

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
 Data File : VL039403.D
 Acq On : 29 Jun 2022 19:36
 Operator : SY/AP
 Sample : VL0629ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Quant Time: Jun 30 05:42:15 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 05:40:11 2022
 QLast Update : Thu Jun 30 05:40:11 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1296279	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3566285	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4200150	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2579994	8.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1720709	9.20	ppbv	99
3) Chlorodifluoromethane	2.98	51	1428799	8.69	ppbv	100
4) Chloromethane	3.14	50	785041	8.73	ppbv	98
5) Vinyl Chloride	3.25	62	755769	8.52	ppbv	96
6) Bromomethane	3.47	94	335002	8.97	ppbv	93
7) Chloroethane	3.55	64	271111	8.59	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1837598	9.00	ppbv	100
9) Propene	3.01	41	623152	8.39	ppbv	98
10) Heptane	8.11	43	1644782	9.46	ppbv	99
11) Trichlorofluoromethane	3.94	101	1847948	8.87	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1373009	8.84	ppbv	99
13) Ethanol	3.59	45	14771	3.43	ppbv #	32
14) Bromoethene	3.73	108	581983	8.91	ppbv	99
15) Acetone	3.84	43	1324865	8.64	ppbv	99
16) 1,3-Butadiene	3.32	39	712336	8.95	ppbv	99
17) tert-Butyl alcohol	4.27	59	1309340	10.06	ppbv	99
18) 1,1-Dichloroethene	4.28	96	615136	8.74	ppbv	98
19) Isopropyl Alcohol	3.95	45	730694	8.93	ppbv #	97
20) Methylene Chloride	4.33	84	528271	8.64	ppbv	95
21) Allyl Chloride	4.40	41	964709	9.08	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	623661	9.16	ppbv	97
23) Vinyl Acetate	5.06	43	1010851	9.86	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1361625	9.41	ppbv	98
25) Ethyl Acetate	5.66	43	2980270	9.48	ppbv	99
26) Hexane	5.67	57	1246551	9.83	ppbv	99
27) Carbon Disulfide	4.54	76	1552385	10.15	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1309773	9.66	ppbv	97
29) Chloroform	5.74	83	1984242	9.00	ppbv	98
30) Cyclohexane	7.12	84	1069979	9.27	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1237728	9.20	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2026787	9.32	ppbv	99
34) 2-Butanone	5.23	43	1733228	9.65	ppbv	100
35) Carbon Tetrachloride	7.01	117	2156157	9.78	ppbv	98
36) Benzene	6.88	78	2622489	9.50	ppbv	96
37) 1,2-Dichloroethane	6.29	62	1544339	9.48	ppbv	100
38) Trichloroethene	7.82	130	1407284	9.43	ppbv	100
39) 1,2-Dichloropropane	7.60	63	987839	9.58	ppbv	95
40) 1,4-Dioxane	7.82	88	302392	7.36	ppbv #	1
41) Tetrahydrofuran	6.03	42	1022781	9.83	ppbv	99
42) Bromodichloromethane	7.78	83	2160466	9.84	ppbv	100
43) Methyl Methacrylate	8.00	69	1061252	10.11	ppbv	99

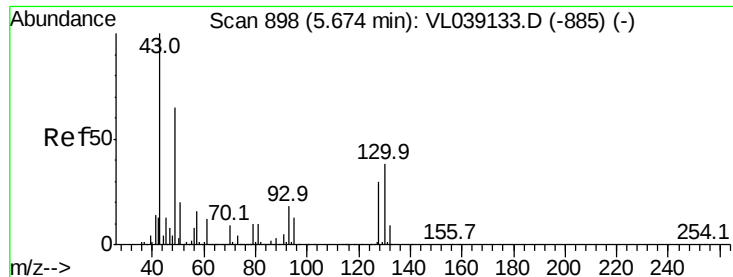
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 05:40:11 2022
 QLast Update : Thu Jun 30 05:40:11 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4350735	9.30	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1097889	11.75	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1411638	10.98	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1094939	9.46	ppbv	97
48) Dibromochloromethane	10.29	129	1958128	10.65	ppbv	99
49) Bromoform	13.03	173	1635364	11.02	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2757305	10.16	ppbv	99
51) 2-Hexanone	10.11	43	2138669	10.42	ppbv	100
52) Tetrachloroethene	11.20	164	1025905	9.23	ppbv	98
53) Toluene	9.79	91	3167300	9.95	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1452641	10.09	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1421065	7.66	ppbv	95
57) Chlorobenzene	12.13	112	2442108	7.50	ppbv	97
58) Ethyl Benzene	12.69	91	4232284	7.80	ppbv	99
59) m/p-Xylene	12.98	91	3599708	7.53	ppbv #	28
60) o-Xylene	13.68	91	3529932	7.80	ppbv	100
61) Styrene	13.51	104	2084017	8.50	ppbv	99
62) Isopropylbenzene	14.65	105	5200500	7.54	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1686001	7.10	ppbv	100
64) n-propylbenzene	15.55	120	1373095	7.86	ppbv	100
65) tert-Butylbenzene	16.73	119	4763116	7.48	ppbv	100
66) Benzyl Chloride	16.97	91	534860	8.83	ppbv	100
67) sec-Butylbenzene	17.28	105	6523122	7.60	ppbv	100
69) p-Isopropyltoluene	17.64	119	5618096	7.72	ppbv	100
70) n-Butylbenzene	18.53	91	5517914	7.81	ppbv	100
71) 2-Chlorotoluene	15.43	91	3826156	7.75	ppbv	100
72) 4-Ethyltoluene	15.82	105	4277131	8.03	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3855150	7.89	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	4181533	7.73	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	2472292	7.66	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2382915	7.45	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2394190	7.49	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1731245	6.73	ppbv	99
79) Naphthalene	22.17	128	3357598	9.02	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	1200404	9.48	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	1931152	7.97	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Jun 2022 19:30 VL0629ABS01

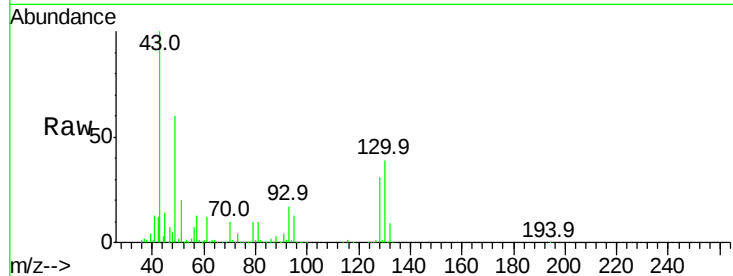
Tgt Ion: 49 Resp: 1296279

Ion Ratio Lower Upper

49 100

128 52.5 26.7 80.0

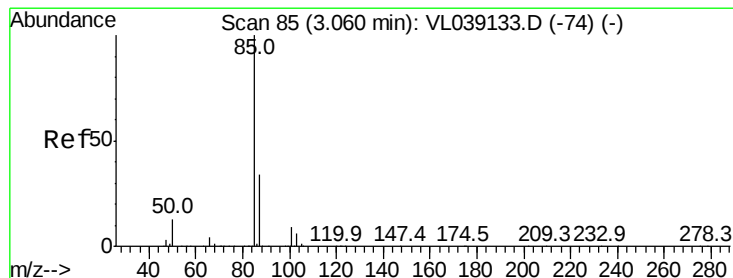
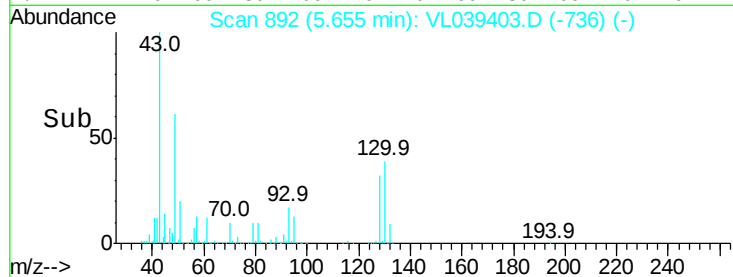
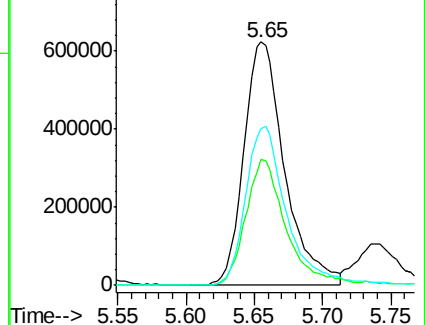
130 67.1 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.20 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL039403.D

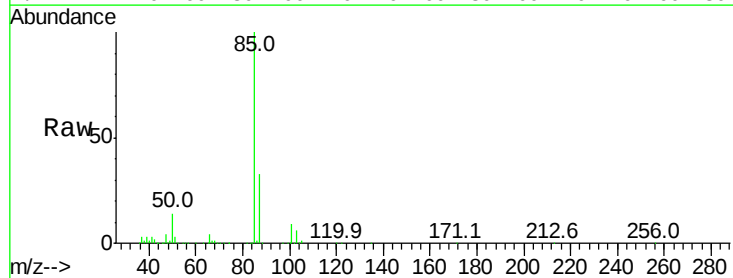
Acq: 29 Jun 2022 19:36

Tgt Ion: 85 Resp: 1720709

Ion Ratio Lower Upper

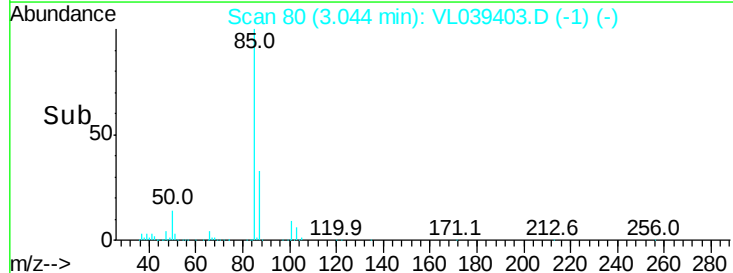
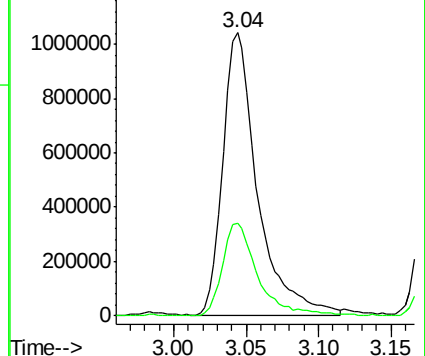
85 100

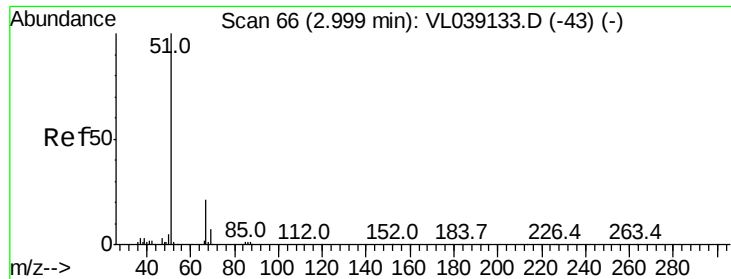
87 32.7 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

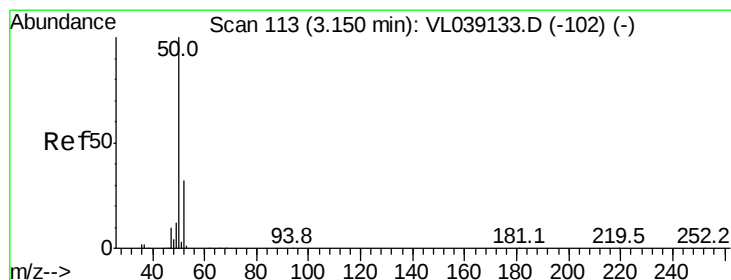
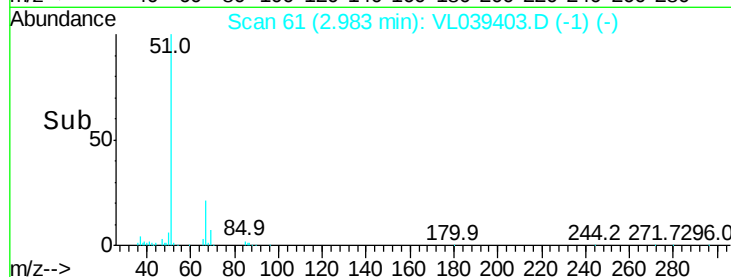
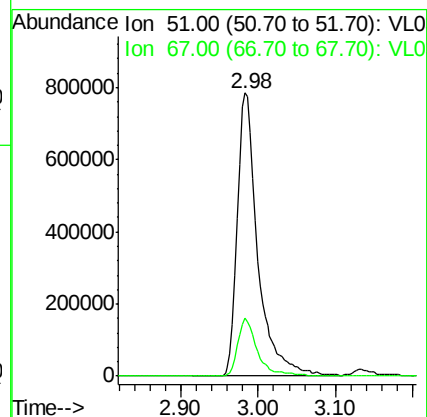
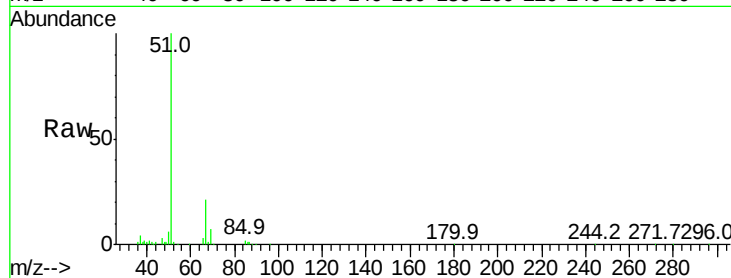
Ion 87.00 (86.70 to 87.70): VL0





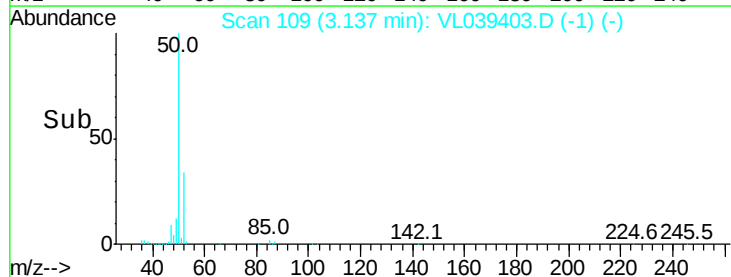
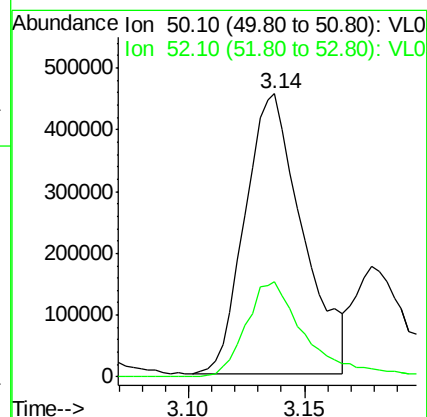
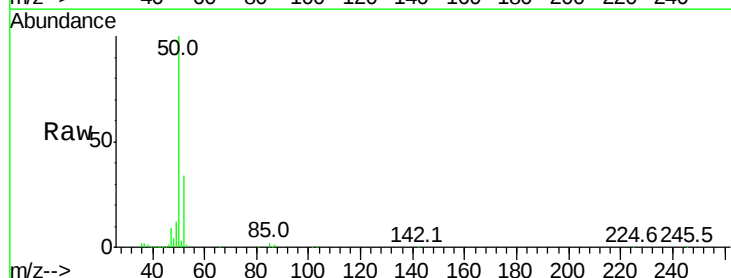
#3
Chlorodifluoromethane
Concen: 8.69 ppbv
RT: 2.98
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0629ABS01
Acq: 29 Jun 2022 19:30

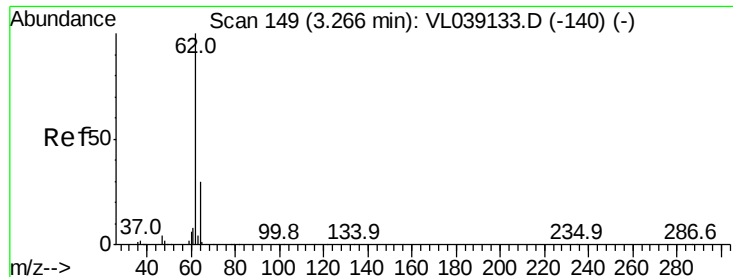
Tgt Ion: 51 Resp: 1428799
Ion Ratio Lower Upper
51 100
67 19.7 15.7 23.5



#4
Chloromethane
Concen: 8.73 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.01 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

Tgt Ion: 50 Resp: 785041
Ion Ratio Lower Upper
50 100
52 34.0 26.5 39.7





#5

Vinyl Chloride

Concen: 8.52 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

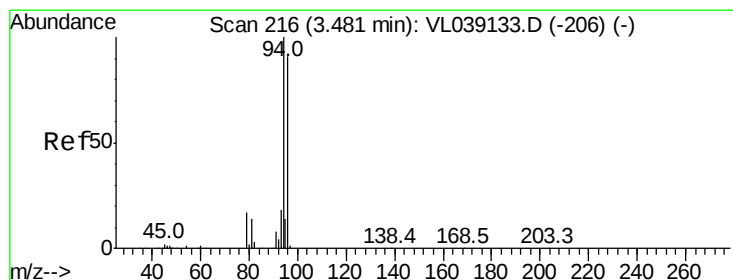
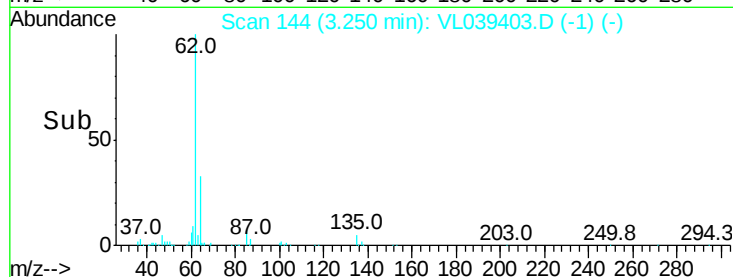
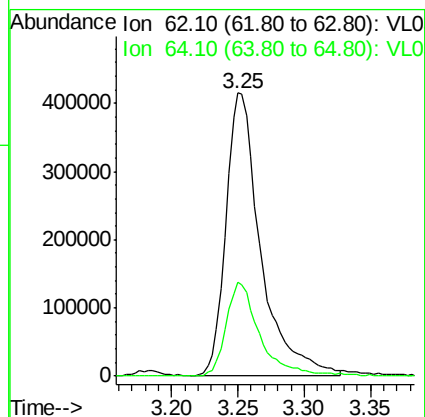
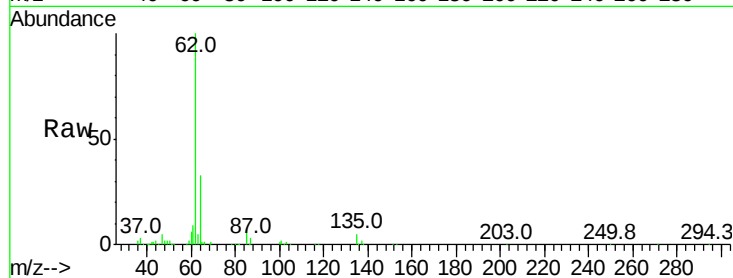
Acq: 29 Jun 2022 19:36 VL0629ABS01

Tgt Ion: 62 Resp: 755769

Ion Ratio Lower Upper

62 100

64 33.0 24.6 36.8



#6

Bromomethane

Concen: 8.97 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL039403.D

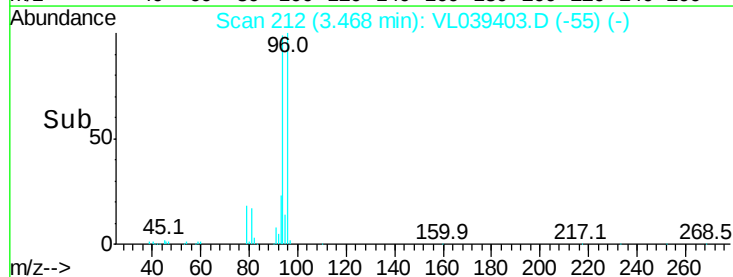
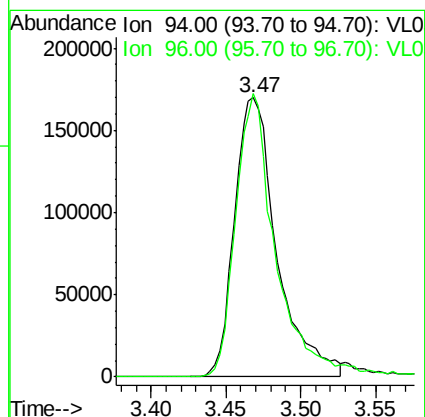
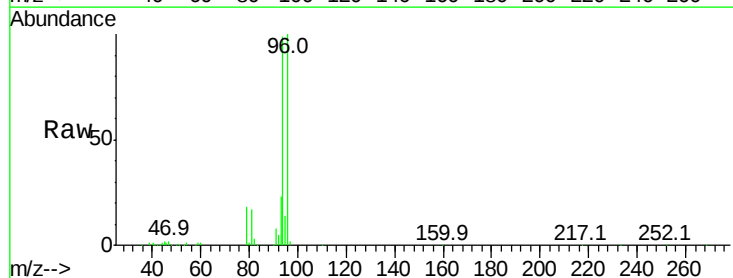
Acq: 29 Jun 2022 19:36

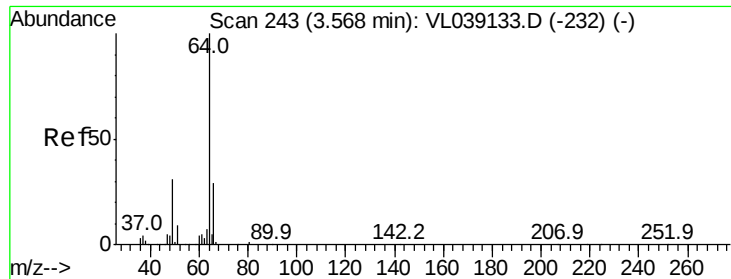
Tgt Ion: 94 Resp: 335002

Ion Ratio Lower Upper

94 100

96 101.4 75.6 113.4





#7

Chloroethane

Concen: 8.59 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

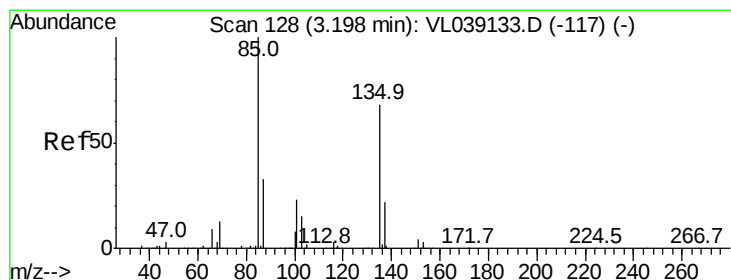
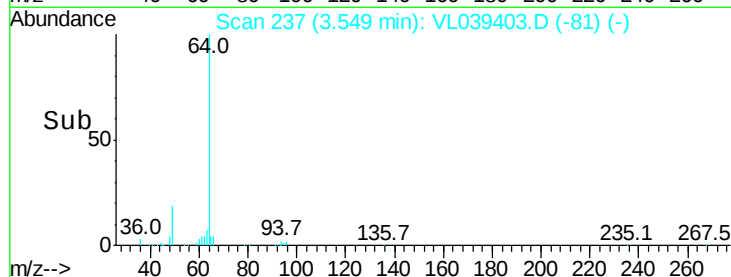
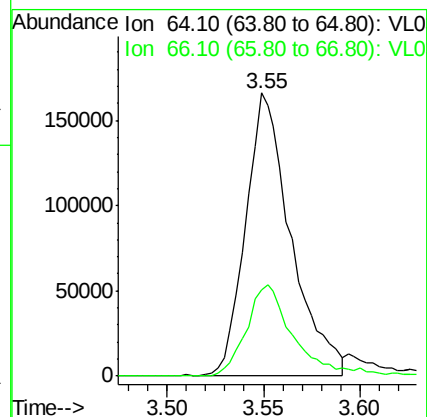
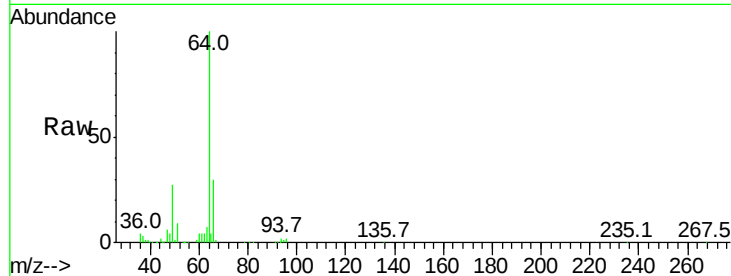
Acq: 29 Jun 2022 19:30 VL0629ABS01

Tgt Ion: 64 Resp: 271111

Ion Ratio Lower Upper

64 100

66 30.4 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.00 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL039403.D

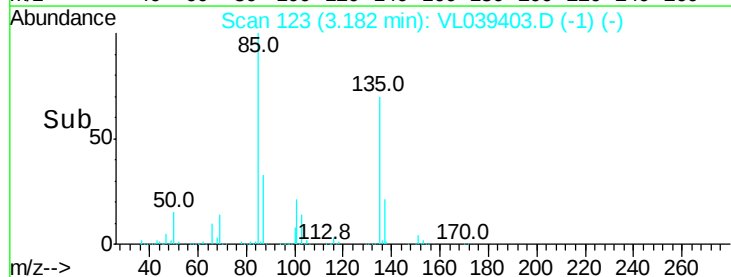
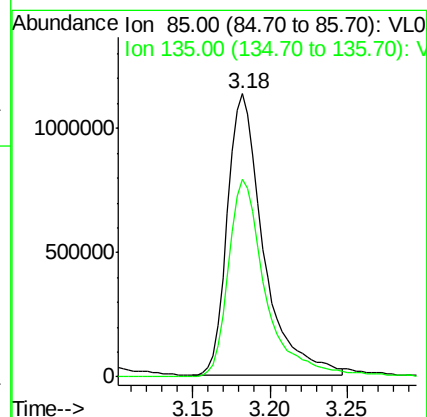
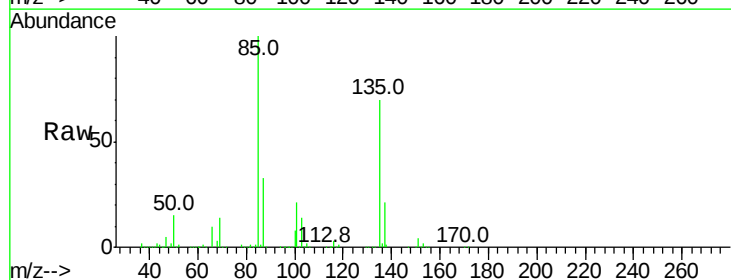
Acq: 29 Jun 2022 19:36

