

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083122\
 Data File : VL039605.D
 Acq On : 31 Aug 2022 12:25
 Operator : SY/AP
 Sample : VL0831ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0831ABS01

Quant Time: Aug 31 23:44:22 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.22	49	1011546	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	6.67	114	2667057	10.00	ppbv	0.01
55) Chlorobenzene-d5	11.49	117	2497634	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.79	95	1845385	9.79	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.76	85	946826	7.034 ppbv	100
3) Chlorodifluoromethane	2.70	51	1181369	9.802 ppbv	97
4) Chloromethane	2.84	50	731403	10.076 ppbv	96
5) Vinyl Chloride	2.95	62	631057	10.771 ppbv	96
6) Bromomethane	3.15	94	250395	10.077 ppbv	99
7) Chloroethane	3.22	64	235244	10.717 ppbv	98
8) Dichlorotetrafluoroethane	2.89	85	1368355	9.502 ppbv	95
9) Propene	2.72	41	532484	9.656 ppbv	98
10) Heptane	7.60	43	1390435	10.888 ppbv	100
11) Trichlorofluoromethane	3.59	101	1484748	10.050 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.09	101	1097334	10.042 ppbv	99
13) Ethanol	3.27	45	24820	6.263 ppbv	72
14) Bromoethene	3.39	108	476705	10.677 ppbv	98
15) Acetone	3.49	43	1127077	9.947 ppbv	99
16) 1,3-Butadiene	3.01	39	607356	10.272 ppbv	100
17) tert-Butyl alcohol	3.90	59	1025492	10.604 ppbv	99
18) 1,1-Dichloroethene	3.91	96	509331	10.349 ppbv	96
19) Isopropyl Alcohol	3.60	45	613262	11.126 ppbv	99
20) Methylene Chloride	3.96	84	423223	9.194 ppbv	97
21) Allyl Chloride	4.02	41	784325	10.641 ppbv	99
22) trans-1,2-Dichloroethene	4.47	96	496369	10.140 ppbv	96
23) Vinyl Acetate	4.65	43	566604	10.516 ppbv #	98
24) 1,1-Dichloroethane	4.59	63	1034286	10.371 ppbv	98
25) Ethyl Acetate	5.23	43	2471427	10.194 ppbv	99
26) Hexane	5.24	57	1033896	10.448 ppbv	97
27) Carbon Disulfide	4.15	76	1227482	11.612 ppbv	99
28) Methyl tert-Butyl Ether	4.61	73	844635	9.894 ppbv	99
29) Chloroform	5.30	83	1573415	10.167 ppbv	93
30) Cyclohexane	6.63	84	875153	10.680 ppbv	97
31) cis-1,2-Dichloroethene	5.10	61	1002615	10.460 ppbv	98
32) 1,1,1-Trichloroethane	6.03	97	1505042	11.054 ppbv	98
34) 2-Butanone	4.81	43	1439311	10.855 ppbv	97
35) Carbon Tetrachloride	6.52	117	1622011	11.251 ppbv	100
36) Benzene	6.39	78	2168681	10.667 ppbv	97
37) 1,2-Dichloroethane	5.83	62	1173501	10.479 ppbv	99
38) Trichloroethene	7.31	130	1195965	10.979 ppbv	97
39) 1,2-Dichloropropane	7.10	63	812379	10.628 ppbv	96
40) 1,4-Dioxane	7.31	88	335989	11.227 ppbv	98
41) Tetrahydrofuran	5.58	42	882133	11.137 ppbv	97
42) Bromodichloromethane	7.27	83	1689618	11.026 ppbv	97
43) Methyl Methacrylate	7.50	69	865158	11.801 ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083122\
 Data File : VL039605.D
 Acq On : 31 Aug 2022 12:25
 Operator : SY/AP
 Sample : VL0831ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

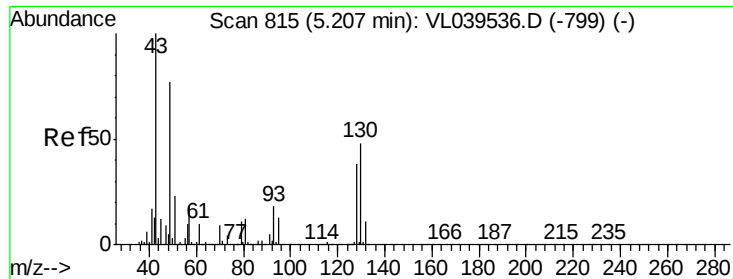
Instrument :
 MSVOA L
 ClientSampleId :
 VL0831ABS01

Quant Time: Aug 31 23:44:22 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

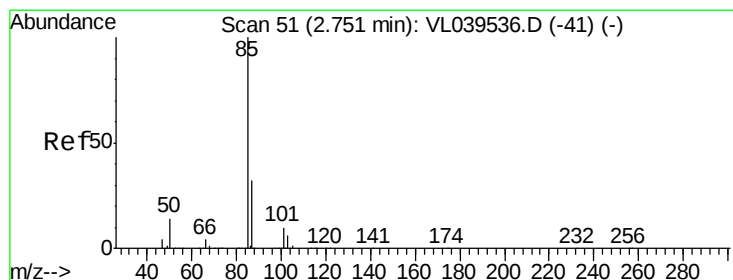
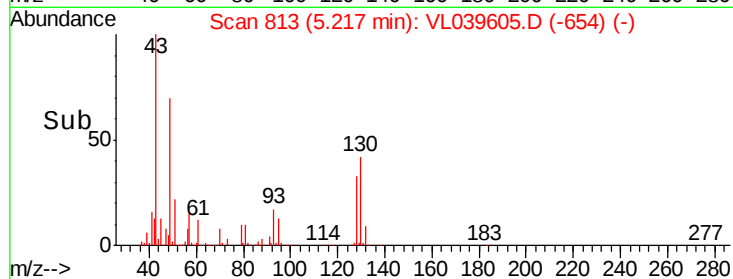
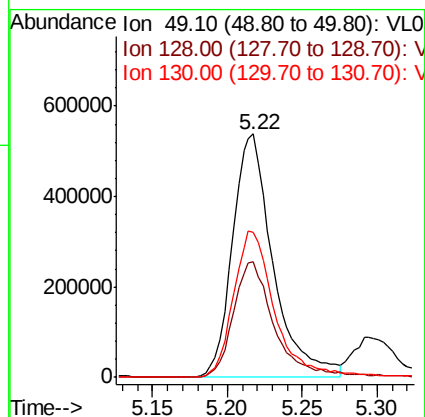
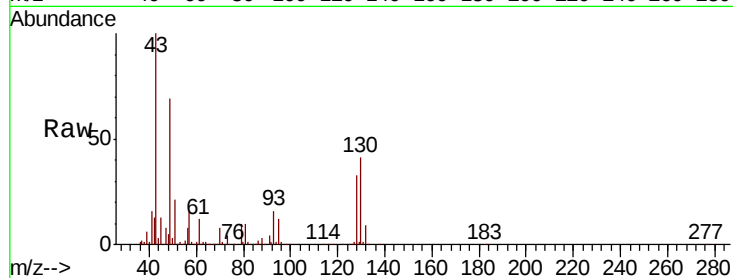
44) 2,2,4-Trimethylpentane	7.35	57	3628862	10.588	ppbv	99
45) t-1,3-Dichloropropene	8.73	75	834217	13.066	ppbv	99
46) cis-1,3-Dichloropropene	8.16	75	1119811	12.663	ppbv	99
47) 1,1,2-Trichloroethane	8.92	97	914714	10.479	ppbv	98
48) Dibromochloromethane	9.73	129	1519518	11.809	ppbv	99
49) Bromoform	12.42	173	1314923	12.337	ppbv	98
50) 4-Methyl-2-Pentanone	8.20	43	2276226	11.019	ppbv	100
51) 2-Hexanone	9.57	43	1799874	11.839	ppbv #	99
52) Tetrachloroethene	10.64	164	840453	10.927	ppbv	97
53) Toluene	9.24	91	2574238	11.314	ppbv	100
54) 1,2-Dibromoethane	10.03	107	1103041	11.297	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.53	131	1105746	10.896	ppbv	98
57) Chlorobenzene	11.55	112	1983657	10.646	ppbv	99
58) Ethyl Benzene	12.11	91	3408883	11.879	ppbv	99
59) m/p-Xylene	12.39	91	3001924	11.660	ppbv #	34
60) o-Xylene	13.08	91	2755130	11.149	ppbv	99
61) Styrene	12.92	104	1698884	12.908	ppbv	99
62) Isopropylbenzene	14.05	105	4090231	10.946	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.06	83	1159401	9.907	ppbv	99
64) n-propylbenzene	14.94	120	1069257	11.010	ppbv	97
65) tert-Butylbenzene	16.11	119	3669290	11.046	ppbv	99
66) Benzyl Chloride	16.35	91	358096	13.271	ppbv	99
67) sec-Butylbenzene	16.65	105	5097231	10.834	ppbv	99
69) p-Isopropyltoluene	17.01	119	4277158	10.952	ppbv	99
70) n-Butylbenzene	17.90	91	4312009	11.097	ppbv	99
71) 2-Chlorotoluene	14.82	91	3003978	11.099	ppbv	100
72) 4-Ethyltoluene	15.21	105	3362775	11.638	ppbv	99
73) 1,3,5-Trimethylbenzene	15.37	105	2972975	11.259	ppbv	97
74) 1,2,4-Trimethylbenzene	16.12	105	3200898	10.879	ppbv	95
75) 1,3-Dichlorobenzene	16.35	146	1959915	10.956	ppbv	100
76) 1,4-Dichlorobenzene	16.49	146	1915342	10.747	ppbv	98
77) 1,2-Dichlorobenzene	17.16	146	1896718	10.828	ppbv	99
78) Hexachloro-1,3-Butadiene	22.65	225	1387967	9.949	ppbv	99
79) Naphthalene	21.40	128	2797455	13.350	ppbv	99
80) Naphthalene, 2-methyl-	24.39	142	1288903	15.156	ppbv	99
81) 1,2,4-Trichlorobenzene	21.16	180	650776	4.651	ppbv #	6

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



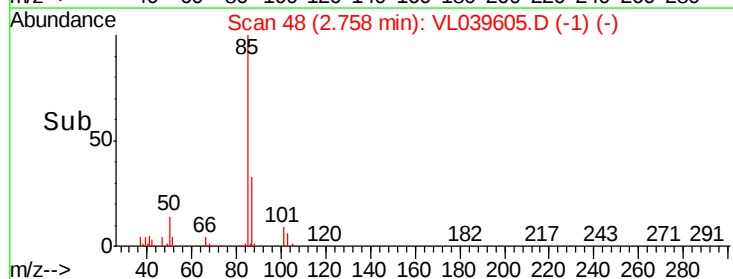
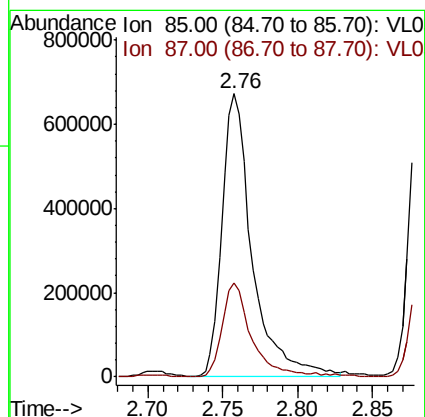
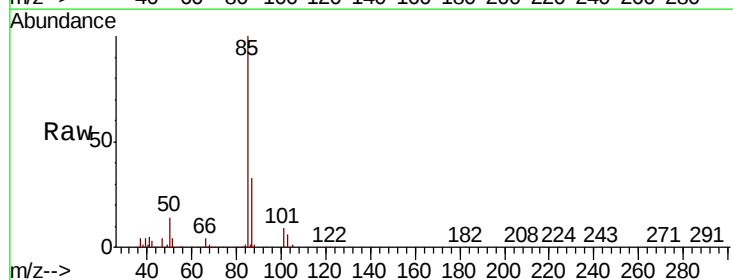
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.22
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VL0831ABS01
 Acq: 31 Aug 2022 12:25

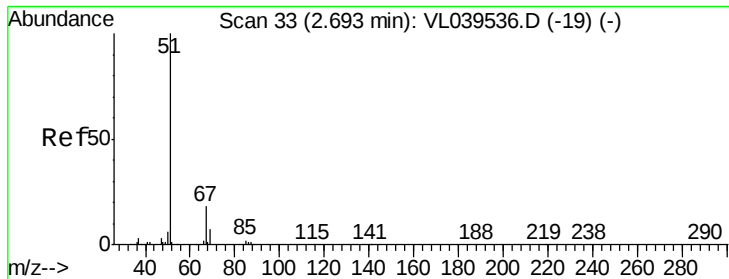
Tot Ion: 49 Resp: 1011546
 Ion Ratio Lower Upper
 49 100
 128 48.7 26.7 80.0
 130 62.6 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 7.034 ppbv
 RT: 2.76 min Scan# 48
 Delta R.T.: 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion: 85 Resp: 946826
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.7 40.1





#3

Chlorodifluoromethane

Concen: 9.802 ppbv

RT: 2.70 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

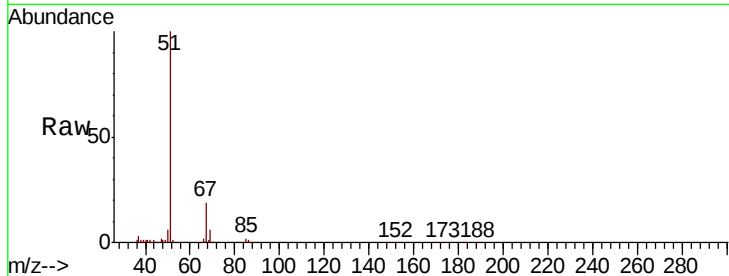
Acq: 31 Aug 2022 12:25

Tot Ion: 51 Resp: 1181369

Ion Ratio Lower Upper

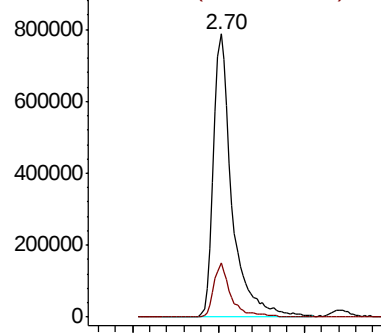
51 100

67 18.1 15.7 23.5

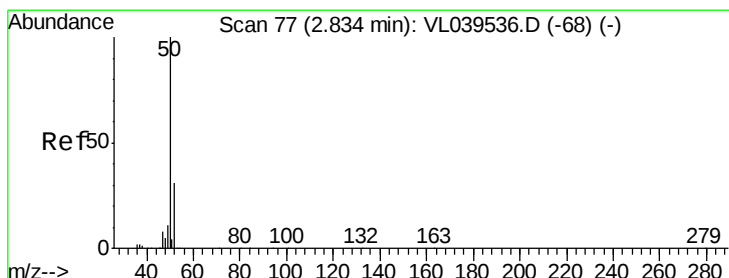
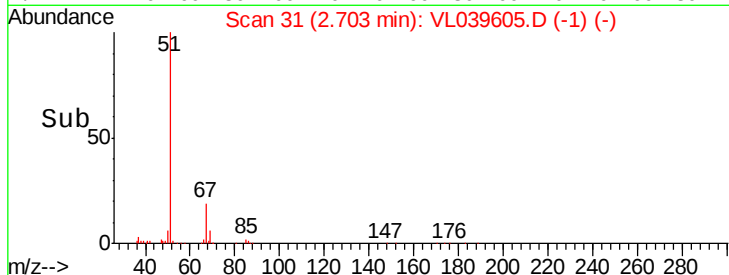


