Upper

57 100

41 33.8 26.6 39.8

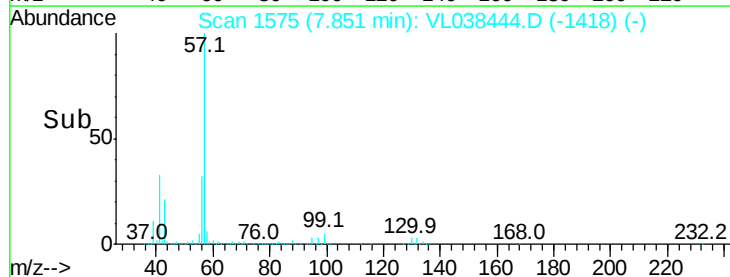
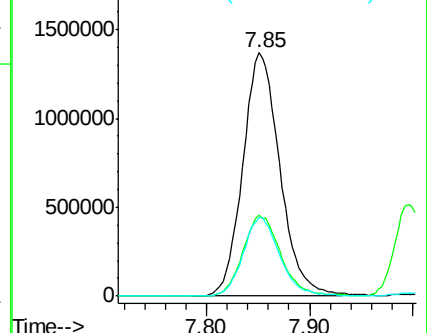
56 32.1 25.0 37.6

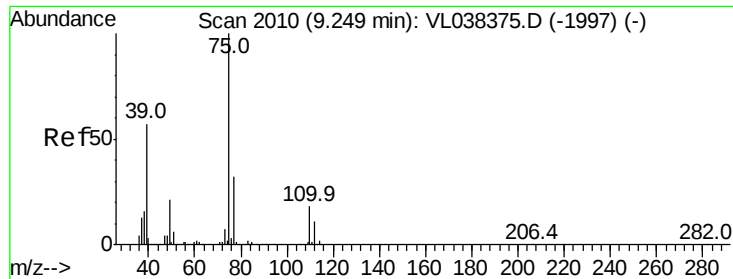


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.35 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

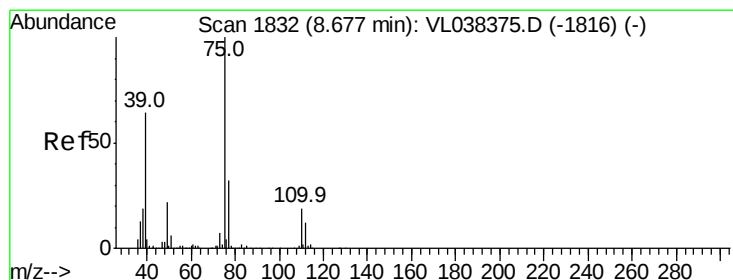
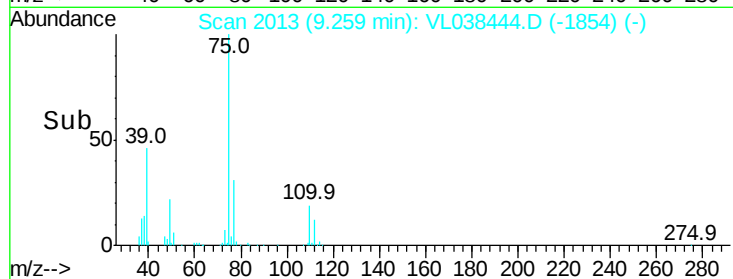
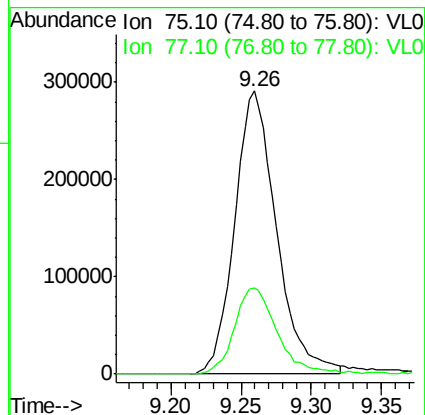
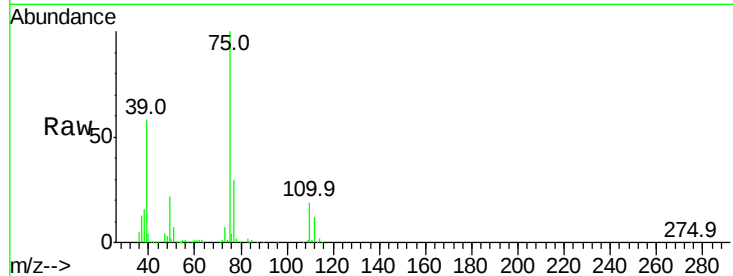
Acq: 1 Mar 2022 9:19 VSTDCCC010

Tgt Ion: 75 Resp: 601484

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0



#46

cis-1,3-Dichloropropene

Concen: 11.18 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

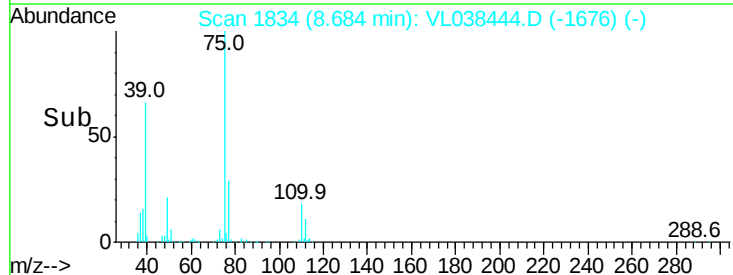
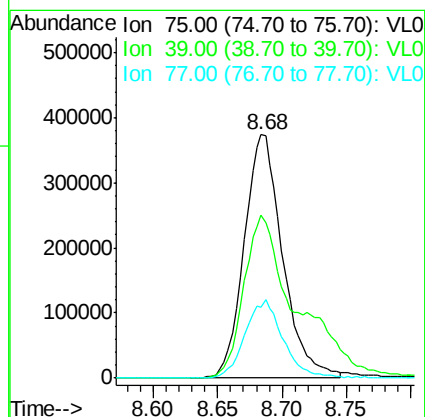
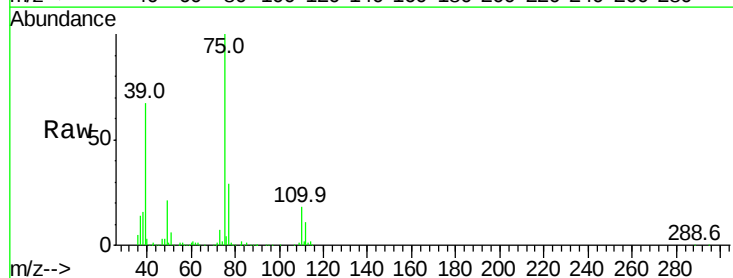
Tgt Ion: 75 Resp: 776999

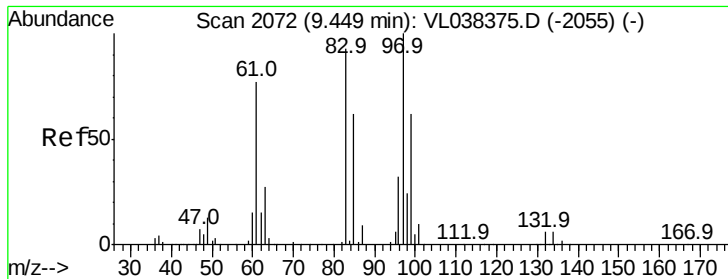
Ion Ratio Lower Upper

75 100

39 66.8 51.4 77.2

77 29.0 25.4 38.2





#47

1,1,2-Trichloroethane

Concen: 10.27 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 9:19 VSTDCCC010

Tgt Ion: 97 Resp: 776381

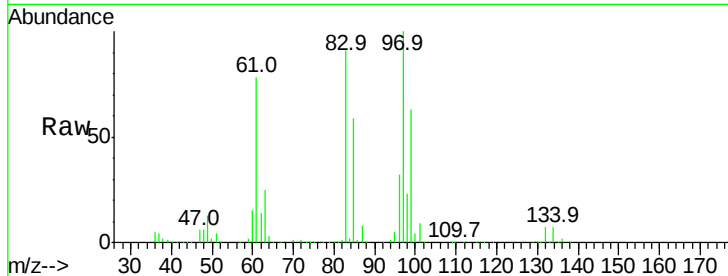
Ion Ratio Lower Upper

97 100

83 90.8 74.2 111.4

85 59.2 49.8 74.8

99 63.0 49.5 74.3

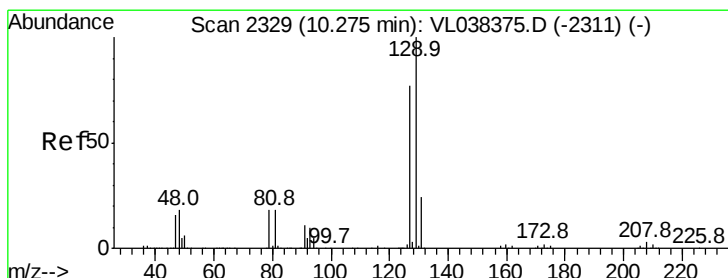
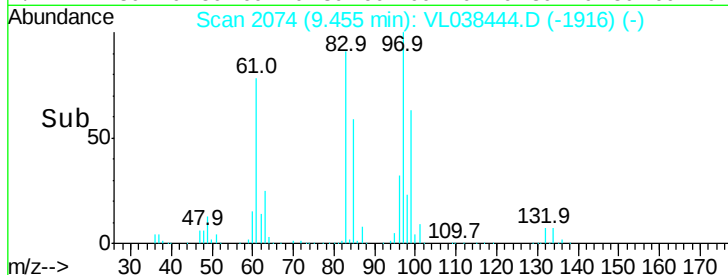
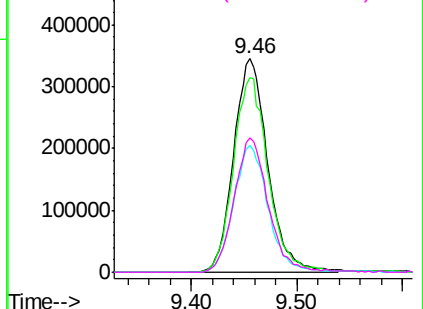


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.50 ppbv

RT: 10.28 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VL038444.D

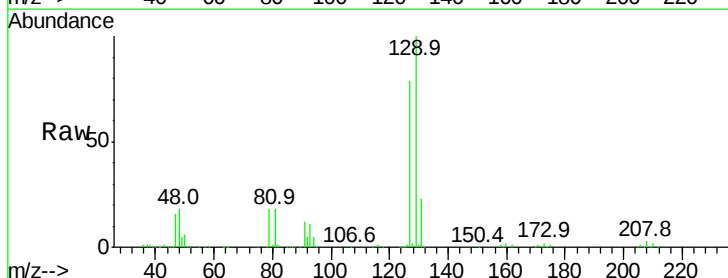
Acq: 1 Mar 2022 9:19

Tgt Ion: 129 Resp: 1298070

Ion Ratio Lower Upper

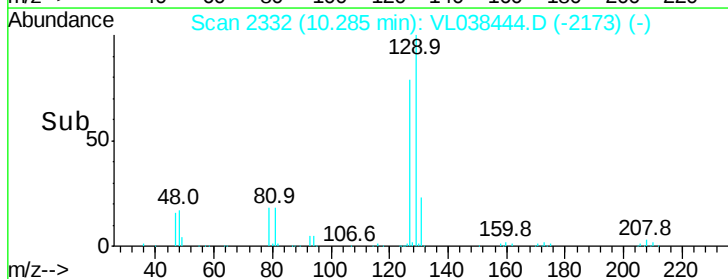
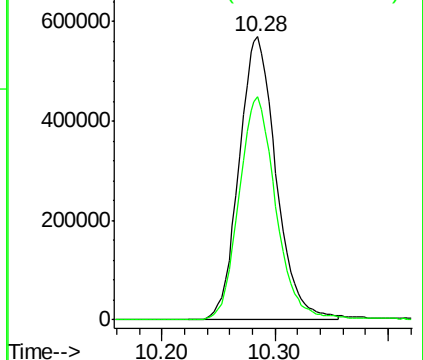
129 100

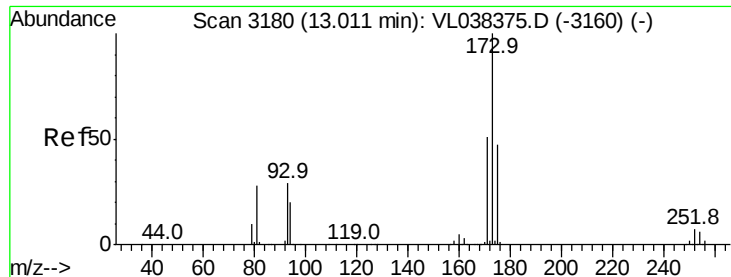
127 79.1 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.45 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 9:19

