

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071322\
 Data File : VL039471.D
 Acq On : 13 Jul 2022 19:04
 Operator : SY/AP
 Sample : VL0712ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Quant Time: Jul 14 01:21:54 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1253201	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3495564	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4087788	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2606685	8.60	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	2334806	12.92	ppbv	98
3) Chlorodifluoromethane	3.00	51	1419031	8.93	ppbv	98
4) Chloromethane	3.15	50	831403	9.56	ppbv	97
5) Vinyl Chloride	3.27	62	747296	8.72	ppbv	96
6) Bromomethane	3.48	94	315084	8.73	ppbv	99
7) Chloroethane	3.57	64	262334	8.60	ppbv	96
8) Dichlorotetrafluoroethane	3.20	85	1806698	9.15	ppbv	99
9) Propene	3.02	41	677149	9.43	ppbv	98
10) Heptane	8.13	43	1660088	9.87	ppbv	99
11) Trichlorofluoromethane	3.96	101	1739669	8.64	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1275553	8.49	ppbv	98
13) Ethanol	3.62	45	24496	5.88	ppbv	89
14) Bromoethene	3.75	108	577075	9.14	ppbv	98
15) Acetone	3.85	43	1328550	8.96	ppbv	100
16) 1,3-Butadiene	3.34	39	731395	9.51	ppbv	99
17) tert-Butyl alcohol	4.29	59	1207566	9.60	ppbv	99
18) 1,1-Dichloroethene	4.30	96	601387	8.84	ppbv	96
19) Isopropyl Alcohol	3.97	45	657230	8.31	ppbv #	97
20) Methylene Chloride	4.35	84	497526	8.42	ppbv	98
21) Allyl Chloride	4.42	41	964184	9.39	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	589679	8.95	ppbv	95
23) Vinyl Acetate	5.08	43	1120865	11.31	ppbv	97
24) 1,1-Dichloroethane	5.02	63	1446956	10.34	ppbv	98
25) Ethyl Acetate	5.68	43	3001127	9.87	ppbv	100
26) Hexane	5.70	57	1273459	10.39	ppbv	98
27) Carbon Disulfide	4.56	76	1424299	9.63	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1399665	10.68	ppbv	97
29) Chloroform	5.76	83	1945001	9.13	ppbv	97
30) Cyclohexane	7.14	84	1095810	9.82	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1242052	9.55	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1936751	9.21	ppbv	100
34) 2-Butanone	5.25	43	1751513	9.95	ppbv	100
35) Carbon Tetrachloride	7.03	117	2022315	9.36	ppbv	97
36) Benzene	6.90	78	2635983	9.74	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1472067	9.22	ppbv	100
38) Trichloroethene	7.85	130	1353651	9.25	ppbv	98
39) 1,2-Dichloropropane	7.63	63	978737	9.68	ppbv	97
40) 1,4-Dioxane	7.84	88	305580	7.59	ppbv #	1
41) Tetrahydrofuran	6.06	42	1058660	10.38	ppbv	98
42) Bromodichloromethane	7.80	83	2108430	9.79	ppbv	99
43) Methyl Methacrylate	8.02	69	1079500	10.49	ppbv	99

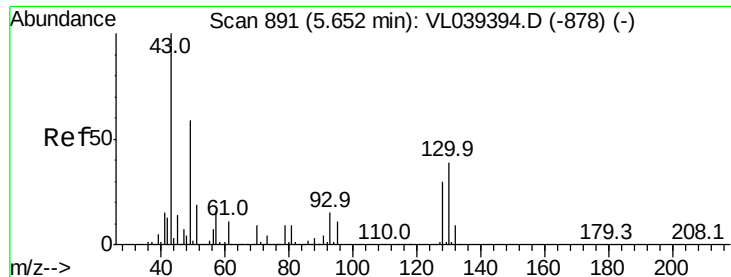
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071322\
 Data File : VL039471.D
 Acq On : 13 Jul 2022 19:04
 Operator : SY/AP
 Sample : VL0712ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Quant Time: Jul 14 01:21:54 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
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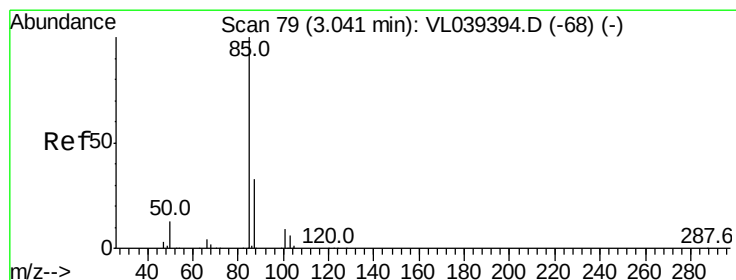
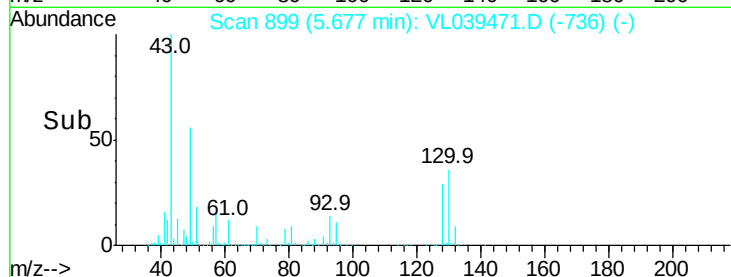
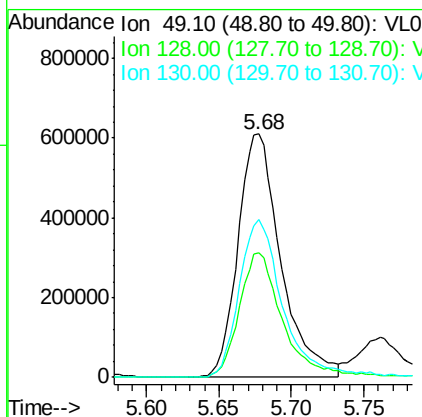
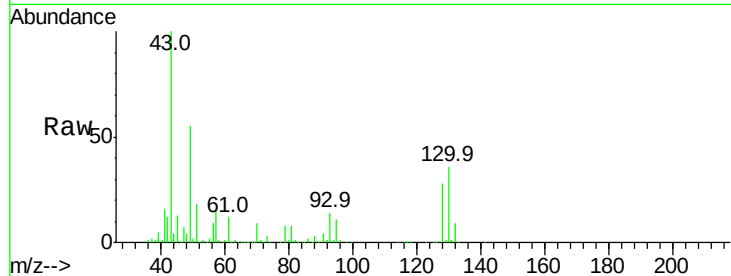
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4362258	9.52	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1075456	11.74	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1402515	11.13	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1093228	9.64	ppbv	97
48) Dibromochloromethane	10.31	129	1874701	10.40	ppbv	100
49) Bromoform	13.05	173	1606135	11.05	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2782160	10.46	ppbv	99
51) 2-Hexanone	10.14	43	2148413	10.68	ppbv #	99
52) Tetrachloroethene	11.23	164	1027855	9.44	ppbv	98
53) Toluene	9.82	91	3166313	10.15	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1426796	10.11	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1377772	7.63	ppbv	95
57) Chlorobenzene	12.16	112	2397483	7.56	ppbv	98
58) Ethyl Benzene	12.72	91	4230764	8.02	ppbv	98
59) m/p-Xylene	13.01	91	4129593	8.87	ppbv #	49
60) o-Xylene	13.70	91	3443302	7.81	ppbv	100
61) Styrene	13.54	104	2091234	8.76	ppbv	100
62) Isopropylbenzene	14.67	105	5117947	7.63	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1655149	7.17	ppbv	100
64) n-propylbenzene	15.57	120	1341158	7.89	ppbv	98
65) tert-Butylbenzene	16.75	119	4638528	7.48	ppbv	99
66) Benzyl Chloride	16.99	91	518299	8.80	ppbv	100
67) sec-Butylbenzene	17.30	105	6341672	7.59	ppbv	99
69) p-Isopropyltoluene	17.66	119	5488616	7.74	ppbv	99
70) n-Butylbenzene	18.55	91	5355006	7.79	ppbv	100
71) 2-Chlorotoluene	15.46	91	3783369	7.88	ppbv	99
72) 4-Ethyltoluene	15.84	105	4191312	8.09	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3767363	7.92	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4026918	7.65	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2399557	7.64	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2357830	7.58	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2334078	7.50	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1670484	6.67	ppbv	99
79) Naphthalene	22.20	128	3228265	8.91	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	1060905	8.60	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1867138	7.91	ppbv	99

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



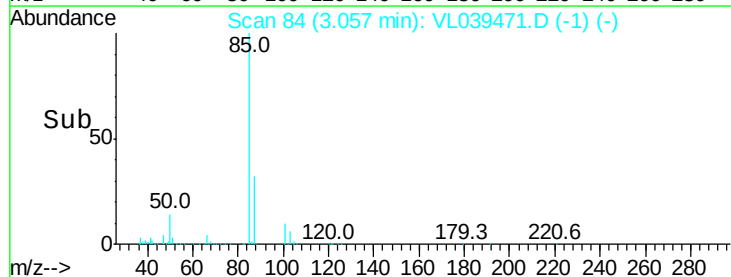
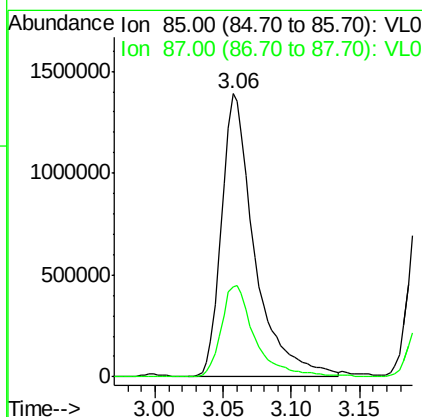
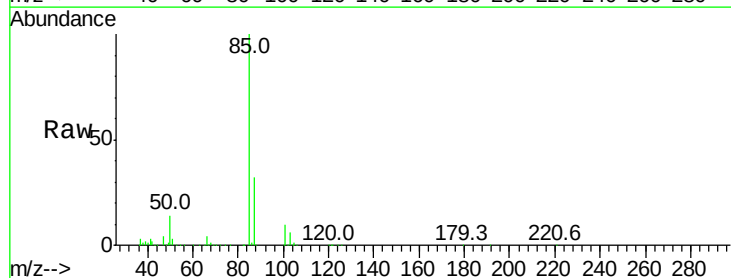
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0713ABS01
 Acq: 13 Jul 2022 19:04

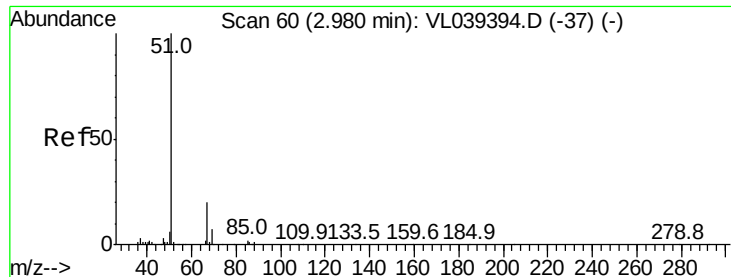
Tgt Ion: 49 Resp: 1253201
 Ion Ratio Lower Upper
 49 100
 128 52.8 26.7 80.0
 130 67.5 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 12.92 ppbv
 RT: 3.06 min Scan# 84
 Delta R.T.: 0.02 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

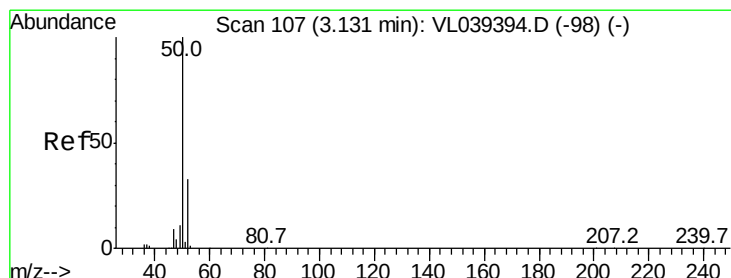
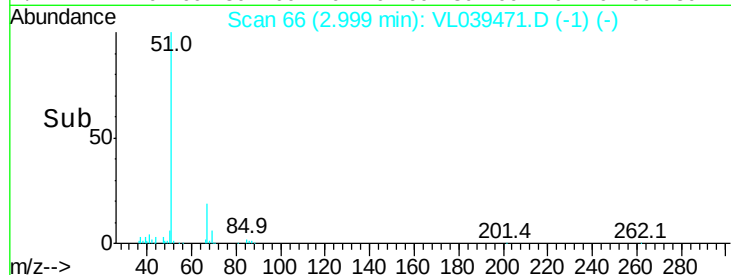
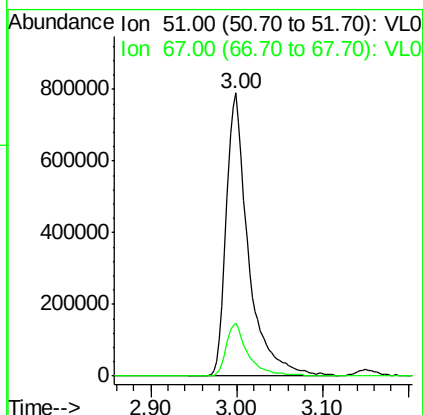
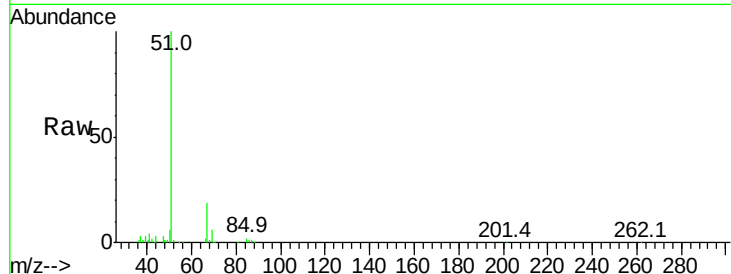
Tgt Ion: 85 Resp: 2334806
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.7 40.1





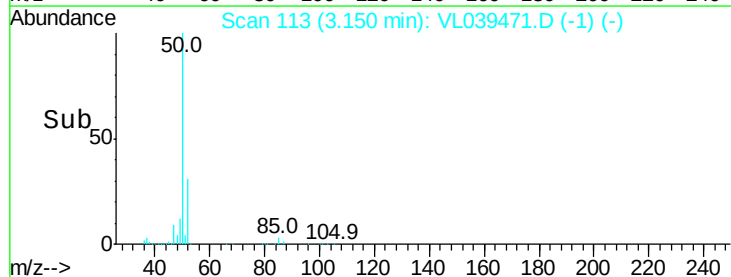
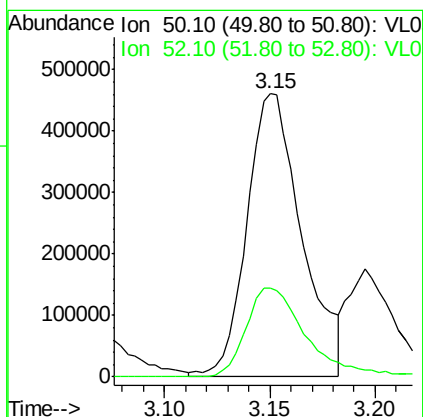
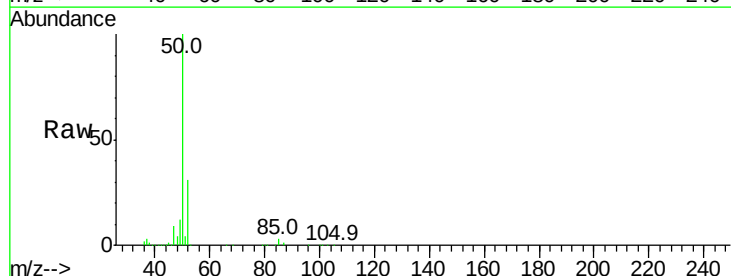
#3
 Chlorodifluoromethane
 Concen: 8.93 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0713ABS01
 Acq: 13 Jul 2022 19:04

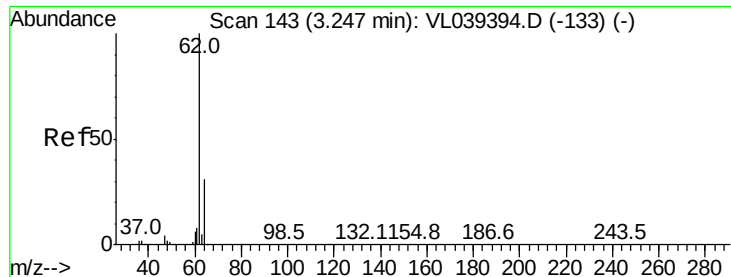
Tgt Ion: 51 Resp: 1419031
 Ion Ratio Lower Upper
 51 100
 67 18.5 15.7 23.5



#4
 Chloromethane
 Concen: 9.56 ppbv
 RT: 3.15 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

Tgt Ion: 50 Resp: 831403
 Ion Ratio Lower Upper
 50 100
 52 31.7 26.5 39.7





#5

Vinyl Chloride

Concen: 8.72 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0713ABS01

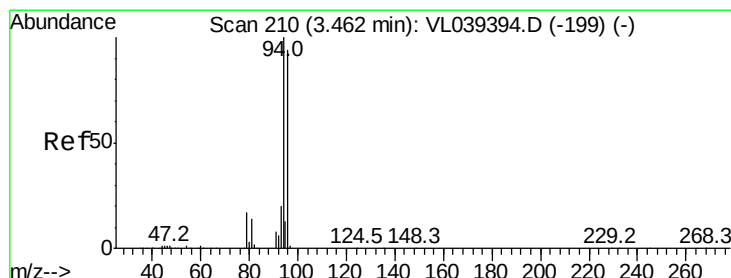
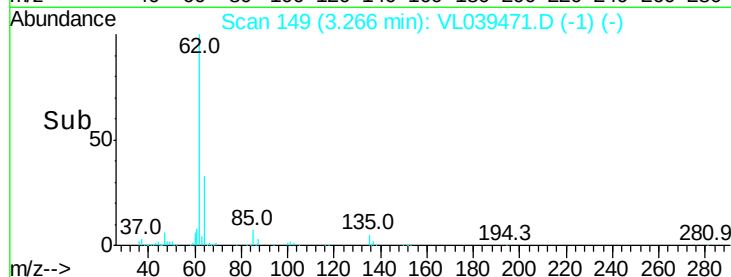
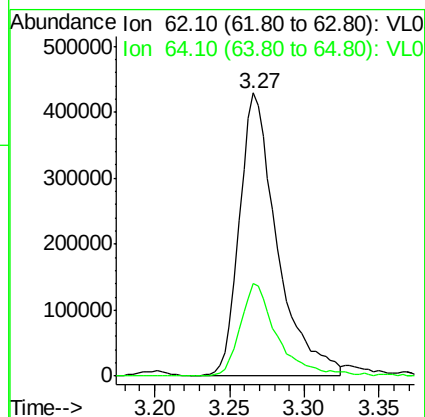
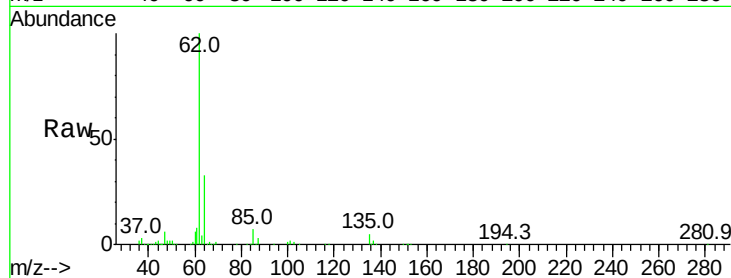
Acq: 13 Jul 2022 19:04

Tgt Ion: 62 Resp: 747296

Ion Ratio Lower Upper

62 100

64 32.7 24.6 36.8



#6

Bromomethane

Concen: 8.73 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL039471.D

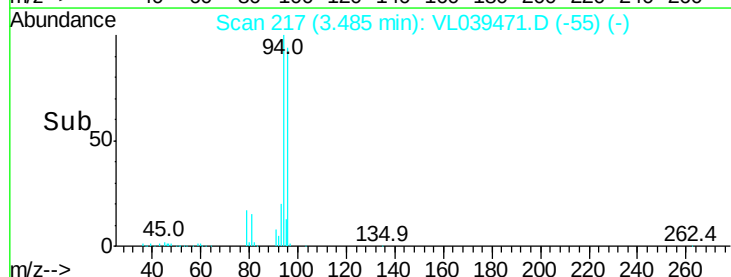
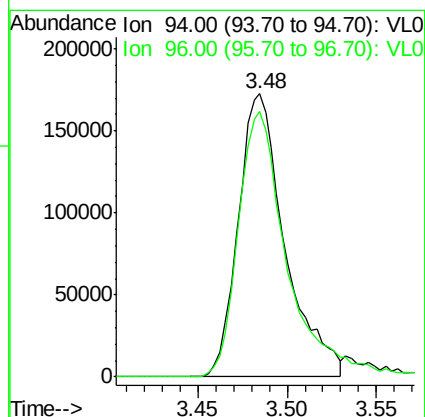
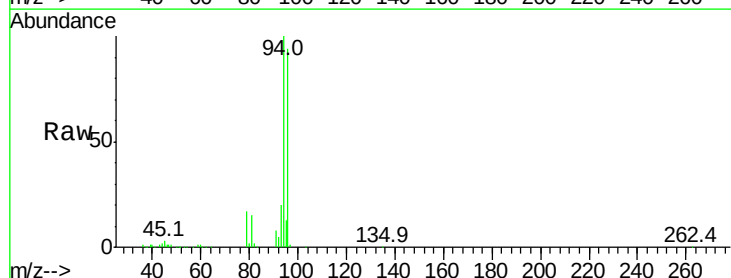
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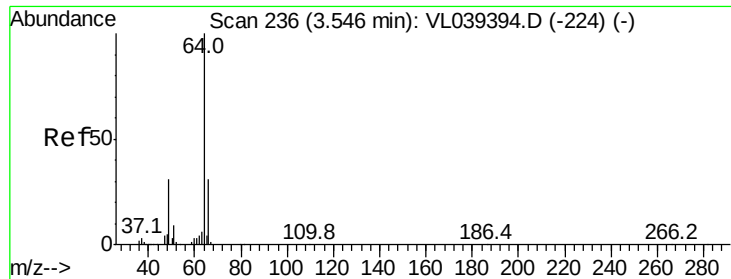
Tgt Ion: 94 Resp: 315084

Ion Ratio Lower Upper

94 100

96 93.7 75.6 113.4





#7

Chloroethane

Concen: 8.60 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

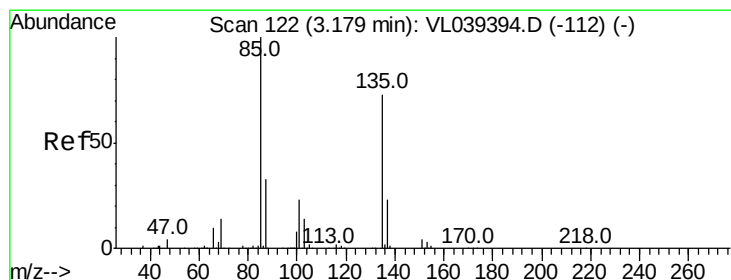
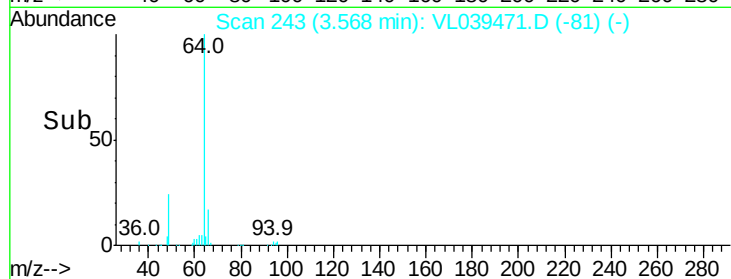
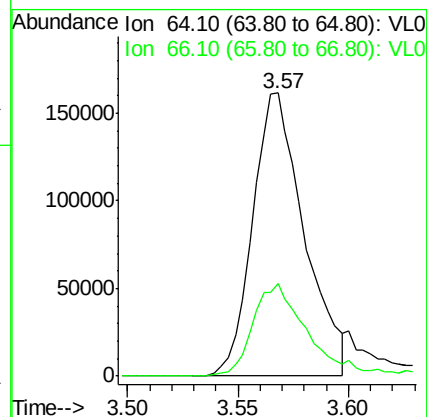
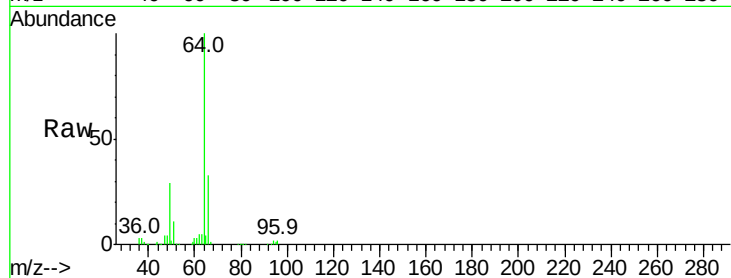
Acq: 13 Jul 2022 19:04 VL0713ABS01

Tgt Ion: 64 Resp: 262334

Ion Ratio Lower Upper

64 100

66 32.9 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.15 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL039471.D

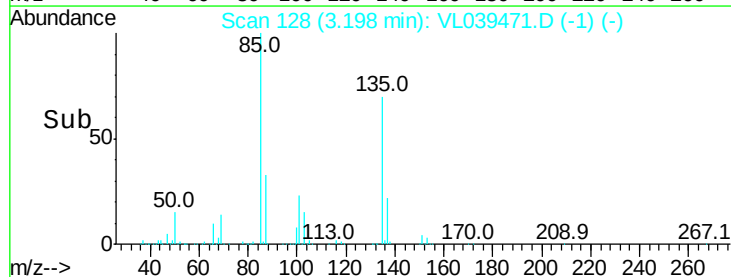
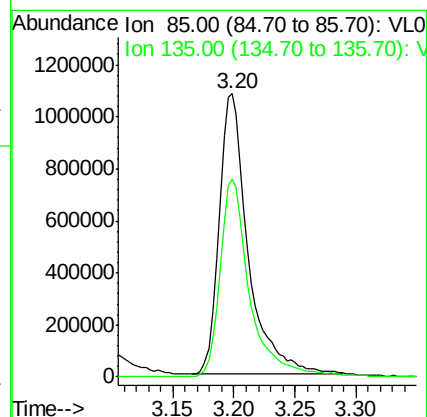
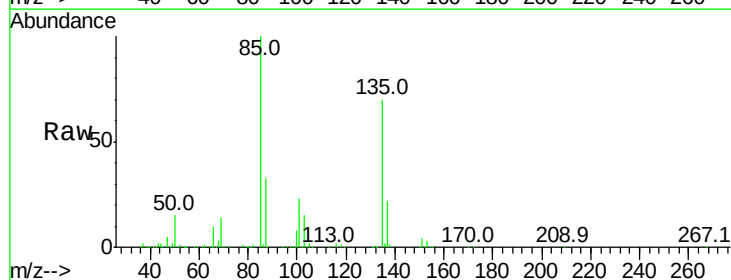
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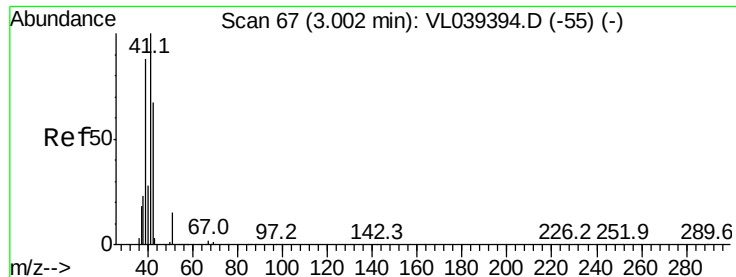
Tgt Ion: 85 Resp: 1806698

Ion Ratio Lower Upper

85 100

135 72.9 59.0 88.4





#9

Propene

Concen: 9.43 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: VL0713ABS01 ClientSampleId:

