

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
 Data File : VL038446.D
 Acq On : 1 Mar 2022 11:31
 Operator : SY/AP
 Sample : VL0301ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0301ABS01

Quant Time: Mar 02 03:02:45 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	5.66	49	885220	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2115505	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2412577	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1609587	8.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1319014	9.41	ppbv	96
3) Chlorodifluoromethane	2.99	51	1561527	9.99	ppbv	99
4) Chloromethane	3.14	50	546118	10.05	ppbv	99
5) Vinyl Chloride	3.26	62	563184	9.92	ppbv	98
6) Bromomethane	3.47	94	315532	10.54	ppbv	98
7) Chloroethane	3.56	64	196887	10.80	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1358450	10.42	ppbv	99
9) Propene	3.01	41	514654	9.97	ppbv	100
10) Heptane	8.11	43	1323386	10.53	ppbv	100
11) Trichlorofluoromethane	3.95	101	1396123	10.40	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1033547	10.50	ppbv	98
13) Ethanol	3.62	45	27336	5.31	ppbv	75
14) Bromoethene	3.74	108	411843	10.50	ppbv	99
15) Acetone	3.85	43	685737	9.11	ppbv	100
16) 1,3-Butadiene	3.33	39	530645	10.55	ppbv	97
17) tert-Butyl alcohol	4.28	59	865797	11.53	ppbv	99
18) 1,1-Dichloroethene	4.29	96	437717	10.13	ppbv	99
19) Isopropyl Alcohol	3.96	45	436219	10.01	ppbv #	99
20) Methylene Chloride	4.34	84	359465	9.64	ppbv	95
21) Allyl Chloride	4.41	41	645765	10.16	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	471089	10.81	ppbv	97
23) Vinyl Acetate	5.06	43	1030849	10.33	ppbv	99
24) 1,1-Dichloroethane	5.01	63	922956	10.29	ppbv	99
25) Ethyl Acetate	5.67	43	2068030	10.23	ppbv	100
26) Hexane	5.68	57	939722	10.26	ppbv	99
27) Carbon Disulfide	4.54	76	1111160	10.91	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	972207	10.42	ppbv	100
29) Chloroform	5.74	83	1541402	10.31	ppbv	99
30) Cyclohexane	7.12	84	774337	10.34	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	924526	10.42	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1539931	10.24	ppbv	99
34) 2-Butanone	5.24	43	710933	10.69	ppbv	98
35) Carbon Tetrachloride	7.01	117	1593984	10.72	ppbv	99
36) Benzene	6.88	78	1958473	10.52	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1155230	10.73	ppbv	100
38) Trichloroethene	7.82	130	698453	10.30	ppbv	95
39) 1,2-Dichloropropane	7.60	63	770992	10.39	ppbv	96
40) 1,4-Dioxane	7.83	88	145955	8.30	ppbv #	38
41) Tetrahydrofuran	6.04	42	486662	10.83	ppbv	98
42) Bromodichloromethane	7.78	83	1640879	10.56	ppbv	99
43) Methyl Methacrylate	8.00	69	723212	11.17	ppbv	99

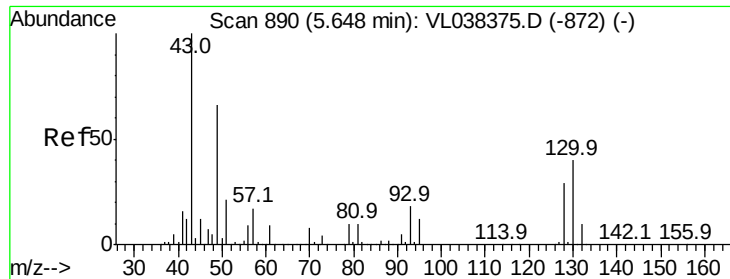
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
 Data File : VL038446.D
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Quant Time: Mar 02 03:02:45 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
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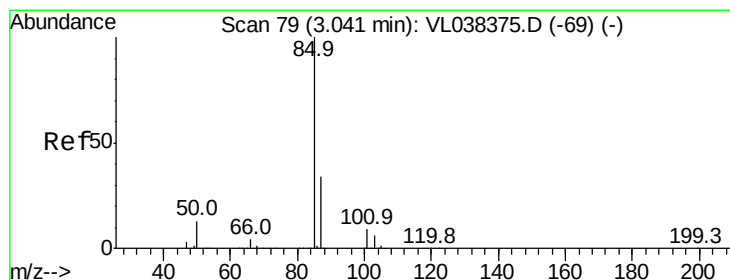
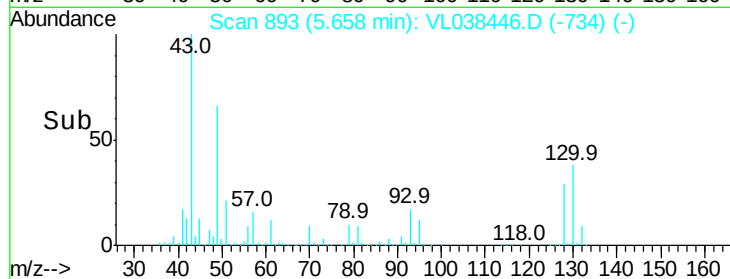
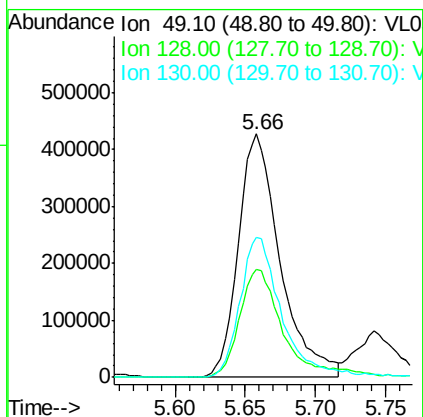
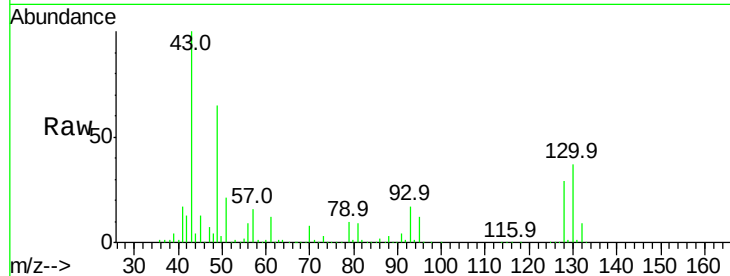
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3366897	10.52	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	585316	11.31	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	753957	11.12	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	755236	10.23	ppbv	97
48) Dibromochloromethane	10.29	129	1265621	10.49	ppbv	100
49) Bromoform	13.02	173	840367	9.43	ppbv	97
50) 4-Methyl-2-Pentanone	8.73	43	1333372	11.33	ppbv	100
51) 2-Hexanone	10.12	43	575532	10.93	ppbv #	98
52) Tetrachloroethene	11.20	164	589989	9.54	ppbv	97
53) Toluene	9.79	91	2127045	10.52	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1080538	10.40	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	819884	8.15	ppbv	97
57) Chlorobenzene	12.13	112	1455953	7.82	ppbv	98
58) Ethyl Benzene	12.69	91	2708344	8.21	ppbv	98
59) m/p-Xylene	12.98	91	2313449	8.17	ppbv #	35
60) o-Xylene	13.67	91	2134382	7.97	ppbv	99
61) Styrene	13.51	104	1027185	8.31	ppbv	98
62) Isopropylbenzene	14.65	105	2814294	7.83	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	1452337	6.67	ppbv	100
64) n-propylbenzene	15.55	120	668527	7.51	ppbv	87
65) tert-Butylbenzene	16.73	119	2270776	7.29	ppbv	99
66) Benzyl Chloride	16.97	91	99343	5.90	ppbv	96
67) sec-Butylbenzene	17.28	105	3180689	7.21	ppbv	99
69) p-Isopropyltoluene	17.63	119	2540633	7.33	ppbv	99
70) n-Butylbenzene	18.53	91	2681170	7.48	ppbv	100
71) 2-Chlorotoluene	15.43	91	2004995	7.25	ppbv	99
72) 4-Ethyltoluene	15.82	105	2205325	7.47	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	1963838	7.33	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	2067296	7.31	ppbv	92
75) 1,3-Dichlorobenzene	16.97	146	1104218	6.97	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1044537	6.68	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1042860	6.84	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	829111	7.13	ppbv	99
79) Naphthalene	22.17	128	1561635	10.19	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	229387	7.66	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	841876	9.08	ppbv	100

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



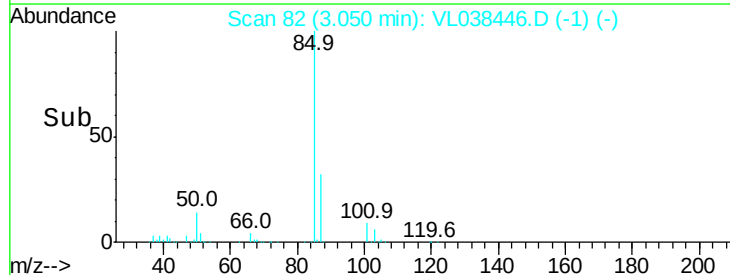
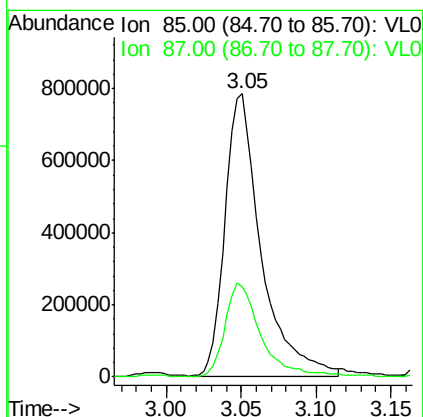
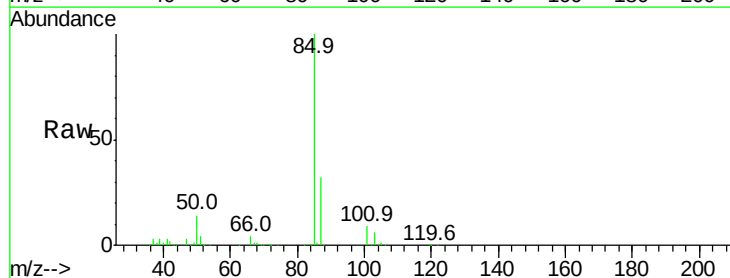
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0301ABS01
 Acq: 1 Mar 2022 11:31

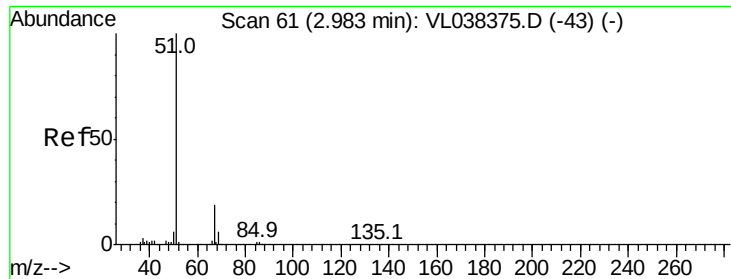
Tgt Ion: 49 Resp: 885220
 Ion Ratio Lower Upper
 49 100
 128 47.8 24.3 72.9
 130 58.6 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 9.41 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T.: 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

Tgt Ion: 85 Resp: 1319014
 Ion Ratio Lower Upper
 85 100
 87 31.8 27.4 41.0





#3

Chlorodifluoromethane

Concen: 9.99 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

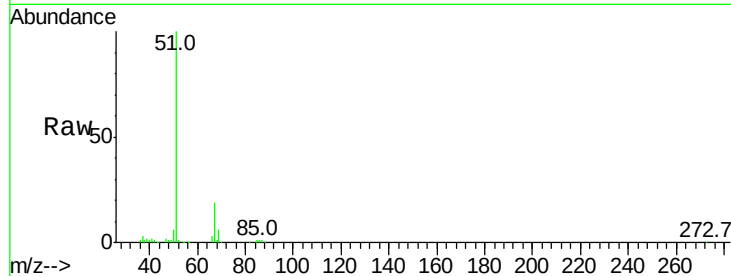
Acq: 1 Mar 2022 11:31 VL0301ABS01

Tgt Ion: 51 Resp: 1561527

Ion Ratio Lower Upper

51 100

67 18.8 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1000000

800000

600000

400000

200000

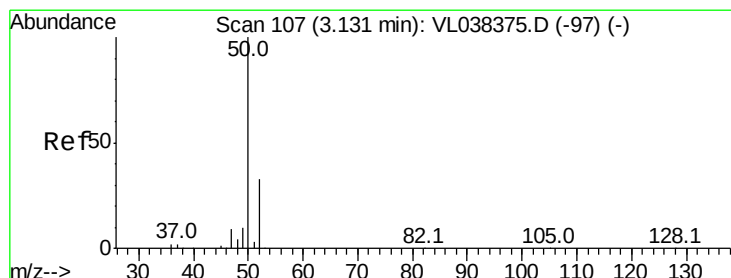
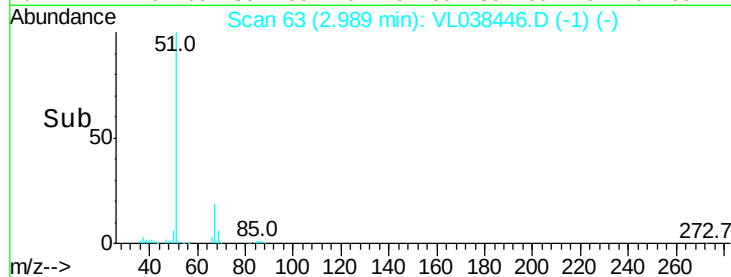
0

2.99

Time-->

2.90

3.10



#4

Chloromethane

Concen: 10.05 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL038446.D

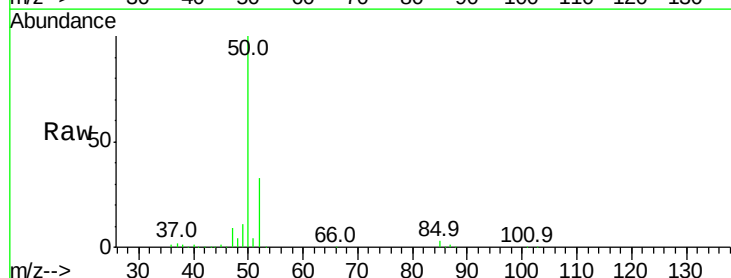
Acq: 1 Mar 2022 11:31

Tgt Ion: 50 Resp: 546118

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

300000

200000

100000

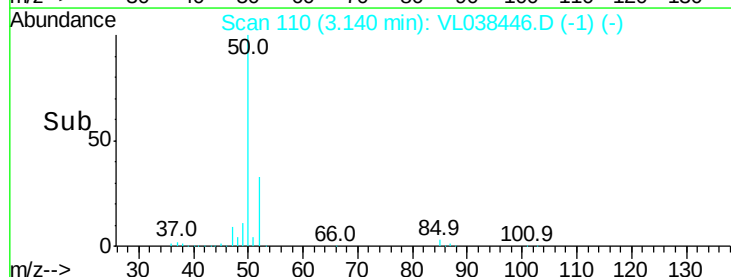
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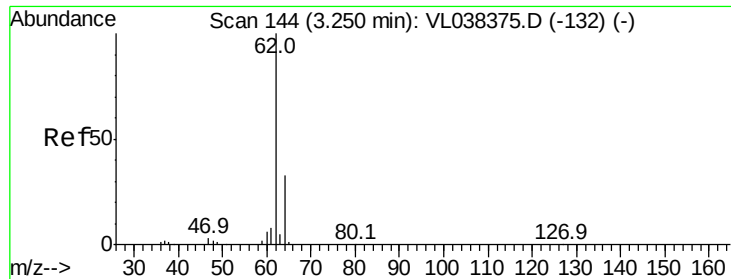
3.14

Time-->

3.10

3.15





#5

Vinyl Chloride

Concen: 9.92 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

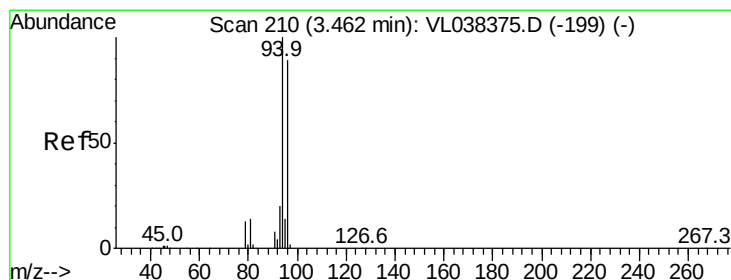
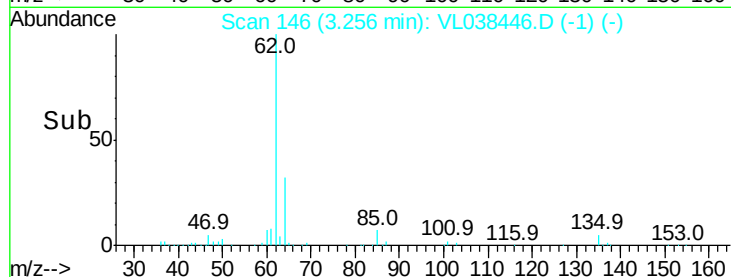
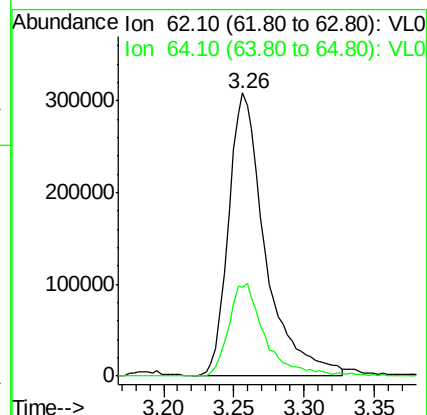
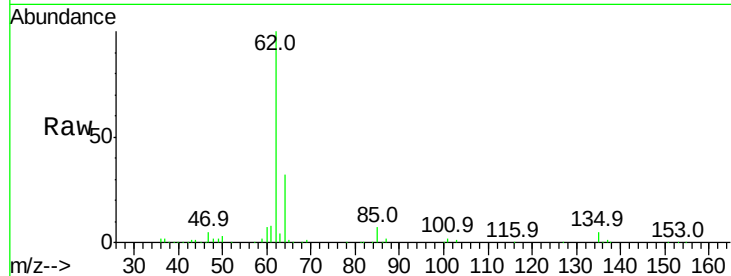
Acq: 1 Mar 2022 11:31 VL0301ABS01

Tgt Ion: 62 Resp: 563184

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2



#6

Bromomethane

Concen: 10.54 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL038446.D

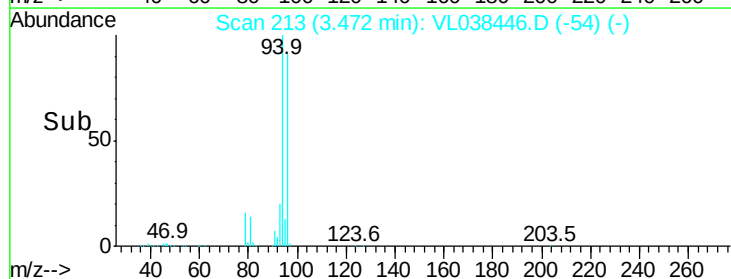
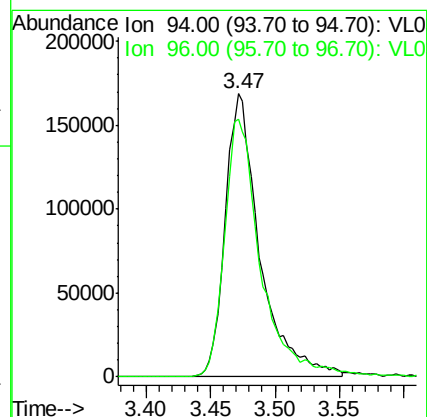
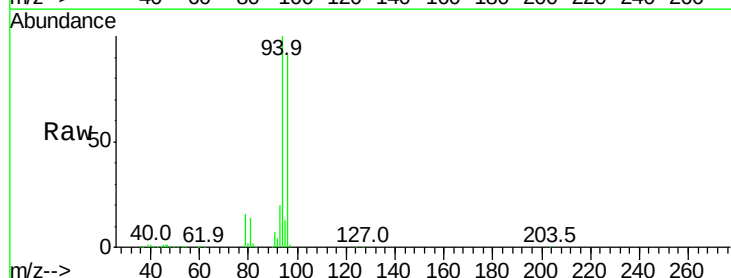
Acq: 1 Mar 2022 11:31

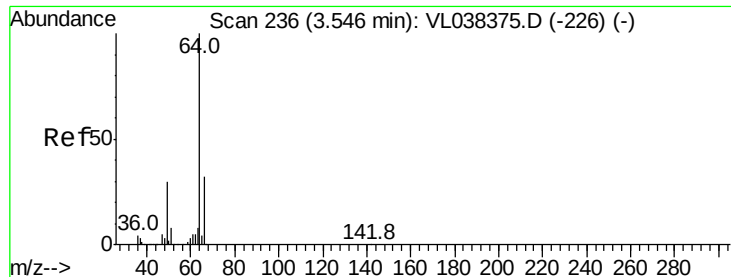
Tgt Ion: 94 Resp: 315532

Ion Ratio Lower Upper

94 100

96 91.1 71.0 106.6





#7

Chloroethane

Concen: 10.80 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

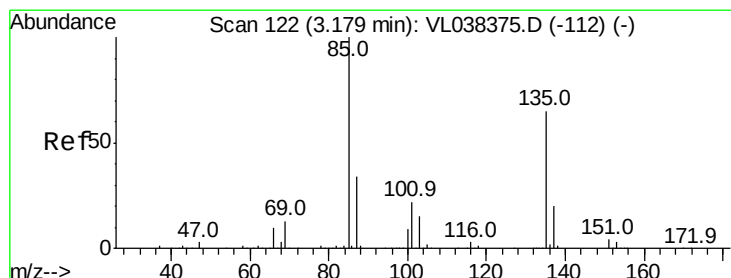
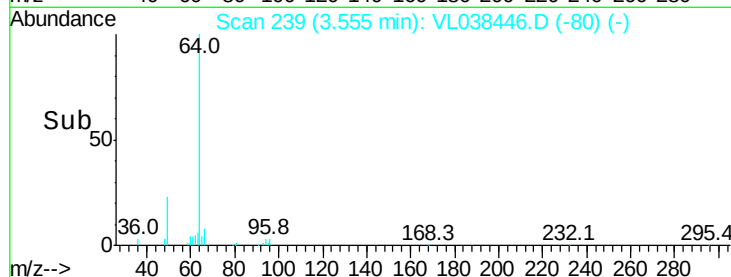
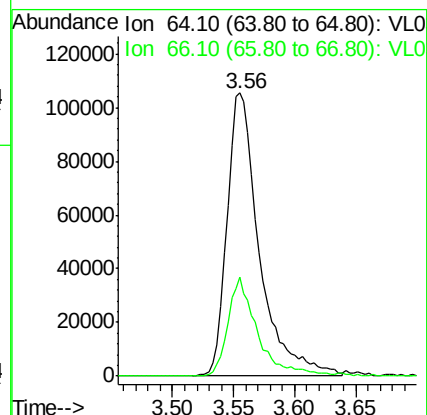
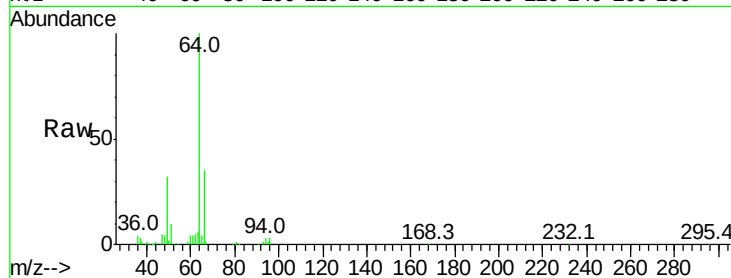
Acq: 1 Mar 2022 11:31

Tgt Ion: 64 Resp: 196887

Ion Ratio Lower Upper

64 100

66 35.1 25.9 38.9



#8

Dichlorotetrafluoroethane

Concen: 10.42 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL038446.D

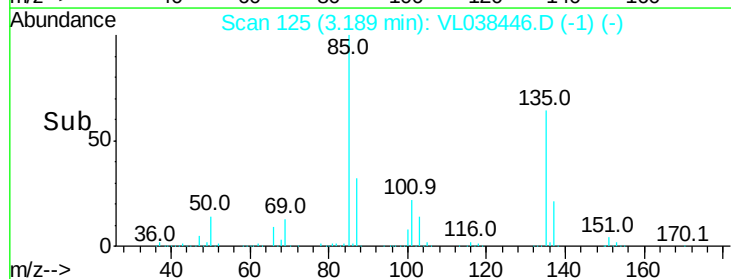
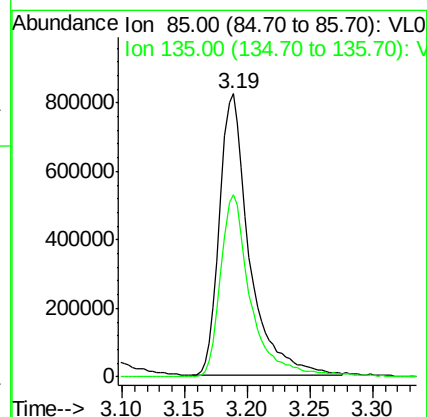
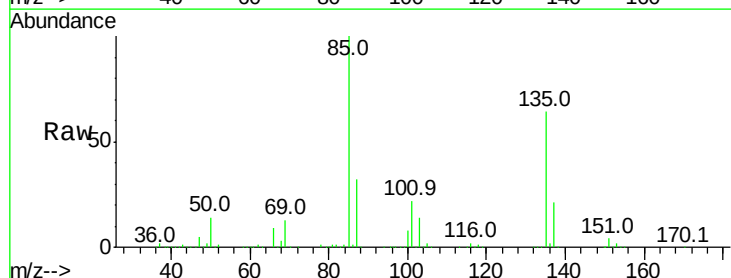
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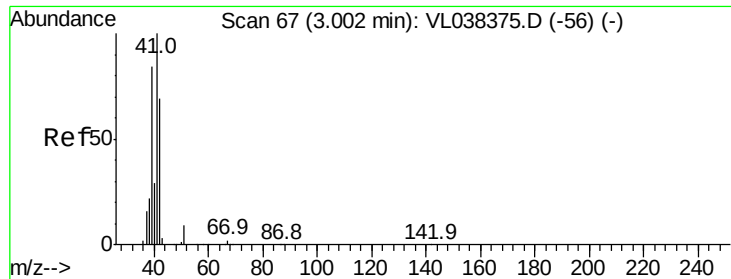
Tgt Ion: 85 Resp: 1358450

Ion Ratio Lower Upper

85 100

135 66.6 54.1 81.1





#9

Propene

Concen: 9.97 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: VL0301ABS01

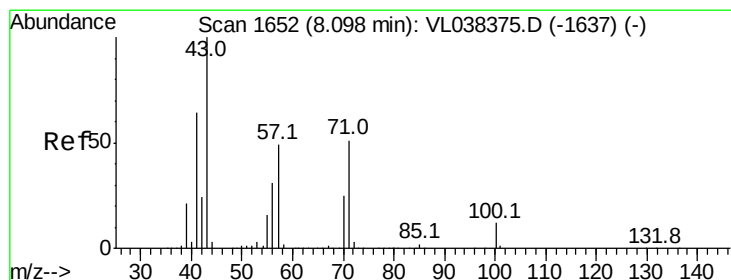
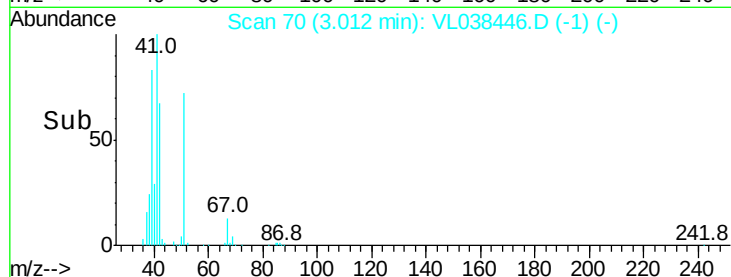
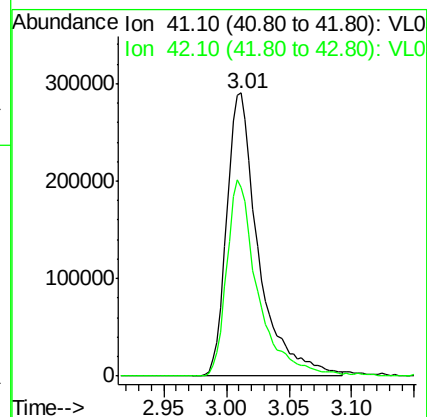
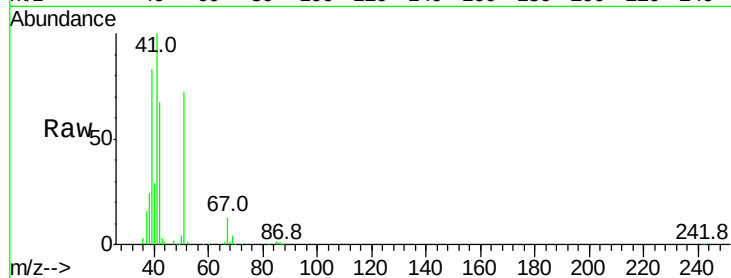
Acq: 1 Mar 2022 11:31