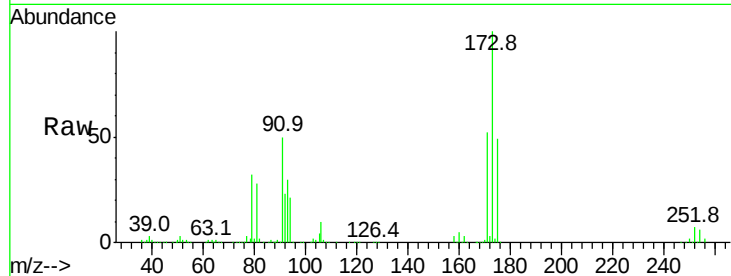
Tgt Ion: 173 Resp: 862809

Ion Ratio Lower Upper

173 100

175 51.3 40.2 60.2

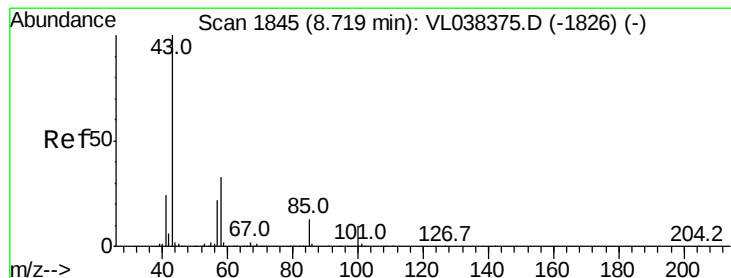
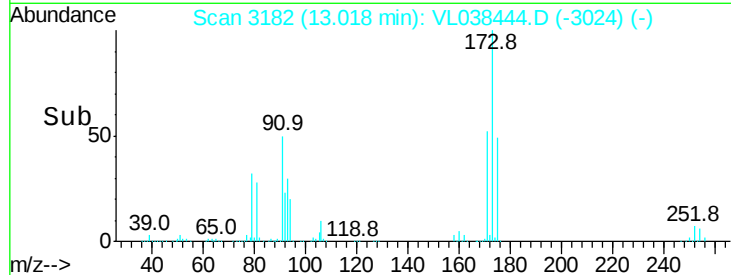
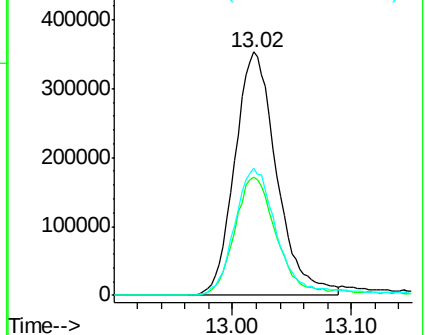
171 54.4 42.7 64.1



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: 11.41 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VL038444.D

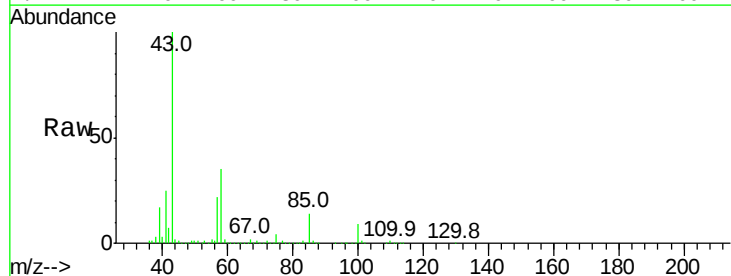
Acq: 1 Mar 2022 9:19

Tgt Ion: 43 Resp: 1375297

Ion Ratio Lower Upper

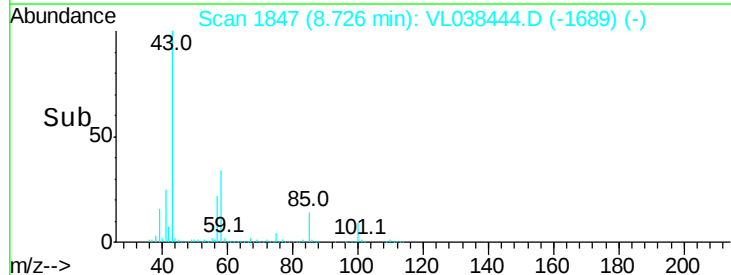
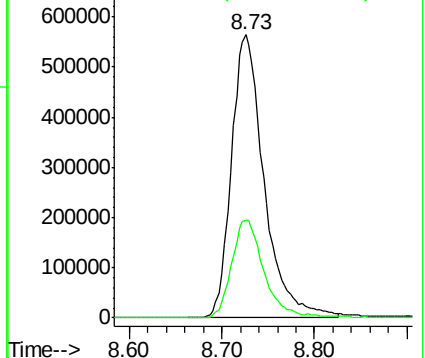
43 100

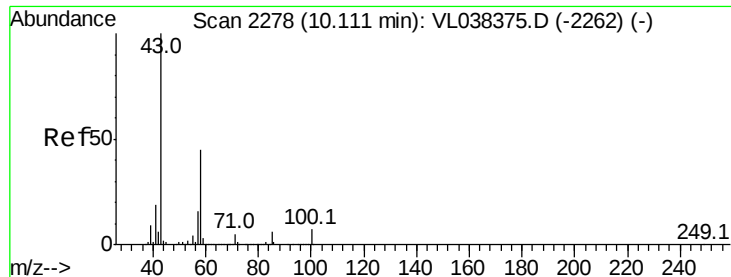
58 34.7 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.81 ppbv

RT: 10.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 9:19

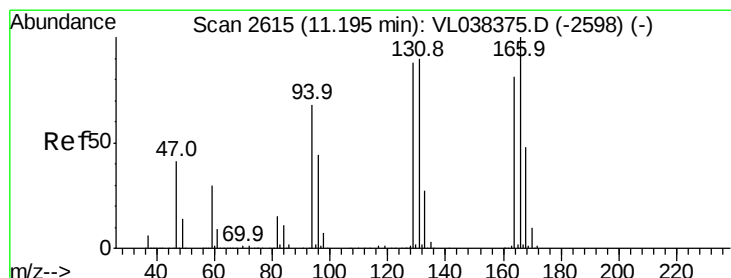
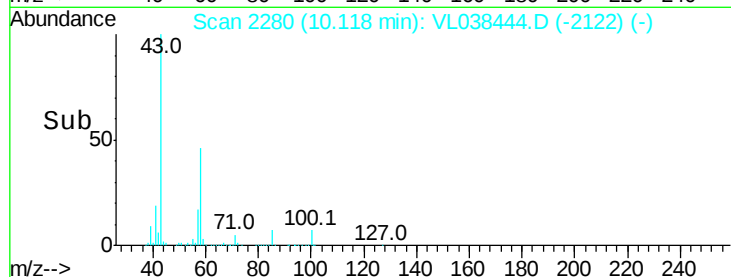
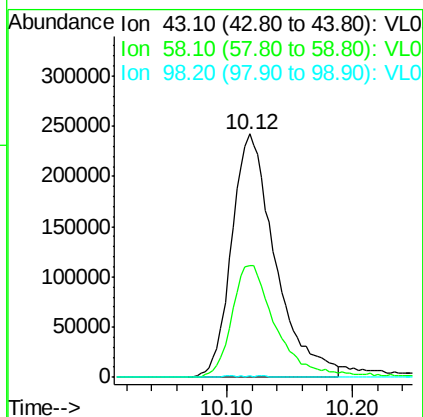
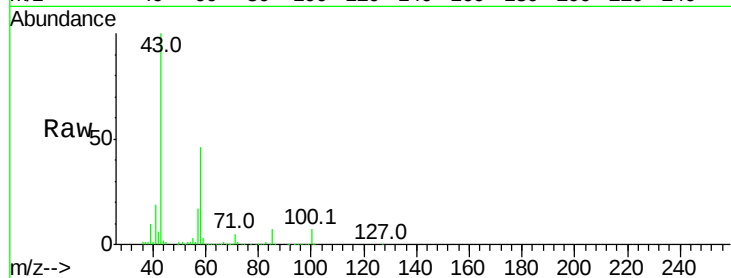
Tgt Ion: 43 Resp: 583411

Ion Ratio Lower Upper

43 100

58 48.1 37.4 56.0

98 0.8 0.1 0.1#



#52

Tetrachloroethene

Concen: 9.52 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

Tgt Ion: 164 Resp: 602802

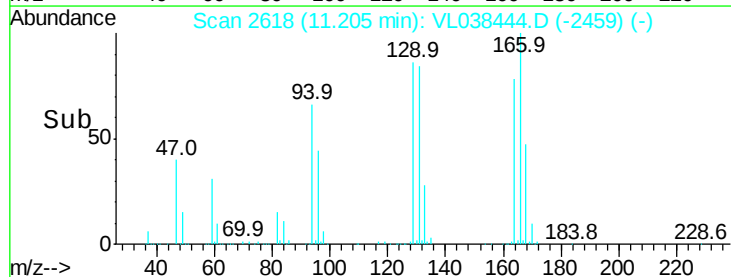
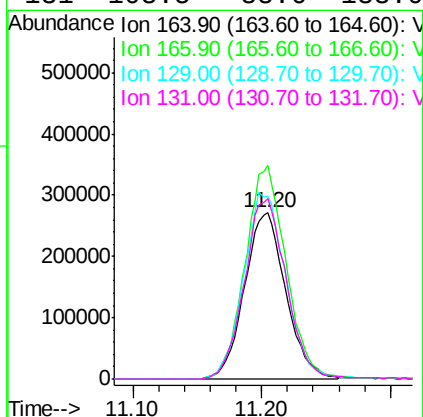
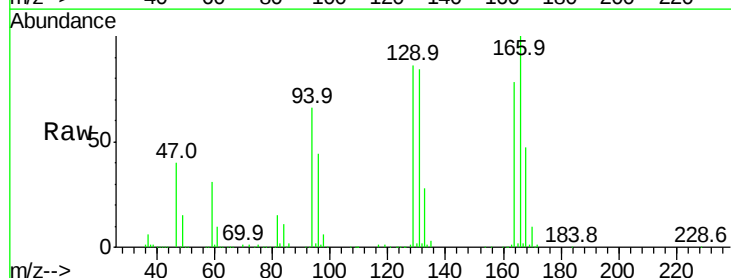
Ion Ratio Lower Upper

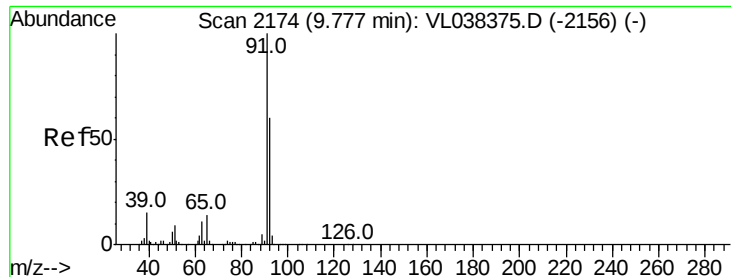
164 100

166 128.6 98.6 148.0

129 110.2 86.9 130.3

131 108.5 88.6 133.0





#53

Toluene

Concen: 10.51 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

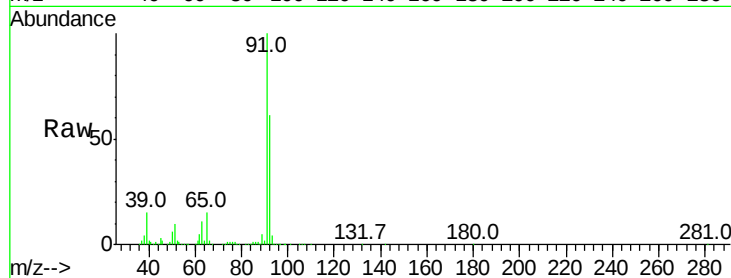
Acq: 1 Mar 2022 9:19 VSTDCCC010

Tgt Ion: 91 Resp: 2176756

Ion Ratio Lower Upper

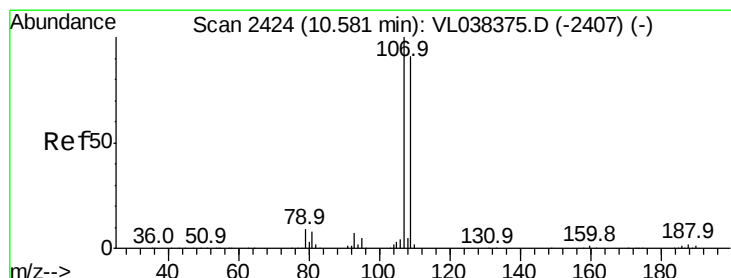
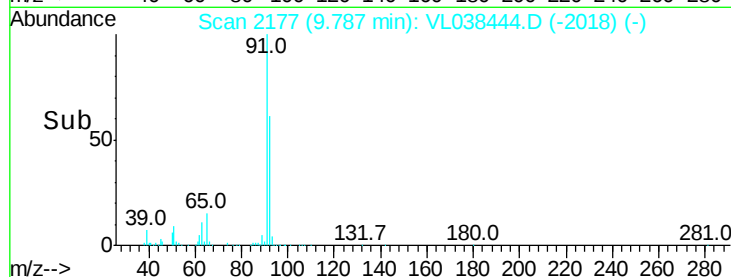
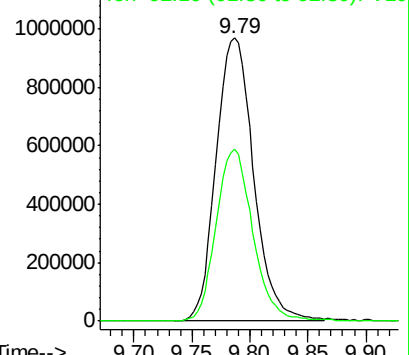
91 100