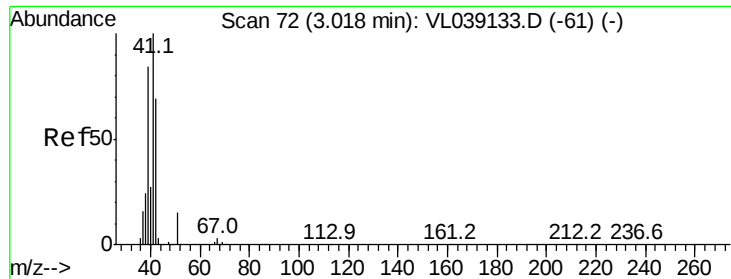
Tgt Ion: 85 Resp: 1837598

Ion Ratio Lower Upper

85 100

135 73.4 59.0 88.4





#9

Propene

Concen: 8.39 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

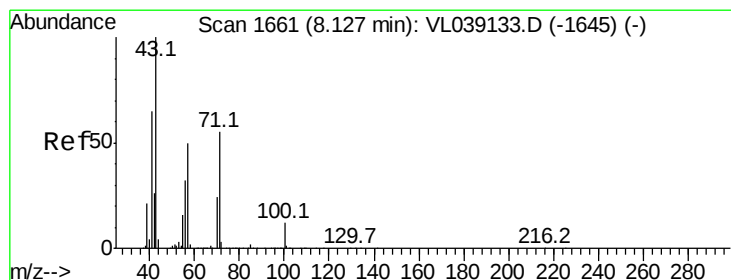
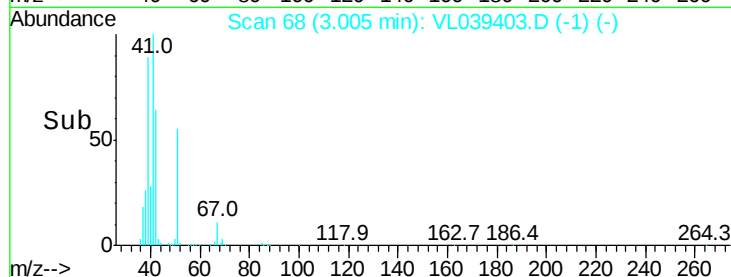
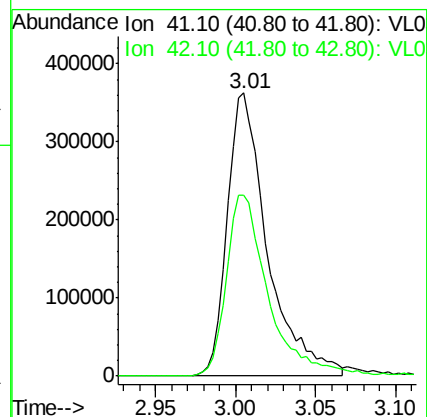
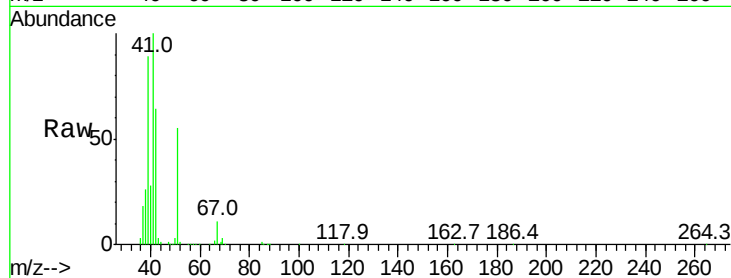
Acq: 29 Jun 2022 19:30

Tgt Ion: 41 Resp: 623152

Ion Ratio Lower Upper

41 100

42 67.7 55.2 82.8



#10

Heptane

Concen: 9.46 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VL039403.D

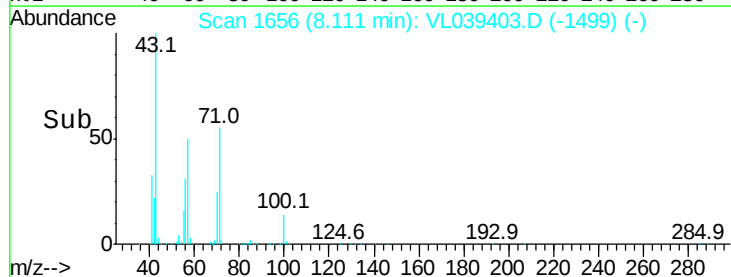
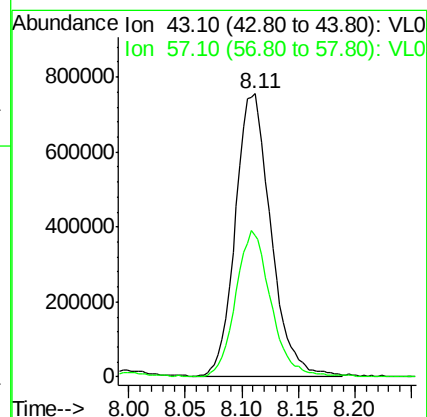
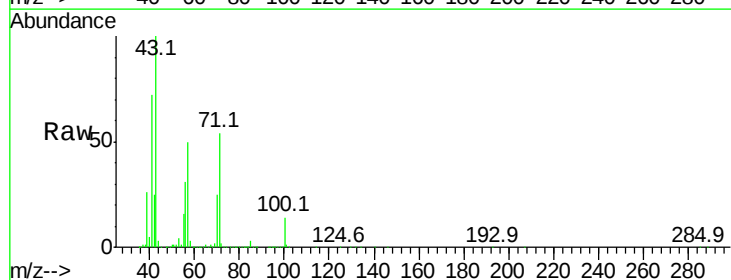
Acq: 29 Jun 2022 19:36

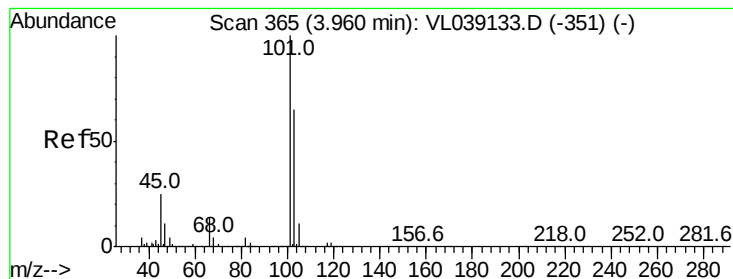
Tgt Ion: 43 Resp: 1644782

Ion Ratio Lower Upper

43 100

57 51.6 40.5 60.7





#11

Trichlorofluoromethane

Concen: 8.87 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

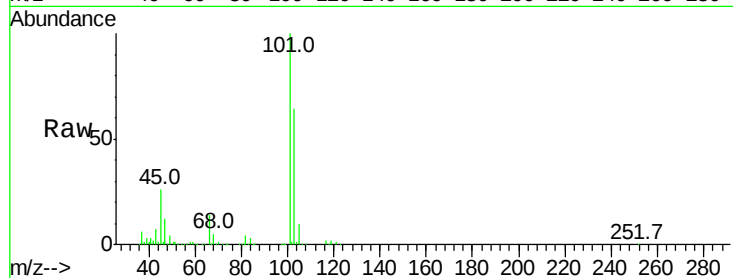
Acq: 29 Jun 2022 19:30 VL0629ABS01

Tgt Ion:101 Resp: 1847948

Ion Ratio Lower Upper

101 100

103 63.7 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1000000

800000

600000

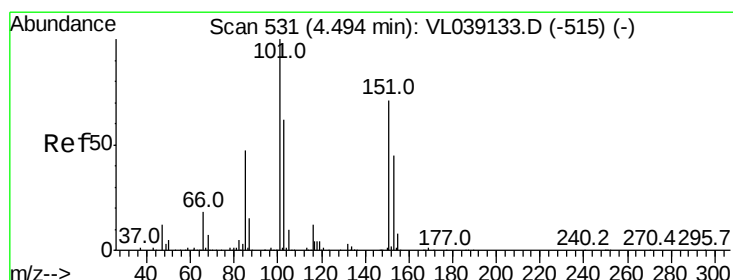
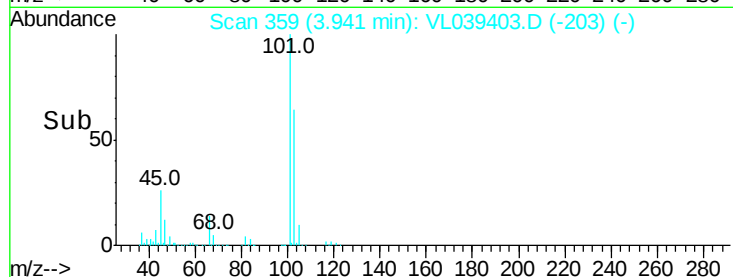
400000

200000

0

3.85 3.90 3.95 4.00 4.05

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.84 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL039403.D

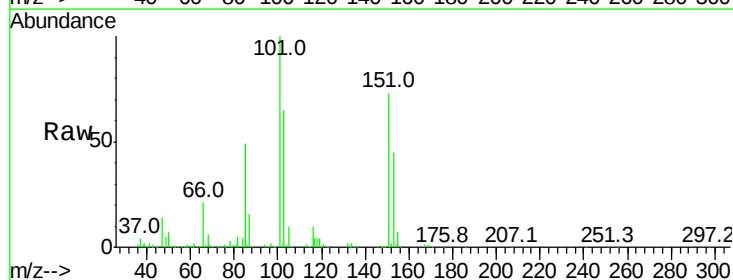
Acq: 29 Jun 2022 19:36

Tgt Ion:101 Resp: 1373009

Ion Ratio Lower Upper

101 100

151 73.1 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

600000

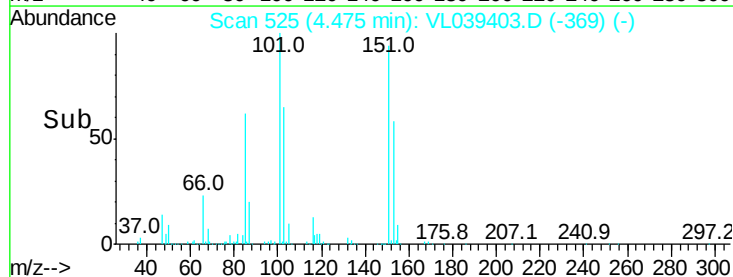
400000

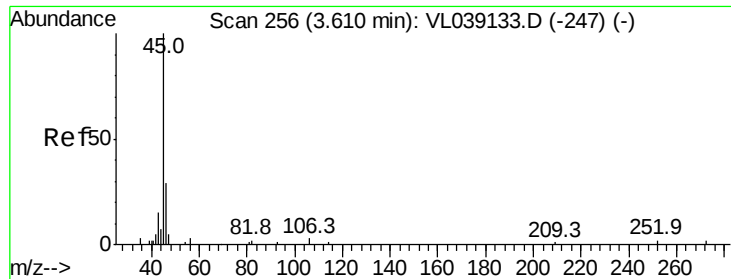
200000

0

4.40 4.45 4.50 4.55 4.60

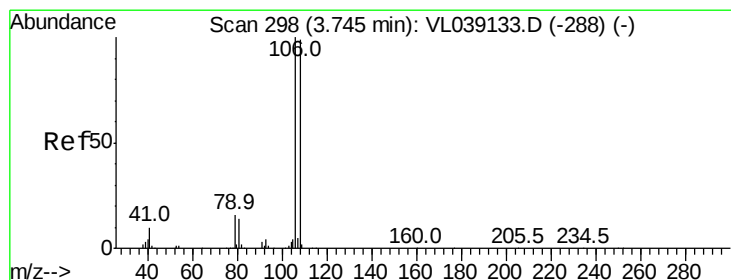
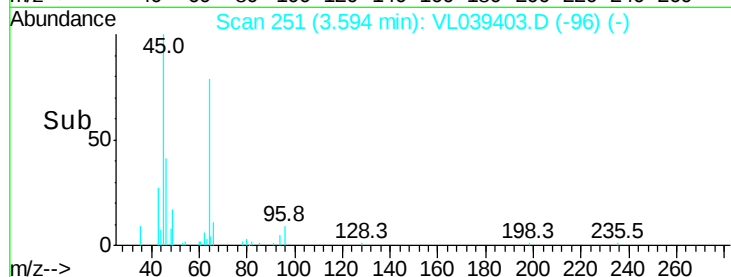
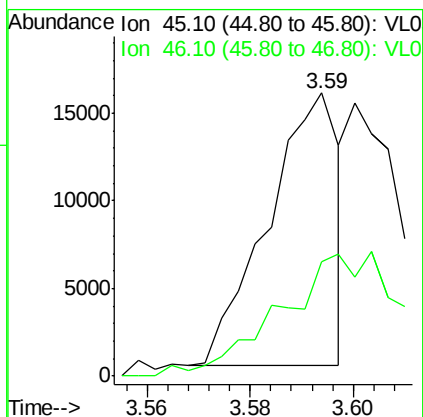
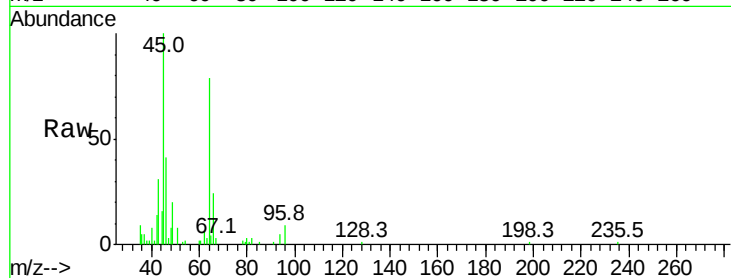
Time-->





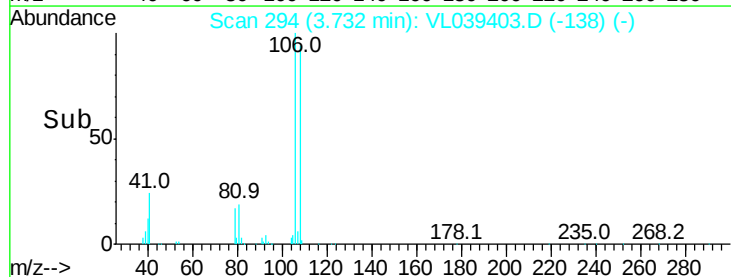
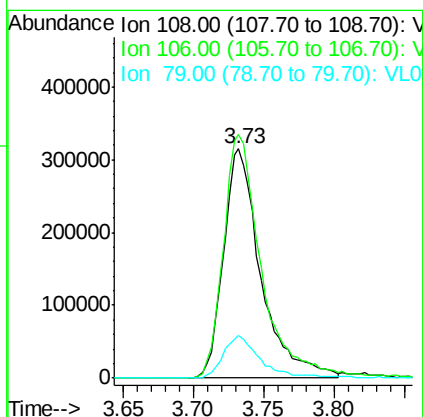
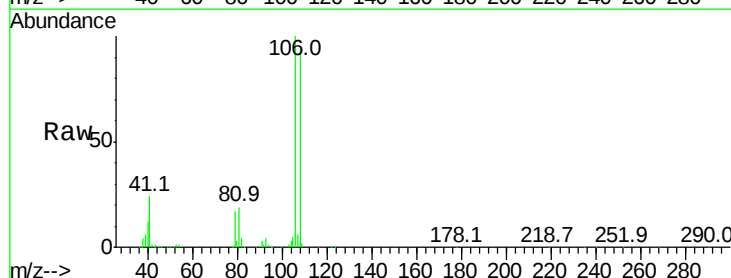
#13
Ethanol
Concen: 3.43 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
VL0629ABS01
Acq: 29 Jun 2022 19:30

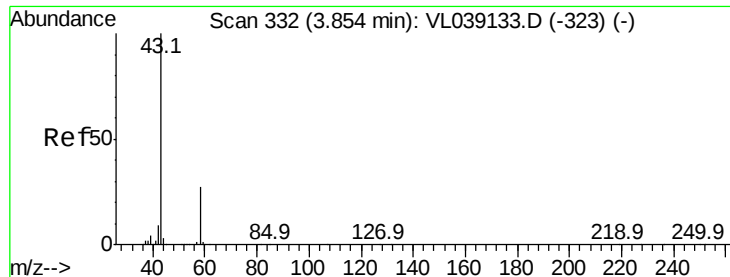
Tgt Ion: 45 Resp: 14771
Ion Ratio Lower Upper
45 100
46 106.9 22.8 91.2#



#14
Bromoethene
Concen: 8.91 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.00 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

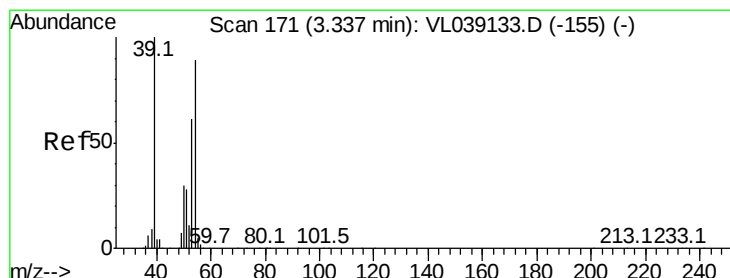
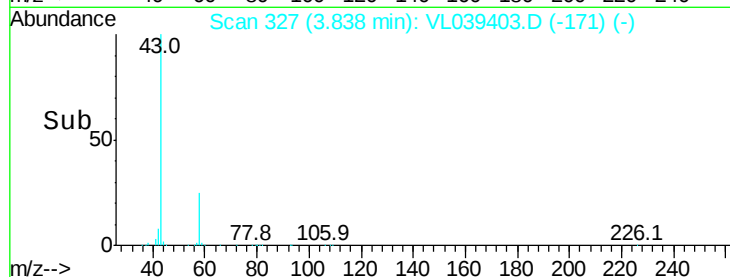
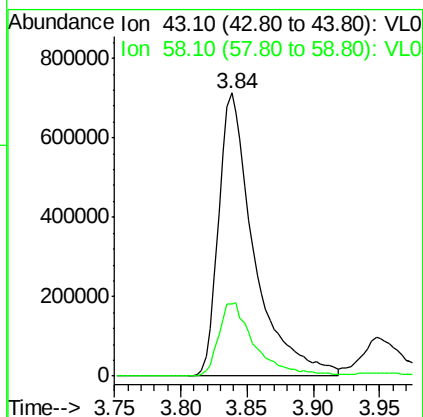
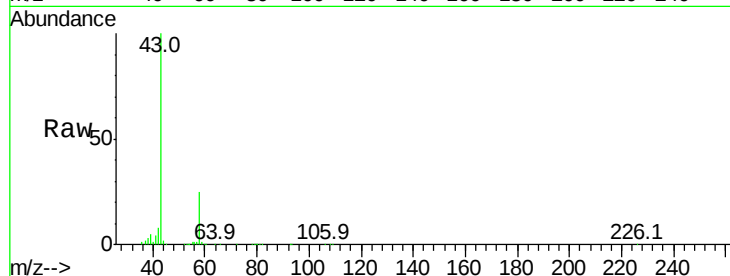
Tgt Ion: 108 Resp: 581983
Ion Ratio Lower Upper
108 100
106 110.3 87.1 130.7
79 19.1 14.6 22.0





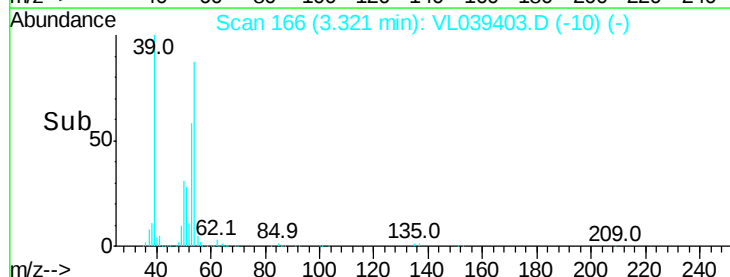
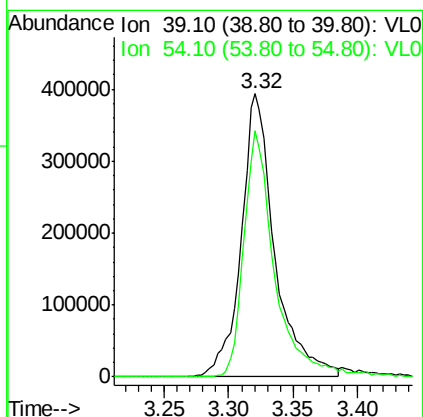
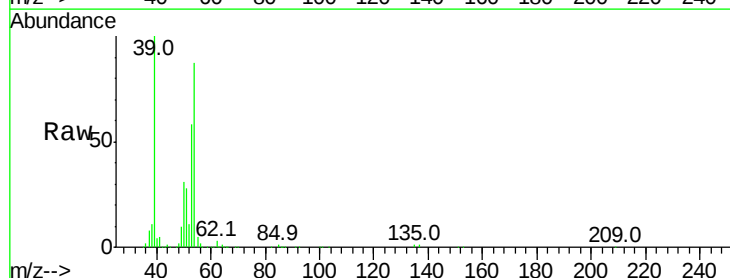
#15
Acetone
Concen: 8.64 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0629ABS01
Acq: 29 Jun 2022 19:30

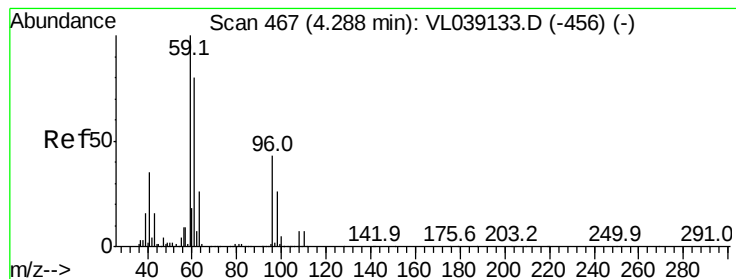
Tgt Ion: 43 Resp: 1324865
Ion Ratio Lower Upper
43 100
58 26.7 21.0 31.6



#16
1,3-Butadiene
Concen: 8.95 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

Tgt Ion: 39 Resp: 712336
Ion Ratio Lower Upper
39 100
54 80.7 63.7 95.5





#17

tert-Butyl alcohol

Concen: 10.06 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

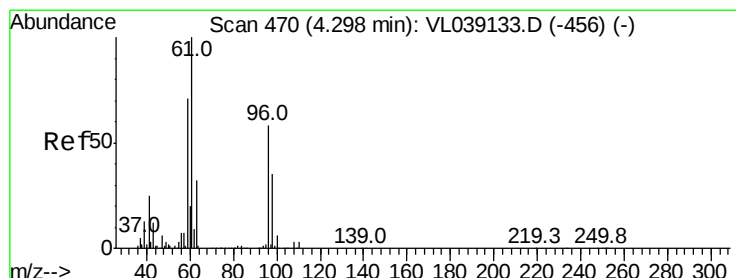
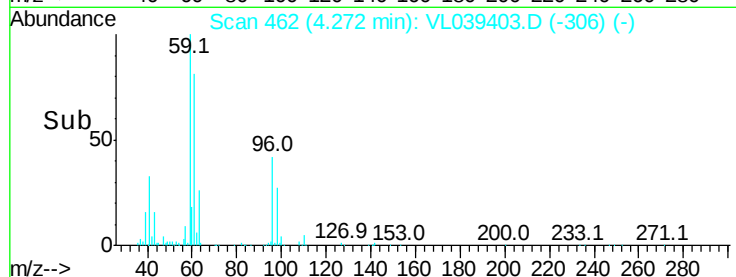
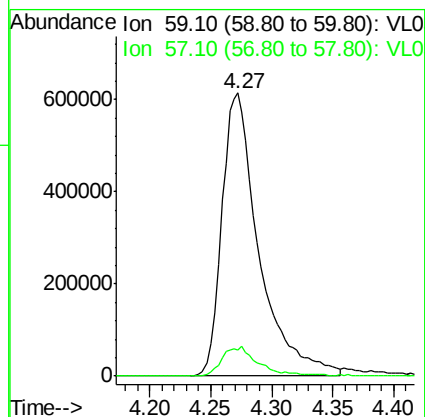
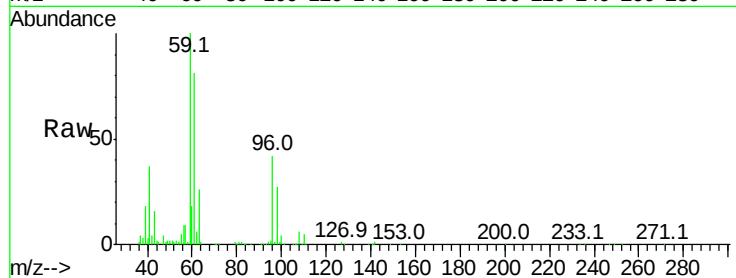
Acq: 29 Jun 2022 19:30 VL0629ABS01

Tgt Ion: 59 Resp: 1309340

Ion Ratio Lower Upper

59 100

57 10.5 8.7 13.1



#18

1,1-Dichloroethene

Concen: 8.74 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

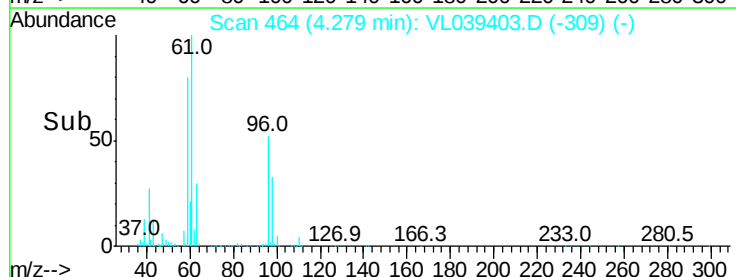
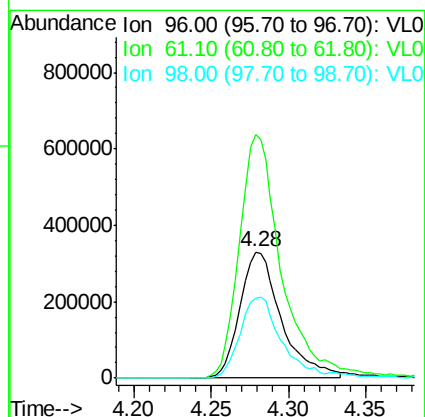
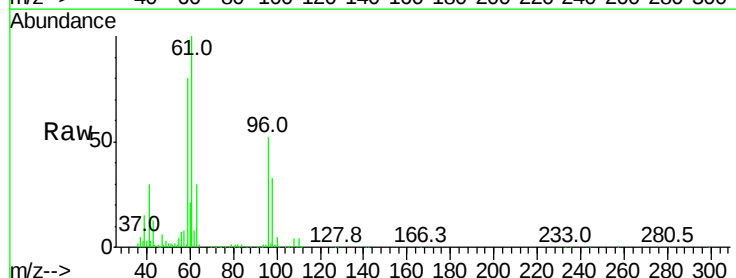
Tgt Ion: 96 Resp: 615136

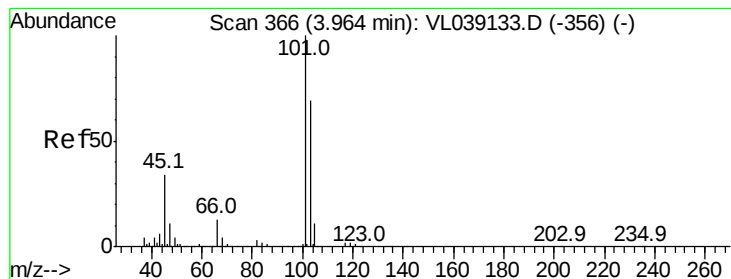
Ion Ratio Lower Upper

96 100

61 193.4 152.2 228.4

98 63.3 51.8 77.6





#19

Isopropyl Alcohol

Concen: 8.93 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

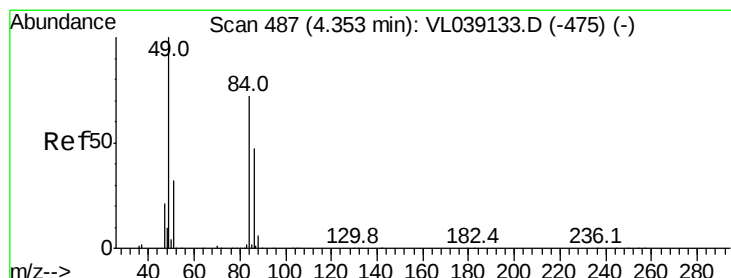
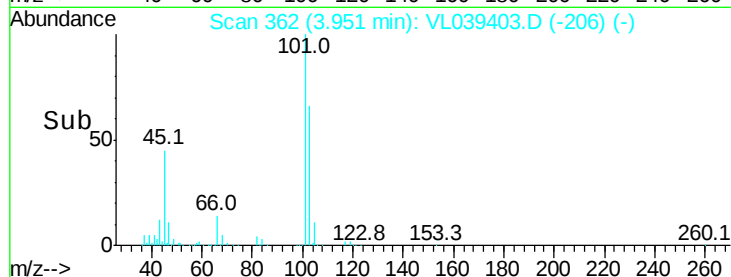
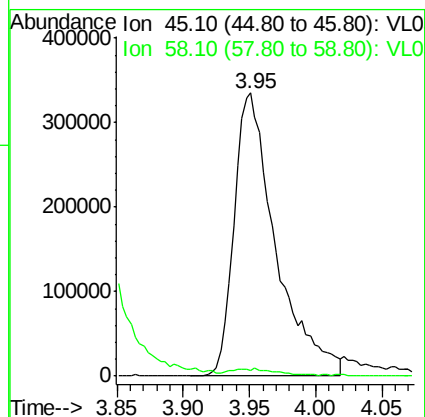
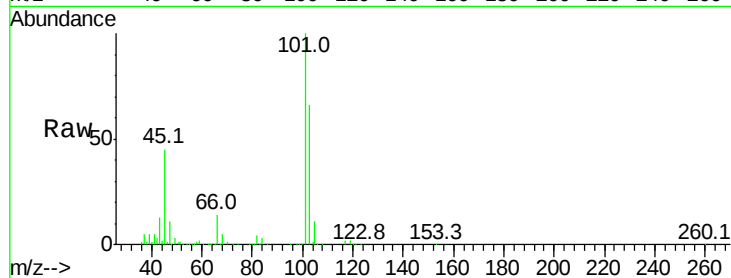
Acq: 29 Jun 2022 19:30 VL0629ABS01