Tgt Ion: 41 Resp: 514654

Ion Ratio Lower Upper

41 100

42 68.5 54.6 82.0



#10

Heptane

Concen: 10.53 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL038446.D

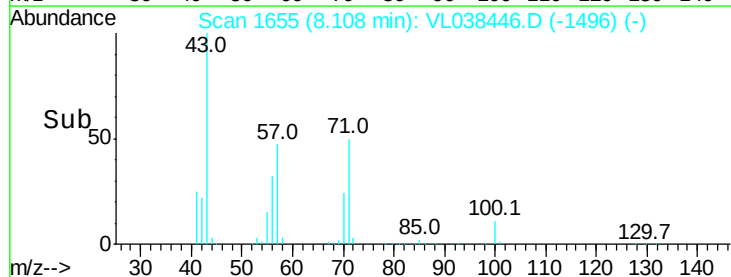
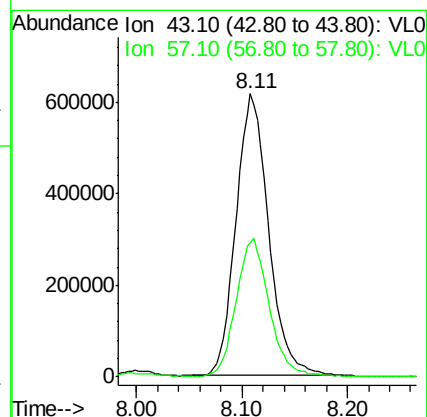
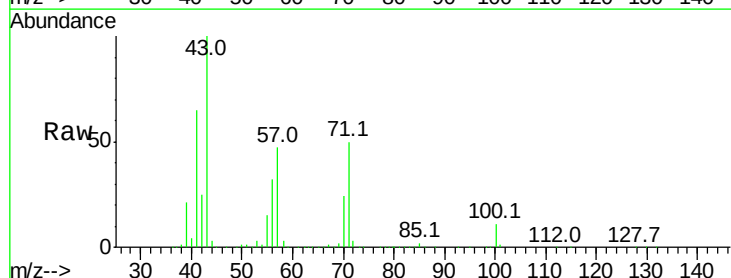
Acq: 1 Mar 2022 11:31

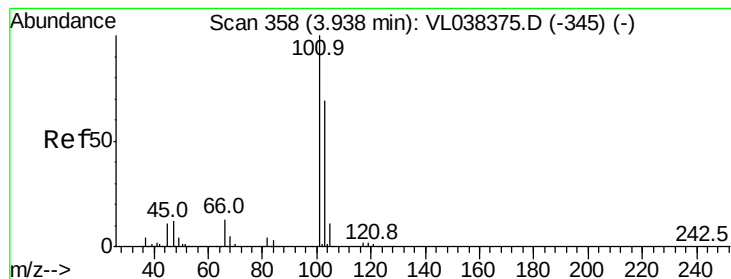
Tgt Ion: 43 Resp: 1323386

Ion Ratio Lower Upper

43 100

57 49.8 39.8 59.8





#11

Trichlorofluoromethane

Concen: 10.40 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

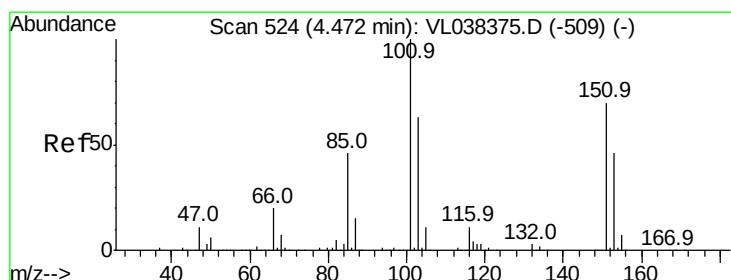
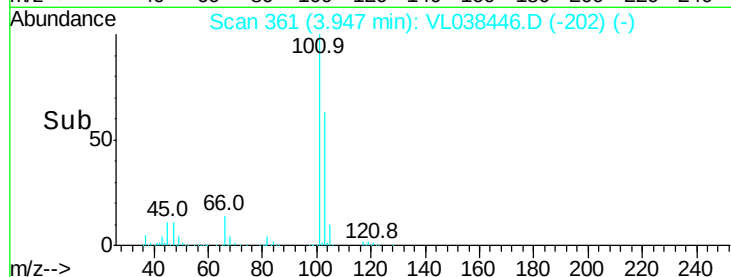
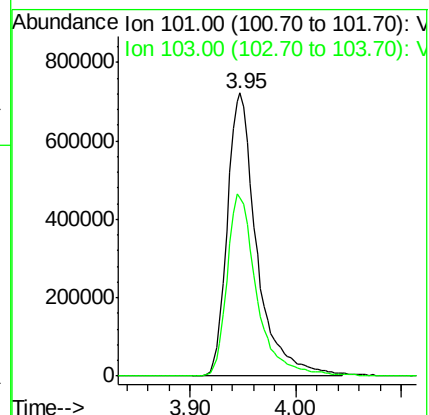
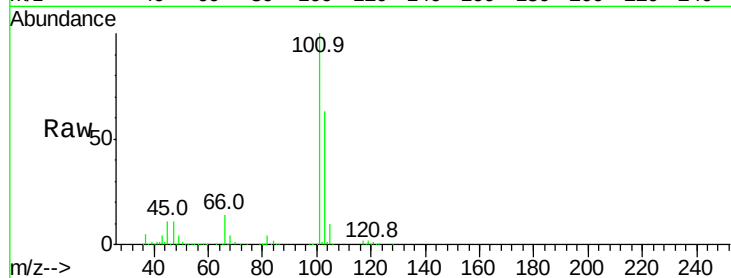
Acq: 1 Mar 2022 11:31 VL0301ABS01

Tgt Ion:101 Resp: 1396123

Ion Ratio Lower Upper

101 100

103 63.1 55.0 82.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.50 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.01 min

Lab File: VL038446.D

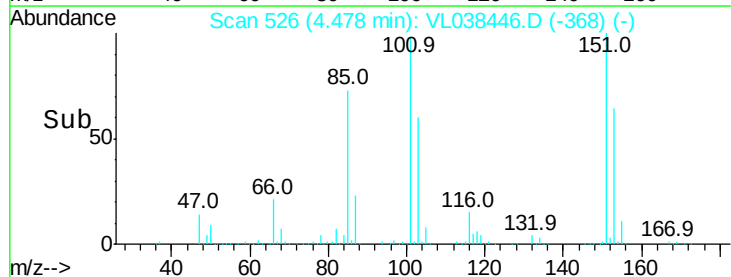
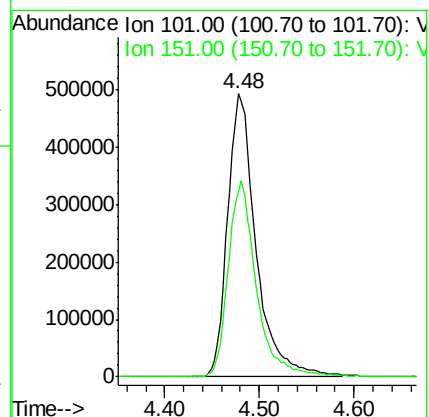
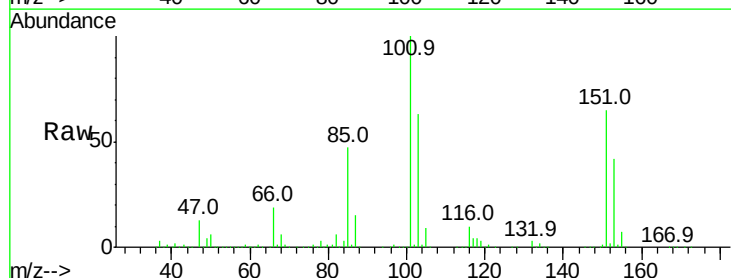
Acq: 1 Mar 2022 11:31

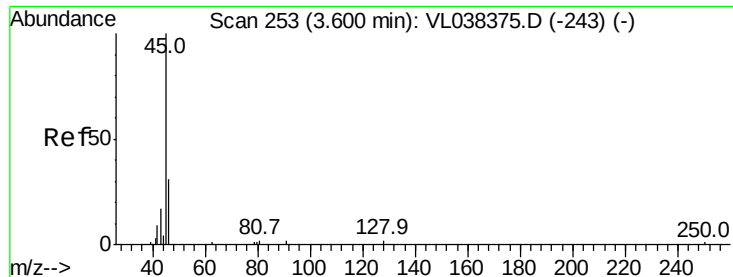
Tgt Ion:101 Resp: 1033547

Ion Ratio Lower Upper

101 100

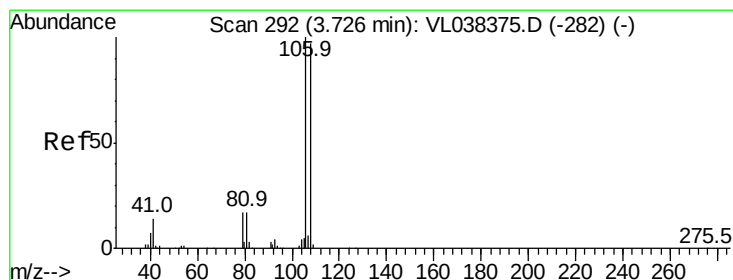
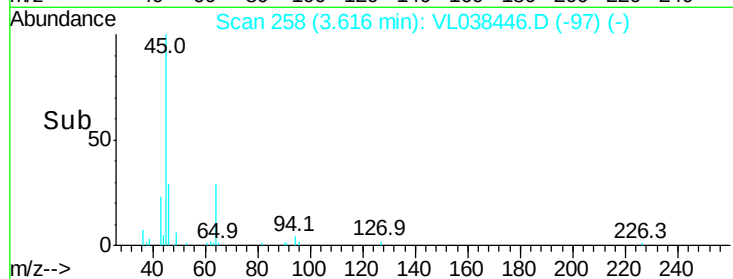
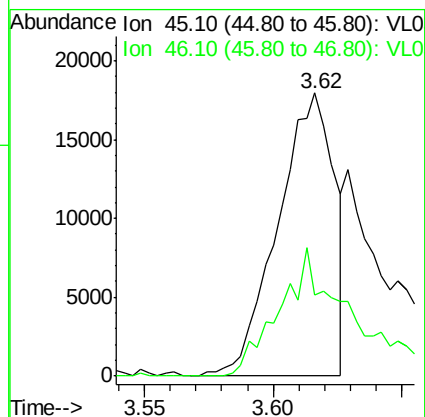
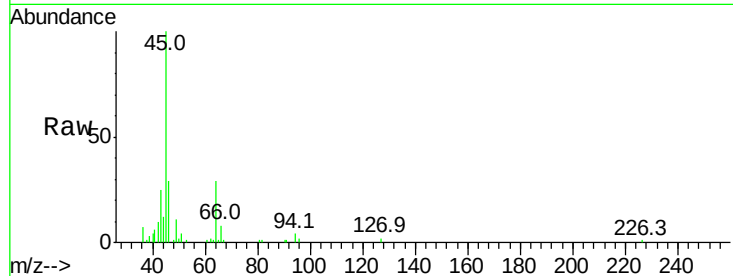
151 68.5 55.9 83.9





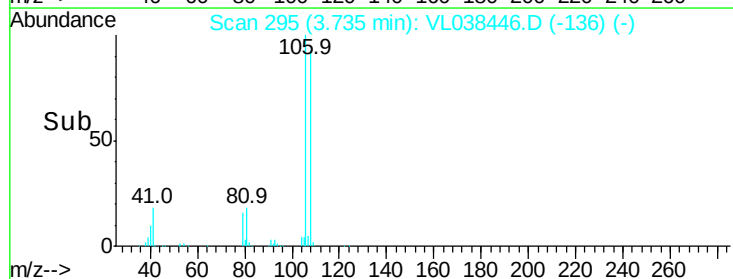
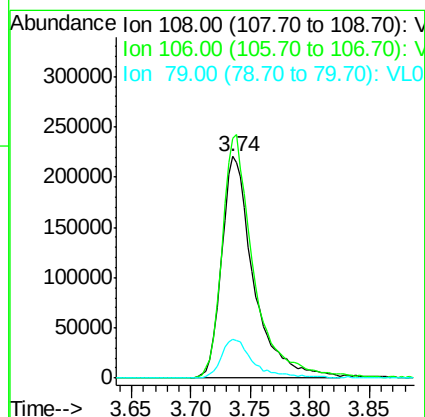
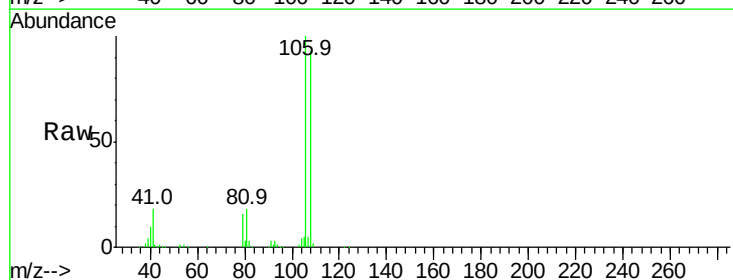
#13
 Ethanol
 Concen: 5.31 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0301ABS01
 Acq: 1 Mar 2022 11:31

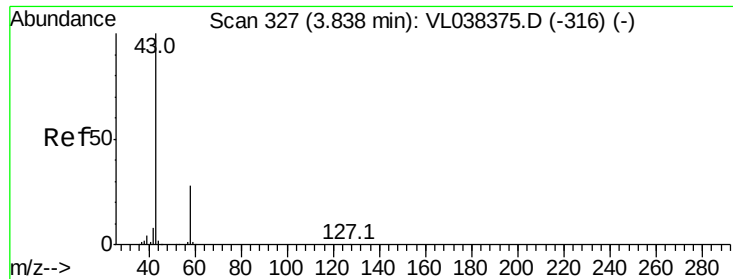
Tgt Ion: 45 Resp: 27336
 Ion Ratio Lower Upper
 45 100
 46 62.1 18.2 72.8



#14
 Bromoethene
 Concen: 10.50 ppbv
 RT: 3.74 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

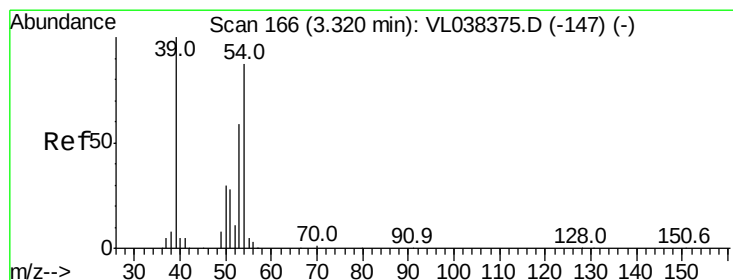
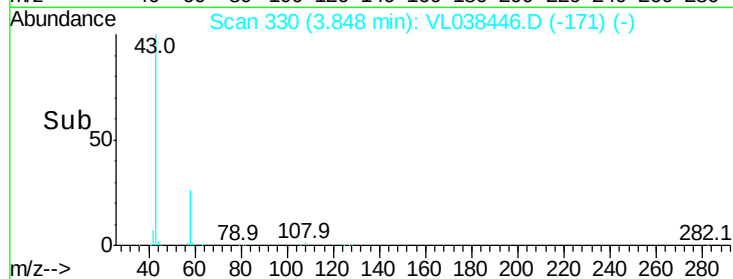
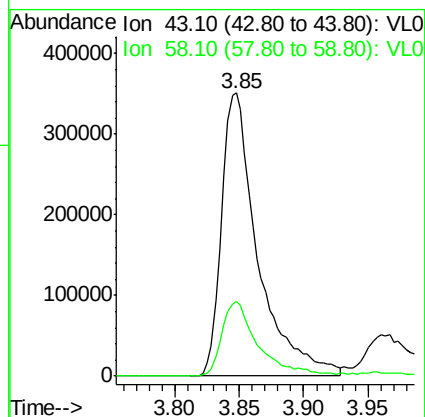
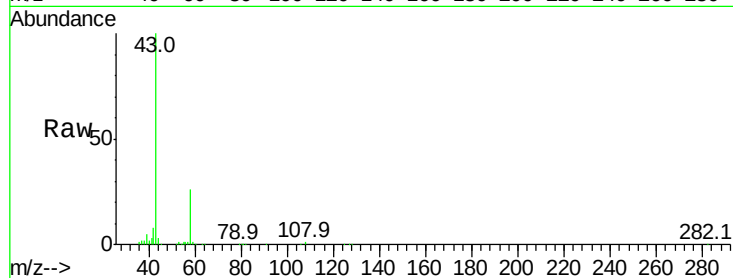
Tgt Ion: 108 Resp: 411843
 Ion Ratio Lower Upper
 108 100
 106 109.3 88.4 132.6
 79 17.7 15.0 22.6





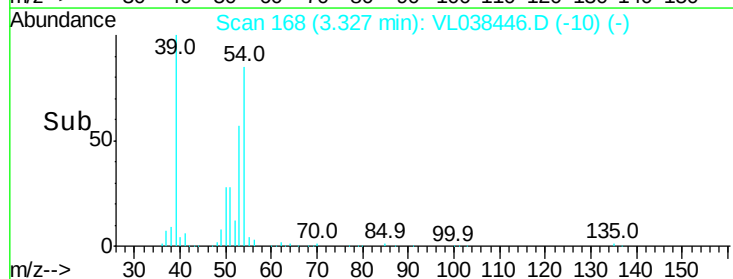
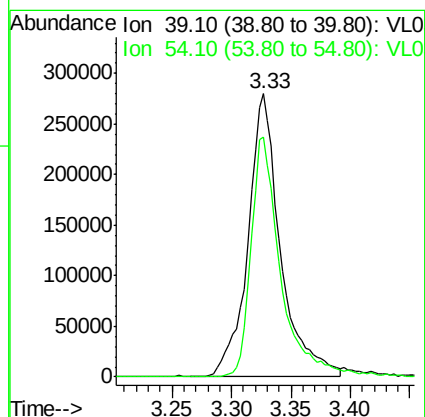
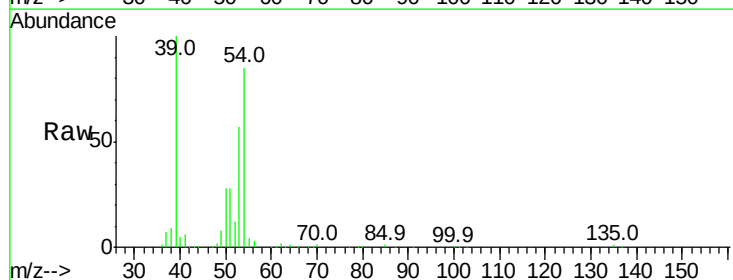
#15
Acetone
Concen: 9.11 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Mar 2022 11:31

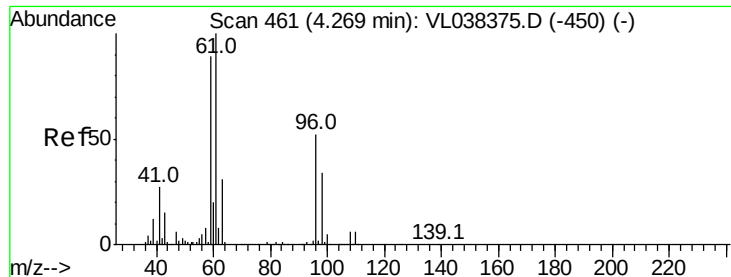
Tgt Ion: 43 Resp: 685737
Ion Ratio Lower Upper
43 100
58 26.8 21.7 32.5



#16
1,3-Butadiene
Concen: 10.55 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.01 min
Lab File: VL038446.D
Acq: 1 Mar 2022 11:31

Tgt Ion: 39 Resp: 530645
Ion Ratio Lower Upper
39 100
54 78.0 60.3 90.5





#17

tert-Butyl alcohol

Concen: 11.53 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

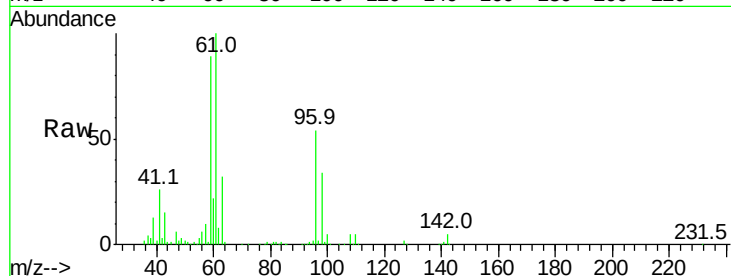
Acq: 1 Mar 2022 11:31 VL0301ABS01

Tgt Ion: 59 Resp: 865797

Ion Ratio Lower Upper

59 100

57 10.8 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

400000

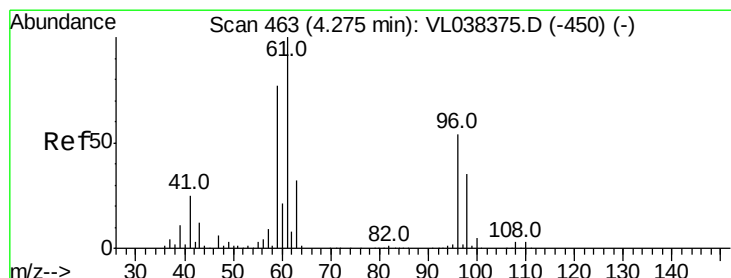
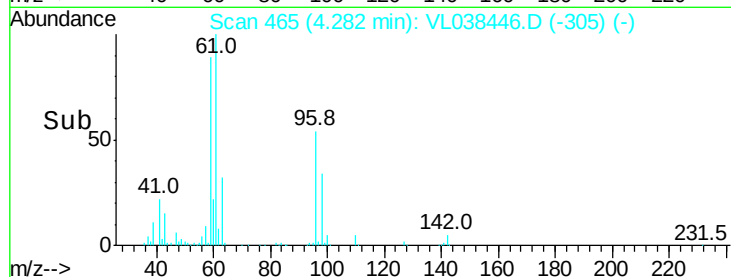
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.13 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL038446.D

Acq: 1 Mar 2022 11:31

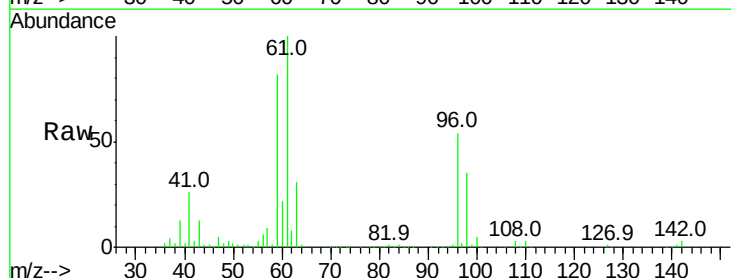
Tgt Ion: 96 Resp: 437717

Ion Ratio Lower Upper

96 100

61 184.2 146.8 220.2

98 65.0 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.29

600000

500000

400000

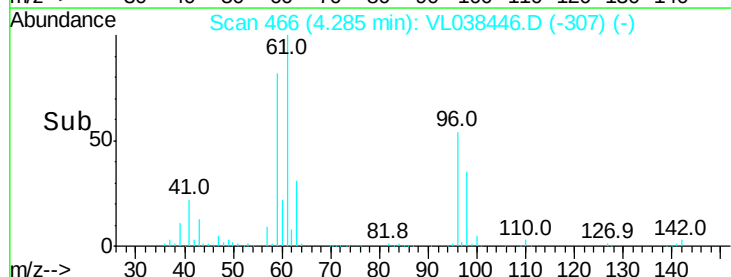
300000

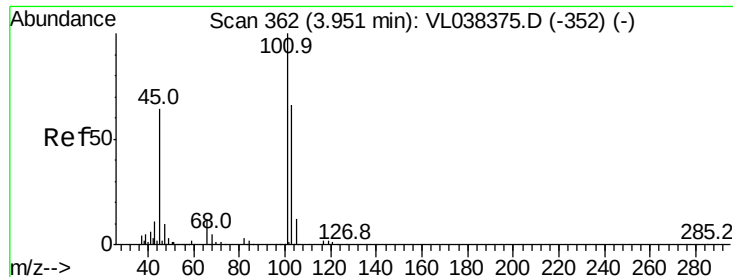
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.01 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

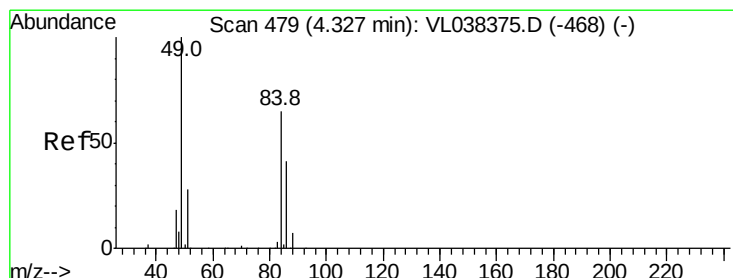
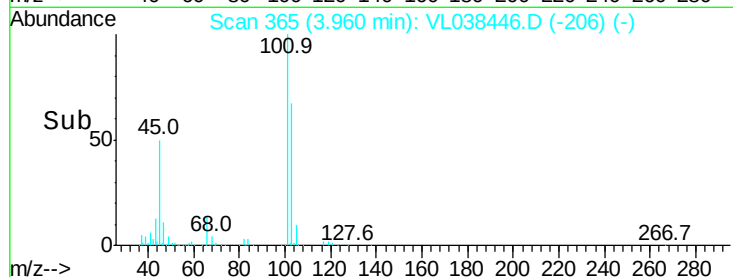
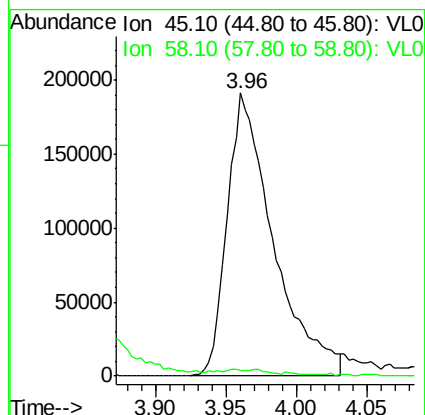
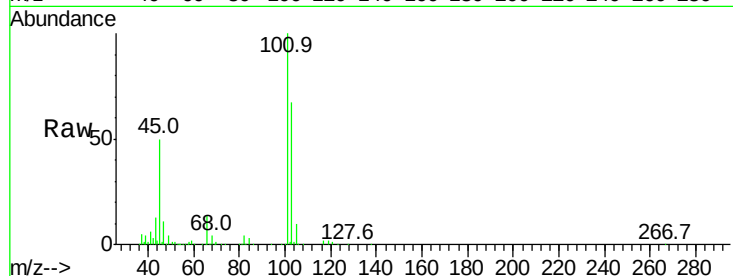
Acq: 1 Mar 2022 11:31 VL0301ABS01