92 60.1 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.32 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. 0.01 min

Lab File: VL038444.D

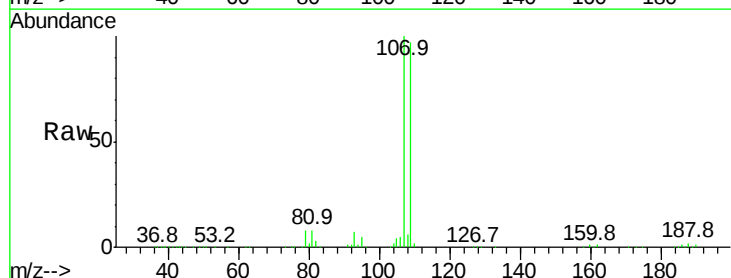
Acq: 1 Mar 2022 9:19

Tgt Ion: 107 Resp: 1098192

Ion Ratio Lower Upper

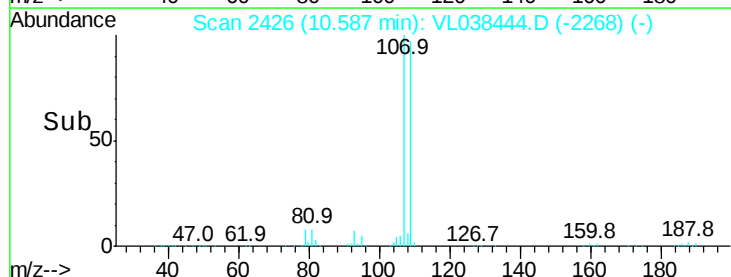
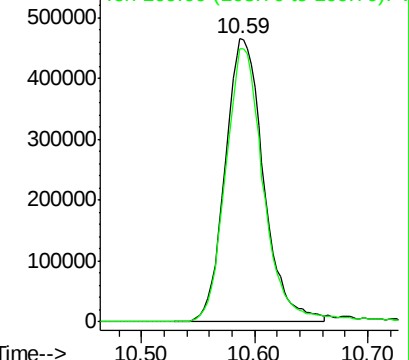
107 100

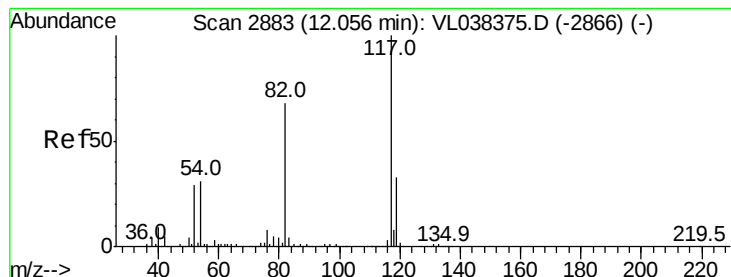
109 96.5 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 9:19

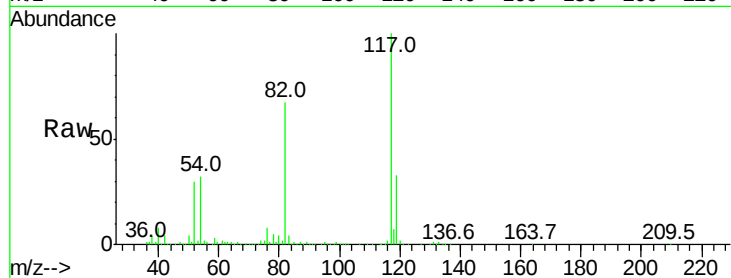
Tgt Ion:117 Resp: 2480275

Ion Ratio Lower Upper

117 100

82 56.2 54.9 82.3

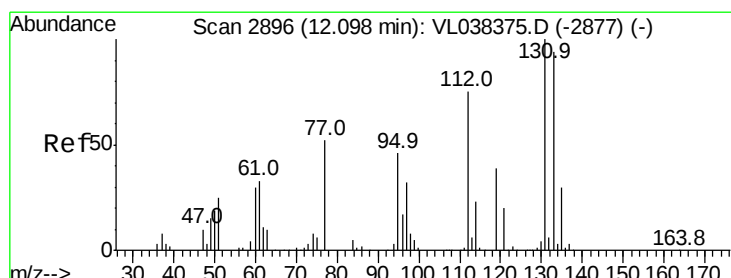
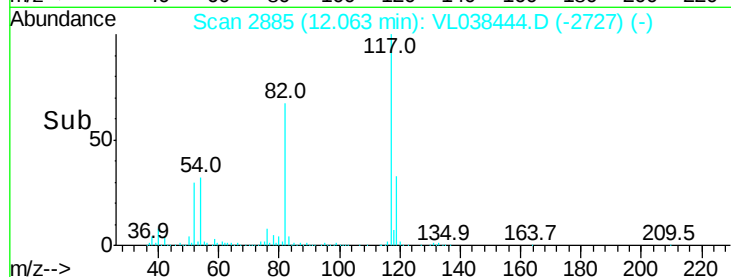
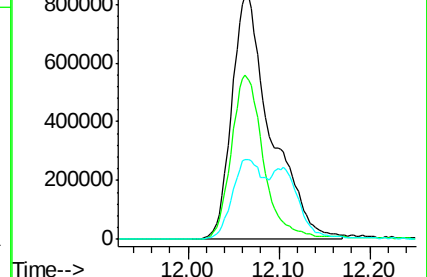
119 26.8 46.1 69.1#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.14 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

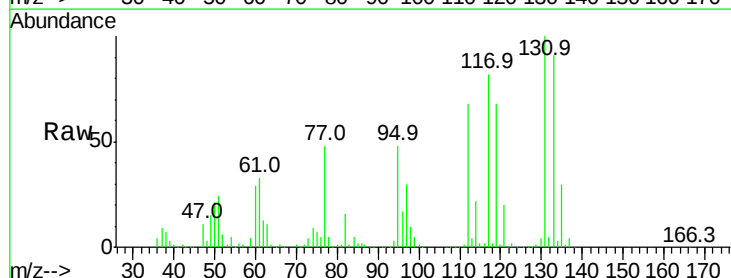
Tgt Ion:131 Resp: 841970

Ion Ratio Lower Upper

131 100

133 97.1 77.3 115.9

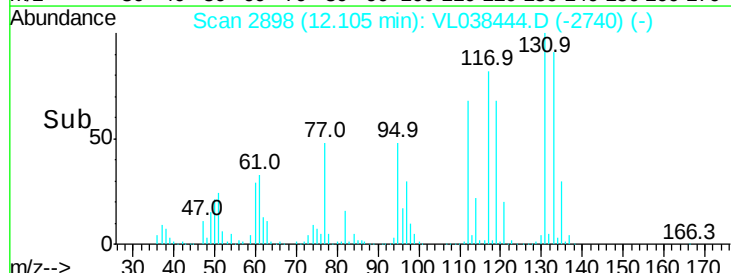
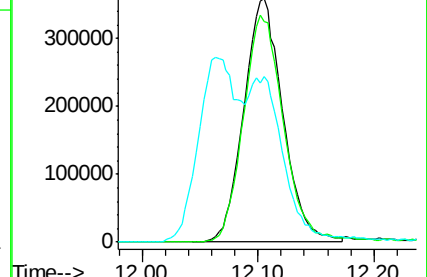
119 65.5 48.6 73.0

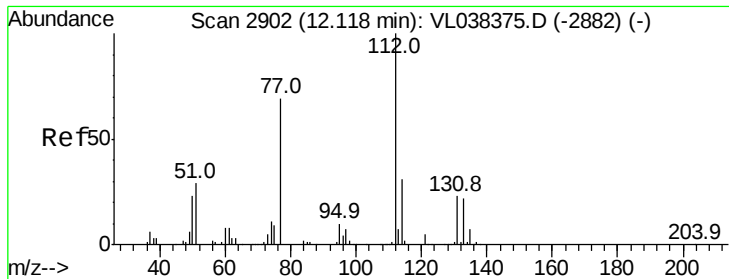


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.59 ppbv

RT: 12.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 9:19

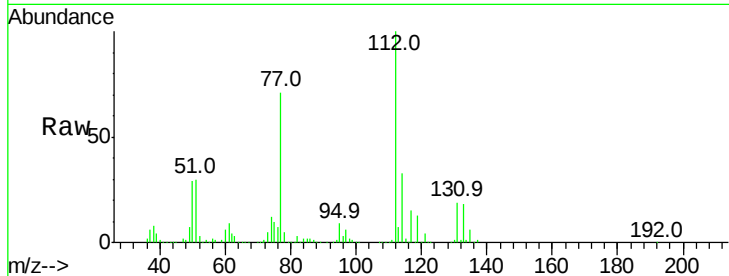
Tgt Ion: 112 Resp: 1451980

Ion Ratio Lower Upper

112 100

77 69.4 55.2 82.8

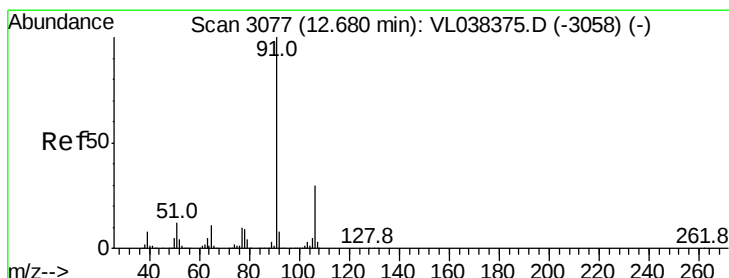
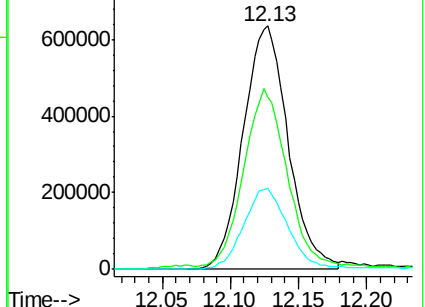
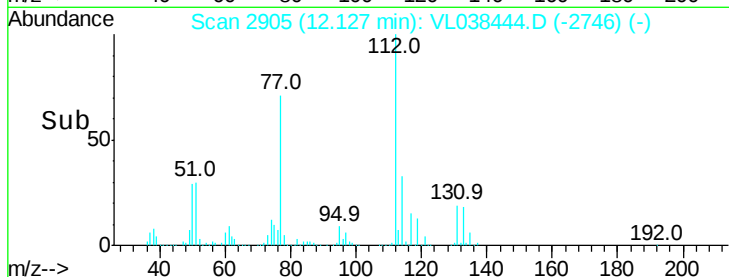
114 33.1 27.9 34.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.11 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. 0.01 min