Tgt Ion: 45 Resp: 730694

Ion Ratio Lower Upper

45 100

58 3.0 3.2 4.8#



#20

Methylene Chloride

Concen: 8.64 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

Tgt Ion: 84 Resp: 528271

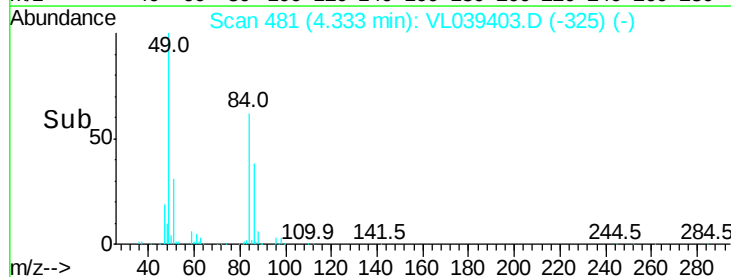
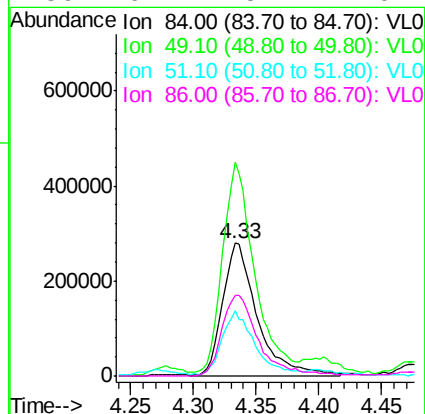
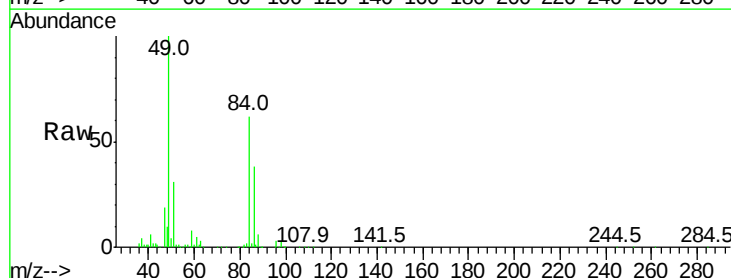
Ion Ratio Lower Upper

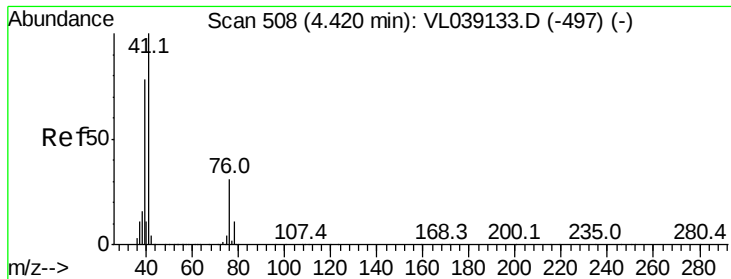
84 100

49 159.2 123.1 184.7

51 48.0 34.4 51.6

86 61.1 51.1 76.7





#21

Allyl Chloride

Concen: 9.08 ppbv

RT: 4.40

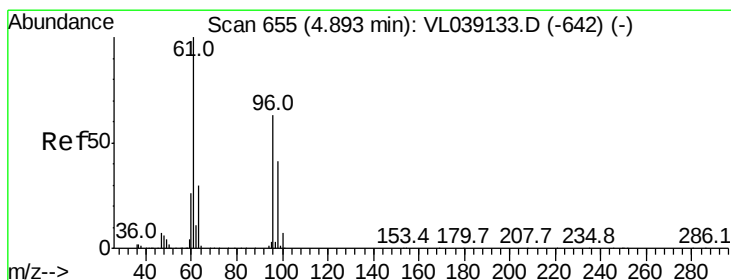
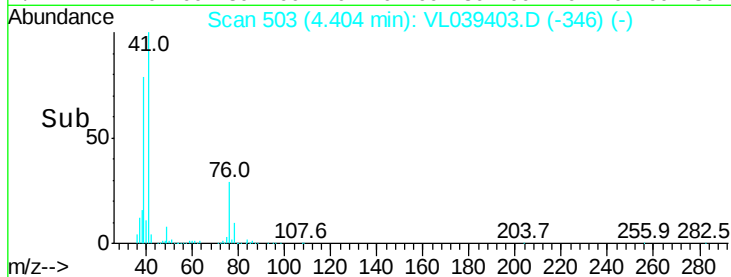
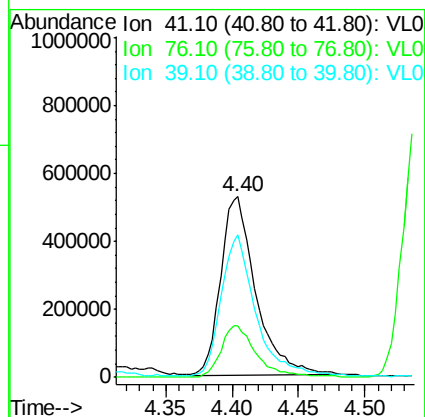
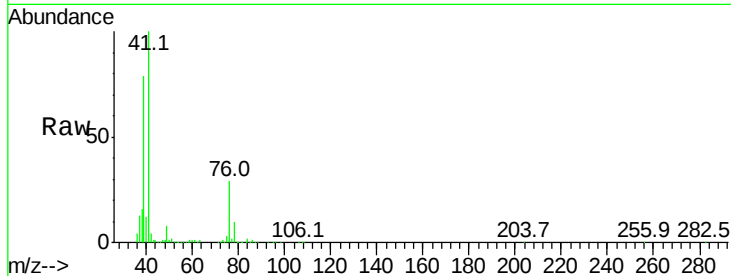
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VL0629ABS01

Acq: 29 Jun 2022 19:30

Tgt Ion: 41 Resp: 964709

Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.4	36.6
39	79.0	63.5	95.3



#22

trans-1,2-Dichloroethene

Concen: 9.16 ppbv

RT: 4.87 min Scan# 649

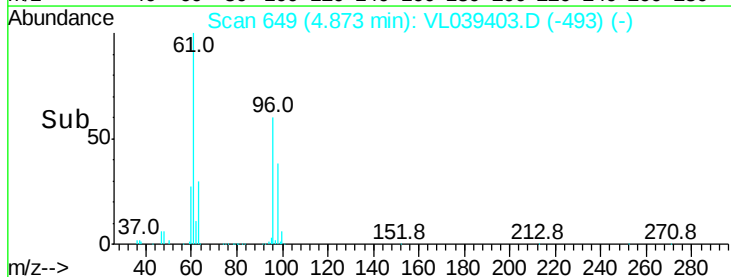
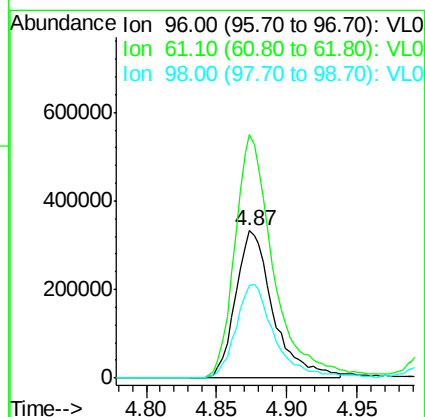
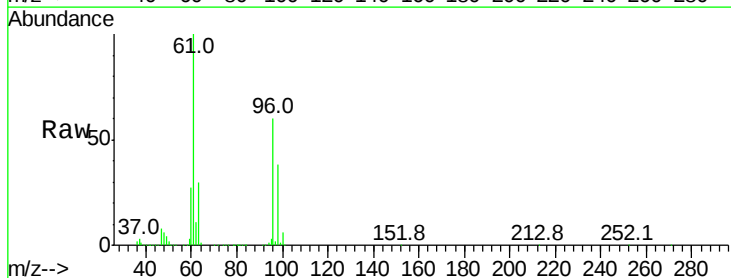
Delta R.T. 0.00 min

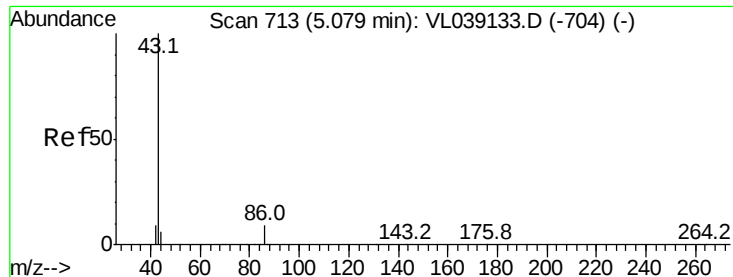
Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

Tgt Ion: 96 Resp: 623661

Ion	Ratio	Lower	Upper
96	100		
61	165.5	130.6	195.8
98	62.6	53.4	80.0





#23

Vinyl Acetate

Concen: 9.86 ppbv

RT: 5.06 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0629ABS01

Acq: 29 Jun 2022 19:30

Tgt Ion: 43 Resp: 1010851

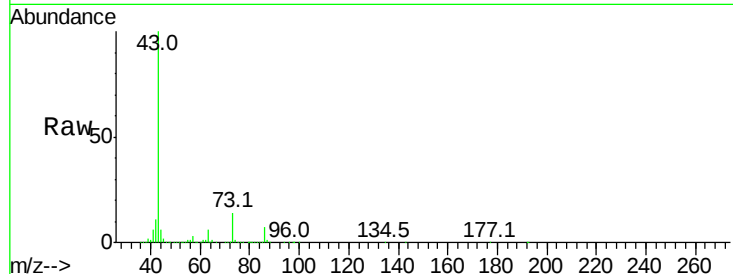
Ion Ratio Lower Upper

43 100

86 7.4 5.0 7.6

42 10.7 7.7 11.5

44 4.9 4.6 7.0

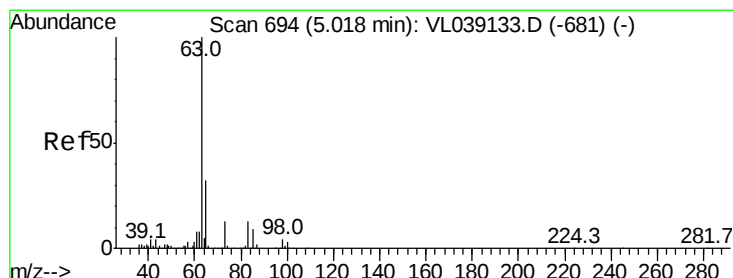
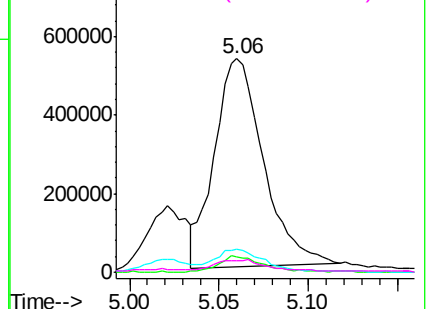
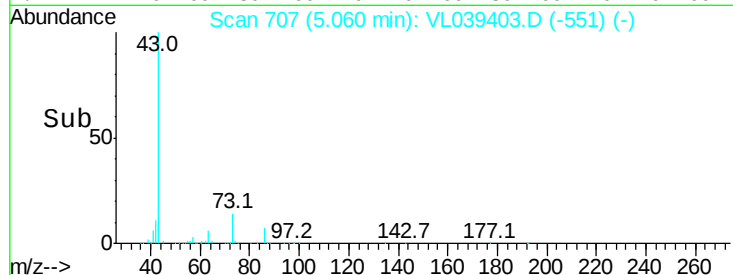


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.41 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

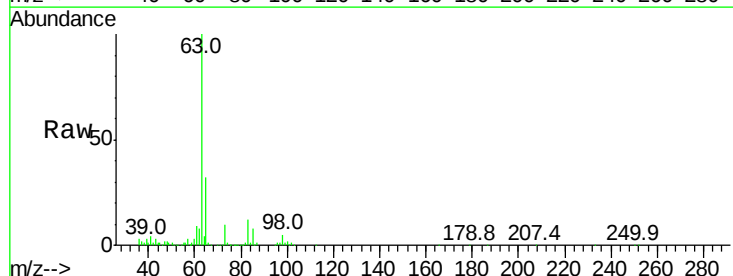
Tgt Ion: 63 Resp: 1361625

Ion Ratio Lower Upper

63 100

98 4.4 1.8 5.3

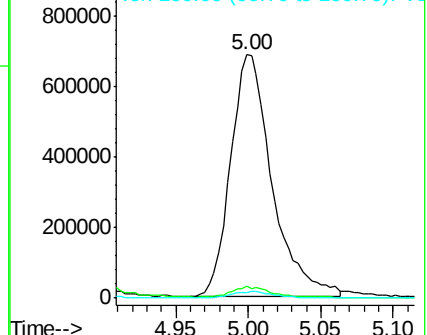
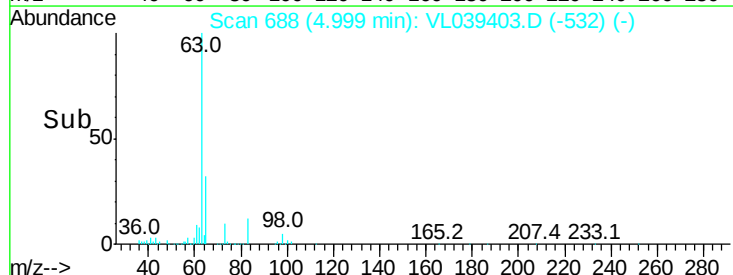
100 2.4 1.5 4.4

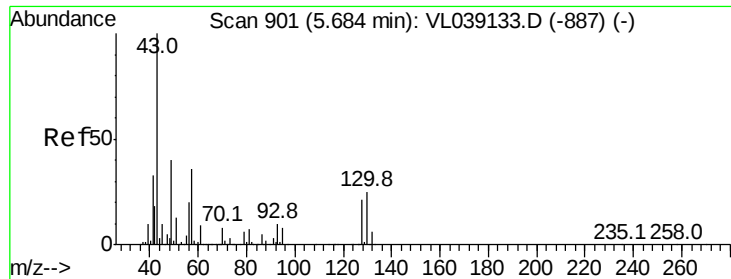


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

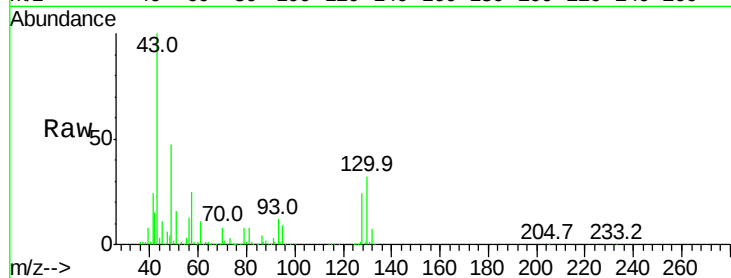
Ion 100.00 (99.70 to 100.70): VL0



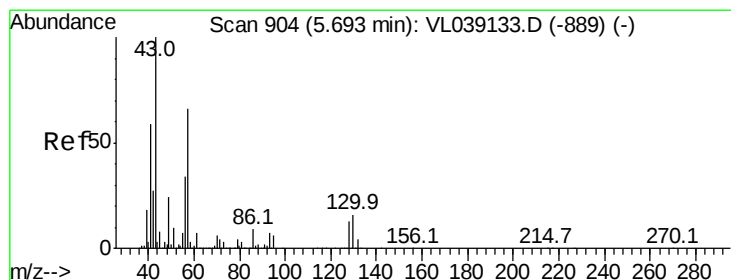
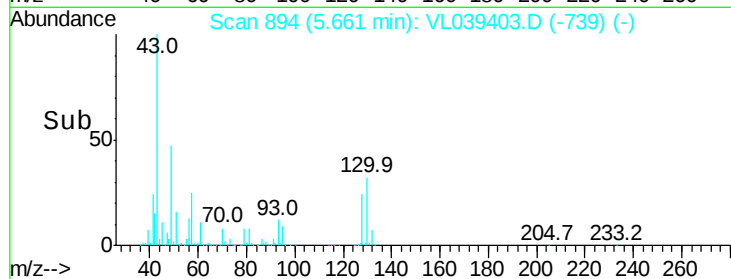
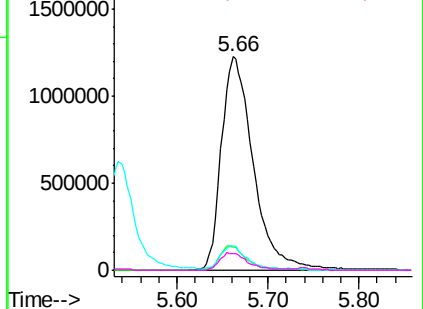


#25
Ethyl Acetate
Concen: 9.48 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0629ABS01
Acq: 29 Jun 2022 19:30

Tgt Ion:	43	Resp:	2980270
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.8	8.3	12.5
70	7.3	5.9	8.9

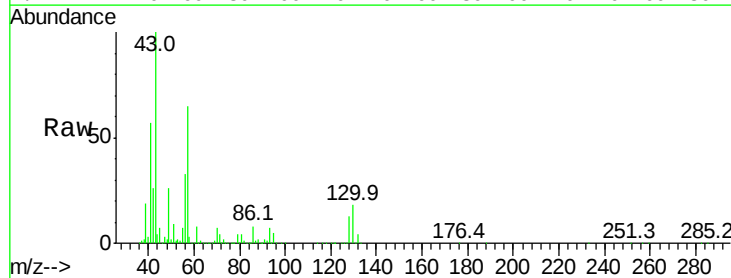


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

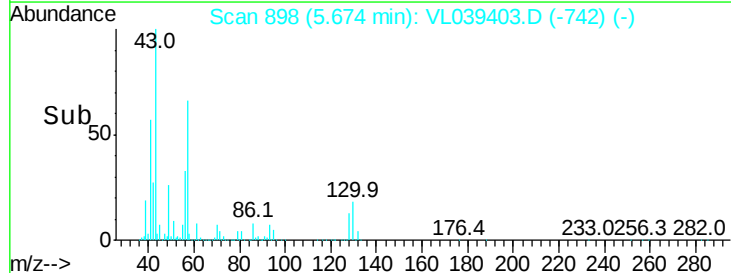
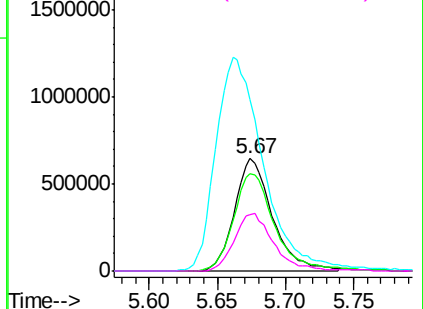


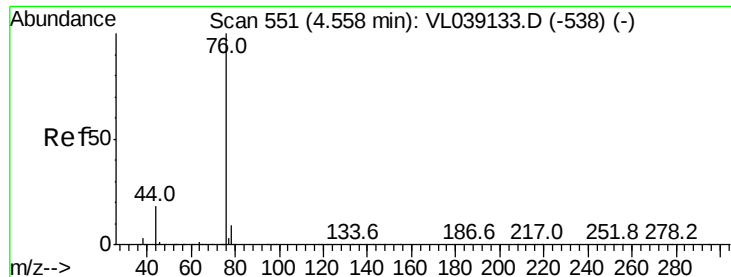
#26
Hexane
Concen: 9.83 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: 0.00 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

Tgt Ion:	57	Resp:	1246551
Ion	Ratio	Lower	Upper
57	100		
41	95.3	76.9	115.3
43	240.5	191.0	286.6
56	53.9	43.2	64.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.15 ppbv

RT: 4.54 Instrument: MSVOA_1

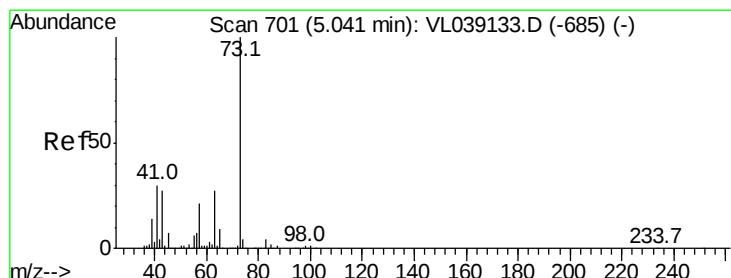
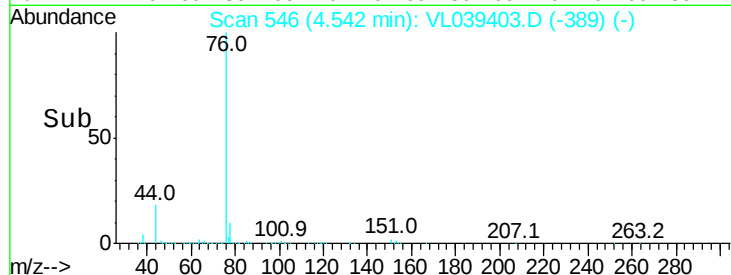
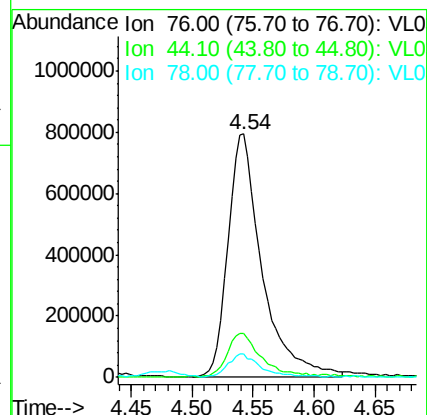
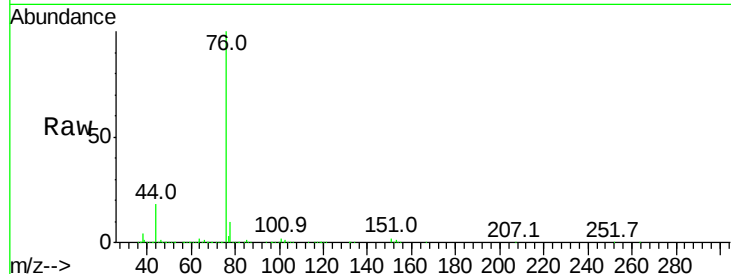
Delta R.T. ClientSampleId:

Lab File: VL0629ABS01

Acq: 29 Jun 2022 19:30

Tgt Ion: 76 Resp: 1552385

Ion	Ratio	Lower	Upper
76	100		
44	18.3	14.6	21.8
78	9.5	7.8	11.6



#28

Methyl tert-Butyl Ether

Concen: 9.66 ppbv

RT: 5.02 min Scan# 695

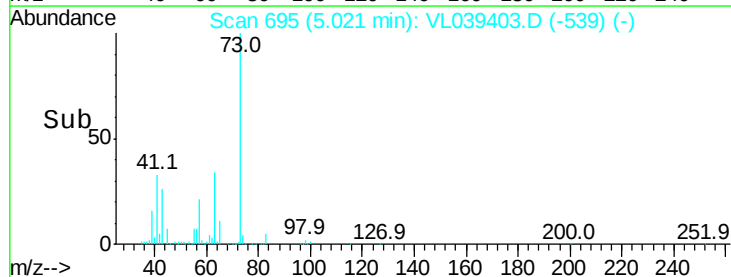
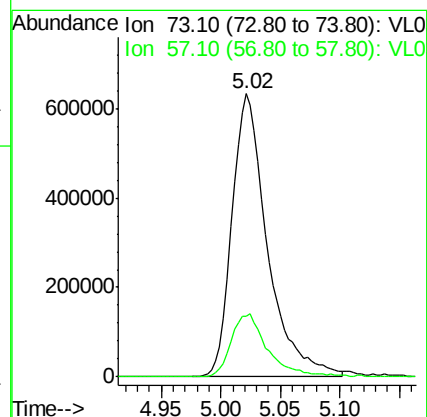
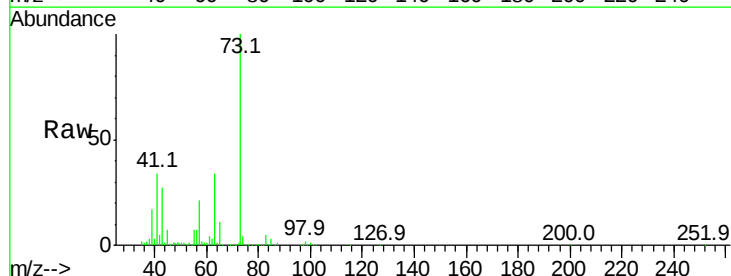
Delta R.T. 0.00 min

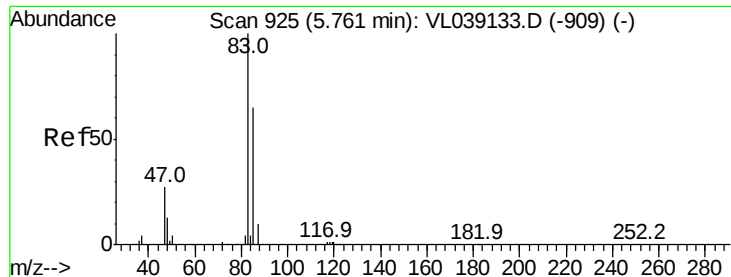
Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

Tgt Ion: 73 Resp: 1309773

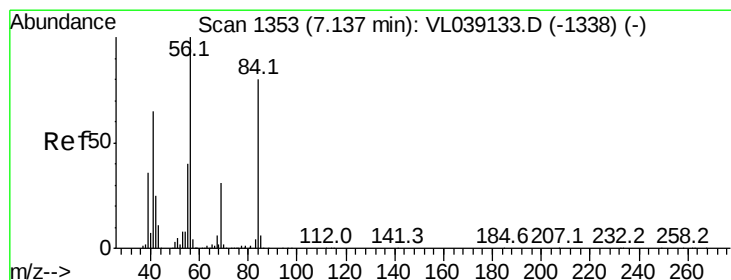
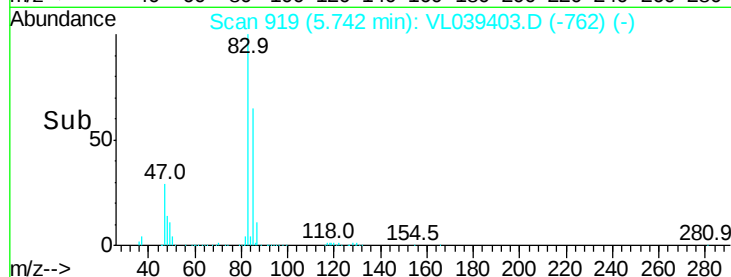
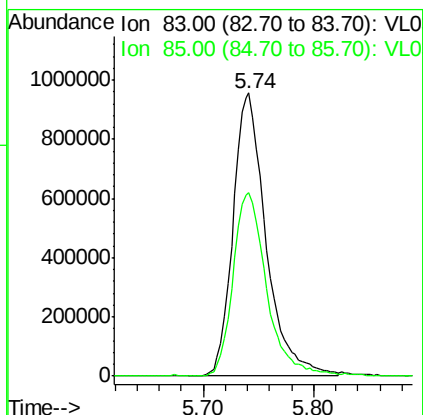
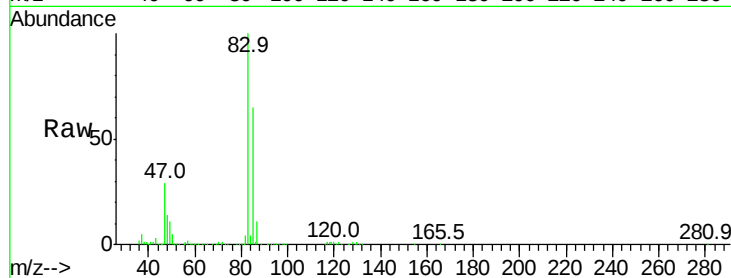
Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.8	29.8