Tgt Ion: 45 Resp: 436219

Ion Ratio Lower Upper

45 100

58 1.8 1.8 2.8#



#20

Methylene Chloride

Concen: 9.64 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL038446.D

Acq: 1 Mar 2022 11:31

Tgt Ion: 84 Resp: 359465

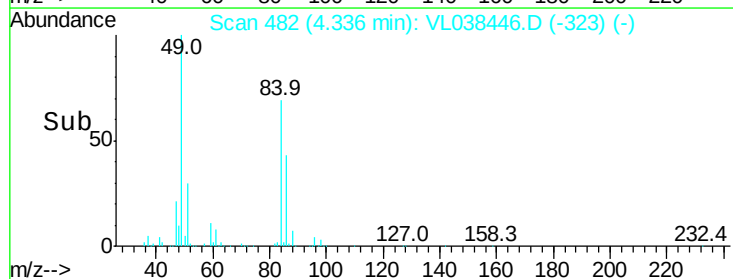
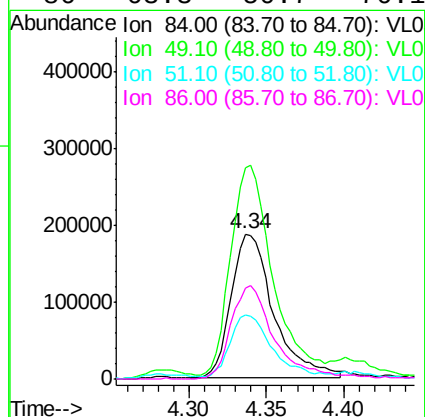
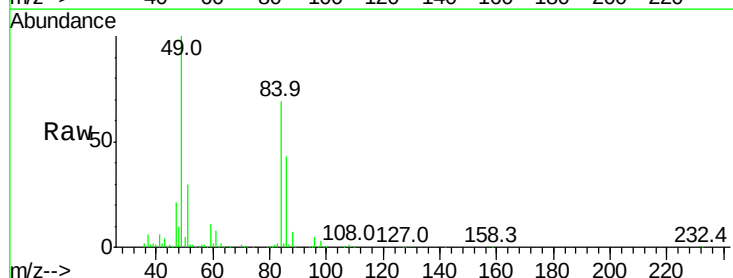
Ion Ratio Lower Upper

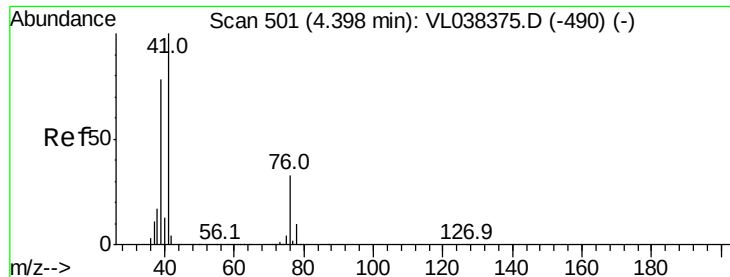
84 100

49 142.9 122.4 183.6

51 42.4 33.3 49.9

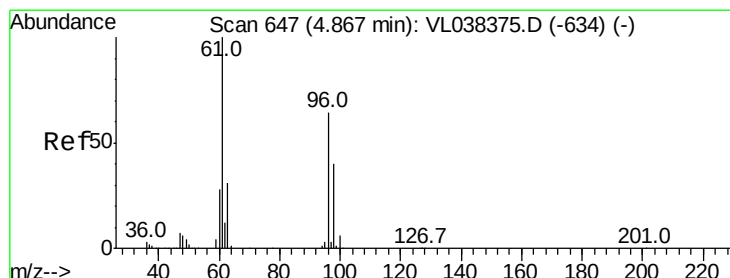
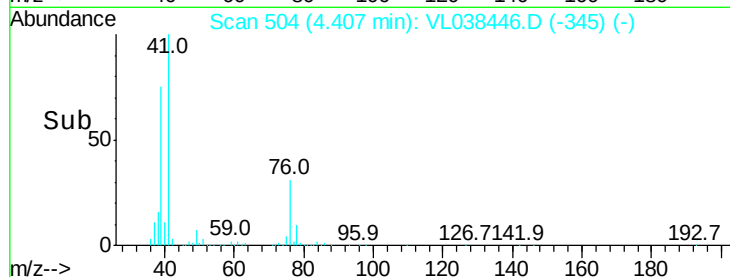
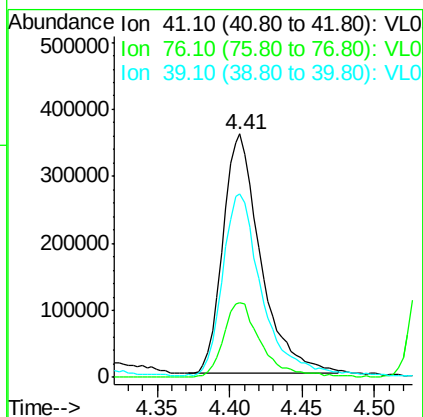
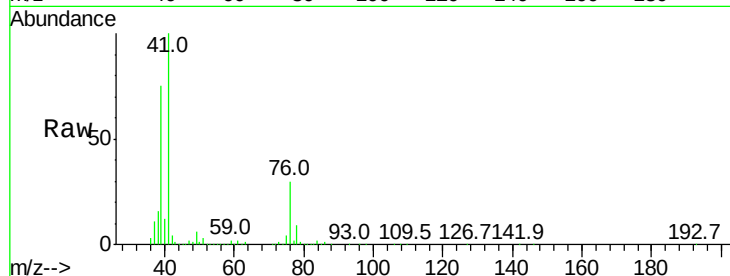
86 63.3 50.7 76.1





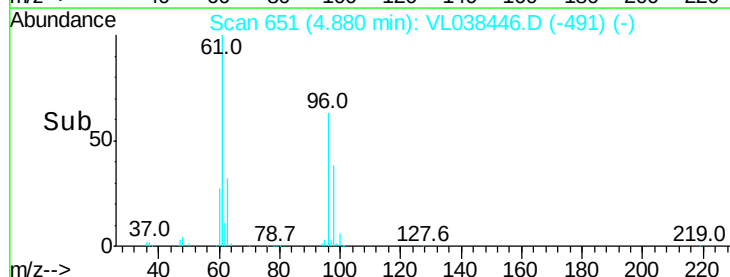
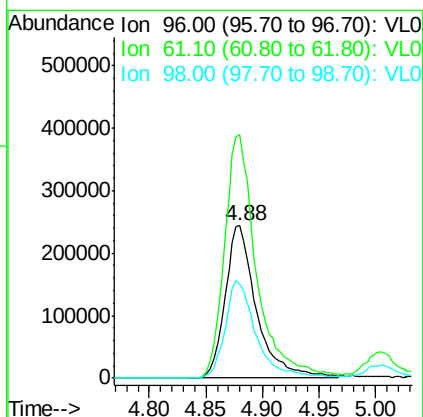
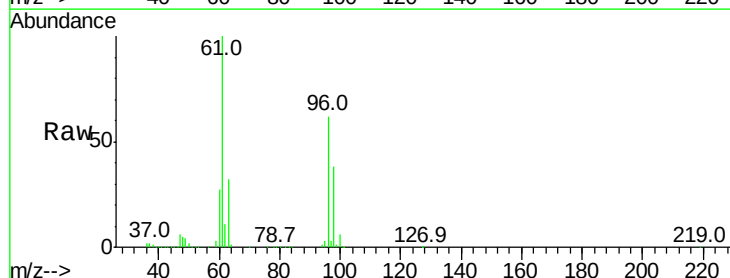
#21
 Allyl Chloride
 Concen: 10.16 ppbv
 RT: 4.41
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: VL0301ABS01
 Acq: 1 Mar 2022 11:31

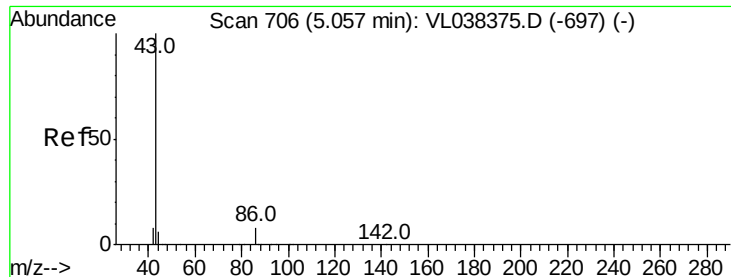
Tgt Ion: 41 Resp: 645765
 Ion Ratio Lower Upper
 41 100
 76 31.6 25.4 38.0
 39 80.6 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 10.81 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T.: 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

Tgt Ion: 96 Resp: 471089
 Ion Ratio Lower Upper
 96 100
 61 160.0 124.2 186.4
 98 61.3 49.1 73.7





#23

Vinyl Acetate

Concen: 10.33 ppbv

RT: 5.06 Instrument: MSVOA_1

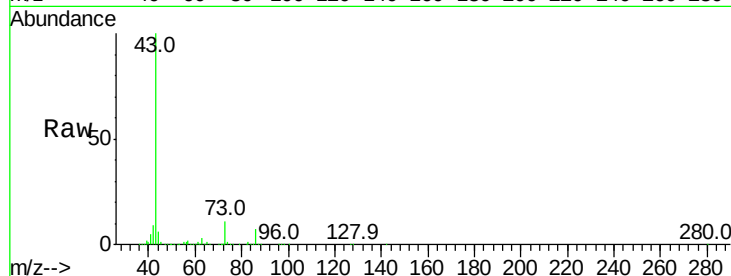
Delta R.T. 0.01 min

Lab File: ClientSampleId: VL0301ABS01

Acq: 1 Mar 2022 11:31

Tgt Ion: 43 Resp: 1030849

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.6
42	9.3	7.4	11.0
44	5.7	4.2	6.2

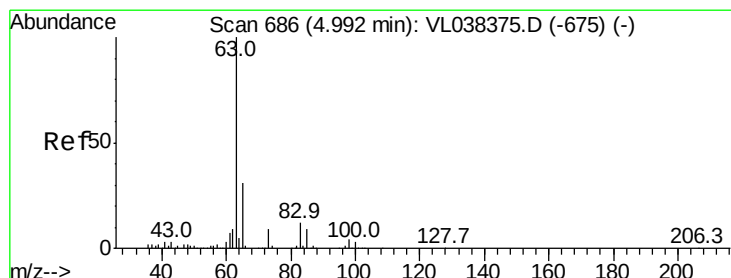
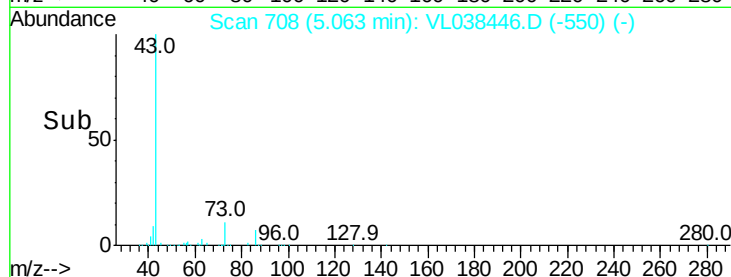
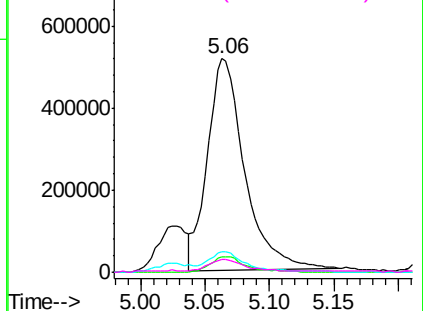


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.29 ppbv

RT: 5.01 min Scan# 690

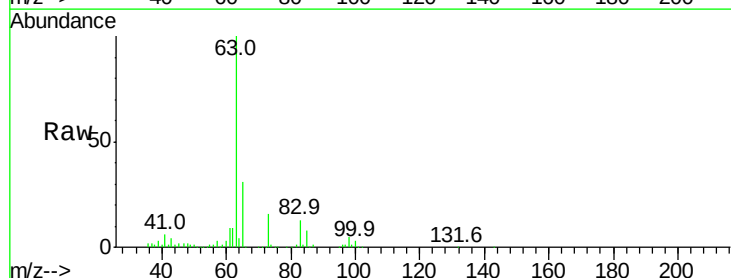
Delta R.T. 0.01 min

Lab File: VL038446.D

Acq: 1 Mar 2022 11:31

Tgt Ion: 63 Resp: 922956

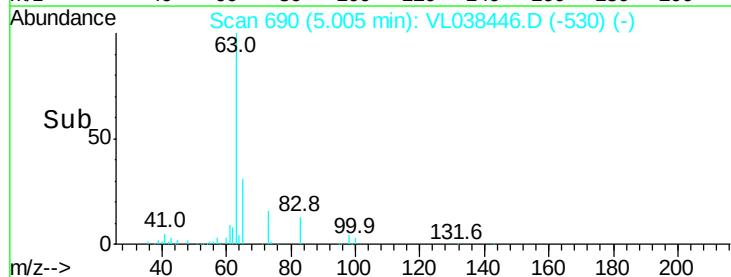
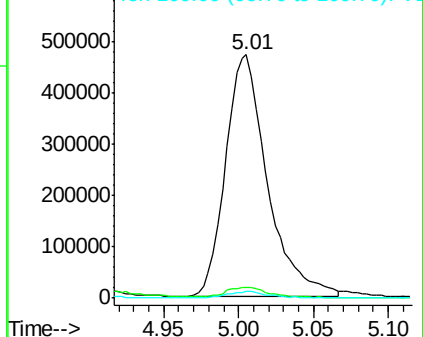
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.6	1.4	4.2

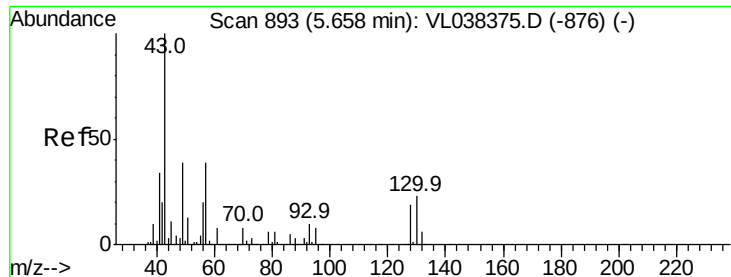


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

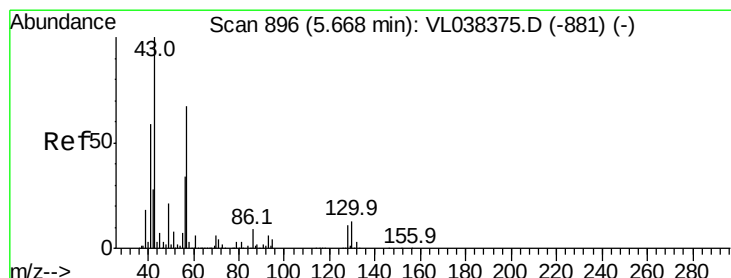
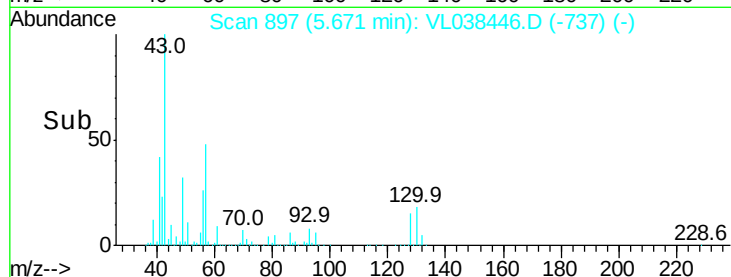
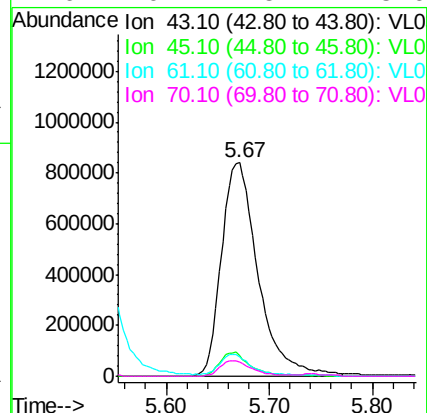
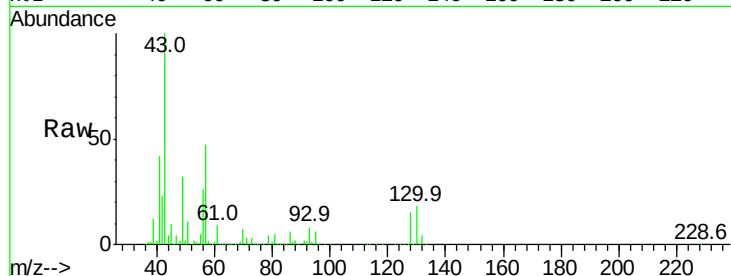




#25
Ethyl Acetate
Concen: 10.23 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0301ABS01
Acq: 1 Mar 2022 11:31

Tgt Ion: 43 Resp: 2068030

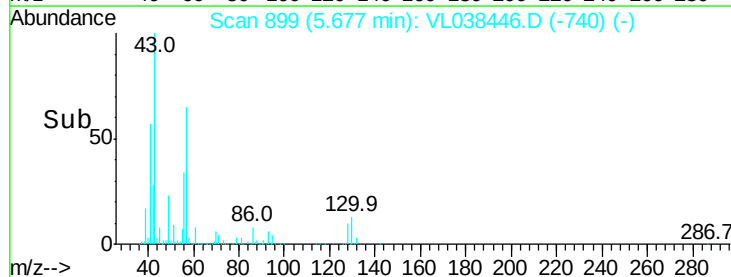
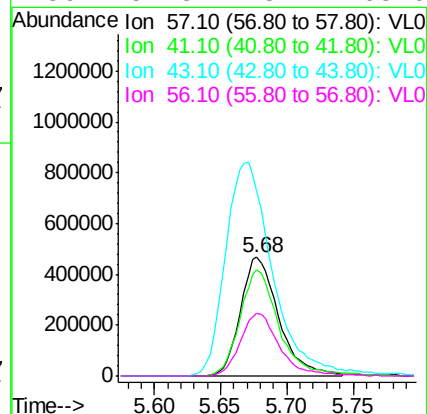
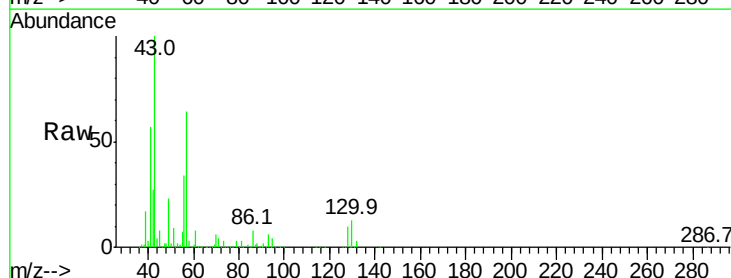
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.5	7.5	11.3
70	6.4	5.4	8.0

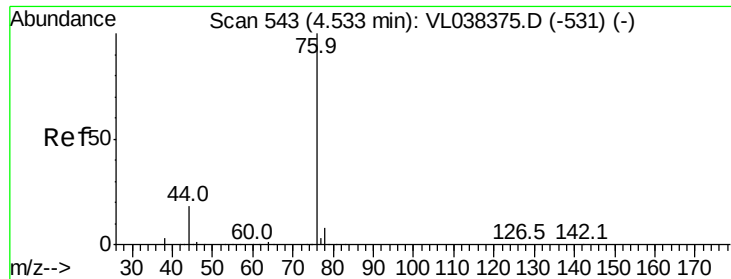


#26
Hexane
Concen: 10.26 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: 0.01 min
Lab File: VL038446.D
Acq: 1 Mar 2022 11:31

Tgt Ion: 57 Resp: 939722

Ion	Ratio	Lower	Upper
57	100		
41	92.5	73.1	109.7
43	223.3	181.0	271.4
56	54.3	43.4	65.0





#27

Carbon Disulfide

Concen: 10.91 ppbv

RT: 4.54 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: VL0301ABS01

Acq: 1 Mar 2022 11:31

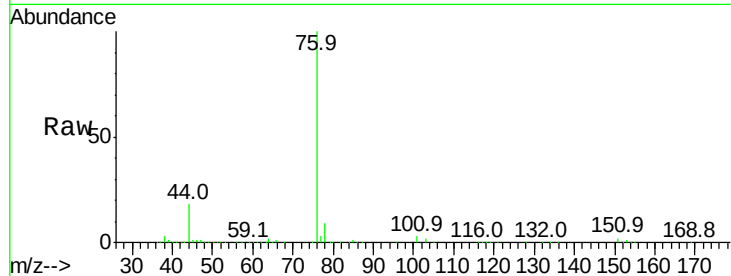
Tgt Ion: 76 Resp: 1111160

Ion Ratio Lower Upper

76 100

44 18.0 14.2 21.2

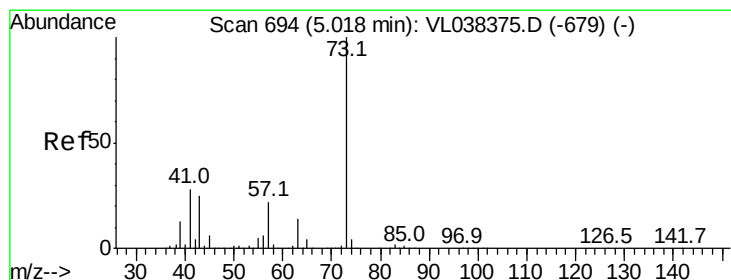
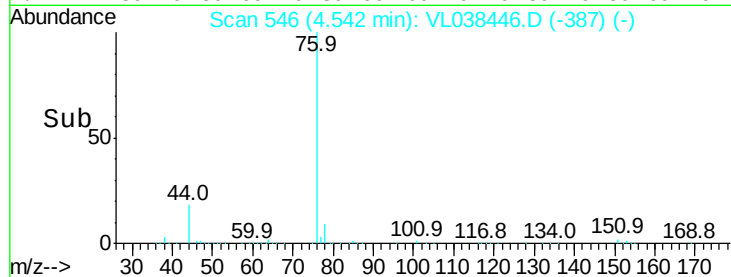
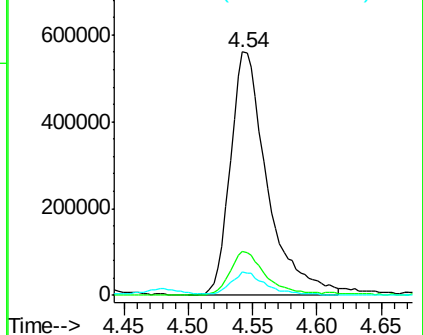
78 9.3 7.8 11.6



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: 10.42 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL038446.D

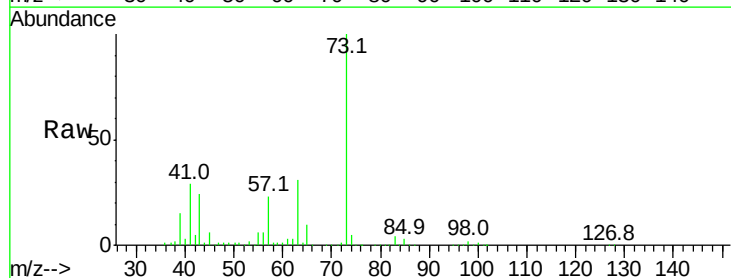
Acq: 1 Mar 2022 11:31

Tgt Ion: 73 Resp: 972207

Ion Ratio Lower Upper

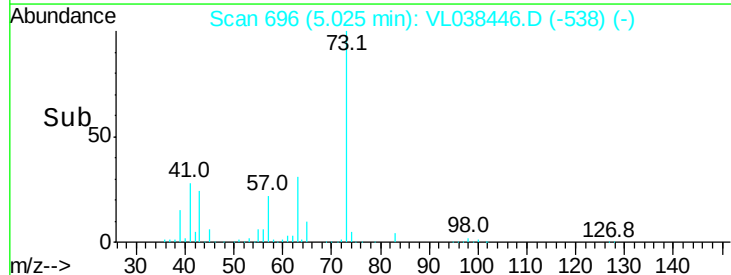
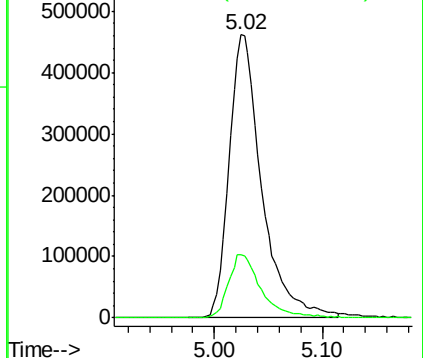
73 100

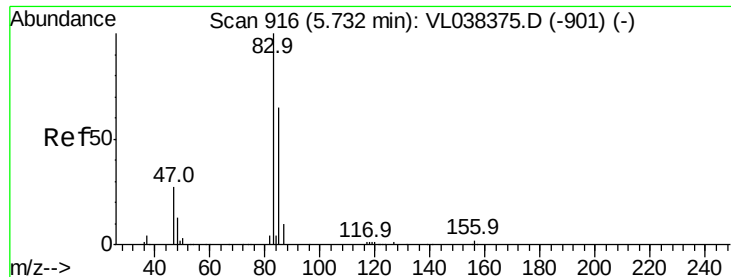
57 22.9 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

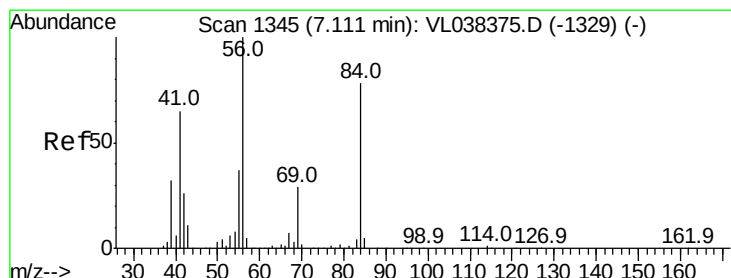
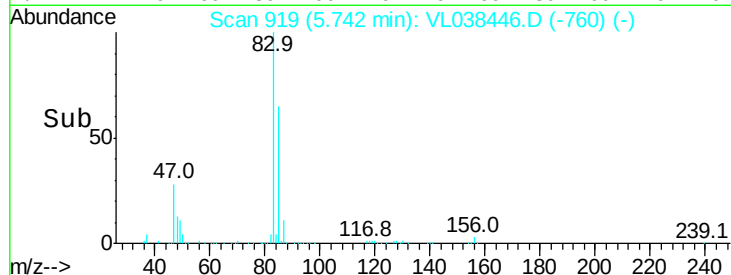
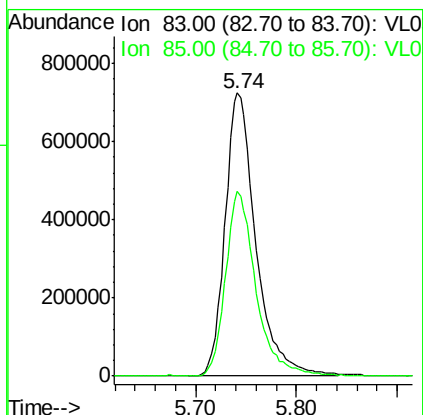
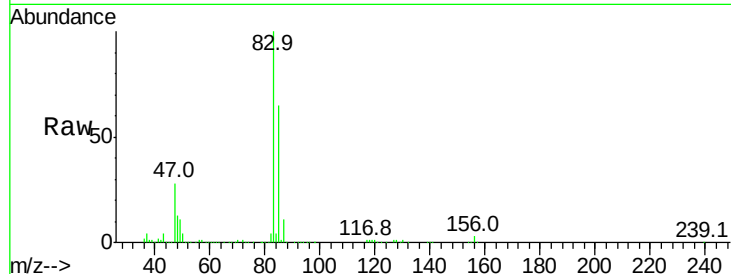
Ion 57.10 (56.80 to 57.80): VL0