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 10.076 ppbv

RT: 2.84 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL039605.D

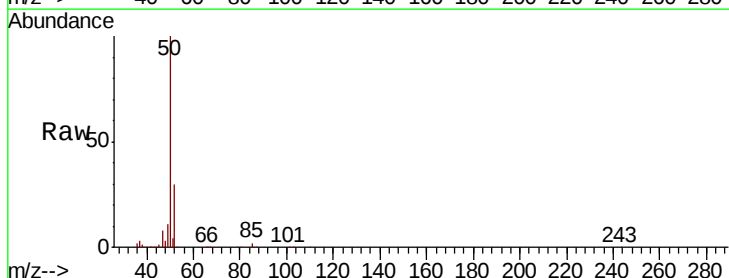
Acq: 31 Aug 2022 12:25

Tgt Ion: 50 Resp: 731403

Ion Ratio Lower Upper

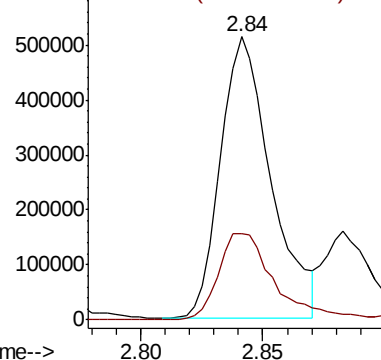
50 100

52 30.7 26.5 39.7

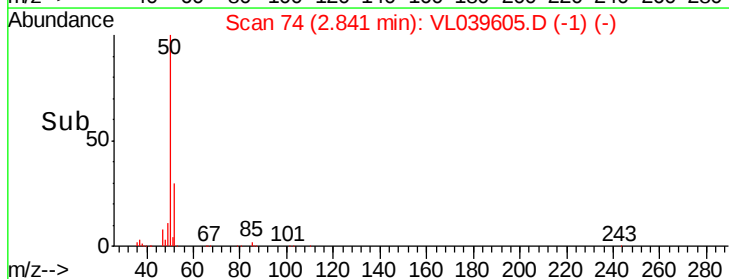


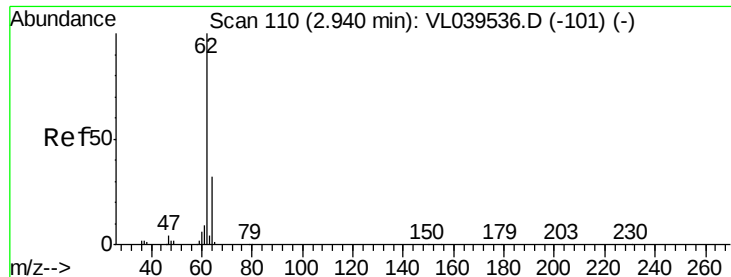
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 10.771 ppbv

RT: 2.95 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

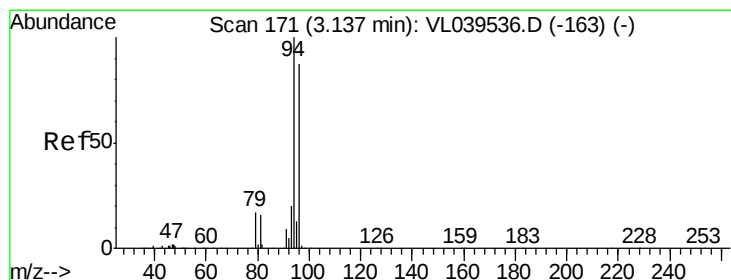
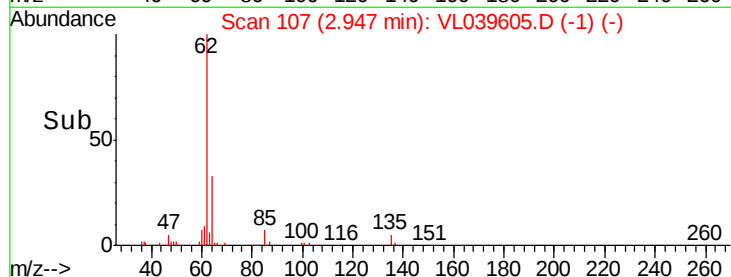
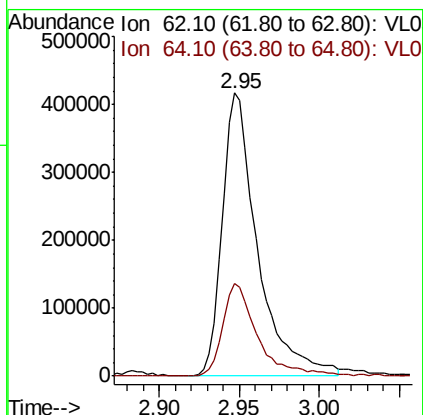
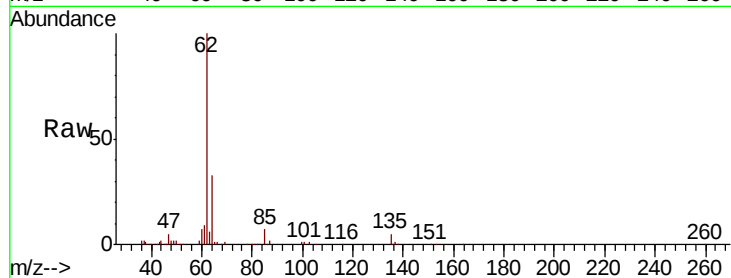
Acq: 31 Aug 2022 12:25 VL0831ABS01

Tot Ion: 62 Resp: 631057

Ion Ratio Lower Upper

62 100

64 32.8 24.6 36.8



#6

Bromomethane

Concen: 10.077 ppbv

RT: 3.15 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL039605.D

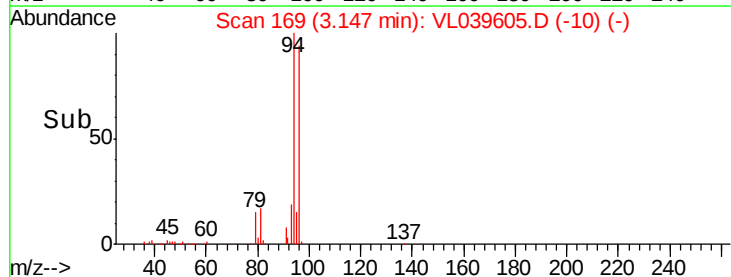
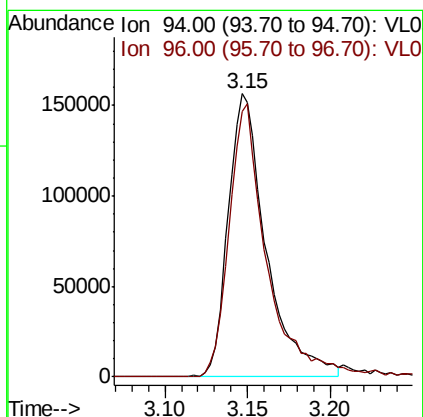
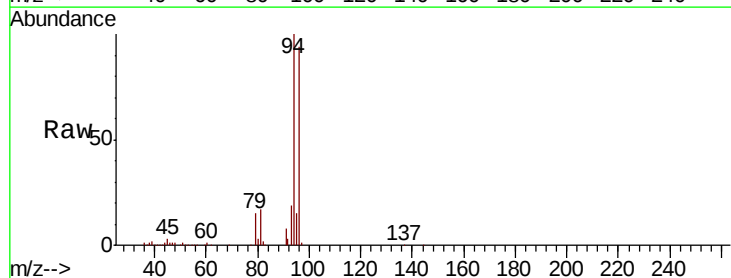
Acq: 31 Aug 2022 12:25

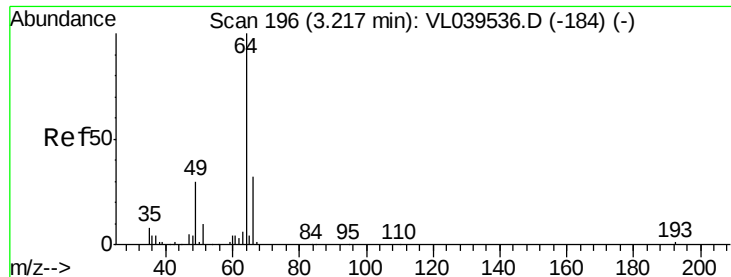
Tgt Ion: 94 Resp: 250395

Ion Ratio Lower Upper

94 100

96 93.9 75.6 113.4





#7

Chloroethane

Concen: 10.717 ppbv

RT: 3.22 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0831ABS01

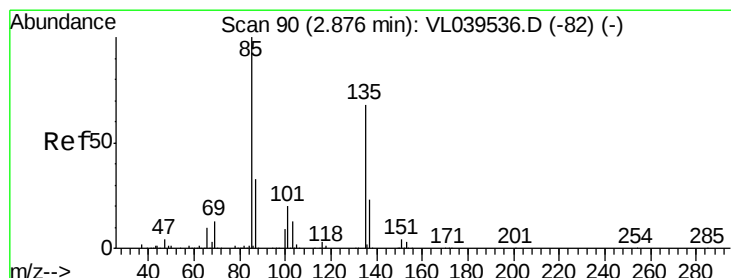
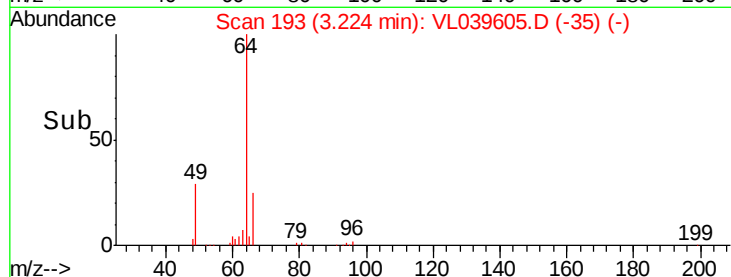
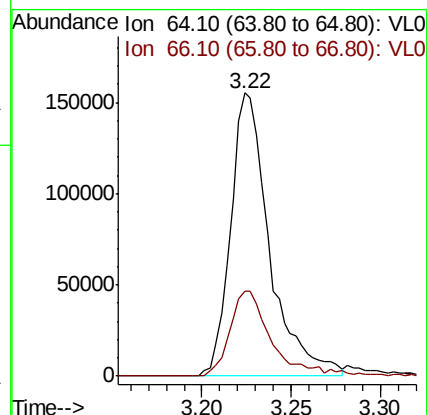
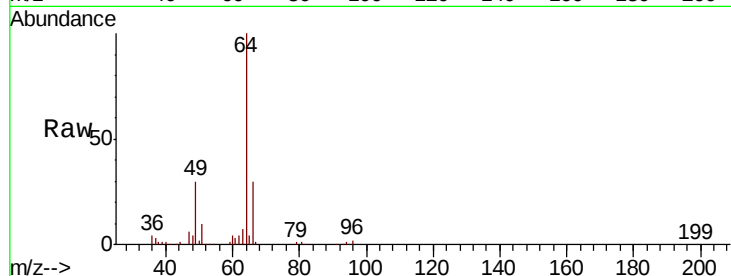
Acq: 31 Aug 2022 12:25

Tot Ion: 64 Resp: 235244

Ion Ratio Lower Upper

64 100

66 30.0 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.502 ppbv

RT: 2.89 min Scan# 88

Delta R.T. 0.01 min

Lab File: VL039605.D

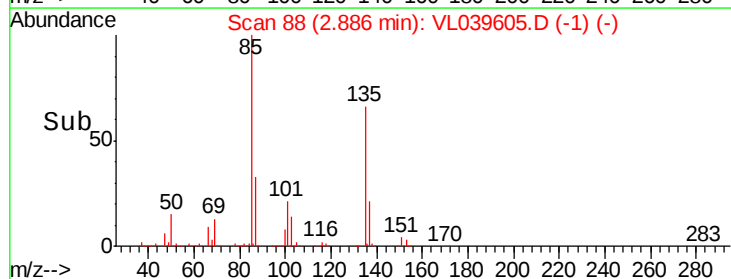
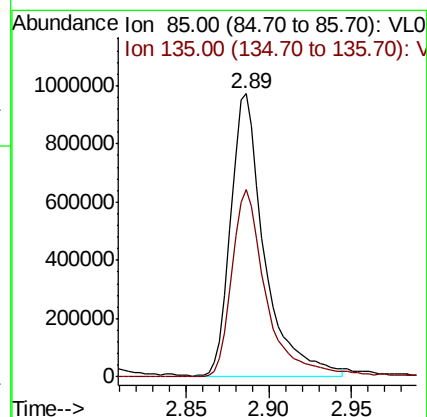
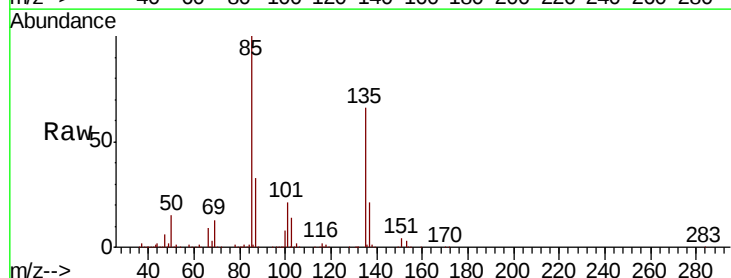
Acq: 31 Aug 2022 12:25