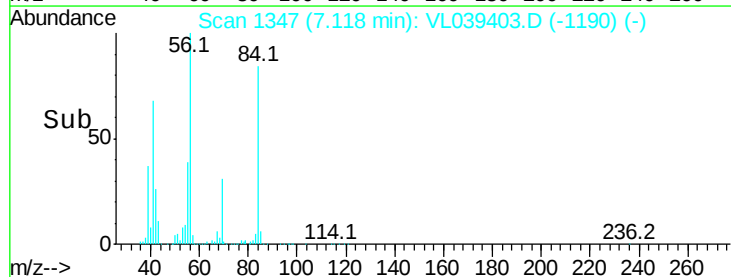
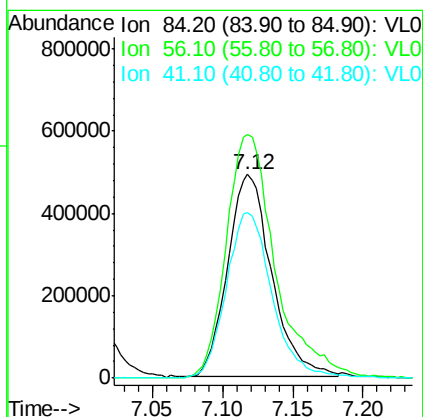
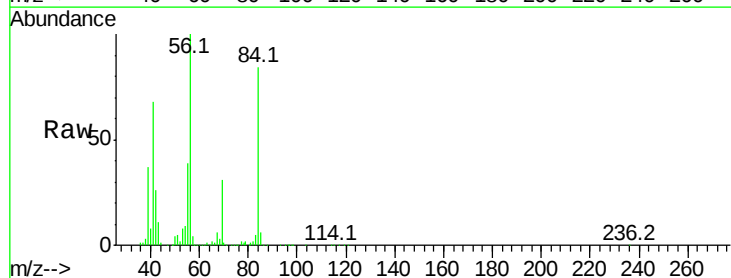
#29
Chloroform
Concen: 9.00 ppbv
RT: 5.74
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0629ABS01
Acq: 29 Jun 2022 19:30

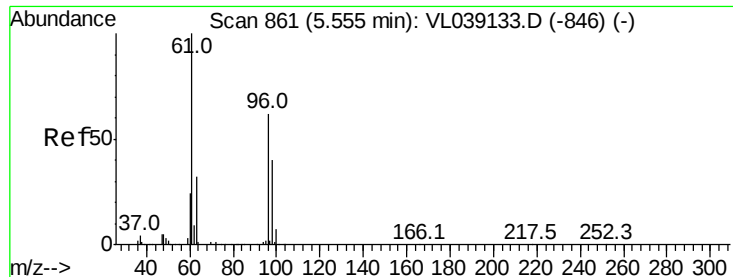
Tgt Ion: 83 Resp: 1984242
Ion Ratio Lower Upper
83 100
85 64.4 52.8 79.2



#30
Cyclohexane
Concen: 9.27 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

Tgt Ion: 84 Resp: 1069979
Ion Ratio Lower Upper
84 100
56 135.9 107.7 161.5
41 86.1 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 9.20 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0629ABS01

Acq: 29 Jun 2022 19:30

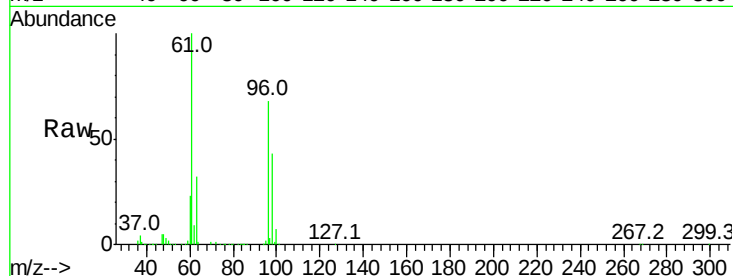
Tgt Ion: 61 Resp: 1237728

Ion Ratio Lower Upper

61 100

96 68.3 54.1 81.1

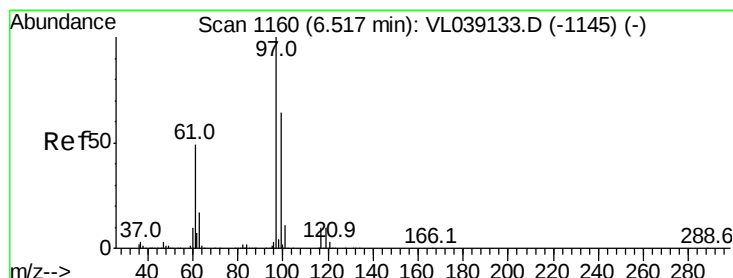
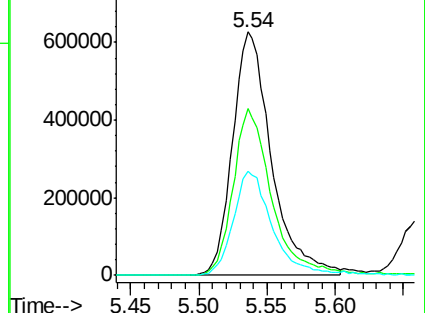
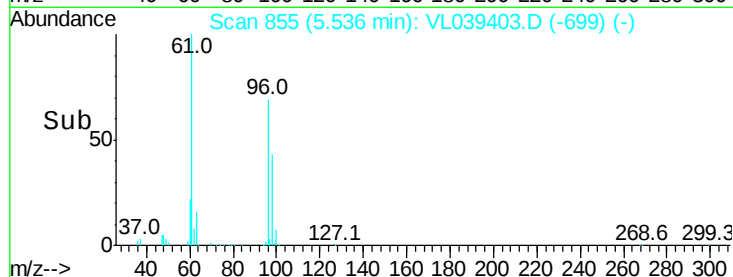
98 42.9 34.6 52.0



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: 9.32 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

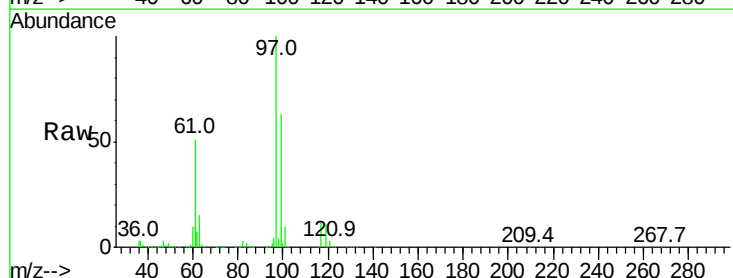
Tgt Ion: 97 Resp: 2026787

Ion Ratio Lower Upper

97 100

99 64.8 52.3 78.5

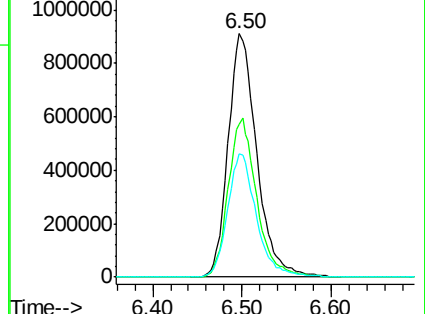
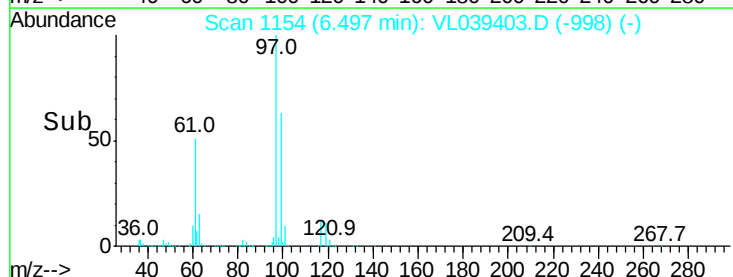
61 50.6 40.9 61.3

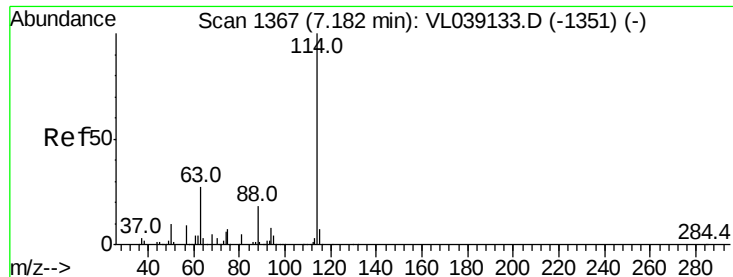


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

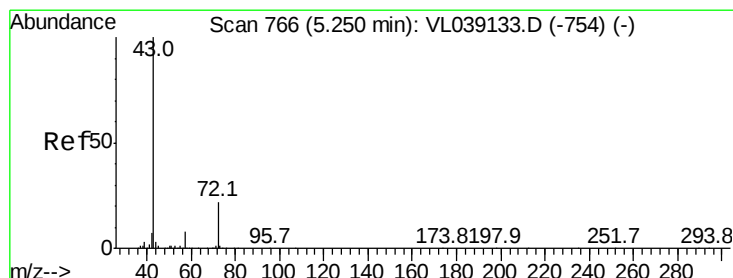
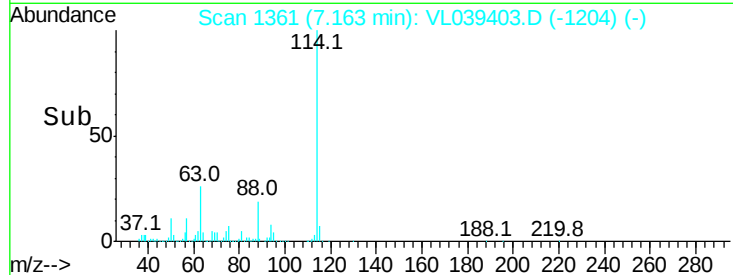
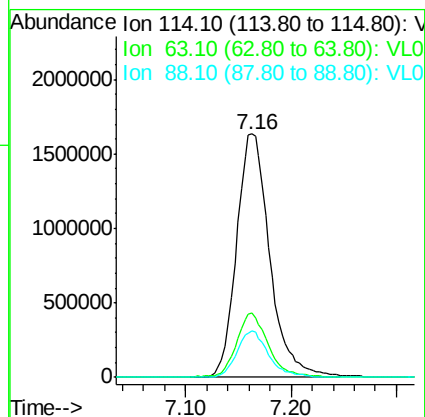
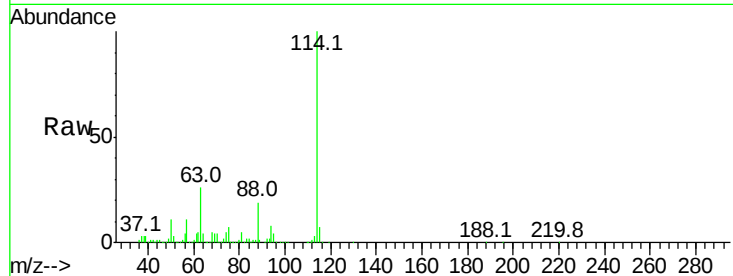




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0629ABS01
 Acq: 29 Jun 2022 19:30

Tgt Ion: 114 Resp: 3566285

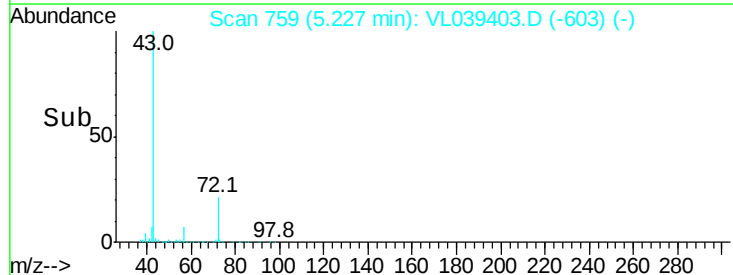
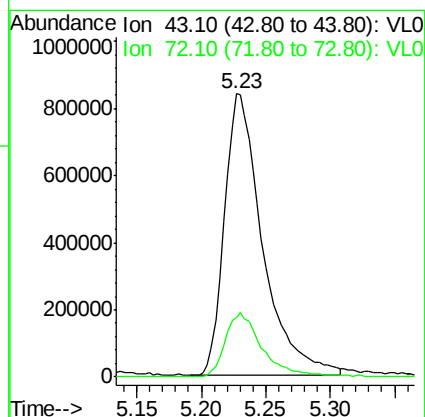
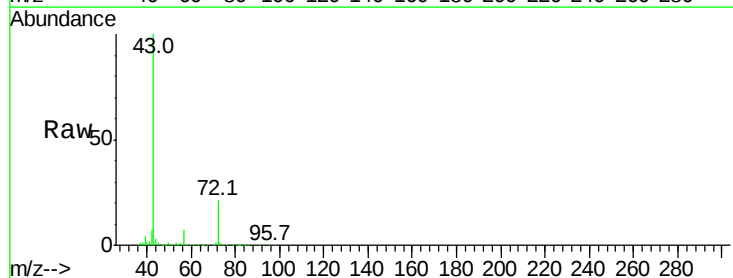
Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.2	30.4
88	18.5	14.5	21.7

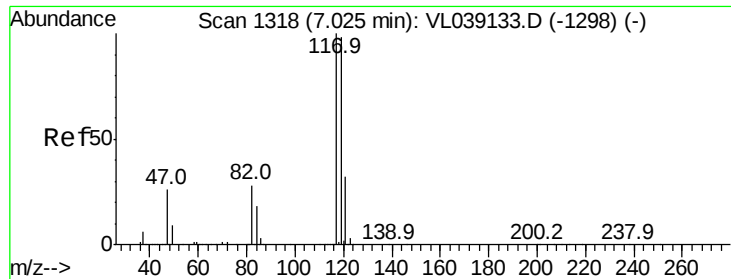


#34
 2-Butanone
 Concen: 9.65 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL039403.D
 Acq: 29 Jun 2022 19:36

Tgt Ion: 43 Resp: 1733228

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.9	26.9





#35

Carbon Tetrachloride

Concen: 9.78 ppbv

RT: 7.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Jun 2022 19:30

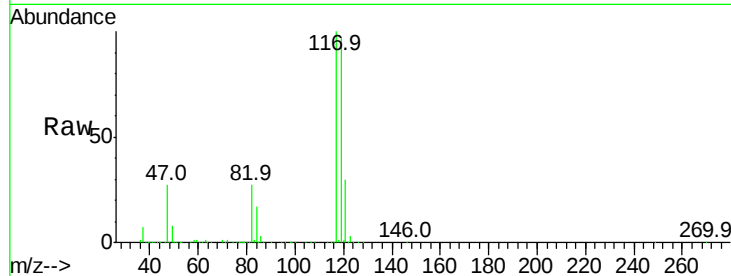
Tgt Ion: 117 Resp: 2156157

Ion Ratio Lower Upper

117 100

119 96.8 75.4 113.2

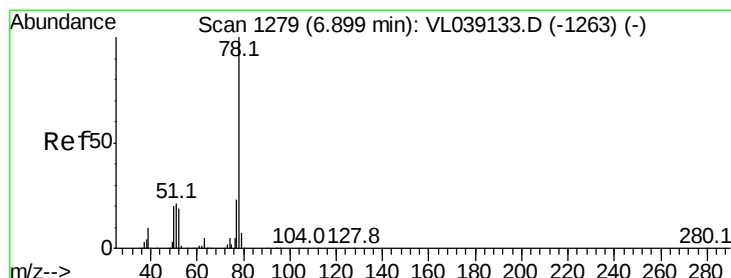
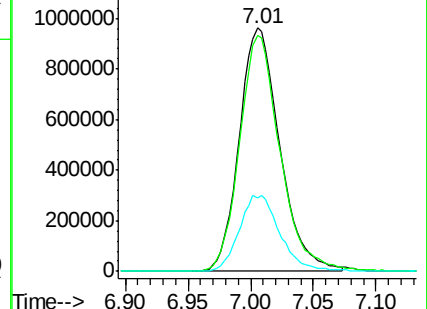
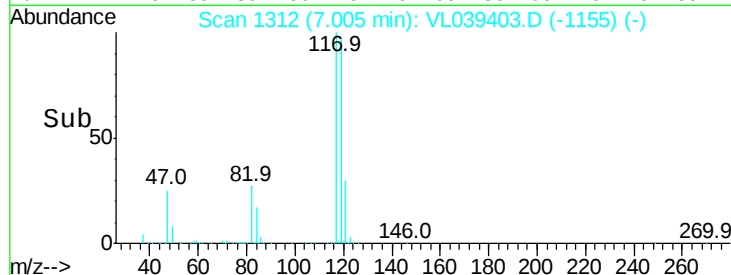
121 29.9 24.2 36.2



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: 9.50 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

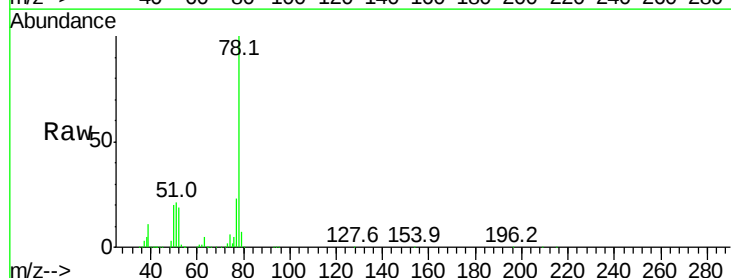
Tgt Ion: 78 Resp: 2622489

Ion Ratio Lower Upper

78 100

77 22.7 20.3 30.5

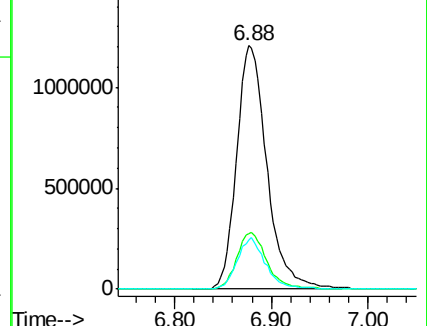
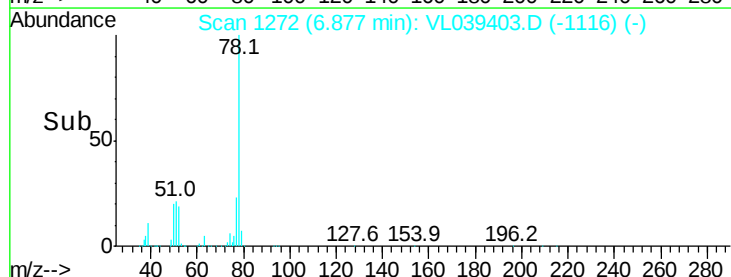
50 20.3 15.5 23.3

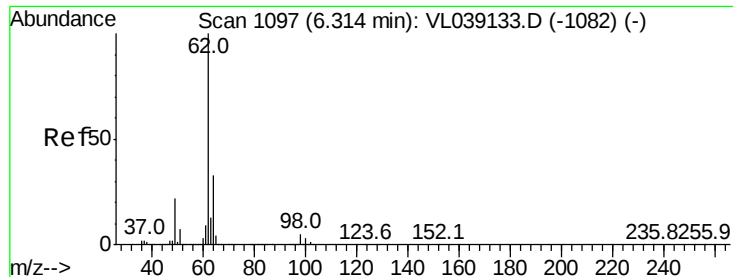


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

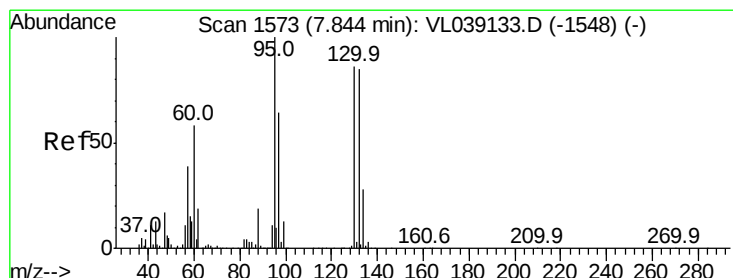
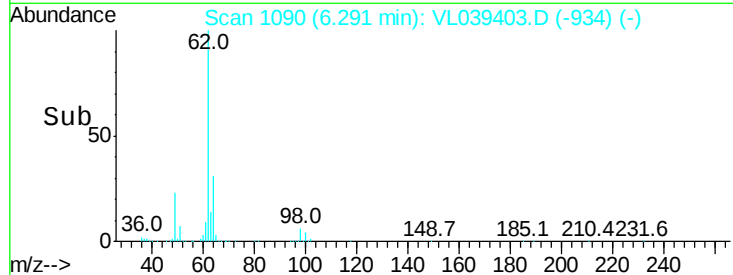
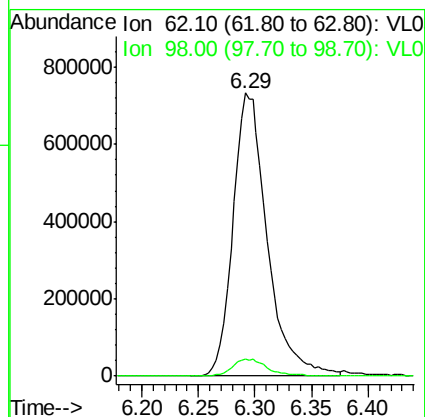
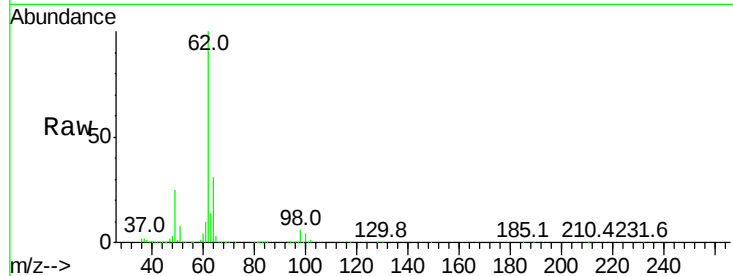
Ion 50.10 (49.80 to 50.80): VL0





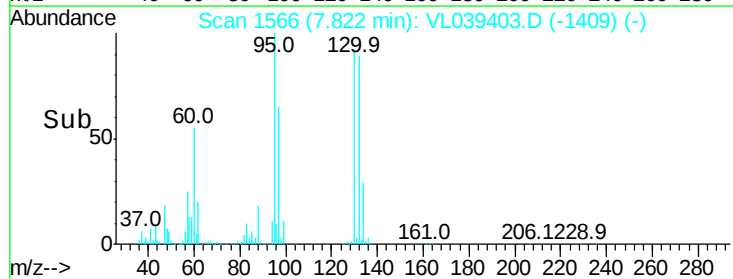
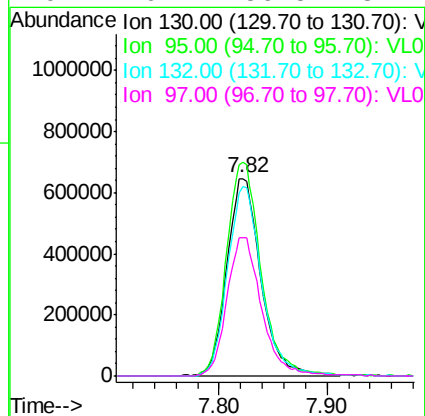
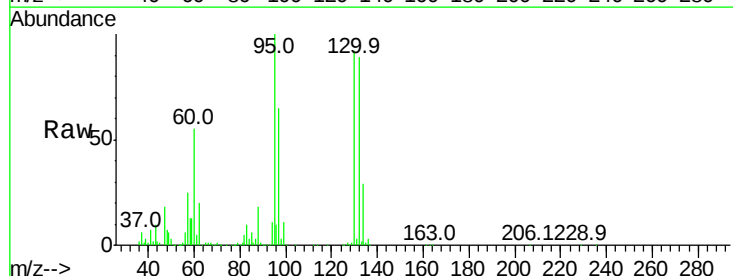
#37
 1,2-Dichloroethane
 Concen: 9.48 ppbv
 RT: 6.29
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0629ABS01
 Acq: 29 Jun 2022 19:30

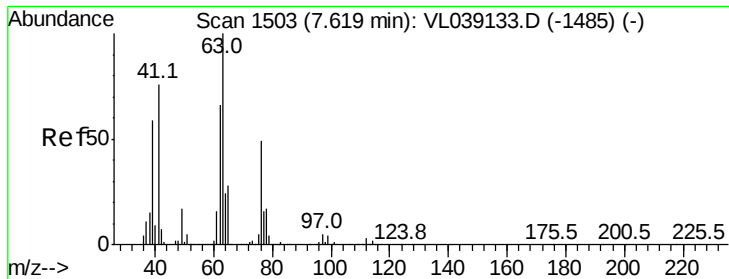
Tgt Ion: 62 Resp: 1544339
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.1 7.7



#38
 Trichloroethene
 Concen: 9.43 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL039403.D
 Acq: 29 Jun 2022 19:36

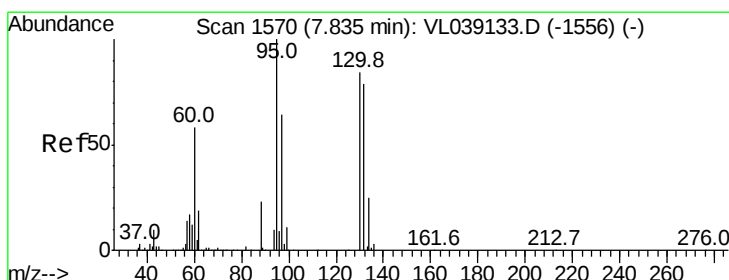
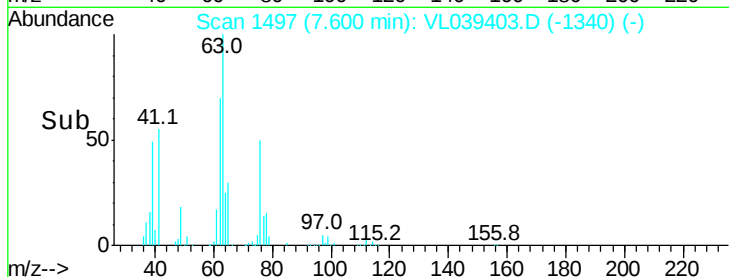
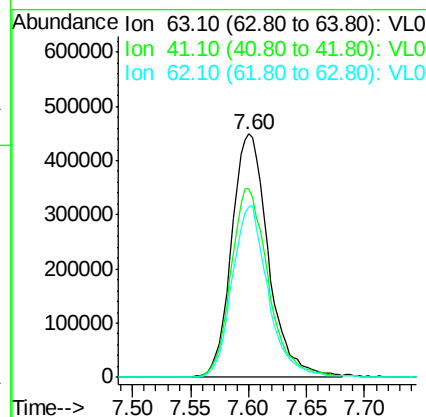
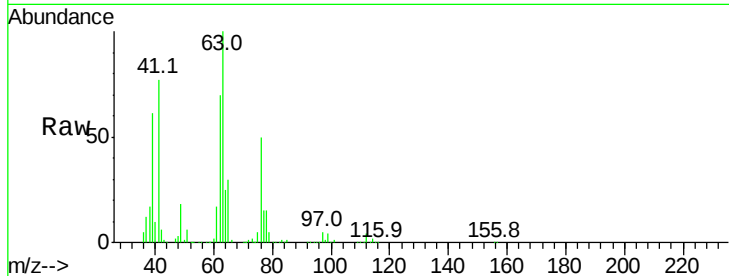
Tgt Ion: 130 Resp: 1407284
 Ion Ratio Lower Upper
 130 100
 95 108.3 87.3 130.9
 132 95.9 76.7 115.1
 97 70.4 56.5 84.7





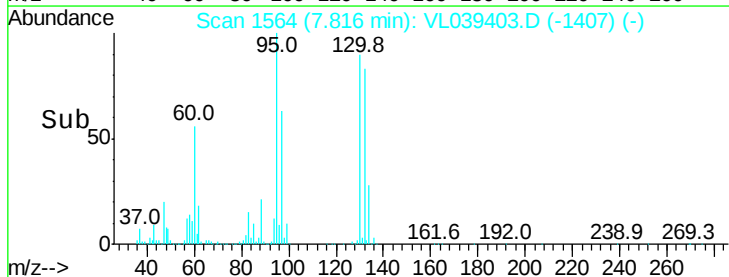
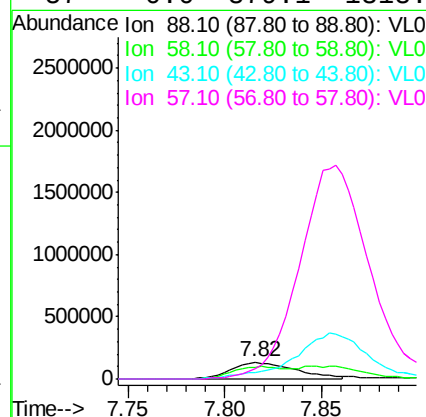
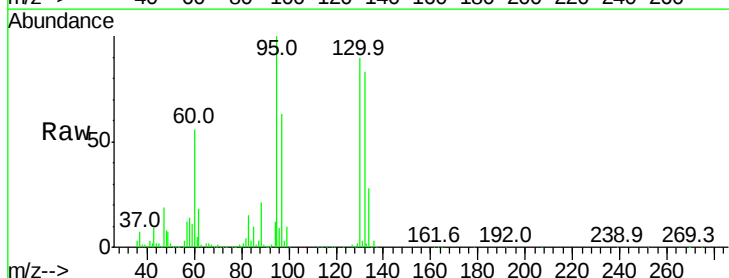
#39
 1,2-Dichloropropane
 Concen: 9.58 ppbv
 RT: 7.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0629ABS01
 Acq: 29 Jun 2022 19:30