Lab File: VL038444.D

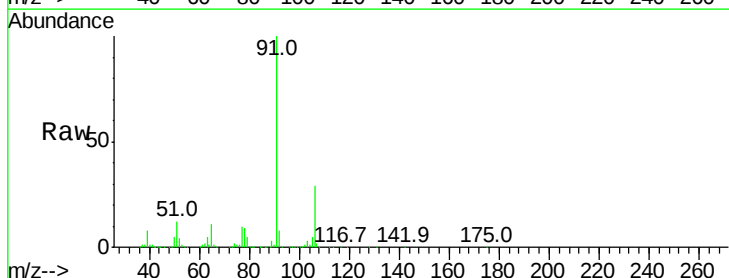
Acq: 1 Mar 2022 9:19

Tgt Ion: 91 Resp: 2752231

Ion Ratio Lower Upper

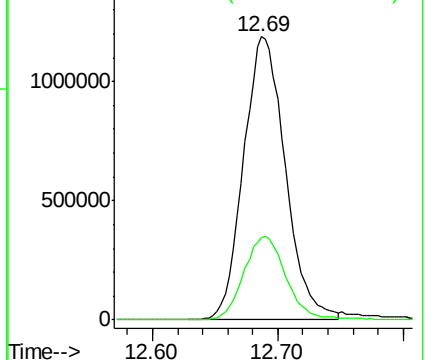
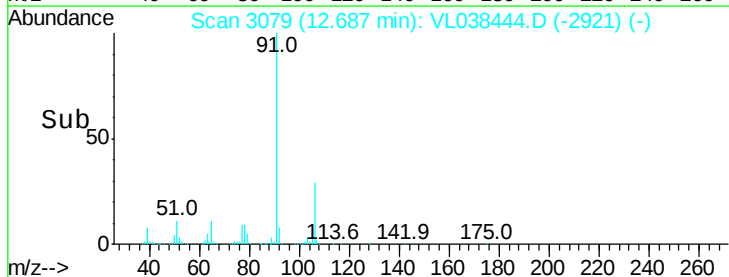
91 100

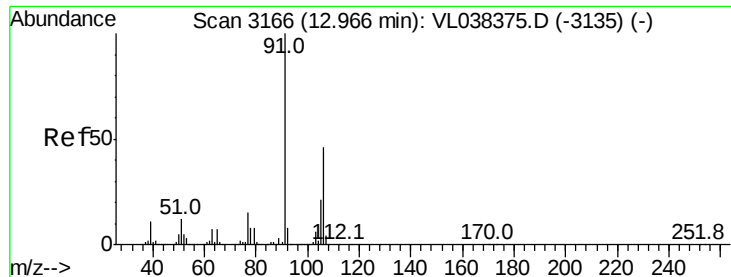
106 28.9 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

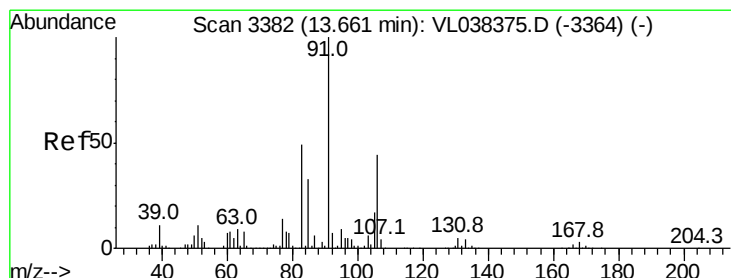
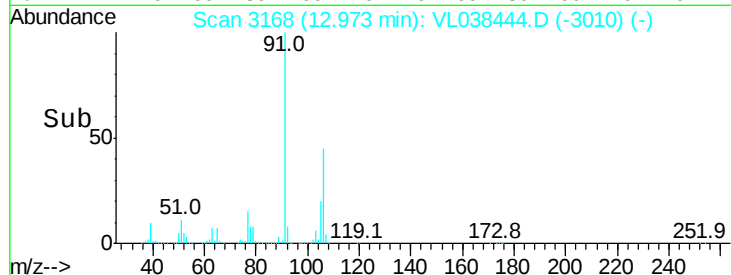
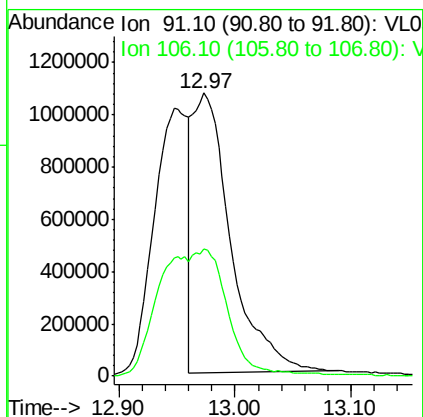
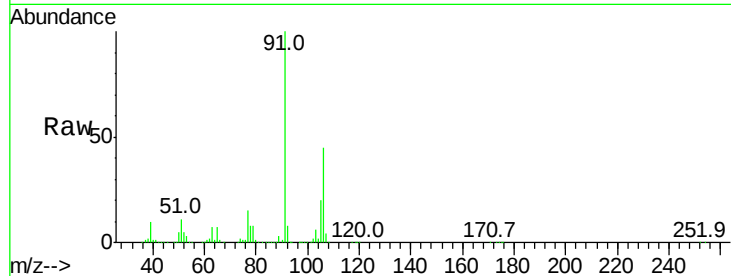
Ion 106.10 (105.80 to 106.80): V





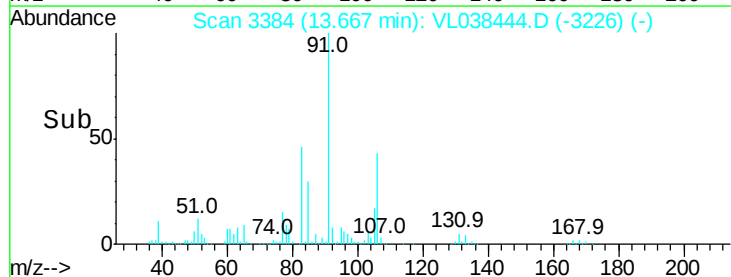
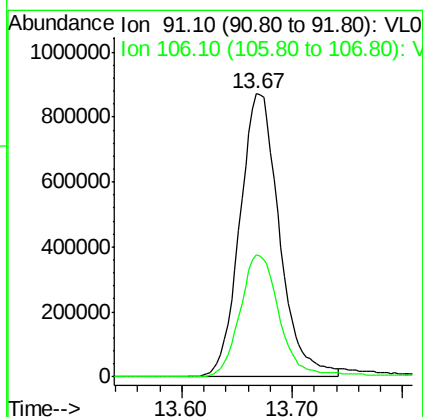
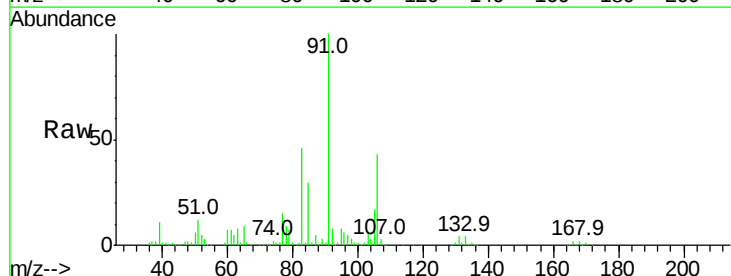
#59
m/p-Xylene
Concen: 8.44 ppbv
RT: 12.97
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 1 Mar 2022 9:19

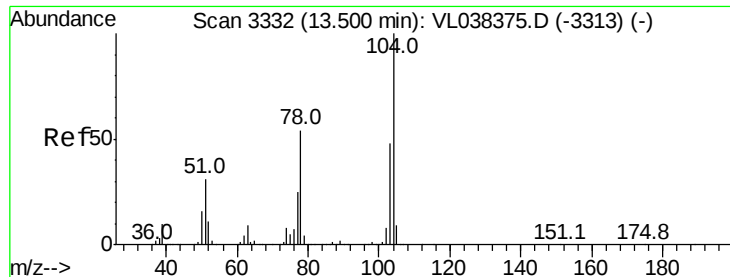
Tgt Ion: 91 Resp: 2459037
Ion Ratio Lower Upper
91 100
106 81.9 34.4 51.6#



#60
o-Xylene
Concen: 7.83 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. 0.01 min
Lab File: VL038444.D
Acq: 1 Mar 2022 9:19

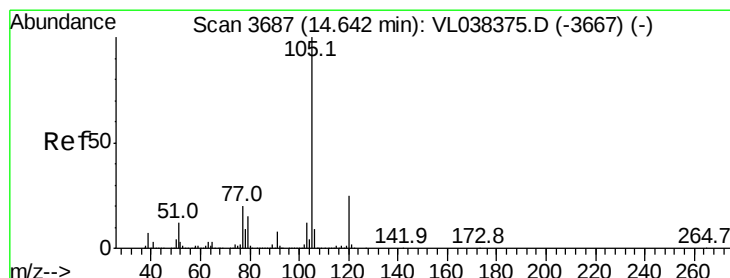
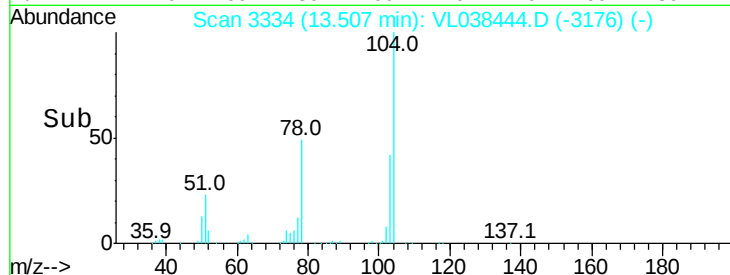
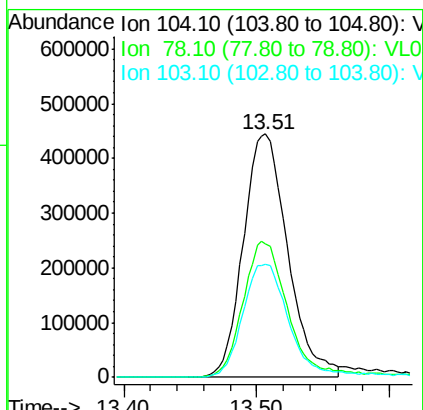
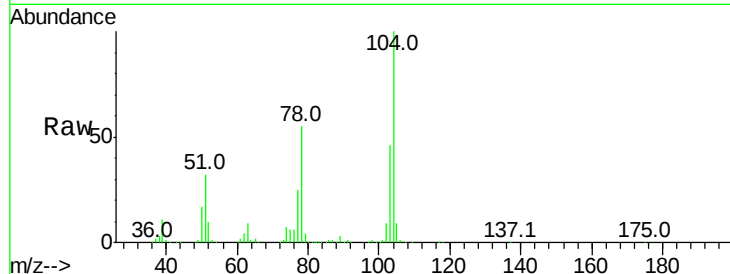
Tgt Ion: 91 Resp: 2157251
Ion Ratio Lower Upper
91 100
106 44.2 21.9 65.5





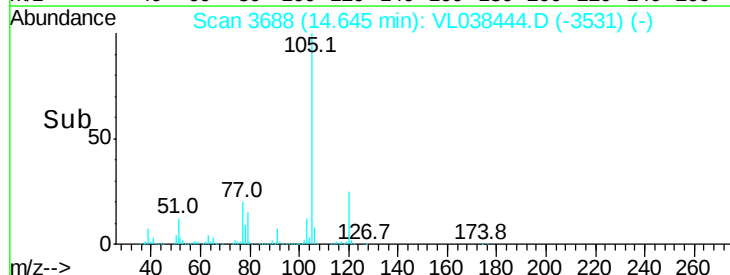
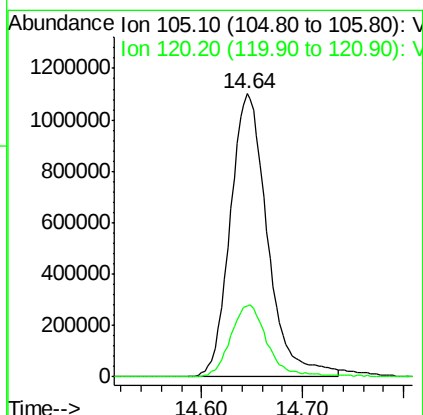
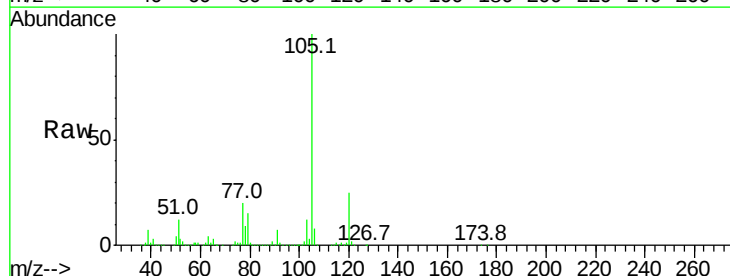
#61
Styrene
Concen: 8.14 ppbv
RT: 13.51
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010
Acq: 1 Mar 2022 9:19