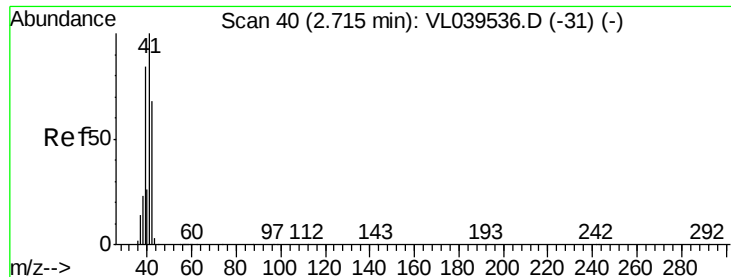
Tgt Ion: 85 Resp: 1368355

Ion Ratio Lower Upper

85 100

135 69.8 59.0 88.4





#9

Propene

Concen: 9.656 ppbv

RT: 2.72 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0831ABS01

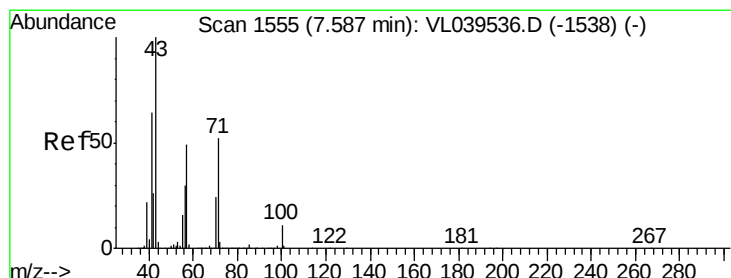
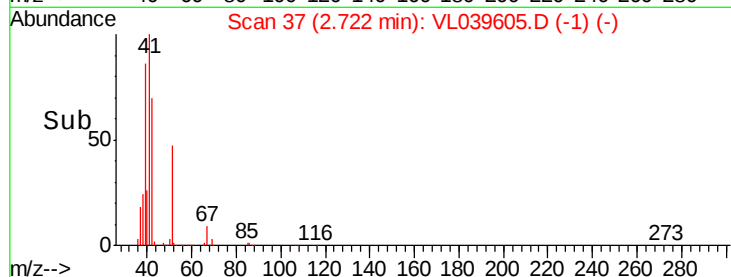
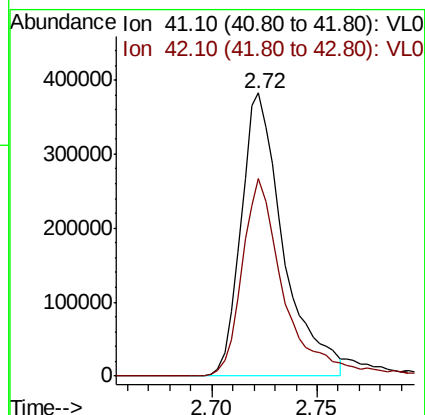
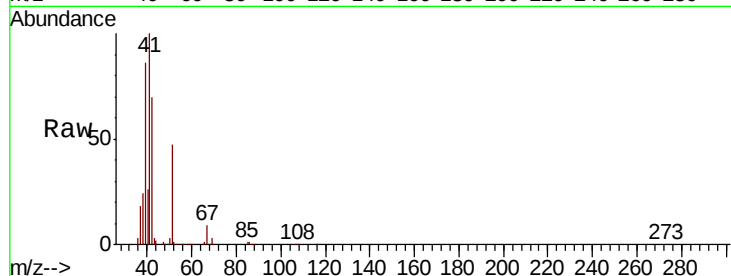
Acq: 31 Aug 2022 12:25

Tot Ion: 41 Resp: 532484

Ion Ratio Lower Upper

41 100

42 70.9 55.2 82.8



#10

Heptane

Concen: 10.888 ppbv

RT: 7.60 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VL039605.D

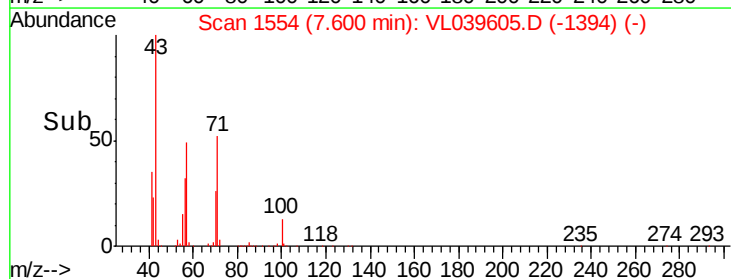
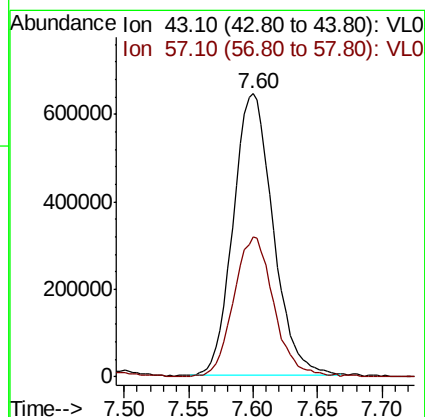
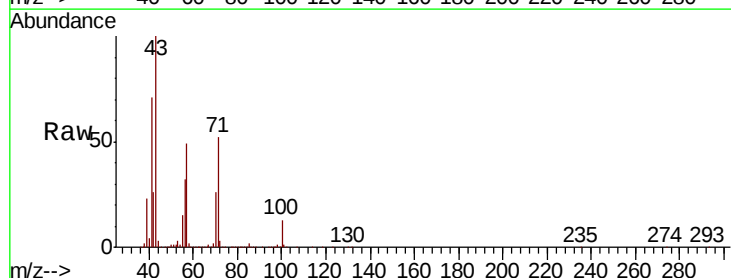
Acq: 31 Aug 2022 12:25

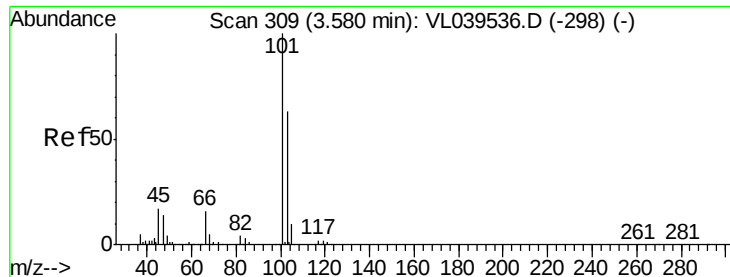
Tgt Ion: 43 Resp: 1390435

Ion Ratio Lower Upper

43 100

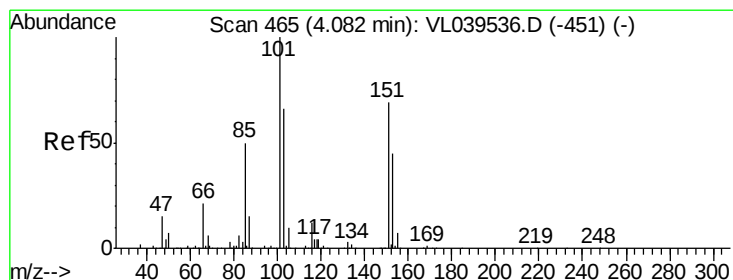
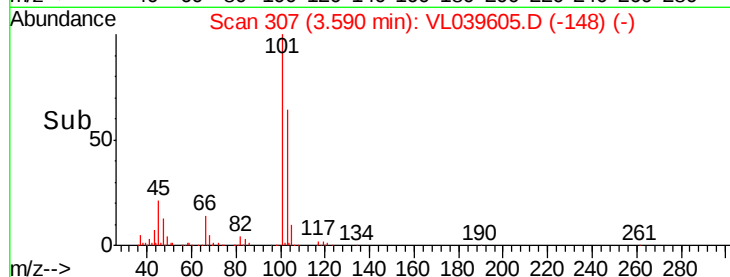
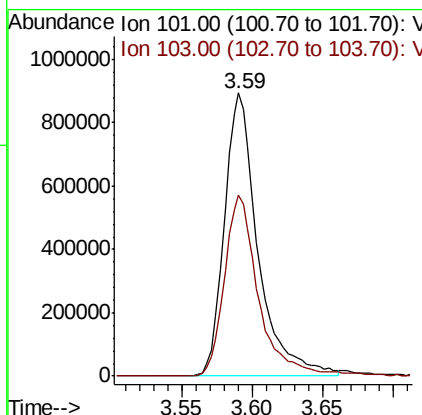
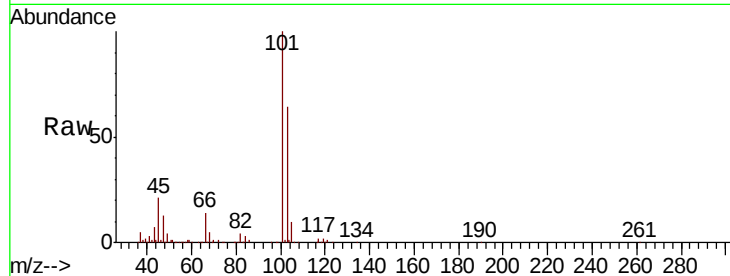
57 50.4 40.5 60.7





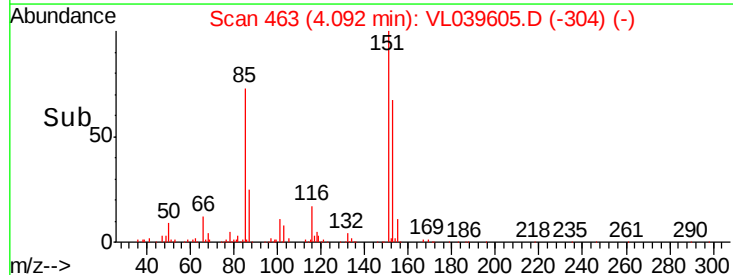
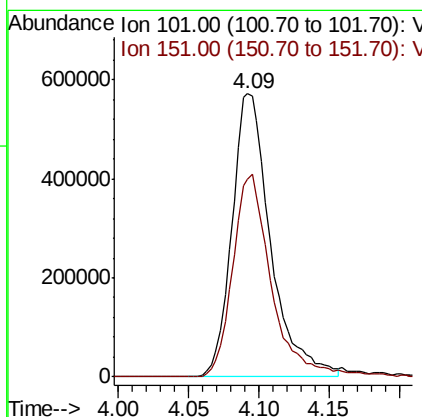
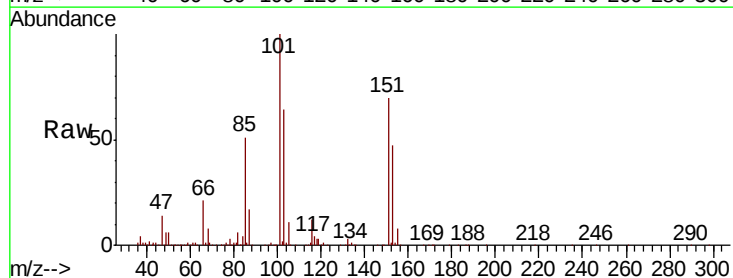
#11
 Trichlorofluoromethane
 Concen: 10.050 ppbv
 RT: 3.59
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0831ABS01
 Acq: 31 Aug 2022 12:25

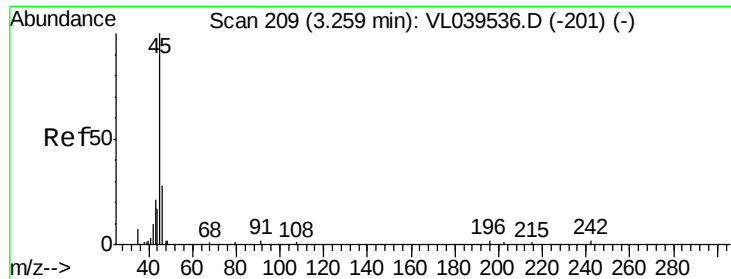
Tot Ion:101 Resp: 1484748
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.042 ppbv
 RT: 4.09 min Scan# 463
 Delta R.T. 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

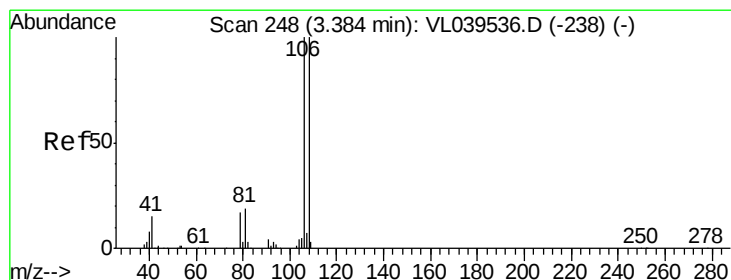
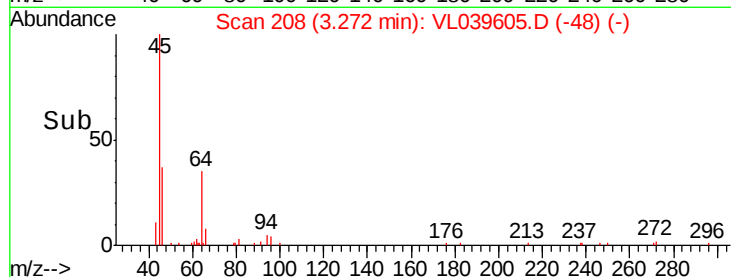
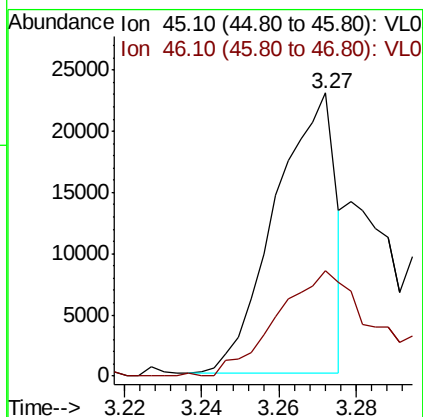
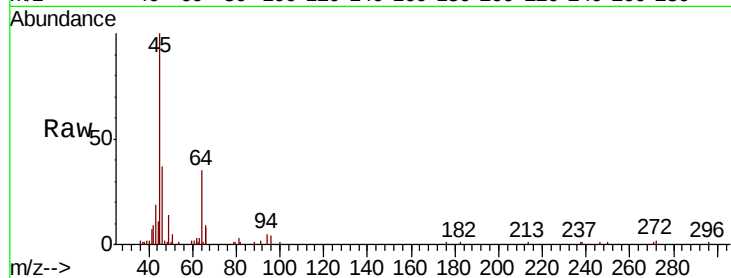
Tgt Ion:101 Resp: 1097334
 Ion Ratio Lower Upper
 101 100
 151 72.5 58.9 88.3





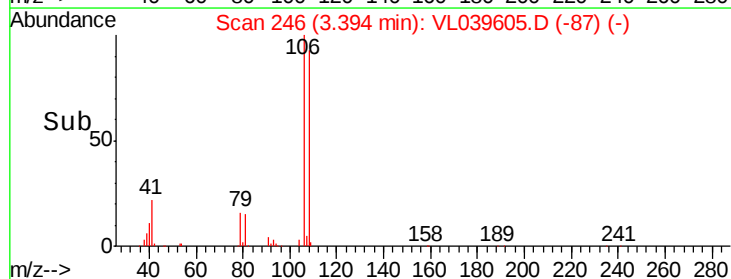
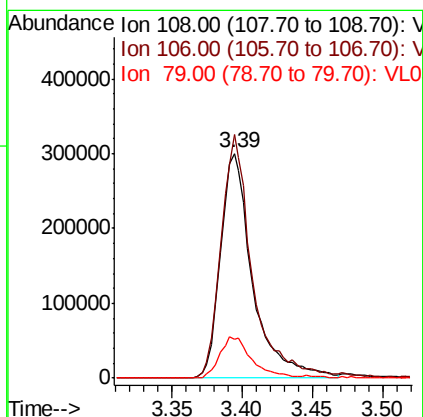
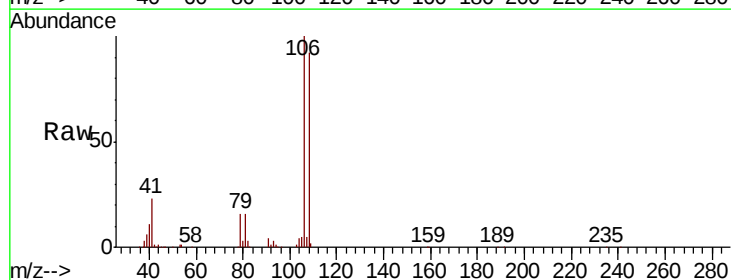
#13
 Ethanol
 Concen: 6.263 ppbv
 RT: 3.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0831ABS01
 Acq: 31 Aug 2022 12:25