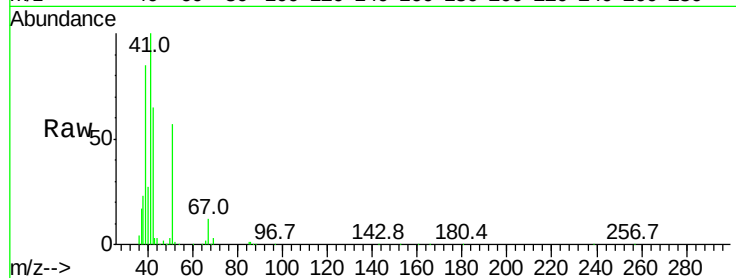
Acq: 13 Jul 2022 19:04

Tgt Ion: 41 Resp: 677149

Ion Ratio Lower Upper

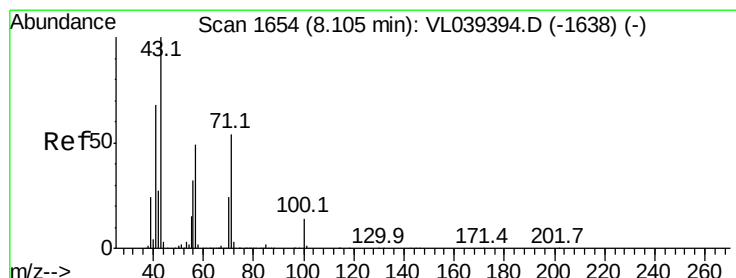
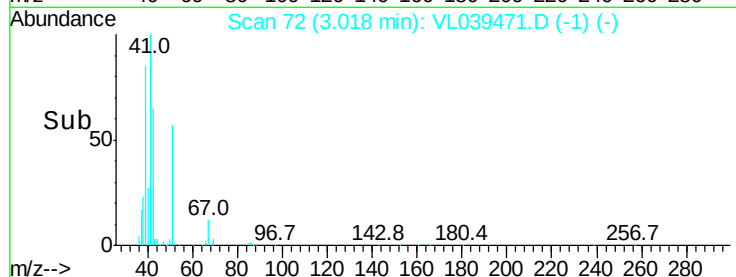
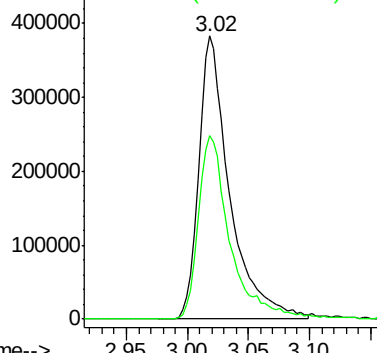
41 100

42 67.3 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.87 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.03 min

Lab File: VL039471.D

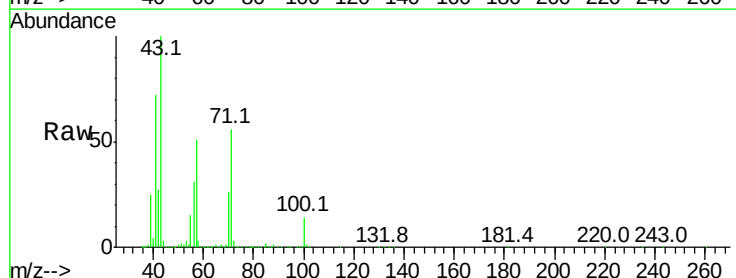
Acq: 13 Jul 2022 19:04

Tgt Ion: 43 Resp: 1660088

Ion Ratio Lower Upper

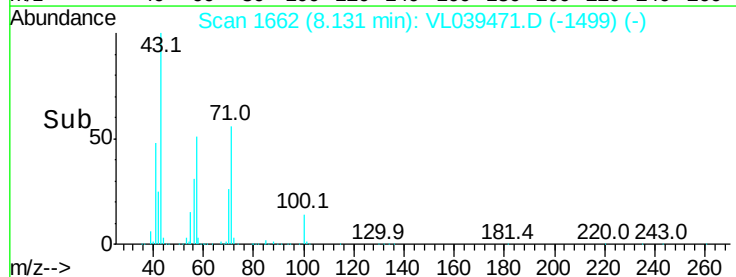
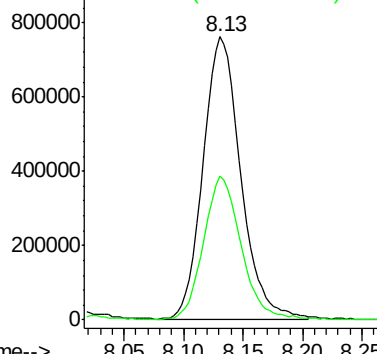
43 100

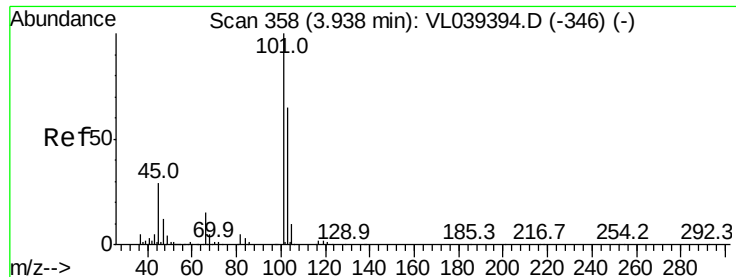
57 51.3 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

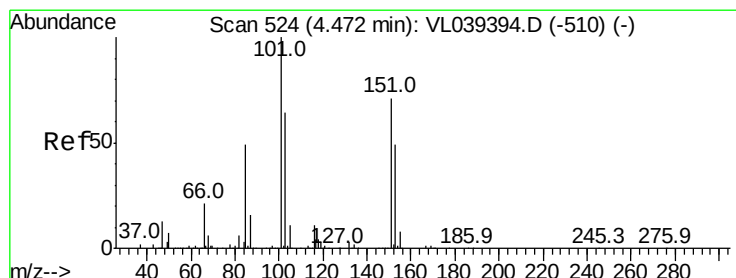
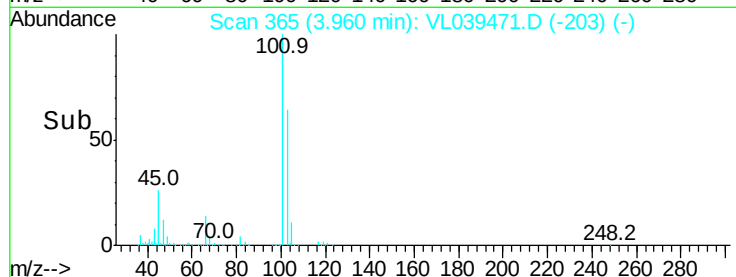
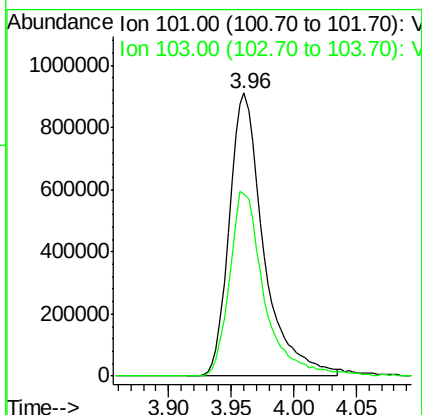
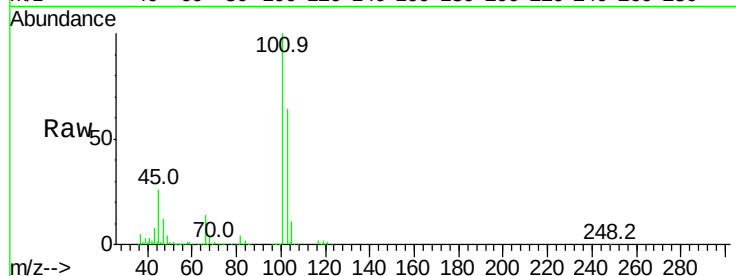
Ion 57.10 (56.80 to 57.80): VL0





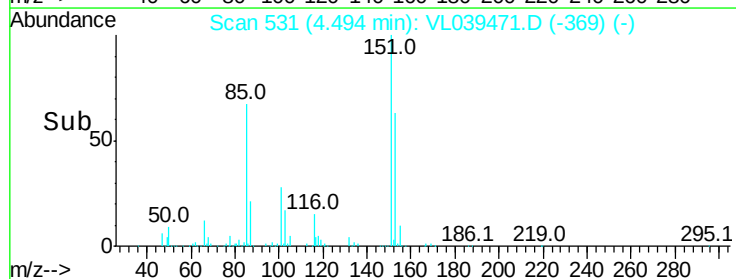
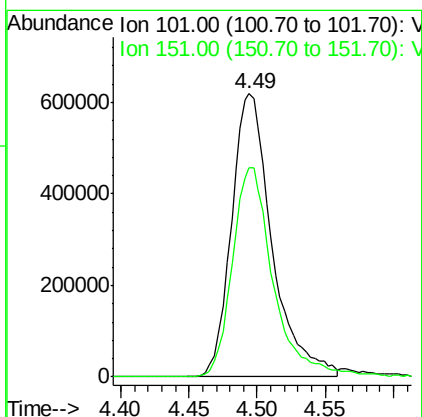
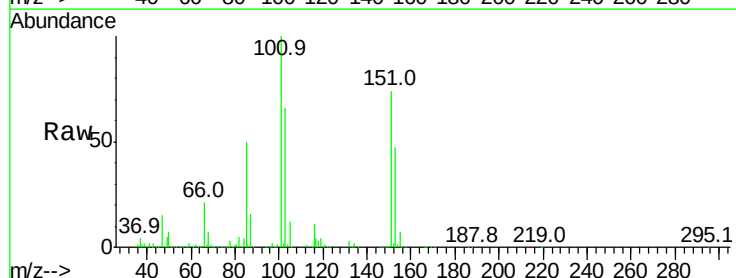
#11
 Trichlorofluoromethane
 Concen: 8.64 ppbv
 RT: 3.96
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0713ABS01
 Acq: 13 Jul 2022 19:04

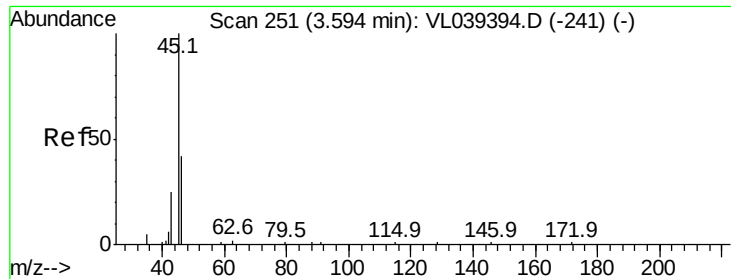
Tgt Ion:101 Resp: 1739669
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.49 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

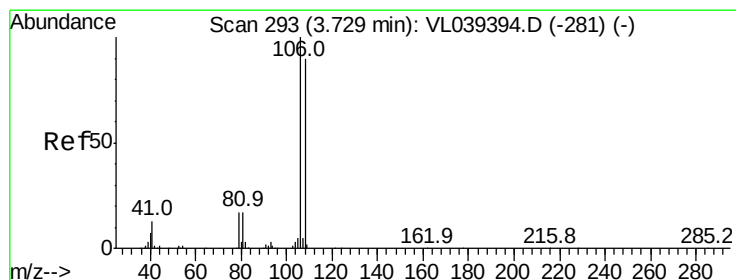
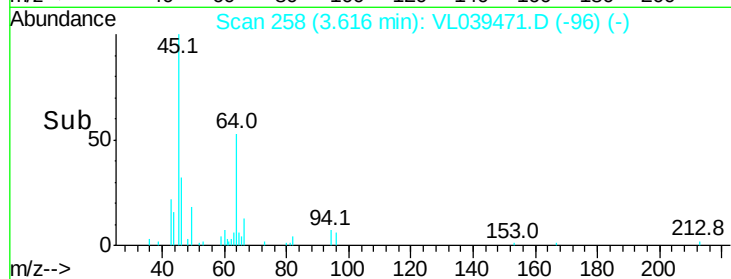
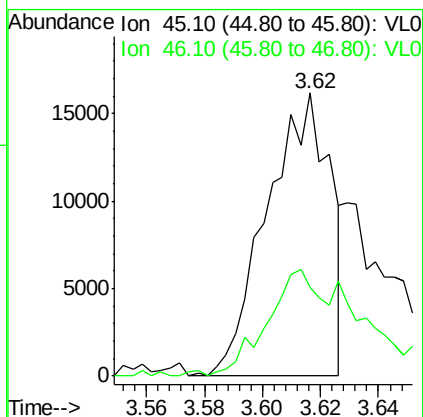
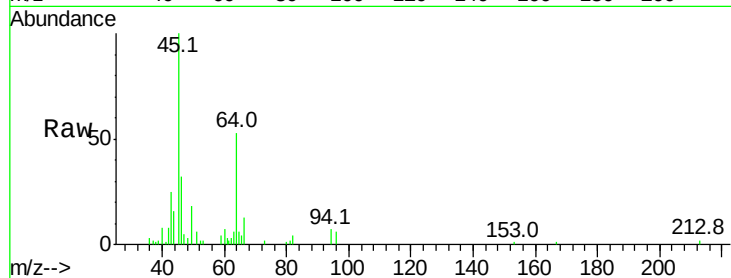
Tgt Ion:101 Resp: 1275553
 Ion Ratio Lower Upper
 101 100
 151 75.3 58.9 88.3





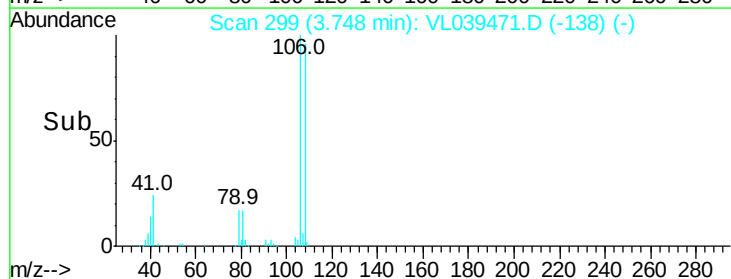
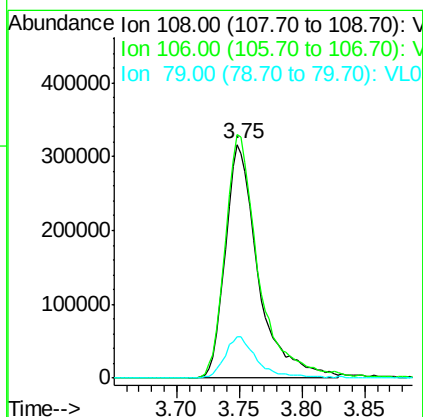
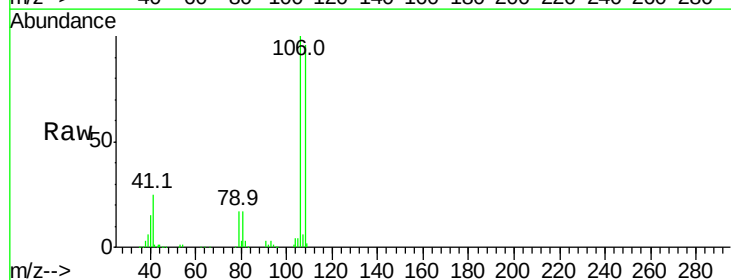
#13
Ethanol
Concen: 5.88 ppbv
RT: 3.62
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
VL0713ABS01
Acq: 13 Jul 2022 19:04

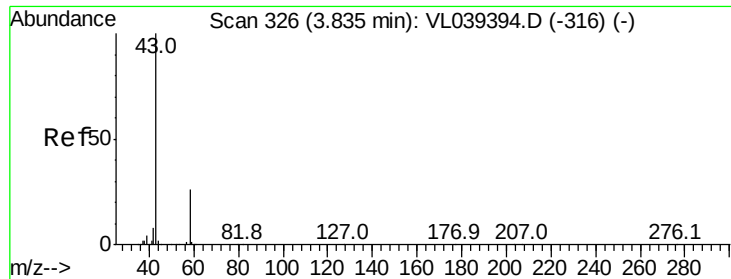
Tgt Ion: 45 Resp: 24496
Ion Ratio Lower Upper
45 100
46 64.8 22.8 91.2



#14
Bromoethene
Concen: 9.14 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.02 min
Lab File: VL039471.D
Acq: 13 Jul 2022 19:04

Tgt Ion: 108 Resp: 577075
Ion Ratio Lower Upper
108 100
106 107.3 87.1 130.7
79 17.1 14.6 22.0





#15

Acetone

Concen: 8.96 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

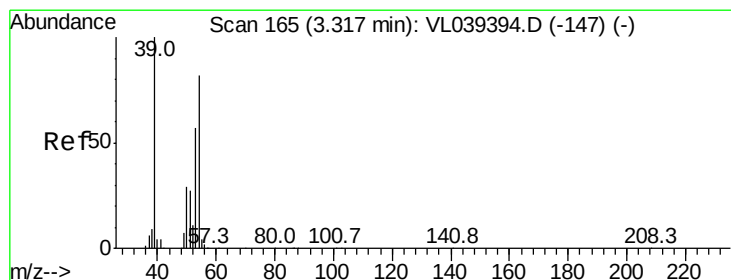
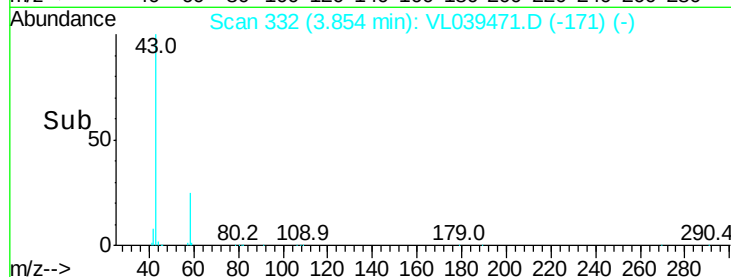
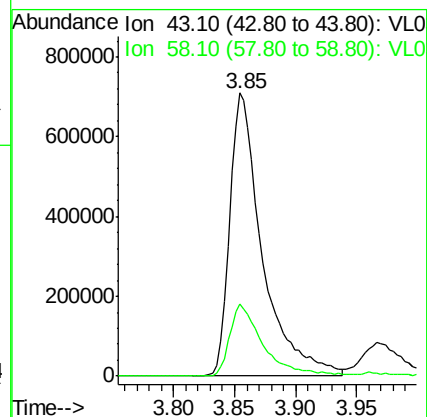
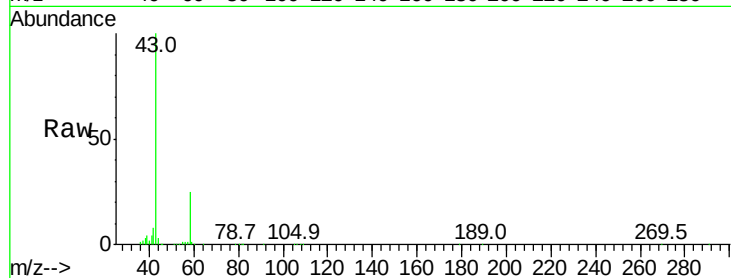
Acq: 13 Jul 2022 19:04

Tgt Ion: 43 Resp: 1328550

Ion Ratio Lower Upper

43 100

58 26.2 21.0 31.6



#16

1,3-Butadiene

Concen: 9.51 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL039471.D

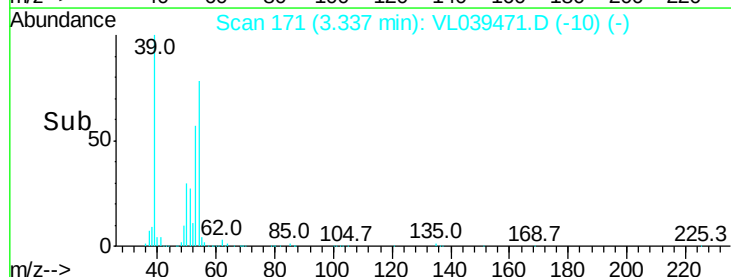
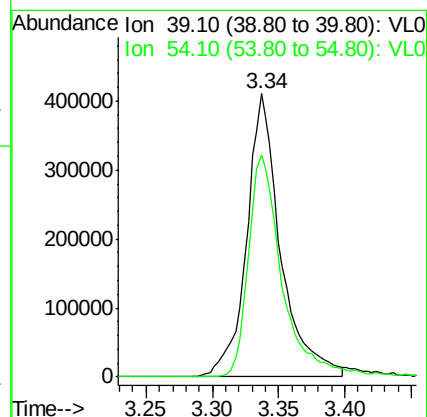
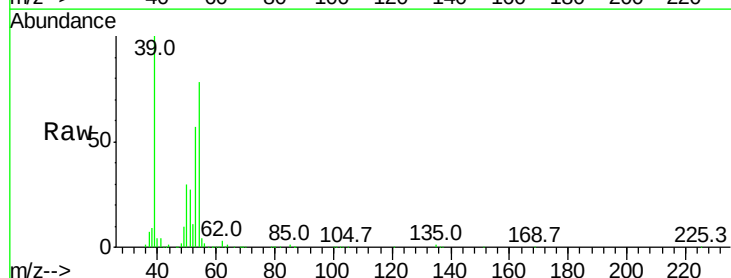
Acq: 13 Jul 2022 19:04

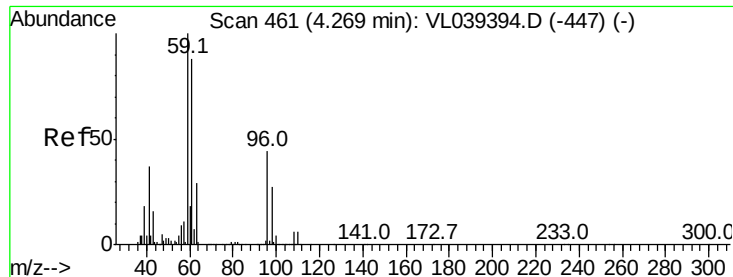
Tgt Ion: 39 Resp: 731395

Ion Ratio Lower Upper

39 100

54 78.8 63.7 95.5





#17

tert-Butyl alcohol

Concen: 9.60 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

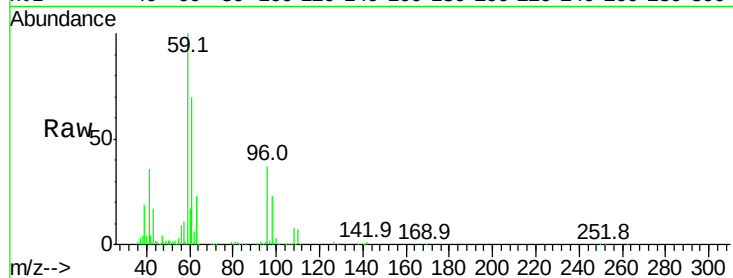
Acq: 13 Jul 2022 19:04 VL0713ABS01

Tgt Ion: 59 Resp: 1207566

Ion Ratio Lower Upper

59 100

57 11.3 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

600000

500000

400000

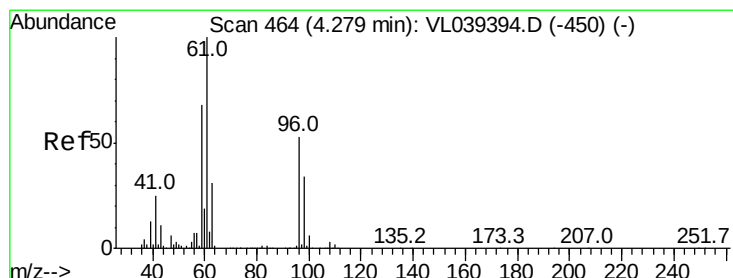
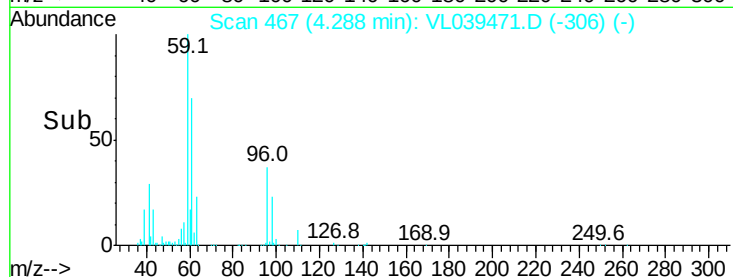
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 8.84 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

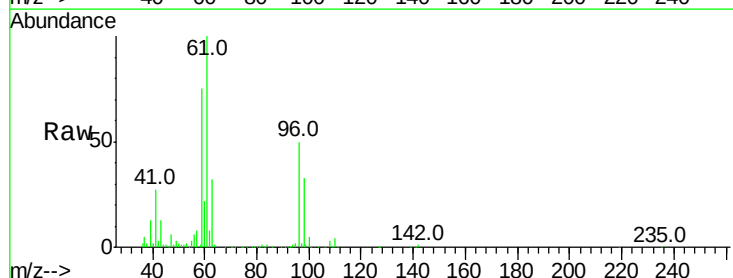
Tgt Ion: 96 Resp: 601387

Ion Ratio Lower Upper

96 100

61 198.3 152.2 228.4

98 64.6 51.8 77.6



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

800000

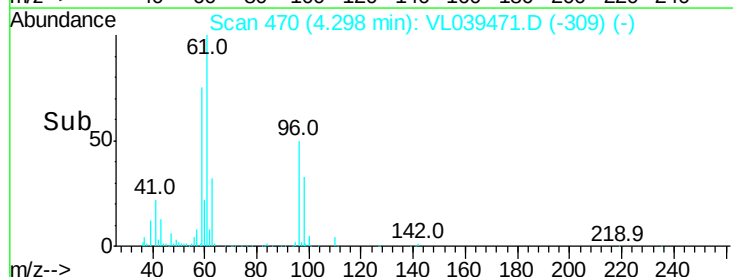
600000

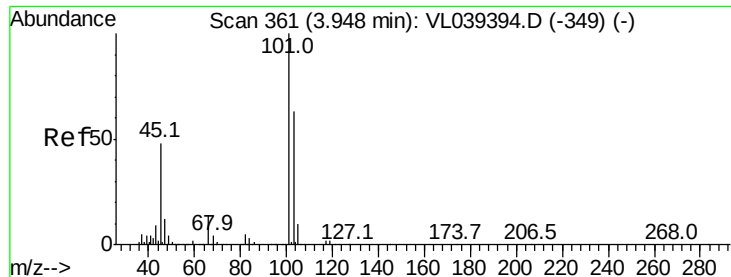
400000

200000

0

Time--> 4.25 4.30 4.35 4.40





#19

Isopropyl Alcohol

Concen: 8.31 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

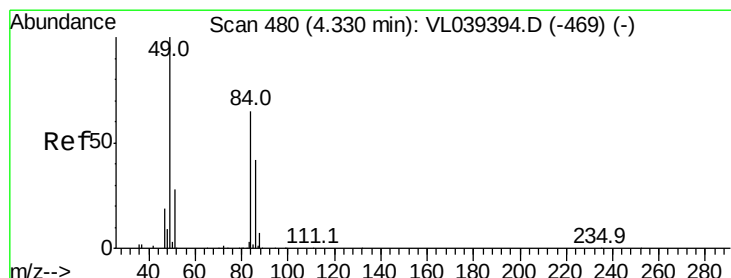
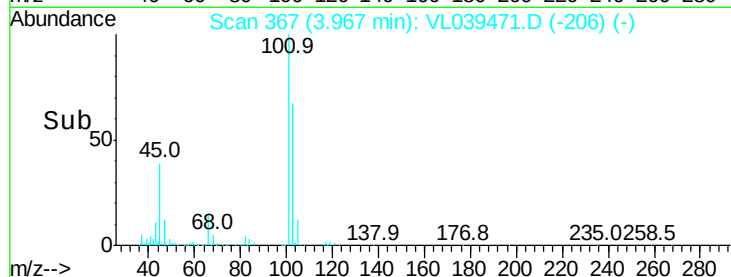
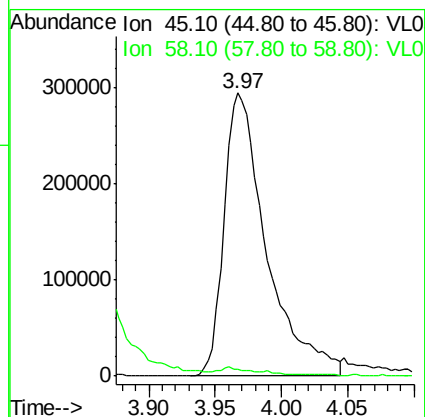
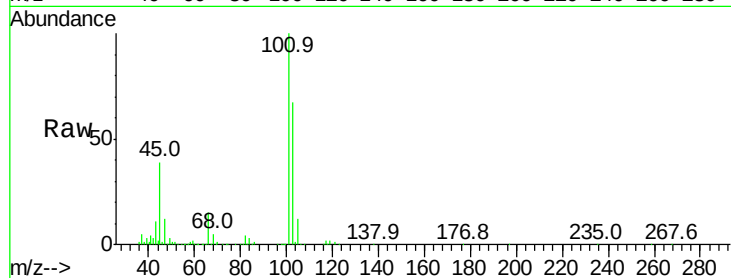
Acq: 13 Jul 2022 19:04 VL0713ABS01