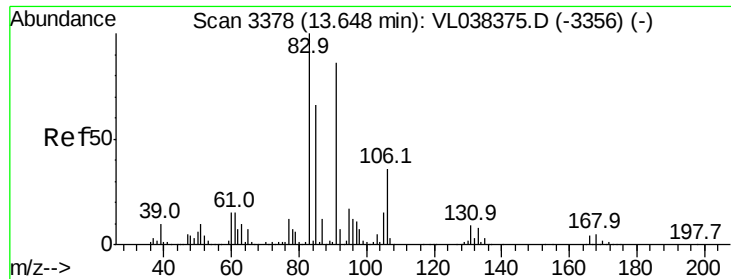
Tgt Ion:104 Resp: 1034093
Ion Ratio Lower Upper
104 100
78 57.3 44.2 66.4
103 49.2 38.4 57.6



#62
Isopropylbenzene
Concen: 7.64 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL038444.D
Acq: 1 Mar 2022 9:19

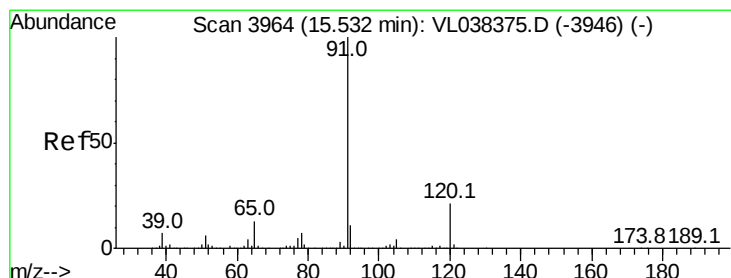
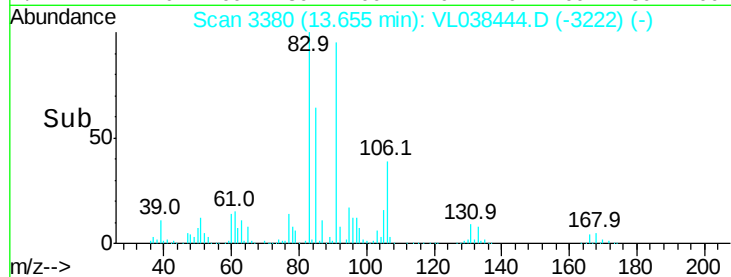
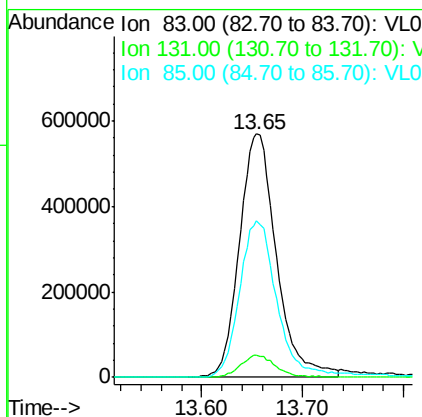
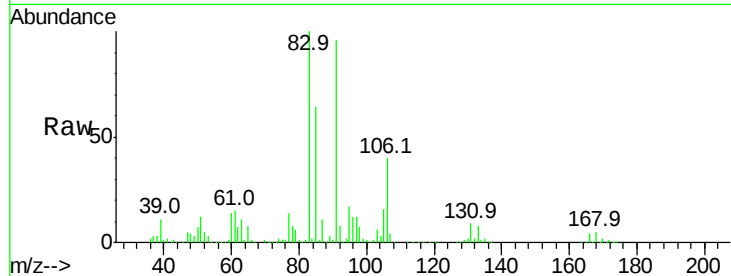
Tgt Ion:105 Resp: 2822662
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8





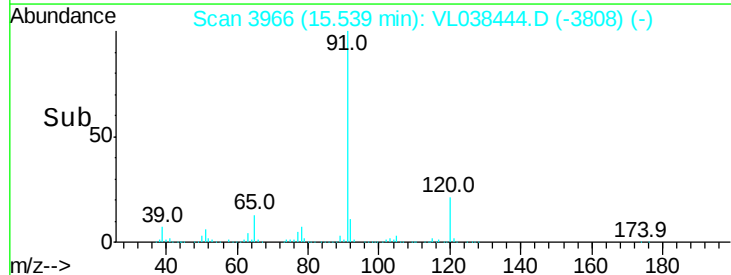
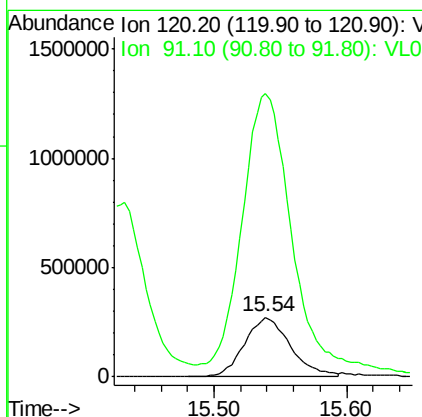
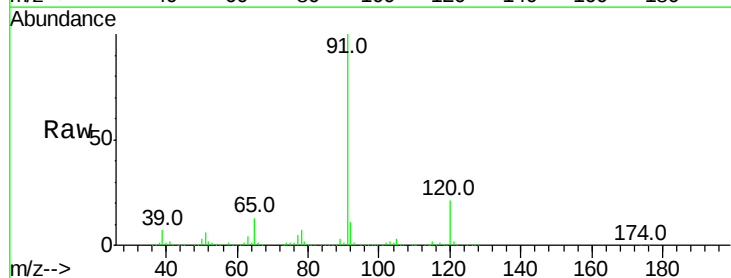
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.44 ppbv
 RT: 13.65 min
 Delta R.T. 0.01 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

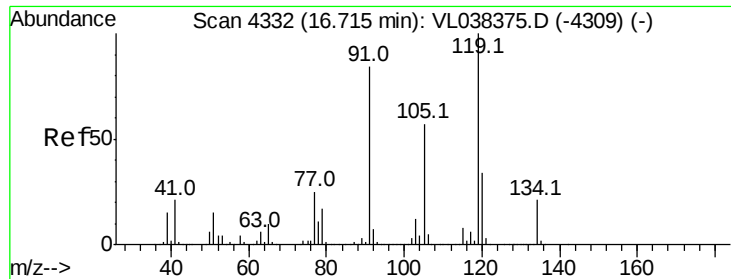
Tgt Ion: 83 Resp: 1440490
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.7
 85 66.9 33.0 99.0



#64
 n-propylbenzene
 Concen: 7.22 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. 0.01 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

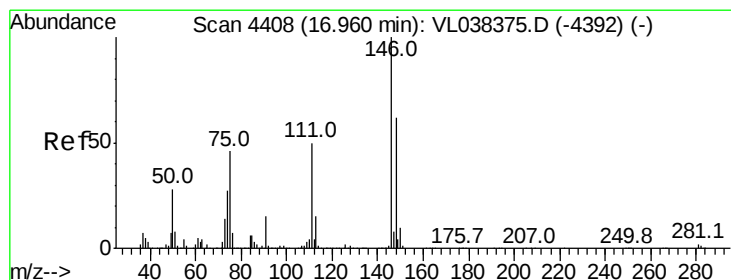
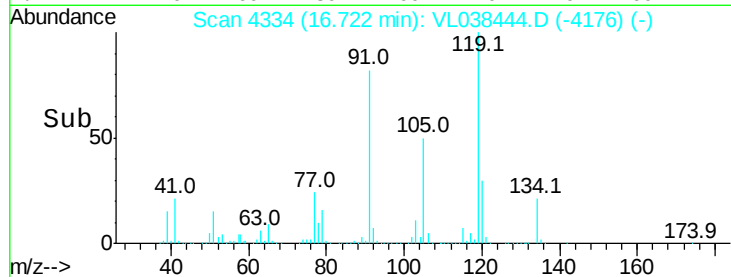
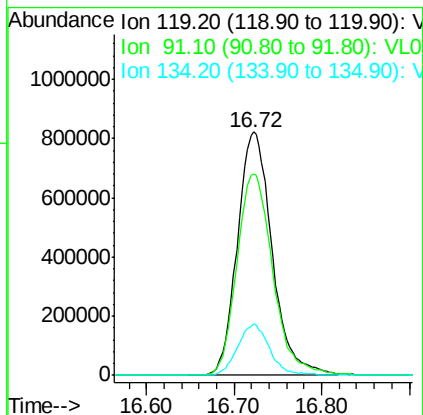
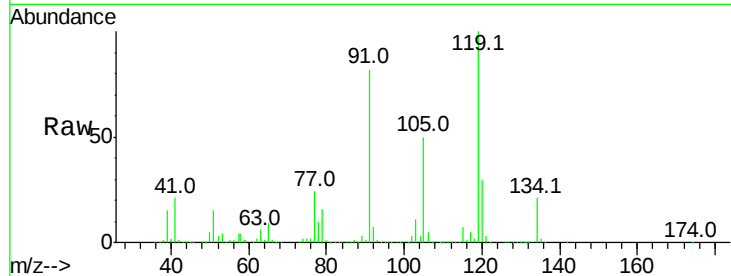
Tgt Ion: 120 Resp: 660853
 Ion Ratio Lower Upper
 120 100
 91 535.8 388.1 582.1





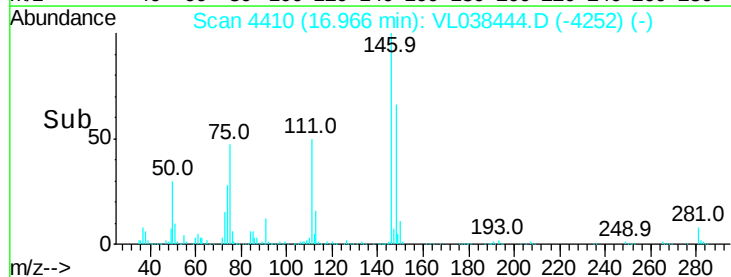
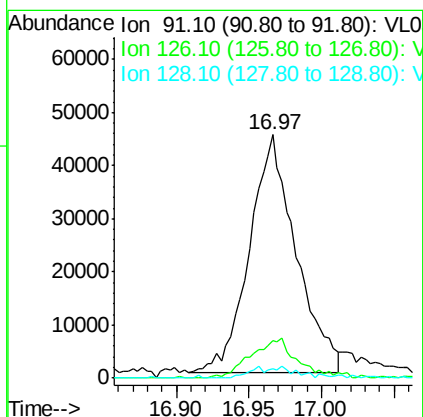
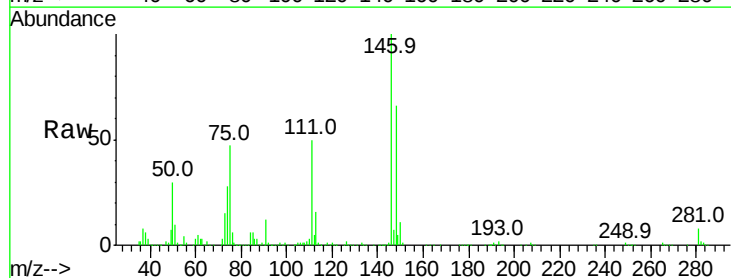
#65
 tert-Butylbenzene
 Concen: 7.07 ppbv
 RT: 16.72 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 1 Mar 2022 9:19

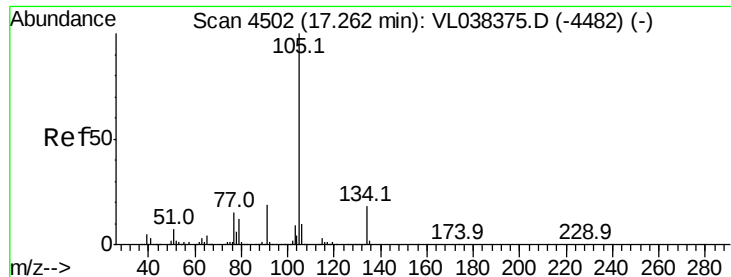
Tgt Ion: 119 Resp: 2262714
 Ion Ratio Lower Upper
 119 100
 91 86.1 68.0 102.0
 134 19.7 15.8 23.8



#66
 Benzyl Chloride
 Concen: 5.78 ppbv
 RT: 16.97 min Scan# 4410
 Delta R.T. 0.01 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

Tgt Ion: 91 Resp: 99910
 Ion Ratio Lower Upper
 91 100
 126 17.6 12.3 18.5
 128 4.6 4.2 6.4