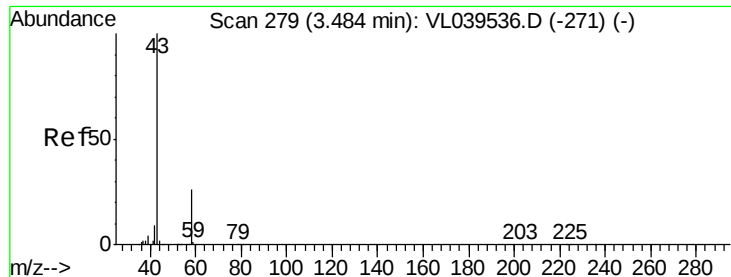
Tot Ion: 45 Resp: 24820
 Ion Ratio Lower Upper
 45 100
 46 77.6 22.8 91.2



#14
 Bromoethene
 Concen: 10.677 ppbv
 RT: 3.39 min Scan# 246
 Delta R.T. 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion: 108 Resp: 476705
 Ion Ratio Lower Upper
 108 100
 106 107.5 87.1 130.7
 79 19.7 14.6 22.0





#15

Acetone

Concen: 9.947 ppbv

RT: 3.49 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0831ABS01

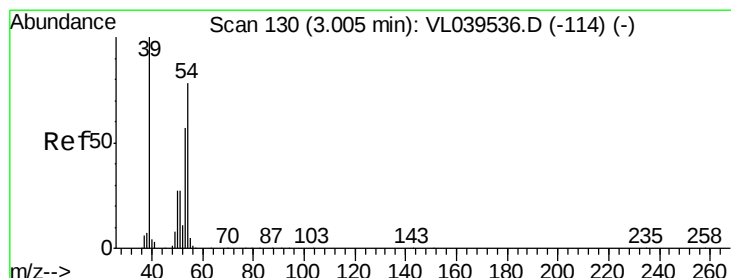
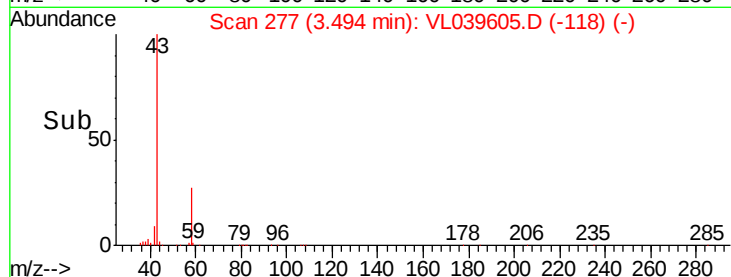
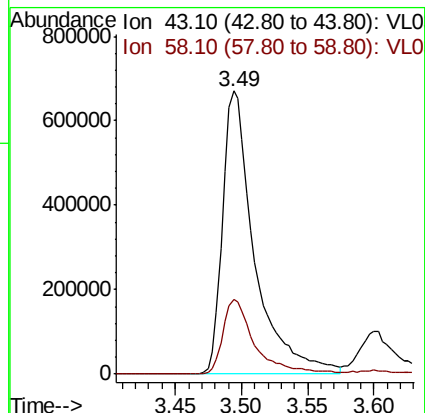
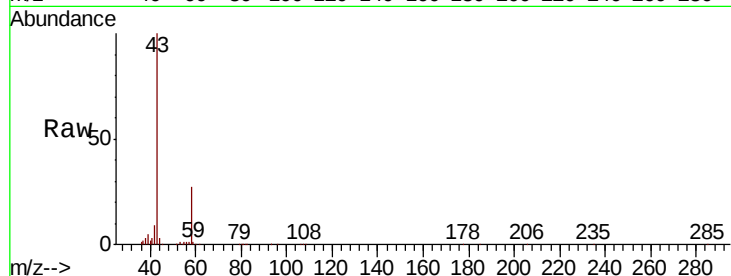
Acq: 31 Aug 2022 12:25

Tot Ion: 43 Resp: 1127077

Ion Ratio Lower Upper

43 100

58 26.6 21.0 31.6



#16

1,3-Butadiene

Concen: 10.272 ppbv

RT: 3.01 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL039605.D

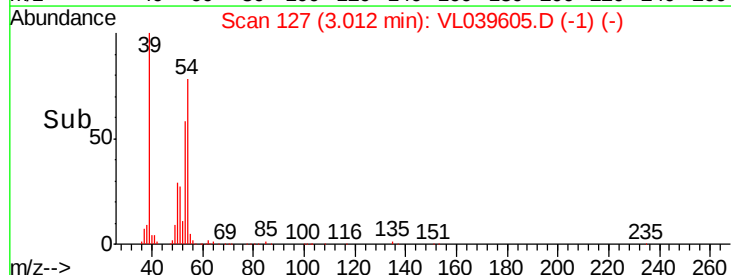
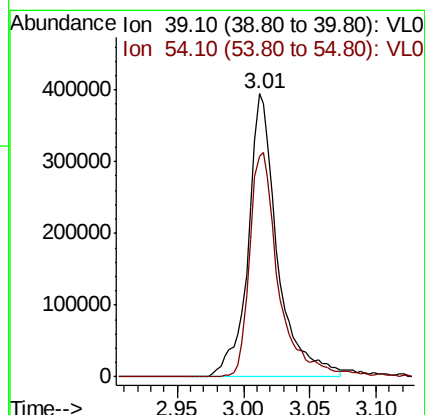
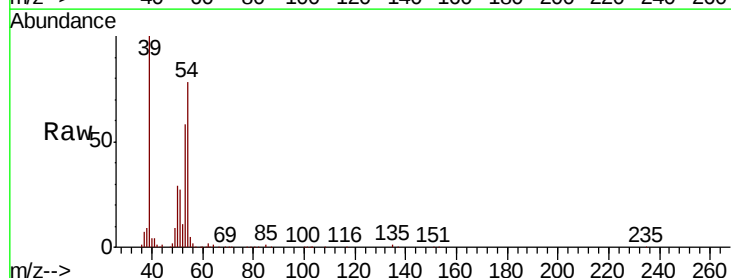
Acq: 31 Aug 2022 12:25

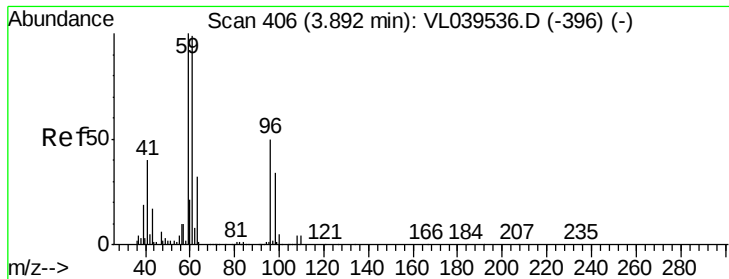
Tgt Ion: 39 Resp: 607356

Ion Ratio Lower Upper

39 100

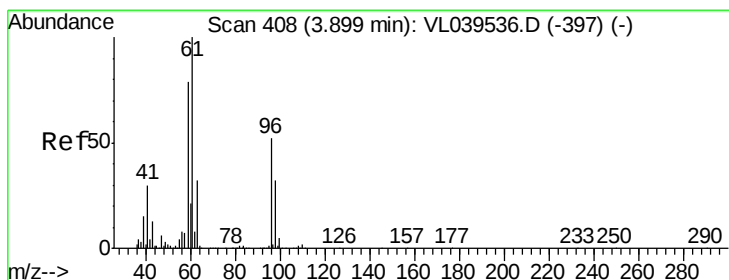
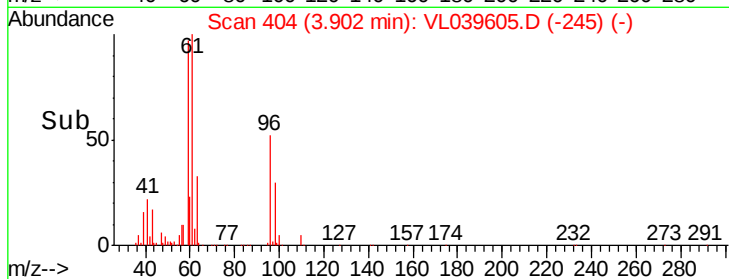
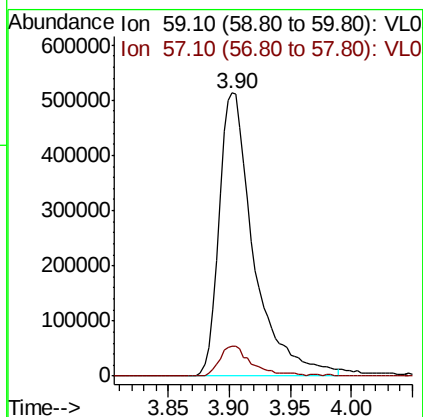
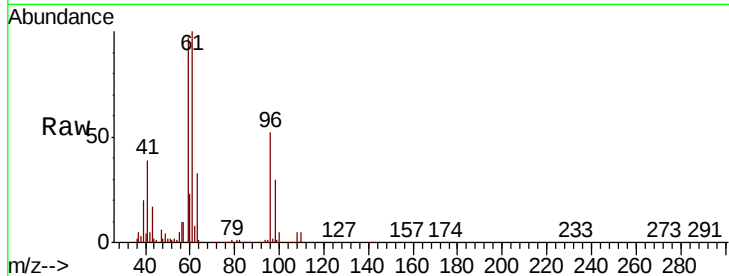
54 79.7 63.7 95.5





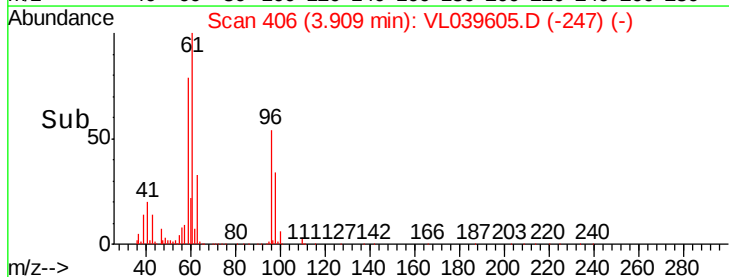
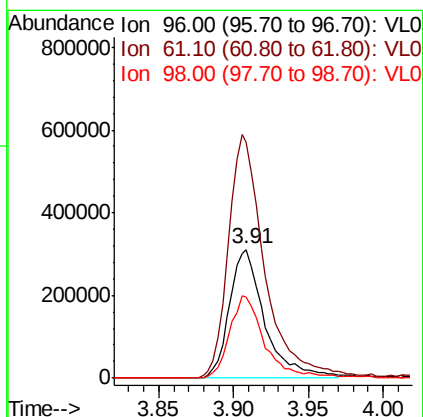
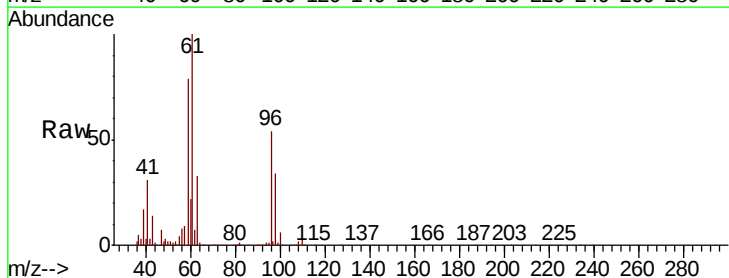
#17
 tert-Butyl alcohol
 Concen: 10.604 ppbv
 RT: 3.90 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0831ABS01
 Acq: 31 Aug 2022 12:25

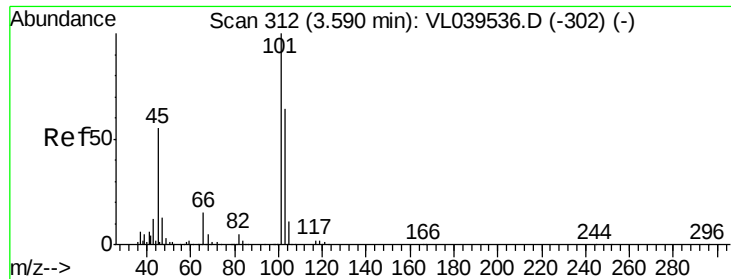
Tot Ion: 59 Resp: 1025492
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.7 13.1



#18
 1,1-Dichloroethene
 Concen: 10.349 ppbv
 RT: 3.91 min Scan# 406
 Delta R.T.: 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion: 96 Resp: 509331
 Ion Ratio Lower Upper
 96 100
 61 183.8 152.2 228.4
 98 62.8 51.8 77.6





#19

Isopropyl Alcohol

Concen: 11.126 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

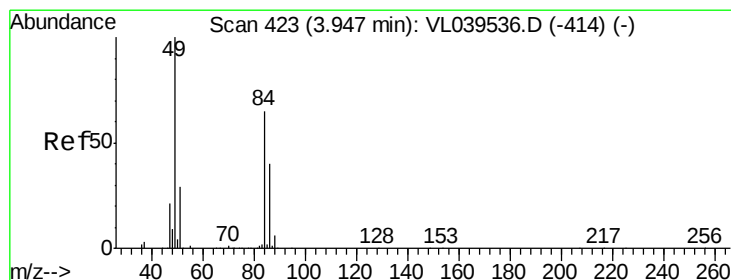
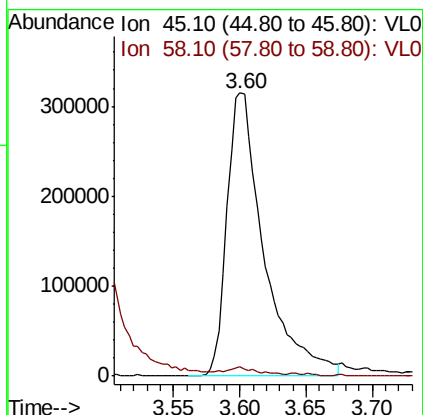
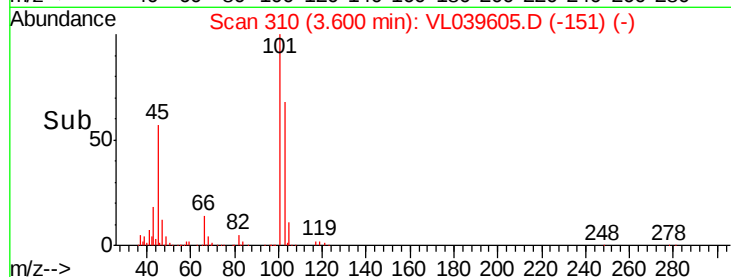
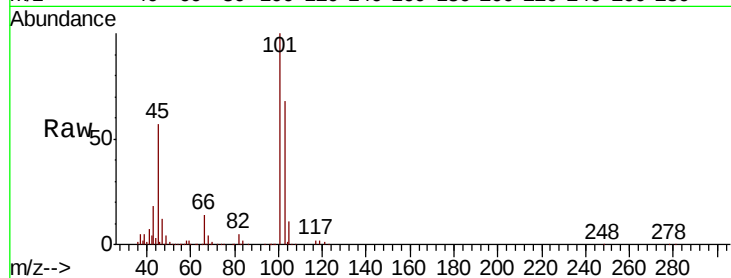
Acq: 31 Aug 2022 12:25