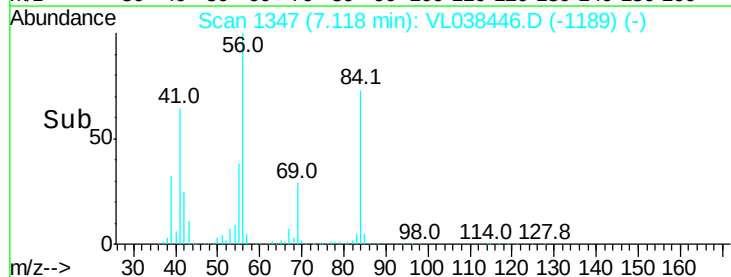
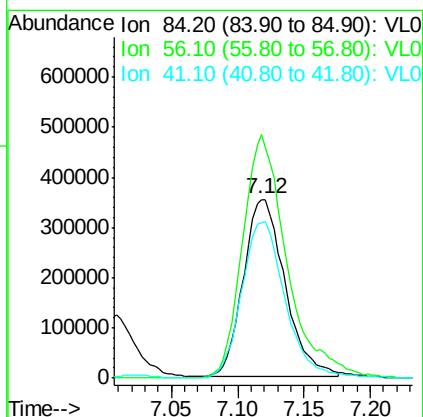
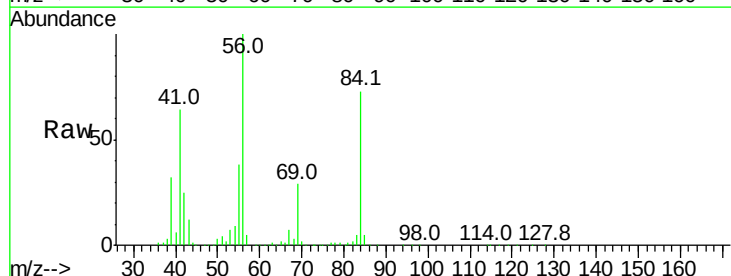
#29
Chloroform
Concen: 10.31 ppbv
RT: 5.74
Delta R.T.: MSVOA_L
Lab File: ClientSampleId : VL0301ABS01
Acq: 1 Mar 2022 11:31

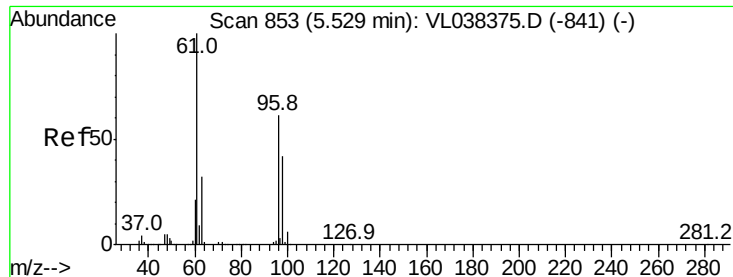
Tgt Ion: 83 Resp: 1541402
Ion Ratio Lower Upper
83 100
85 65.2 51.6 77.4



#30
Cyclohexane
Concen: 10.34 ppbv
RT: 7.12 min Scan# 1347
Delta R.T.: 0.01 min
Lab File: VL038446.D
Acq: 1 Mar 2022 11:31

Tgt Ion: 84 Resp: 774337
Ion Ratio Lower Upper
84 100
56 146.7 116.2 174.4
41 92.1 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 10.42 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0301ABS01

Acq: 1 Mar 2022 11:31

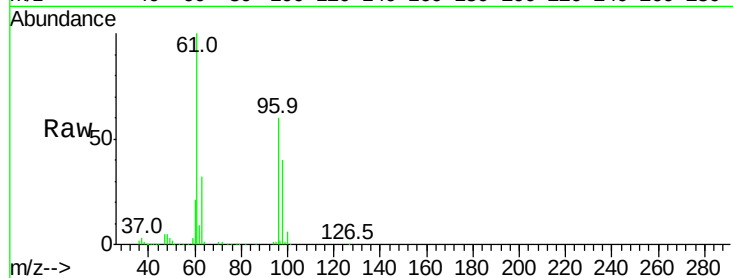
Tgt Ion: 61 Resp: 924526

Ion Ratio Lower Upper

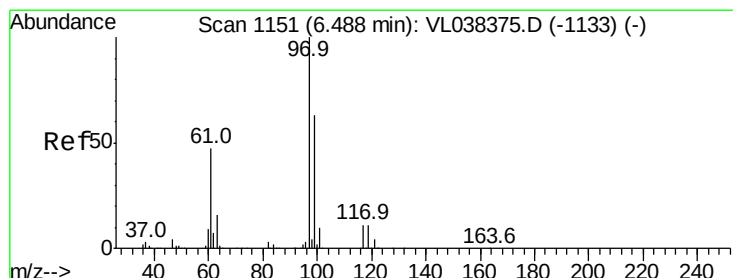
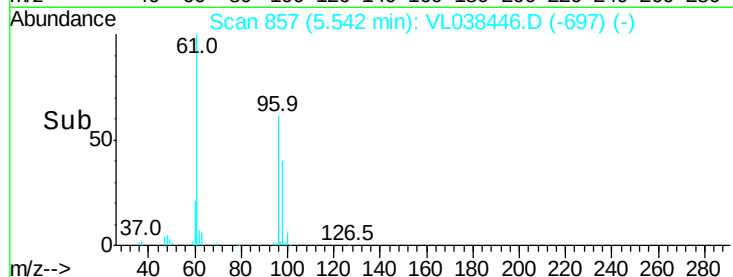
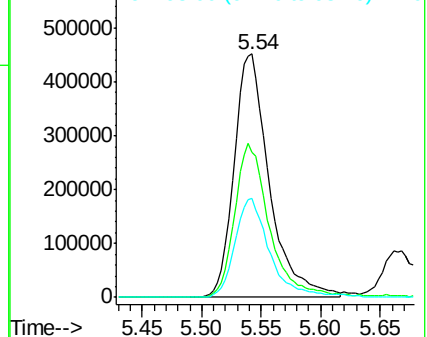
61 100

96 59.6 48.6 73.0

98 40.5 33.2 49.8



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: 10.24 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VL038446.D

Acq: 1 Mar 2022 11:31

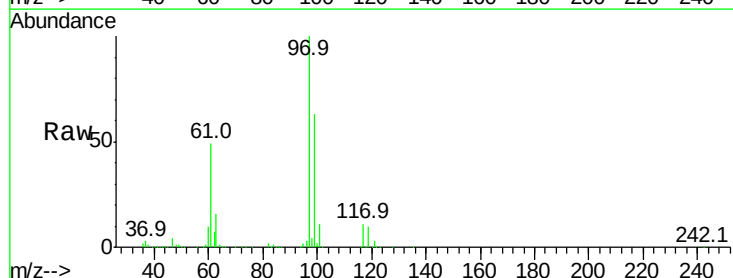
Tgt Ion: 97 Resp: 1539931

Ion Ratio Lower Upper

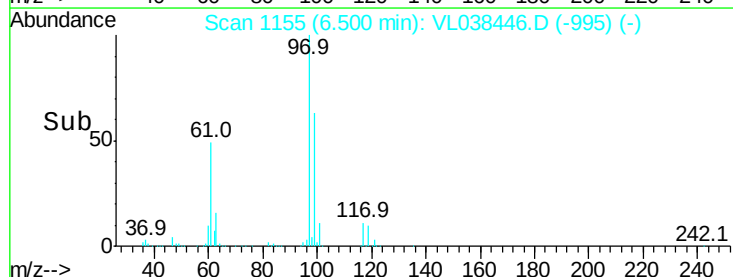
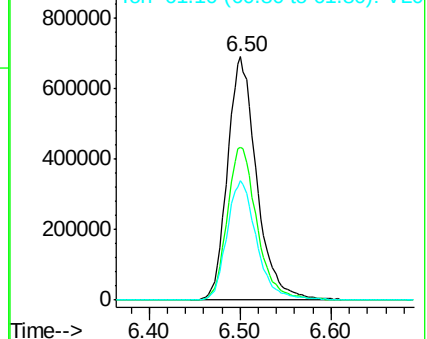
97 100

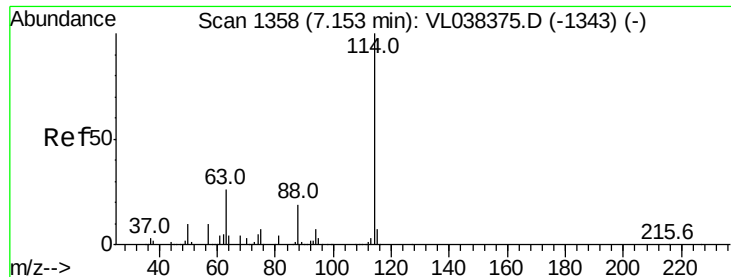
99 64.2 51.9 77.9

61 50.1 40.5 60.7



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

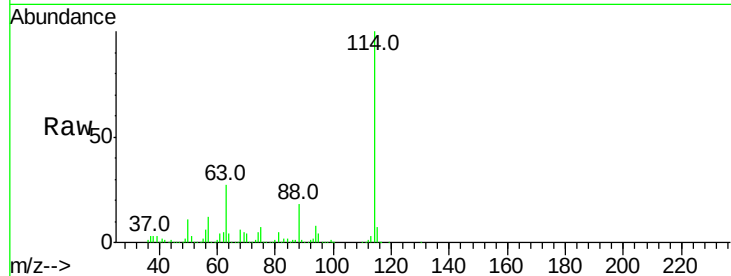




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0301ABS01
 Acq: 1 Mar 2022 11:31

Tgt Ion: 114 Resp: 2115505

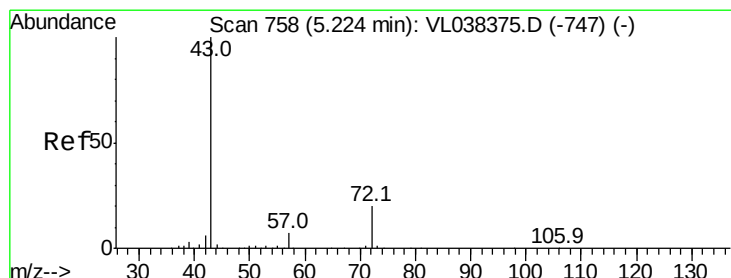
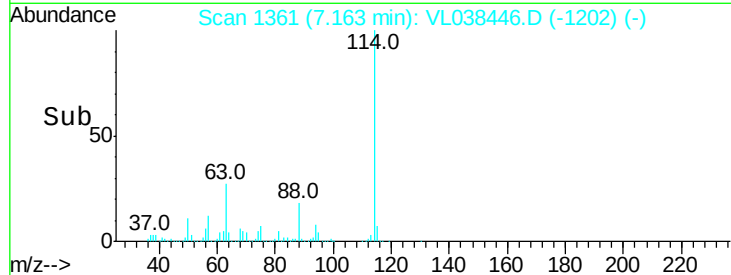
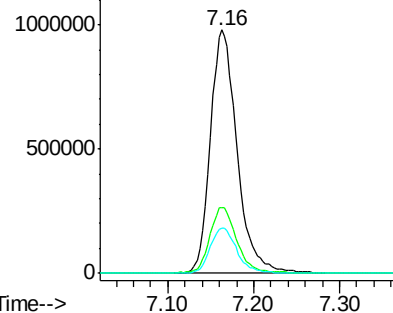
Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.2	33.2
88	18.8	15.2	22.8



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

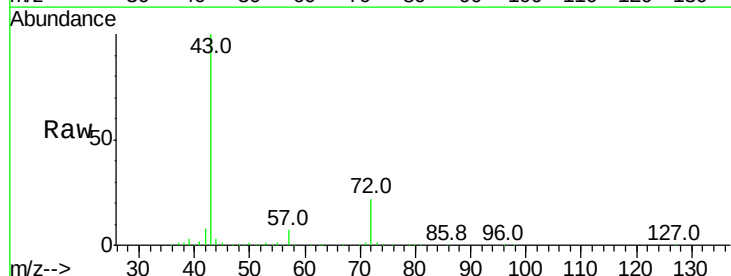
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 10.69 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

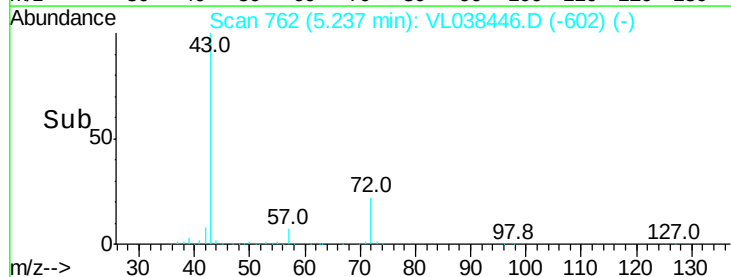
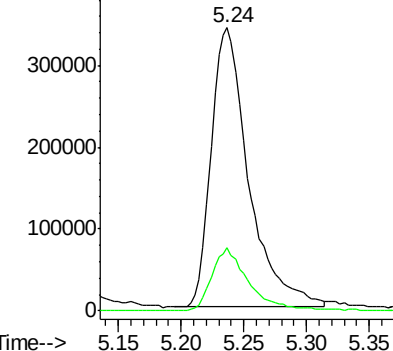
Tgt Ion: 43 Resp: 710933

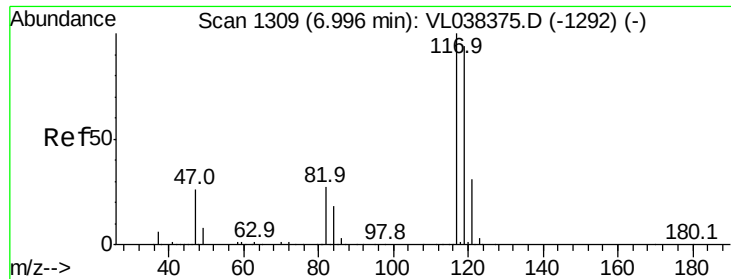
Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.4	26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

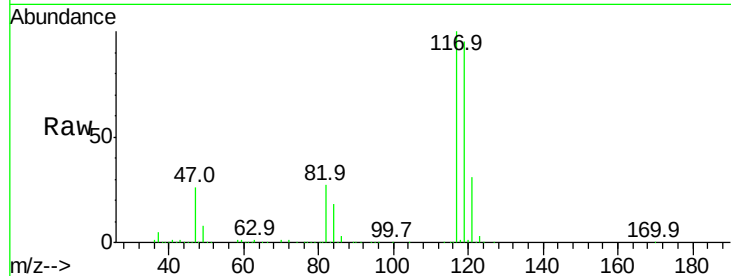
Ion 72.10 (71.80 to 72.80): VL0



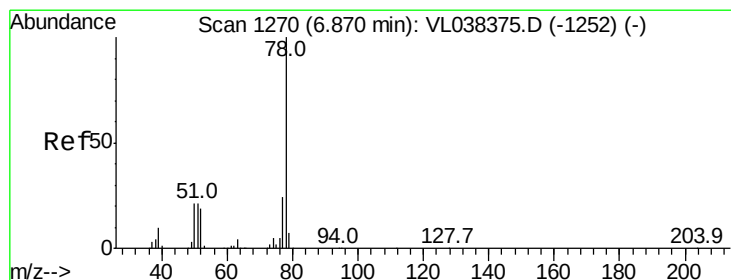
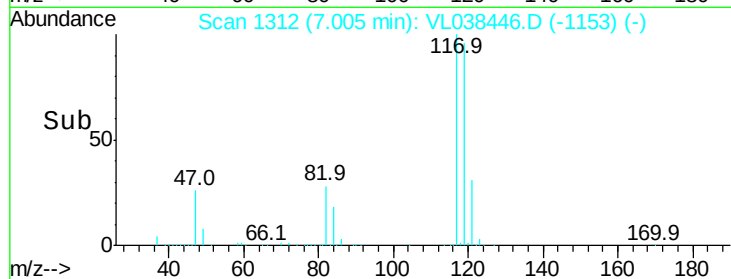
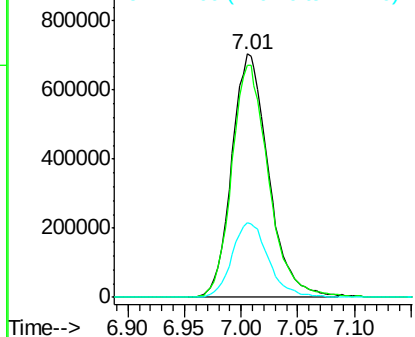


#35
Carbon Tetrachloride
Concen: 10.72 ppbv
RT: 7.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0301ABS01
Acq: 1 Mar 2022 11:31

Tgt Ion: 117 Resp: 1593984
Ion Ratio Lower Upper
117 100
119 95.3 74.9 112.3
121 30.8 24.8 37.2

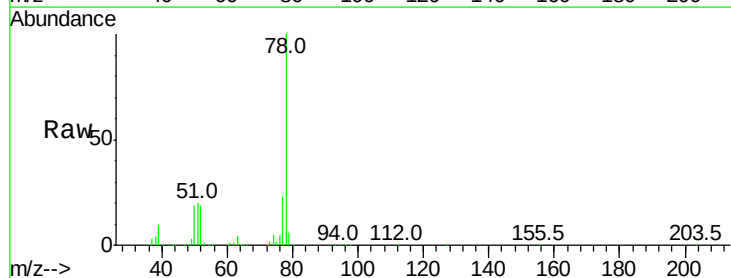


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

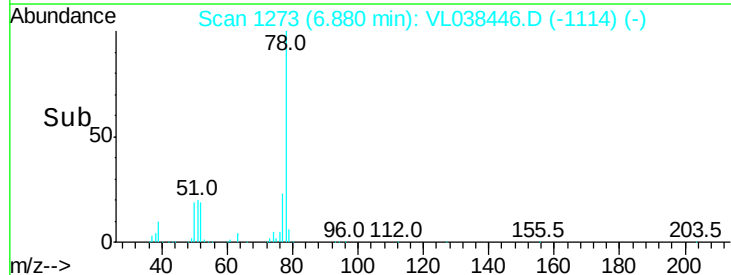
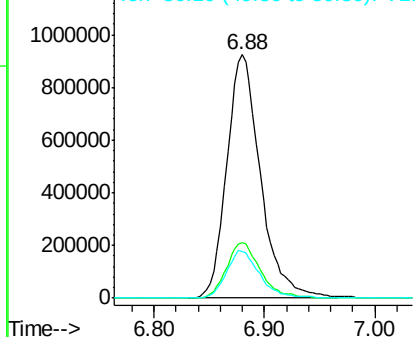


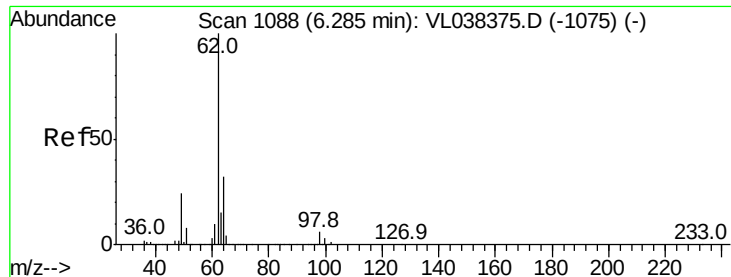
#36
Benzene
Concen: 10.52 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VL038446.D
Acq: 1 Mar 2022 11:31

Tgt Ion: 78 Resp: 1958473
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6
50 19.1 16.6 24.8



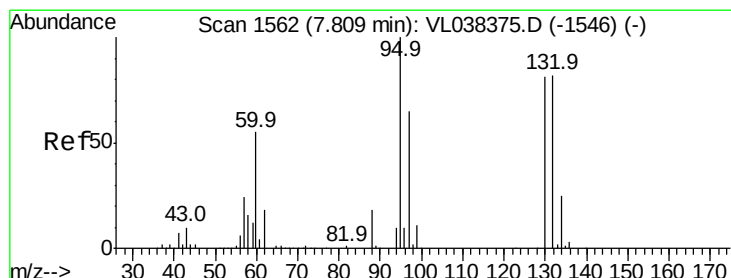
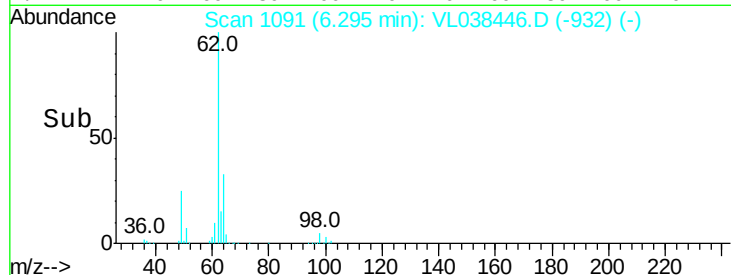
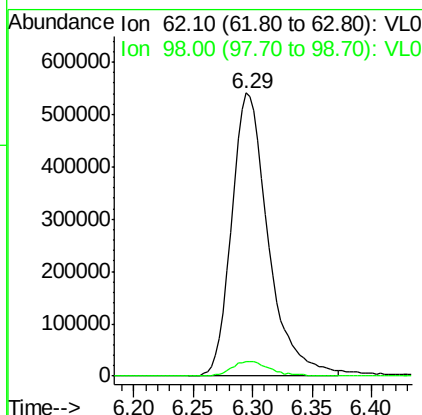
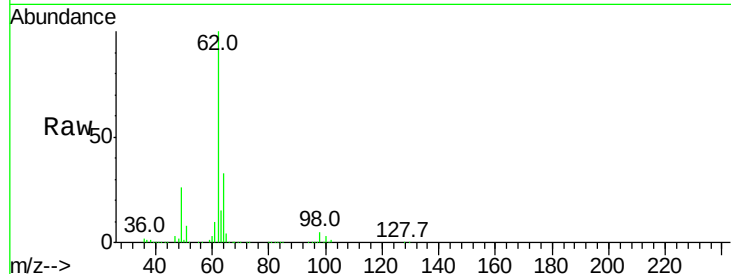
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





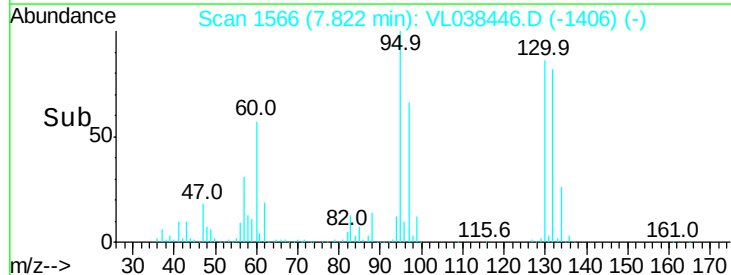
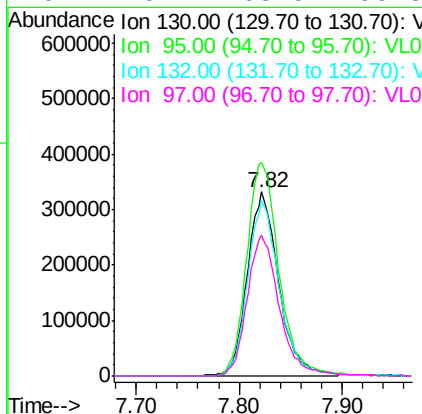
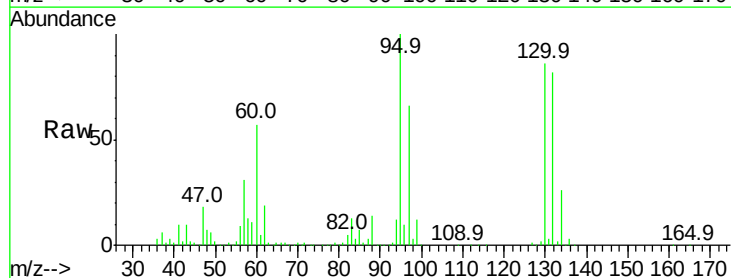
#37
 1,2-Dichloroethane
 Concen: 10.73 ppbv
 RT: 6.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0301ABS01
 Acq: 1 Mar 2022 11:31

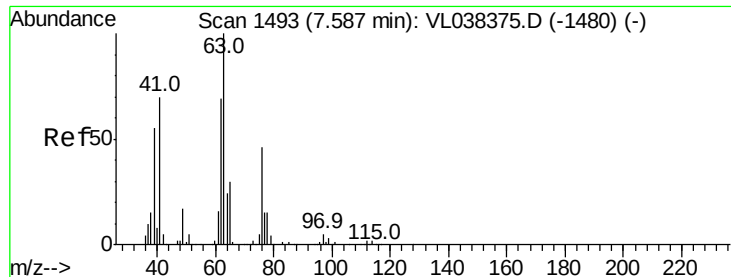
Tgt Ion: 62 Resp: 1155230
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.6 7.0



#38
 Trichloroethene
 Concen: 10.30 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T.: 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

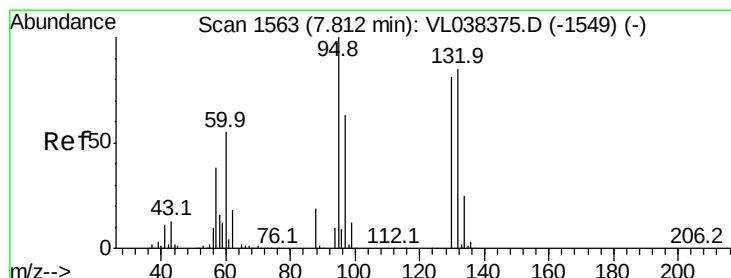
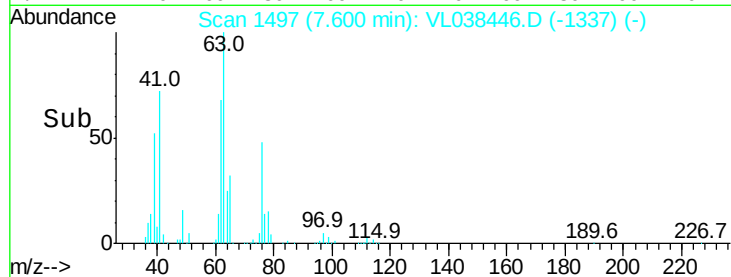
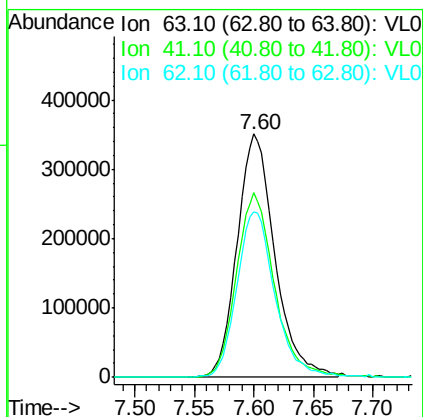
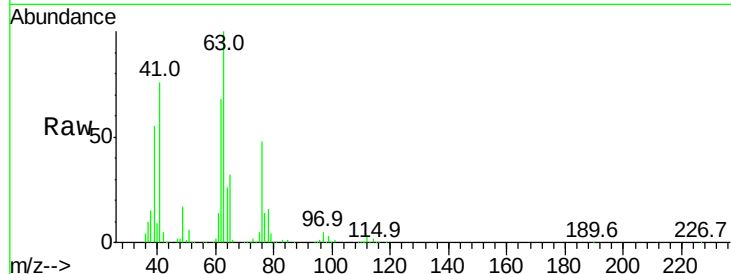
Tgt Ion: 130 Resp: 698453
 Ion Ratio Lower Upper
 130 100
 95 116.0 98.1 147.1
 132 95.2 80.3 120.5
 97 76.2 63.5 95.3