#67

sec-Butylbenzene

Concen: 6.89 ppbv

RT: 17.27 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

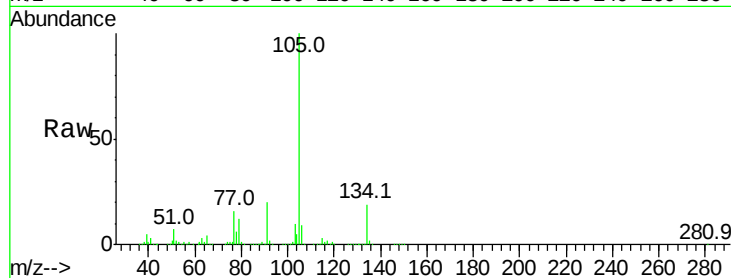
Acq: 1 Mar 2022 9:19

Tgt Ion: 105 Resp: 3124510

Ion Ratio Lower Upper

105 100

134 18.0 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

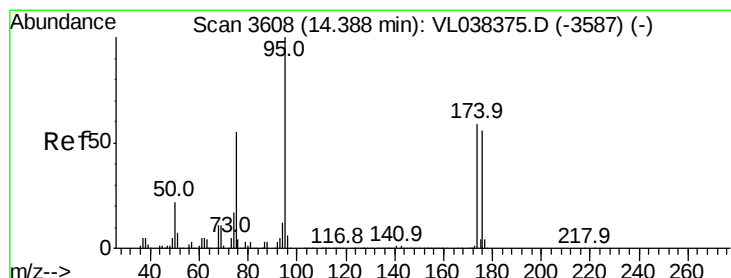
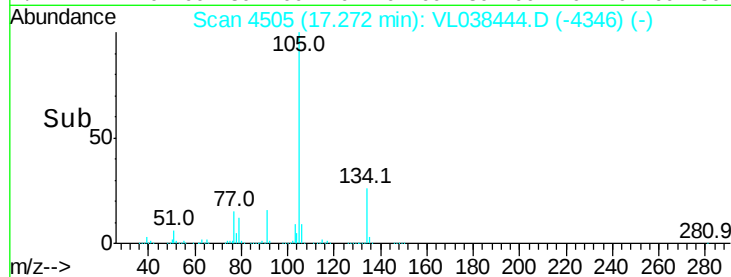
17.27

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 7.91 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. 0.00 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

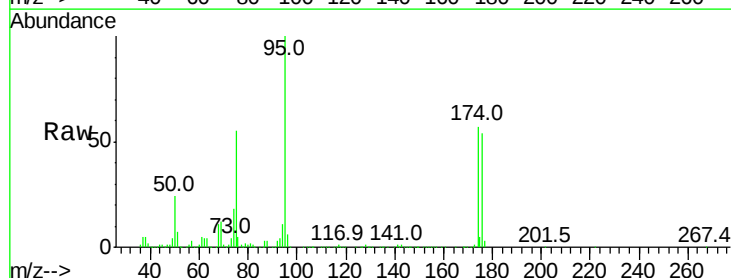
Tgt Ion: 95 Resp: 1622463

Ion Ratio Lower Upper

95 100

174 61.3 49.0 73.4

175 4.6 3.6 5.4



Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.39

800000

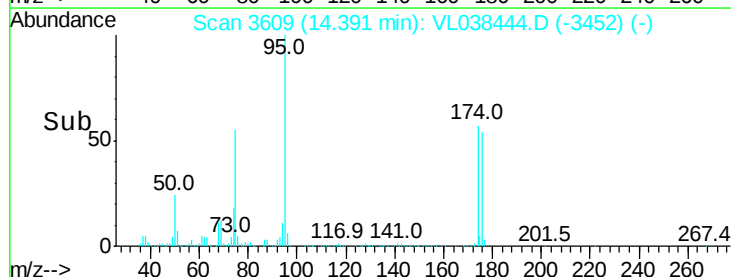
600000

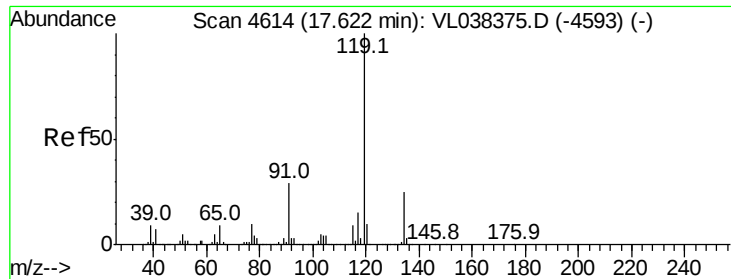
400000

200000

0

Time-->

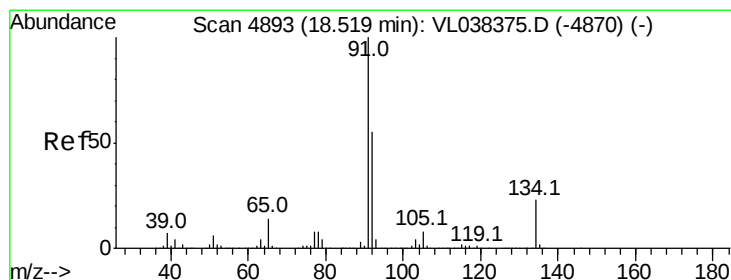
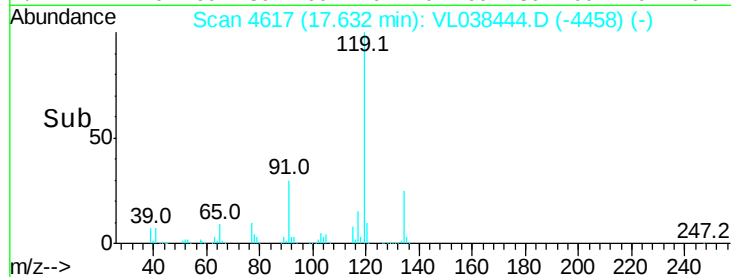
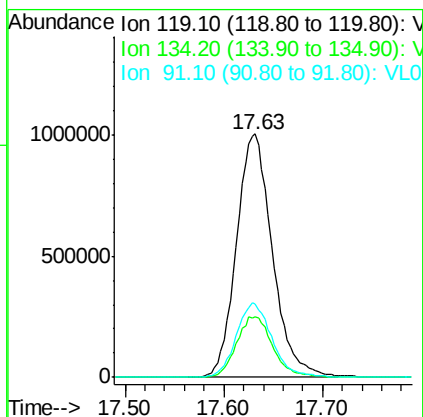
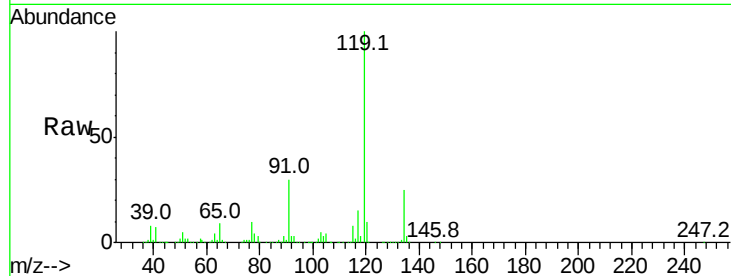




#69
 p-Isopropyltoluene
 Concen: 7.11 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 1 Mar 2022 9:19

Tgt Ion: 119 Resp: 2533437

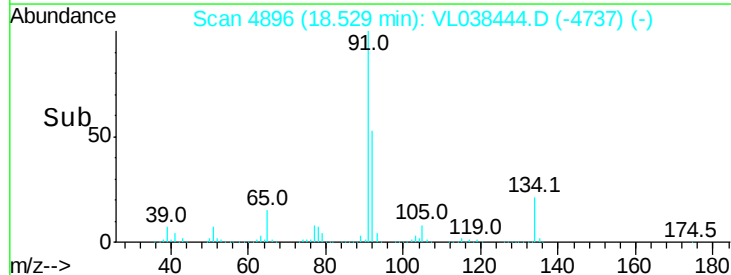
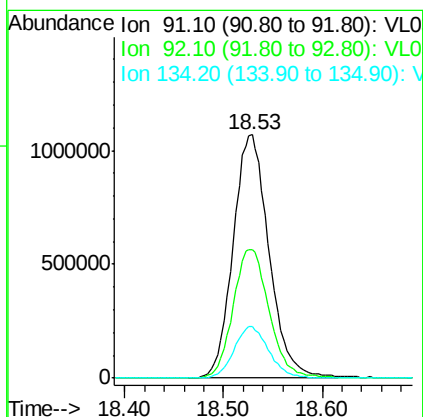
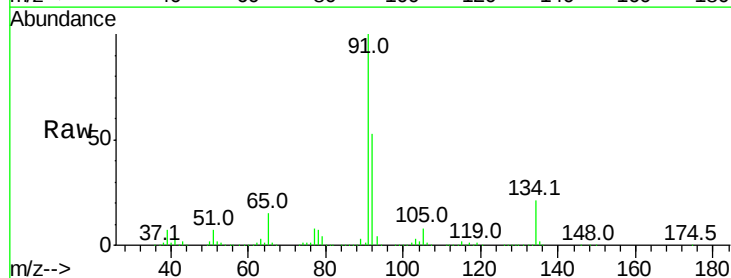
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	30.2	23.8	35.8

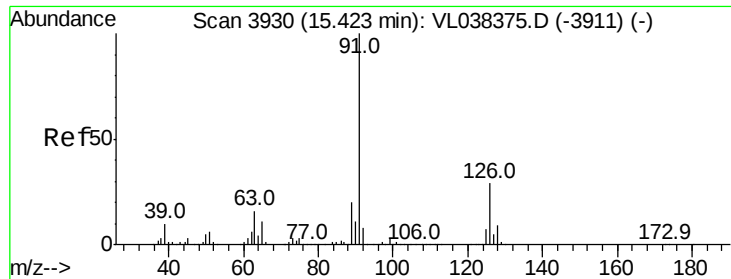


#70
 n-Butylbenzene
 Concen: 7.31 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. 0.01 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

Tgt Ion: 91 Resp: 2695052

Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.1	64.7
134	20.8	17.4	26.0





#71

2-Chlorotoluene

Concen: 6.96 ppbv

RT: 15.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

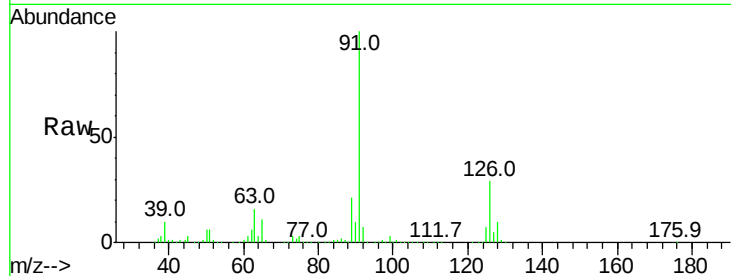
Acq: 1 Mar 2022 9:19

Tgt Ion: 91 Resp: 1978237

Ion Ratio Lower Upper

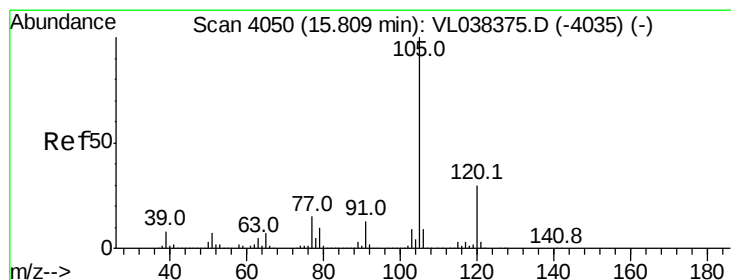
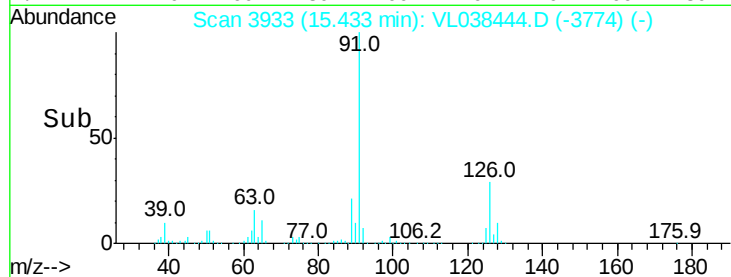
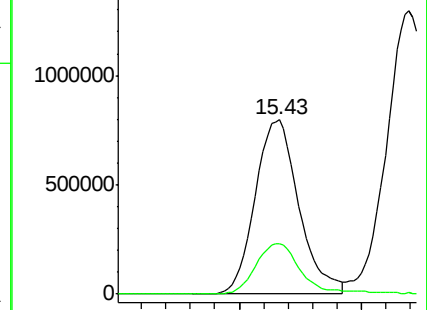
91 100