Tot Ion: 45 Resp: 613262

Ion Ratio Lower Upper

45 100

58 3.7 3.2 4.8



#20

Methylene Chloride

Concen: 9.194 ppbv

RT: 3.96 min Scan# 422

Delta R.T. 0.01 min

Lab File: VL039605.D

Acq: 31 Aug 2022 12:25

Tgt Ion: 84 Resp: 423223

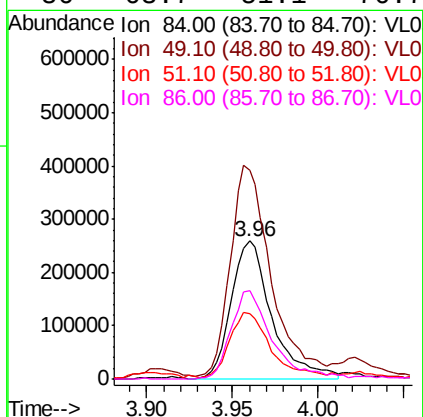
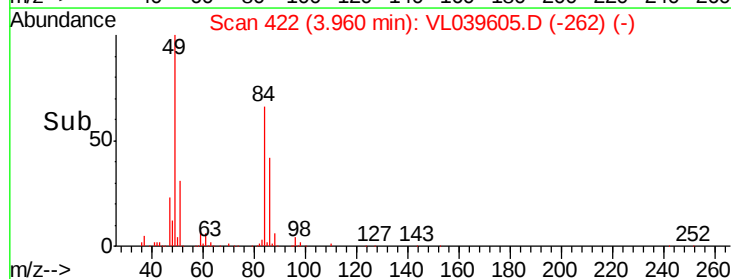
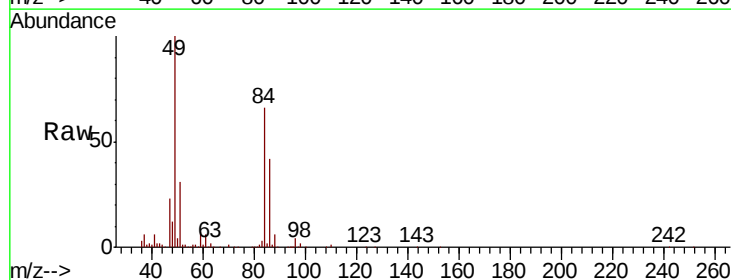
Ion Ratio Lower Upper

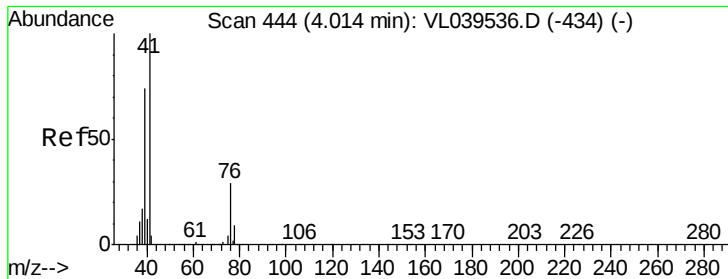
84 100

49 148.4 123.1 184.7

51 44.8 34.4 51.6

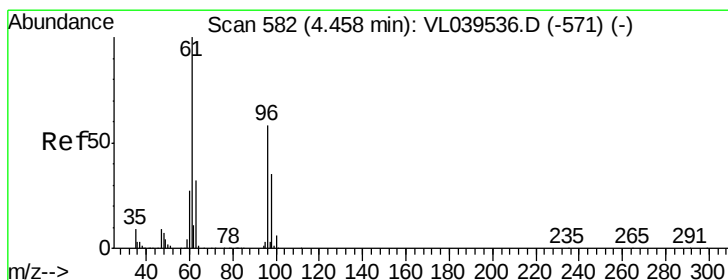
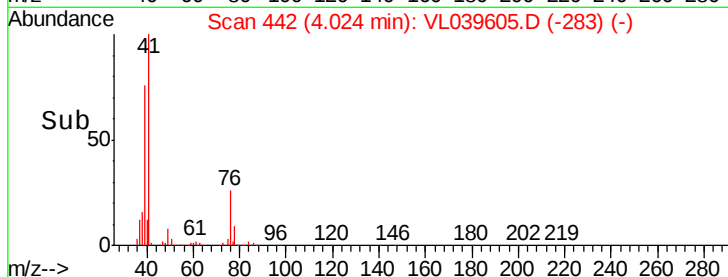
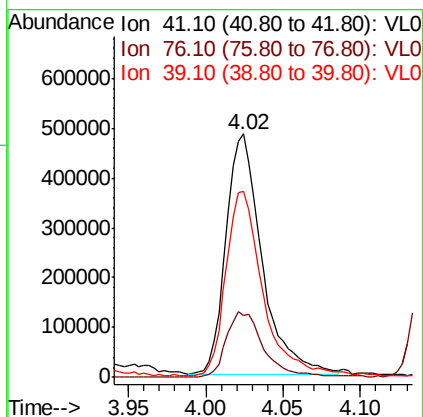
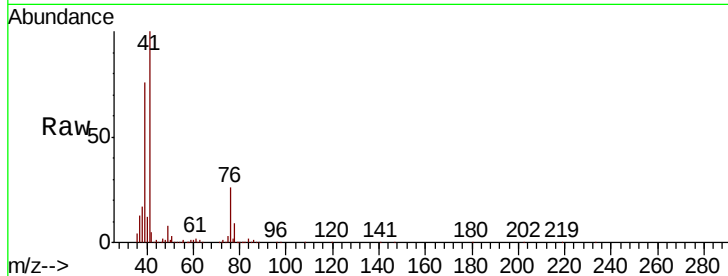
86 63.7 51.1 76.7





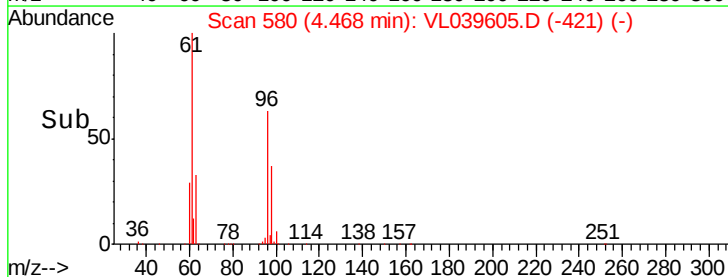
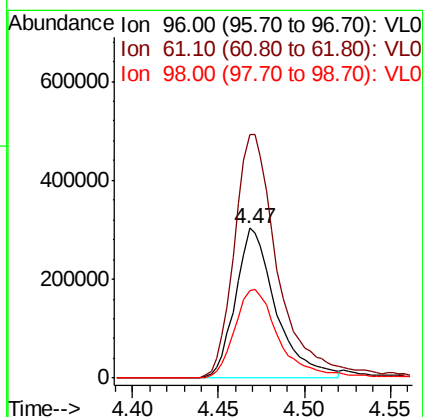
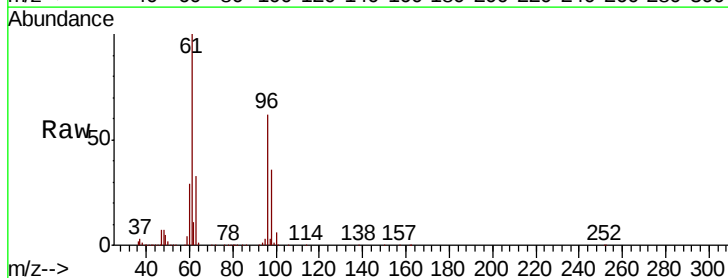
#21
 Allvl Chloride
 Concen: 10.641 ppbv
 RT: 4.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0831ABS01
 Acq: 31 Aug 2022 12:25

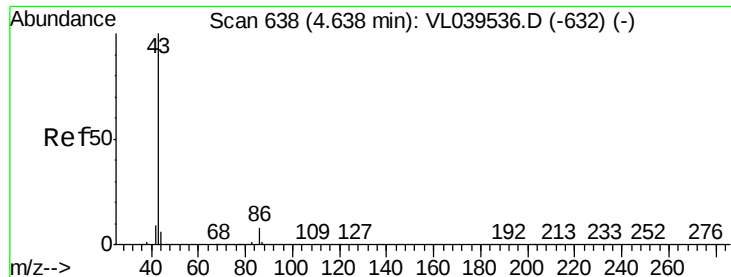
Tot Ion	Ratio	Lower	Upper
41	100		
76	28.5	24.4	36.6
39	78.8	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 10.140 ppbv
 RT: 4.47 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.1	130.6	195.8
98	58.6	53.4	80.0





#23

Vinyl Acetate

Concen: 10.516 ppbv

RT: 4.65 Instrument: MSVOA_1

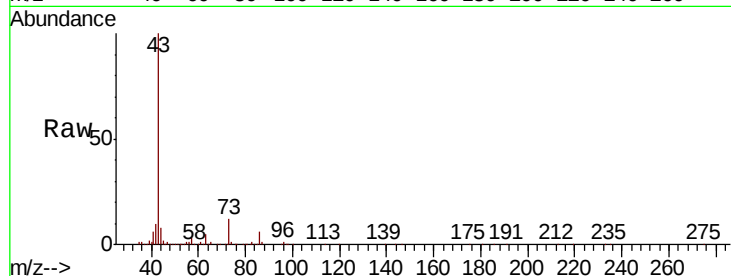
Delta R.T. ClientSampleId:

Lab File: VL0831ABS01

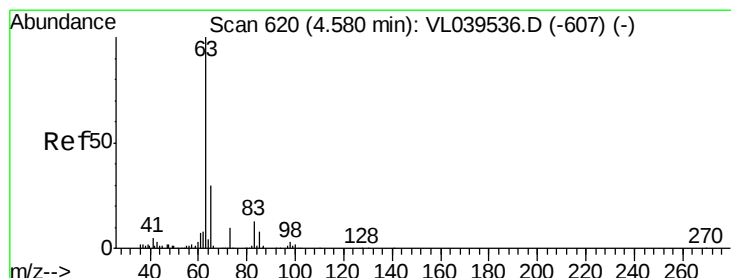
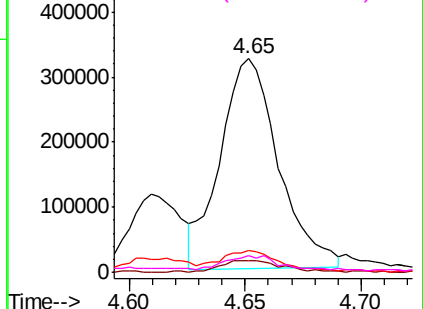
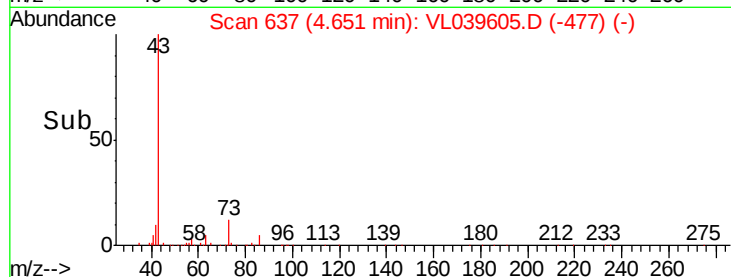
Acq: 31 Aug 2022 12:25

Tot Ion: 43 Resp: 566604

Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.0	7.6
42	10.2	7.7	11.5
44	7.0	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: 10.371 ppbv

RT: 4.59 min Scan# 618

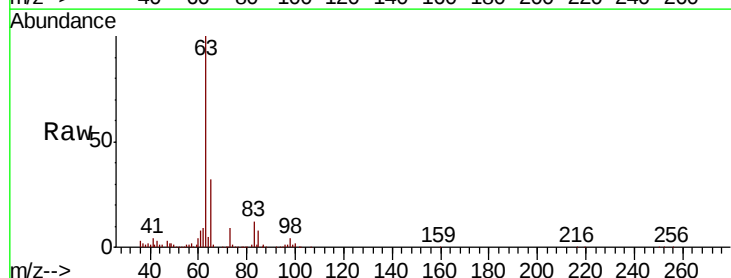
Delta R.T. 0.01 min

Lab File: VL039605.D

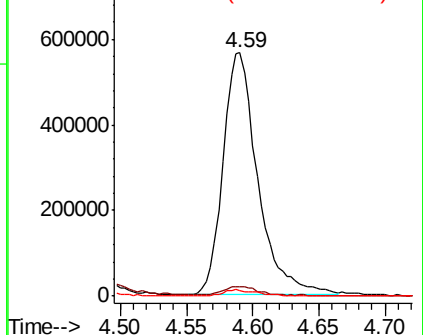
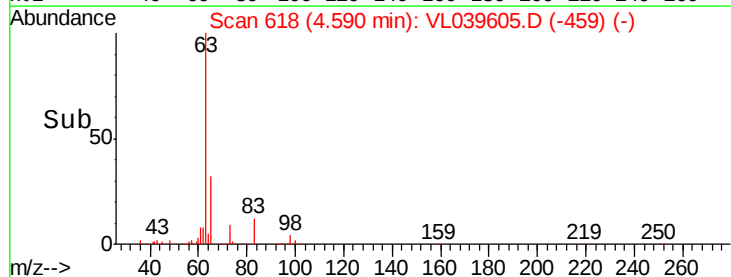
Acq: 31 Aug 2022 12:25

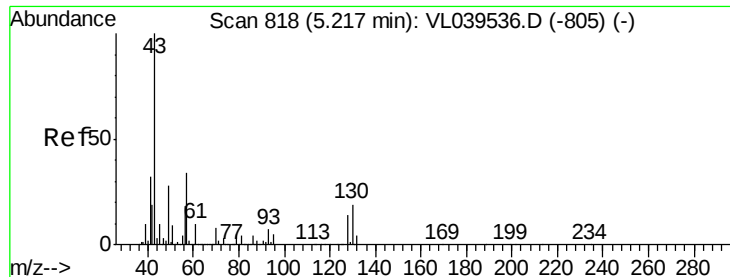
Tgt Ion: 63 Resp: 1034286

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.3
100	2.1	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

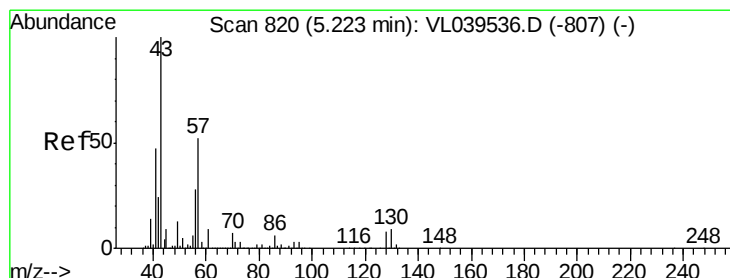
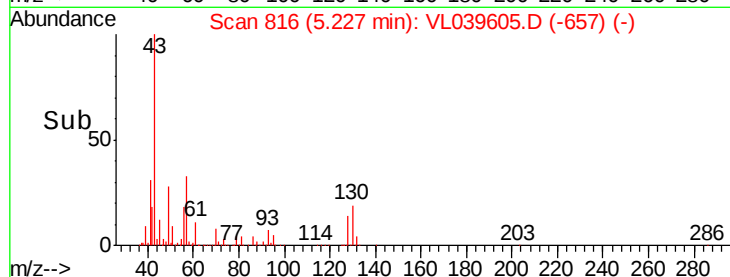
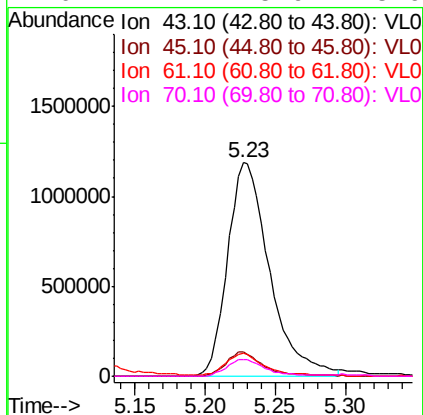
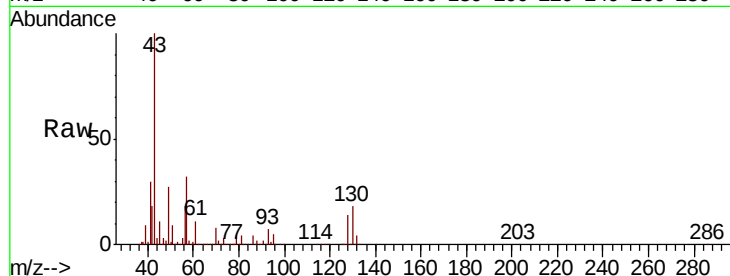