Tgt Ion: 45 Resp: 657230

Ion Ratio Lower Upper

45 100

58 3.0 3.2 4.8#



#20

Methylene Chloride

Concen: 8.42 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

Tgt Ion: 84 Resp: 497526

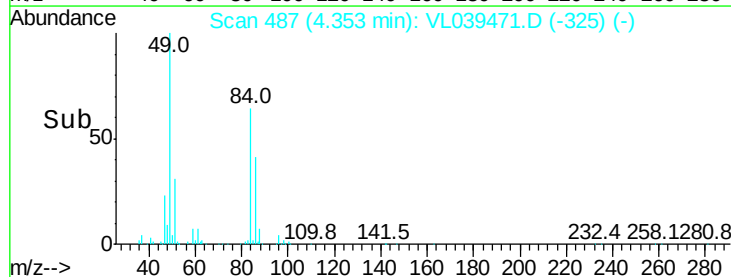
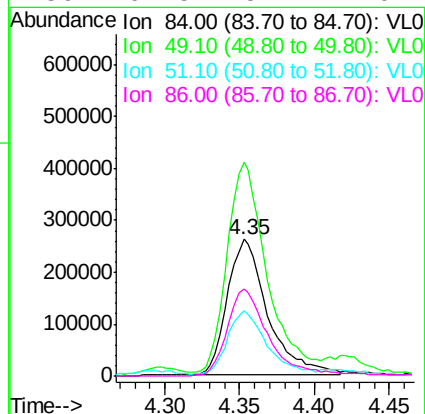
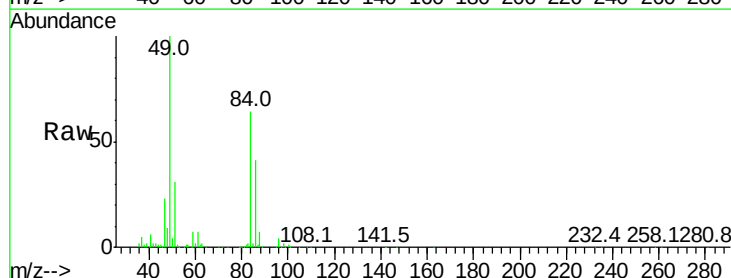
Ion Ratio Lower Upper

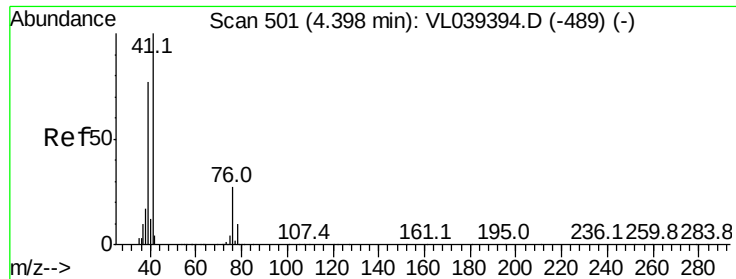
84 100

49 155.0 123.1 184.7

51 47.0 34.4 51.6

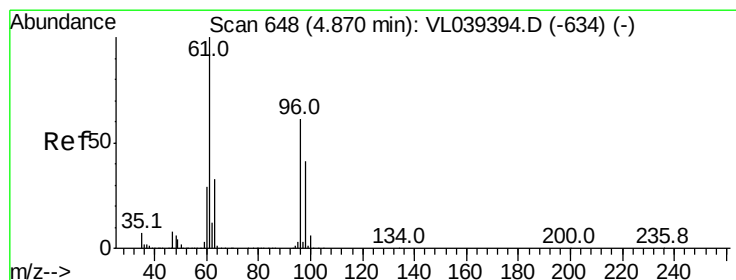
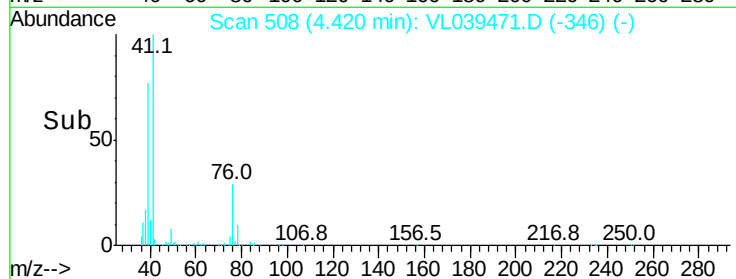
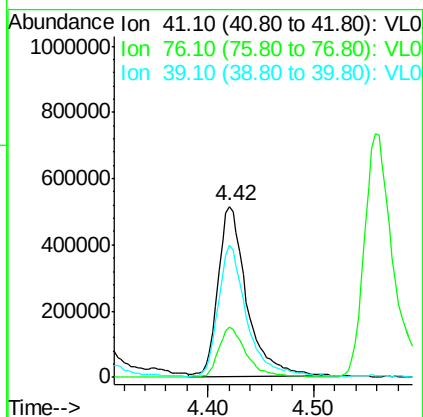
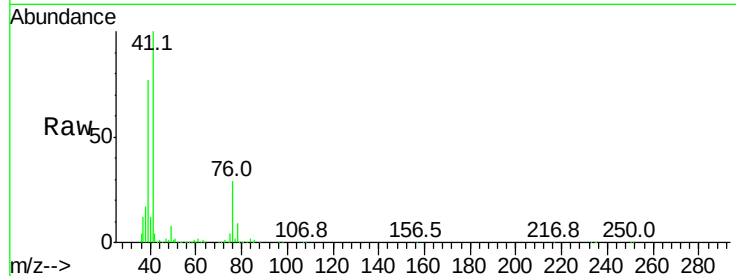
86 64.5 51.1 76.7





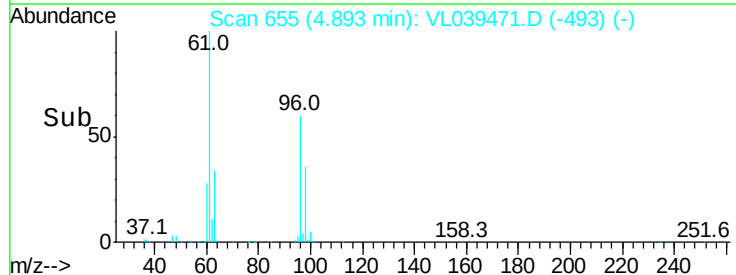
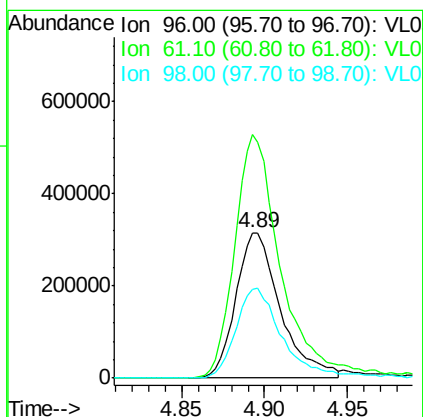
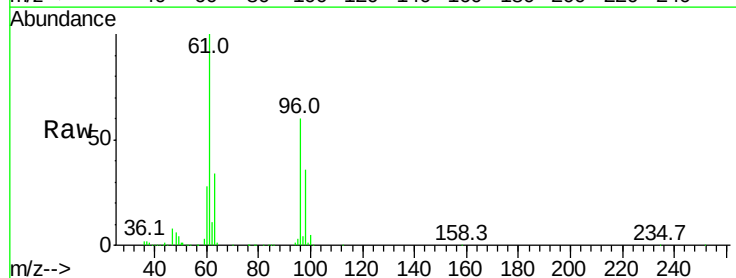
#21
 Allyl Chloride
 Concen: 9.39 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0713ABS01
 Acq: 13 Jul 2022 19:04

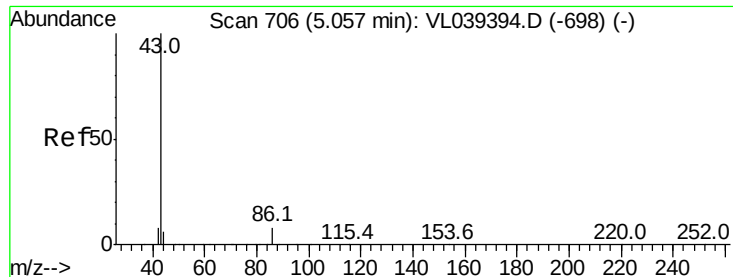
Tgt Ion: 41 Resp: 964184
 Ion Ratio Lower Upper
 41 100
 76 29.2 24.4 36.6
 39 76.8 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 8.95 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.02 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

Tgt Ion: 96 Resp: 589679
 Ion Ratio Lower Upper
 96 100
 61 167.7 130.6 195.8
 98 60.7 53.4 80.0





#23

Vinyl Acetate

Concen: 11.31 ppbv

RT: 5.08 Instrument: MSVOA_1

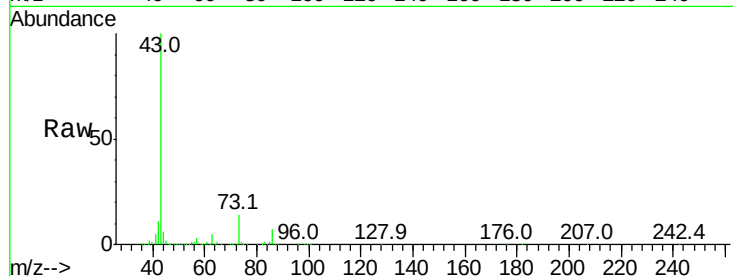
Delta R.T.

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04 VL0713ABS01

Tgt Ion: 43 Resp: 1120865

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.0	7.6
42	10.5	7.7	11.5
44	5.0	4.6	7.0

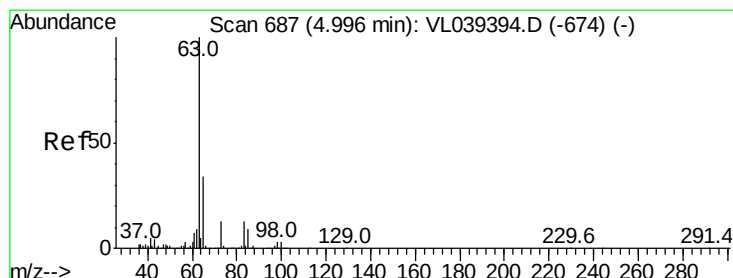
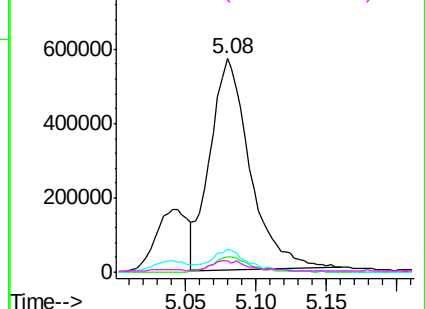
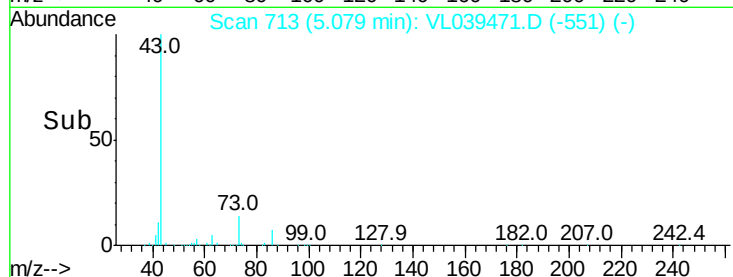


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.34 ppbv

RT: 5.02 min Scan# 694

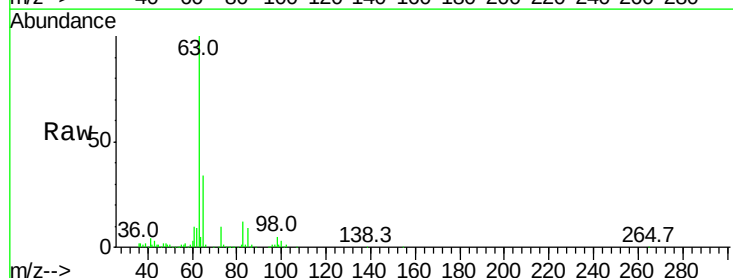
Delta R.T. 0.02 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

Tgt Ion: 63 Resp: 1446956

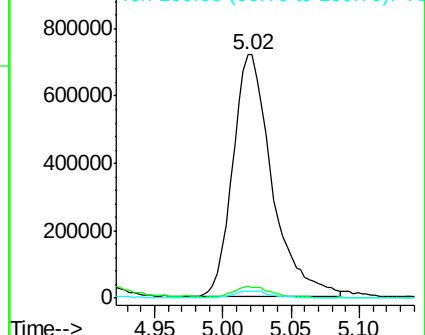
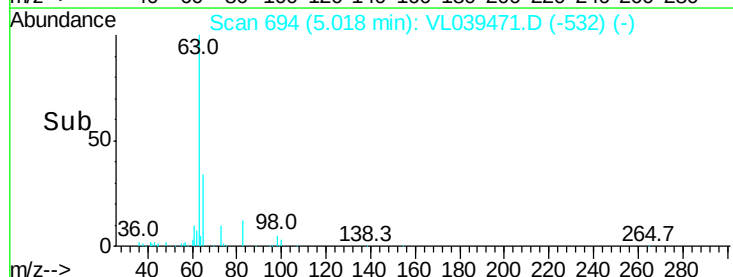
Ion	Ratio	Lower	Upper
63	100		
98	4.6	1.8	5.3
100	2.9	1.5	4.4

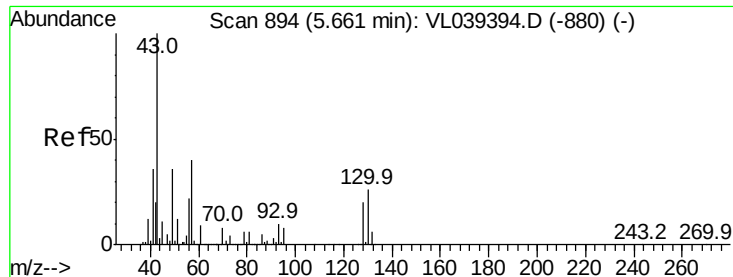


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

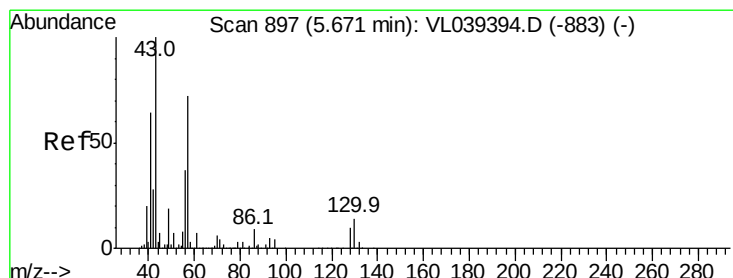
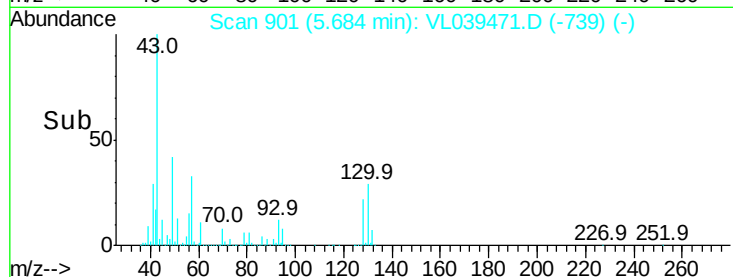
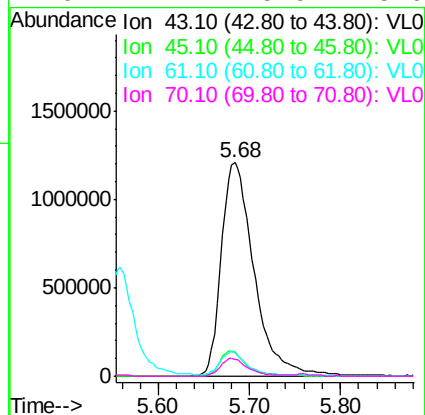
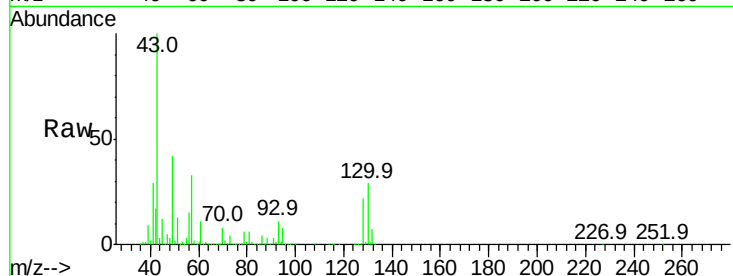




#25
Ethyl Acetate
Concen: 9.87 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0713ABS01
Acq: 13 Jul 2022 19:04

Tgt Ion: 43 Resp: 3001127

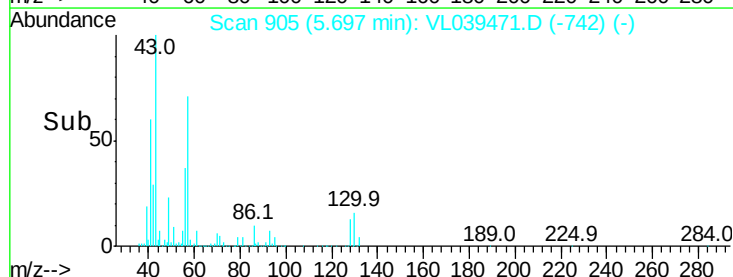
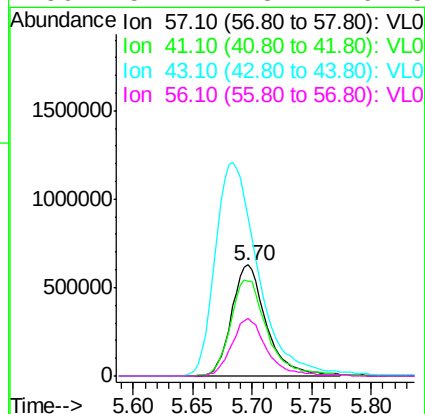
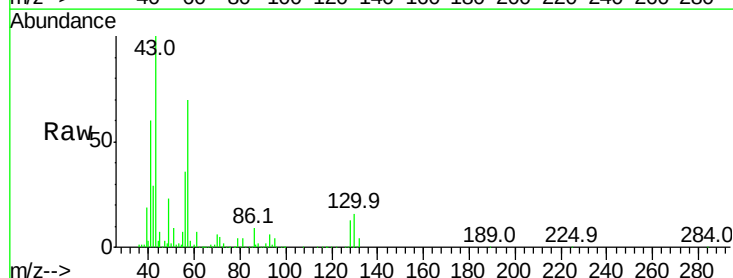
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	10.3	8.3	12.5
70	7.1	5.9	8.9

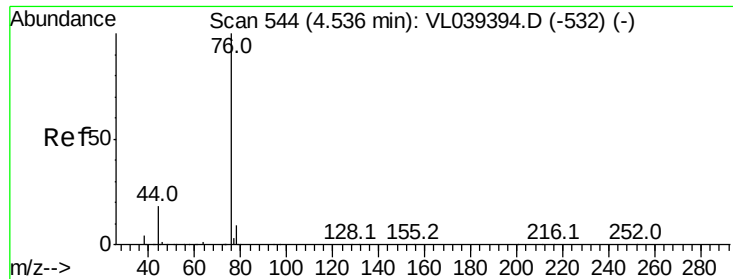


#26
Hexane
Concen: 10.39 ppbv
RT: 5.70 min Scan# 905
Delta R.T.: 0.03 min
Lab File: VL039471.D
Acq: 13 Jul 2022 19:04

Tgt Ion: 57 Resp: 1273459

Ion	Ratio	Lower	Upper
57	100		
41	92.6	76.9	115.3
43	237.1	191.0	286.6
56	52.4	43.2	64.8





#27

Carbon Disulfide

Concen: 9.63 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04 VL0713ABS01

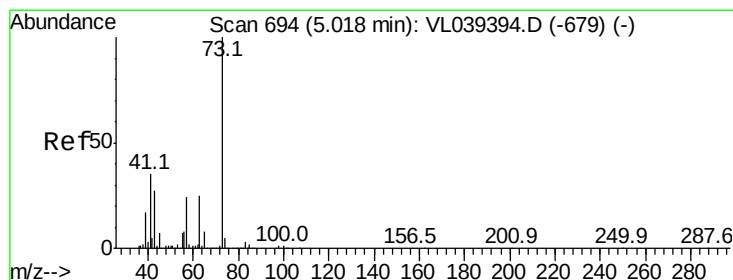
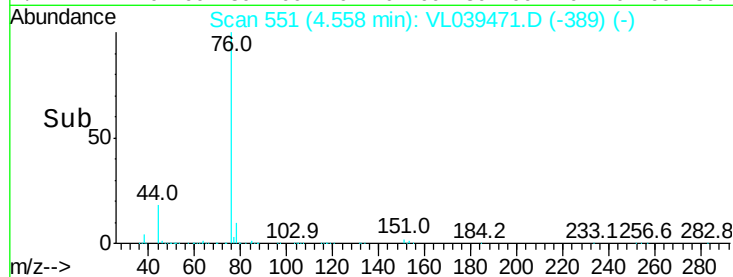
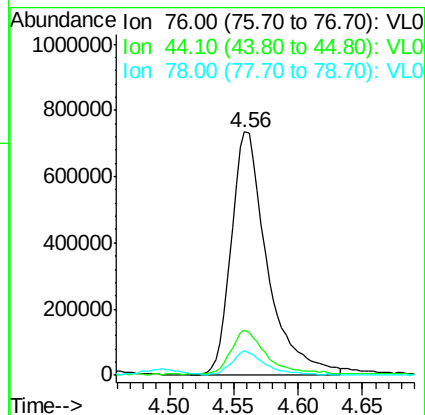
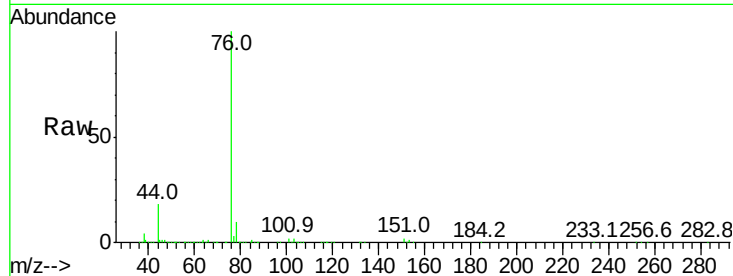
Tgt Ion: 76 Resp: 1424299

Ion Ratio Lower Upper

76 100

44 17.9 14.6 21.8

78 9.7 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 10.68 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL039471.D

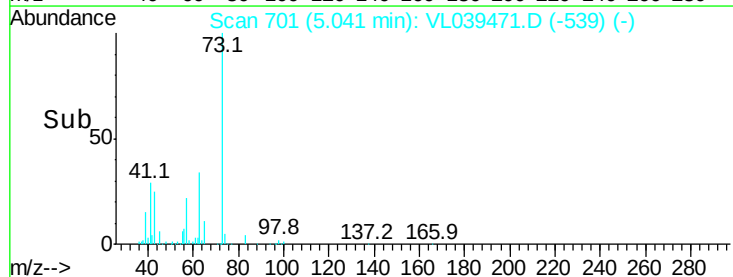
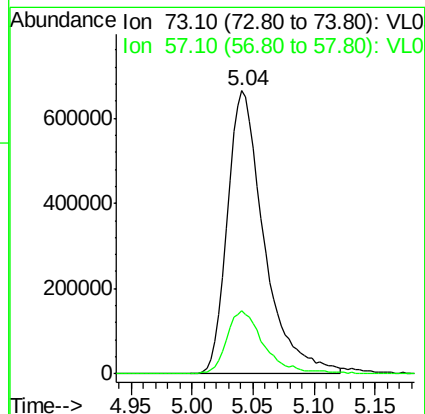
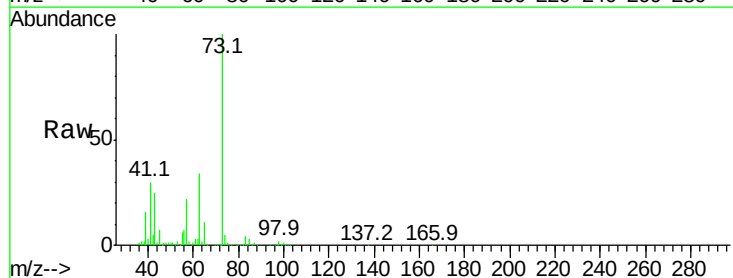
Acq: 13 Jul 2022 19:04

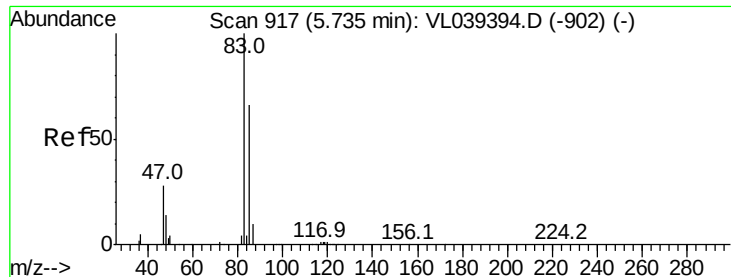
Tgt Ion: 73 Resp: 1399665

Ion Ratio Lower Upper

73 100

57 23.1 19.8 29.8





#29

Chloroform

Concen: 9.13 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

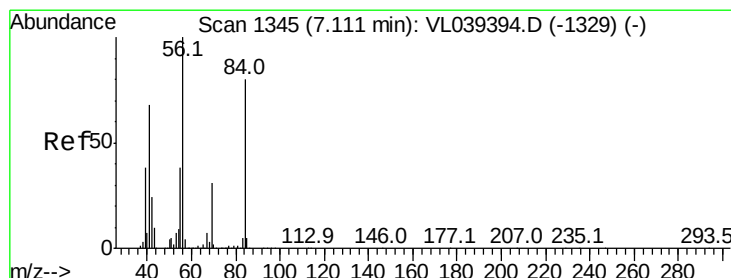
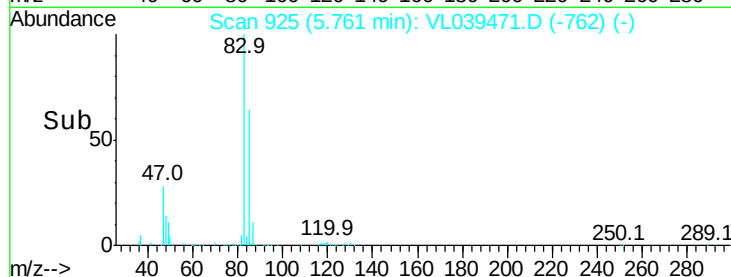
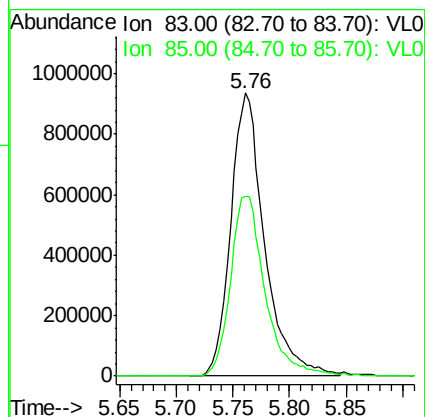
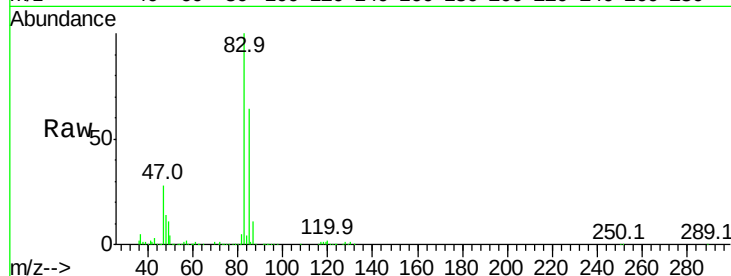
Acq: 13 Jul 2022 19:04