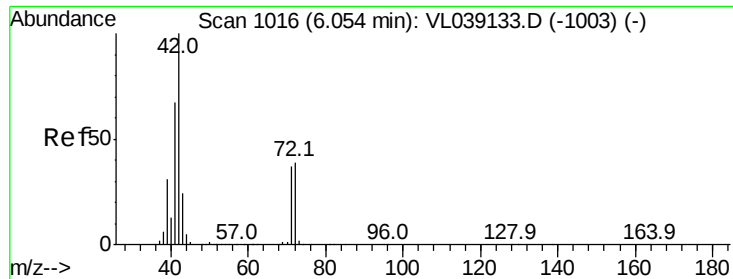
Tgt Ion: 63 Resp: 987839
 Ion Ratio Lower Upper
 63 100
 41 77.3 59.6 89.4
 62 69.8 51.4 77.0



#40
 1,4-Dioxane
 Concen: 7.36 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VL039403.D
 Acq: 29 Jun 2022 19:36

Tgt Ion: 88 Resp: 302392
 Ion Ratio Lower Upper
 88 100
 58 71.2 100.2 150.4#
 43 0.0 205.8 308.6#
 57 0.0 879.1 1318.7#

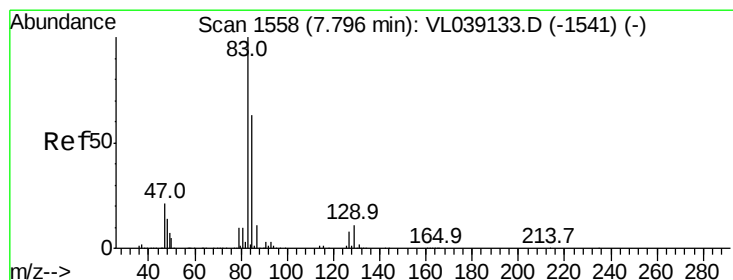
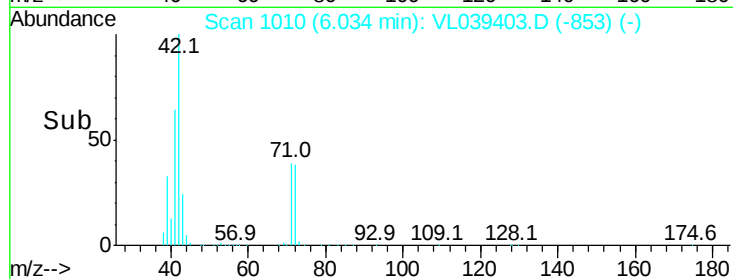
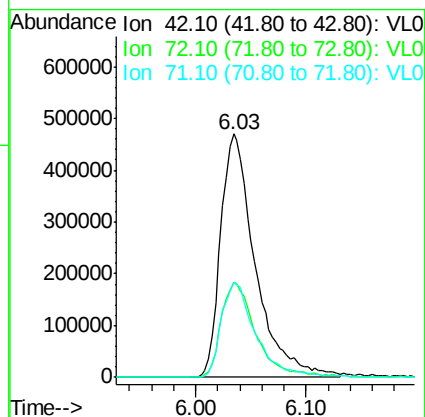
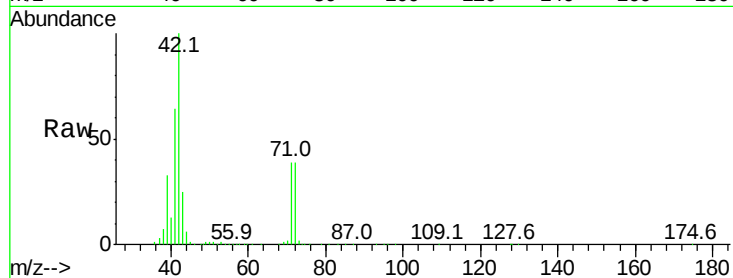




#41
Tetrahydrofuran
Concen: 9.83 ppbv
RT: 6.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0629ABS01
Acq: 29 Jun 2022 19:30

Tgt Ion: 42 Resp: 1022781

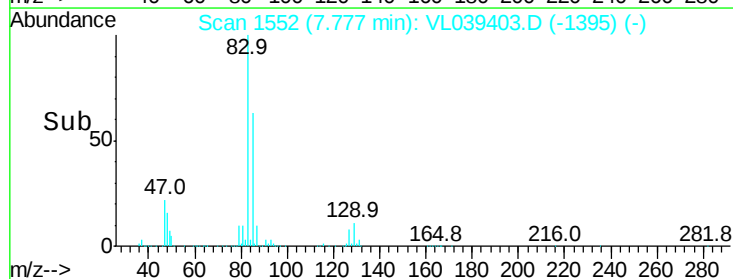
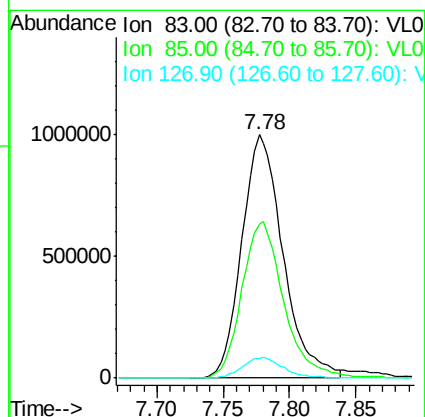
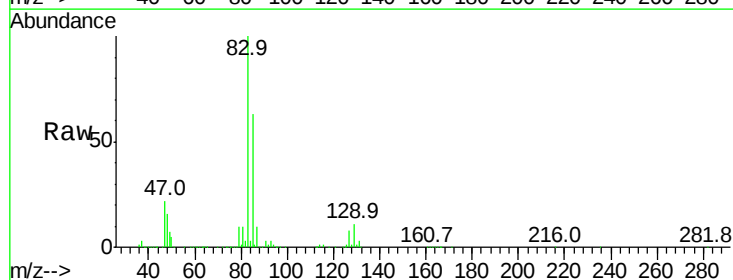
Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.8	47.8
71	39.1	31.8	47.8

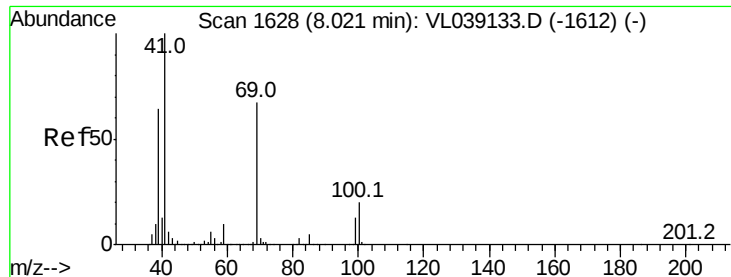


#42
Bromodichloromethane
Concen: 9.84 ppbv
RT: 7.78 min Scan# 1552
Delta R.T.: 0.01 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

Tgt Ion: 83 Resp: 2160466

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	8.0	6.6	9.8





#43

Methyl Methacrylate

Concen: 10.11 ppbv

RT: 8.00

Instrument: MSVOA_1

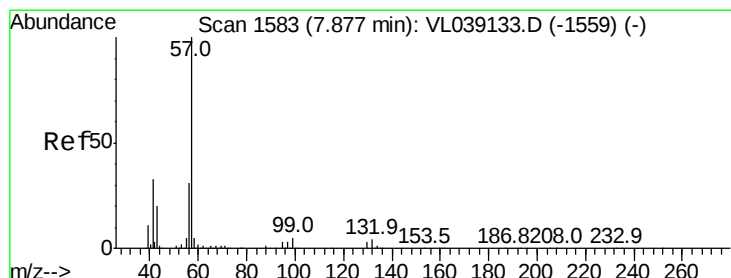
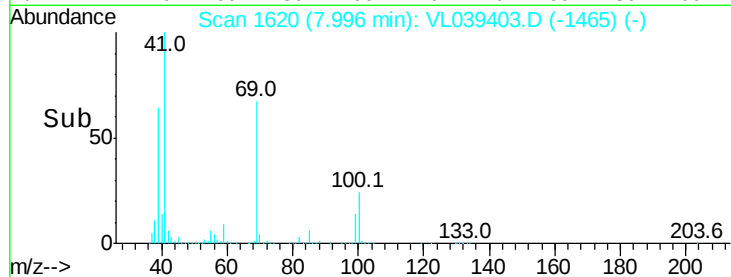
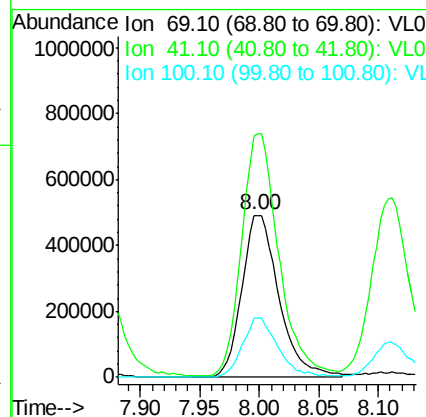
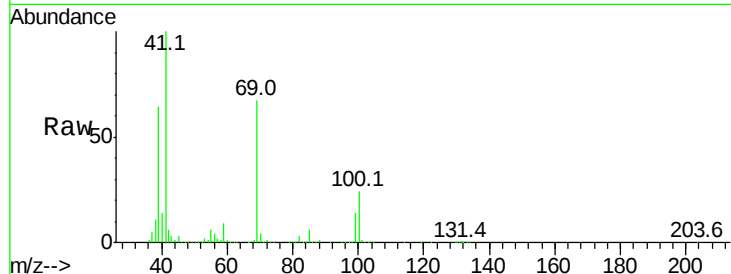
Delta R.T. ClientSampleId:

Lab File: VL0629ABS01

Acq: 29 Jun 2022 19:30

Tgt Ion: 69 Resp: 1061252

Ion	Ratio	Lower	Upper
69	100		
41	150.5	120.8	181.2
100	35.5	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 9.30 ppbv

RT: 7.86 min Scan# 1577

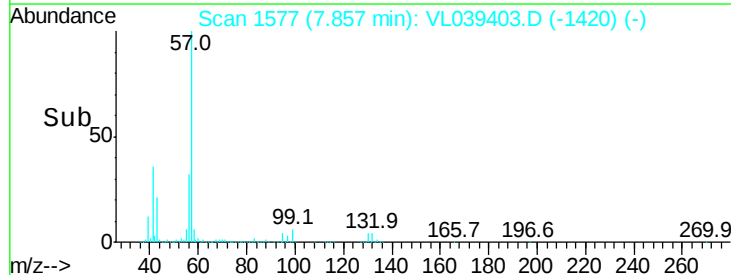
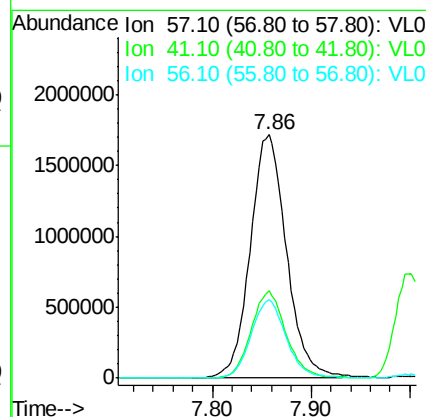
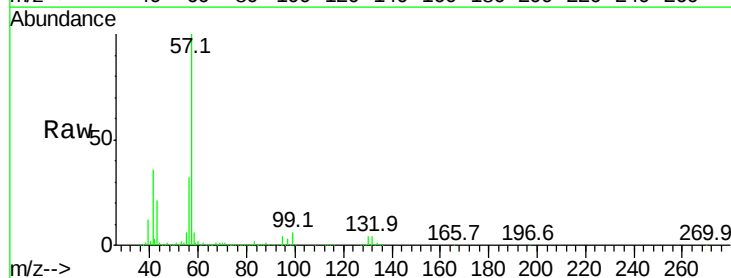
Delta R.T. 0.01 min

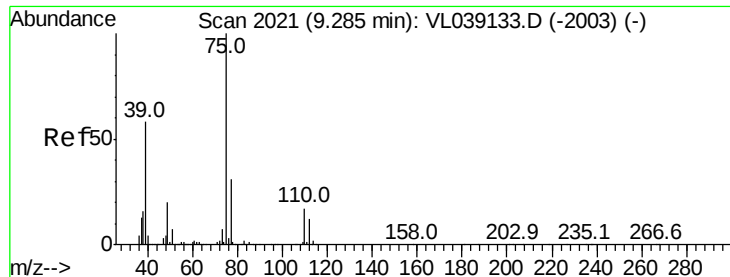
Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

Tgt Ion: 57 Resp: 4350735

Ion	Ratio	Lower	Upper
57	100		
41	34.5	27.4	41.2
56	31.2	24.5	36.7





#45

t-1,3-Dichloropropene

Concen: 11.75 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

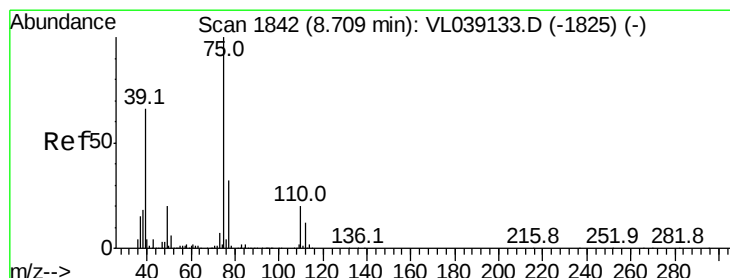
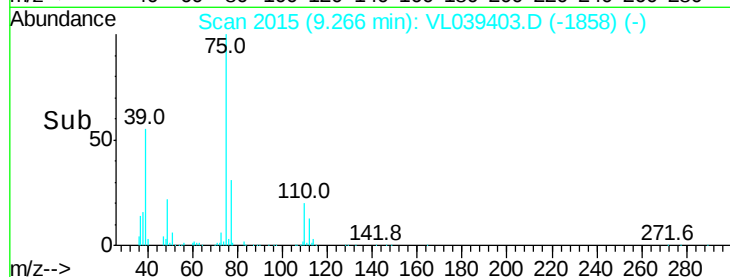
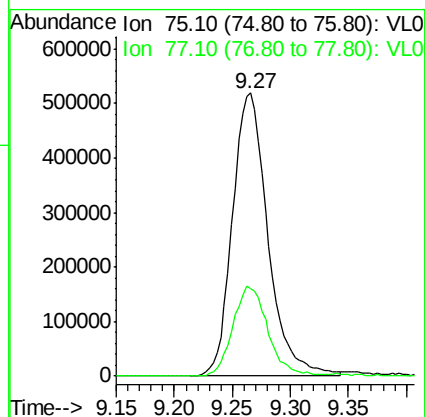
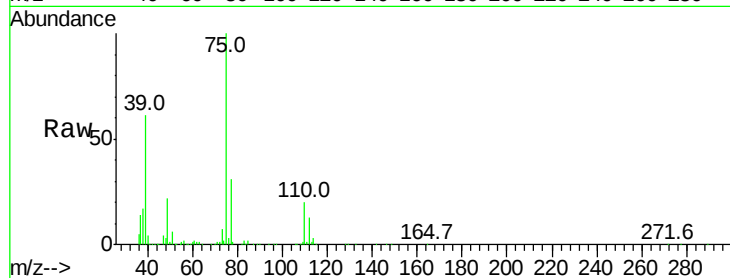
Acq: 29 Jun 2022 19:30 VL0629ABS01

Tgt Ion: 75 Resp: 1097889

Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 10.98 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

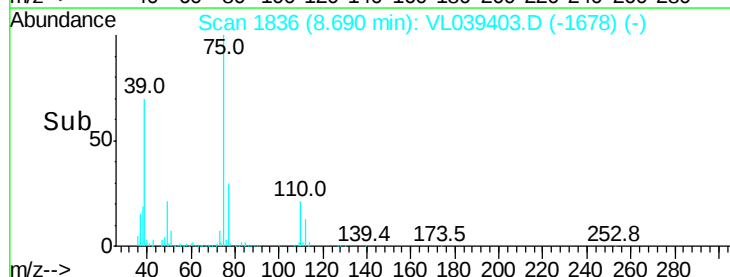
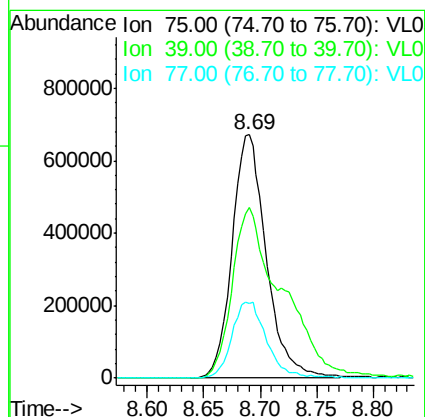
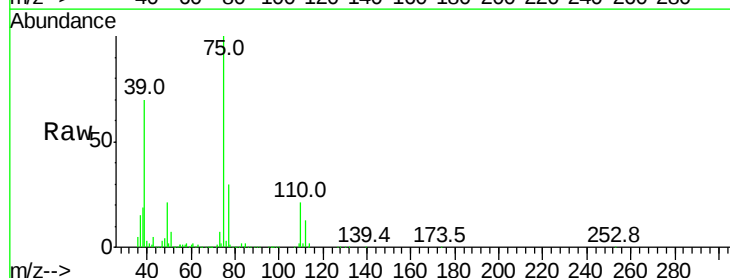
Tgt Ion: 75 Resp: 1411638

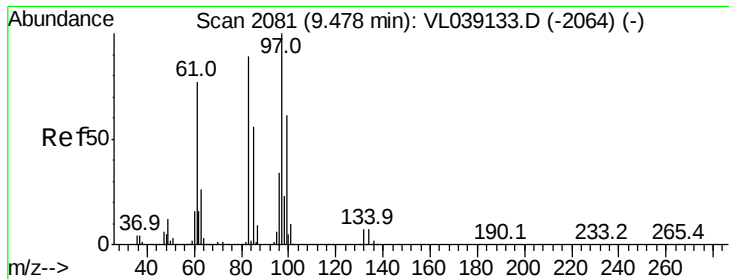
Ion Ratio Lower Upper

75 100

39 69.9 55.0 82.4

77 30.5 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 9.46 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Jun 2022 19:30 VL0629ABS01

Tgt Ion: 97 Resp: 1094939

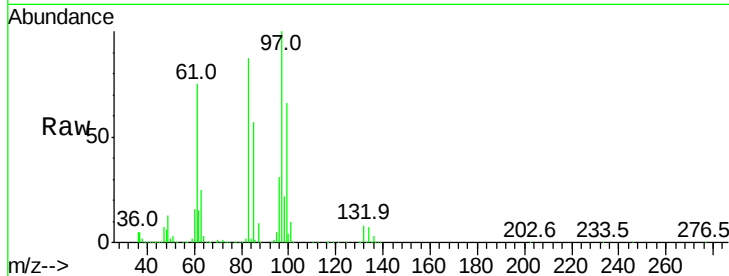
Ion Ratio Lower Upper

97 100

83 86.5 67.4 101.0

85 56.9 45.1 67.7

99 66.4 48.6 73.0

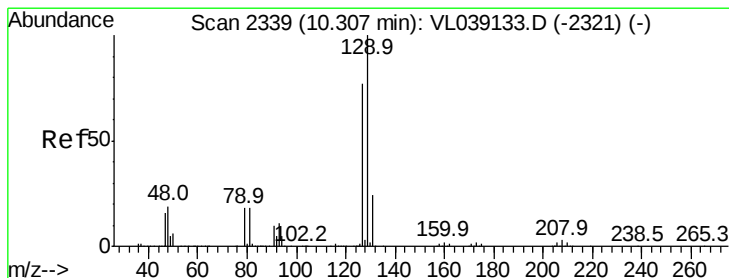
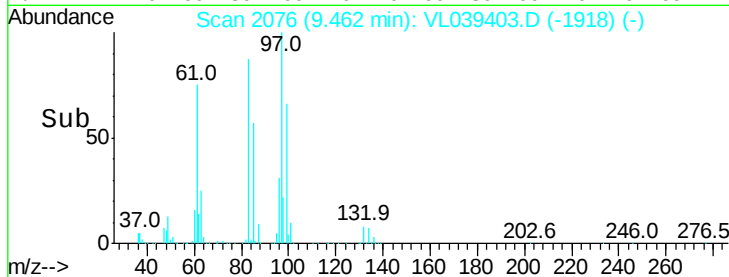
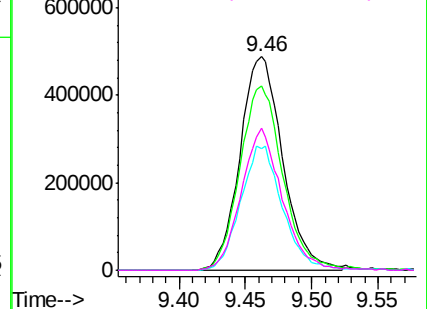


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.65 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. 0.01 min

Lab File: VL039403.D

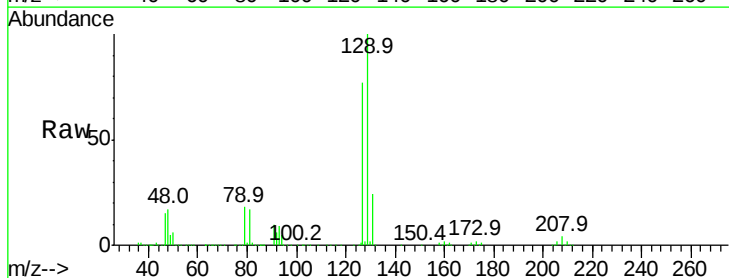
Acq: 29 Jun 2022 19:36

Tgt Ion: 129 Resp: 1958128

Ion Ratio Lower Upper

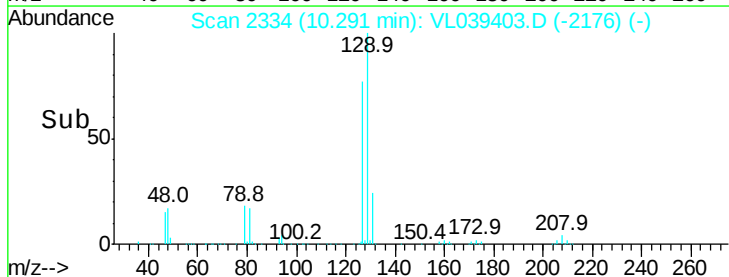
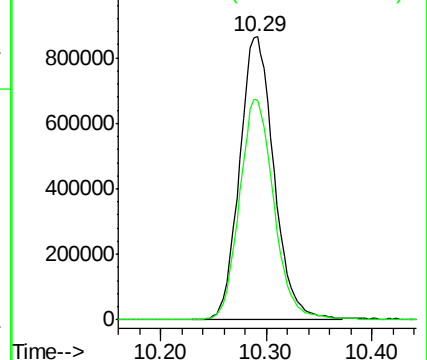
129 100

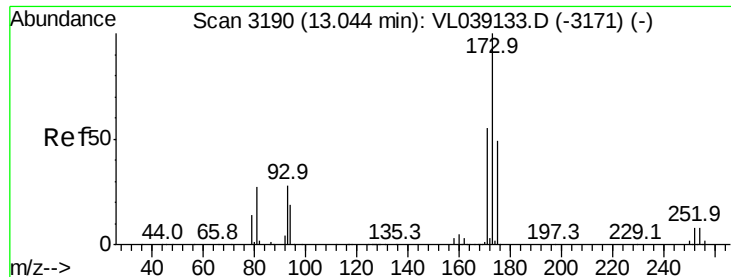
127 78.2 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.02 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 19:30

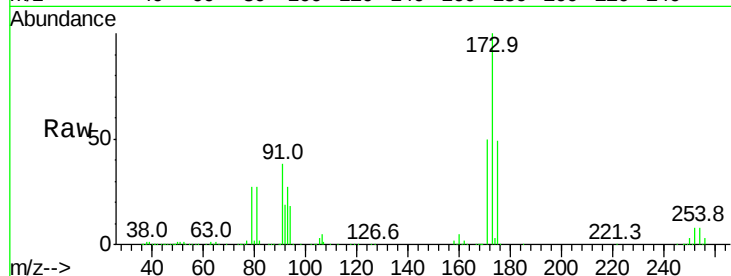
Tgt Ion:173 Resp: 1635364

Ion Ratio Lower Upper

173 100

175 49.6 40.3 60.5

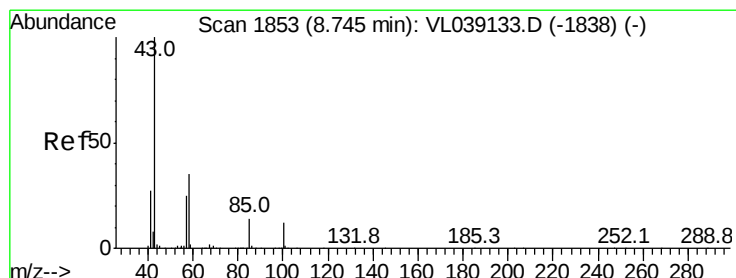
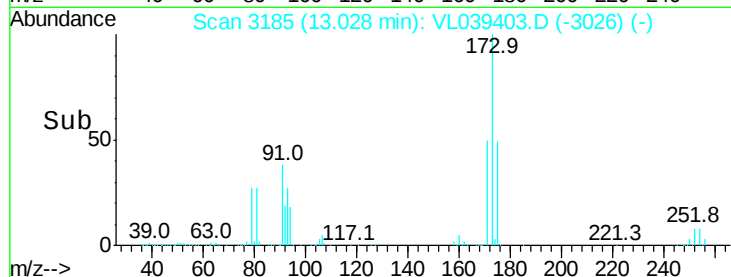
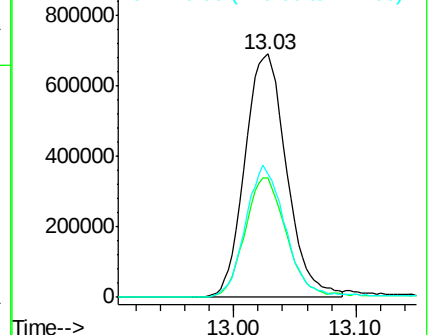
171 53.3 42.9 64.3



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: 10.16 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VL039403.D

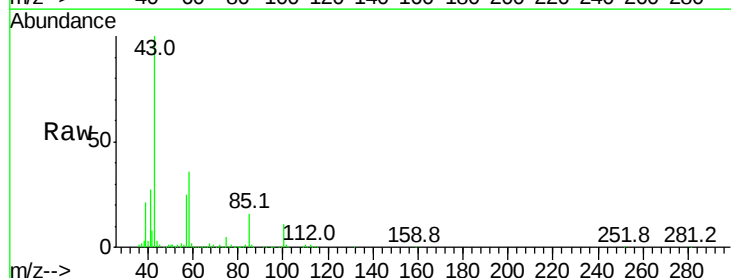
Acq: 29 Jun 2022 19:36

Tgt Ion: 43 Resp: 2757305

Ion Ratio Lower Upper

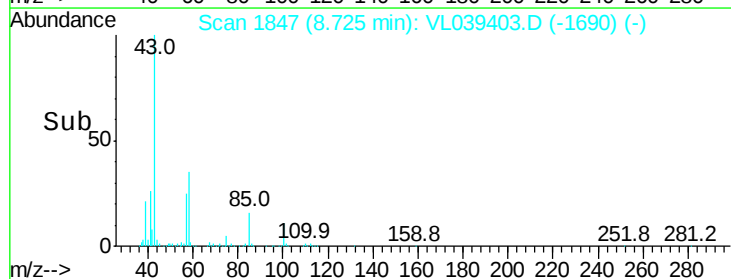
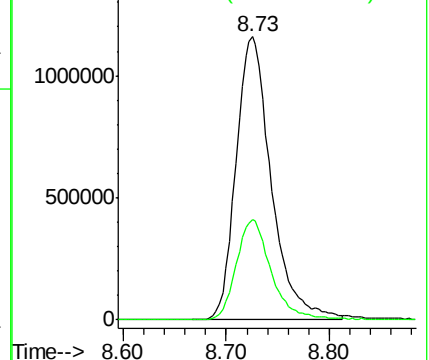
43 100