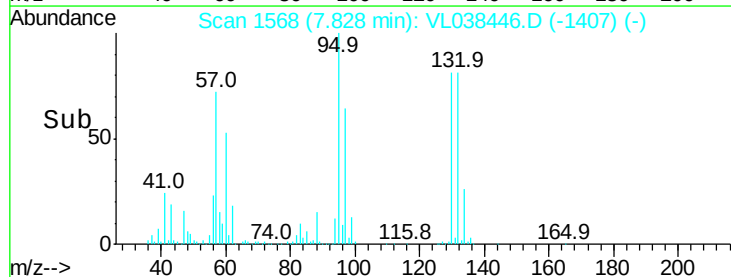
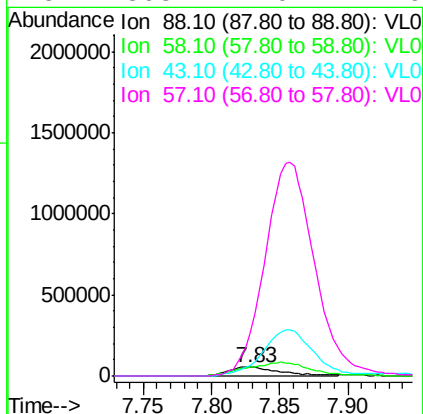
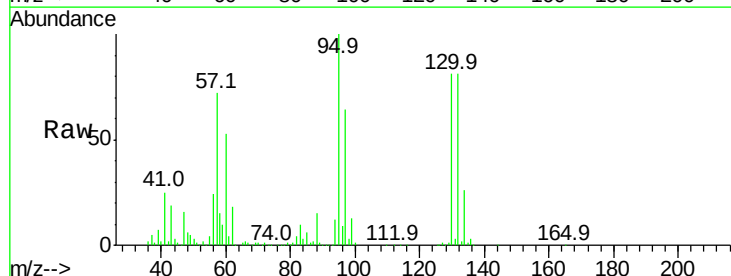
#39
 1,2-Dichloropropane
 Concen: 10.39 ppbv
 RT: 7.60
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 1 Mar 2022 11:31

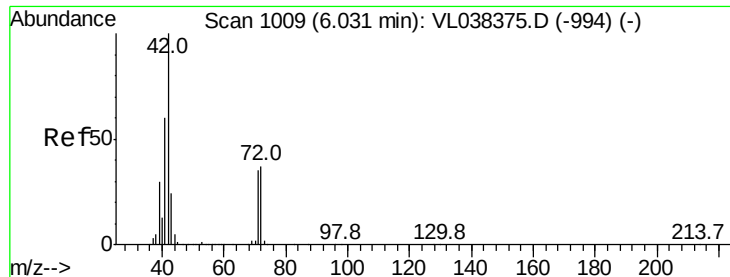
Tgt Ion: 63 Resp: 770992
 Ion Ratio Lower Upper
 63 100
 41 75.8 56.1 84.1
 62 68.0 55.5 83.3



#40
 1,4-Dioxane
 Concen: 8.30 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

Tgt Ion: 88 Resp: 145955
 Ion Ratio Lower Upper
 88 100
 58 192.7 133.2 199.8
 43 523.9 330.6 496.0#
 57 2308.1 1462.7 2194.1#





#41

Tetrahydrofuran

Concen: 10.83 ppbv

RT: 6.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 11:31 VL0301ABS01

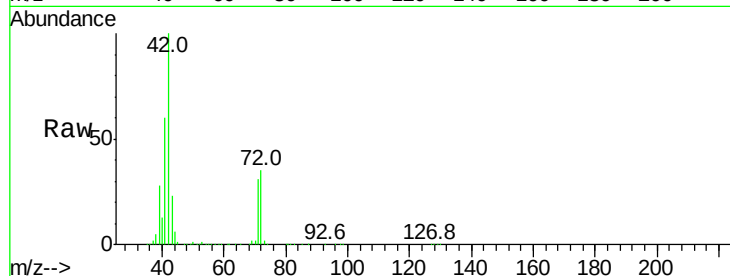
Tgt Ion: 42 Resp: 486662

Ion Ratio Lower Upper

42 100

72 36.0 29.9 44.9

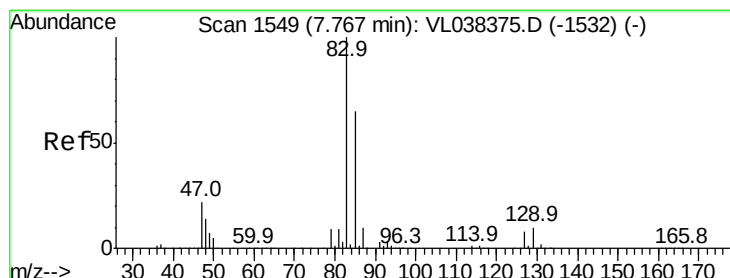
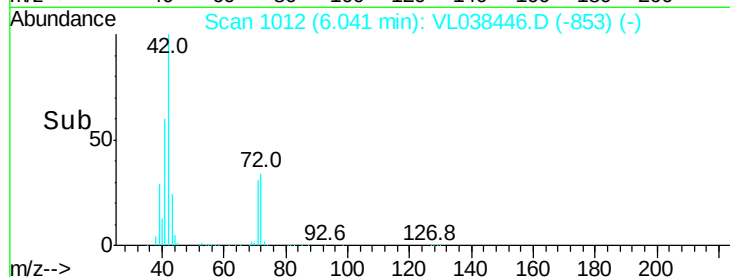
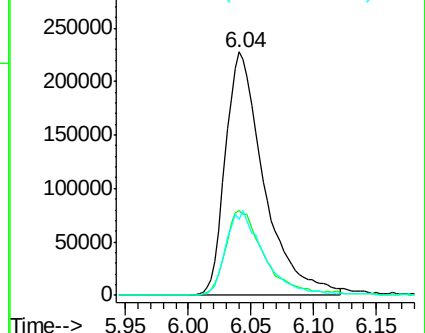
71 34.7 28.6 42.8



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: 10.56 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL038446.D

Acq: 1 Mar 2022 11:31

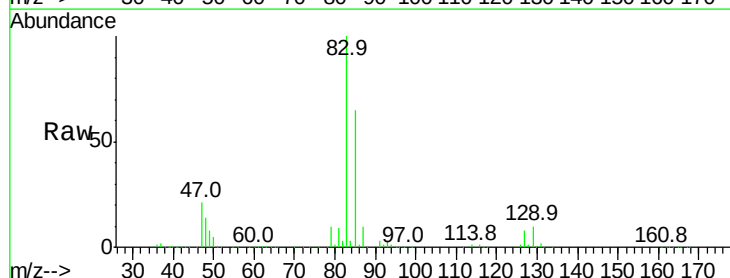
Tgt Ion: 83 Resp: 1640879

Ion Ratio Lower Upper

83 100

85 64.9 52.2 78.4

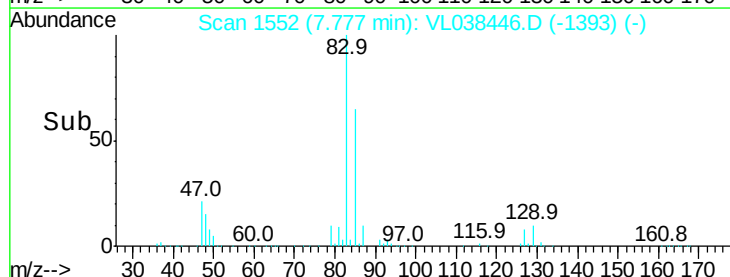
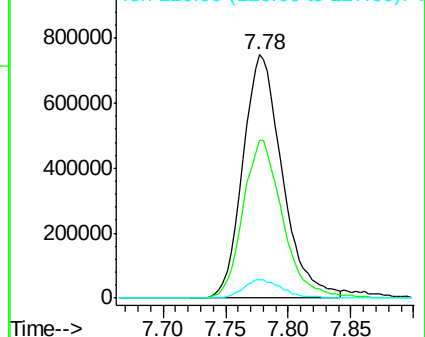
127 7.6 6.2 9.4

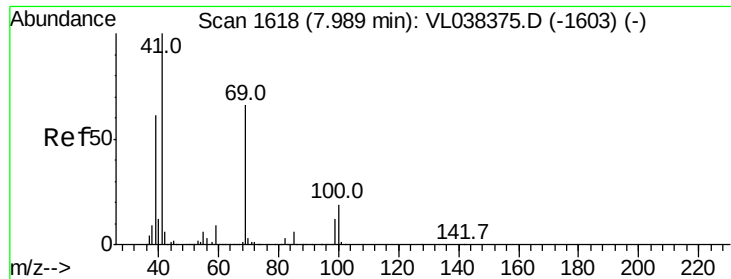


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

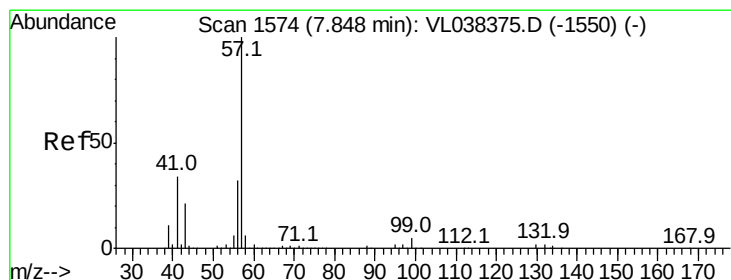
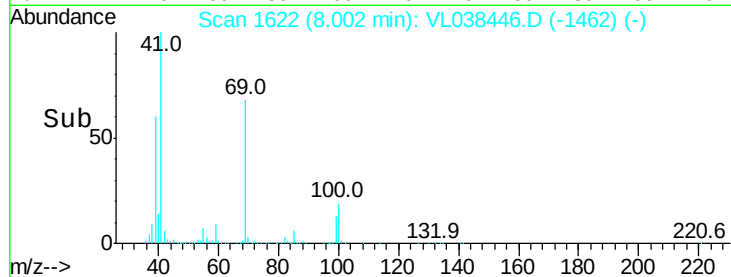
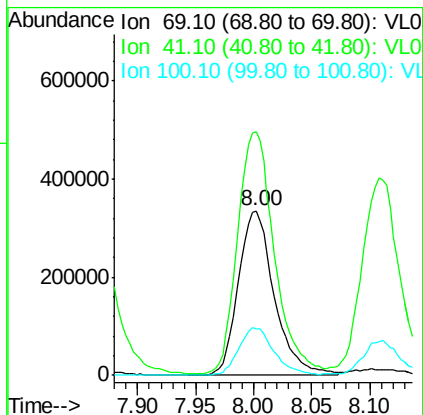
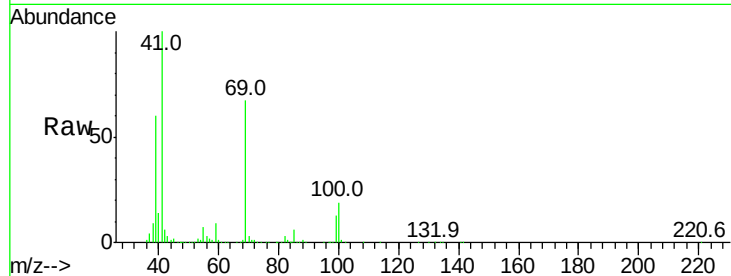
Ion 126.90 (126.60 to 127.60): V





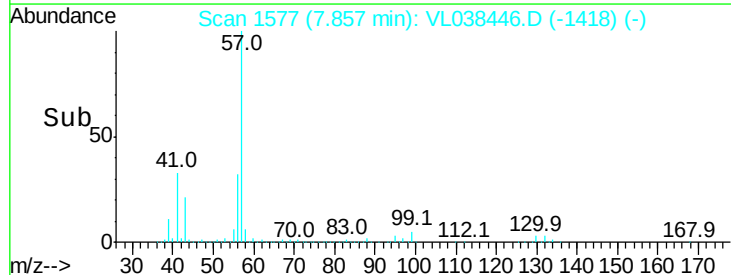
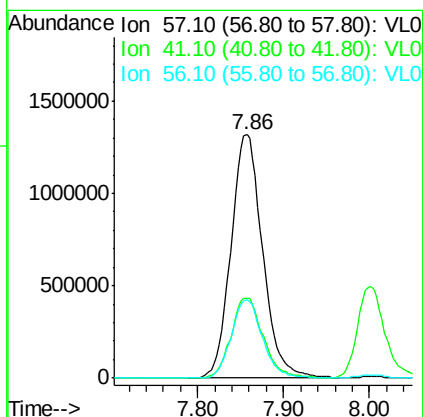
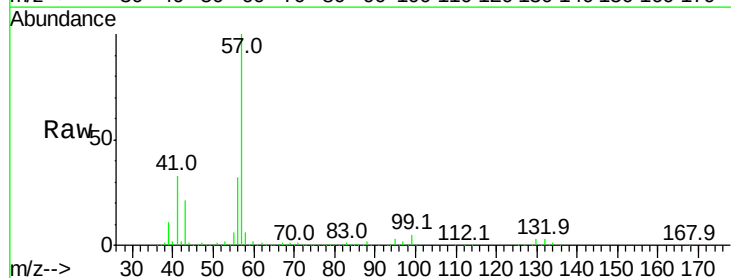
#43
Methyl Methacrylate
Concen: 11.17 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 1 Mar 2022 11:31

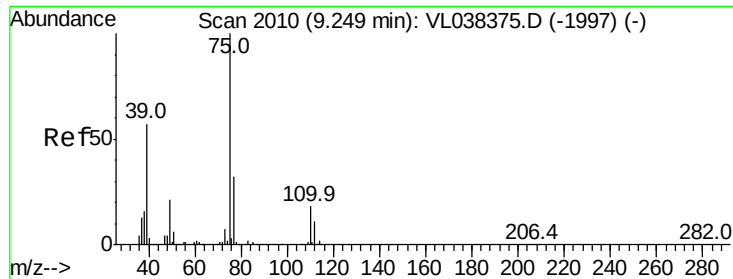
Tgt Ion: 69 Resp: 723212
Ion Ratio Lower Upper
69 100
41 152.2 122.9 184.3
100 28.9 23.6 35.4



#44
2,2,4-Trimethylpentane
Concen: 10.52 ppbv
RT: 7.86 min Scan# 1577
Delta R.T.: 0.01 min
Lab File: VL038446.D
Acq: 1 Mar 2022 11:31

Tgt Ion: 57 Resp: 3366897
Ion Ratio Lower Upper
57 100
41 33.5 26.6 39.8
56 31.7 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 11.31 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0301ABS01

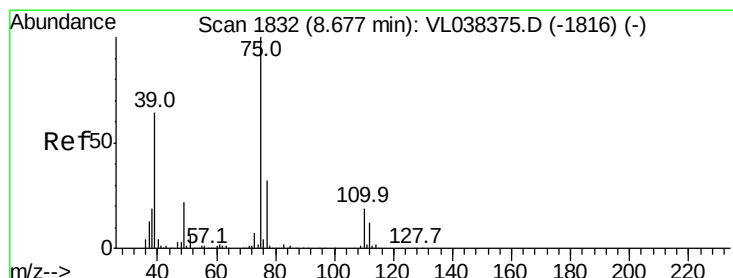
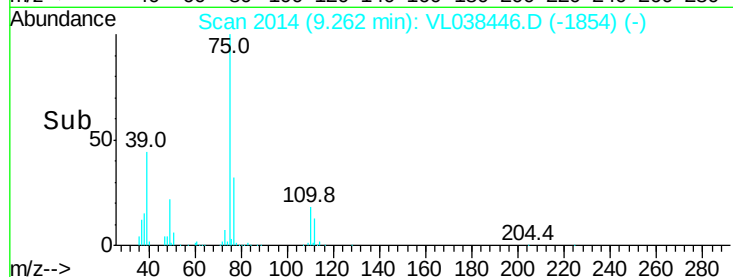
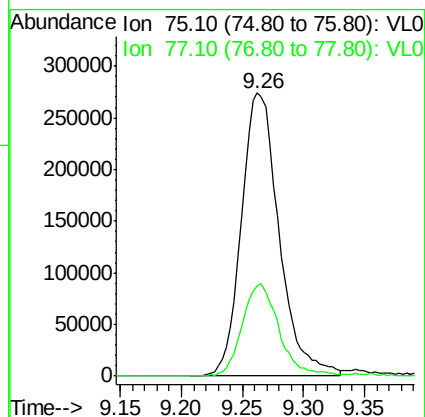
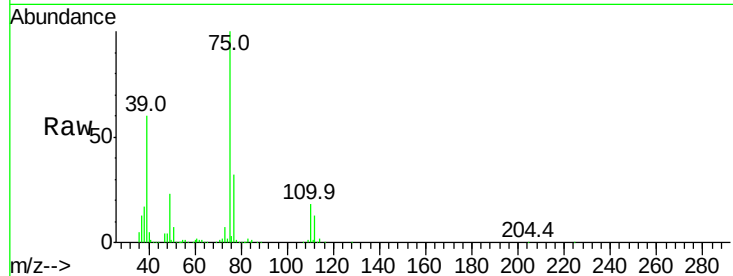
Acq: 1 Mar 2022 11:31

Tgt Ion: 75 Resp: 585316

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#46

cis-1,3-Dichloropropene

Concen: 11.12 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VL038446.D

Acq: 1 Mar 2022 11:31

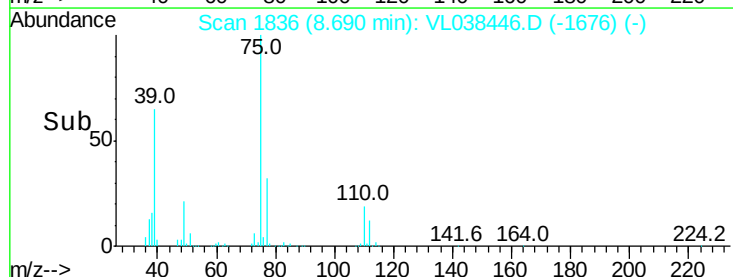
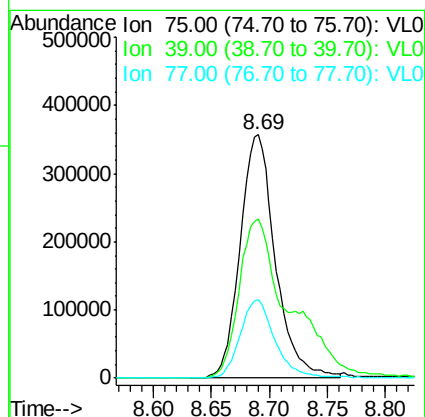
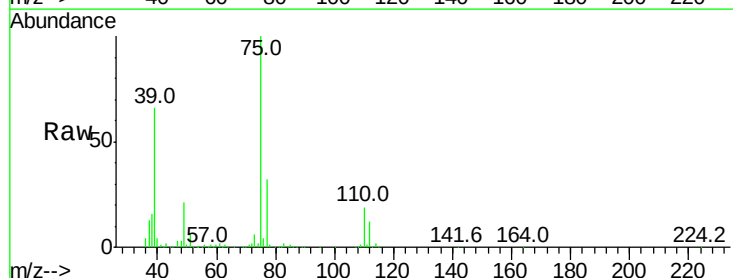
Tgt Ion: 75 Resp: 753957

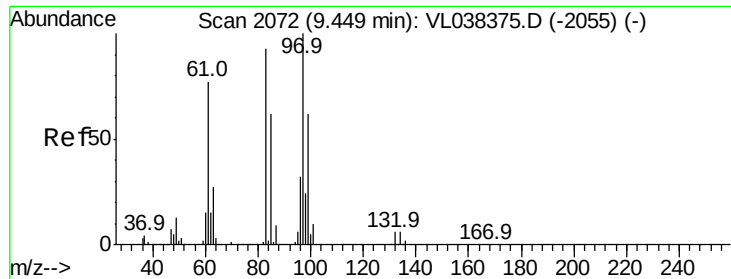
Ion Ratio Lower Upper

75 100

39 65.4 51.4 77.2

77 32.2 25.4 38.2





#47

1,1,2-Trichloroethane

Concen: 10.23 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Mar 2022 11:31 VL0301ABS01

Tgt Ion: 97 Resp: 755236

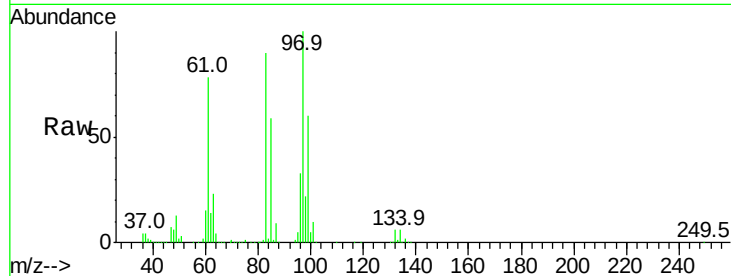
Ion Ratio Lower Upper

97 100

83 90.3 74.2 111.4

85 59.3 49.8 74.8

99 60.4 49.5 74.3

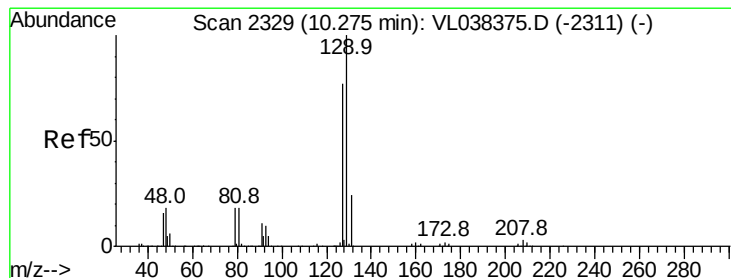
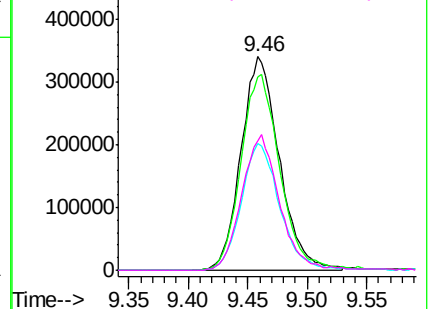
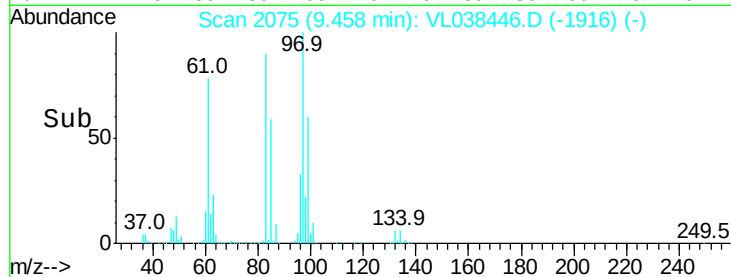


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.49 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. 0.01 min

Lab File: VL038446.D

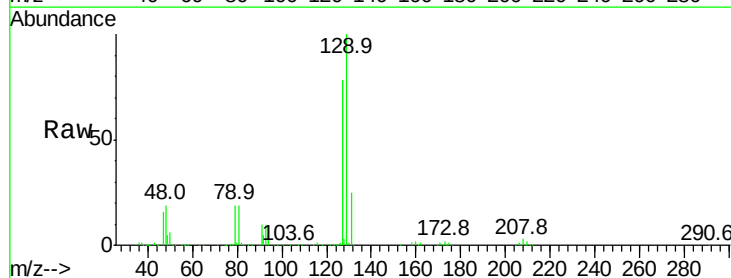
Acq: 1 Mar 2022 11:31

Tgt Ion: 129 Resp: 1265621

Ion Ratio Lower Upper

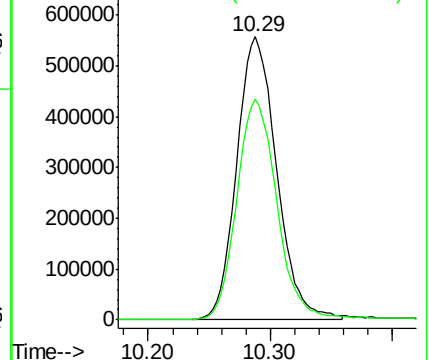
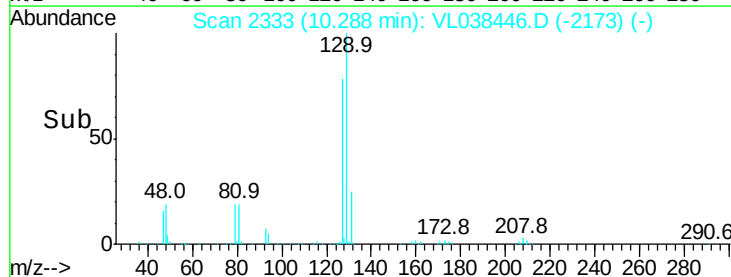
129 100

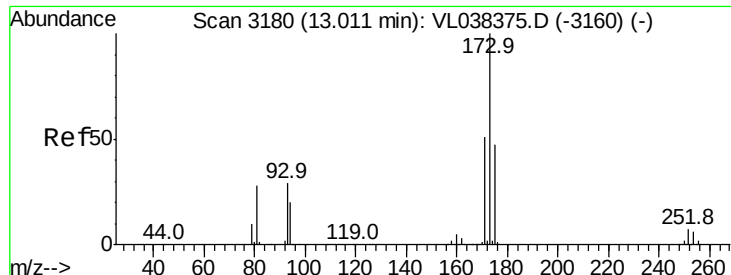
127 79.0 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.43 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 11:31

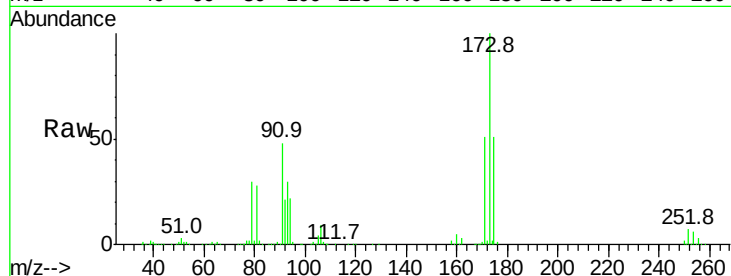
Tgt Ion: 173 Resp: 840367

Ion Ratio Lower Upper

173 100

175 52.7 40.2 60.2

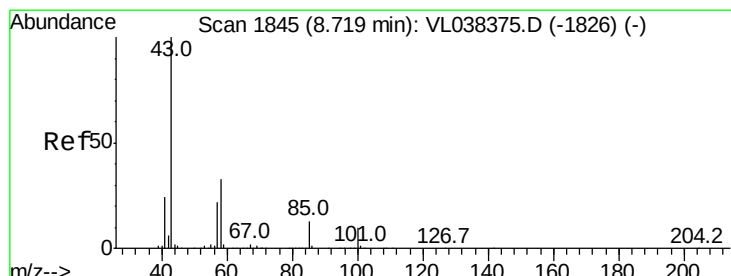
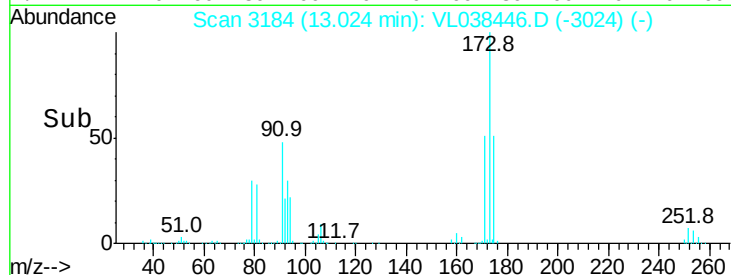
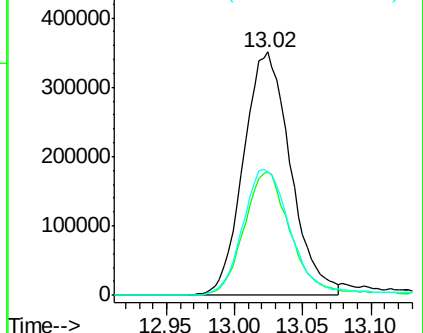
171 55.1 42.7 64.1



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: 11.33 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL038446.D

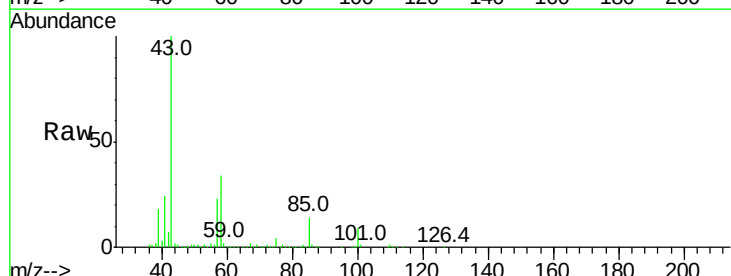
Acq: 1 Mar 2022 11:31

Tgt Ion: 43 Resp: 1333372

Ion Ratio Lower Upper

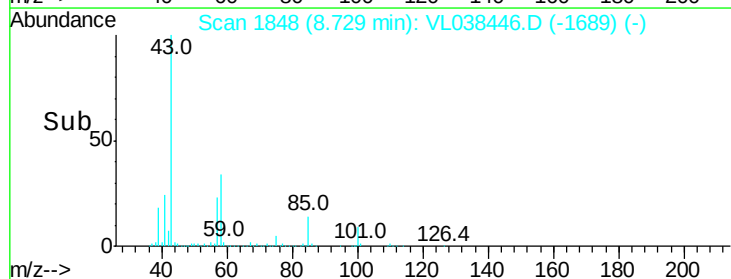
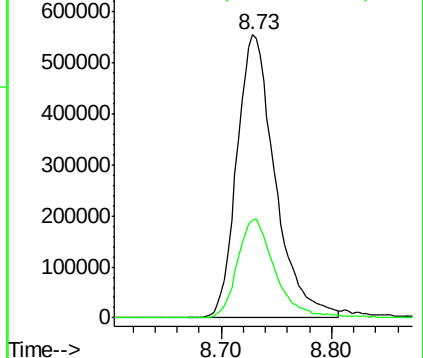
43 100