#25
Ethyl Acetate
Concen: 10.194 ppbv
RT: 5.23 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: VL0831ABS01
Client Sample ID: VL0831ABS01
Acq: 31 Aug 2022 12:25

Tot Ion: 43 Resp: 2471427

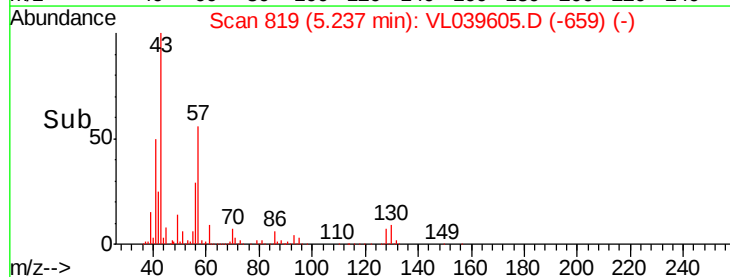
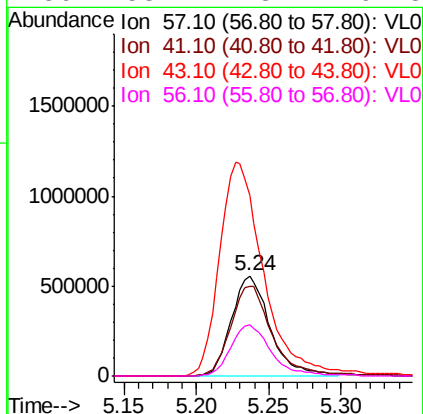
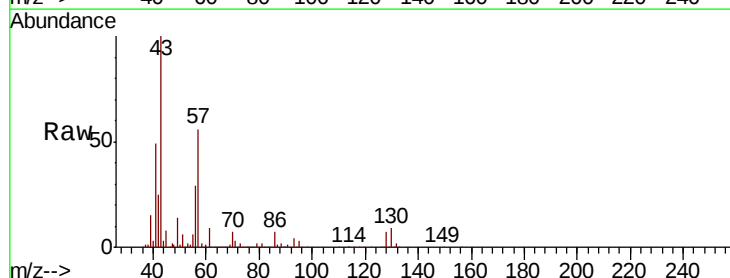
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	9.8	8.3	12.5
70	7.2	5.9	8.9

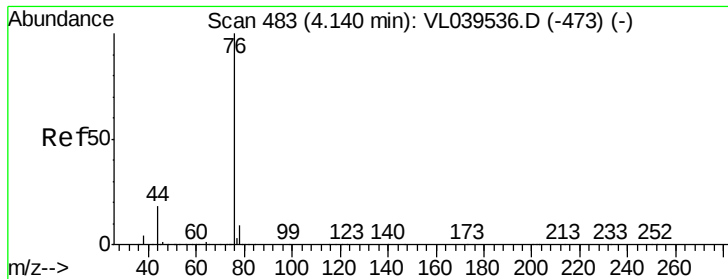


#26
Hexane
Concen: 10.448 ppbv
RT: 5.24 min Scan# 819
Delta R.T.: 0.01 min
Lab File: VL039605.D
Acq: 31 Aug 2022 12:25

Tgt Ion: 57 Resp: 1033896

Ion	Ratio	Lower	Upper
57	100		
41	96.9	76.9	115.3
43	245.7	191.0	286.6
56	53.7	43.2	64.8





#27

Carbon Disulfide

Concen: 11.612 ppbv

RT: 4.15 Instrument: MSVOA_1

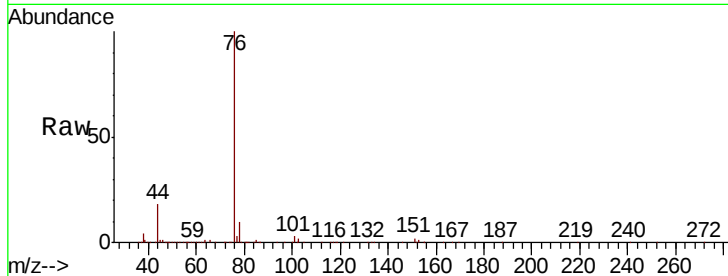
Delta R.T. 0.01 min

Lab File: ClientSampleId: VL0831ABS01

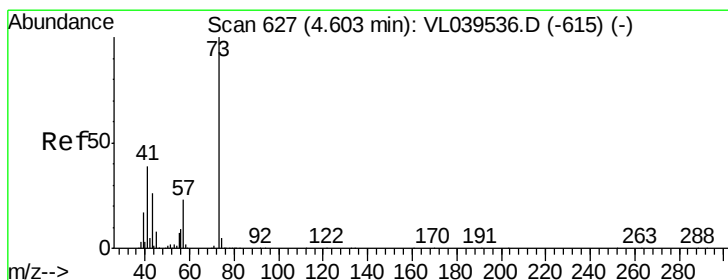
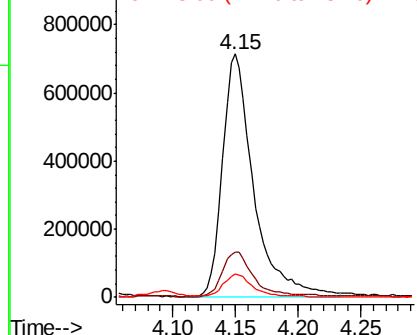
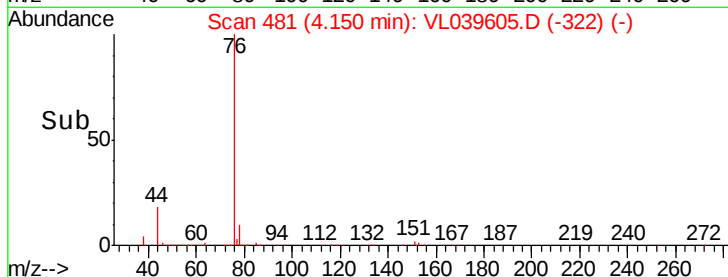
Acq: 31 Aug 2022 12:25

Tot Ion: 76 Resp: 1227482

Ion	Ratio	Lower	Upper
76	100		
44	19.1	14.6	21.8
78	9.7	7.8	11.6



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



#28

Methyl tert-Butyl Ether

Concen: 9.894 ppbv

RT: 4.61 min Scan# 625

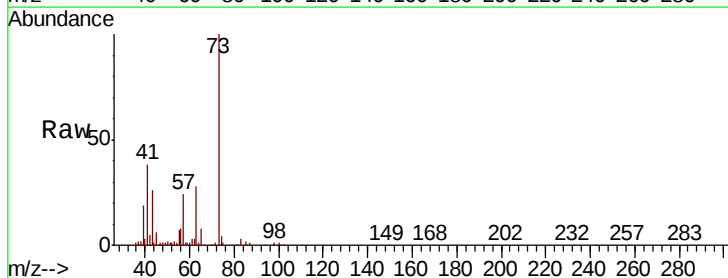
Delta R.T. 0.01 min

Lab File: VL039605.D

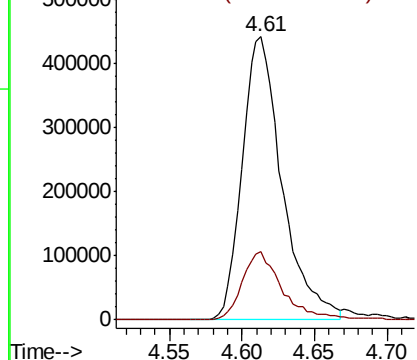
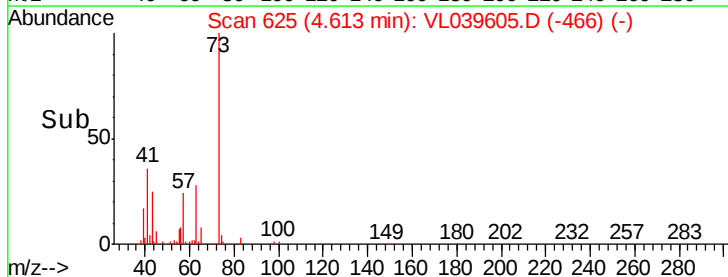
Acq: 31 Aug 2022 12:25

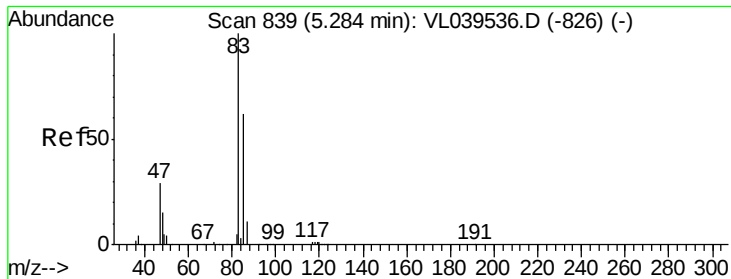
Tgt Ion: 73 Resp: 844635

Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.8	29.8



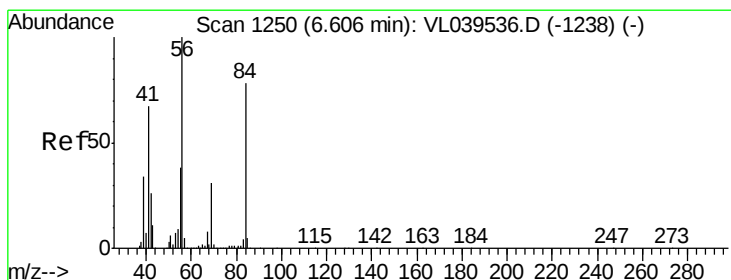
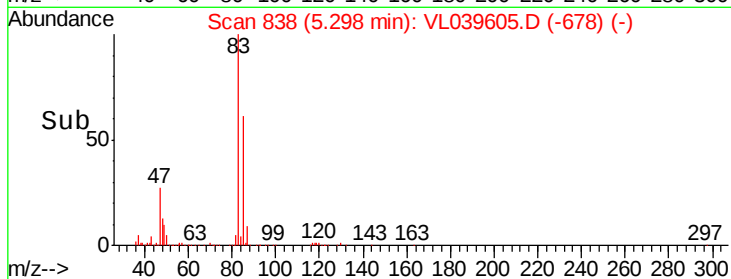
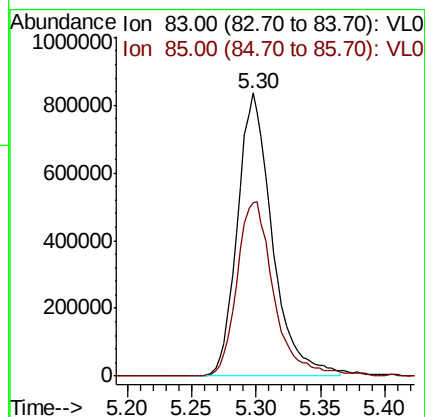
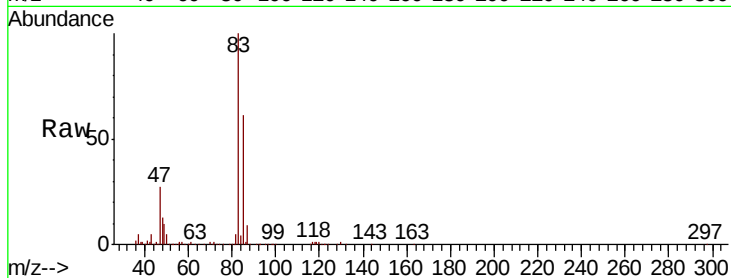
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





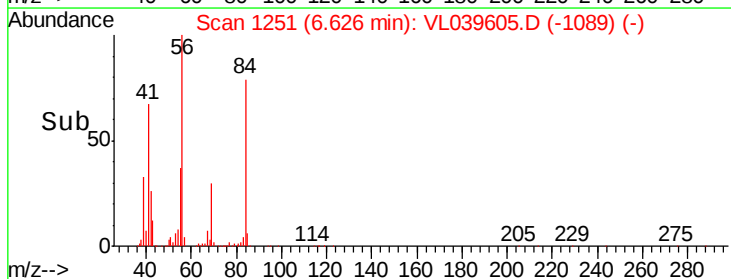
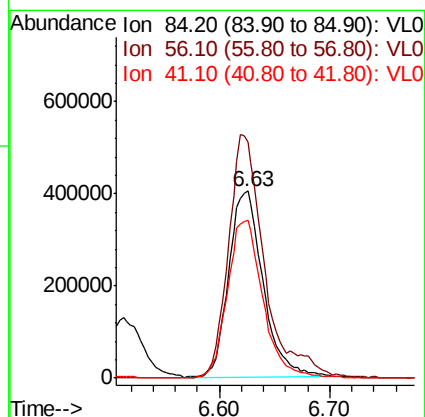
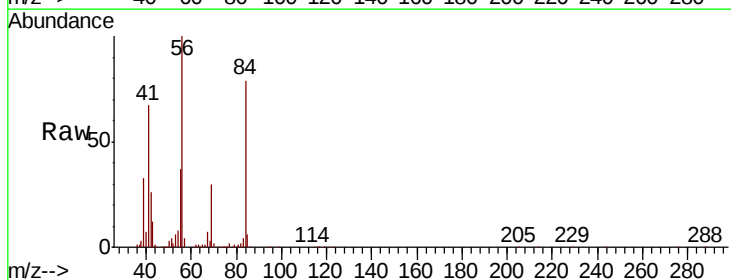
#29
Chloroform
Concen: 10.167 ppbv
RT: 5.30
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0831ABS01
Acq: 31 Aug 2022 12:25

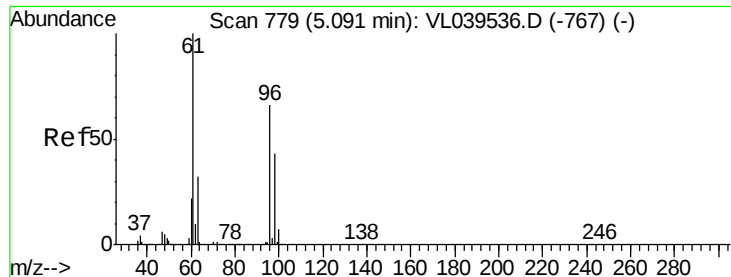
Tot Ion: 83 Resp: 1573415
Ion Ratio Lower Upper
83 100
85 60.8 52.8 79.2