Tgt Ion: 83 Resp: 1945001

Ion Ratio Lower Upper

83 100

85 63.4 52.8 79.2



#30

Cyclohexane

Concen: 9.82 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.03 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

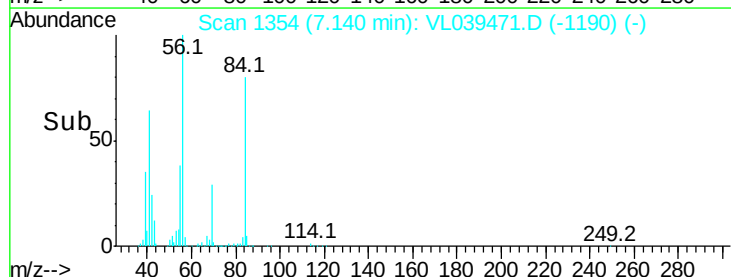
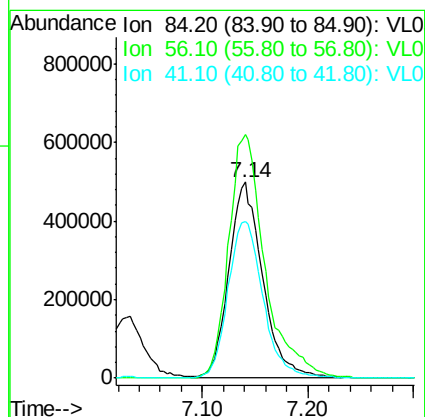
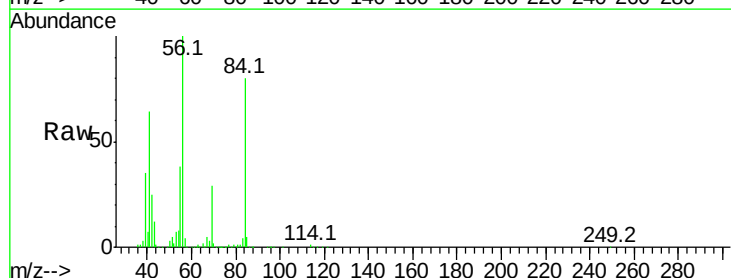
Tgt Ion: 84 Resp: 1095810

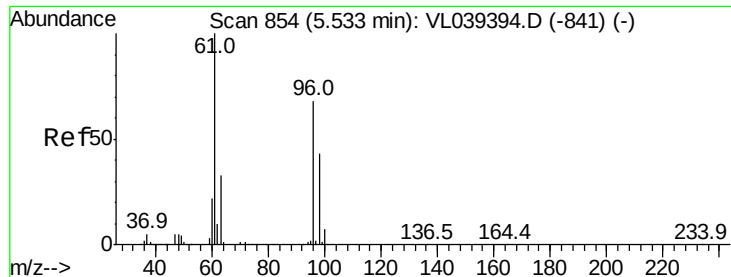
Ion Ratio Lower Upper

84 100

56 135.4 107.7 161.5

41 84.1 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 9.55 ppbv

RT: 5.56 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0713ABS01

Acq: 13 Jul 2022 19:04

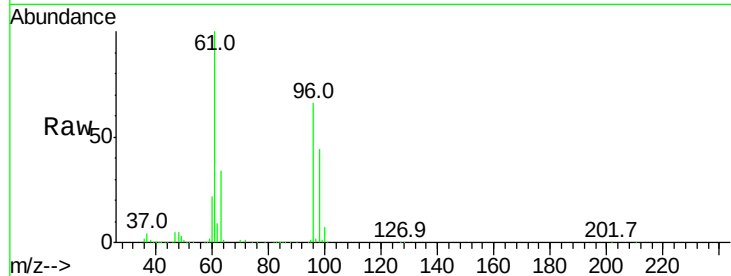
Tgt Ion: 61 Resp: 1242052

Ion Ratio Lower Upper

61 100

96 66.0 54.1 81.1

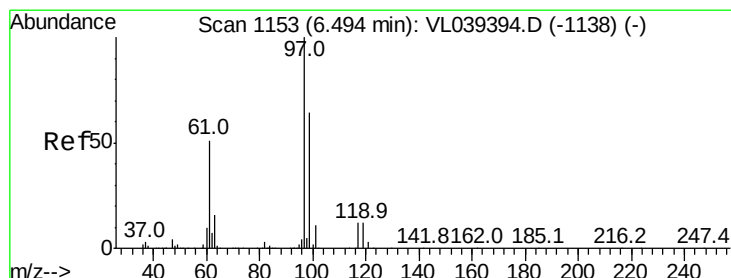
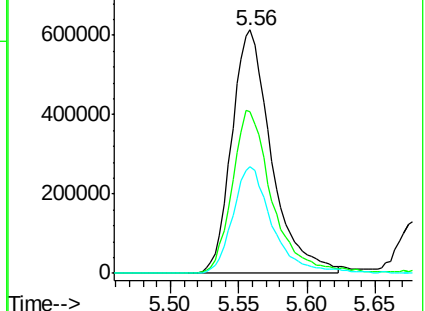
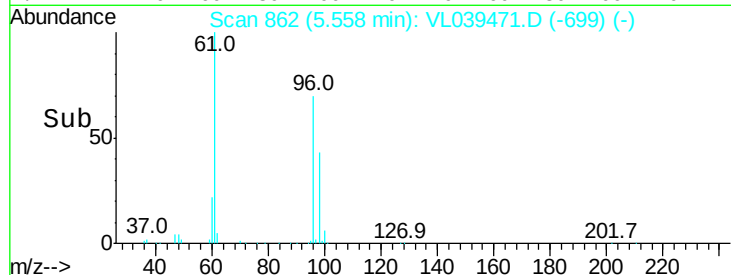
98 43.5 34.6 52.0



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: 9.21 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

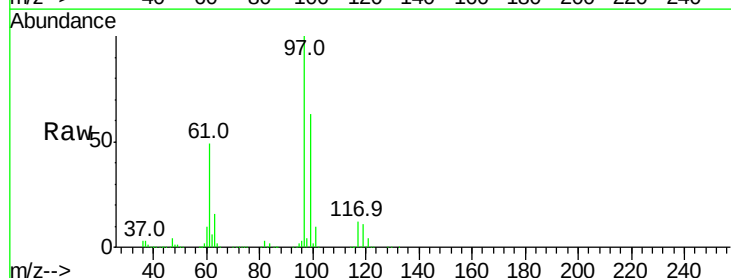
Tgt Ion: 97 Resp: 1936751

Ion Ratio Lower Upper

97 100

99 65.1 52.3 78.5

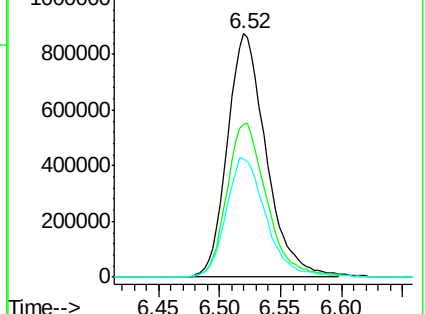
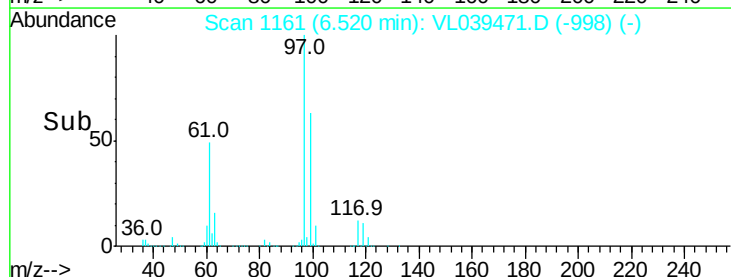
61 50.9 40.9 61.3

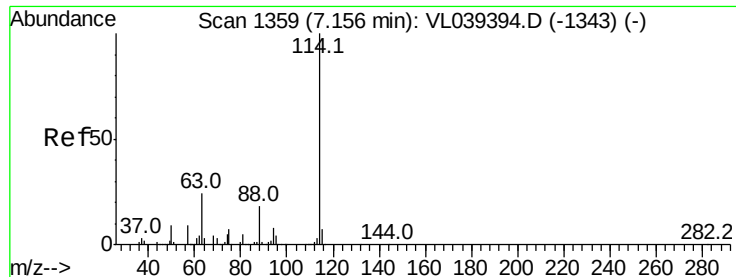


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

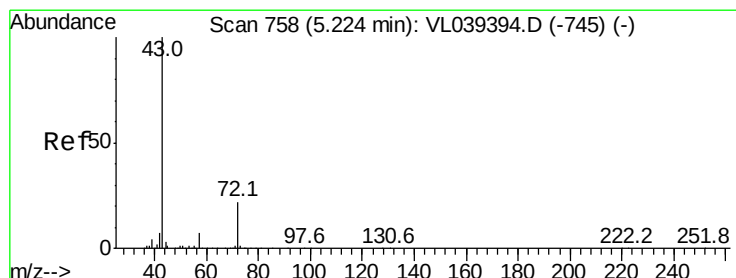
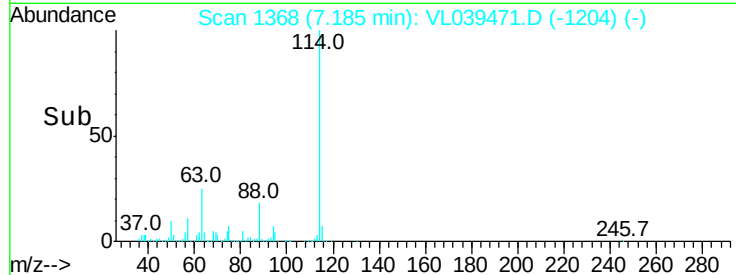
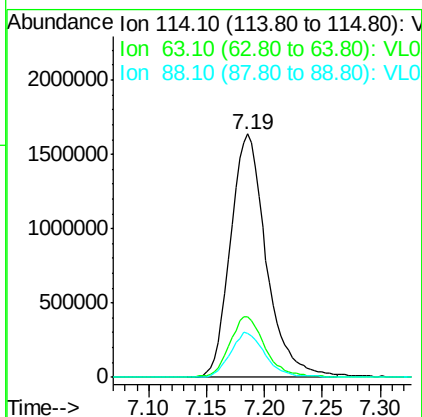
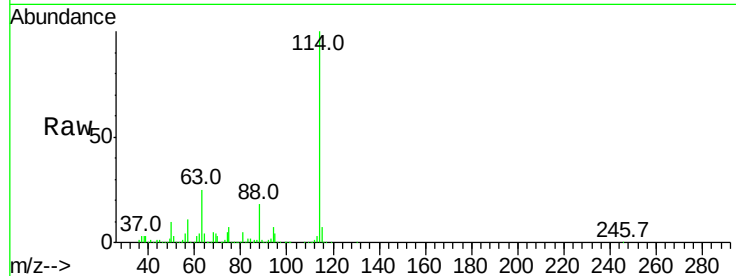




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0713ABS01
 Acq: 13 Jul 2022 19:04

Tgt Ion: 114 Resp: 3495564

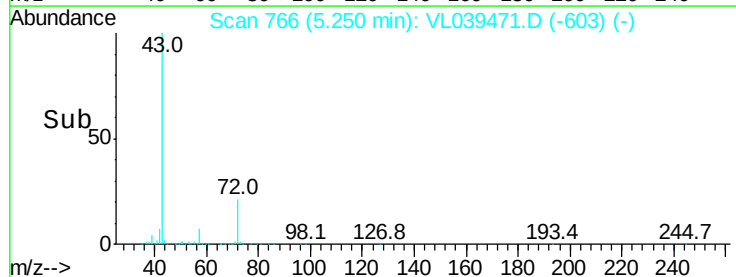
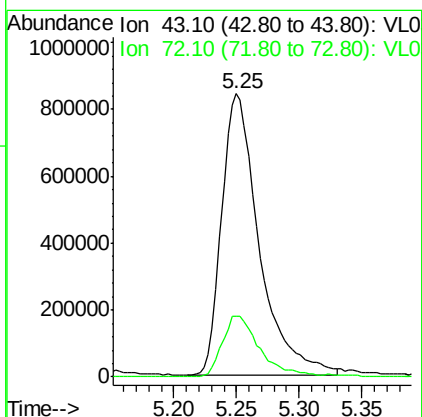
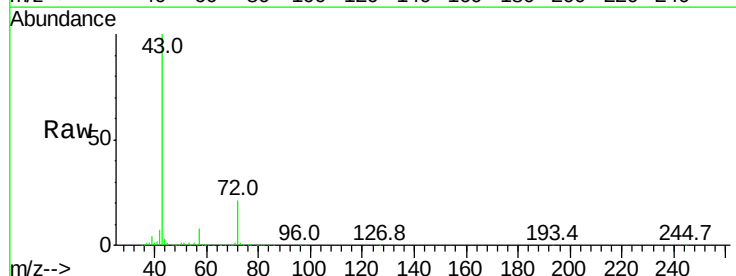
Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.2	30.4
88	18.1	14.5	21.7

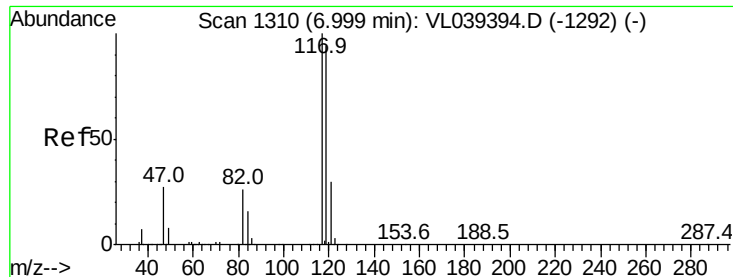


#34
 2-Butanone
 Concen: 9.95 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

Tgt Ion: 43 Resp: 1751513

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.9	26.9





#35

Carbon Tetrachloride

Concen: 9.36 ppbv

RT: 7.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04

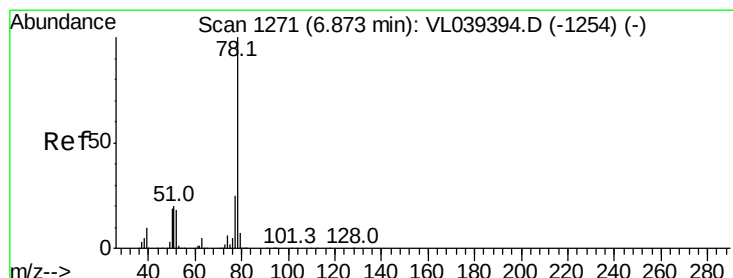
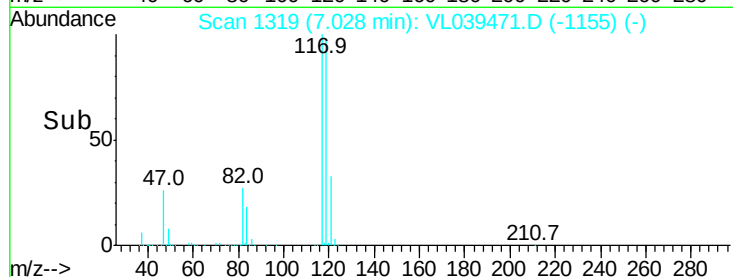
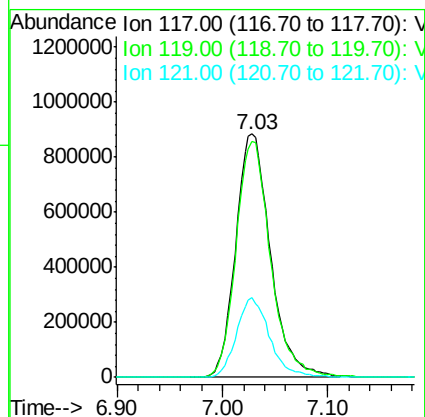
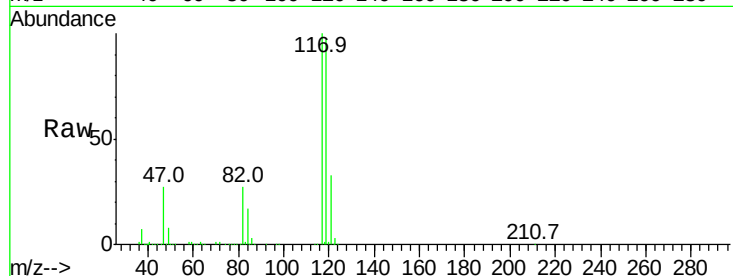
Tgt Ion: 117 Resp: 2022315

Ion Ratio Lower Upper

117 100

119 96.6 75.4 113.2

121 33.0 24.2 36.2



#36

Benzene

Concen: 9.74 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

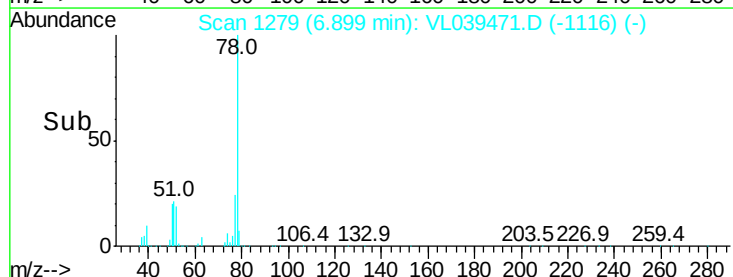
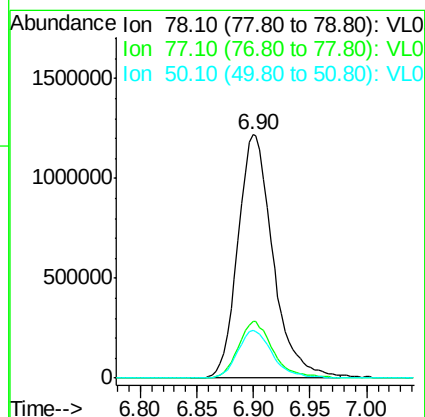
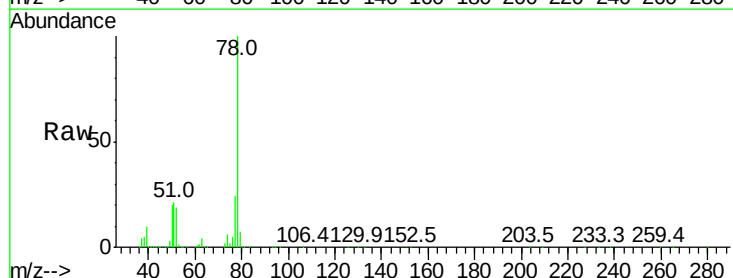
Tgt Ion: 78 Resp: 2635983

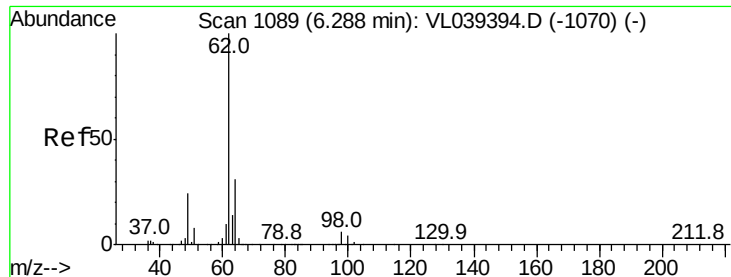
Ion Ratio Lower Upper

78 100

77 23.5 20.3 30.5

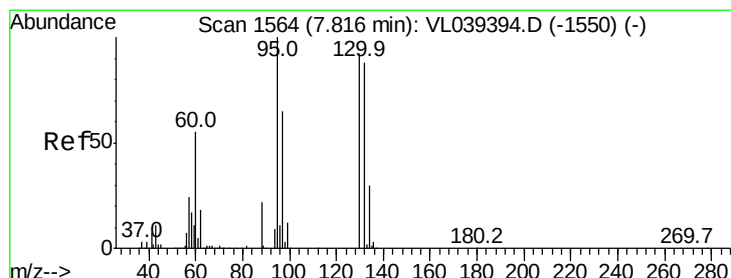
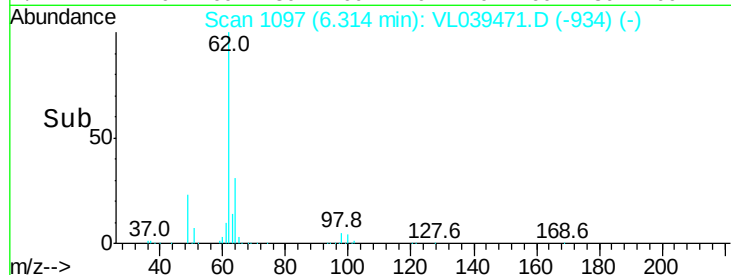
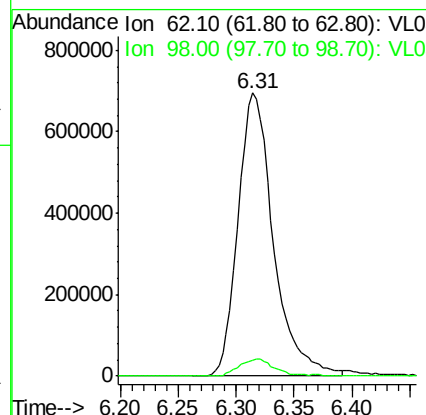
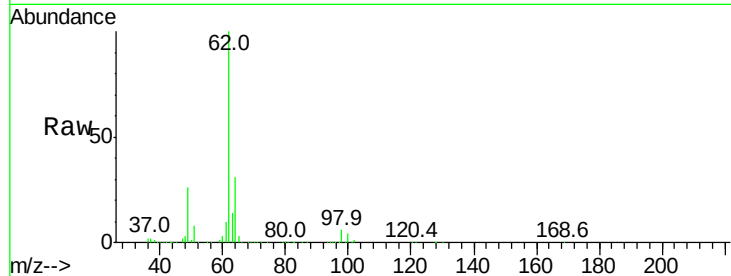
50 19.6 15.5 23.3





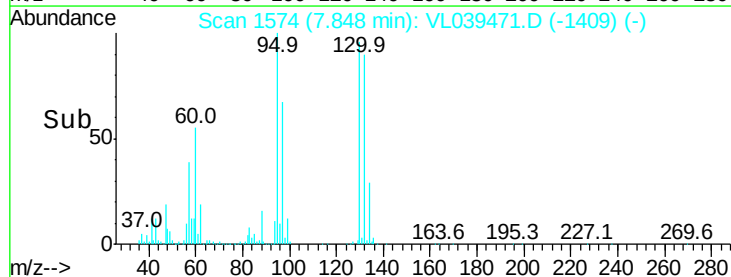
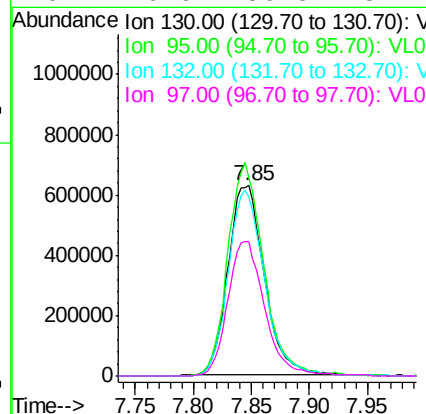
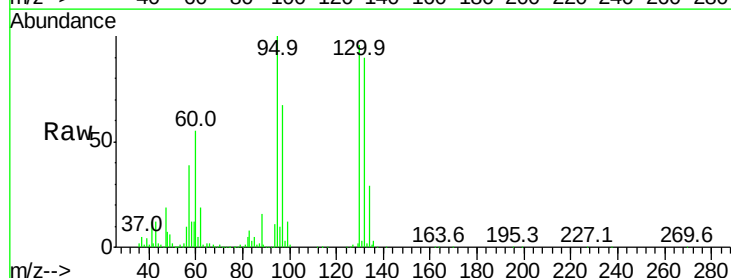
#37
 1,2-Dichloroethane
 Concen: 9.22 ppbv
 RT: 6.31
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0713ABS01
 Acq: 13 Jul 2022 19:04

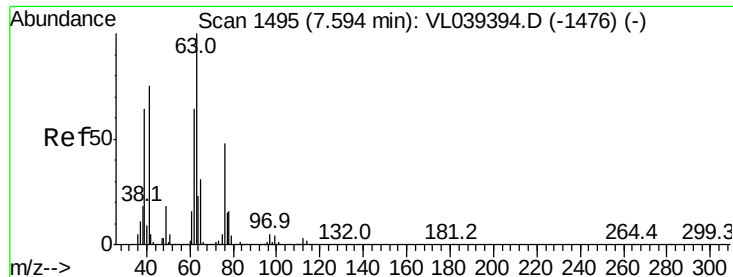
Tgt Ion: 62 Resp: 1472067
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.1 7.7



#38
 Trichloroethene
 Concen: 9.25 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.03 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

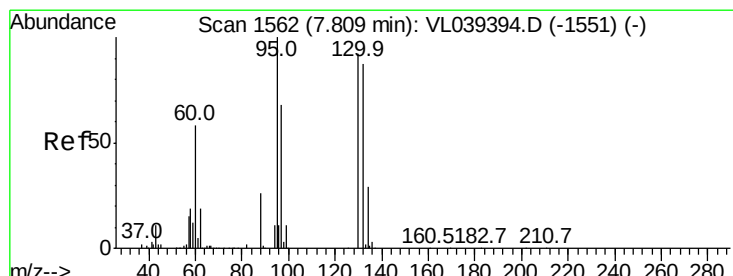
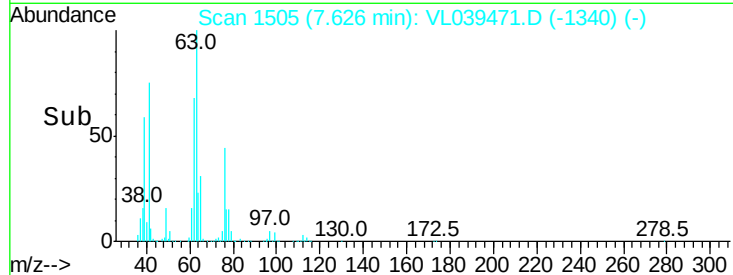
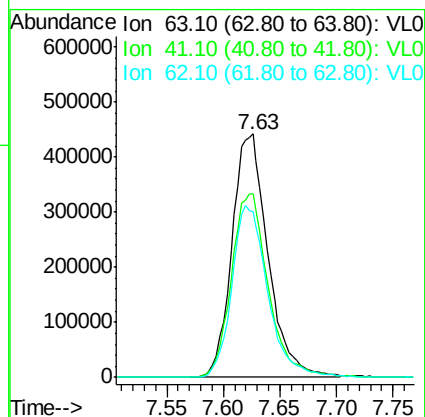
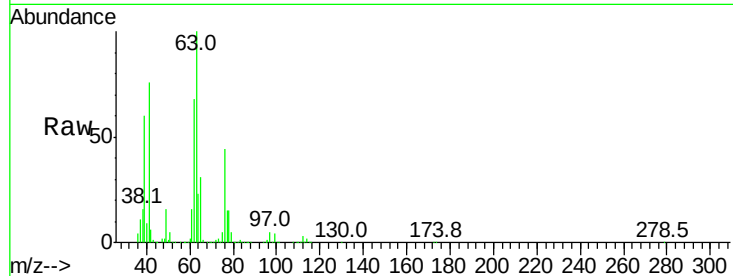
Tgt Ion: 130 Resp: 1353651
 Ion Ratio Lower Upper
 130 100
 95 104.9 87.3 130.9
 132 95.0 76.7 115.1
 97 70.9 56.5 84.7