126 31.0 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.69 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

Tgt Ion: 105 Resp: 2331674

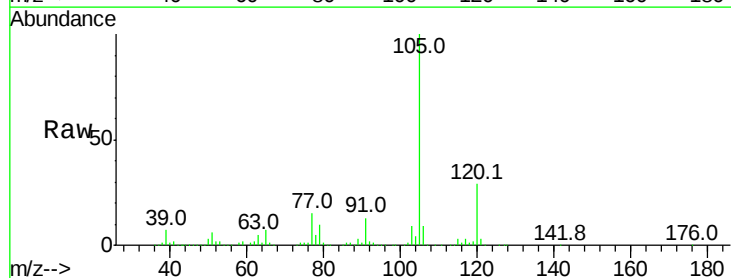
Ion Ratio Lower Upper

105 100

120 28.5 23.4 35.2

91 12.4 10.4 15.6

77 14.4 11.6 17.4

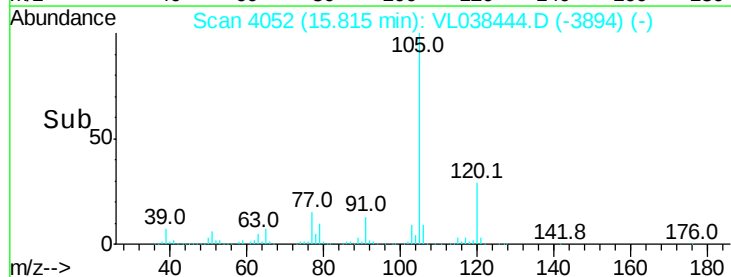
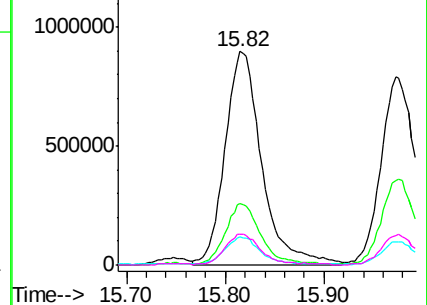


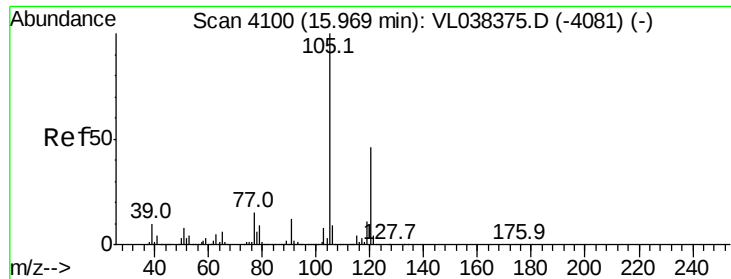
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 7.19 ppbv

RT: 15.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

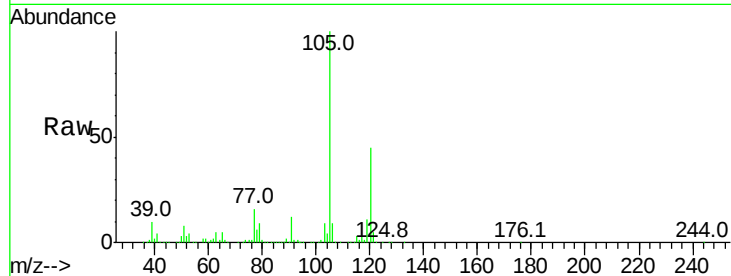
Acq: 1 Mar 2022 9:19

Tgt Ion:105 Resp: 1979813

Ion Ratio Lower Upper

105 100

120 45.2 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

800000

600000

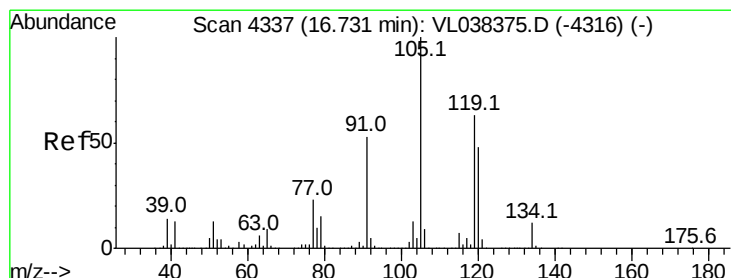
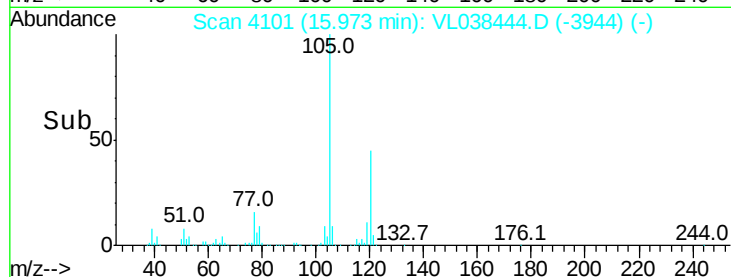
400000

200000

0

15.90 15.97 16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.12 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

Tgt Ion:105 Resp: 2070561

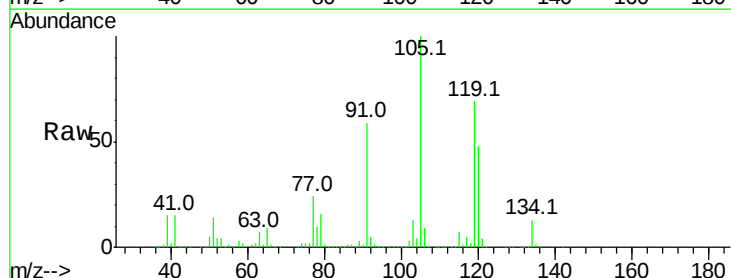
Ion Ratio Lower Upper

105 100

120 47.6 38.2 57.4

91 59.0 42.7 64.1

77 24.1 18.5 27.7



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): V

Ion 77.10 (76.80 to 77.80): V

1200000

1000000

800000

600000

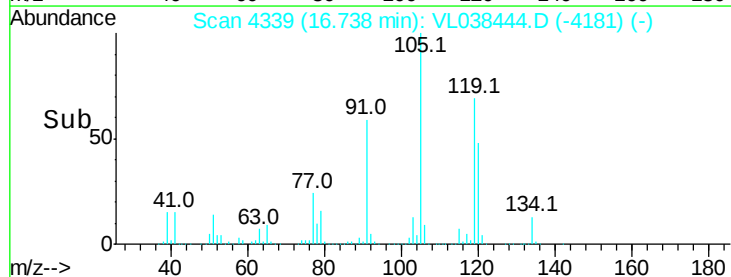
400000

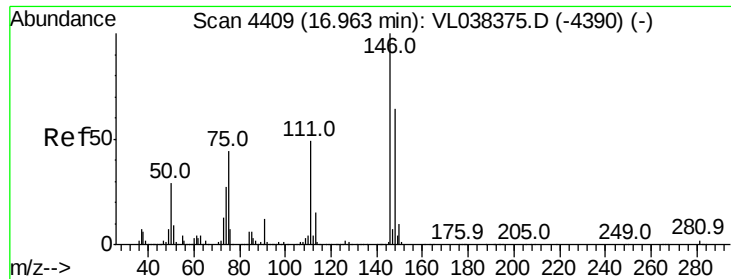
200000

0

16.60 16.70 16.74 16.80

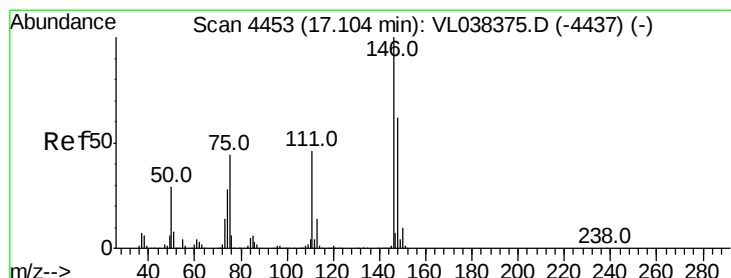
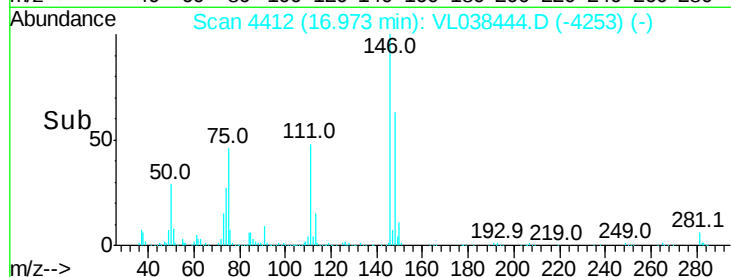
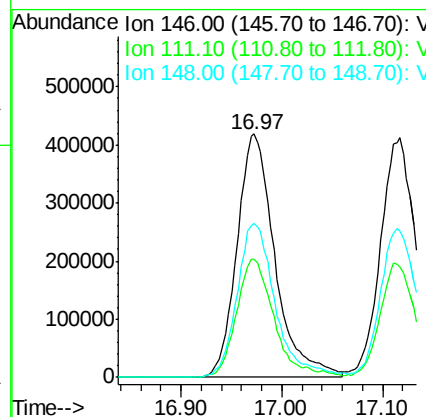
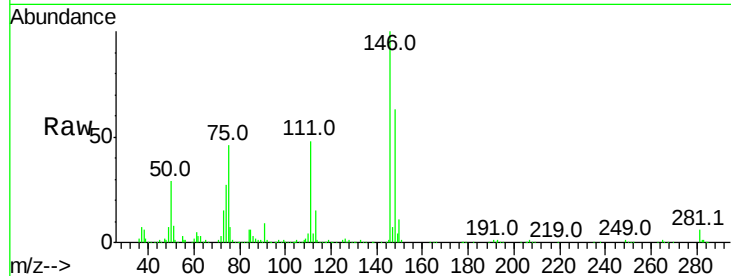
Time-->





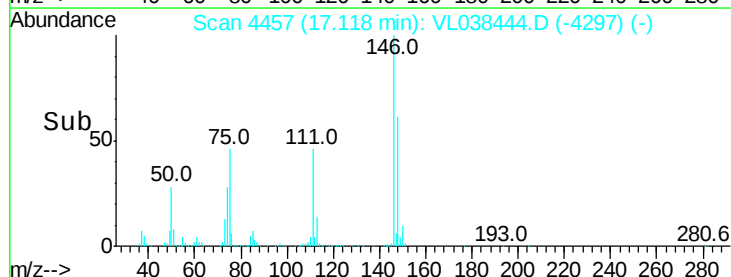
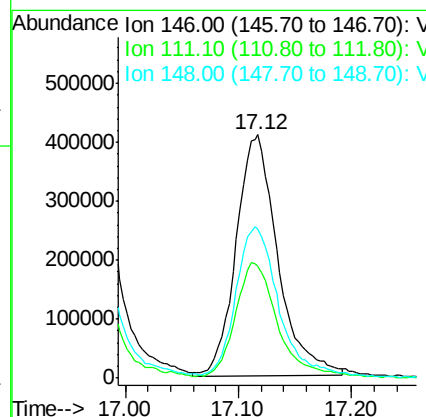
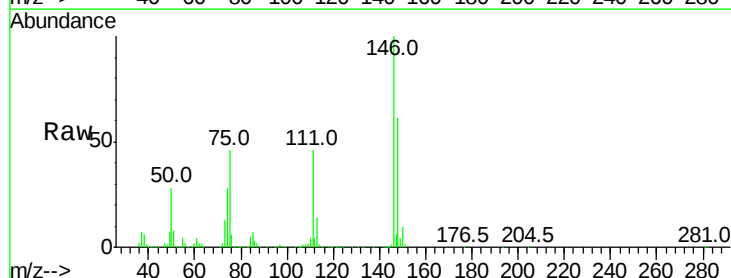
#75
 1,3-Dichlorobenzene
 Concen: 6.72 ppbv
 RT: 16.97
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 1 Mar 2022 9:19

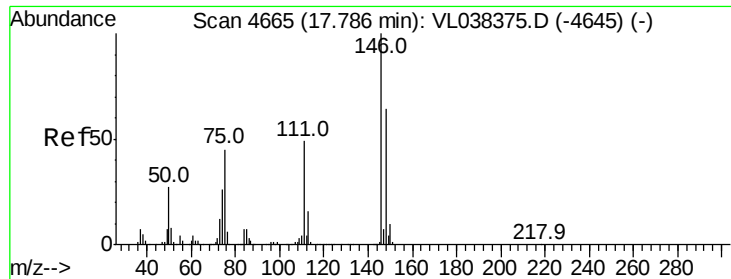
Tgt Ion:146 Resp: 1094466
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.3 72.9
 148 64.0 32.0 96.0