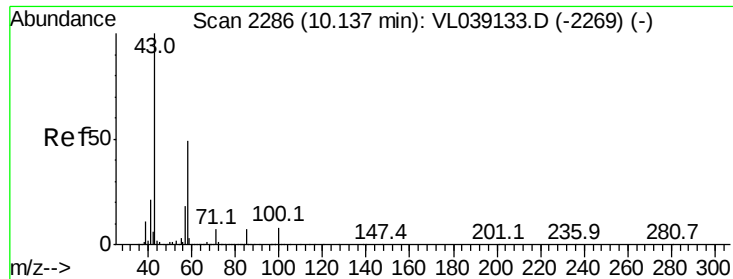
58 35.4 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

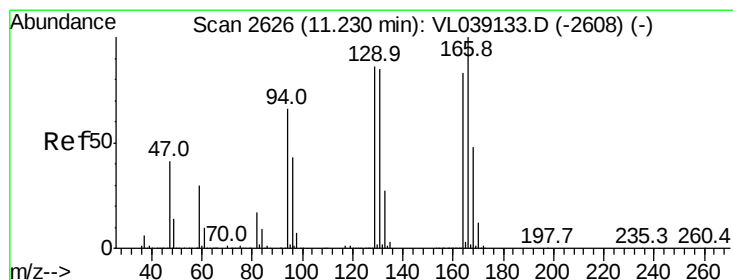
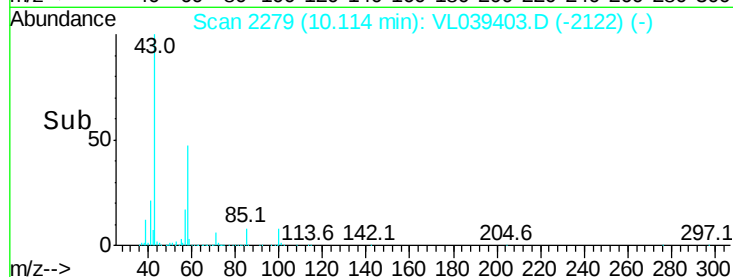
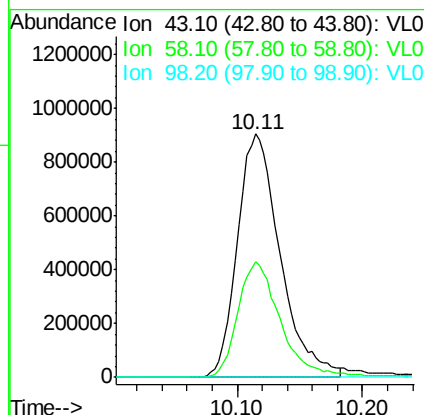
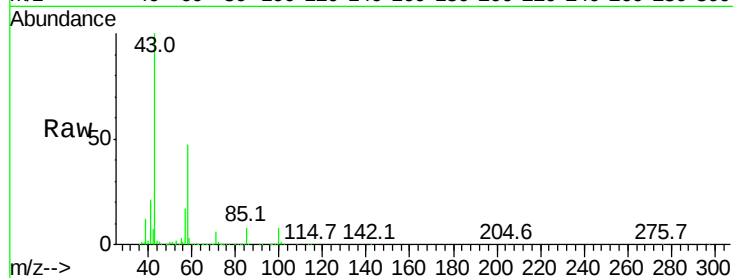




#51
2-Hexanone
Concen: 10.42 ppbv
RT: 10.11 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Jun 2022 19:36

Tgt Ion: 43 Resp: 2138669

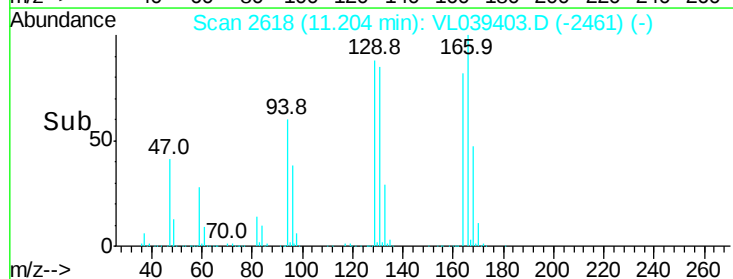
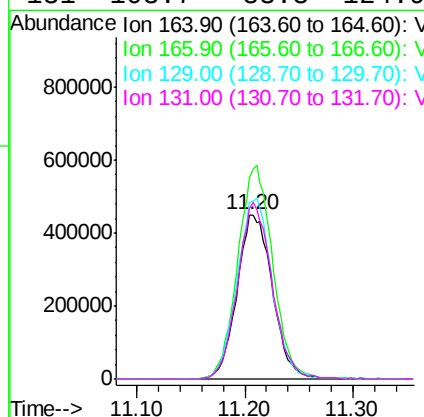
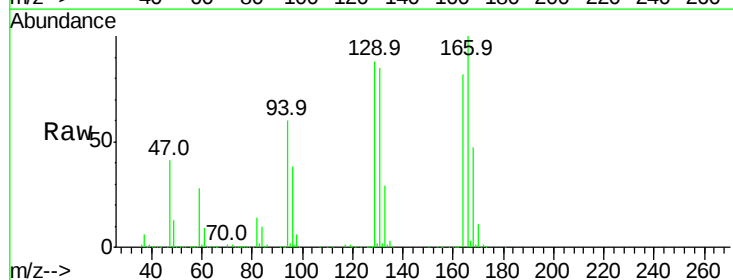
Ion	Ratio	Lower	Upper
43	100		
58	48.1	38.4	57.6
98	0.4	0.3	0.5

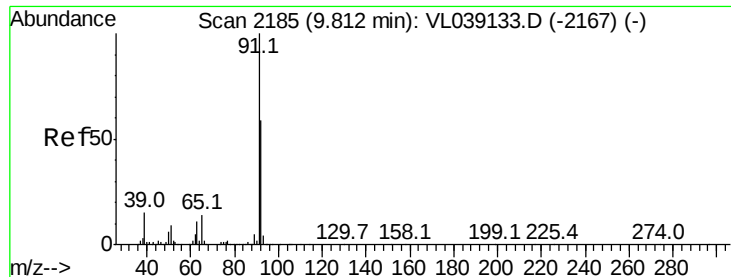


#52
Tetrachloroethene
Concen: 9.23 ppbv
RT: 11.20 min Scan# 2618
Delta R.T.: 0.01 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

Tgt Ion: 164 Resp: 1025905

Ion	Ratio	Lower	Upper
164	100		
166	121.8	102.2	153.2
129	107.2	85.8	128.8
131	103.7	83.3	124.9





#53

Toluene

Concen: 9.95 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: VL0629ABS01 ClientSampleId:

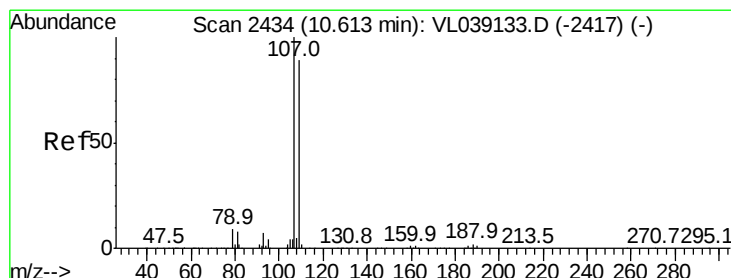
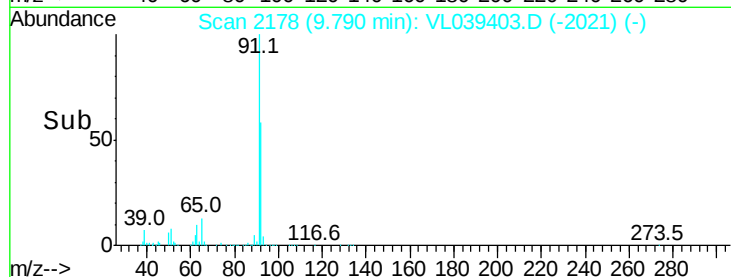
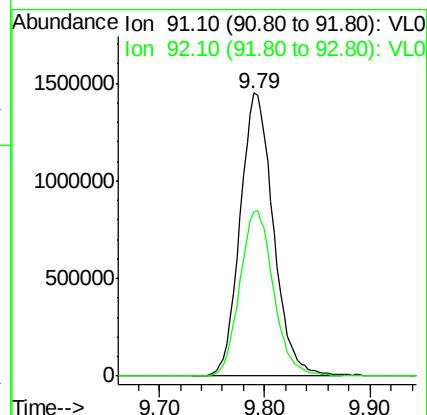
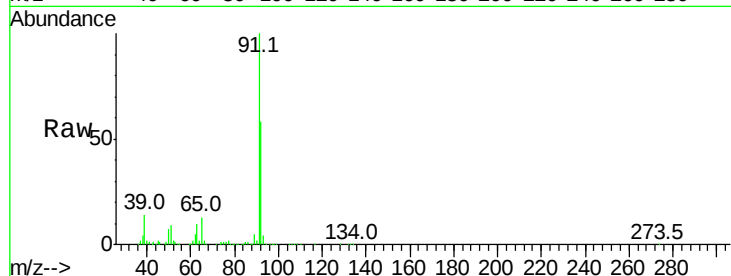
Acq: 29 Jun 2022 19:30

Tgt Ion: 91 Resp: 3167300

Ion Ratio Lower Upper

91 100

92 59.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.09 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL039403.D

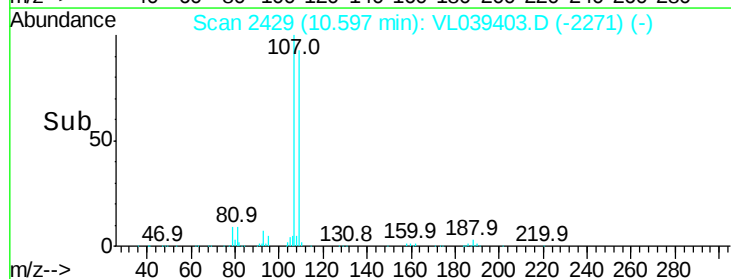
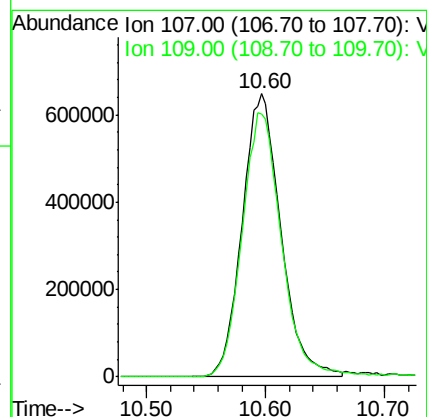
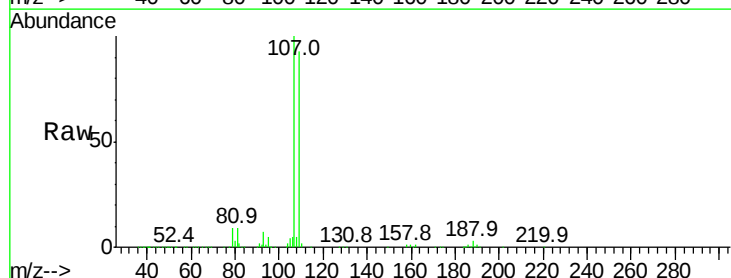
Acq: 29 Jun 2022 19:36

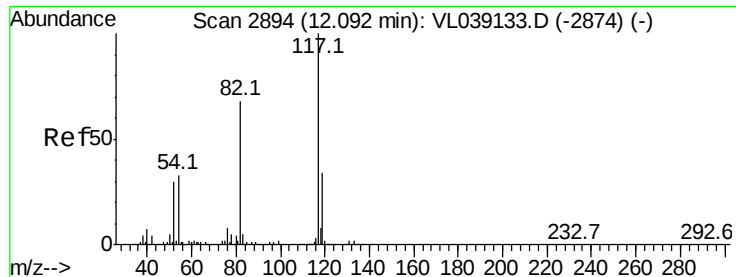
Tgt Ion: 107 Resp: 1452641

Ion Ratio Lower Upper

107 100

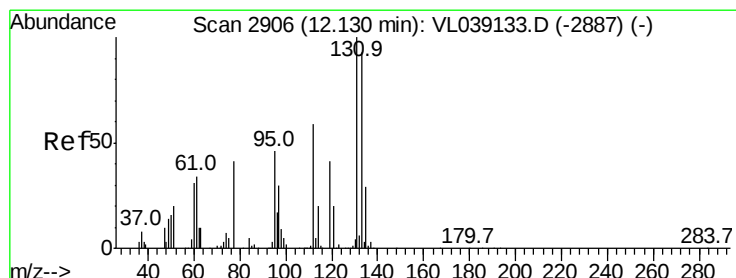
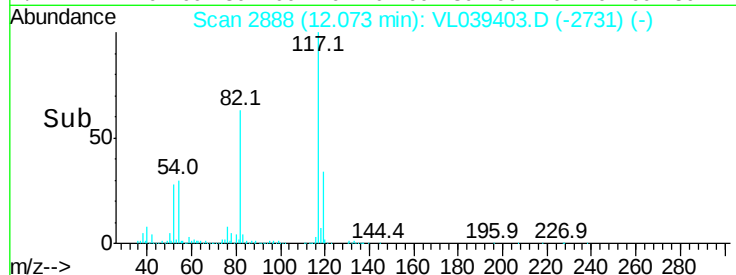
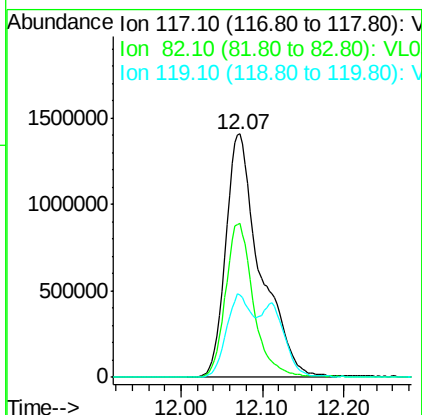
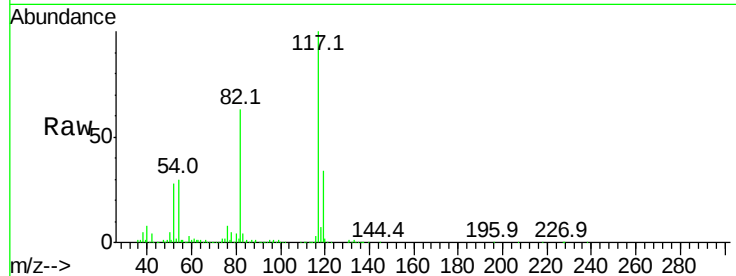
109 92.8 74.8 112.2





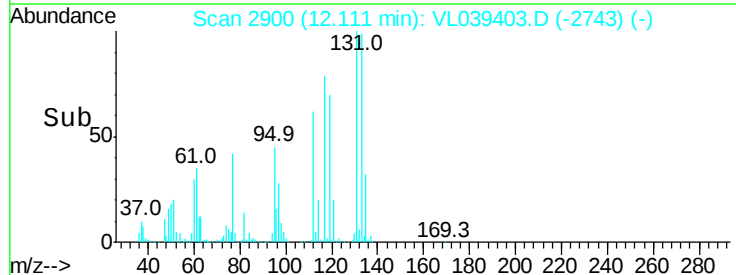
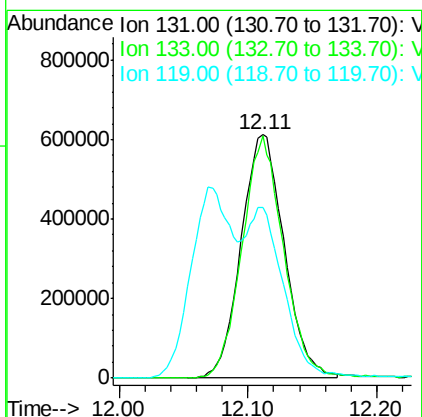
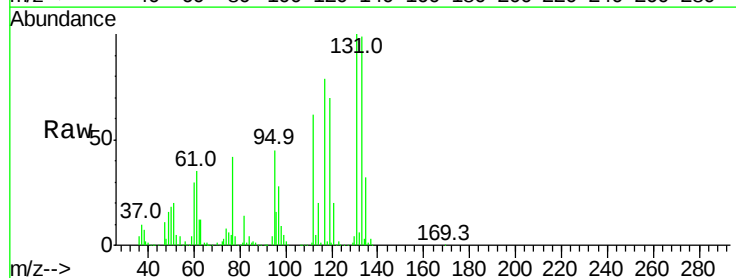
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0629ABS01
Acq: 29 Jun 2022 19:30

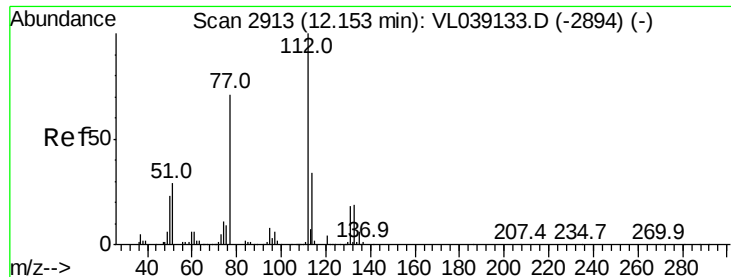
Tgt Ion:117 Resp: 4200150
Ion Ratio Lower Upper
117 100
82 52.0 50.8 76.2
119 23.7 24.1 36.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.66 ppbv
RT: 12.11 min Scan# 2900
Delta R.T.: 0.01 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

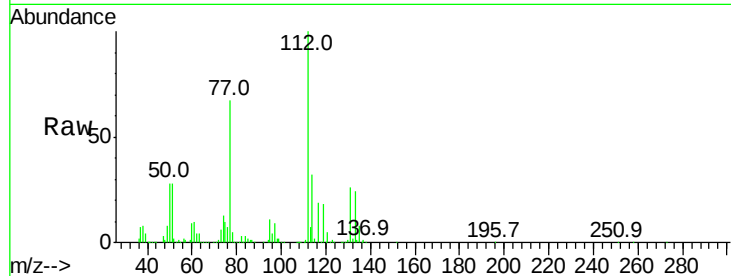
Tgt Ion:131 Resp: 1421065
Ion Ratio Lower Upper
131 100
133 96.9 76.8 115.2
119 65.8 46.2 69.4



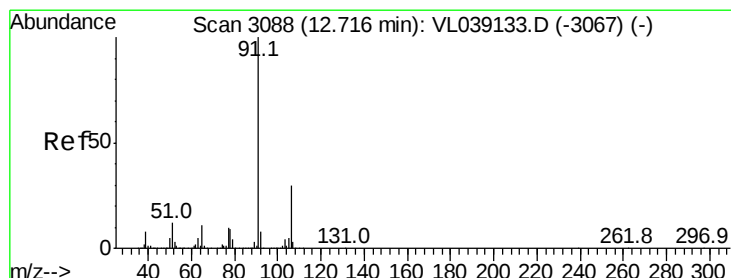
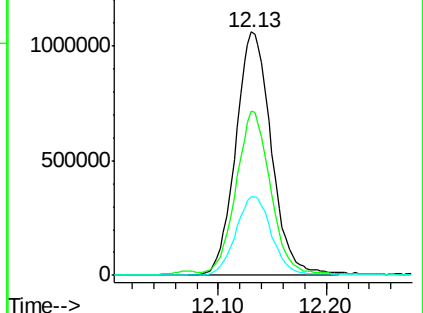
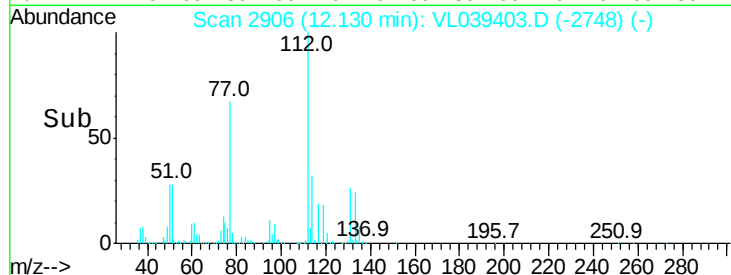


#57
Chlorobenzene
Concen: 7.50 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0629ABS01
Acq: 29 Jun 2022 19:30

Tgt Ion: 112 Resp: 2442108
Ion Ratio Lower Upper
112 100
77 66.5 51.0 76.4
114 32.1 27.5 33.6

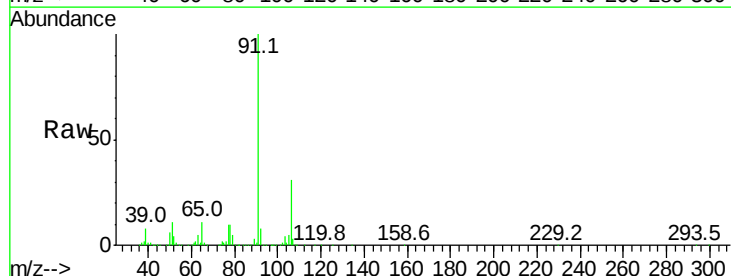


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

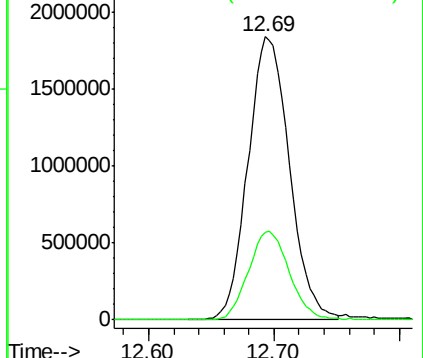
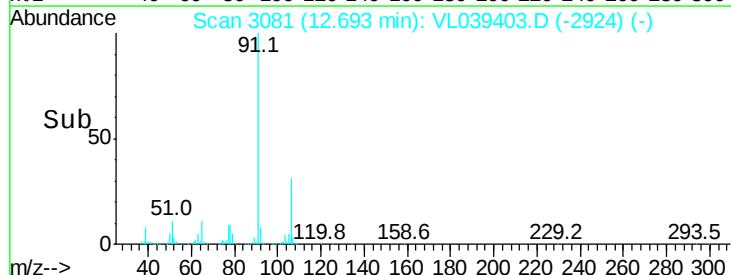


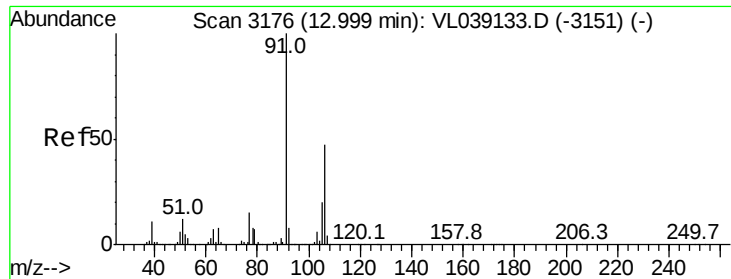
#58
Ethyl Benzene
Concen: 7.80 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. 0.01 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

Tgt Ion: 91 Resp: 4232284
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0



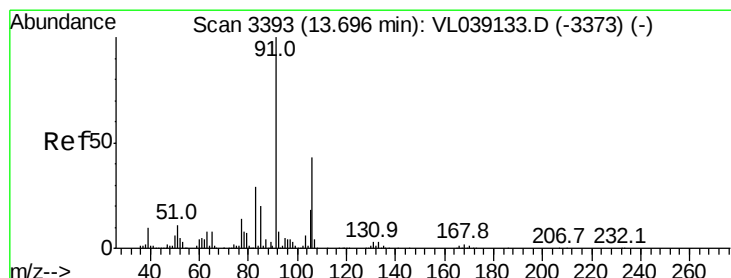
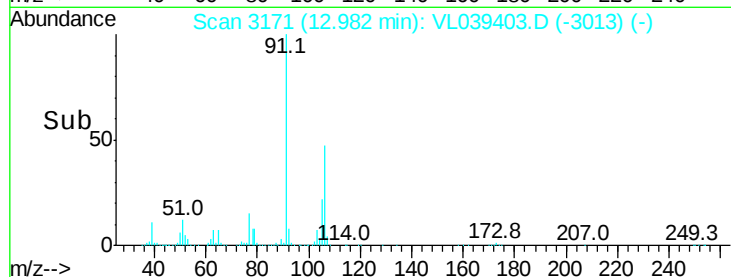
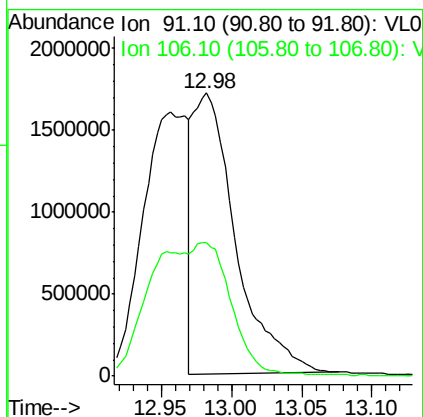
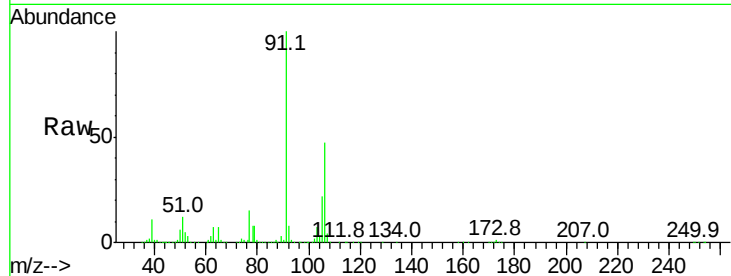
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





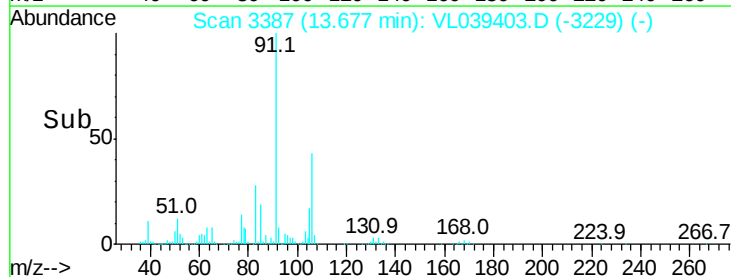
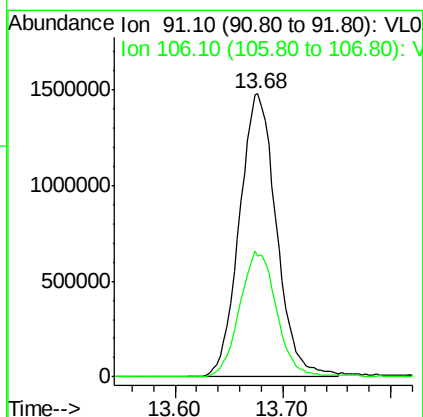
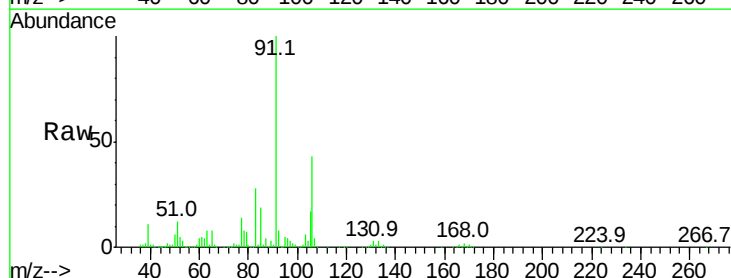
#59
m/p-Xylene
Concen: 7.53 ppbv
RT: 12.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VL0629ABS01
Acq: 29 Jun 2022 19:30

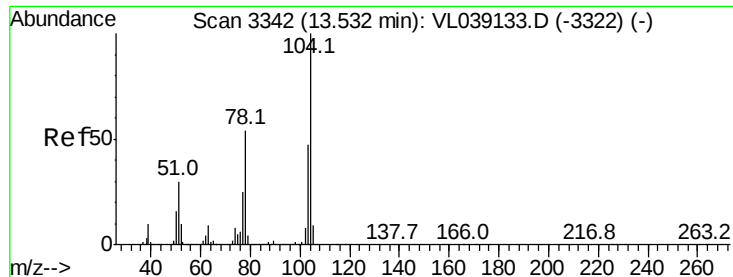
Tgt Ion: 91 Resp: 3599708
Ion Ratio Lower Upper
91 100
106 91.2 35.4 53.2#