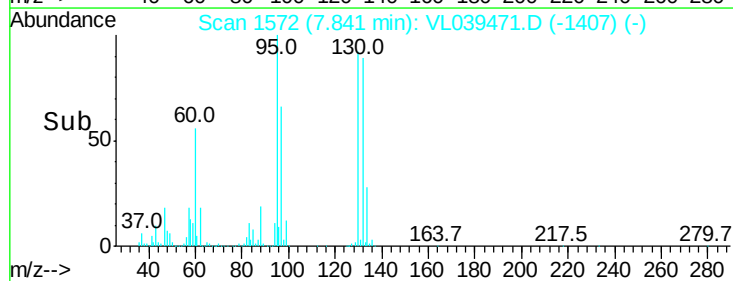
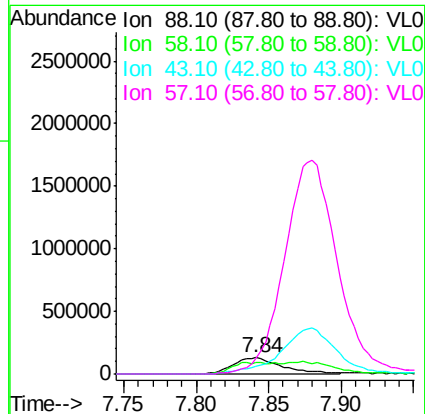
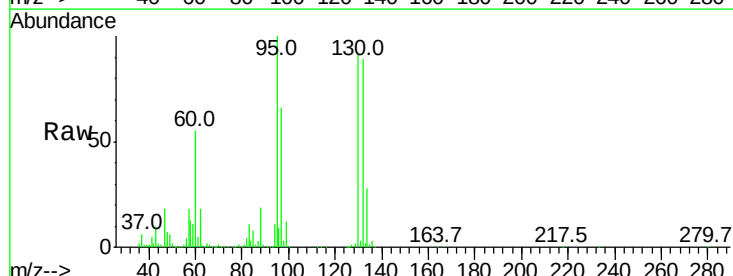
#39
 1,2-Dichloropropane
 Concen: 9.68 ppbv
 RT: 7.63
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0713ABS01
 Acq: 13 Jul 2022 19:04

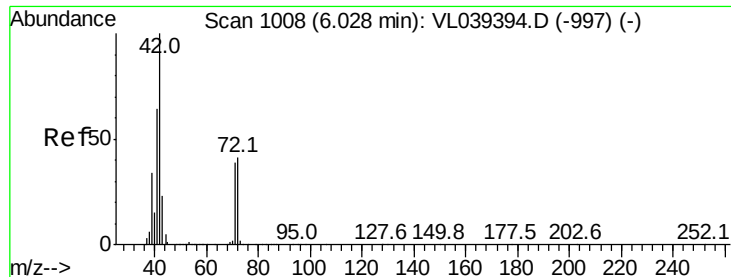
Tgt Ion:	63	Resp:	978737
Ion	Ratio	Lower	Upper
63	100		
41	75.4	59.6	89.4
62	67.8	51.4	77.0



#40
 1,4-Dioxane
 Concen: 7.59 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.03 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

Tgt Ion:	88	Resp:	305580
Ion	Ratio	Lower	Upper
88	100		
58	69.3	100.2	150.4#
43	0.0	205.8	308.6#
57	0.0	879.1	1318.7#





#41

Tetrahydrofuran

Concen: 10.38 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04 VL0713ABS01

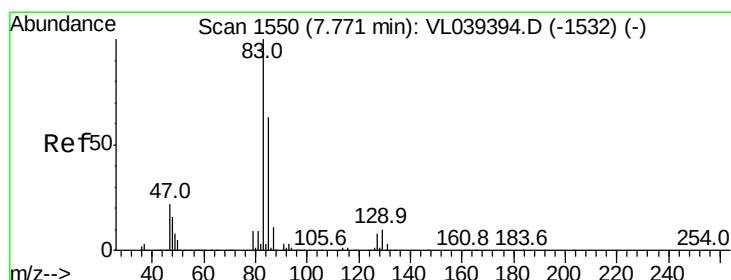
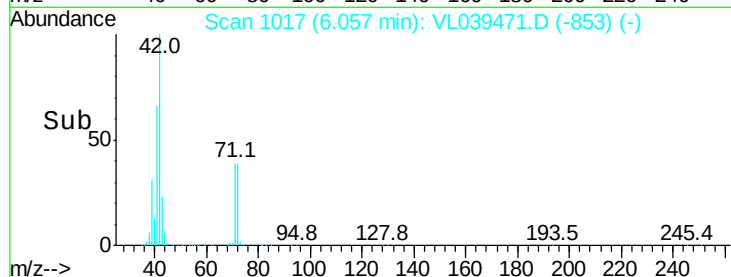
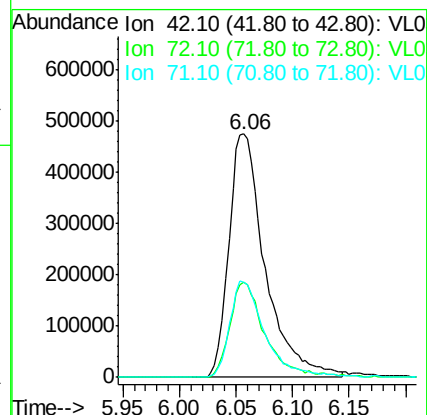
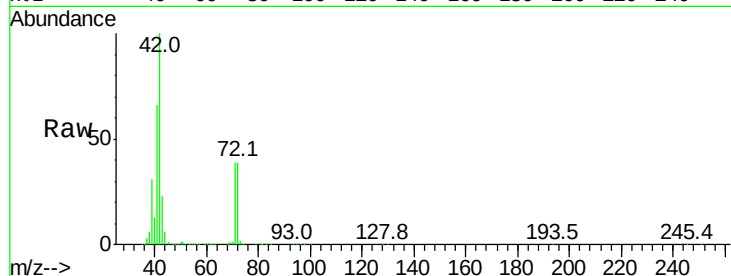
Tgt Ion: 42 Resp: 1058660

Ion Ratio Lower Upper

42 100

72 38.7 31.8 47.8

71 39.0 31.8 47.8



#42

Bromodichloromethane

Concen: 9.79 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.03 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

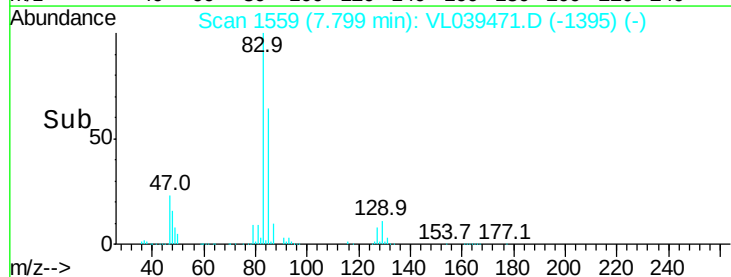
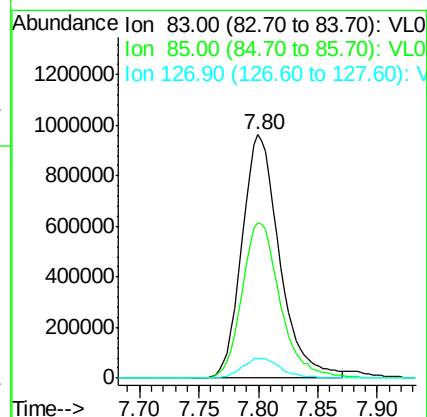
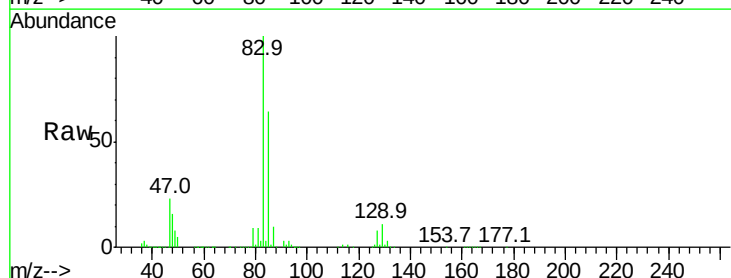
Tgt Ion: 83 Resp: 2108430

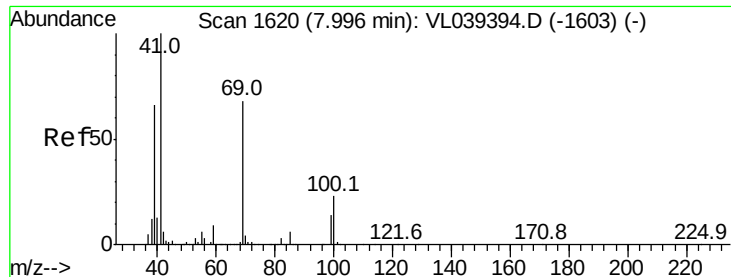
Ion Ratio Lower Upper

83 100

85 63.9 50.7 76.1

127 8.2 6.6 9.8





#43

Methyl Methacrylate

Concen: 10.49 ppbv

RT: 8.02 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04

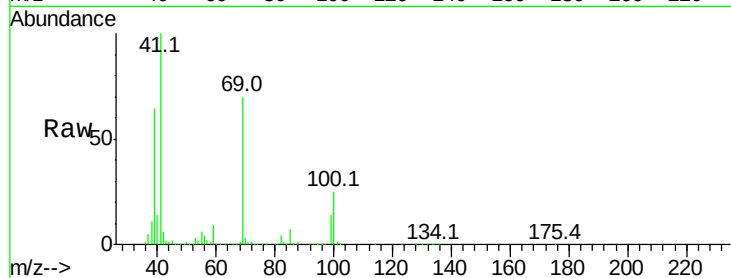
Tgt Ion: 69 Resp: 1079500

Ion Ratio Lower Upper

69 100

41 149.6 120.8 181.2

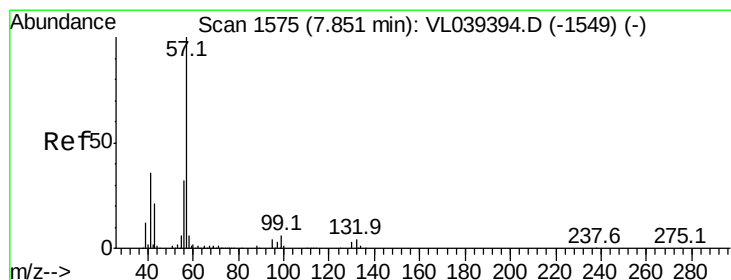
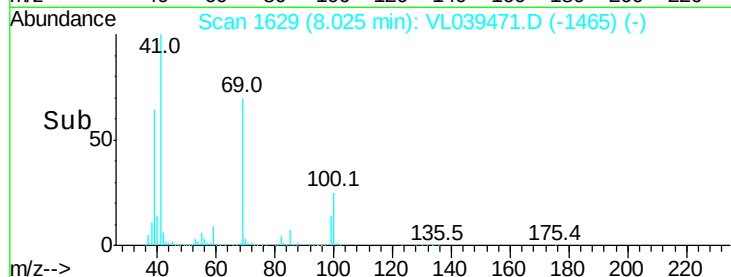
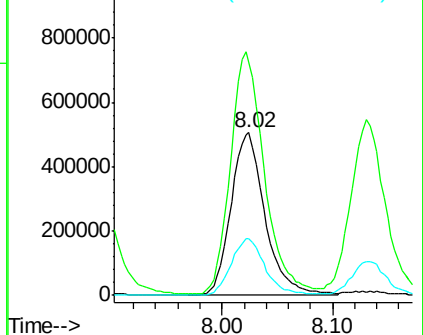
100 35.3 27.8 41.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.52 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.03 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

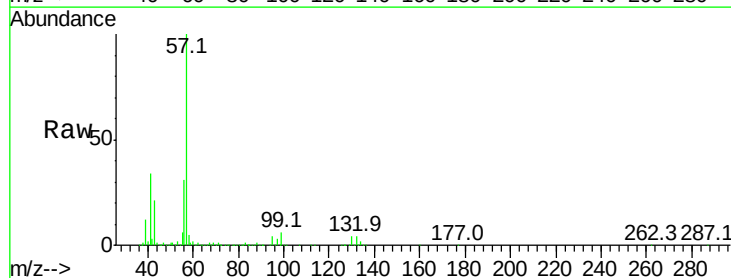
Tgt Ion: 57 Resp: 4362258

Ion Ratio Lower Upper

57 100

41 33.4 27.4 41.2

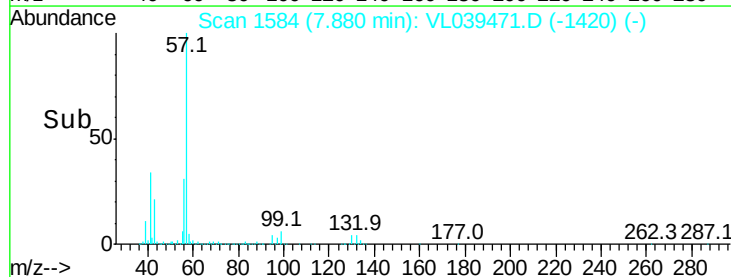
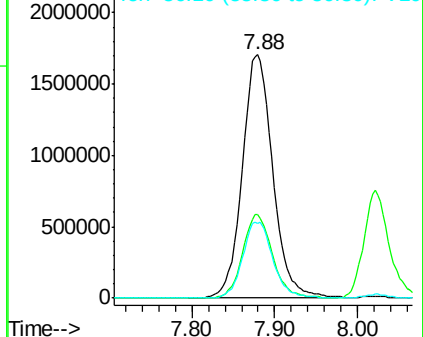
56 31.0 24.5 36.7

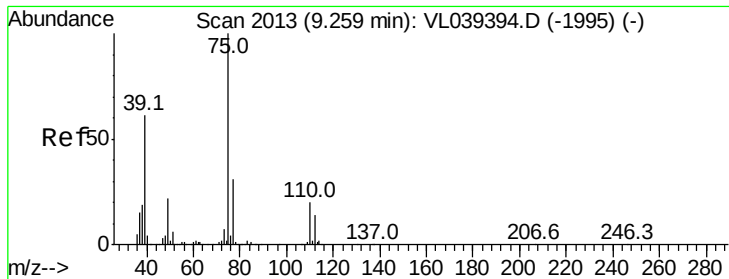


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.74 ppbv

RT: 9.28

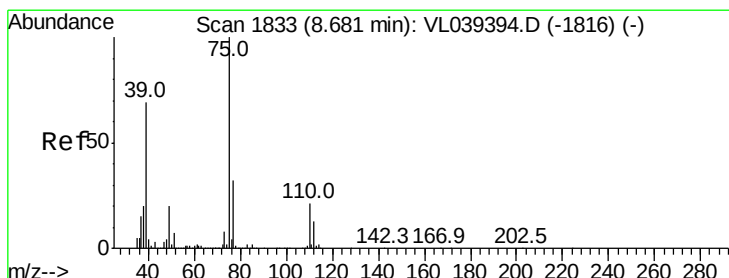
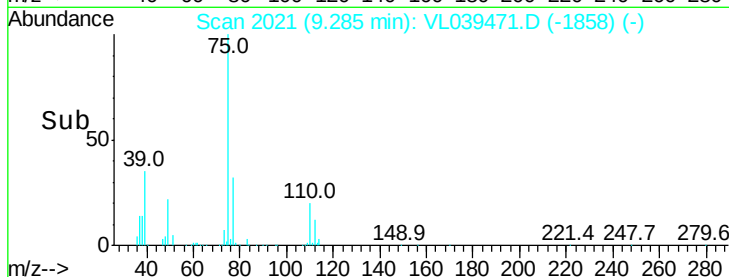
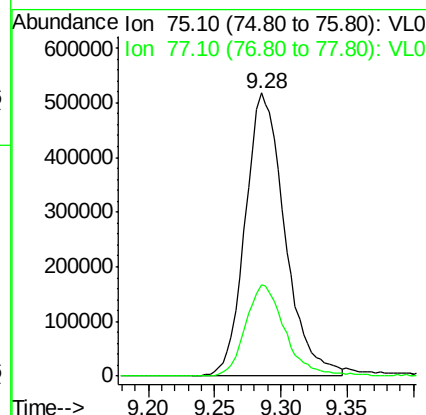
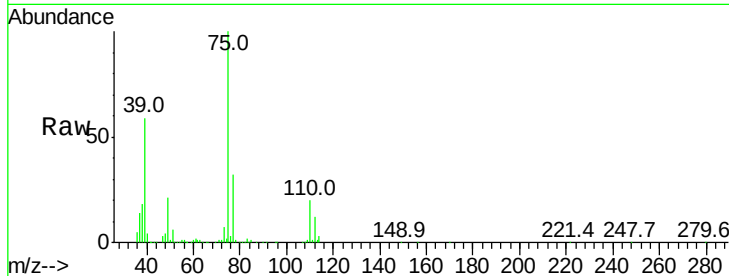
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VL0713ABS01

Acq: 13 Jul 2022 19:04

Tgt Ion: 75 Resp: 1075456

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.6	36.8



#46

cis-1,3-Dichloropropene

Concen: 11.13 ppbv

RT: 8.71 min Scan# 1843

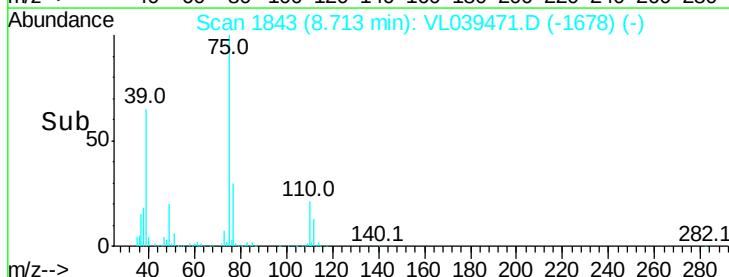
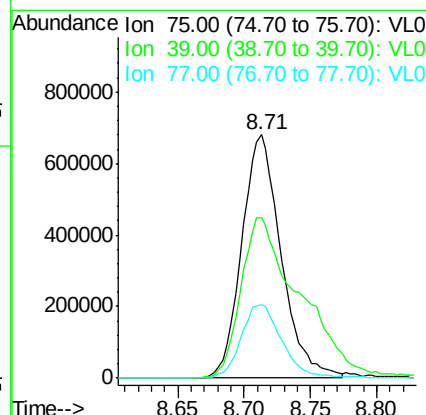
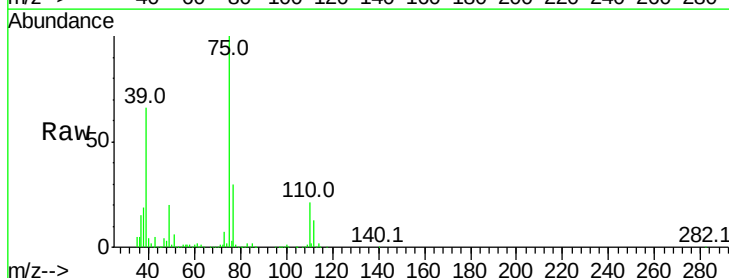
Delta R.T. 0.03 min

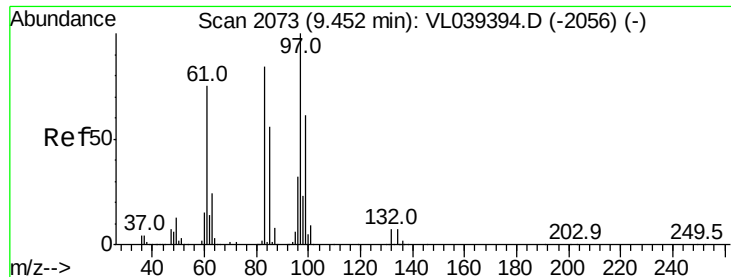
Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

Tgt Ion: 75 Resp: 1402515

Ion	Ratio	Lower	Upper
75	100		
39	65.8	55.0	82.4
77	30.3	25.7	38.5





#47

1,1,2-Trichloroethane

Concen: 9.64 ppbv

RT: 9.48 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04 VL0713ABS01

Tgt Ion: 97 Resp: 1093228

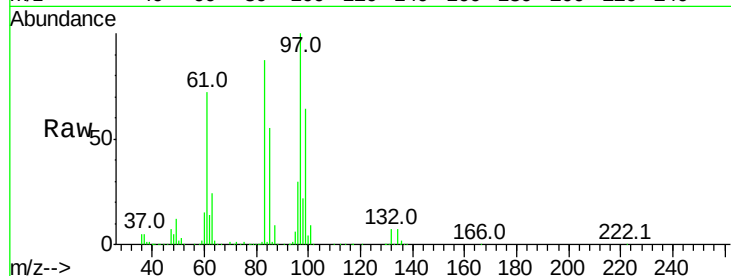
Ion Ratio Lower Upper

97 100

83 87.1 67.4 101.0

85 54.9 45.1 67.7

99 63.5 48.6 73.0

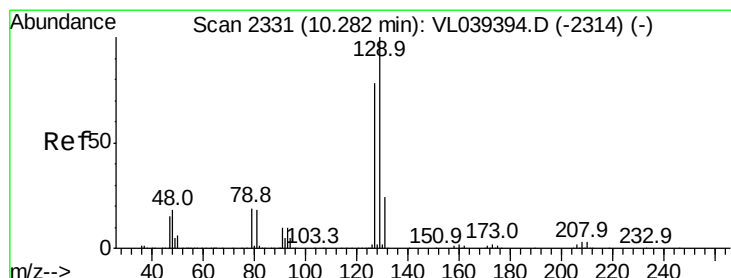
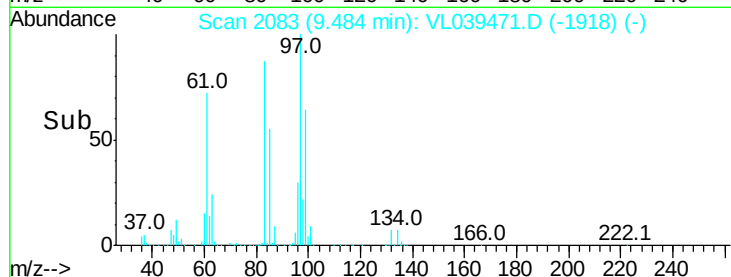
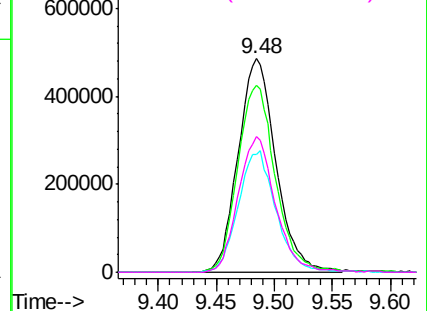


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.40 ppbv

RT: 10.31 min Scan# 2341

Delta R.T. 0.03 min

Lab File: VL039471.D

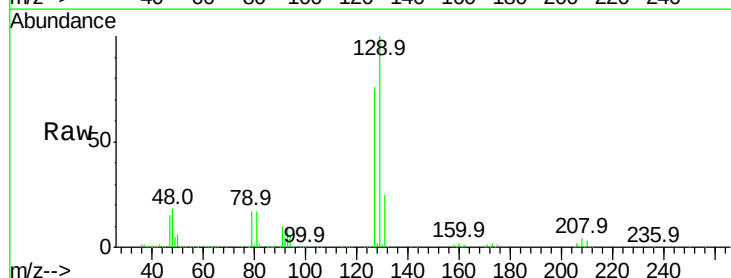
Acq: 13 Jul 2022 19:04

Tgt Ion: 129 Resp: 1874701

Ion Ratio Lower Upper

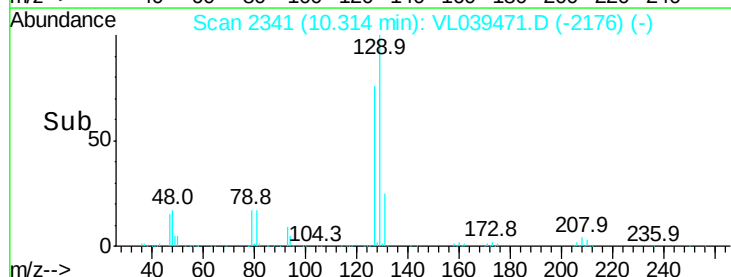
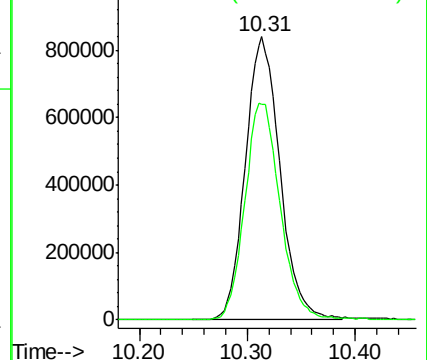
129 100

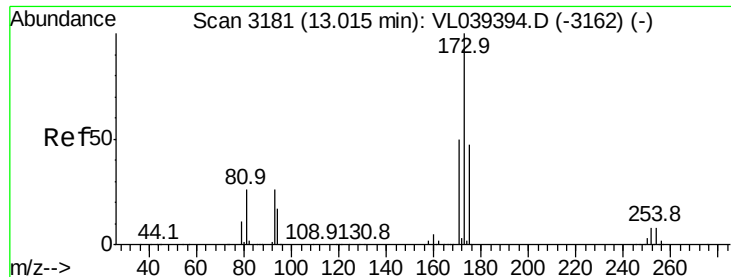
127 78.6 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.05 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Jul 2022 19:04

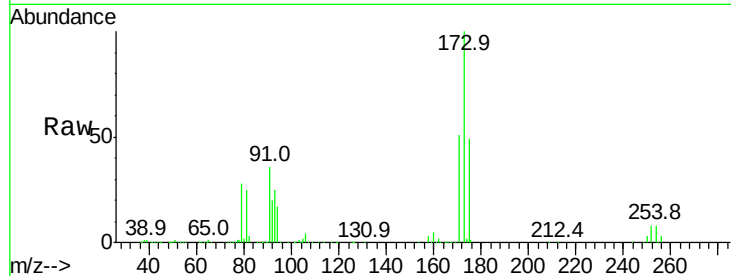
Tgt Ion: 173 Resp: 1606135

Ion Ratio Lower Upper

173 100

175 49.2 40.3 60.5

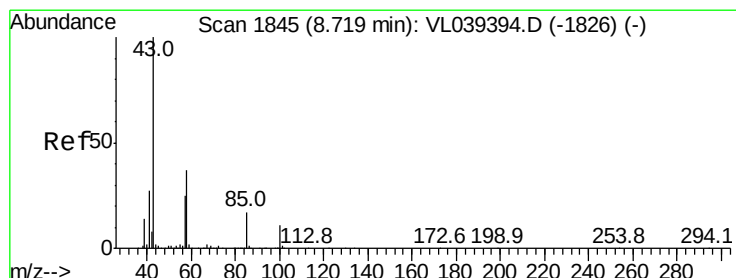
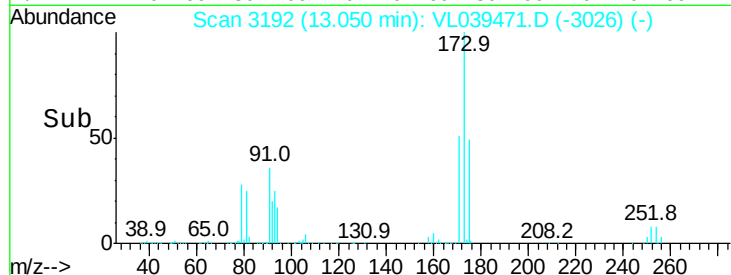
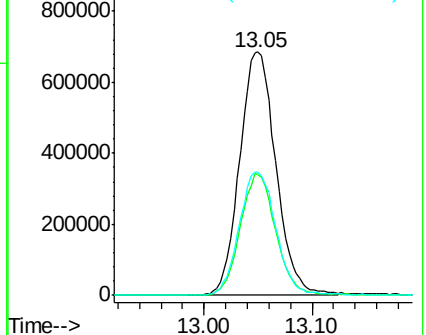
171 52.1 42.9 64.3



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: 10.46 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.03 min