#30
Cyclohexane
Concen: 10.680 ppbv
RT: 6.63 min Scan# 1251
Delta R.T. 0.02 min
Lab File: VL039605.D
Acq: 31 Aug 2022 12:25

Tgt Ion: 84 Resp: 875153
Ion Ratio Lower Upper
84 100
56 137.6 107.7 161.5
41 87.9 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 10.460 ppbv

RT: 5.10 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VL0831ABS01

Acq: 31 Aug 2022 12:25

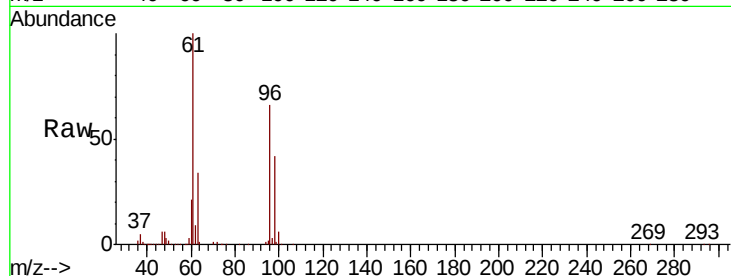
Tot Ion: 61 Resp: 1002615

Ion Ratio Lower Upper

61 100

96 65.5 54.1 81.1

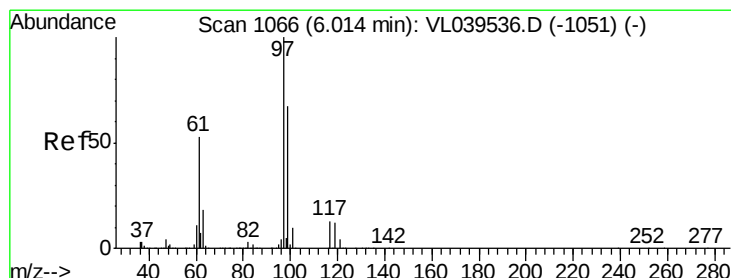
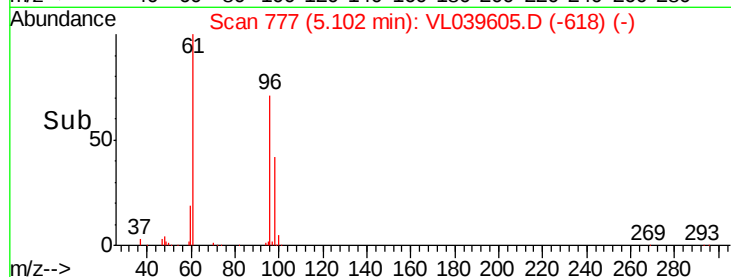
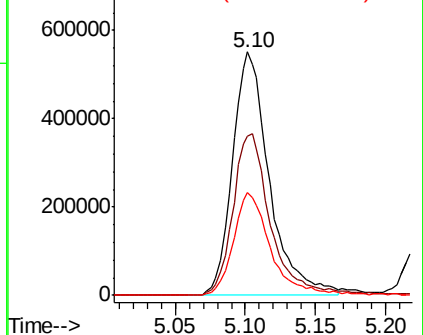
98 42.1 34.6 52.0



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: 11.054 ppbv

RT: 6.03 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VL039605.D

Acq: 31 Aug 2022 12:25

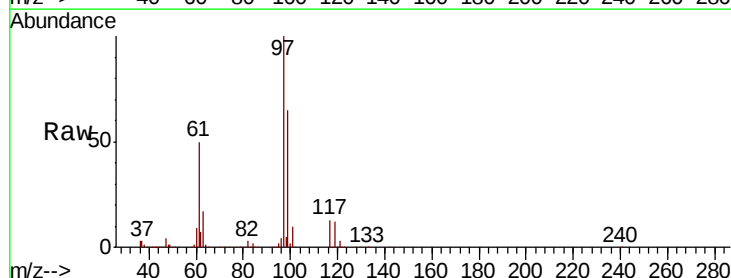
Tgt Ion: 97 Resp: 1505042

Ion Ratio Lower Upper

97 100

99 65.7 52.3 78.5

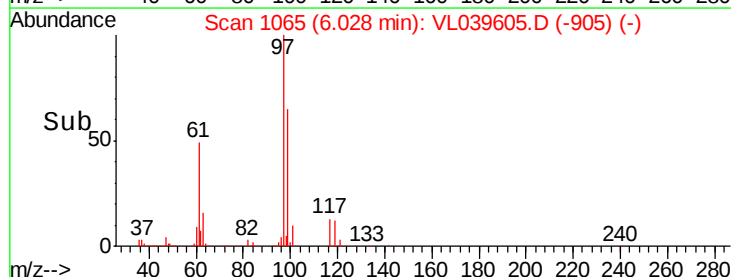
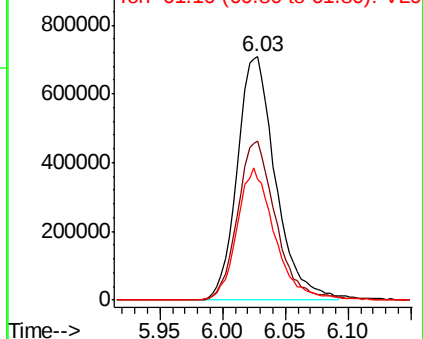
61 53.4 40.9 61.3

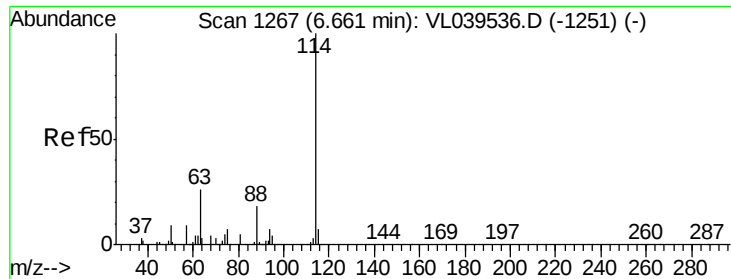


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

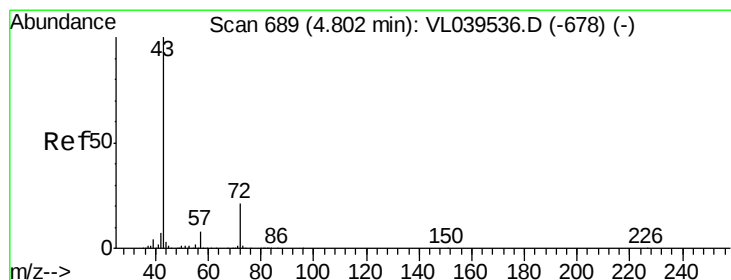
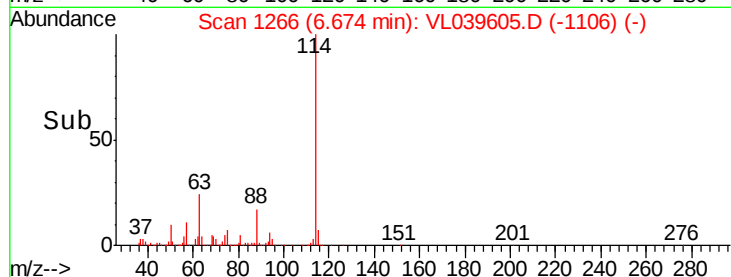
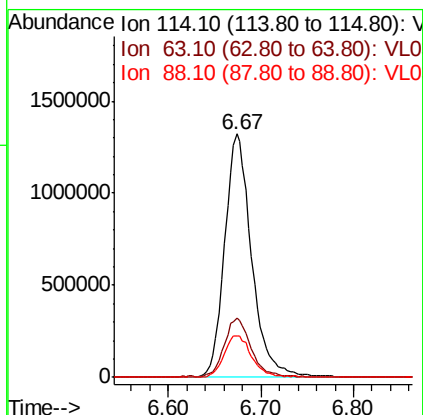
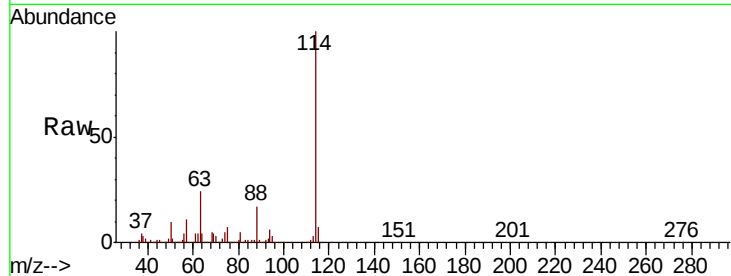
Ion 61.10 (60.80 to 61.80): VL0





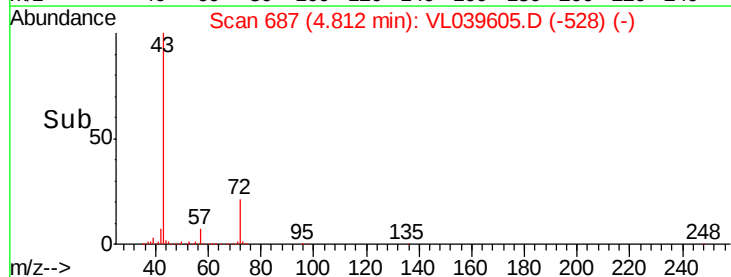
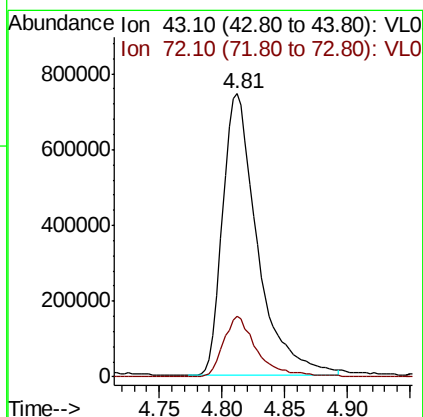
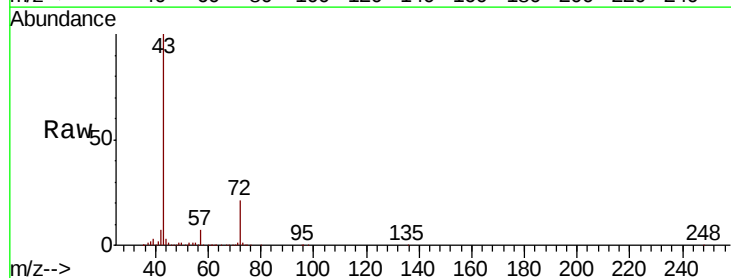
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0831ABS01
 Acq: 31 Aug 2022 12:25

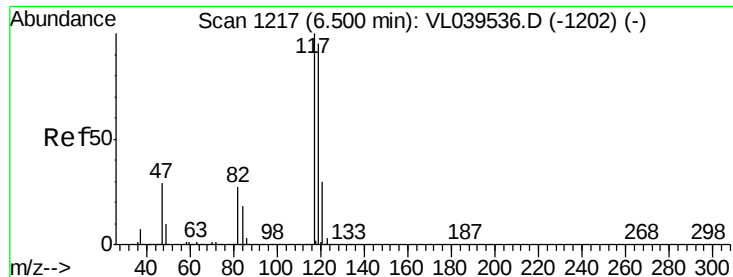
Tot Ion:114 Resp: 2667057
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.2 30.4
 88 17.6 14.5 21.7



#34
 2-Butanone
 Concen: 10.855 ppbv
 RT: 4.81 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion: 43 Resp: 1439311
 Ion Ratio Lower Upper
 43 100
 72 20.8 17.9 26.9

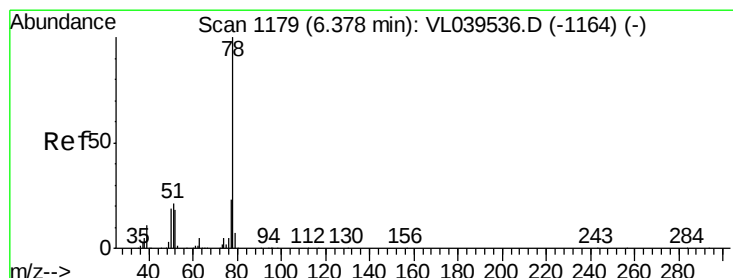
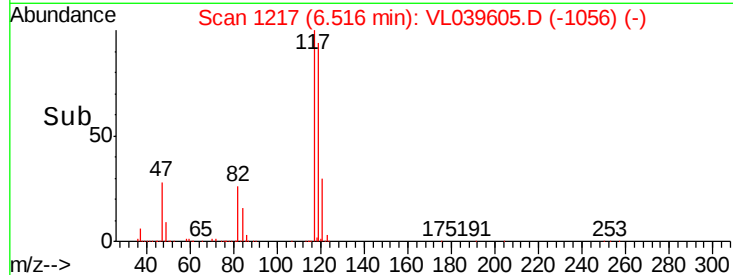
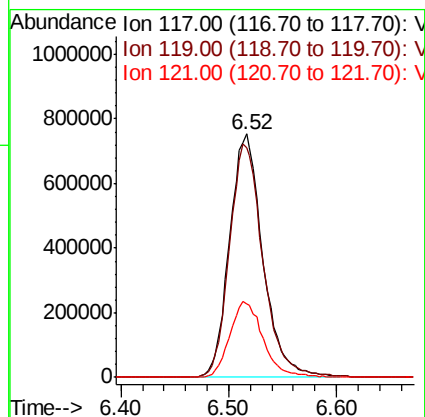
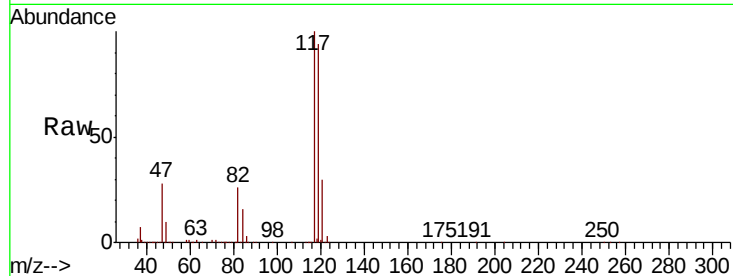




#35
Carbon Tetrachloride
Concen: 11.251 ppbv
RT: 6.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0831ABS01
Acq: 31 Aug 2022 12:25

Tot Ion:117 Resp: 1622011

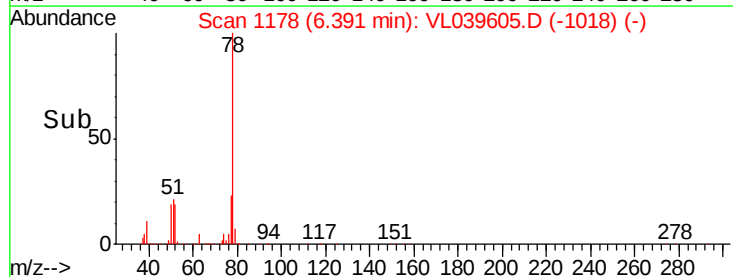
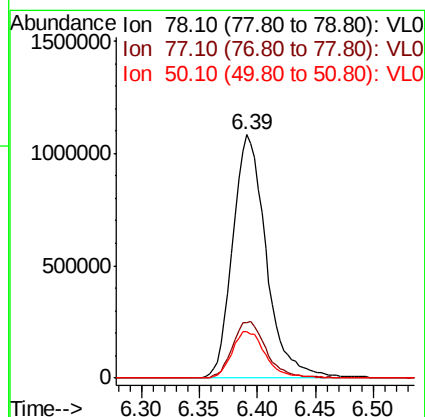
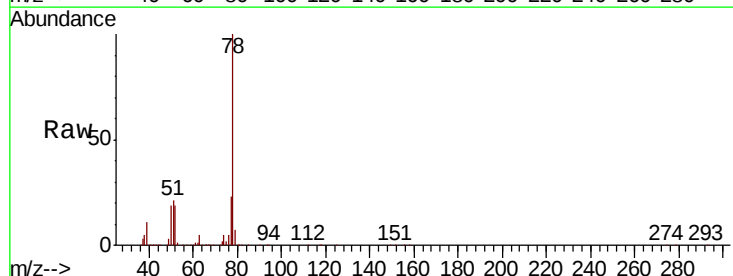
Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.4	113.2
121	30.0	24.2	36.2