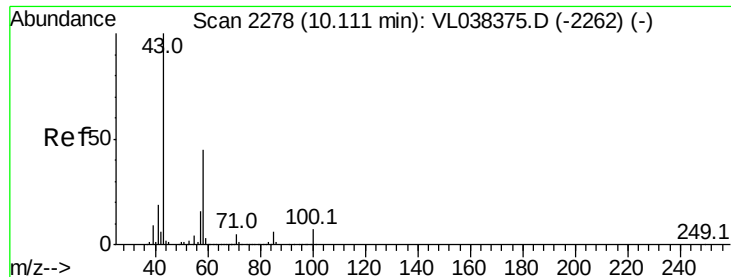
58 34.7 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

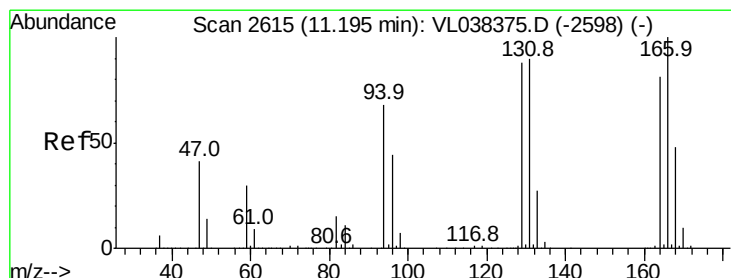
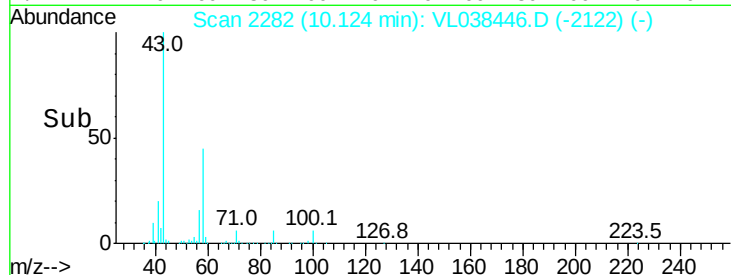
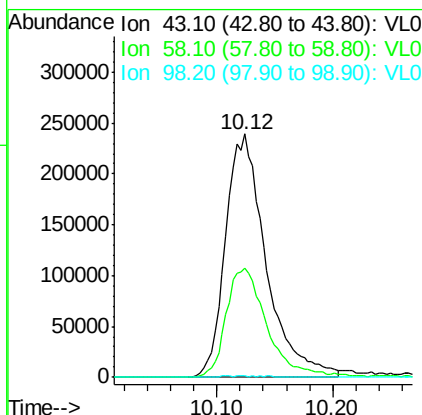
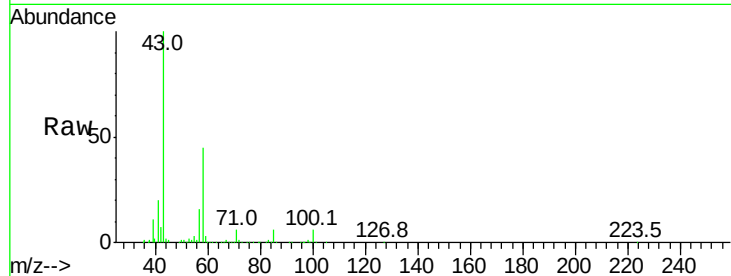
Ion 58.10 (57.80 to 58.80): VL0





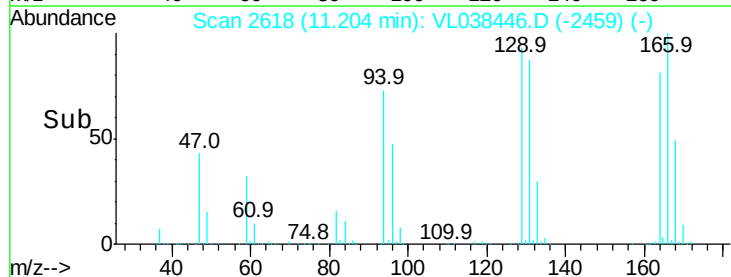
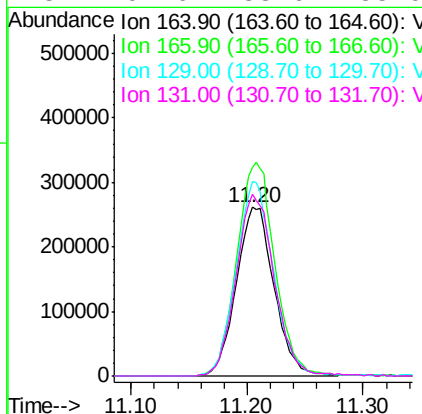
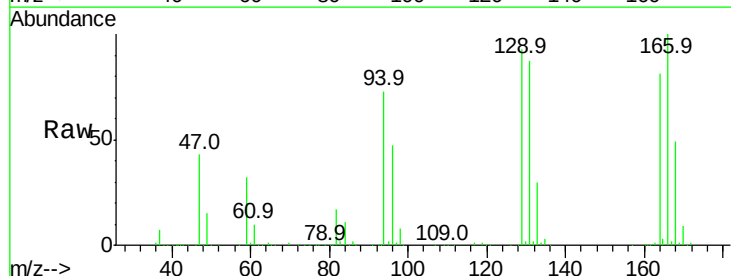
#51
2-Hexanone
Concen: 10.93 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0301ABS01
Acq: 1 Mar 2022 11:31

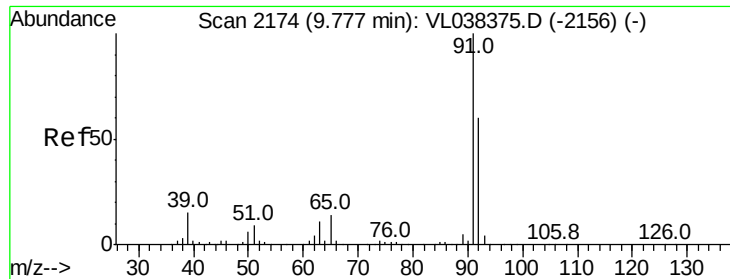
Tgt Ion: 43 Resp: 575532
Ion Ratio Lower Upper
43 100
58 45.6 37.4 56.0
98 0.7 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.54 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.01 min
Lab File: VL038446.D
Acq: 1 Mar 2022 11:31

Tgt Ion: 164 Resp: 589989
Ion Ratio Lower Upper
164 100
166 123.4 98.6 148.0
129 114.9 86.9 130.3
131 107.6 88.6 133.0





#53

Toluene

Concen: 10.52 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

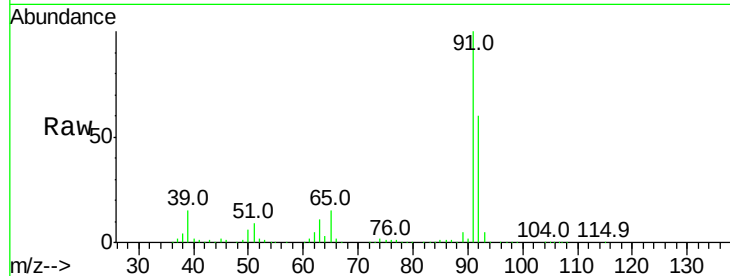
Acq: 1 Mar 2022 11:31 VL0301ABS01

Tgt Ion: 91 Resp: 2127045

Ion Ratio Lower Upper

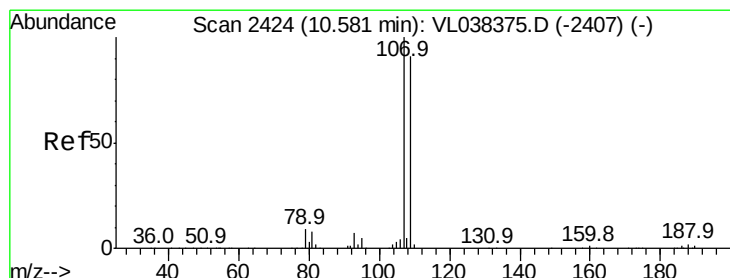
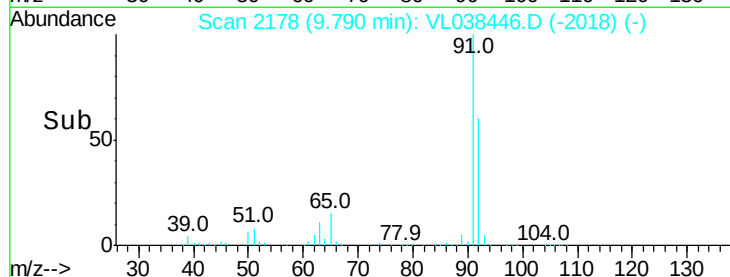
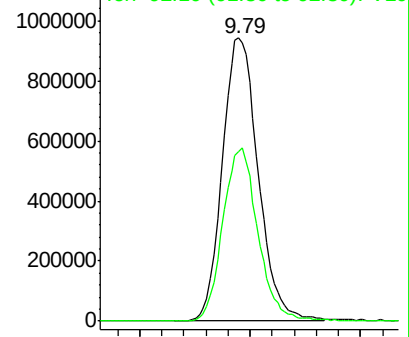
91 100

92 60.2 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: 10.40 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL038446.D

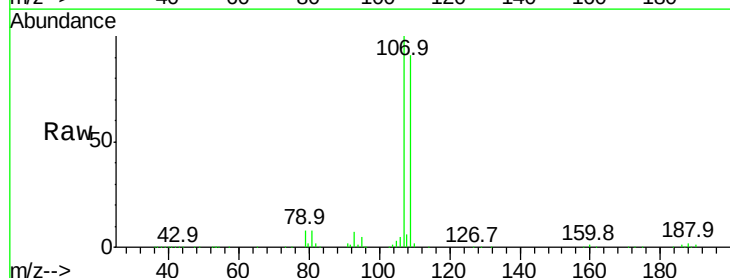
Acq: 1 Mar 2022 11:31

Tgt Ion: 107 Resp: 1080538

Ion Ratio Lower Upper

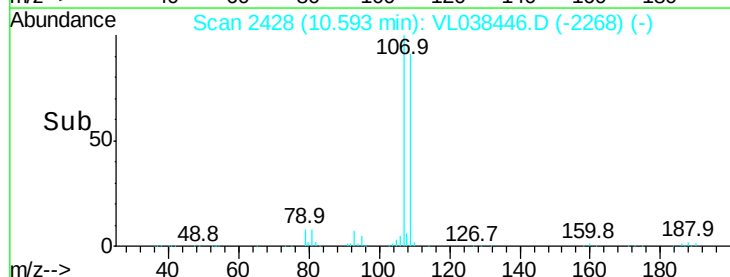
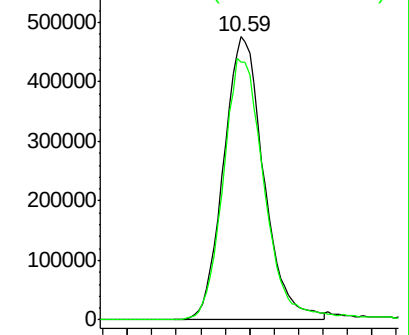
107 100

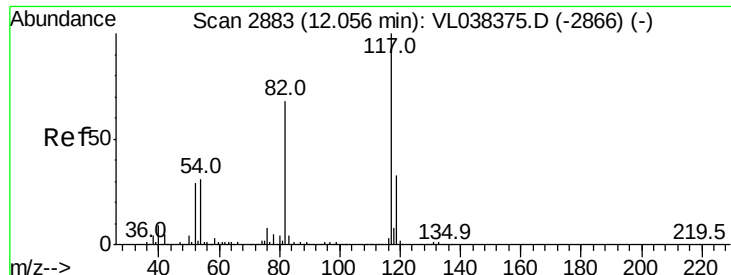
109 91.2 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

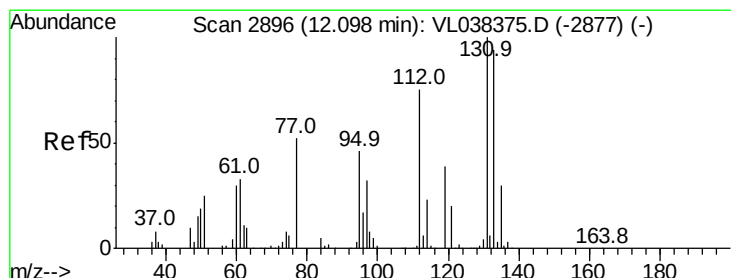
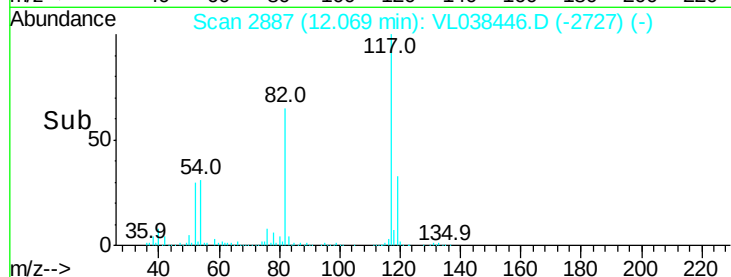
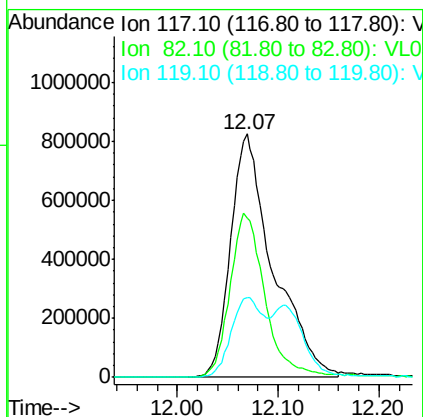
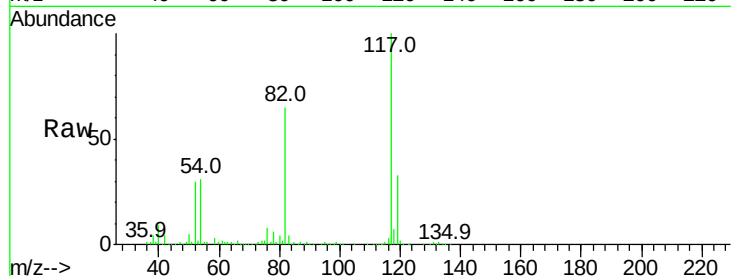
Ion 109.00 (108.70 to 109.70): V





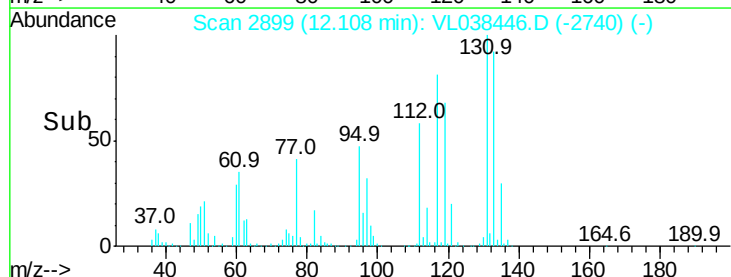
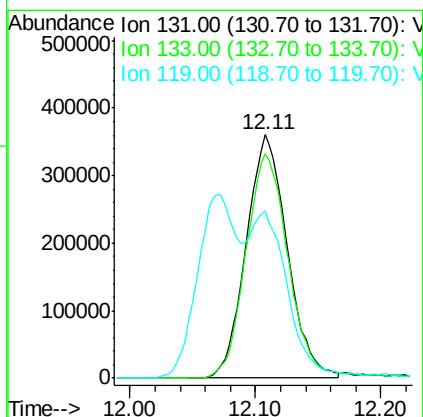
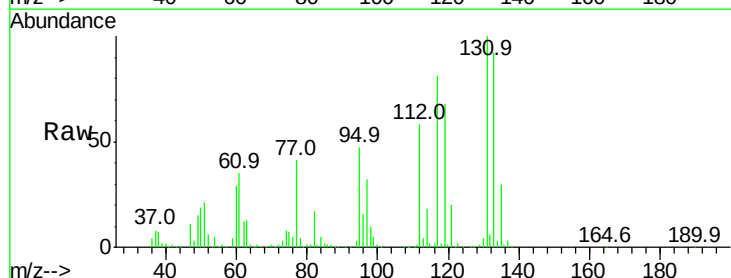
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0301ABS01
 Acq: 1 Mar 2022 11:31

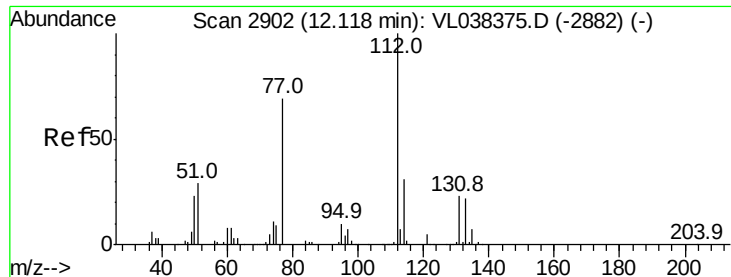
Tgt Ion:117 Resp: 2412577
 Ion Ratio Lower Upper
 117 100
 82 56.6 54.9 82.3
 119 26.2 46.1 69.1#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 8.15 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T.: 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

Tgt Ion:131 Resp: 819884
 Ion Ratio Lower Upper
 131 100
 133 97.4 77.3 115.9
 119 64.9 48.6 73.0





#57

Chlorobenzene

Concen: 7.82 ppbv

RT: 12.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 11:31

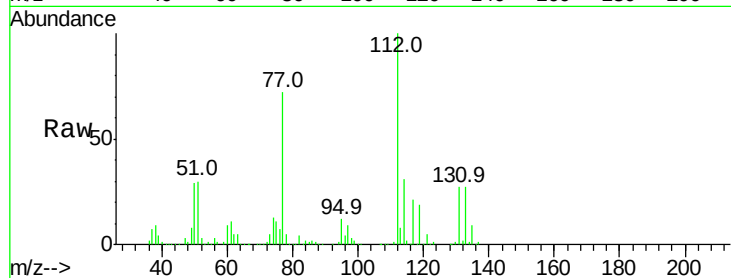
Tgt Ion: 112 Resp: 1455953

Ion Ratio Lower Upper

112 100

77 70.8 55.2 82.8

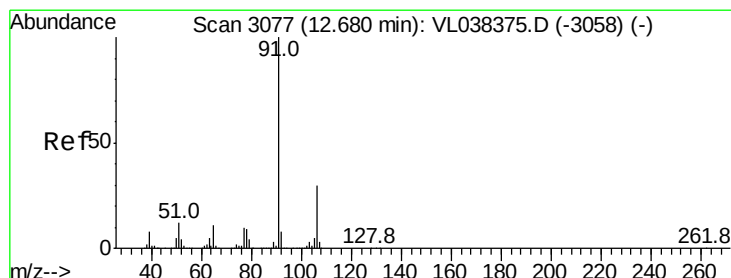
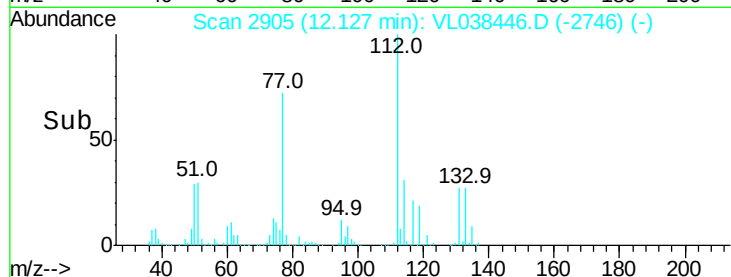
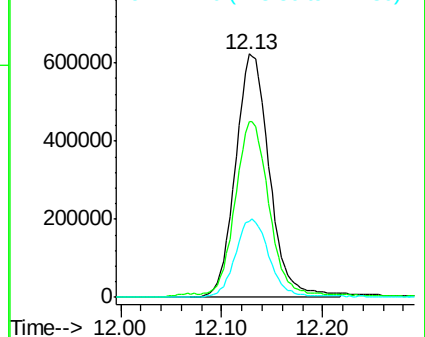
114 31.3 27.9 34.1



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: 8.21 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL038446.D

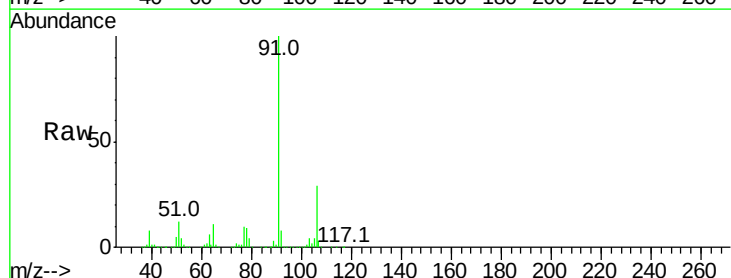
Acq: 1 Mar 2022 11:31

Tgt Ion: 91 Resp: 2708344

Ion Ratio Lower Upper

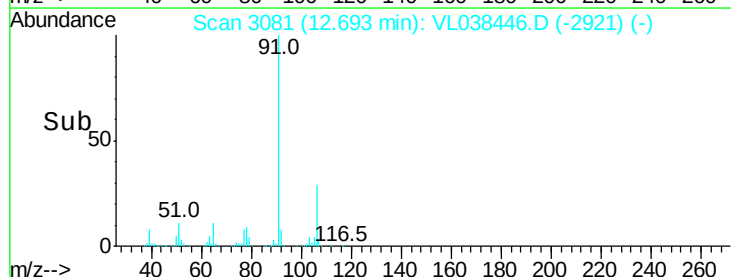
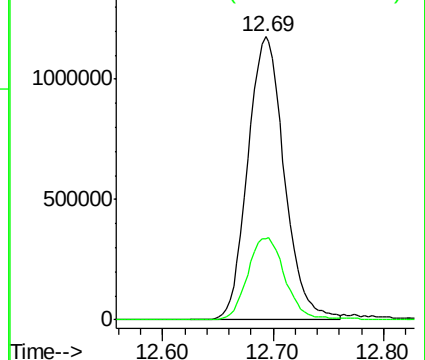
91 100

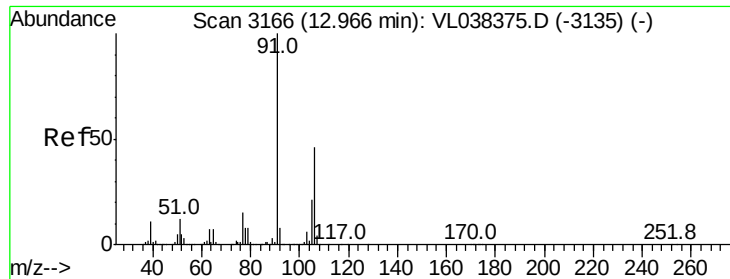
106 28.7 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

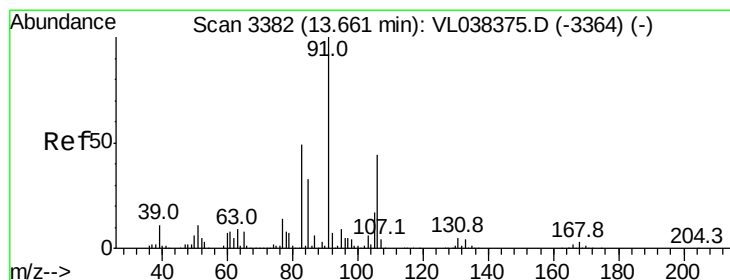
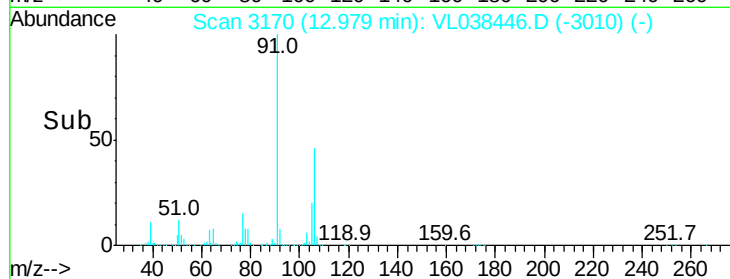
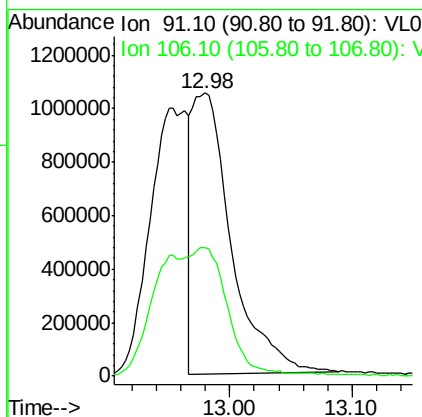
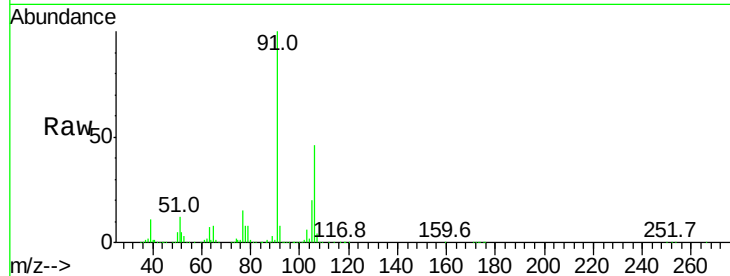
Ion 106.10 (105.80 to 106.80): V





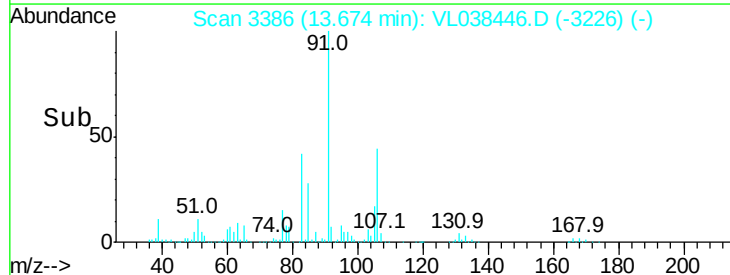
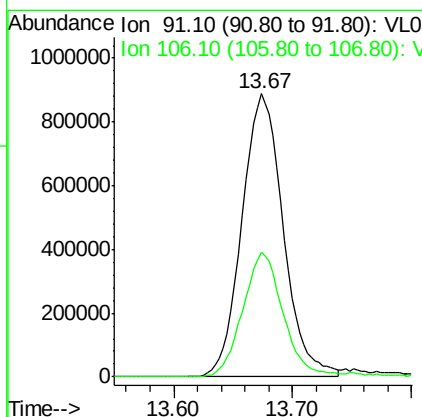
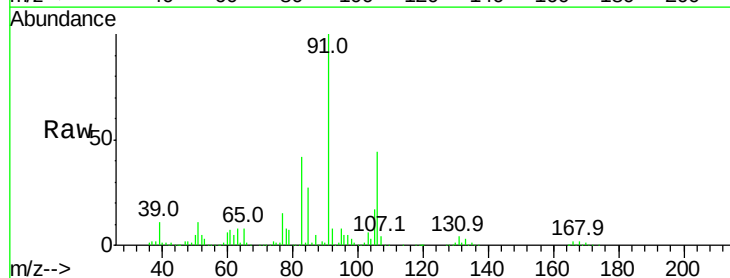
#59
m/p-Xylene
Concen: 8.17 ppbv
RT: 12.98
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Mar 2022 11:31