#60
o-Xylene
Concen: 7.80 ppbv
RT: 13.68 min Scan# 3387
Delta R.T.: 0.01 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

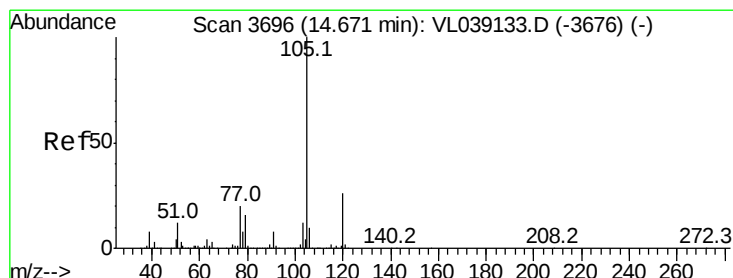
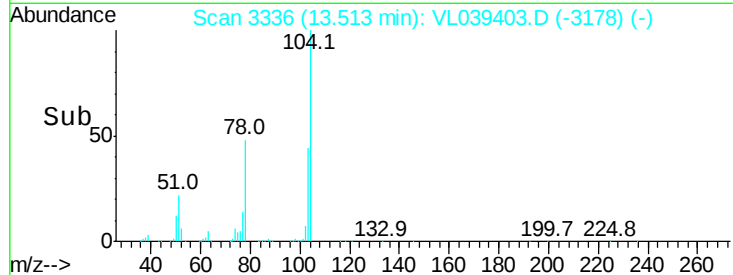
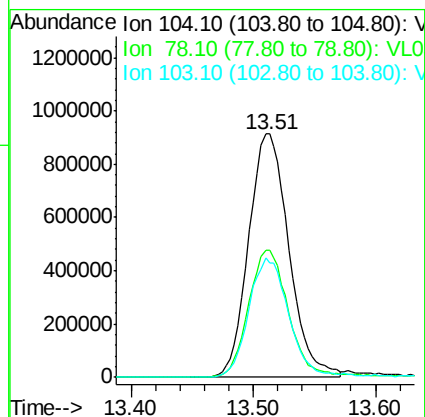
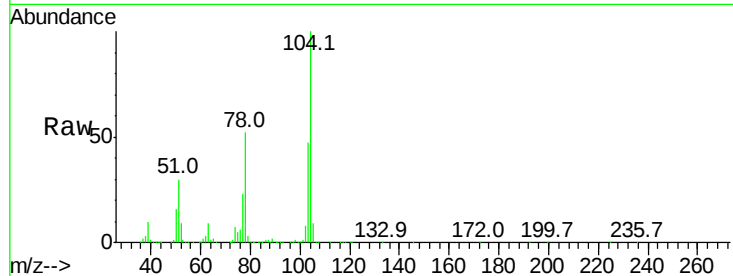
Tgt Ion: 91 Resp: 3529932
Ion Ratio Lower Upper
91 100
106 44.9 22.4 67.3





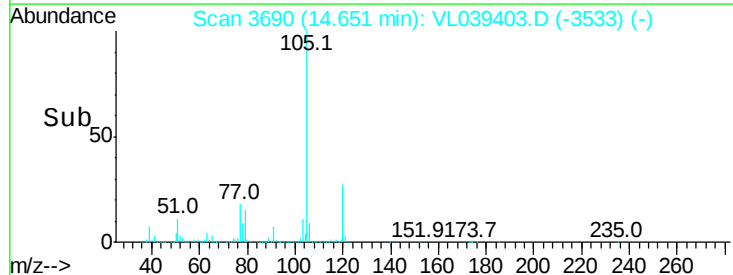
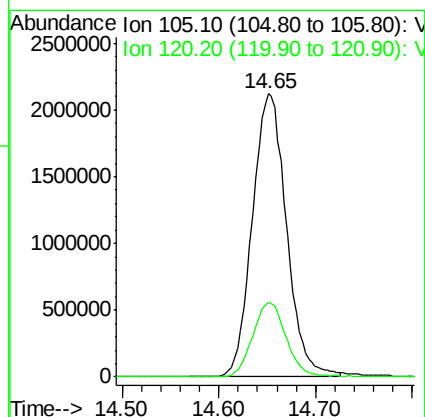
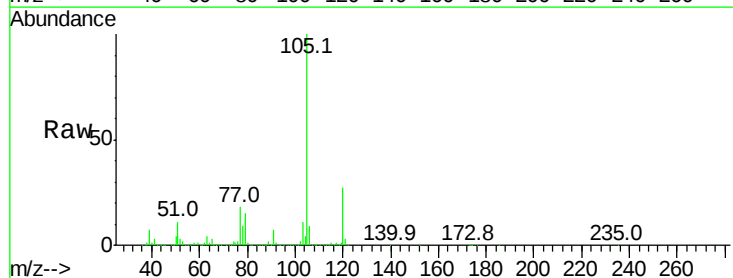
#61
Styrene
Concen: 8.50 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0629ABS01
Acq: 29 Jun 2022 19:30

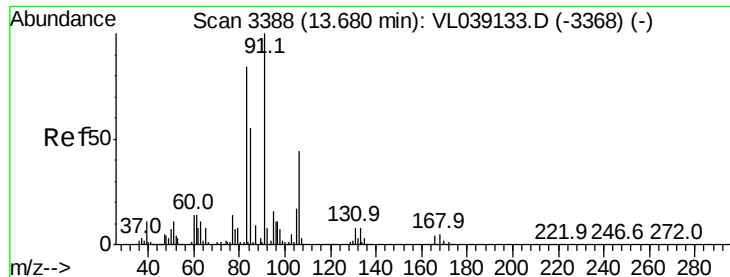
Tgt Ion:104 Resp: 2084017
Ion Ratio Lower Upper
104 100
78 52.3 41.2 61.8
103 49.2 38.7 58.1



#62
Isopropylbenzene
Concen: 7.54 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.01 min
Lab File: VL039403.D
Acq: 29 Jun 2022 19:36

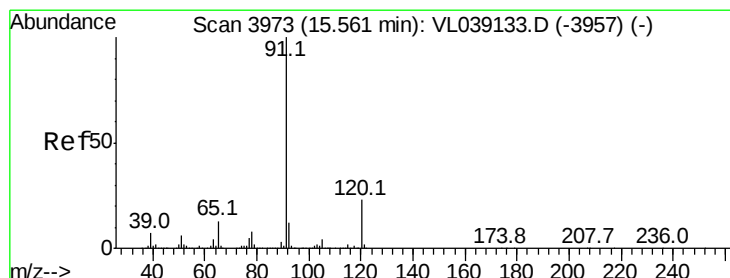
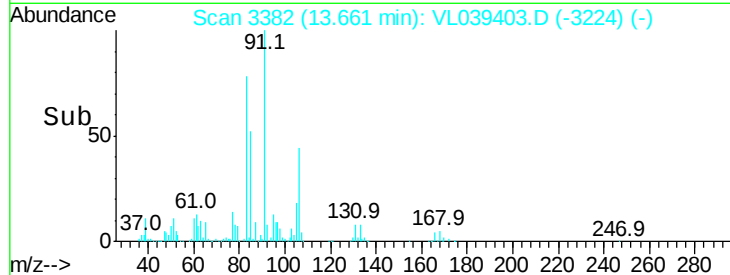
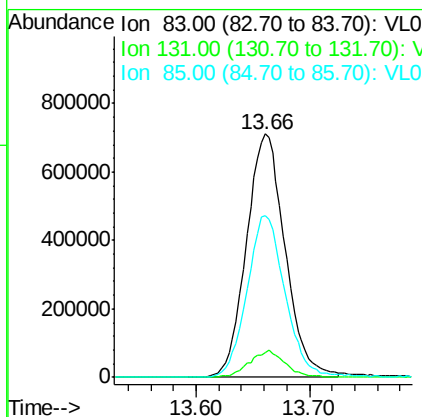
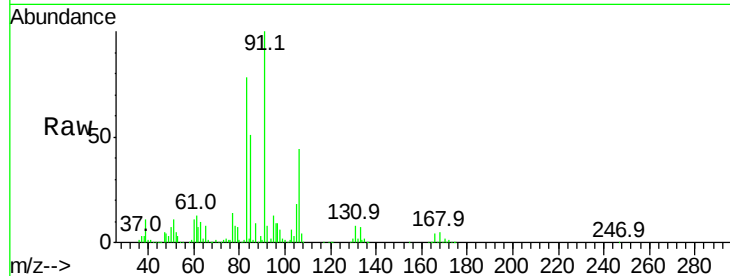
Tgt Ion:105 Resp: 5200500
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1





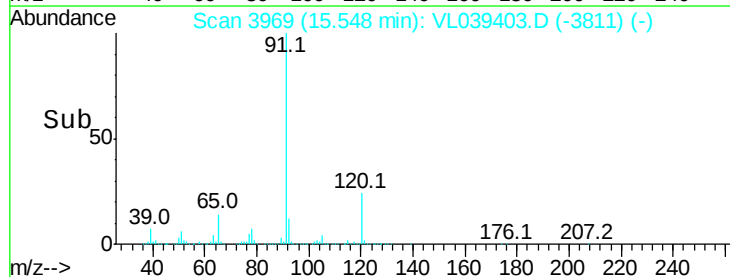
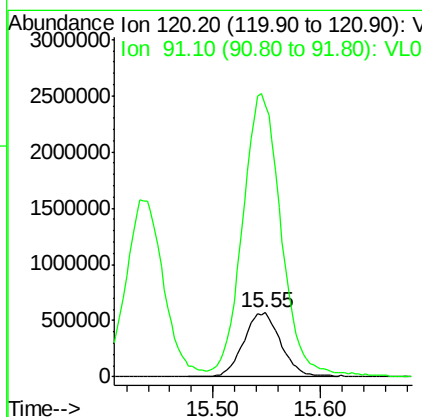
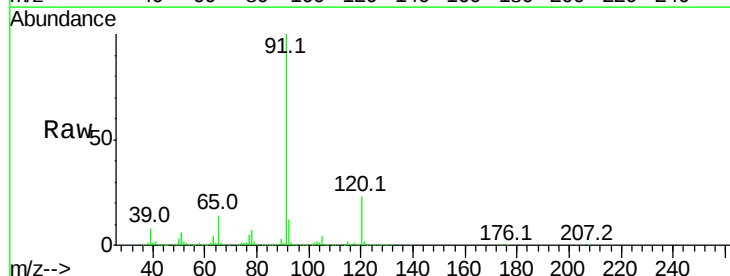
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.10 ppbv
 RT: 13.66
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0629ABS01
 Acq: 29 Jun 2022 19:30

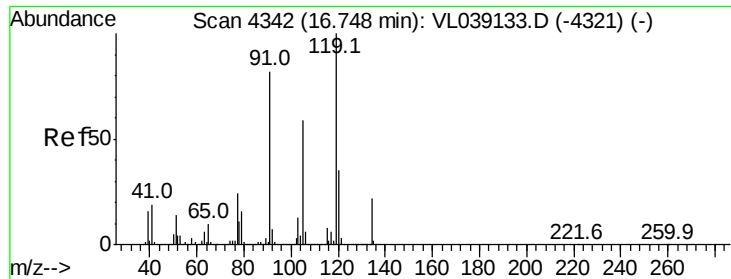
Tgt Ion:	83	Resp:	1686001
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.8
85	66.2	33.1	99.5



#64
 n-propylbenzene
 Concen: 7.86 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. 0.01 min
 Lab File: VL039403.D
 Acq: 29 Jun 2022 19:36

Tgt Ion:	120	Resp:	1373095
Ion	Ratio	Lower	Upper
120	100		
91	458.9	367.2	550.8

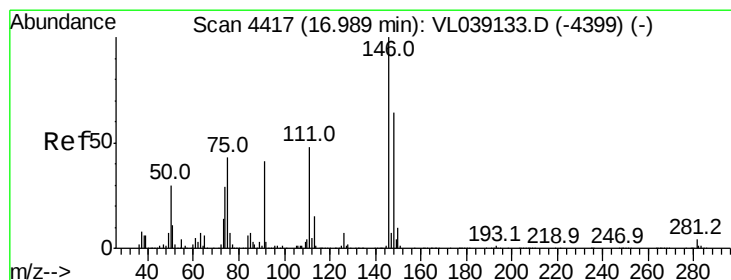
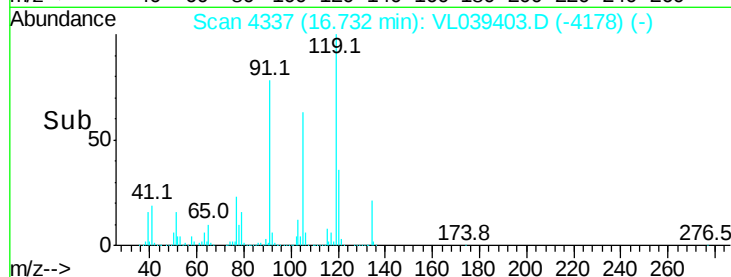
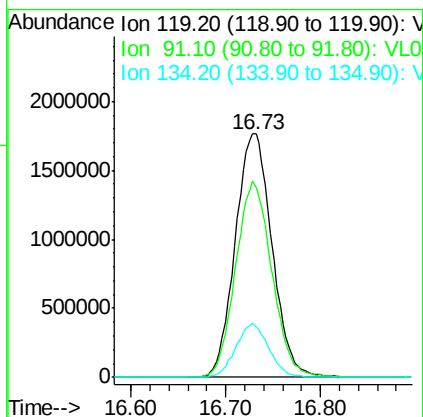
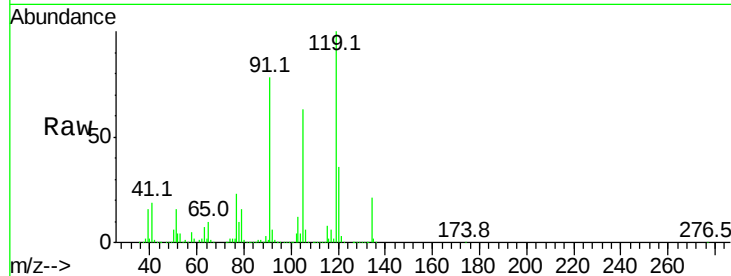




#65
 tert-Butylbenzene
 Concen: 7.48 ppbv
 RT: 16.73 min
 Delta R.T. 0.01 min
 Lab File: VL0629ABS01
 Acq: 29 Jun 2022 19:30

Tgt Ion: 119 Resp: 4763116

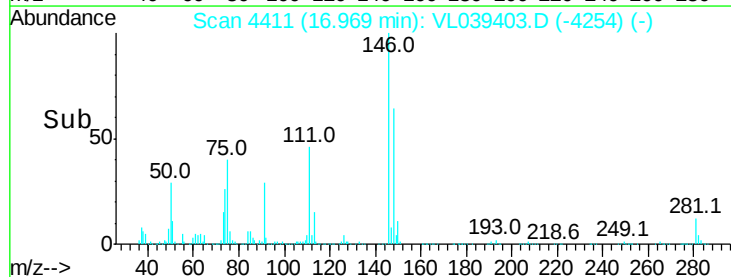
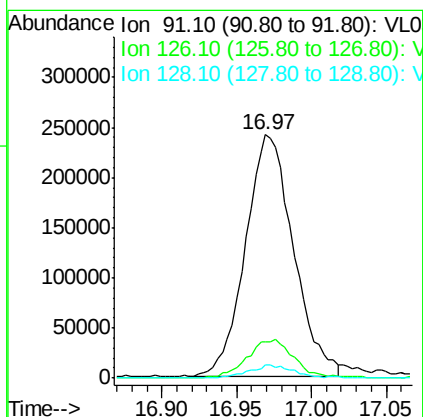
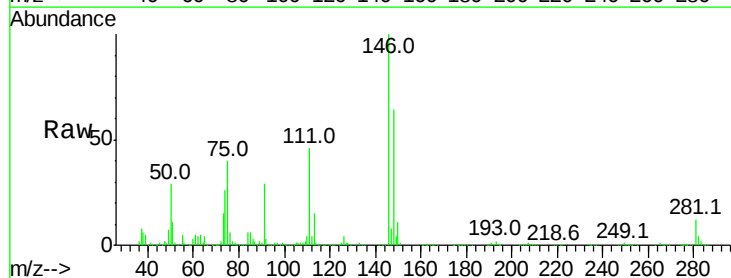
Ion	Ratio	Lower	Upper
119	100		
91	79.6	63.4	95.2
134	19.9	15.9	23.9

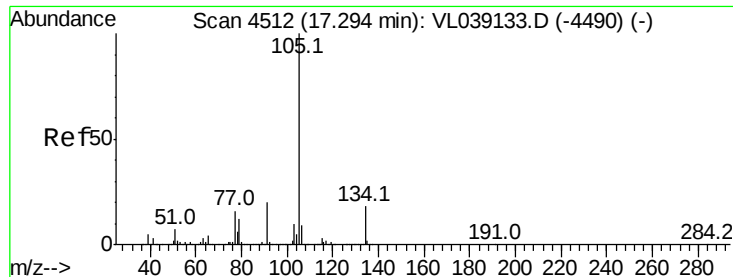


#66
 Benzyl Chloride
 Concen: 8.83 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. 0.01 min
 Lab File: VL039403.D
 Acq: 29 Jun 2022 19:36

Tgt Ion: 91 Resp: 534860

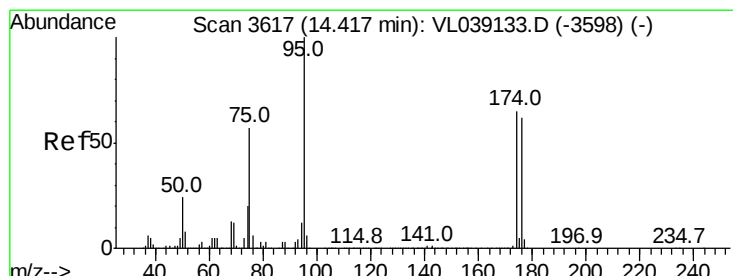
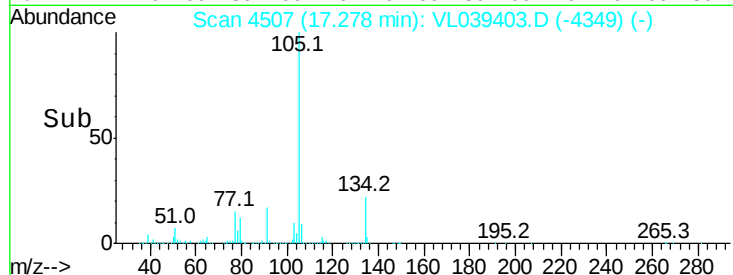
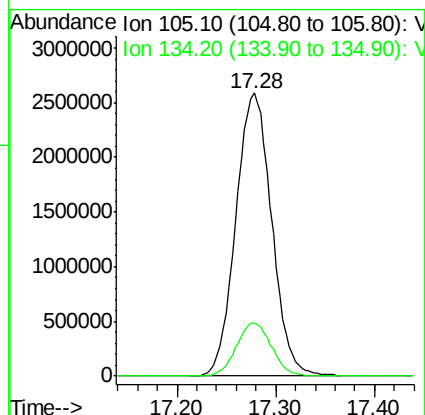
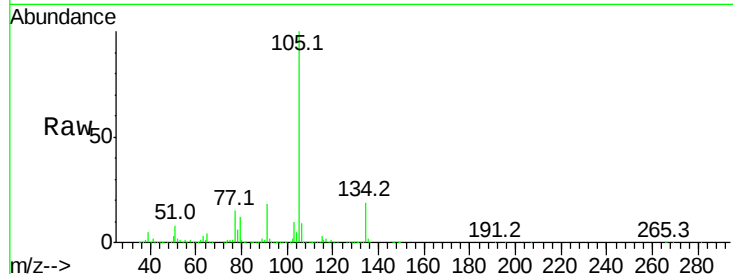
Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.1	19.7
128	5.3	4.4	6.6





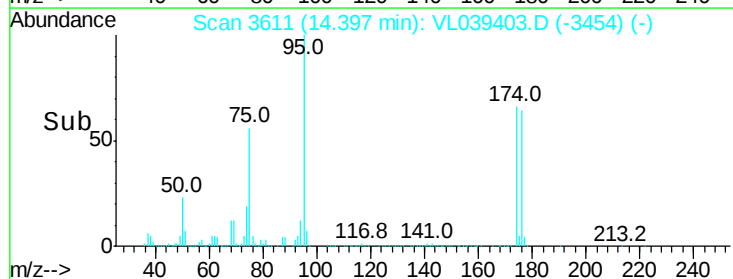
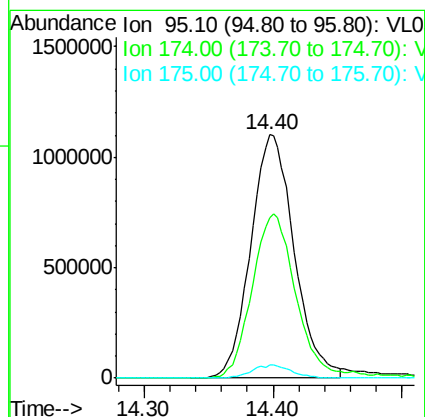
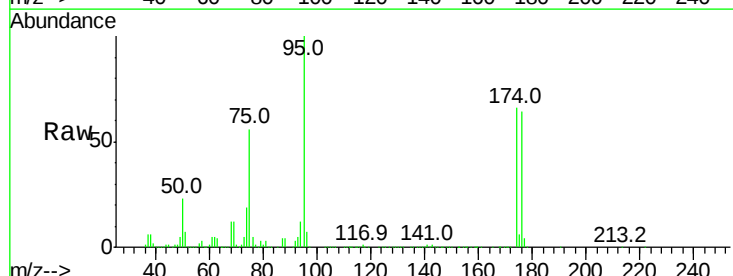
#67
 sec-Butylbenzene
 Concen: 7.60 ppbv
 RT: 17.28 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0629ABS01
 Acq: 29 Jun 2022 19:30

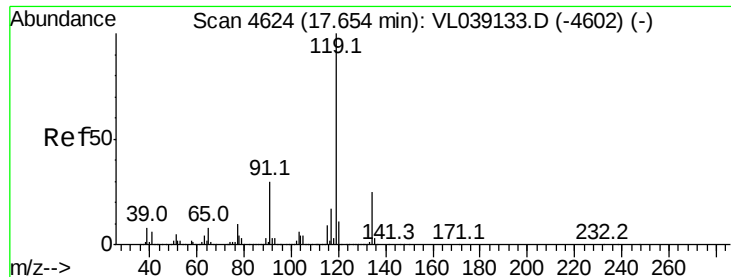
Tgt Ion: 105 Resp: 6523122
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.28 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.01 min
 Lab File: VL039403.D
 Acq: 29 Jun 2022 19:36

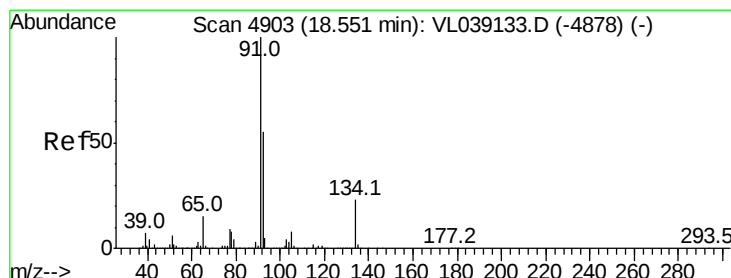
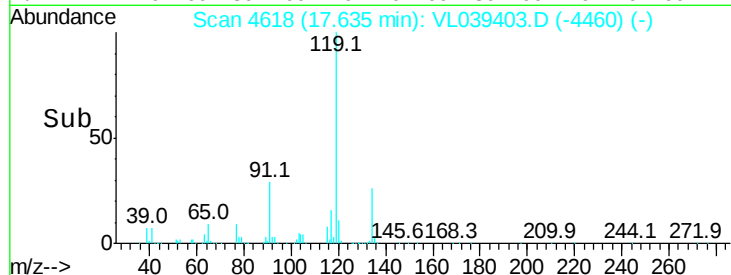
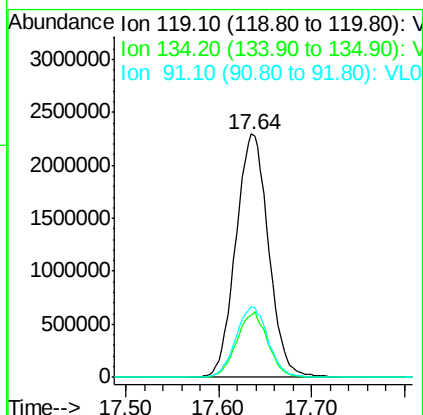
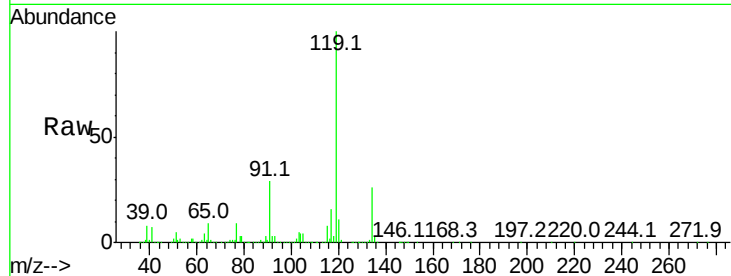
Tgt Ion: 95 Resp: 2579994
 Ion Ratio Lower Upper
 95 100
 174 70.1 55.9 83.9
 175 5.2 4.2 6.4





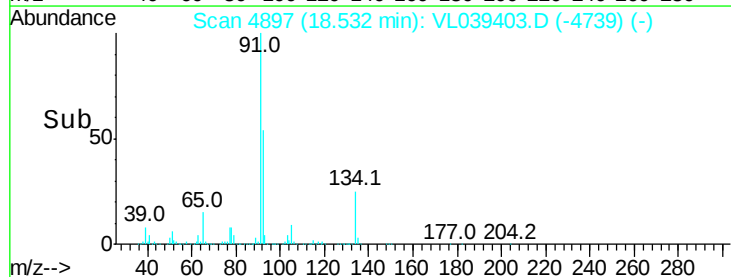
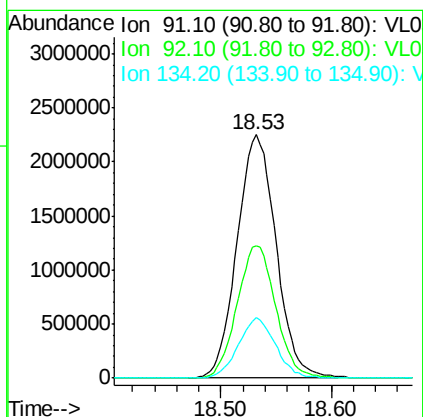
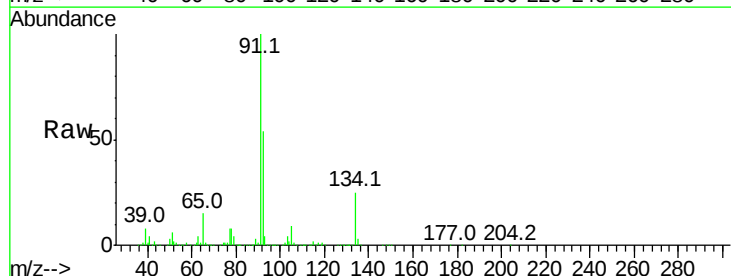
#69
 p-Isopropyltoluene
 Concen: 7.72 ppbv
 RT: 17.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0629ABS01
 Acq: 29 Jun 2022 19:30

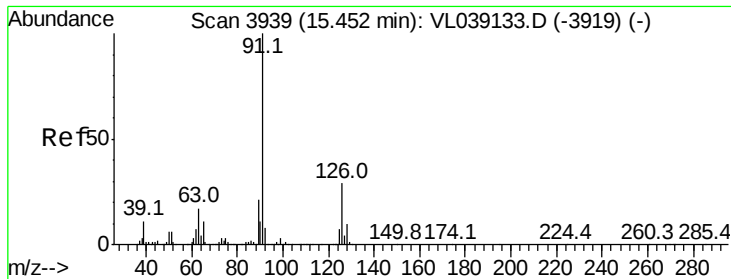
Tgt Ion: 119 Resp: 5618096
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.3 30.5
 91 28.7 22.9 34.3