Lab File: VL039471.D

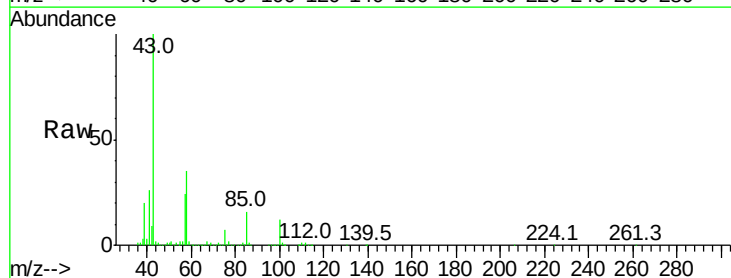
Acq: 13 Jul 2022 19:04

Tgt Ion: 43 Resp: 2782160

Ion Ratio Lower Upper

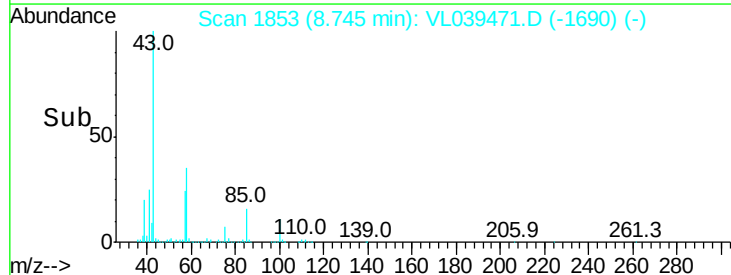
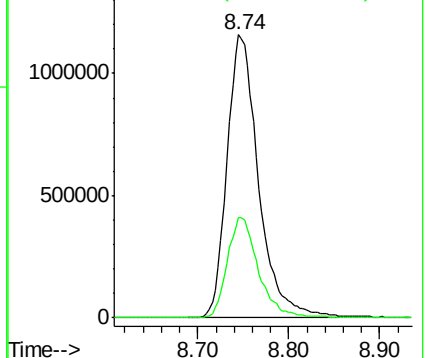
43 100

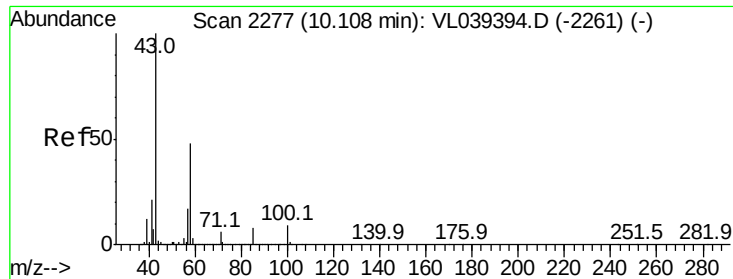
58 35.6 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

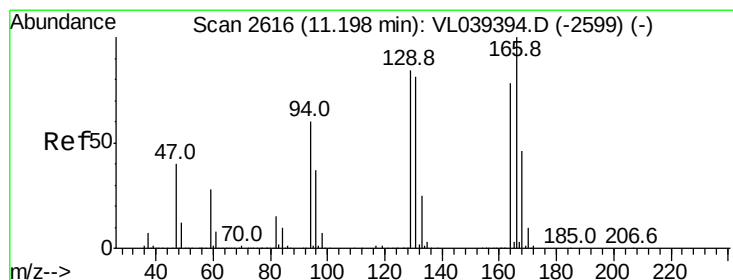
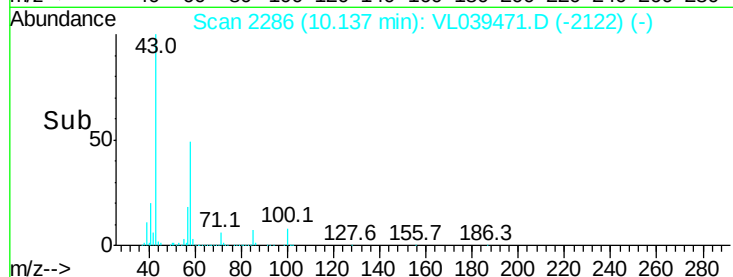
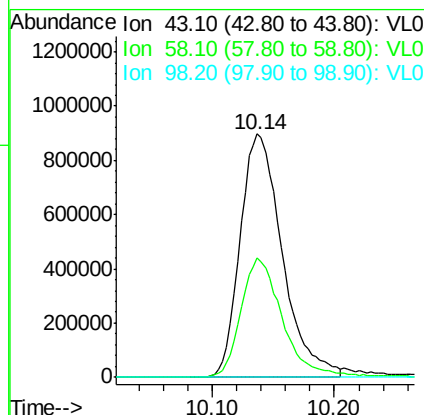
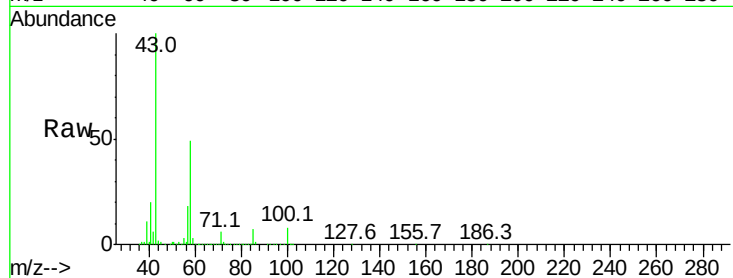




#51
2-Hexanone
Concen: 10.68 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0713ABS01
Acq: 13 Jul 2022 19:04

Tgt Ion: 43 Resp: 2148413

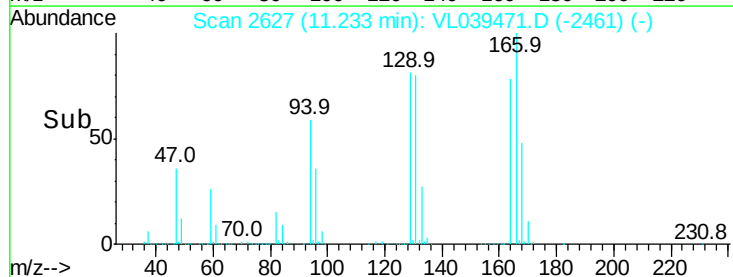
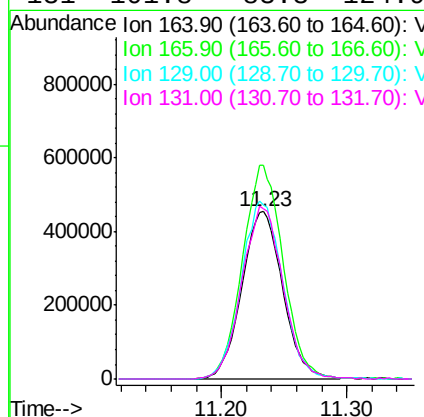
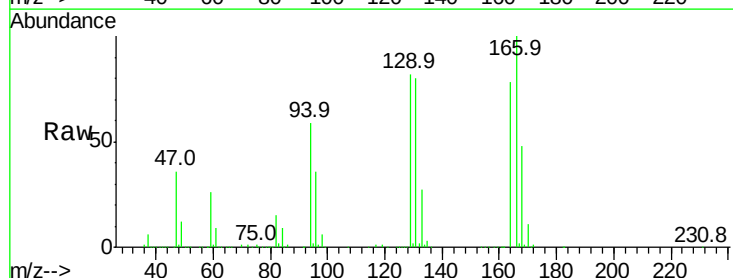
Ion	Ratio	Lower	Upper
43	100		
58	49.0	38.4	57.6
98	0.2	0.3	0.5#

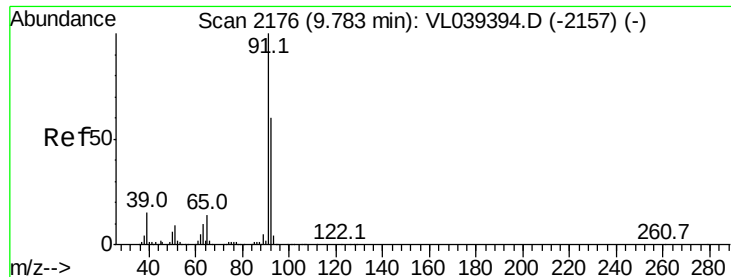


#52
Tetrachloroethene
Concen: 9.44 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.04 min
Lab File: VL039471.D
Acq: 13 Jul 2022 19:04

Tgt Ion: 164 Resp: 1027855

Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.2	153.2
129	104.1	85.8	128.8
131	101.8	83.3	124.9





#53

Toluene

Concen: 10.15 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

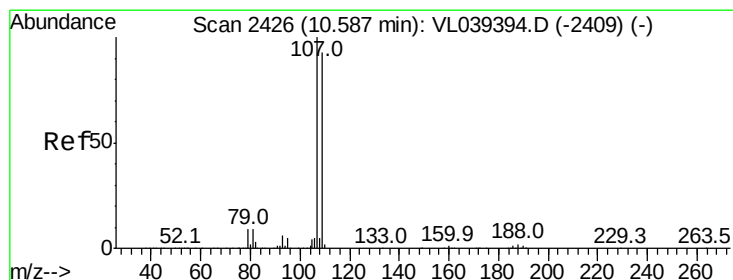
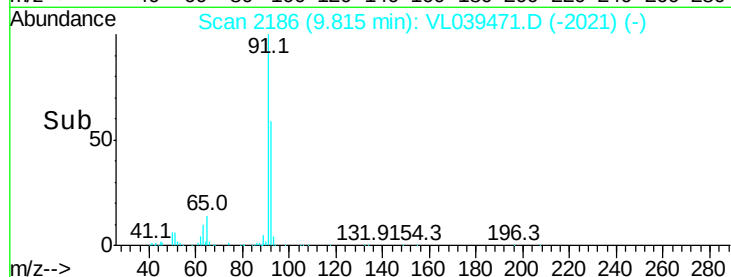
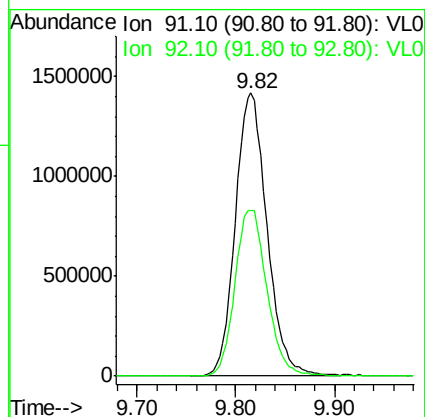
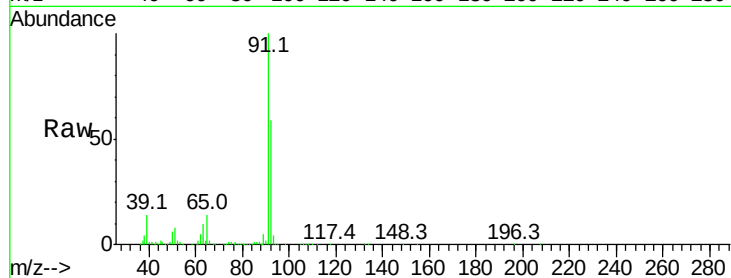
Acq: 13 Jul 2022 19:04 VL0713ABS01

Tgt Ion: 91 Resp: 3166313

Ion Ratio Lower Upper

91 100

92 59.6 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.11 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.04 min

Lab File: VL039471.D

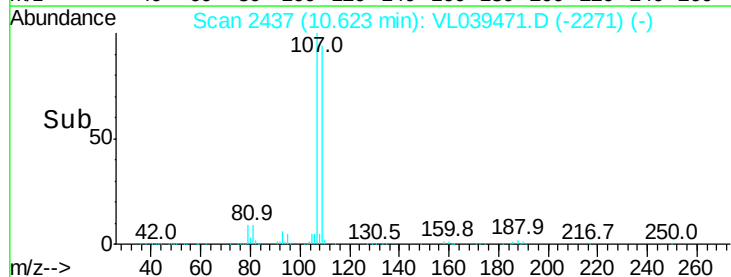
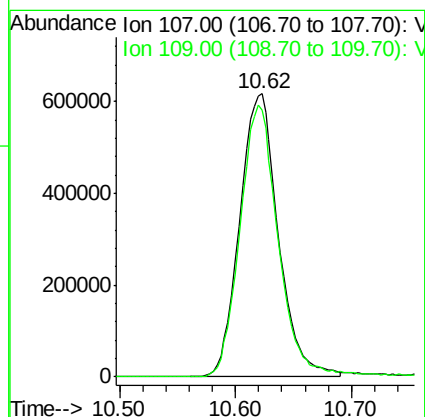
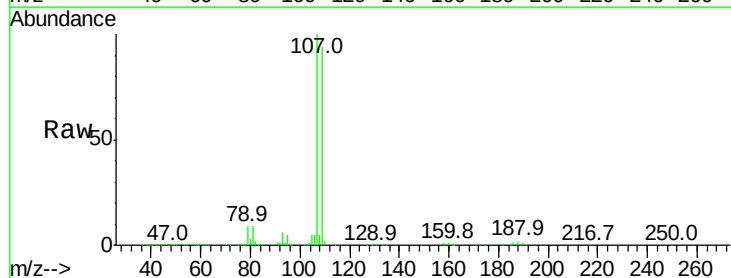
Acq: 13 Jul 2022 19:04

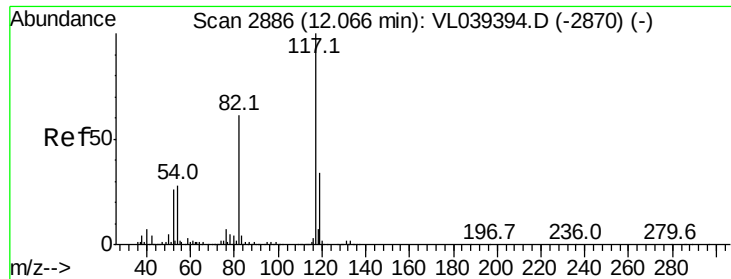
Tgt Ion: 107 Resp: 1426796

Ion Ratio Lower Upper

107 100

109 94.4 74.8 112.2

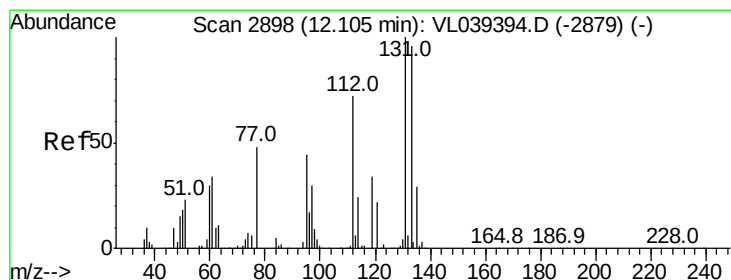
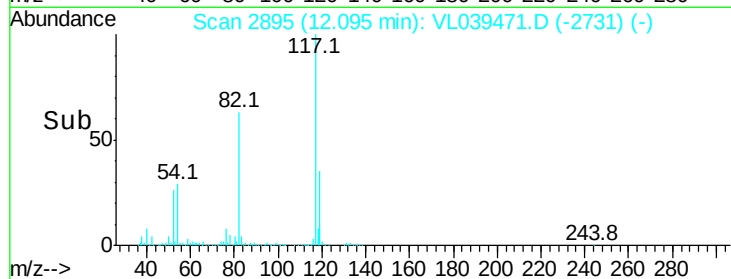
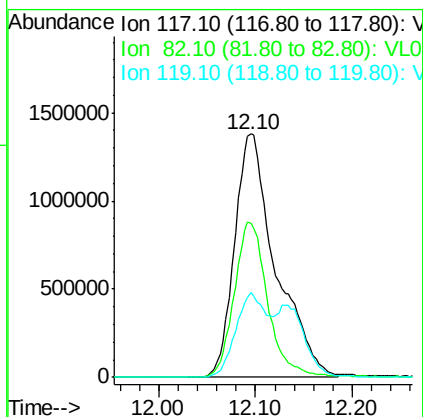
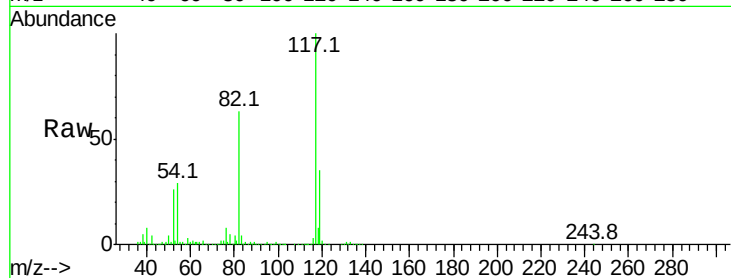




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.03 min
Lab File: ClientSampleId : VL0713ABS01
Acq: 13 Jul 2022 19:04

Tgt Ion:117 Resp: 4087788

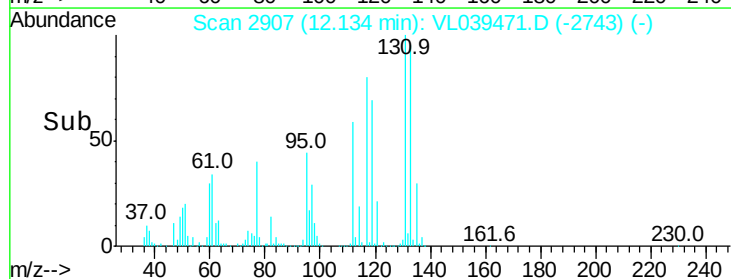
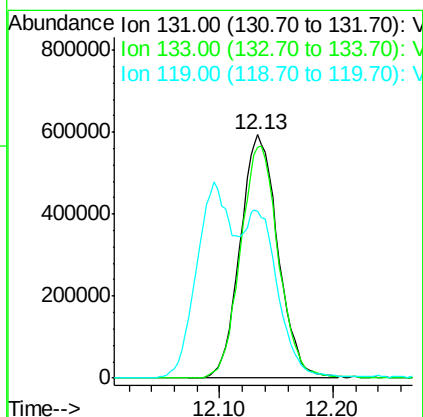
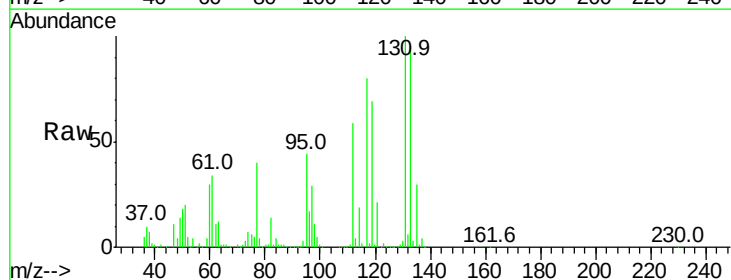
Ion	Ratio	Lower	Upper
117	100		
82	52.5	50.8	76.2
119	25.0	24.1	36.1

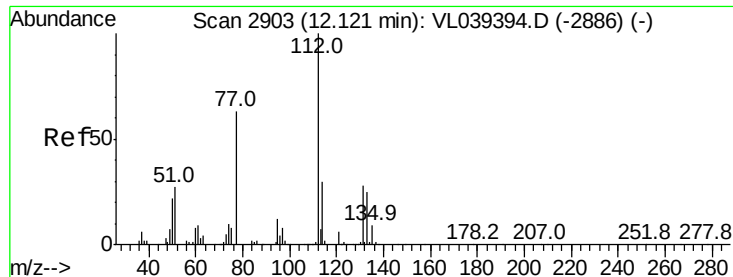


#56
1,1,1,2-Tetrachloroethane
Concen: 7.63 ppbv
RT: 12.13 min Scan# 2907
Delta R.T.: 0.03 min
Lab File: VL039471.D
Acq: 13 Jul 2022 19:04

Tgt Ion:131 Resp: 1377772

Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.8	115.2
119	66.0	46.2	69.4





#57

Chlorobenzene

Concen: 7.56 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04

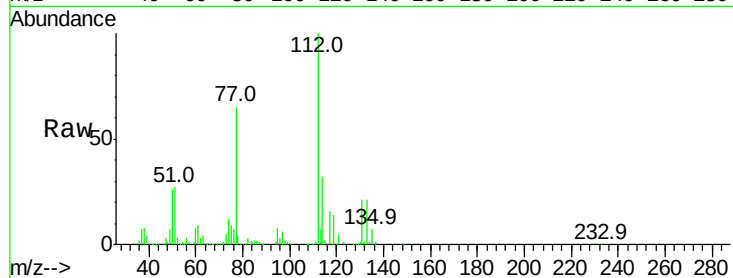
Tgt Ion: 112 Resp: 2397483

Ion Ratio Lower Upper

112 100

77 64.2 51.0 76.4

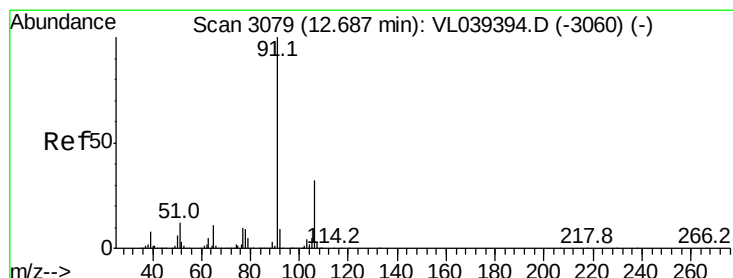
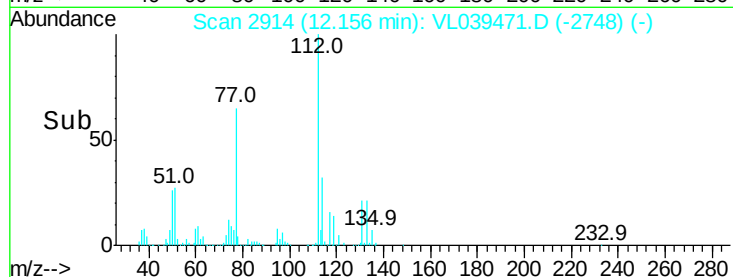
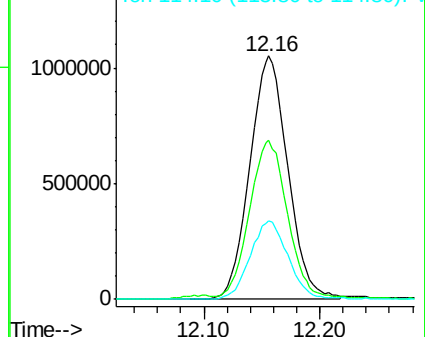
114 32.4 27.5 33.6



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: 8.02 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.03 min

Lab File: VL039471.D

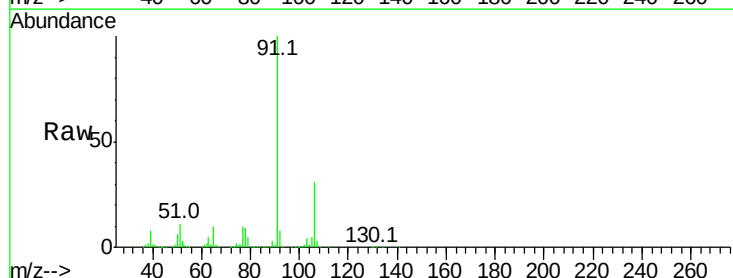
Acq: 13 Jul 2022 19:04

Tgt Ion: 91 Resp: 4230764

Ion Ratio Lower Upper

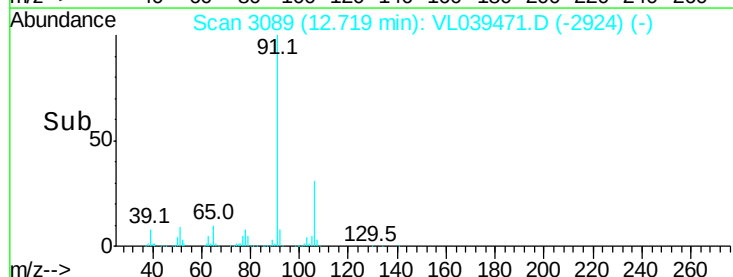
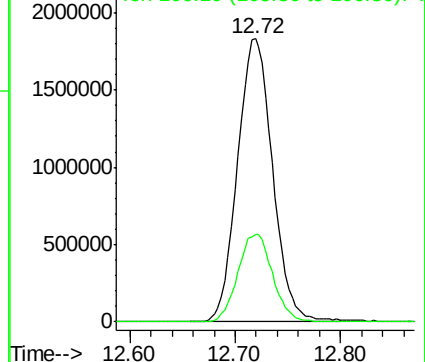
91 100

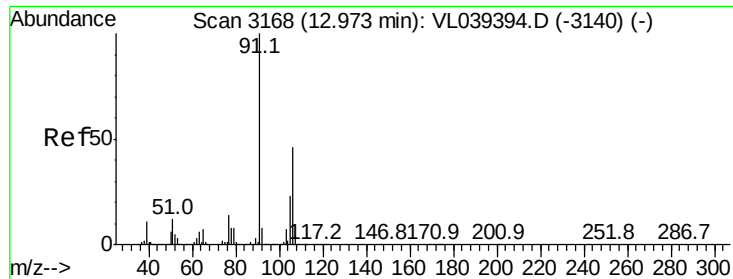
106 30.8 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

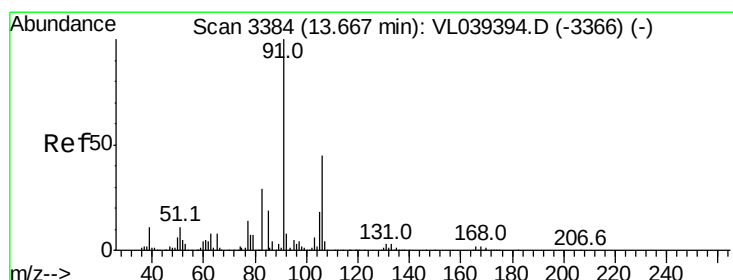
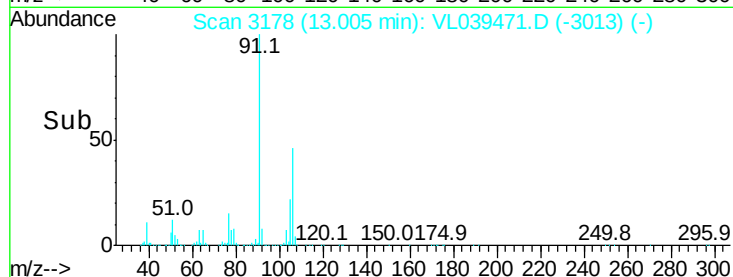
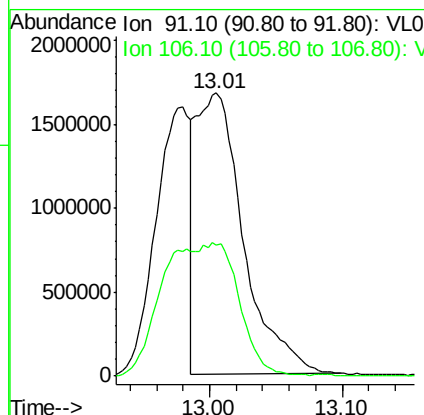
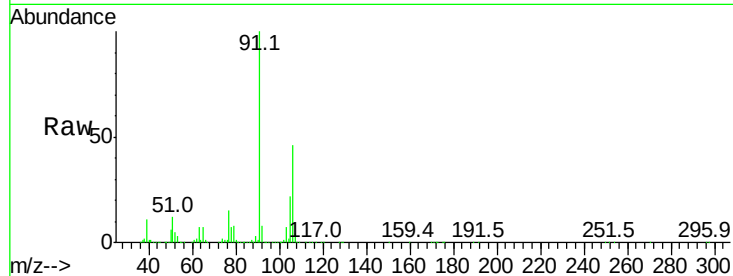
Ion 106.10 (105.80 to 106.80): V





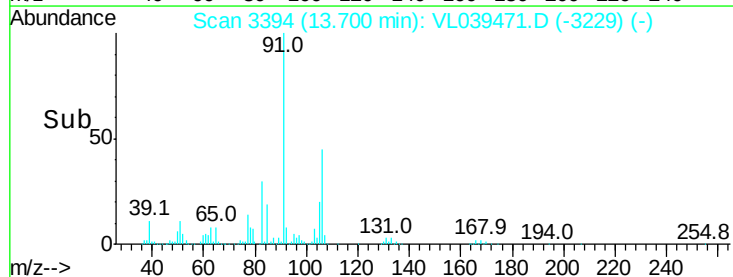
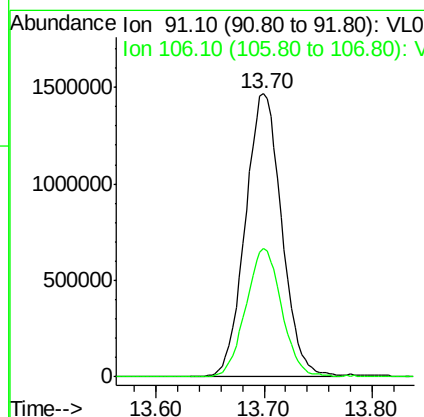
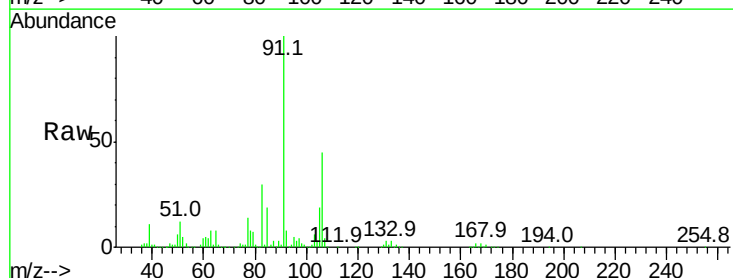
#59
m/p-Xylene
Concen: 8.87 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0713ABS01
Acq: 13 Jul 2022 19:04