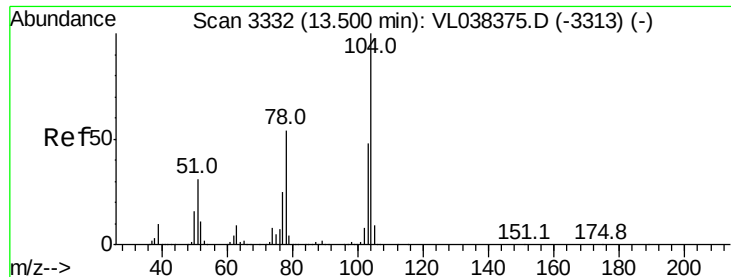
Tgt Ion: 91 Resp: 2313449
Ion Ratio Lower Upper
91 100
106 84.7 34.4 51.6#



#60
o-Xylene
Concen: 7.97 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VL038446.D
Acq: 1 Mar 2022 11:31

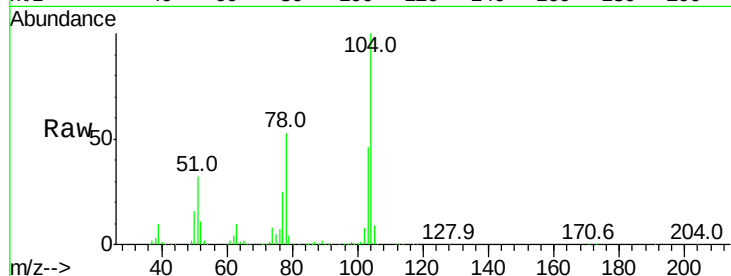
Tgt Ion: 91 Resp: 2134382
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.5



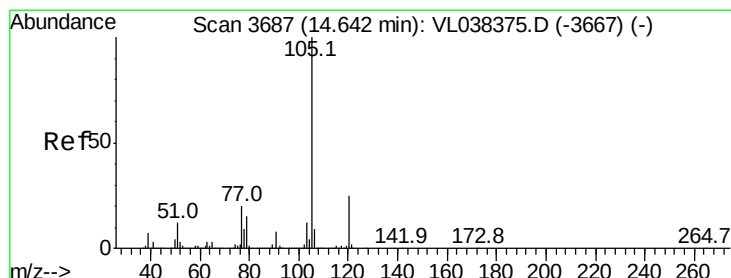
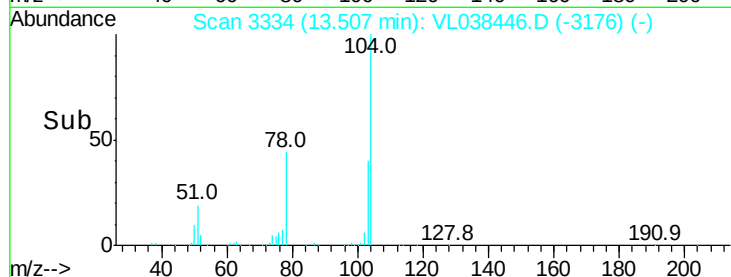
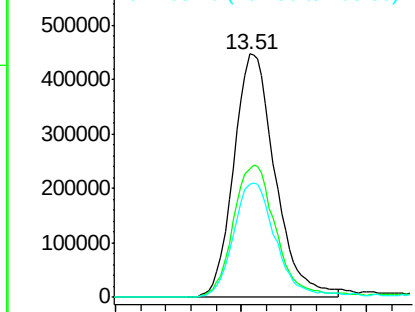


#61
Styrene
Concen: 8.31 ppbv
RT: 13.51
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0301ABS01
Acq: 1 Mar 2022 11:31

Tgt Ion:104 Resp: 1027185
Ion Ratio Lower Upper
104 100
78 57.3 44.2 66.4
103 48.8 38.4 57.6

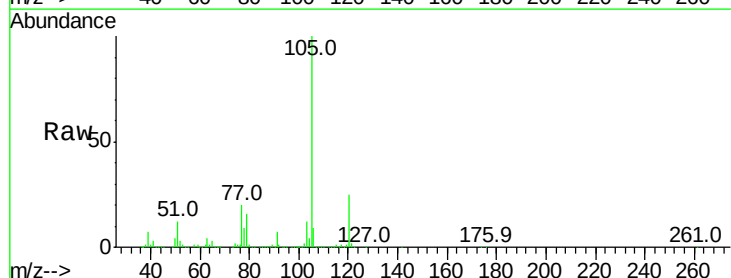


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

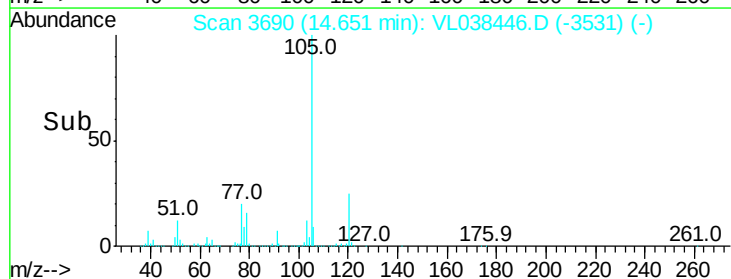
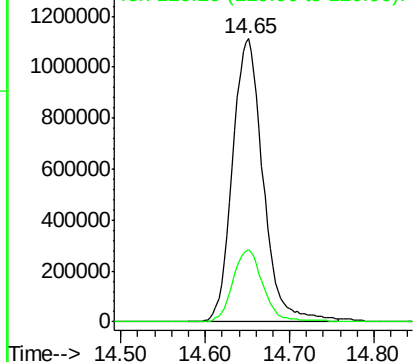


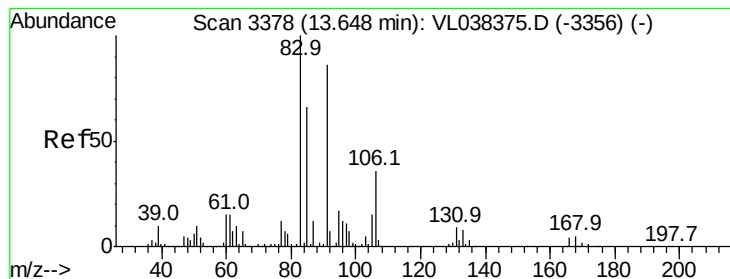
#62
Isopropylbenzene
Concen: 7.83 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.01 min
Lab File: VL038446.D
Acq: 1 Mar 2022 11:31

Tgt Ion:105 Resp: 2814294
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.67 ppbv

RT: 13.66

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 1 Mar 2022 11:31

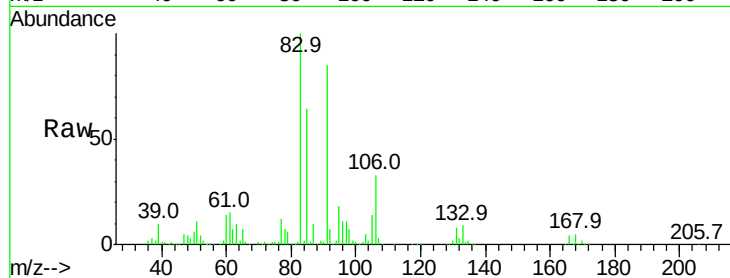
Tgt Ion: 83 Resp: 1452337

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.7

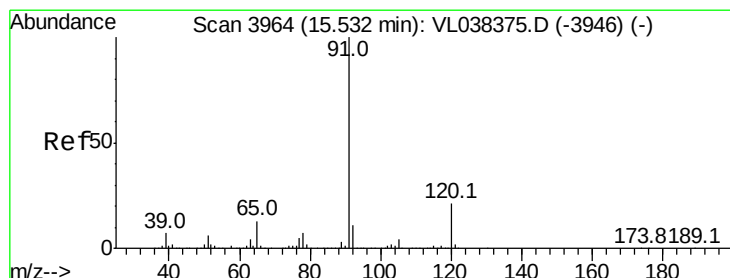
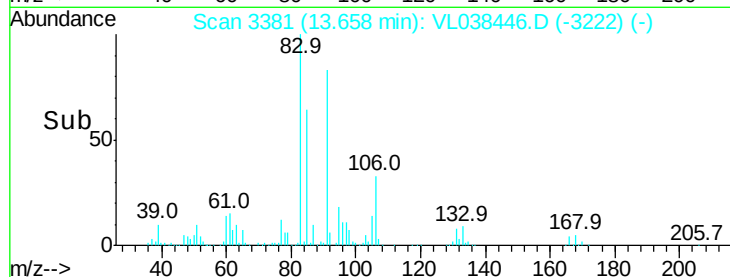
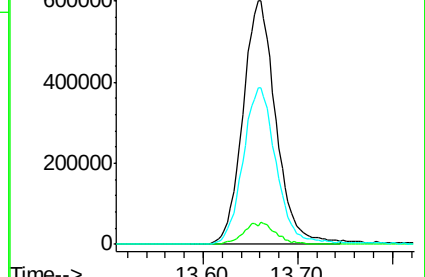
85 66.0 33.0 99.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.51 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.01 min

Lab File: VL038446.D

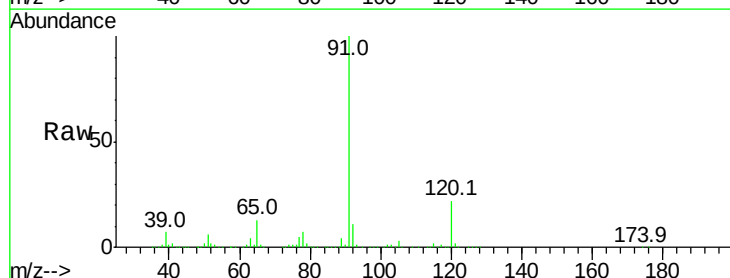
Acq: 1 Mar 2022 11:31

Tgt Ion:120 Resp: 668527

Ion Ratio Lower Upper

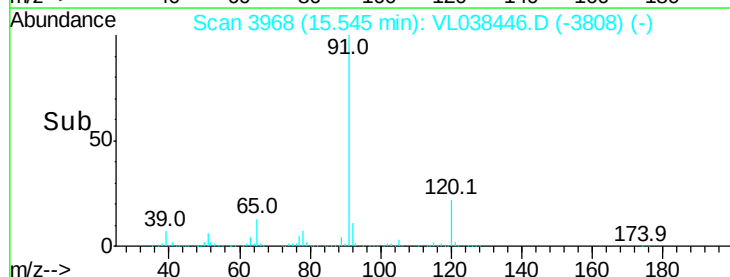
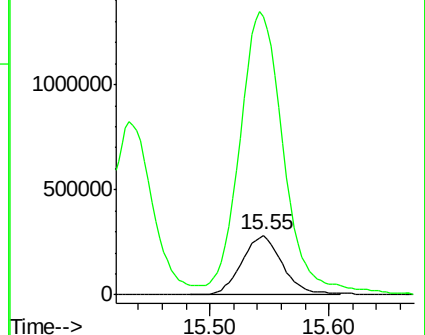
120 100

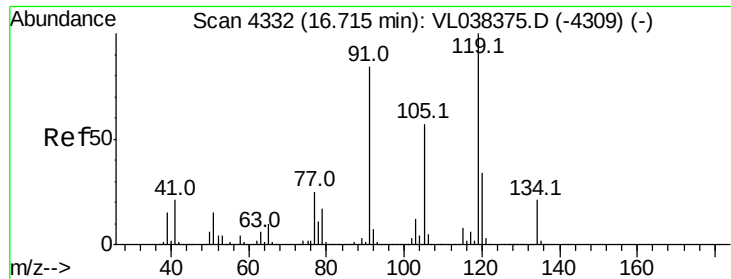
91 518.9 388.1 582.1



Abundance Ion 120.20 (119.90 to 120.90): V

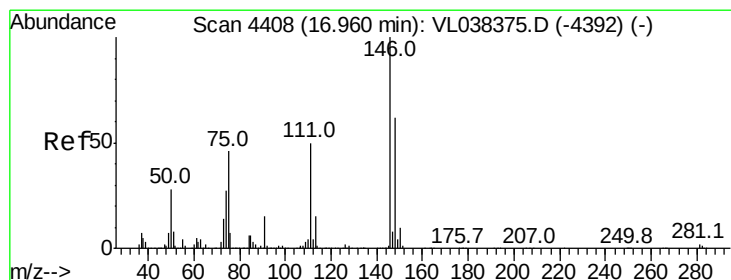
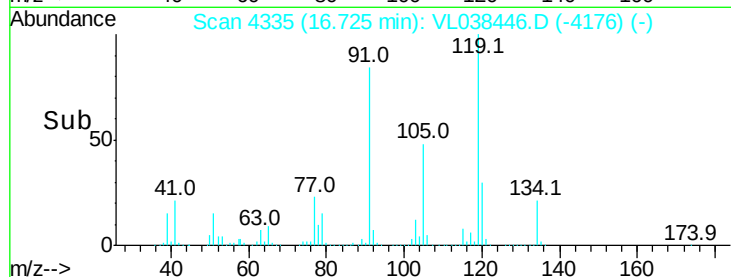
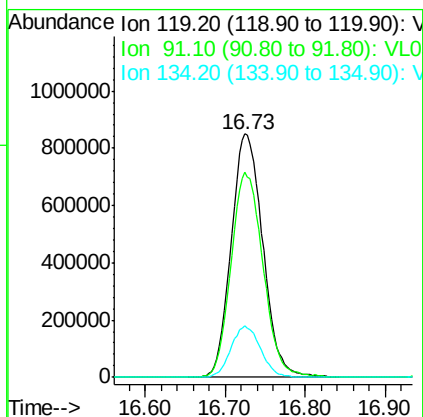
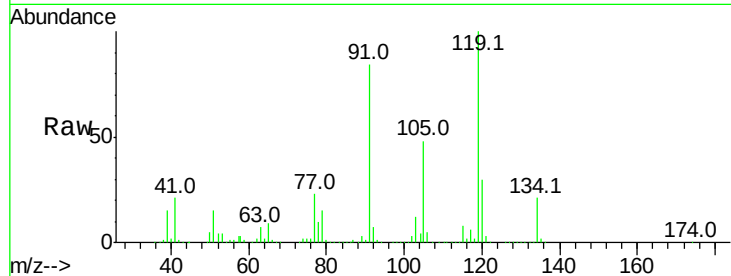
Ion 91.10 (90.80 to 91.80): VL0





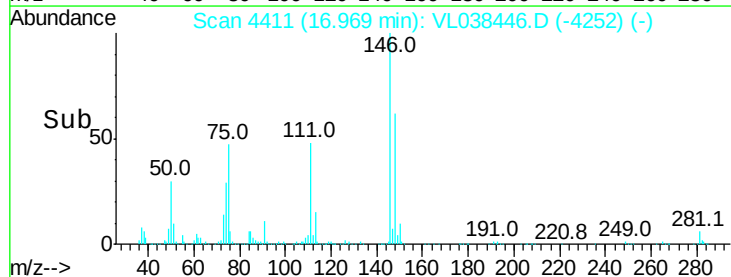
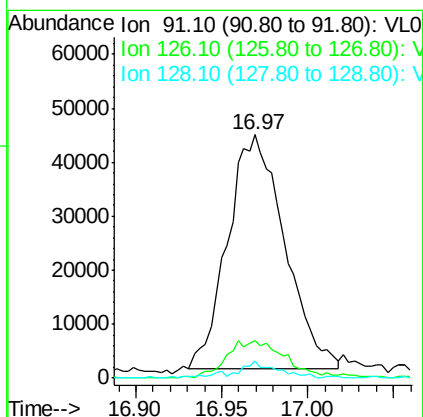
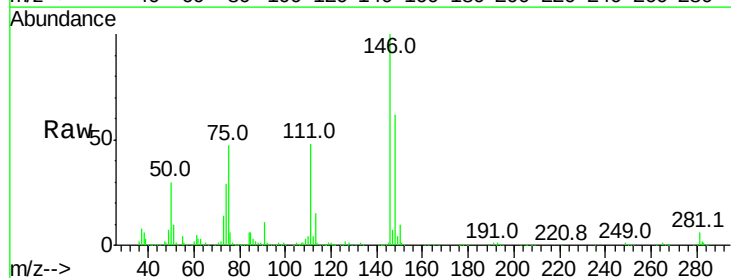
#65
 tert-Butylbenzene
 Concen: 7.29 ppbv
 RT: 16.73
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0301ABS01
 Acq: 1 Mar 2022 11:31

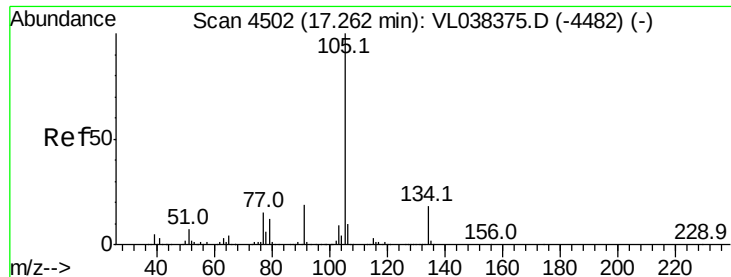
Tgt Ion: 119 Resp: 2270776
 Ion Ratio Lower Upper
 119 100
 91 85.6 68.0 102.0
 134 19.9 15.8 23.8



#66
 Benzyl Chloride
 Concen: 5.90 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

Tgt Ion: 91 Resp: 99343
 Ion Ratio Lower Upper
 91 100
 126 17.6 12.3 18.5
 128 5.6 4.2 6.4





#67

sec-Butylbenzene

Concen: 7.21 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

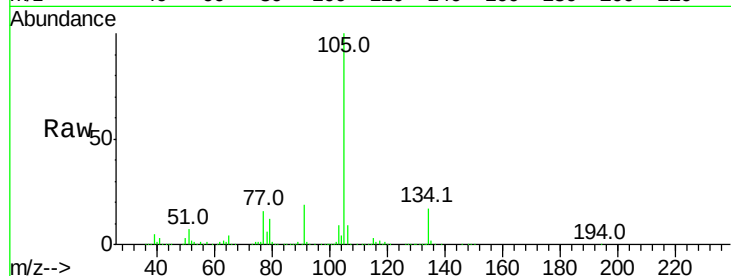
Acq: 1 Mar 2022 11:31

Tgt Ion: 105 Resp: 3180689

Ion Ratio Lower Upper

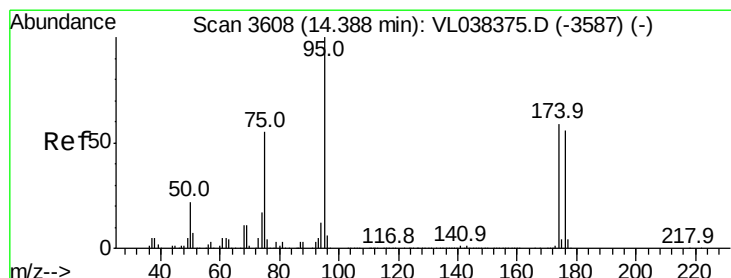
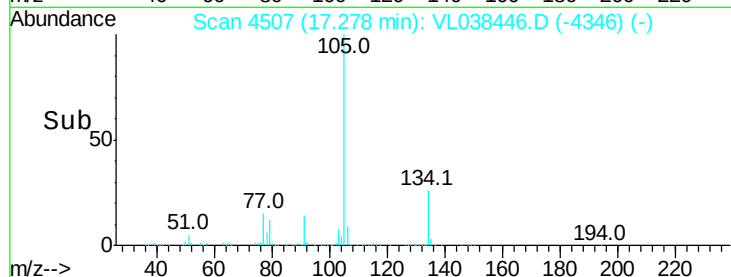
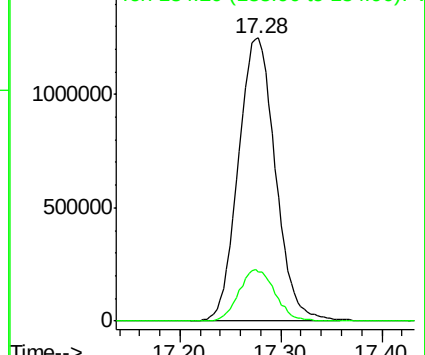
105 100

134 17.9 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.06 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.01 min

Lab File: VL038446.D

Acq: 1 Mar 2022 11:31

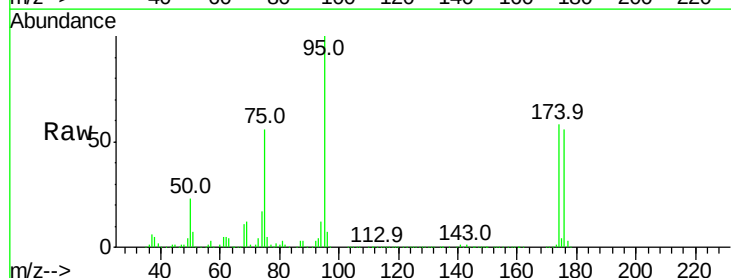
Tgt Ion: 95 Resp: 1609587

Ion Ratio Lower Upper

95 100

174 60.7 49.0 73.4

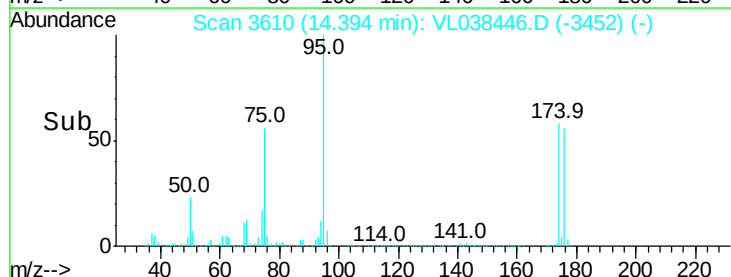
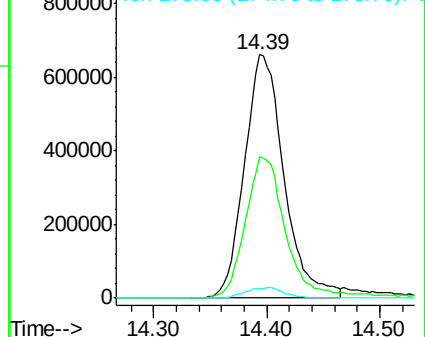
175 4.5 3.6 5.4

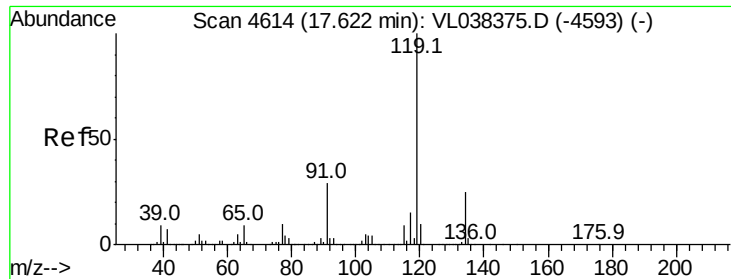


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

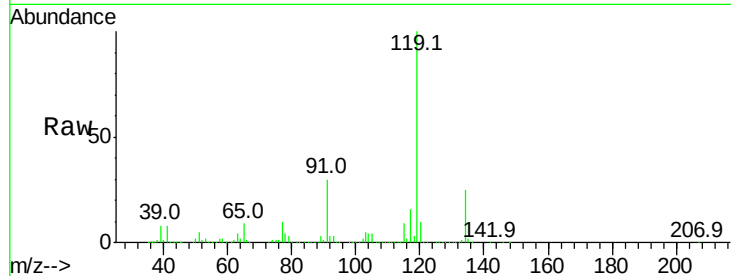




#69
 p-Isopropyltoluene
 Concen: 7.33 ppbv
 RT: 17.63 min
 Delta R.T. 0.01 min
 Lab File: VL0301ABS01
 Acq: 1 Mar 2022 11:31

Tgt Ion: 119 Resp: 2540633

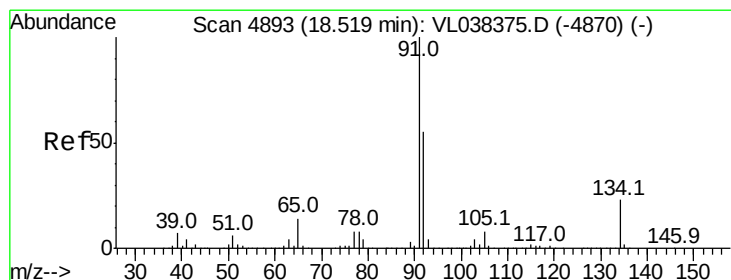
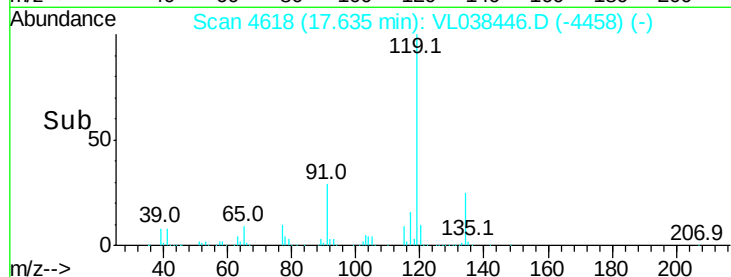
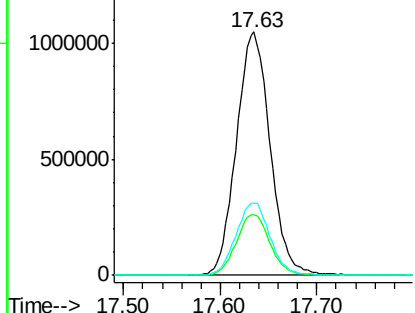
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	30.3	23.8	35.8



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

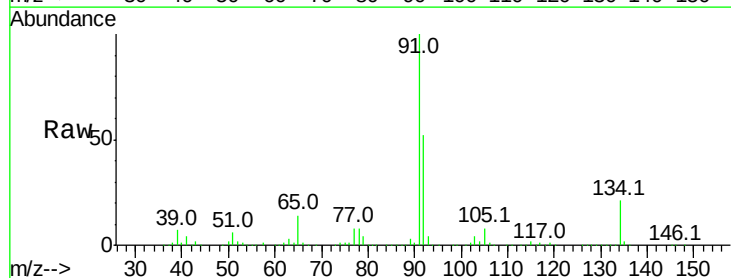
Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 7.48 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

Tgt Ion: 91 Resp: 2681170

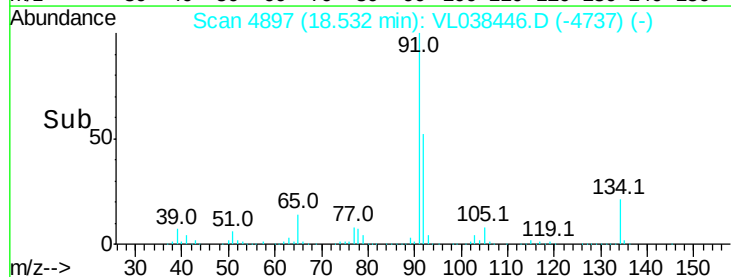
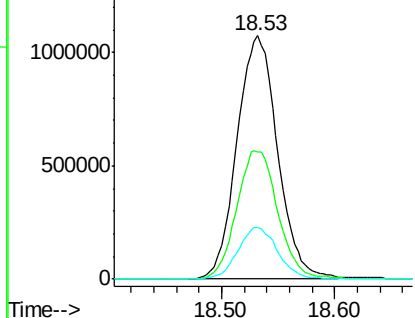
Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.1	64.7
134	21.1	17.4	26.0