#70
 n-Butylbenzene
 Concen: 7.81 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.01 min
 Lab File: VL039403.D
 Acq: 29 Jun 2022 19:36

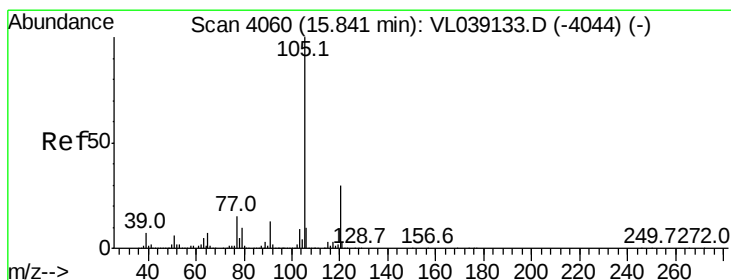
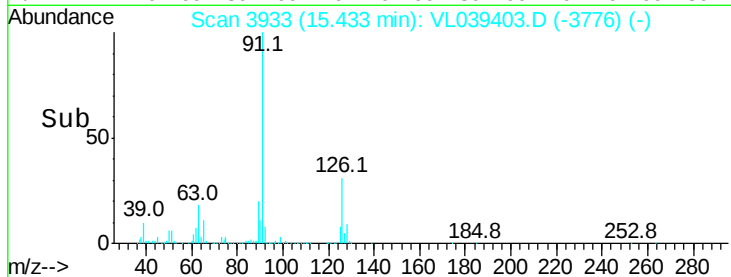
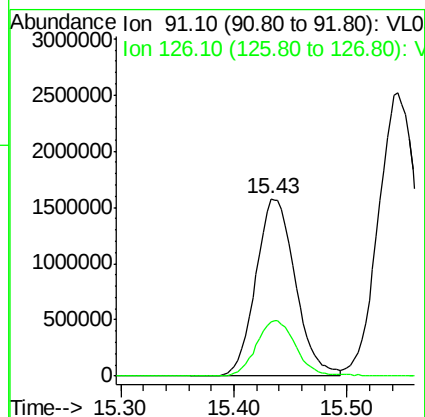
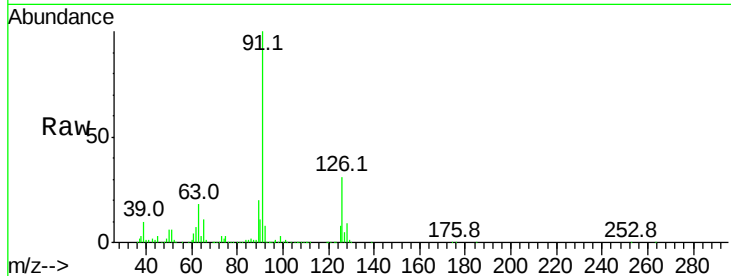
Tgt Ion: 91 Resp: 5517914
 Ion Ratio Lower Upper
 91 100
 92 54.4 43.4 65.2
 134 23.8 18.9 28.3





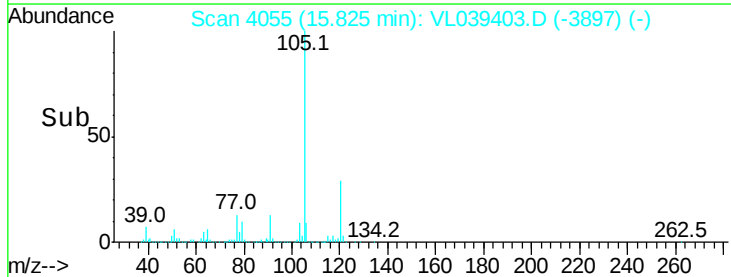
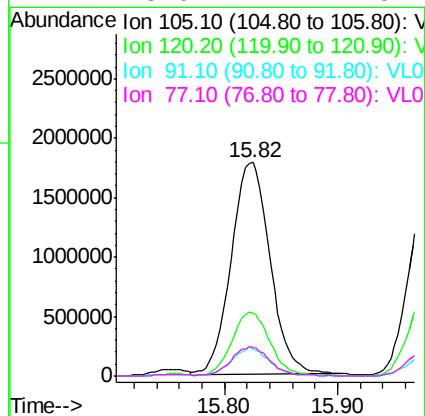
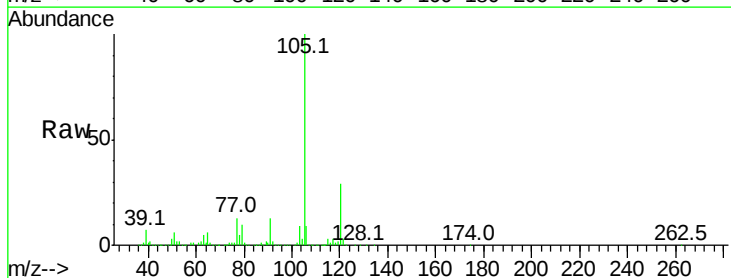
#71
 2-Chlorotoluene
 Concen: 7.75 ppbv
 RT: 15.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0629ABS01
 Acq: 29 Jun 2022 19:30

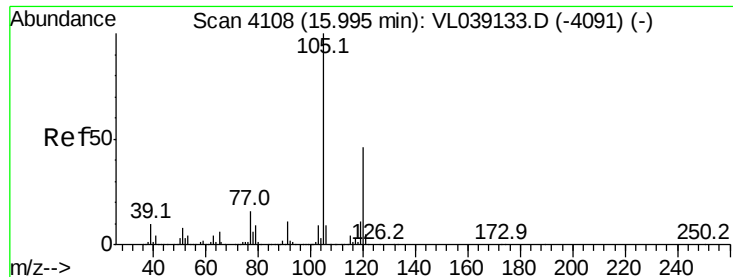
Tgt Ion: 91 Resp: 3826156
 Ion Ratio Lower Upper
 91 100
 126 32.1 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 8.03 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. 0.01 min
 Lab File: VL039403.D
 Acq: 29 Jun 2022 19:36

Tgt Ion: 105 Resp: 4277131
 Ion Ratio Lower Upper
 105 100
 120 29.8 24.2 36.2
 91 12.5 10.2 15.4
 77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.89 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

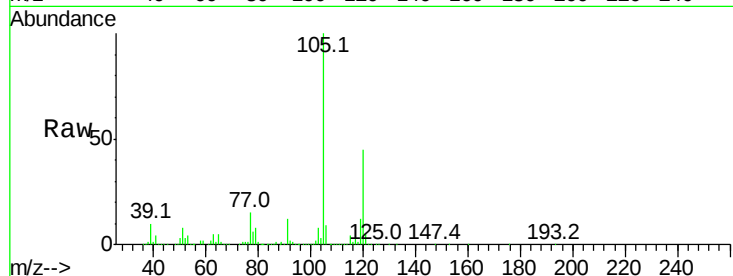
Acq: 29 Jun 2022 19:30

Tgt Ion:105 Resp: 3855150

Ion Ratio Lower Upper

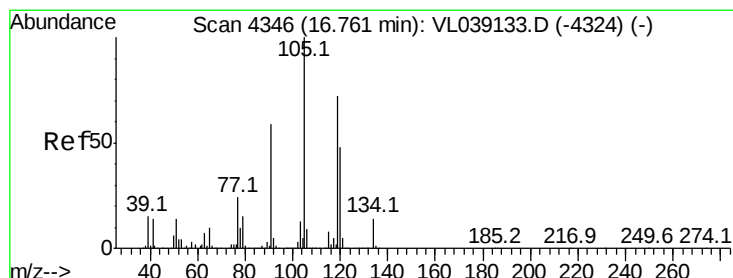
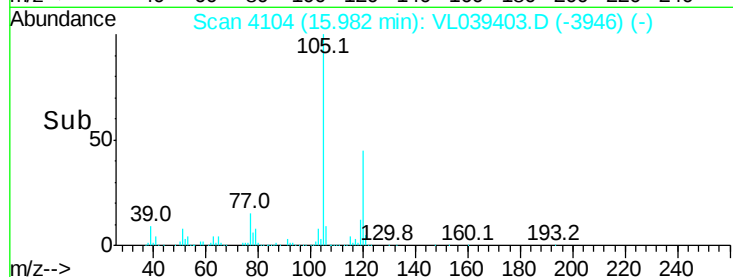
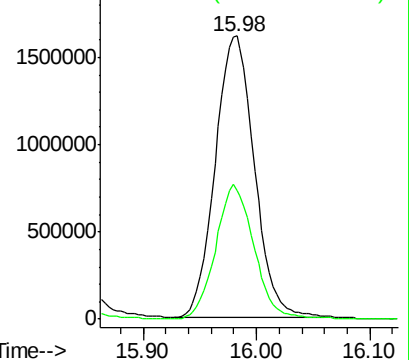
105 100

120 45.6 38.2 57.4



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: 7.73 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

Tgt Ion:105 Resp: 4181533

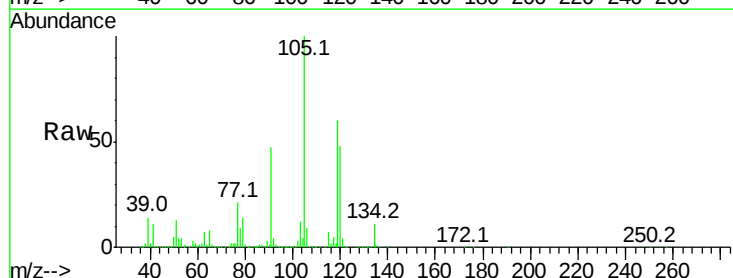
Ion Ratio Lower Upper

105 100

120 47.8 39.5 59.3

91 47.1 39.2 58.8

77 20.9 17.2 25.8

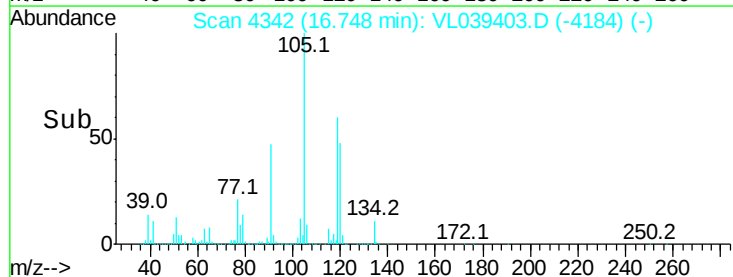
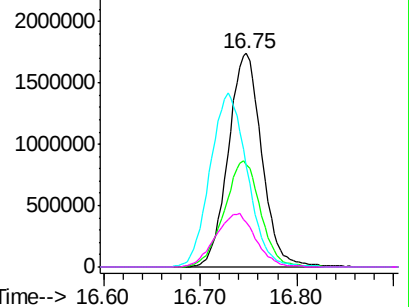


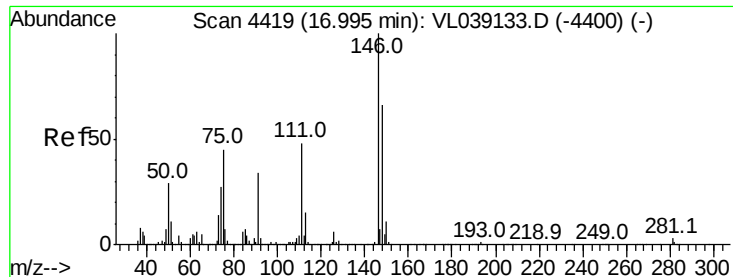
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.66 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampled :

VL0629ABS01

Acq: 29 Jun 2022 19:30

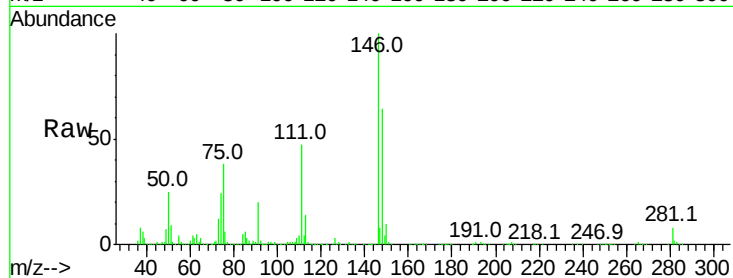
Tgt Ion:146 Resp: 2472292

Ion Ratio Lower Upper

146 100

111 46.4 22.9 68.7

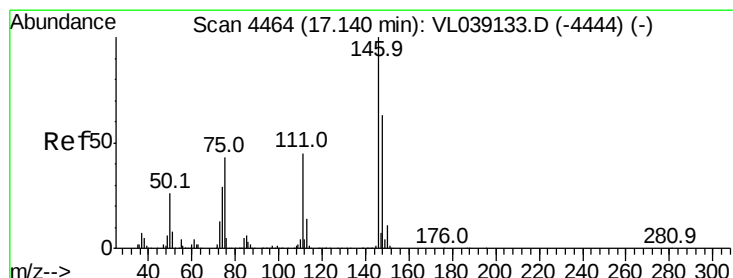
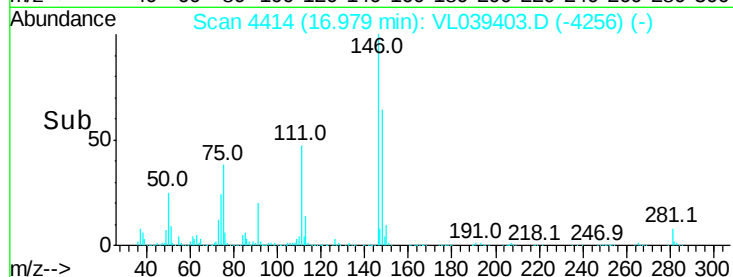
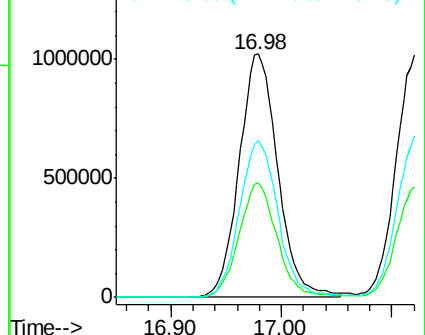
148 64.5 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.45 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

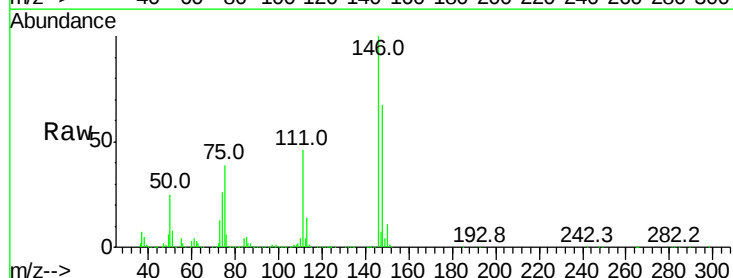
Tgt Ion:146 Resp: 2382915

Ion Ratio Lower Upper

146 100

111 46.2 22.9 68.8

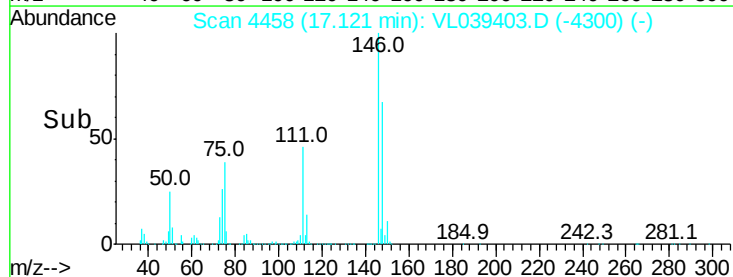
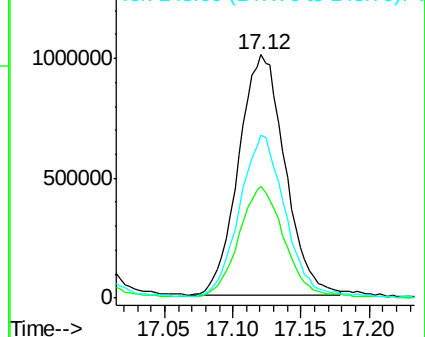
148 67.6 33.6 100.8

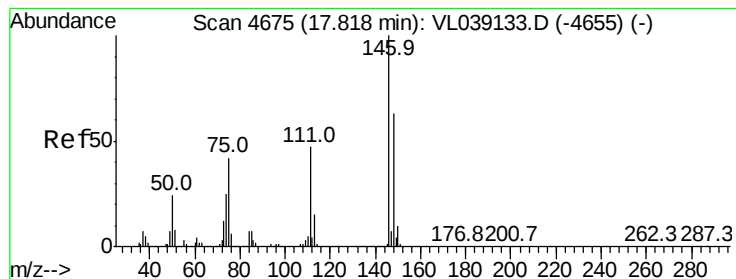


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.49 ppbv

RT: 17.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Jun 2022 19:30

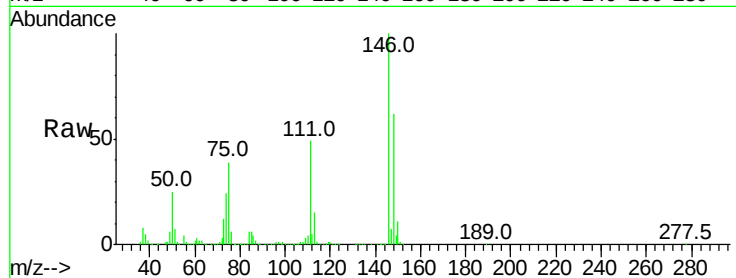
Tgt Ion:146 Resp: 2394190

Ion Ratio Lower Upper

146 100

111 48.3 23.8 71.5

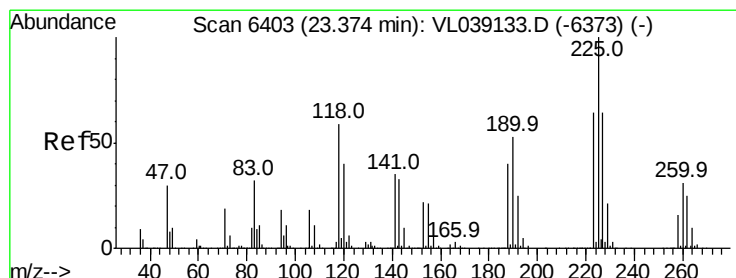
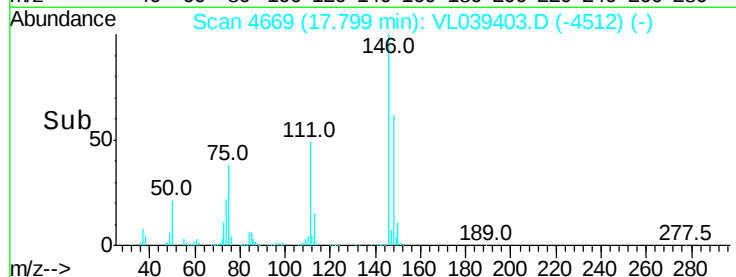
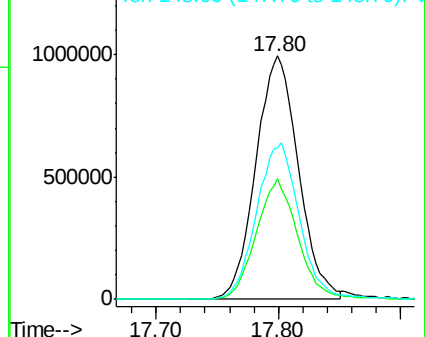
148 65.1 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.73 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. 0.01 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

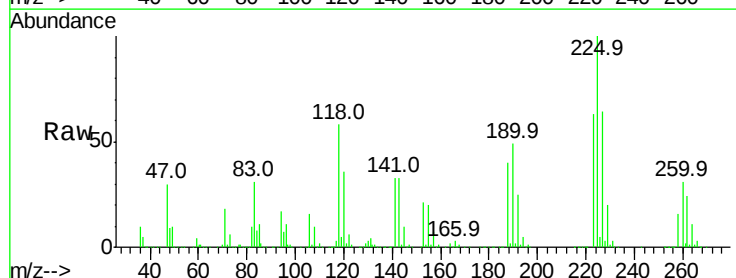
Tgt Ion:225 Resp: 1731245

Ion Ratio Lower Upper

225 100

223 63.5 51.8 77.6

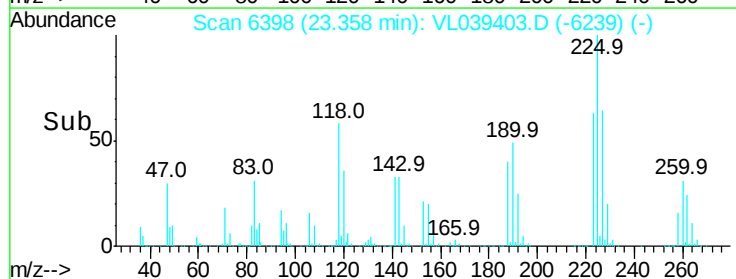
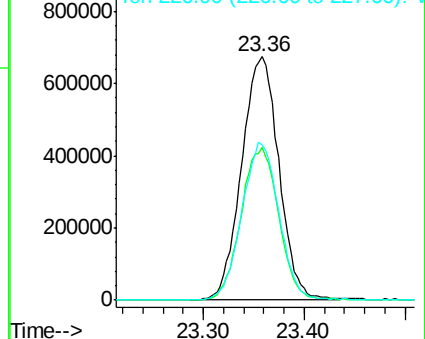
227 64.7 51.4 77.2

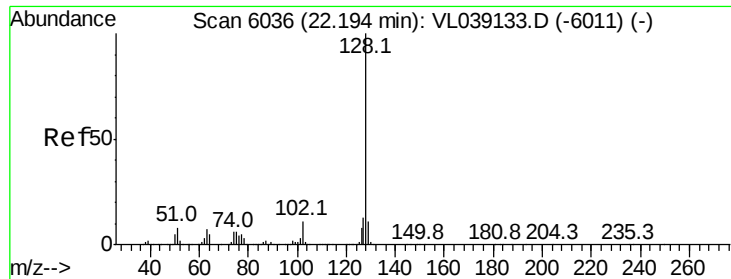


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.02 ppbv

RT: 22.17

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Jun 2022 19:30

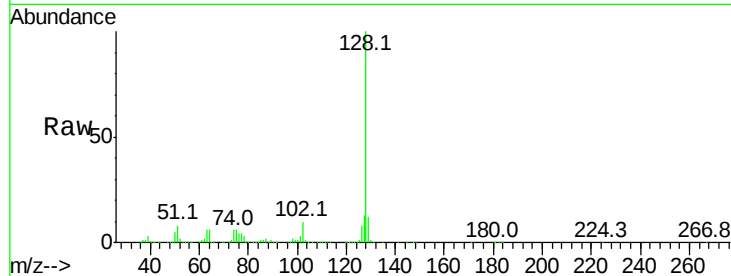
Tgt Ion:128 Resp: 3357598

Ion Ratio Lower Upper

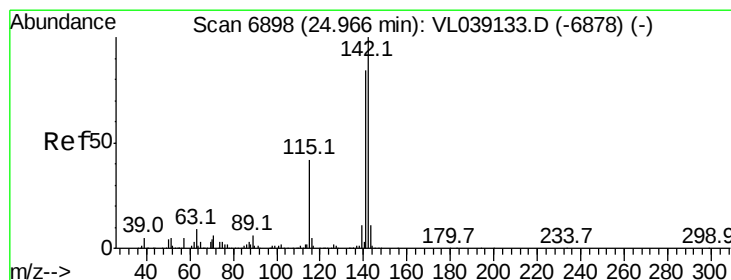
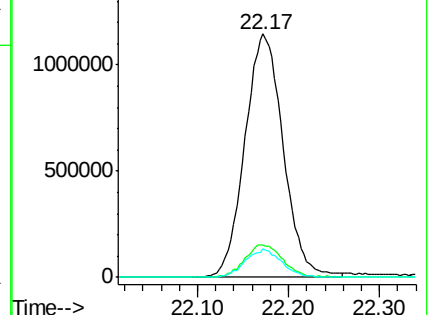
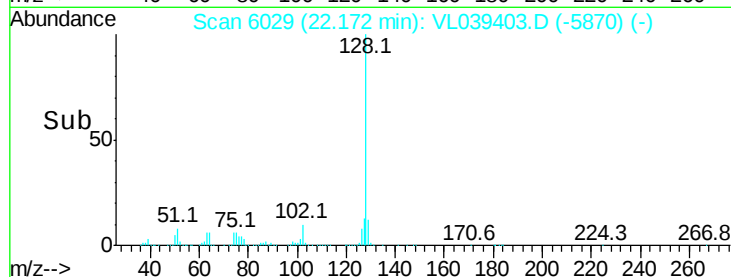
128 100

127 13.5 10.6 15.8

129 11.7 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: 9.48 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. 0.01 min

Lab File: VL039403.D

Acq: 29 Jun 2022 19:36

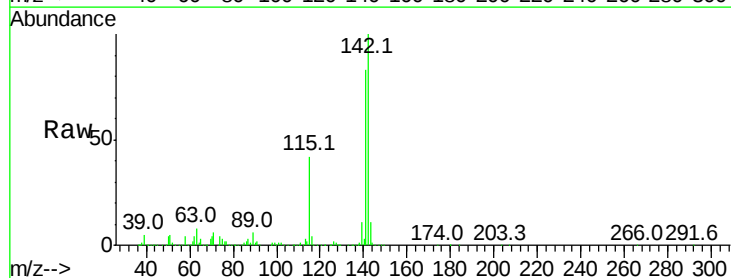
Tgt Ion:142 Resp: 1200404

Ion Ratio Lower Upper

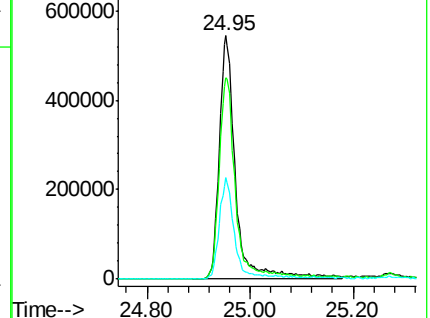
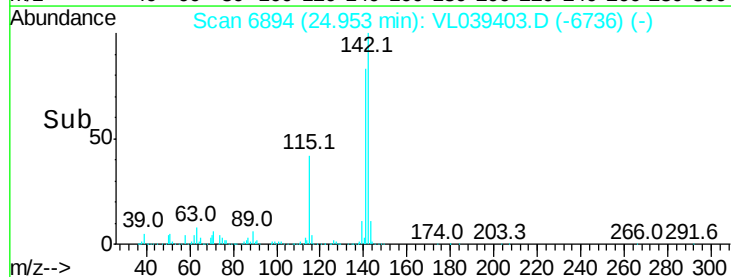
142 100

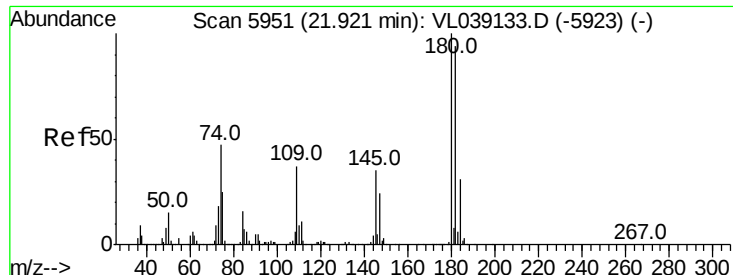
141 81.1 68.9 103.3

115 40.3 30.0 45.0



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





#81

1,2,4-Trichlorobenzene

Concen: 7.97 ppbv

RT: 21.90 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 19:30 VL0629ABS01

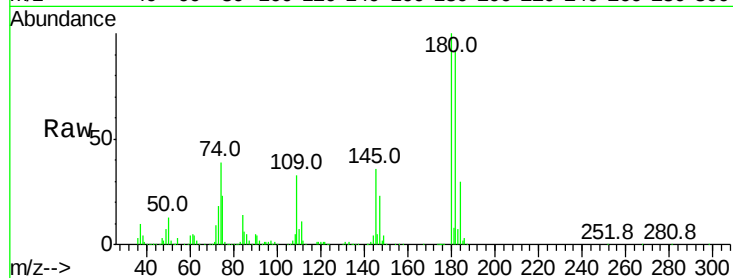
Tgt Ion:180 Resp: 1931152

Ion Ratio Lower Upper

180 100

182 95.9 77.1 115.7

184 30.6 24.3 36.5



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