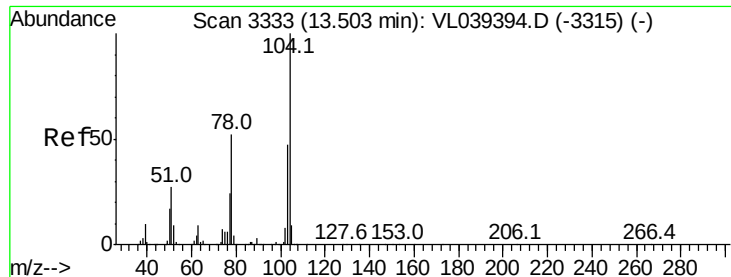
Tgt Ion: 91 Resp: 4129593
Ion Ratio Lower Upper
91 100
106 77.5 35.4 53.2#



#60
o-Xylene
Concen: 7.81 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL039471.D
Acq: 13 Jul 2022 19:04

Tgt Ion: 91 Resp: 3443302
Ion Ratio Lower Upper
91 100
106 45.0 22.4 67.3





#61

Styrene

Concen: 8.76 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04

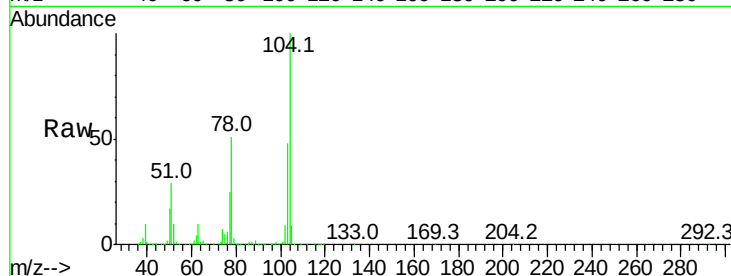
Tgt Ion:104 Resp: 2091234

Ion Ratio Lower Upper

104 100

78 51.3 41.2 61.8

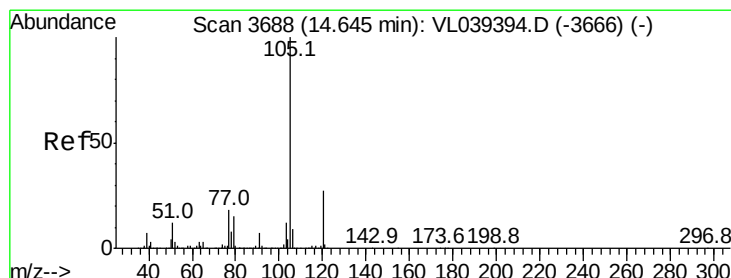
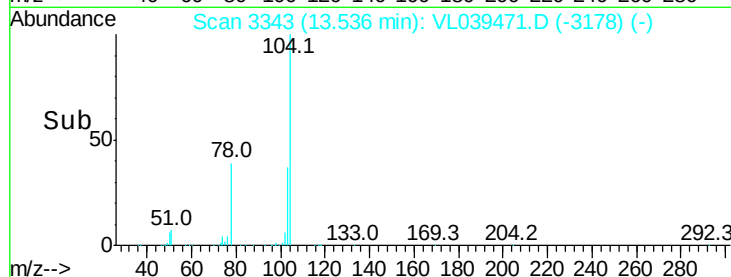
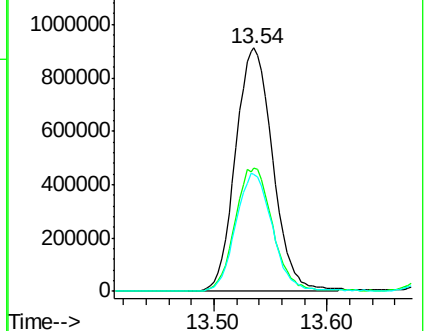
103 48.1 38.7 58.1



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: 7.63 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.03 min

Lab File: VL039471.D

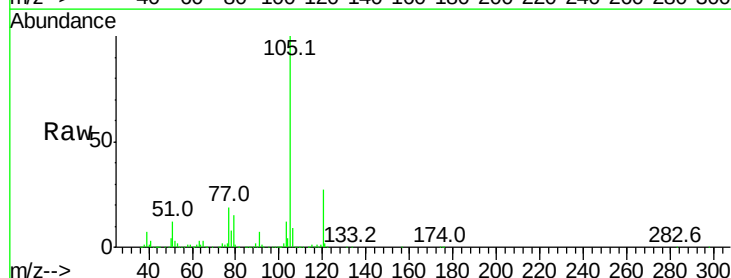
Acq: 13 Jul 2022 19:04

Tgt Ion:105 Resp: 5117947

Ion Ratio Lower Upper

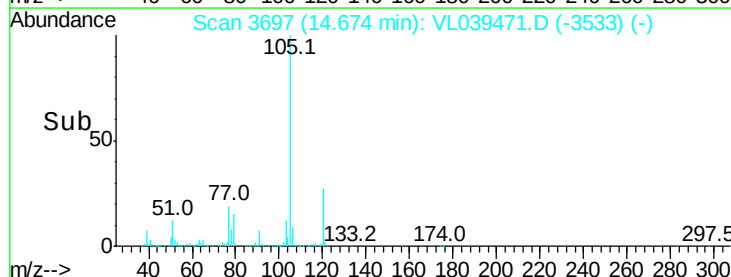
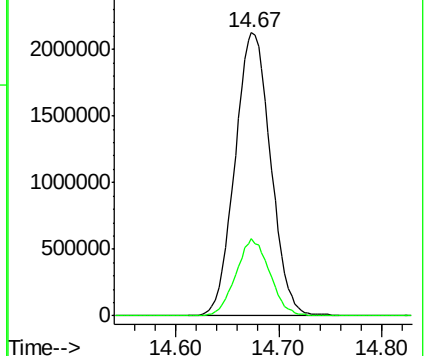
105 100

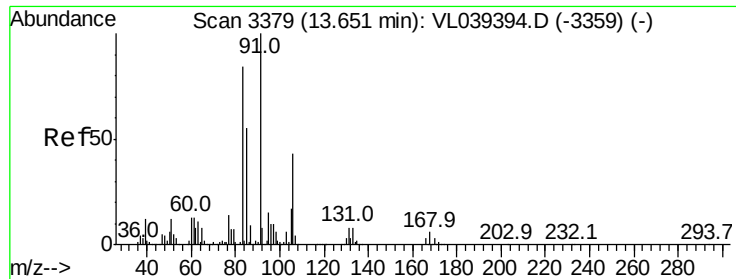
120 25.9 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

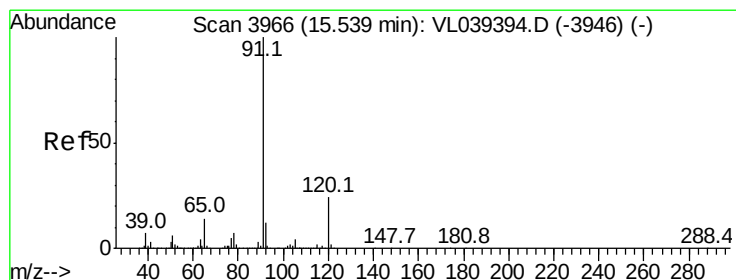
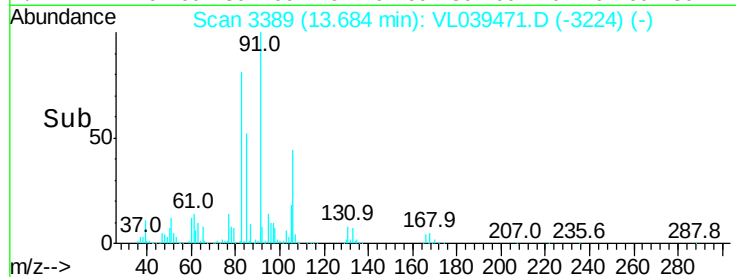
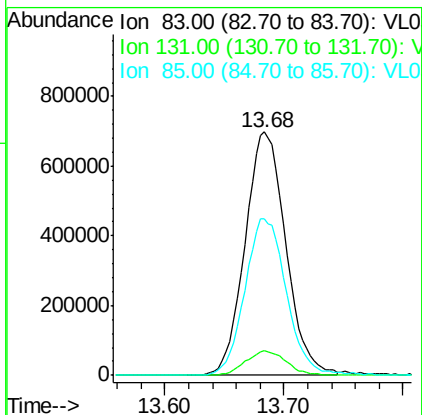
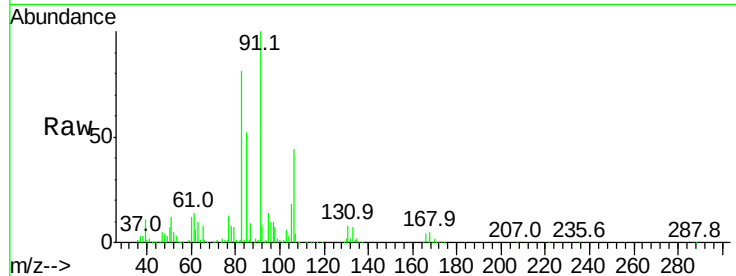
Ion 120.20 (119.90 to 120.90): V





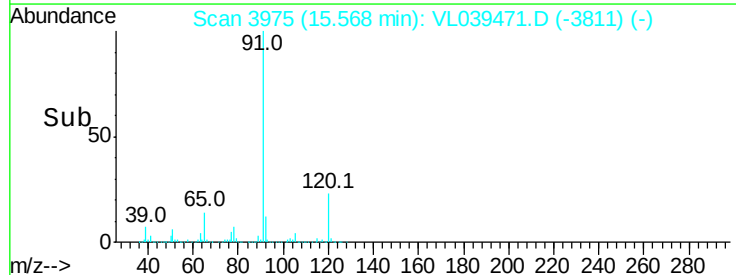
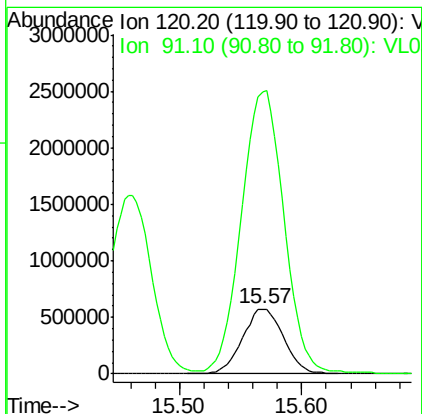
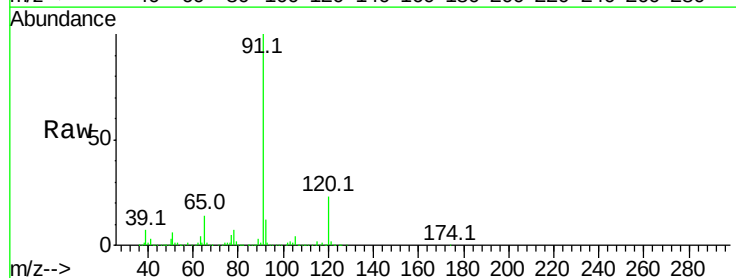
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.17 ppbv
 RT: 13.68 min
 Delta R.T. 0.03 min
 Lab File: VL0713ABS01
 Acq: 13 Jul 2022 19:04

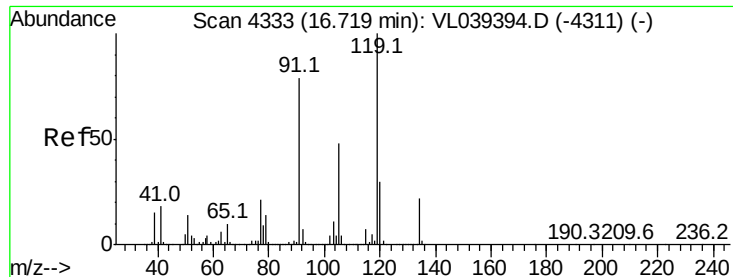
Tgt Ion:	83	Resp:	1655149
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.8
85	66.1	33.1	99.5



#64
 n-propylbenzene
 Concen: 7.89 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. 0.03 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

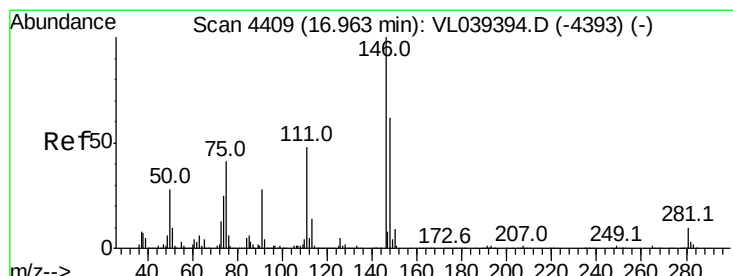
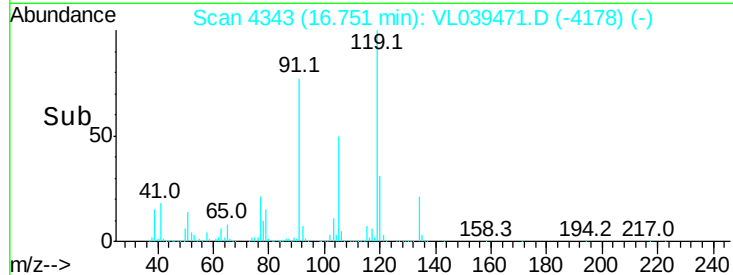
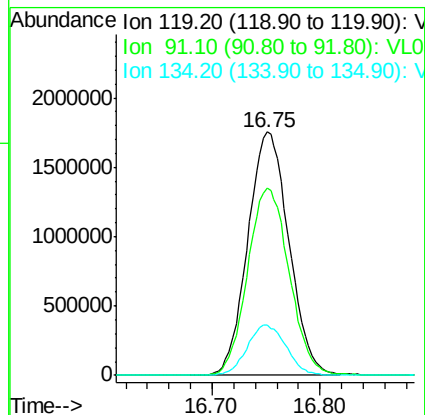
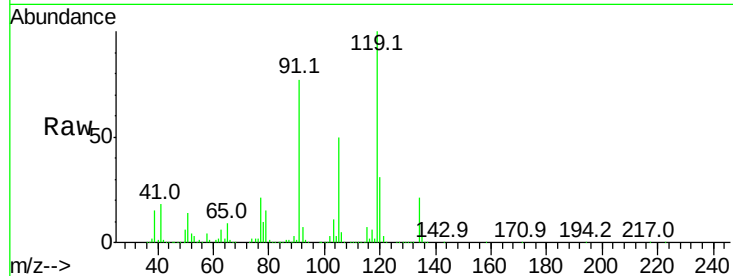
Tgt Ion:	120	Resp:	1341158
Ion	Ratio	Lower	Upper
120	100		
91	453.4	367.2	550.8





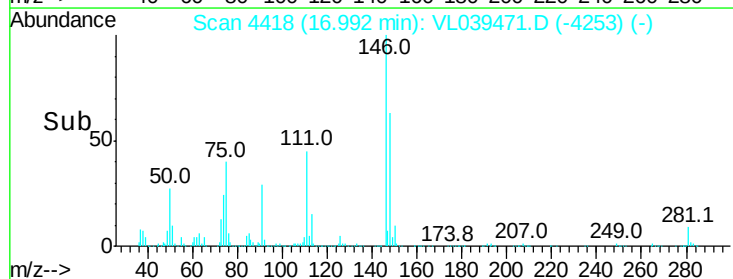
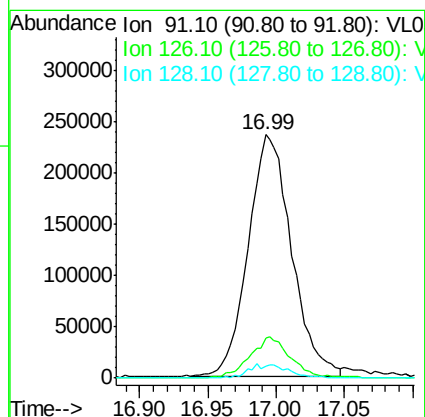
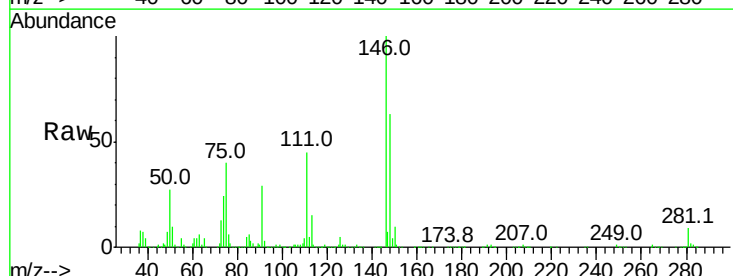
#65
 tert-Butylbenzene
 Concen: 7.48 ppbv
 RT: 16.75 min
 Delta R.T. 0.03 min
 Lab File: VL0713ABS01
 Acq: 13 Jul 2022 19:04

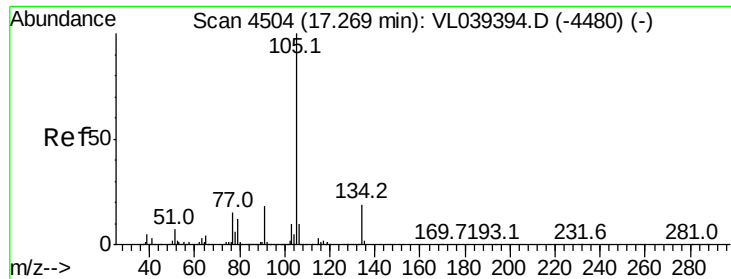
Tgt Ion	Ratio	Lower	Upper
119	100		
91	78.3	63.4	95.2
134	19.7	15.9	23.9



#66
 Benzyl Chloride
 Concen: 8.80 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.03 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.1	19.7
128	5.4	4.4	6.6





#67

sec-Butylbenzene

Concen: 7.59 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

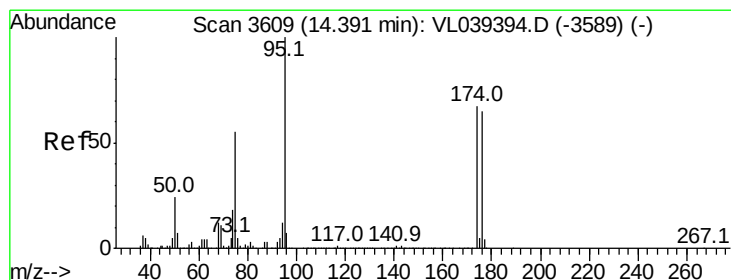
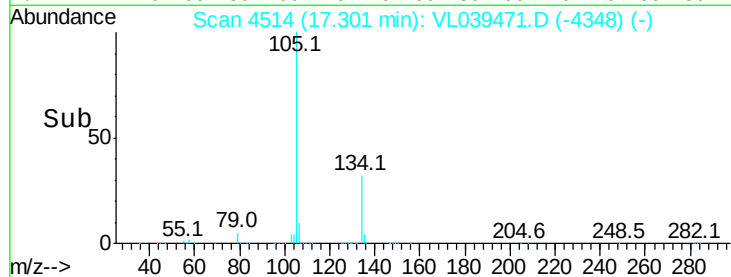
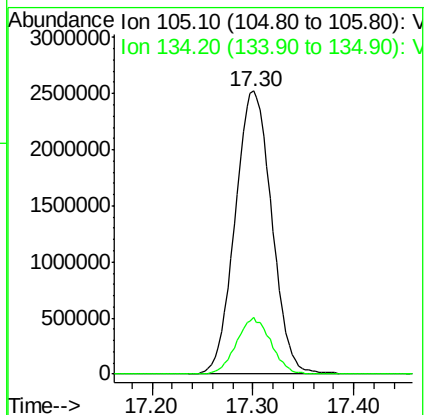
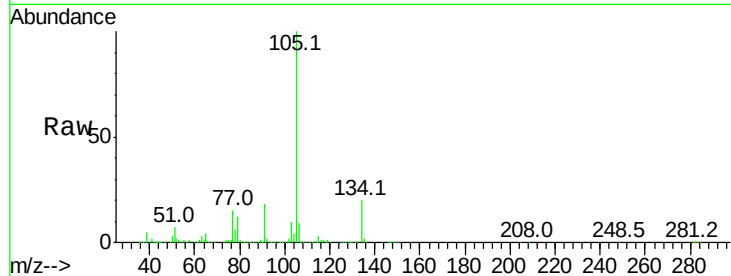
Acq: 13 Jul 2022 19:04

Tgt Ion: 105 Resp: 6341672

Ion Ratio Lower Upper

105 100

134 18.8 14.8 22.2



#68

1-Bromo-4-Fluorobenzene

Concen: 8.60 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.03 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

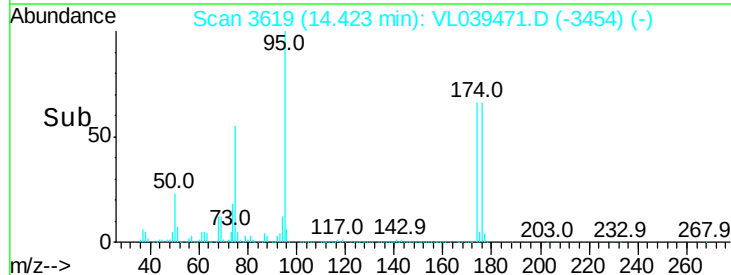
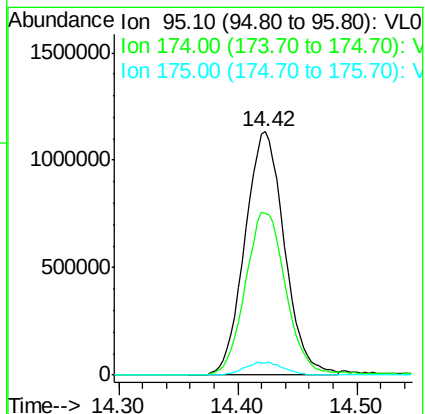
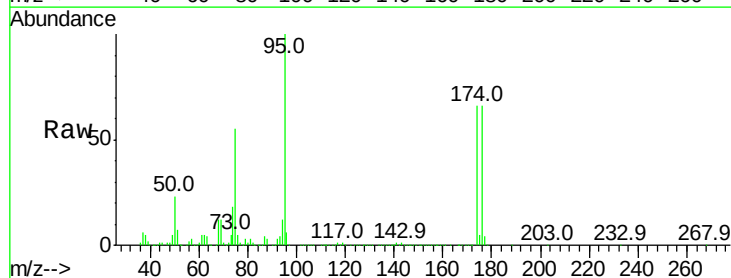
Tgt Ion: 95 Resp: 2606685

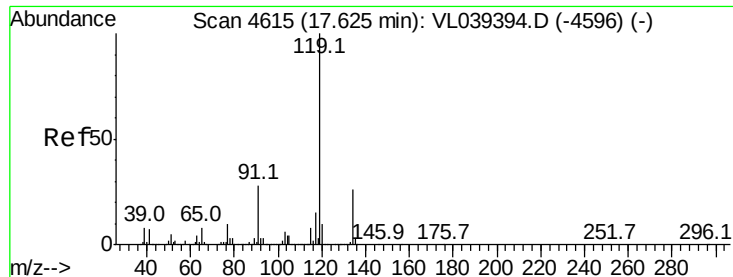
Ion Ratio Lower Upper

95 100

174 69.9 55.9 83.9

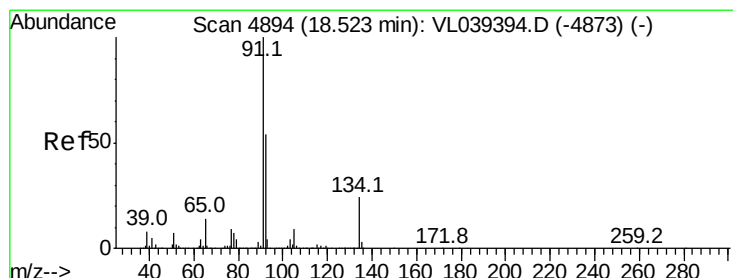
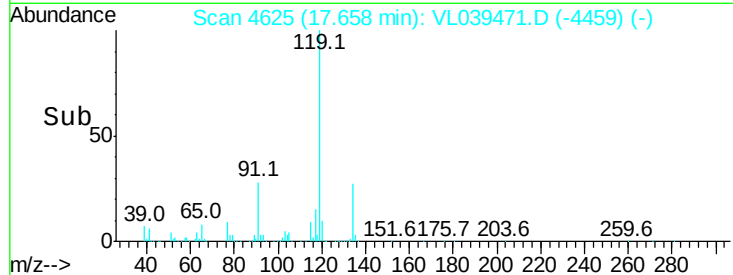
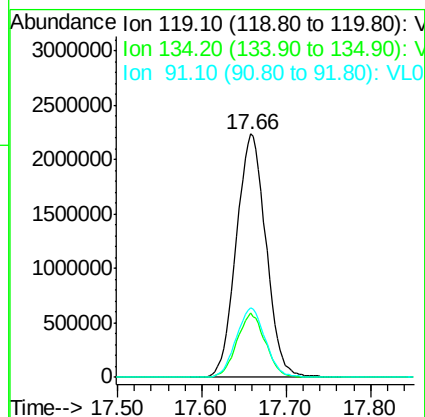
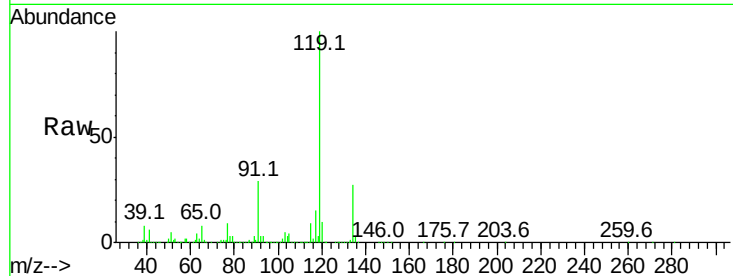
175 5.3 4.2 6.4





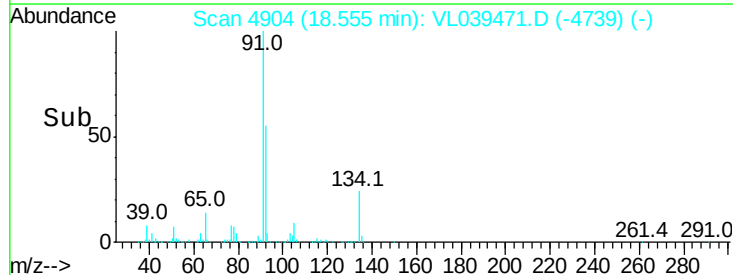
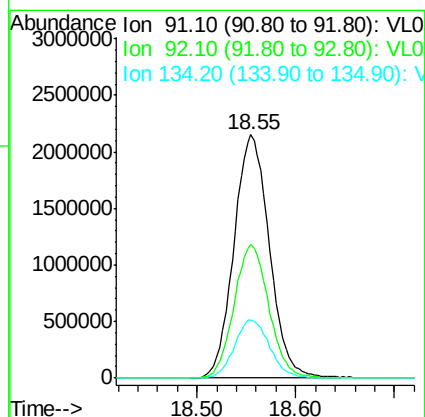
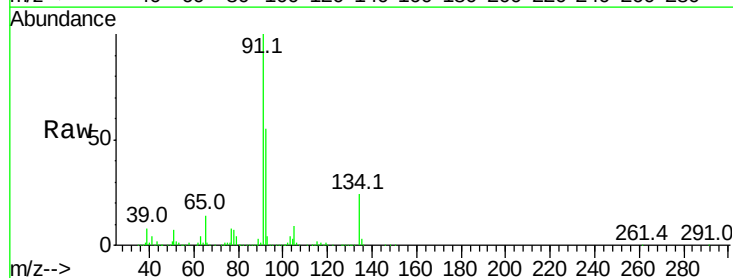
#69
 p-Isopropyltoluene
 Concen: 7.74 ppbv
 RT: 17.66
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0713ABS01
 Acq: 13 Jul 2022 19:04