#76
 1,4-Dichlorobenzene
 Concen: 6.54 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.01 min
 Lab File: VL038444.D
 Acq: 1 Mar 2022 9:19

Tgt Ion:146 Resp: 1050543
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.1 72.2
 148 65.4 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 6.59 ppbv

RT: 17.79

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 9:19

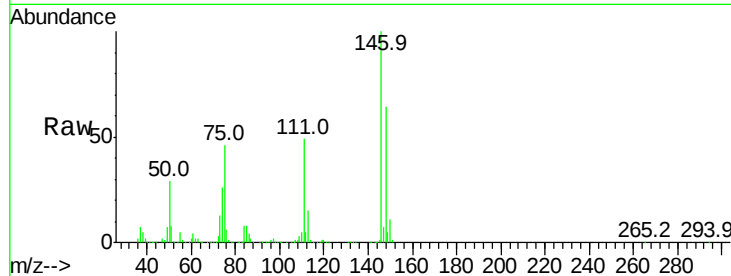
Tgt Ion:146 Resp: 1033729

Ion Ratio Lower Upper

146 100

111 50.9 25.6 76.6

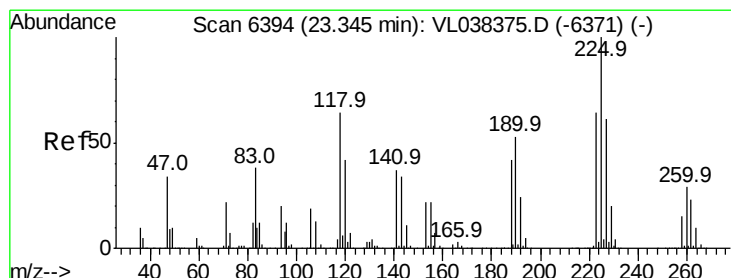
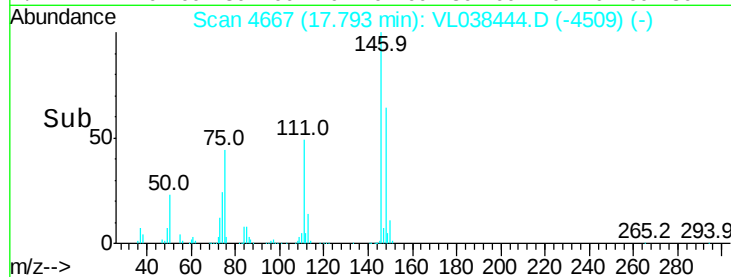
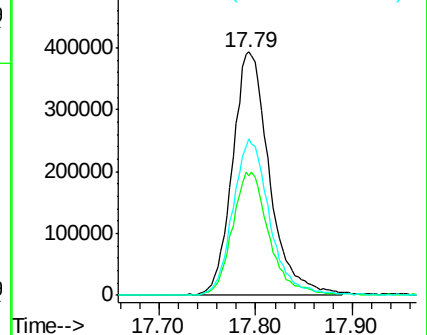
148 64.6 32.4 97.2



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.10 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. 0.01 min

Lab File: VL038444.D

Acq: 1 Mar 2022 9:19

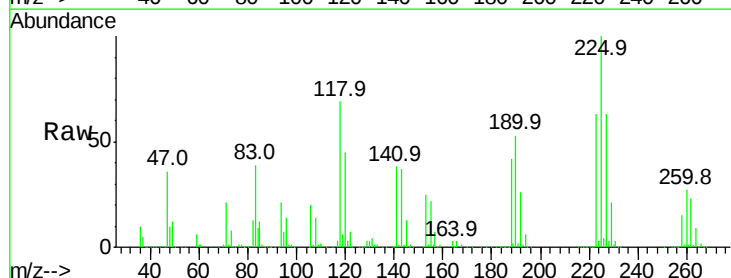
Tgt Ion:225 Resp: 849155

Ion Ratio Lower Upper

225 100

223 64.3 52.0 78.0

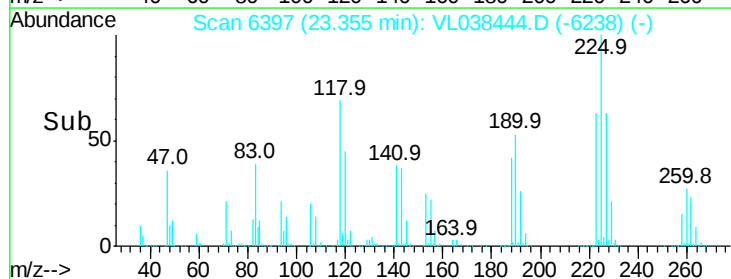
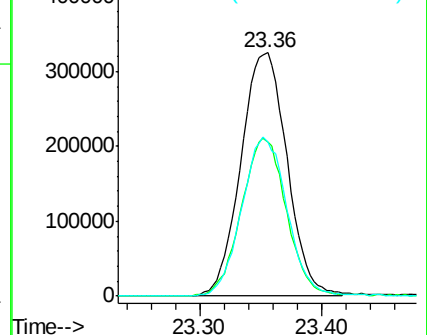
227 64.9 51.6 77.4

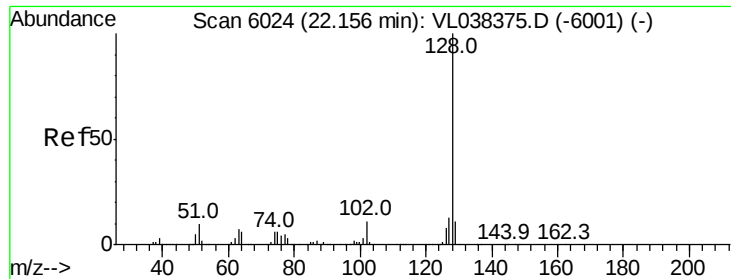


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

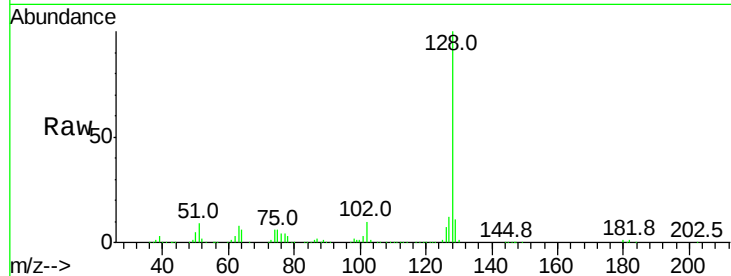
Ion 226.90 (226.60 to 227.60): V



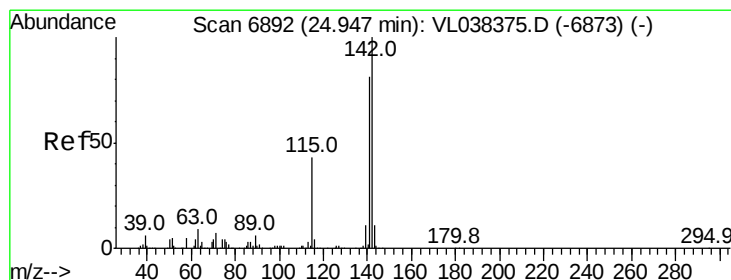
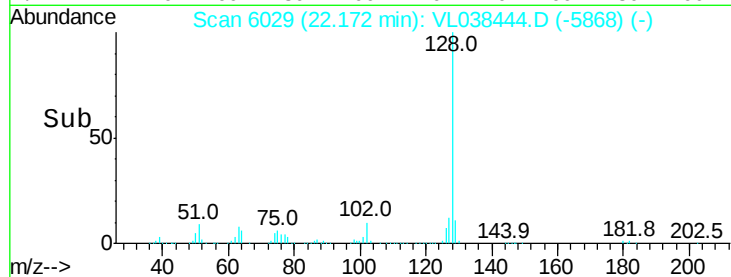
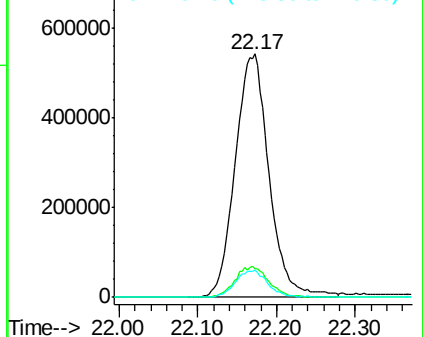


#79
Naphthalene
Concen: 10.37 ppbv
RT: 22.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 1 Mar 2022 9:19

Tgt Ion:128 Resp: 1634376
Ion Ratio Lower Upper
128 100
127 12.0 10.7 16.1
129 11.5 8.8 13.2

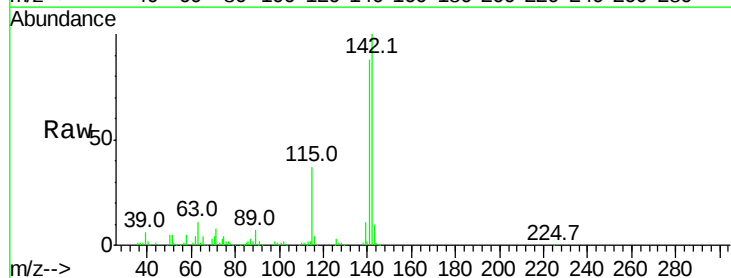


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

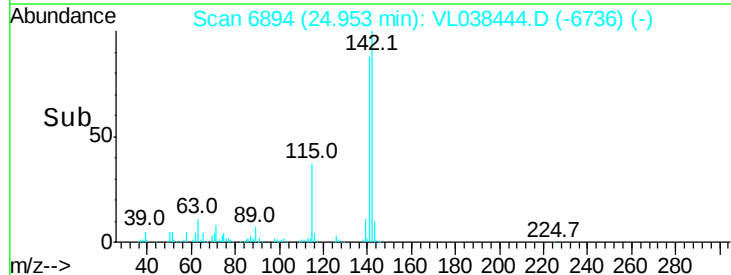
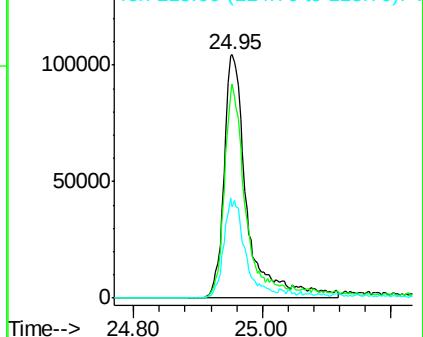


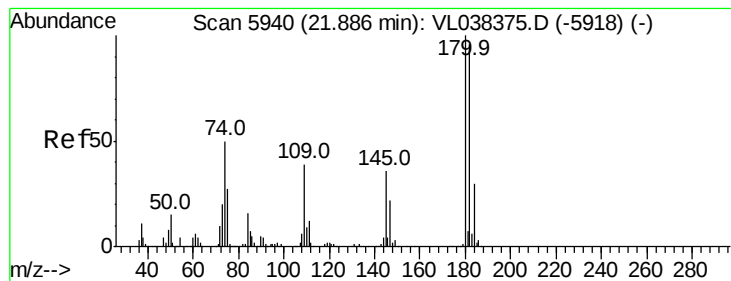
#80
Naphthalene, 2-methyl-
Concen: 8.49 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. 0.01 min
Lab File: VL038444.D
Acq: 1 Mar 2022 9:19

Tgt Ion:142 Resp: 261420
Ion Ratio Lower Upper
142 100
141 87.5 69.8 104.6
115 37.7 33.0 49.6



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





#81

1,2,4-Trichlorobenzene

Concen: 9.11 ppbv

RT: 21.90

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 1 Mar 2022 9.19

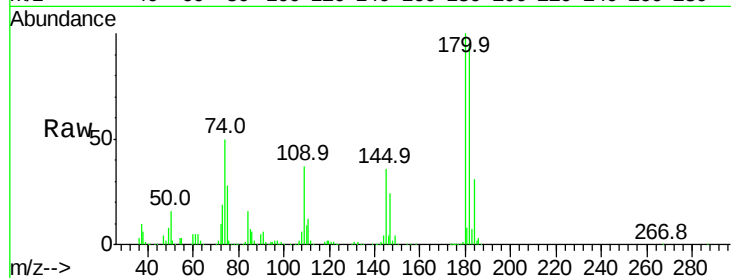
Tgt Ion:180 Resp: 868134

Ion Ratio Lower Upper

180 100

182 95.4 77.4 116.2

184 30.7 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