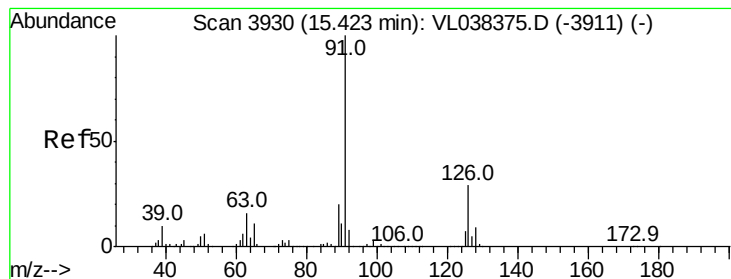


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

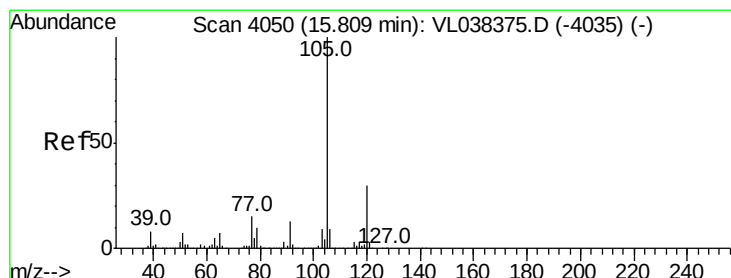
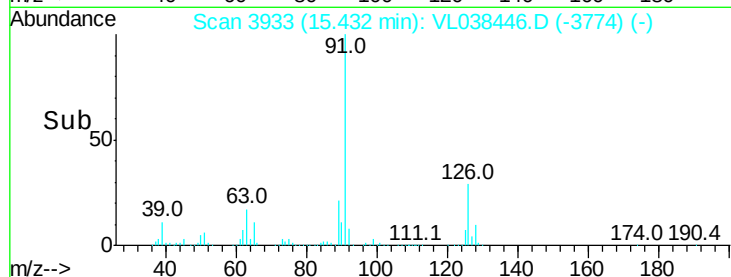
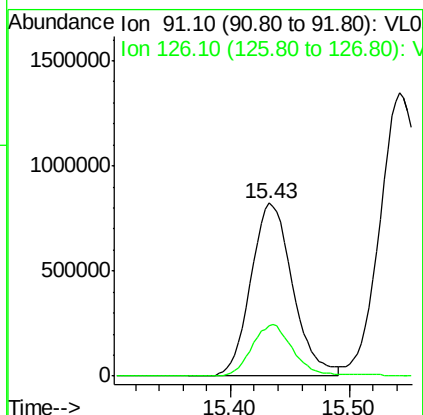
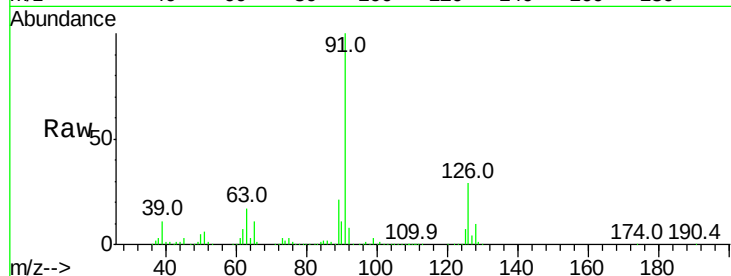
Ion 134.20 (133.90 to 134.90): V





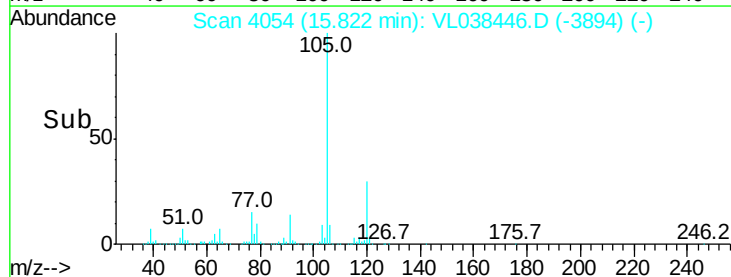
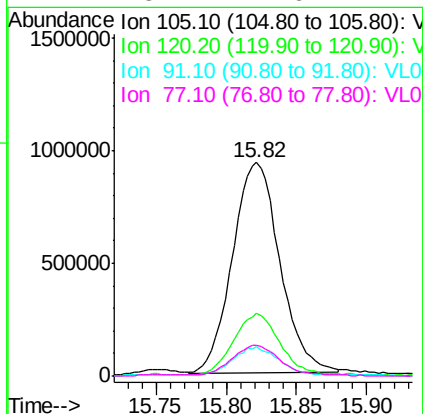
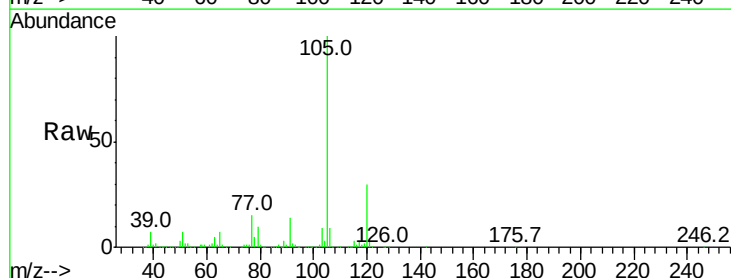
#71
 2-Chlorotoluene
 Concen: 7.25 ppbv
 RT: 15.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0301ABS01
 Acq: 1 Mar 2022 11:31

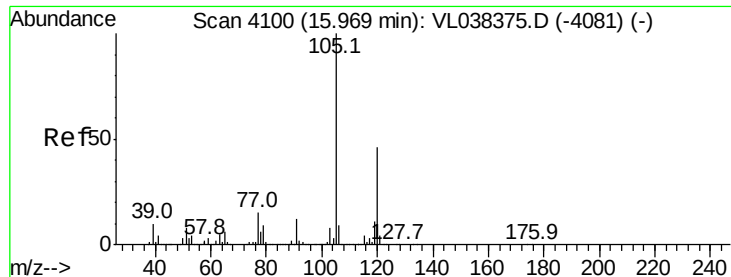
Tgt Ion: 91 Resp: 2004995
 Ion Ratio Lower Upper
 91 100
 126 30.5 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 7.47 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

Tgt Ion: 105 Resp: 2205325
 Ion Ratio Lower Upper
 105 100
 120 29.8 23.4 35.2
 91 13.4 10.4 15.6
 77 15.2 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 7.33 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

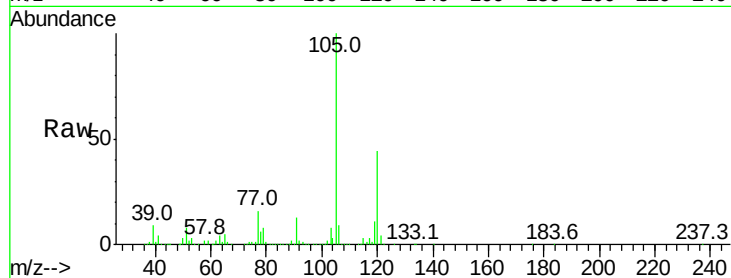
Acq: 1 Mar 2022 11:31

Tgt Ion:105 Resp: 1963838

Ion Ratio Lower Upper

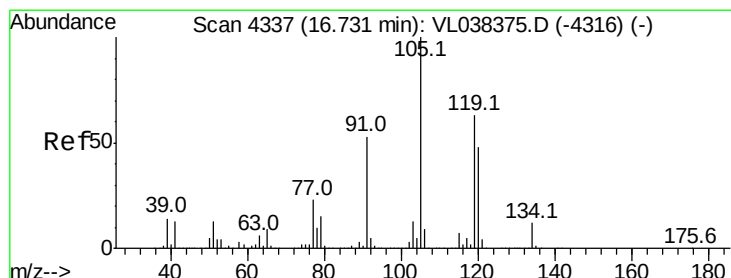
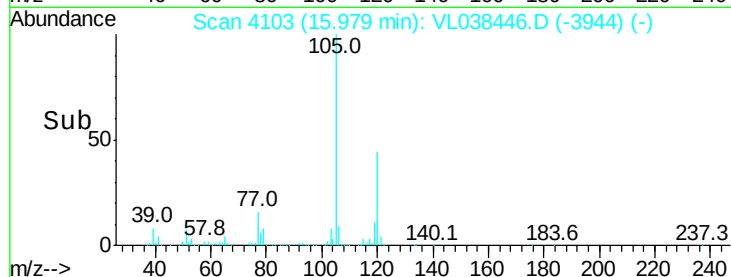
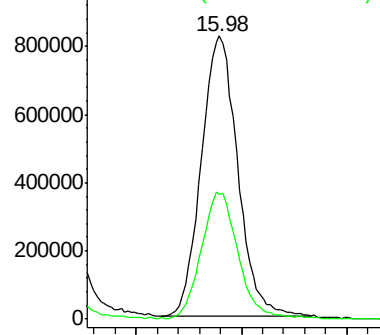
105 100

120 43.9 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.31 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.02 min

Lab File: VL038446.D

Acq: 1 Mar 2022 11:31

Tgt Ion:105 Resp: 2067296

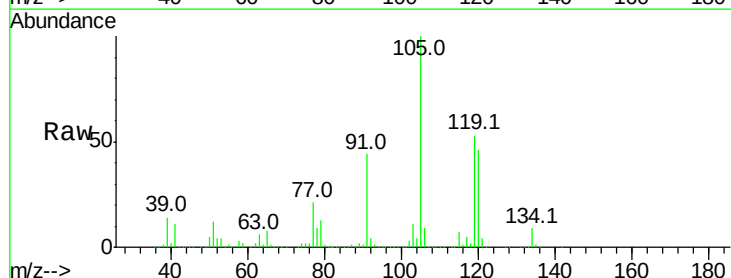
Ion Ratio Lower Upper

105 100

120 45.6 38.2 57.4

91 43.3 42.7 64.1

77 21.2 18.5 27.7

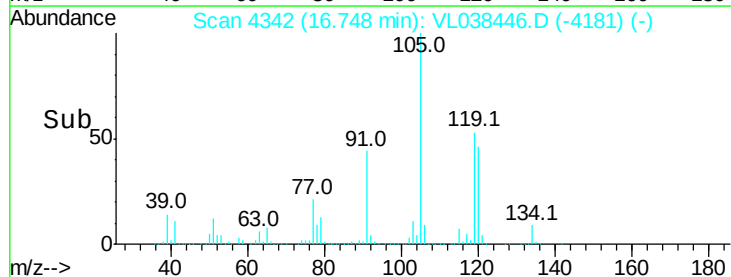
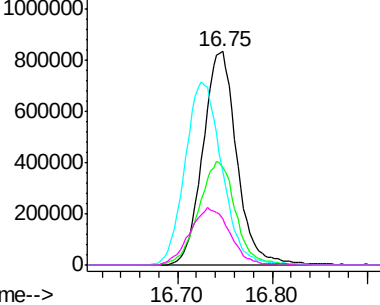


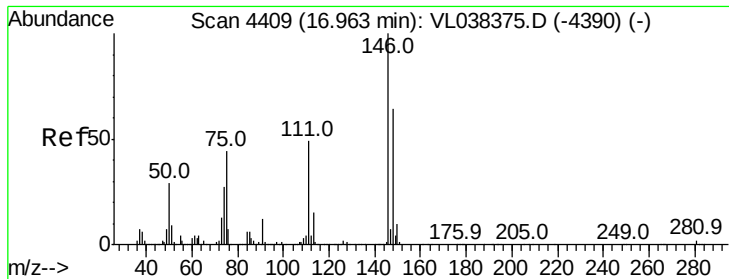
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 6.97 ppbv

RT: 16.97 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 11:31

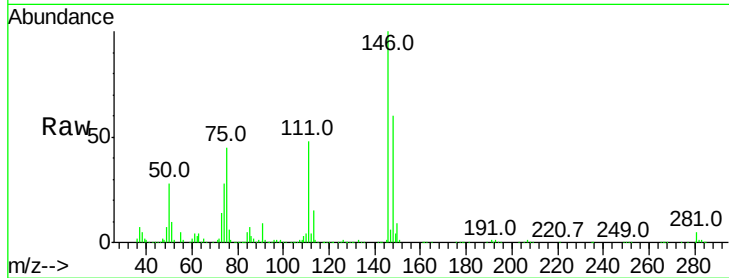
Tgt Ion:146 Resp: 1104218

Ion Ratio Lower Upper

146 100

111 48.8 24.3 72.9

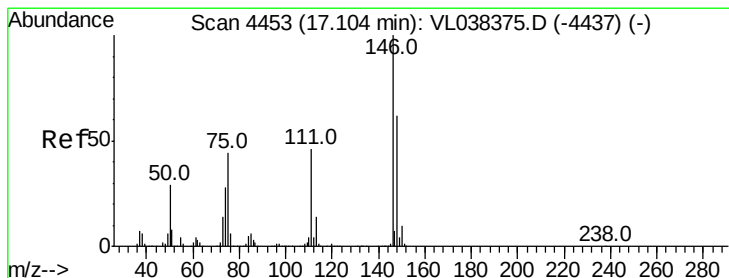
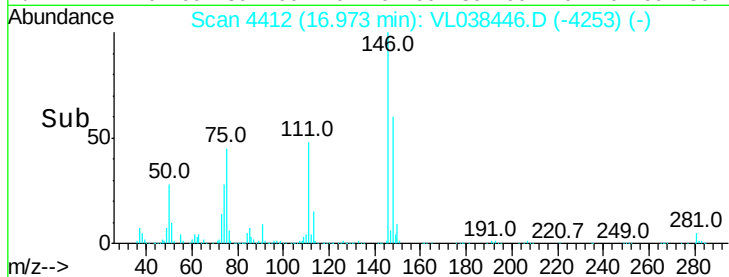
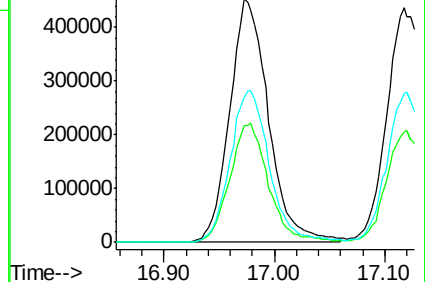
148 63.2 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.68 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.01 min

Lab File: VL038446.D

Acq: 1 Mar 2022 11:31

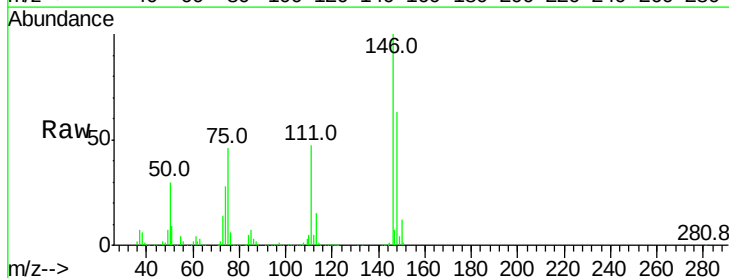
Tgt Ion:146 Resp: 1044537

Ion Ratio Lower Upper

146 100

111 49.2 24.1 72.2

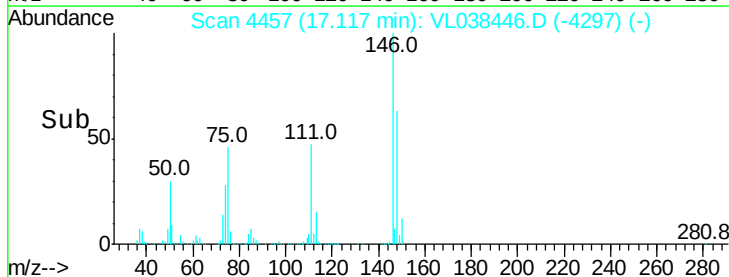
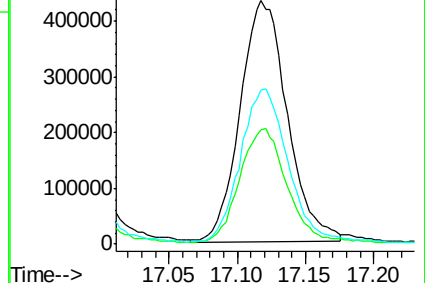
148 67.0 32.8 98.4

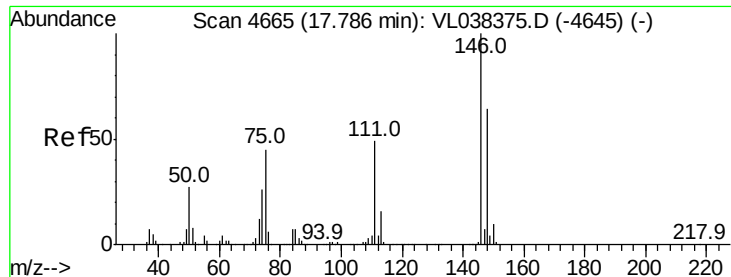


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

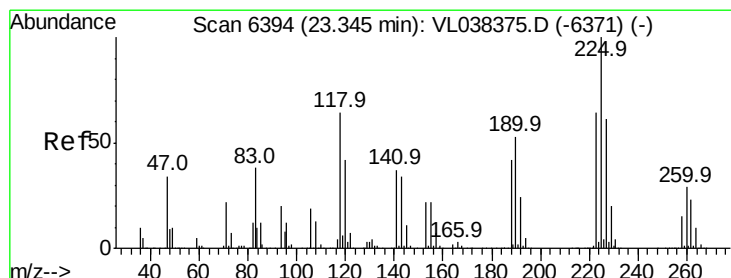
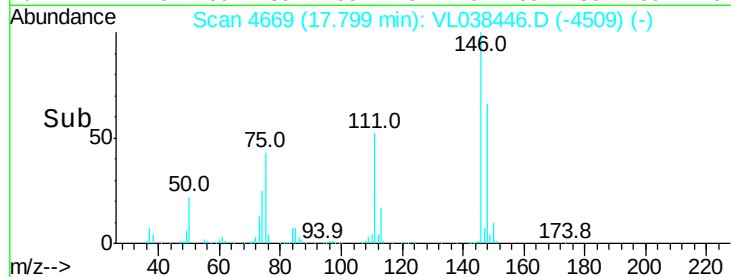
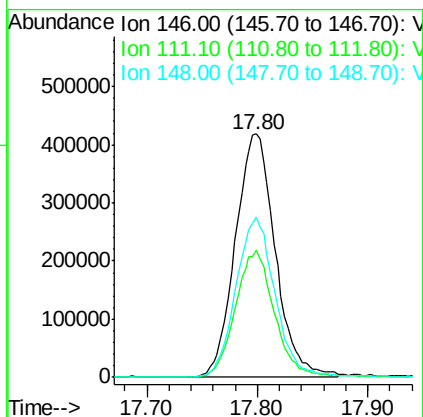
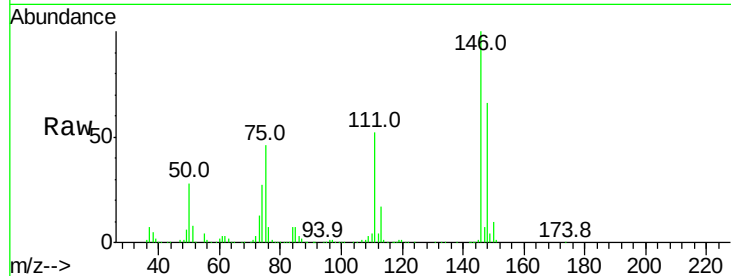




#77
 1,2-Dichlorobenzene
 Concen: 6.84 ppbv
 RT: 17.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled : VL0301ABS01
 Acq: 1 Mar 2022 11:31

Tgt Ion:146 Resp: 1042860

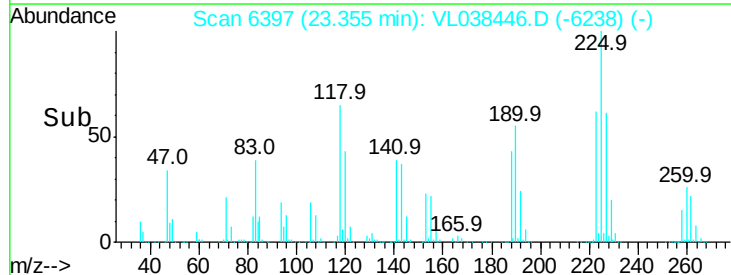
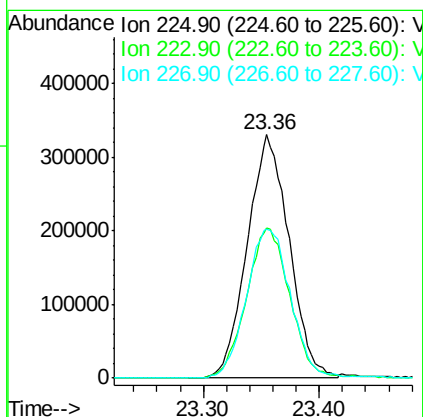
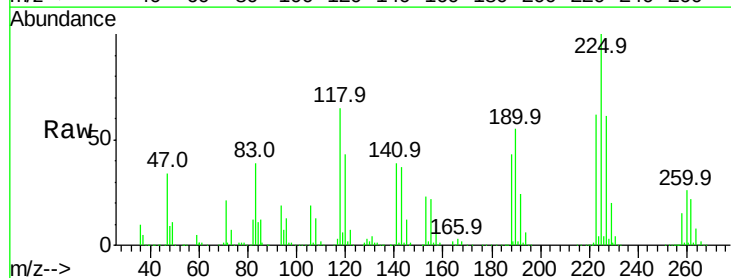
Ion	Ratio	Lower	Upper
146	100		
111	52.0	25.6	76.6
148	64.9	32.4	97.2

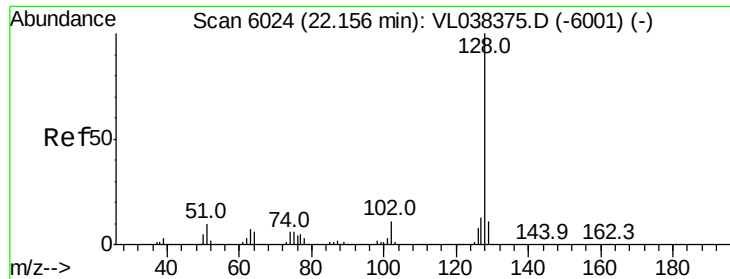


#78
 Hexachloro-1,3-Butadiene
 Concen: 7.13 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.01 min
 Lab File: VL038446.D
 Acq: 1 Mar 2022 11:31

Tgt Ion:225 Resp: 829111

Ion	Ratio	Lower	Upper
225	100		
223	64.5	52.0	78.0
227	65.4	51.6	77.4

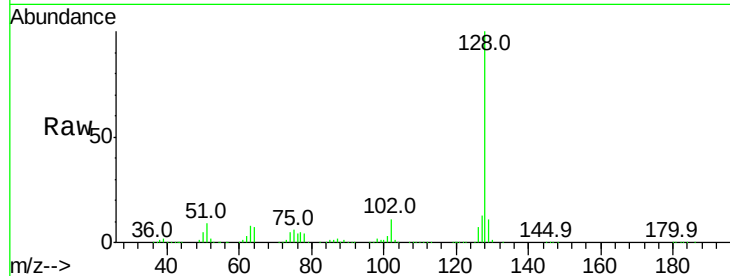




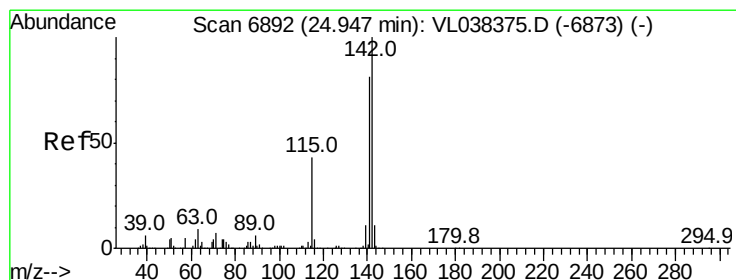
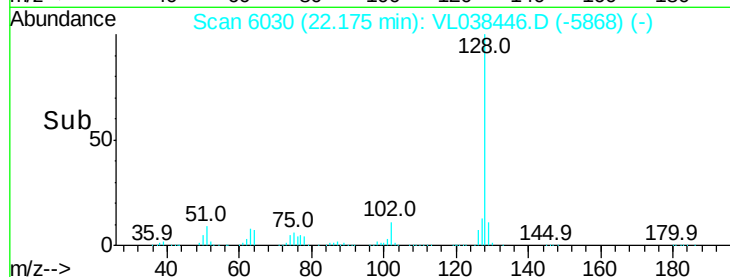
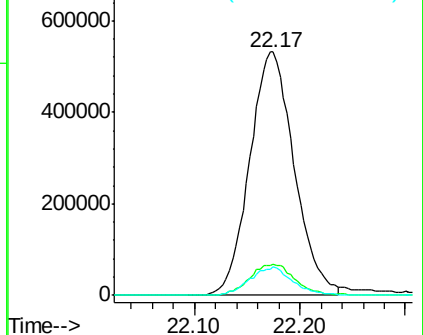
#79
Naphthalene
Concen: 10.19 ppbv
RT: 22.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0301ABS01
Acq: 1 Mar 2022 11:31

Tgt Ion:128 Resp: 1561635

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.5	8.8	13.2



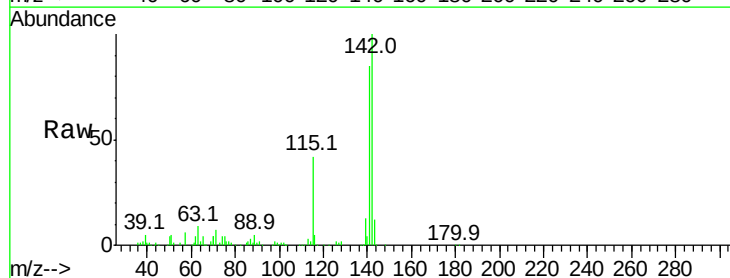
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



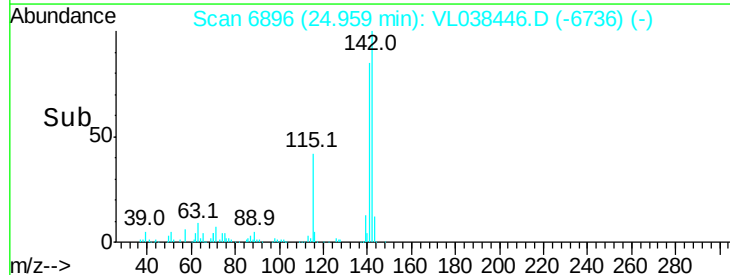
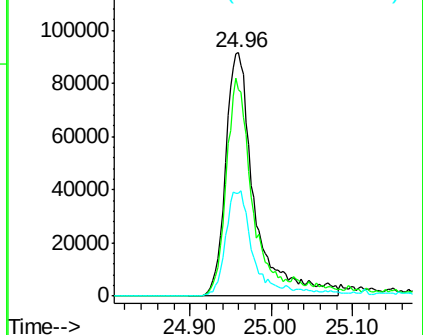
#80
Naphthalene, 2-methyl-
Concen: 7.66 ppbv
RT: 24.96 min Scan# 6896
Delta R.T.: 0.01 min
Lab File: VL038446.D
Acq: 1 Mar 2022 11:31

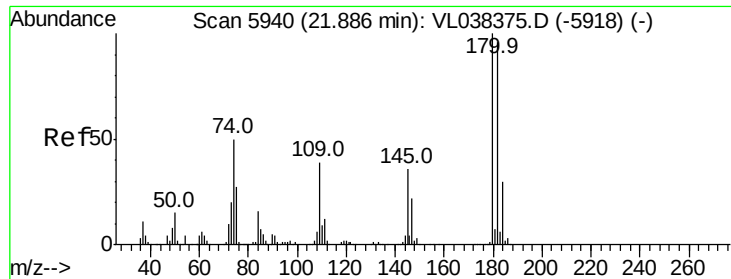
Tgt Ion:142 Resp: 229387

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.8	104.6
115	42.1	33.0	49.6

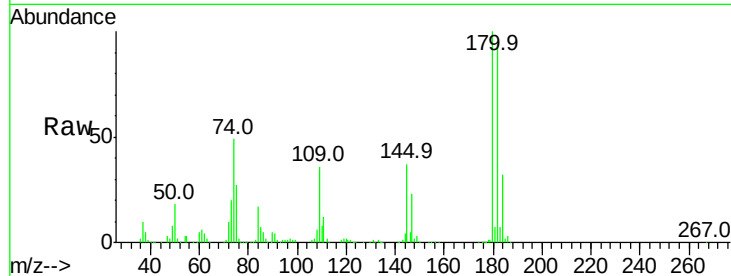


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.08 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId : VL0301ABS01
 Acq: 1 Mar 2022 11:31



Tgt Ion:	180	Resp:	841876
Ion Ratio	Lower	Upper	
180	100		
182	96.9	77.4	116.2
184	31.7	24.9	37.3