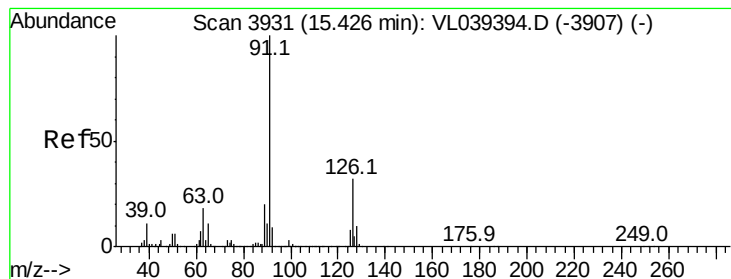
Tgt Ion: 119 Resp: 5488616
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.3 30.5
 91 28.0 22.9 34.3



#70
 n-Butylbenzene
 Concen: 7.79 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.03 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

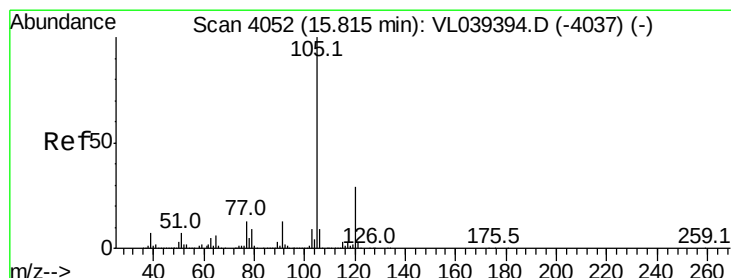
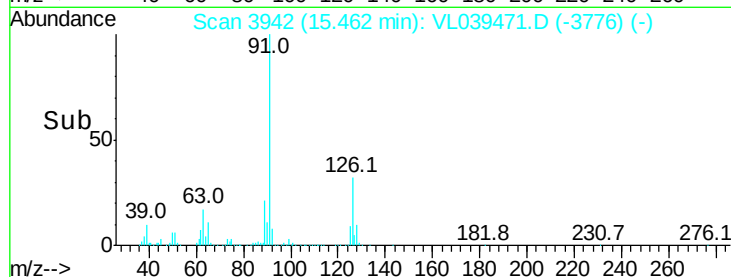
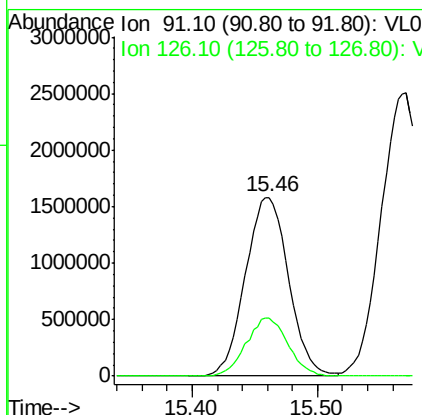
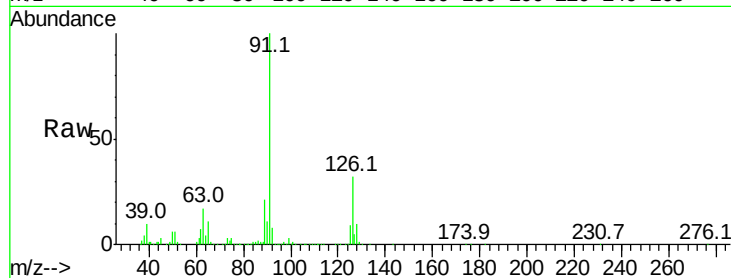
Tgt Ion: 91 Resp: 5355006
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.4 65.2
 134 23.9 18.9 28.3





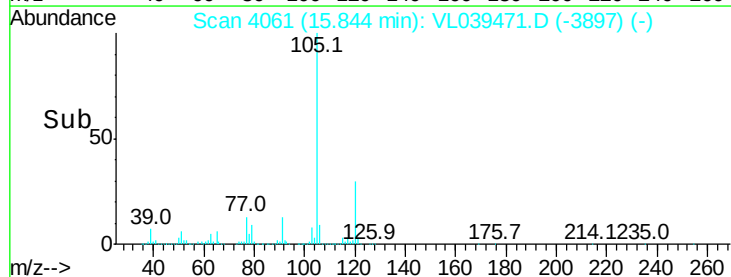
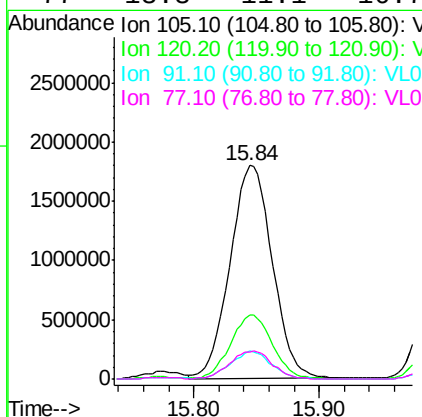
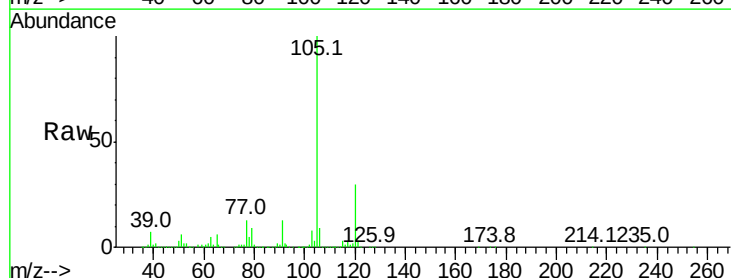
#71
 2-Chlorotoluene
 Concen: 7.88 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0713ABS01
 Acq: 13 Jul 2022 19:04

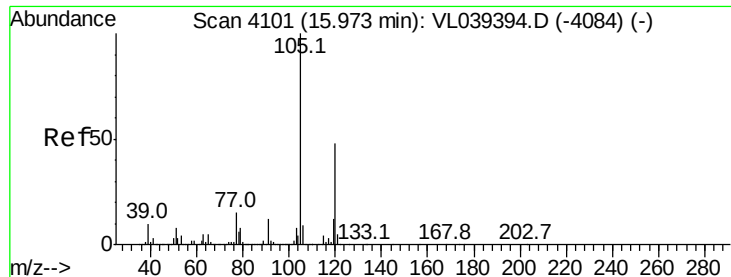
Tgt Ion: 91 Resp: 3783369
 Ion Ratio Lower Upper
 91 100
 126 31.9 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 8.09 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.03 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

Tgt Ion: 105 Resp: 4191312
 Ion Ratio Lower Upper
 105 100
 120 30.0 24.2 36.2
 91 12.7 10.2 15.4
 77 13.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.92 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

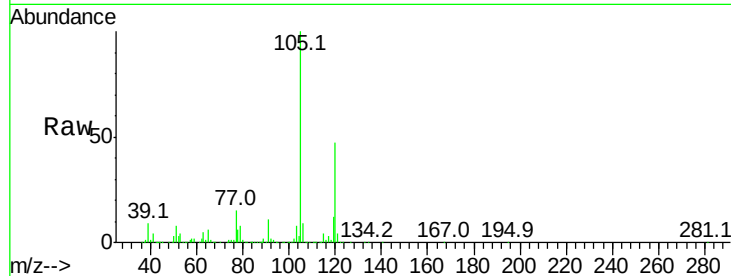
Acq: 13 Jul 2022 19:04

Tgt Ion:105 Resp: 3767363

Ion Ratio Lower Upper

105 100

120 47.3 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

1500000

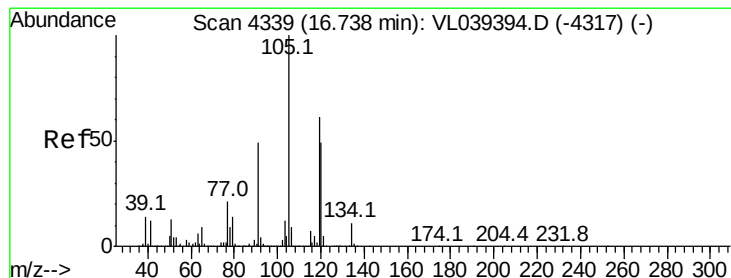
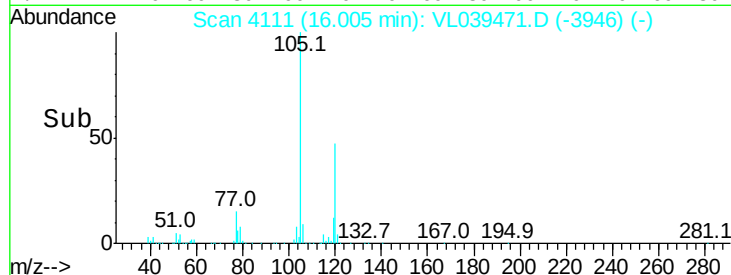
1000000

500000

0

Time-->

15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.65 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.03 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

Tgt Ion:105 Resp: 4026918

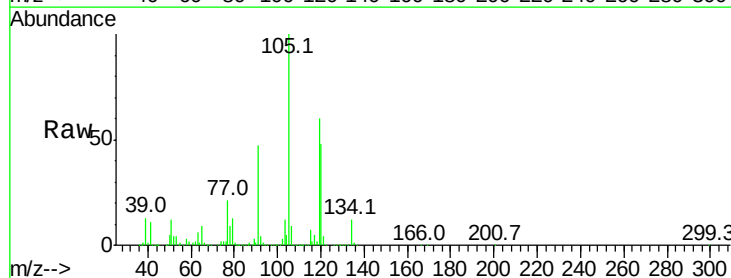
Ion Ratio Lower Upper

105 100

120 48.1 39.5 59.3

91 46.7 39.2 58.8

77 21.1 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

2500000

2000000

1500000

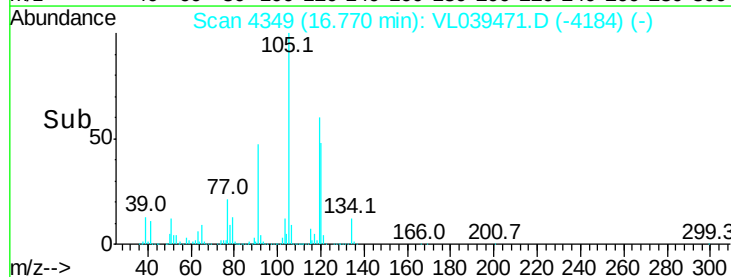
1000000

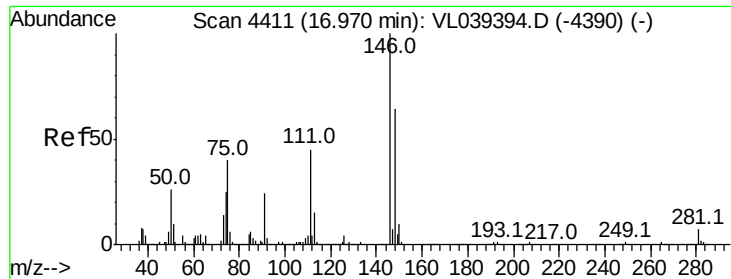
500000

0

Time-->

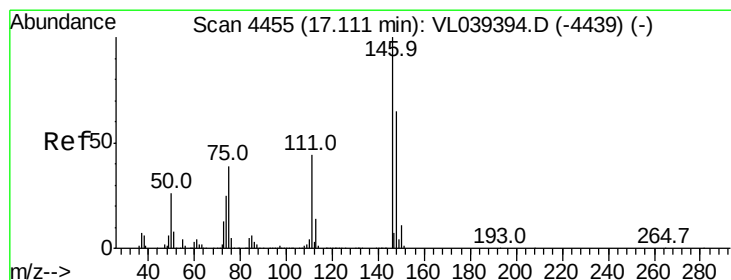
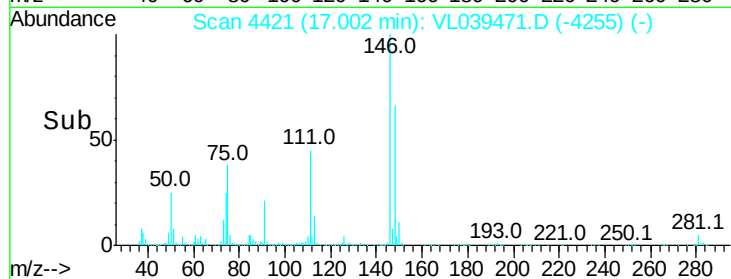
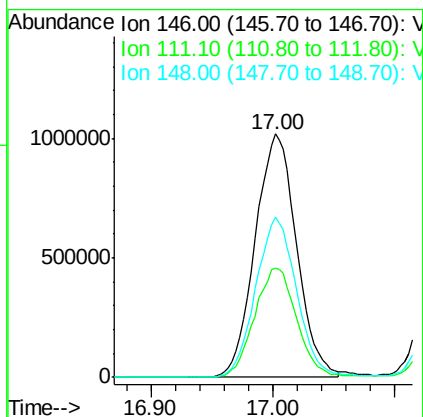
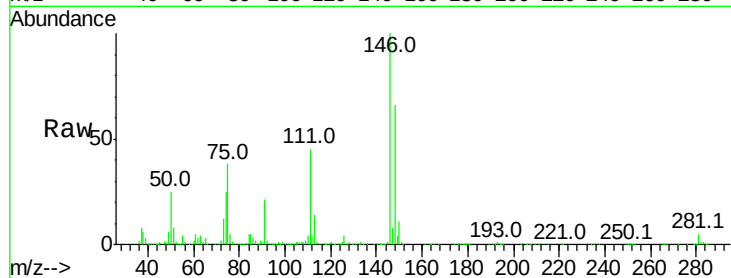
16.70 16.80





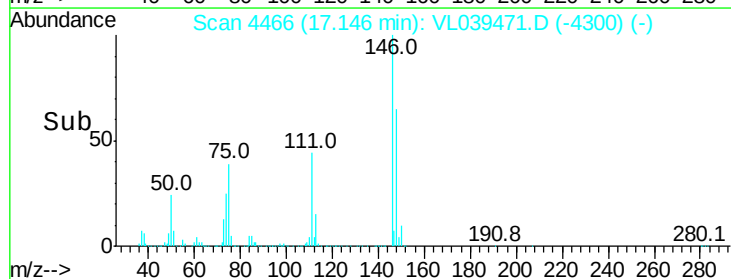
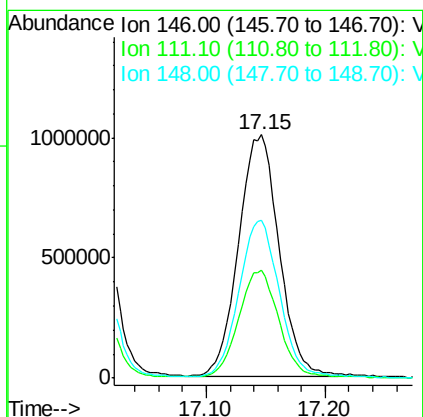
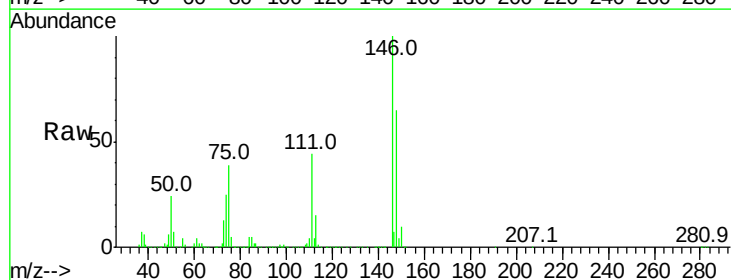
#75
 1,3-Dichlorobenzene
 Concen: 7.64 ppbv
 RT: 17.00 min
 Delta R.T. 0.04 min
 Lab File: VL0713ABS01
 Acq: 13 Jul 2022 19:04

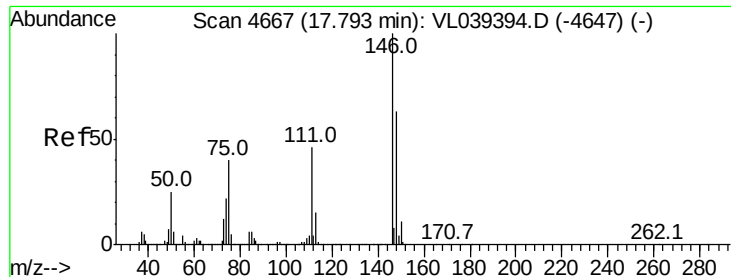
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.7
148	65.4	32.1	96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.58 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. 0.04 min
 Lab File: VL039471.D
 Acq: 13 Jul 2022 19:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.8
148	66.4	33.6	100.8





#77

1,2-Dichlorobenzene

Concen: 7.50 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04

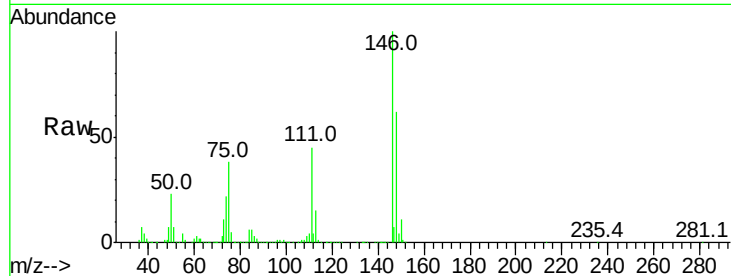
Tgt Ion:146 Resp: 2334078

Ion Ratio Lower Upper

146 100

111 47.5 23.8 71.5

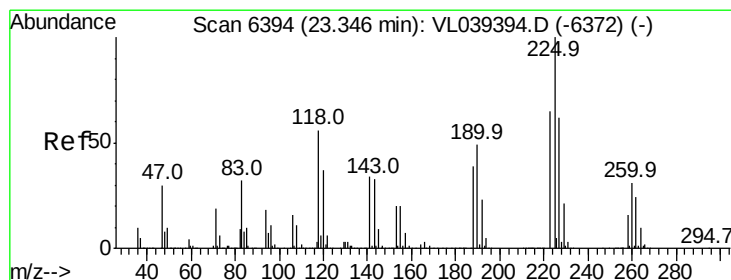
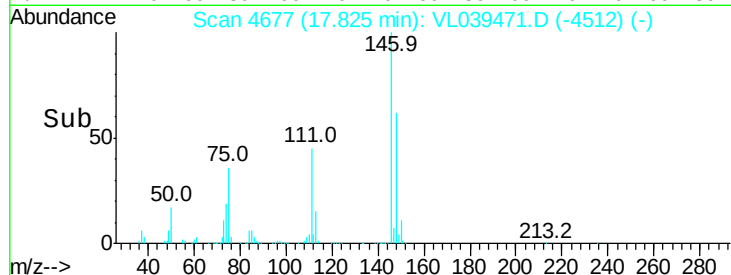
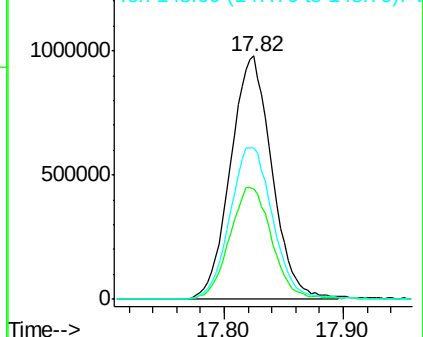
148 65.4 32.3 96.8



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: 6.67 ppbv

RT: 23.38 min Scan# 6405

Delta R.T. 0.04 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

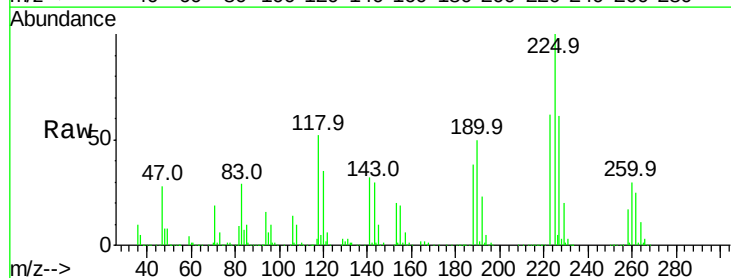
Tgt Ion:225 Resp: 1670484

Ion Ratio Lower Upper

225 100

223 63.6 51.8 77.6

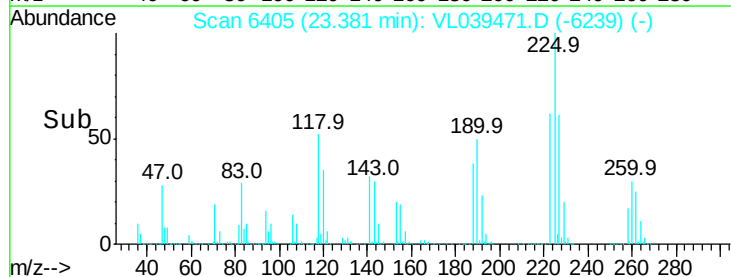
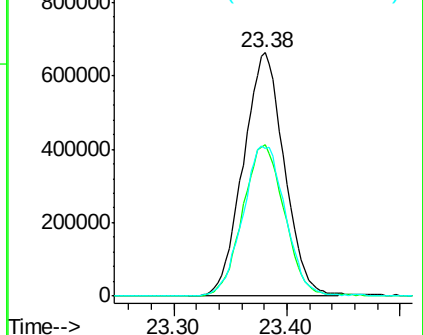
227 64.5 51.4 77.2

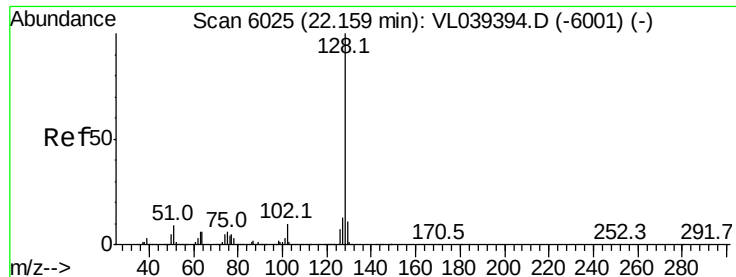


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.91 ppbv

RT: 22.20

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 Jul 2022 19:04

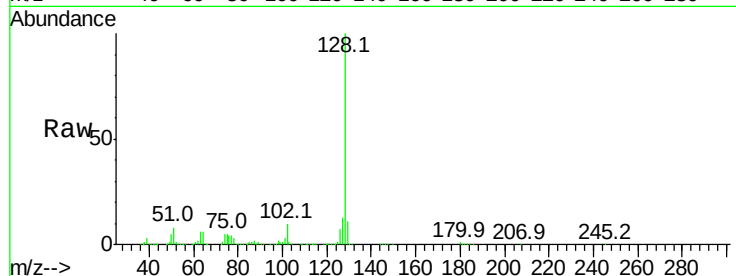
Tgt Ion:128 Resp: 3228265

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

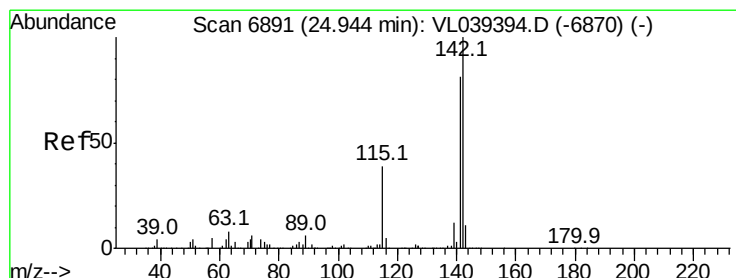
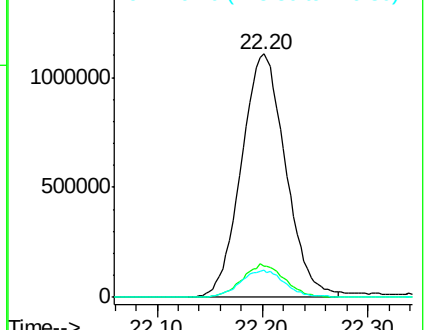
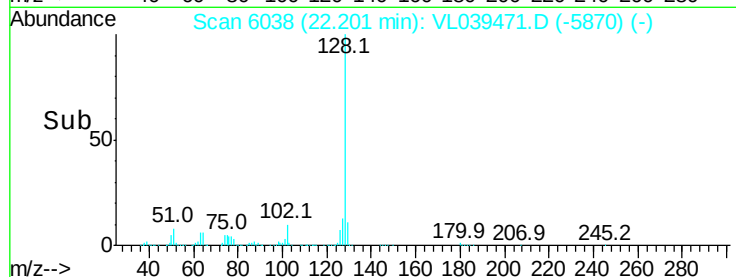
129 11.0 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 8.60 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. 0.03 min

Lab File: VL039471.D

Acq: 13 Jul 2022 19:04

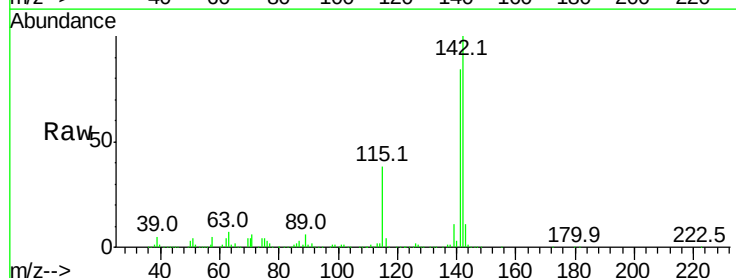
Tgt Ion:142 Resp: 1060905

Ion Ratio Lower Upper

142 100

141 86.6 68.9 103.3

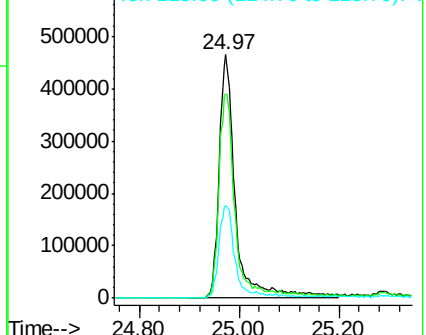
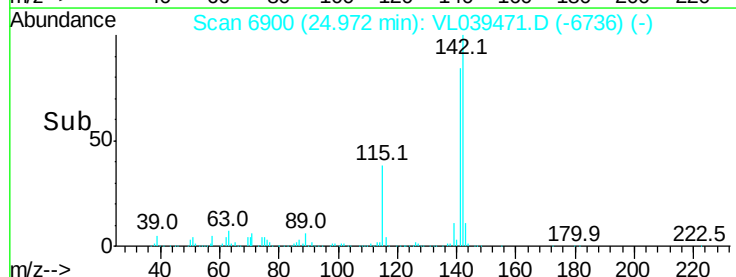
115 36.7 30.0 45.0

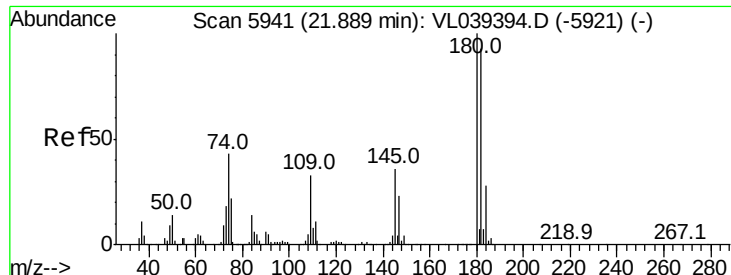


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.91 ppbv

RT: 21.93

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

VL0713ABS01

Acq: 13 Jul 2022 19:04

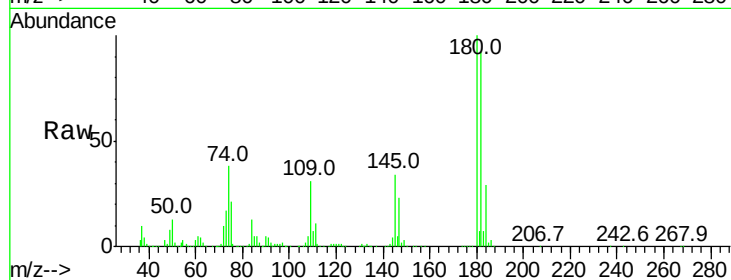
Tgt Ion:180 Resp: 1867138

Ion Ratio Lower Upper

180 100

182 98.1 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