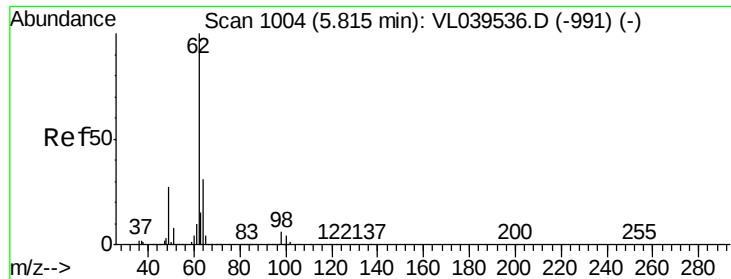


#36
Benzene
Concen: 10.667 ppbv
RT: 6.39 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VL039605.D
Acq: 31 Aug 2022 12:25

Tgt Ion: 78 Resp: 2168681

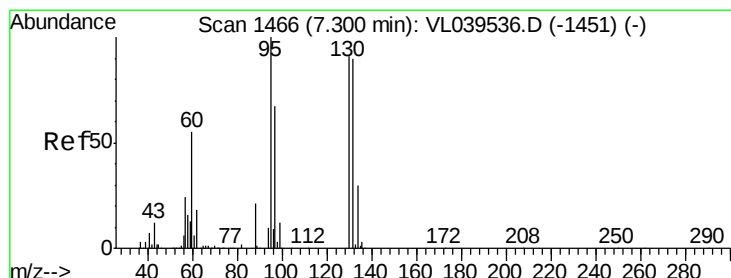
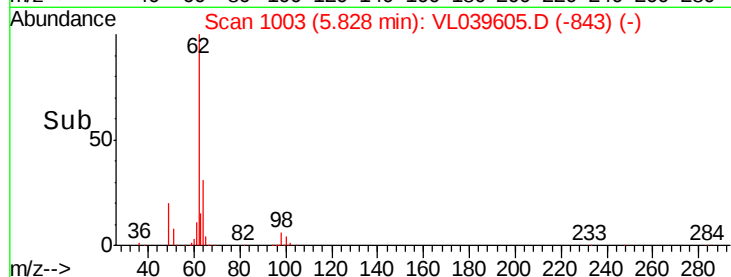
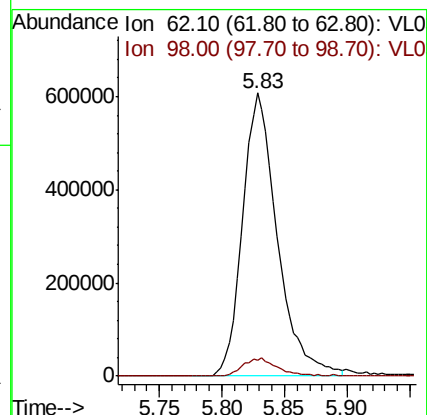
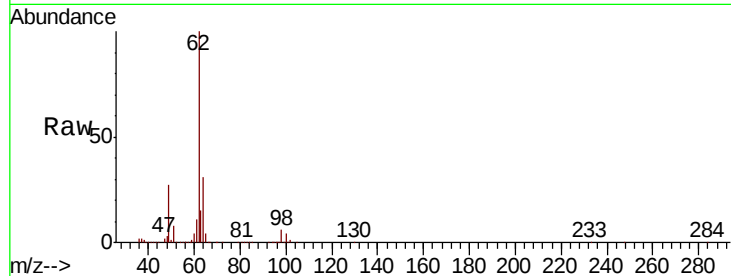
Ion	Ratio	Lower	Upper
78	100		
77	22.9	20.3	30.5
50	19.0	15.5	23.3





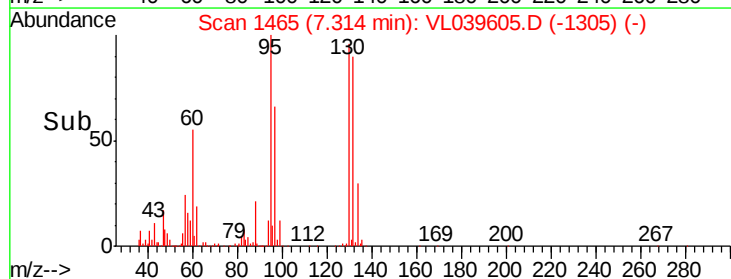
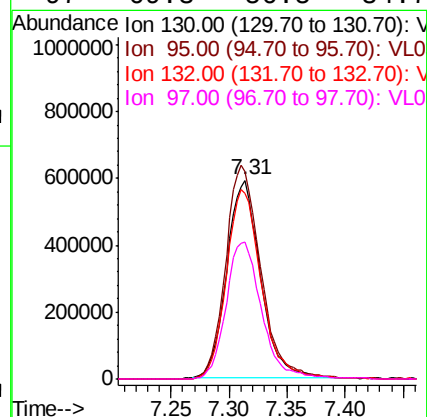
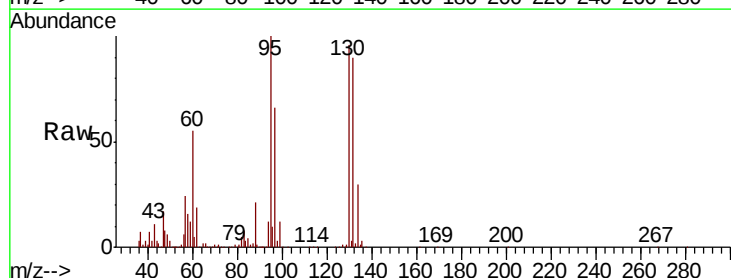
#37
 1,2-Dichloroethane
 Concen: 10.479 ppbv
 RT: 5.83
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0831ABS01
 Acq: 31 Aug 2022 12:25

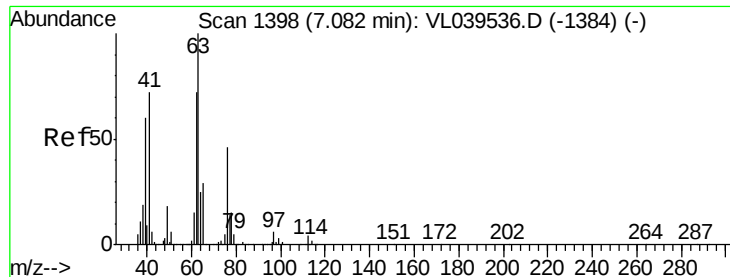
Tot Ion: 62 Resp: 1173501
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.1 7.7



#38
 Trichloroethene
 Concen: 10.979 ppbv
 RT: 7.31 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion:130 Resp: 1195965
 Ion Ratio Lower Upper
 130 100
 95 104.6 87.3 130.9
 132 93.9 76.7 115.1
 97 69.3 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.628 ppbv

RT: 7.10 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VL0831ABS01

Acq: 31 Aug 2022 12:25

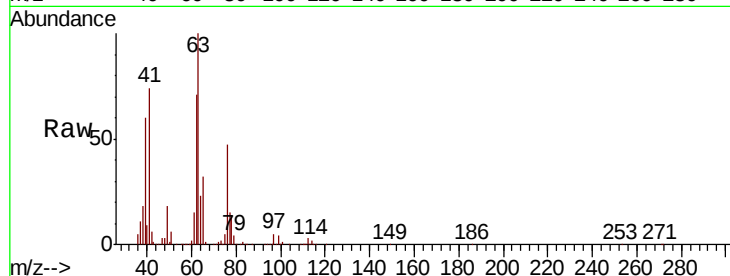
Tot Ion: 63 Resp: 812379

Ion Ratio Lower Upper

63 100

41 73.9 59.6 89.4

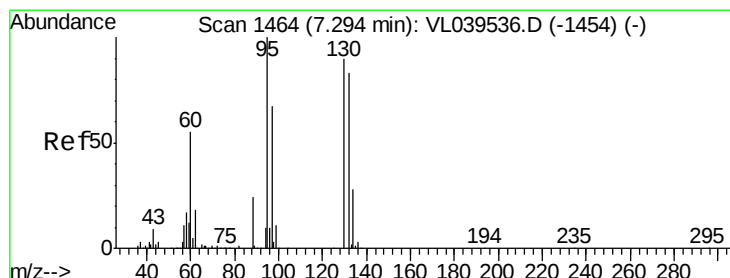
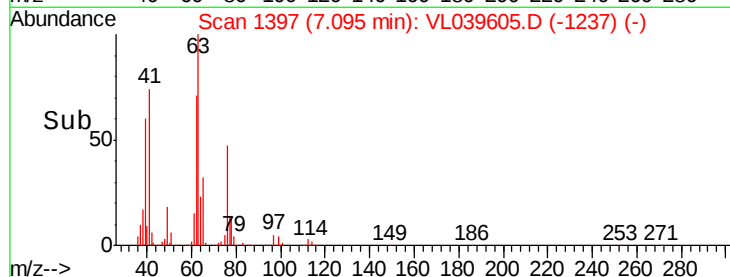
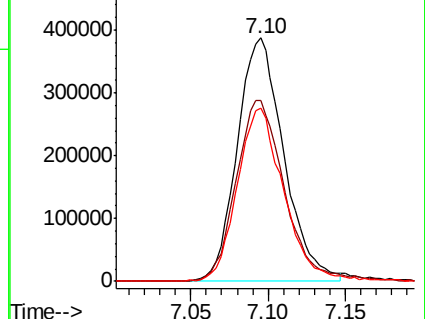
62 70.5 51.4 77.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.227 ppbv

RT: 7.31 min Scan# 1463

Delta R.T. 0.01 min

Lab File: VL039605.D

Acq: 31 Aug 2022 12:25

Tgt Ion: 88 Resp: 335989

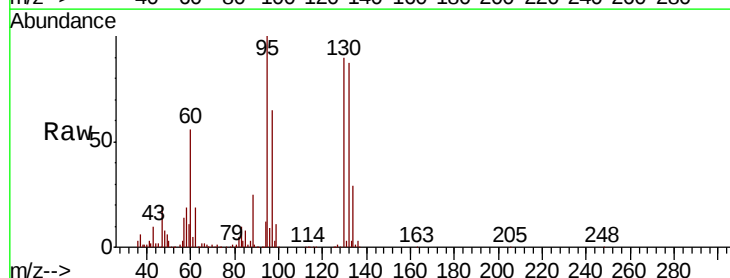
Ion Ratio Lower Upper

88 100

58 123.4 100.2 150.4

43 254.5 205.8 308.6

57 1088.3 879.1 1318.7

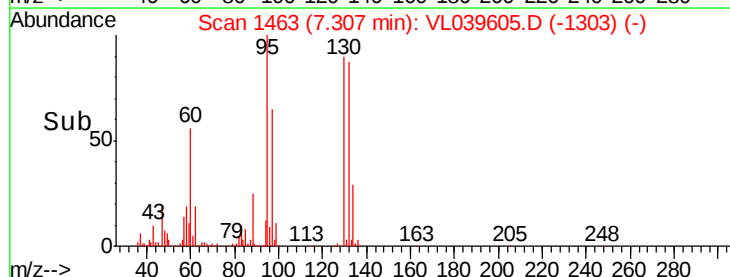
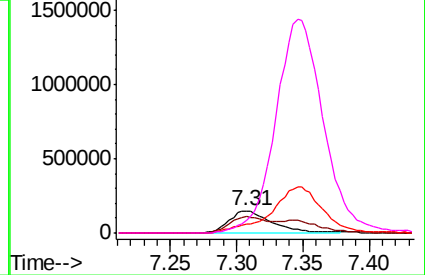


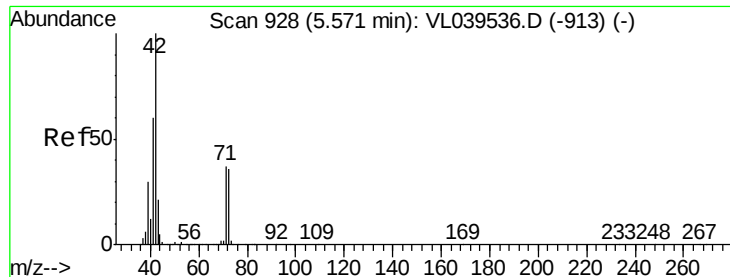
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.137 ppbv

RT: 5.58 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VL0831ABS01

Acq: 31 Aug 2022 12:25

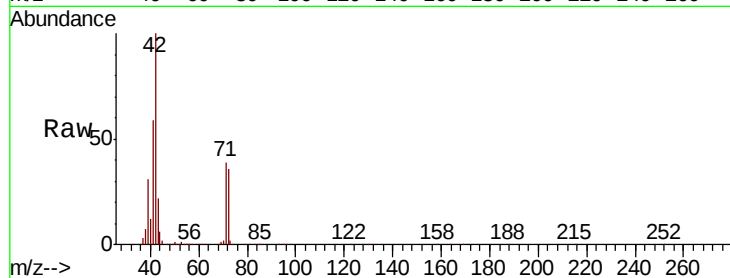
Tot Ion: 42 Resp: 882133

Ion Ratio Lower Upper

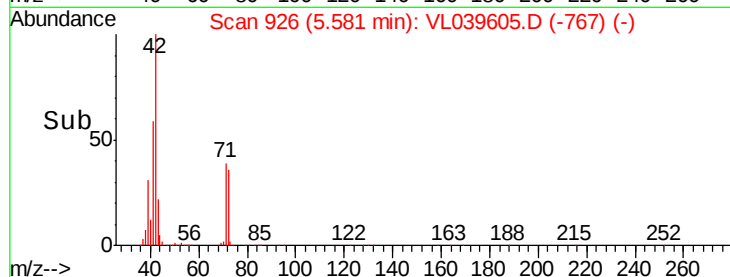
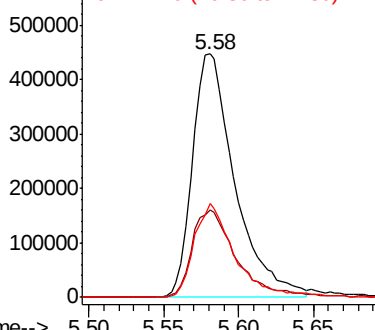
42 100

72 38.0 31.8 47.8

71 37.7 31.8 47.8



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.026 ppbv

RT: 7.27 min Scan# 1451

Delta R.T. 0.01 min

Lab File: VL039605.D

Acq: 31 Aug 2022 12:25

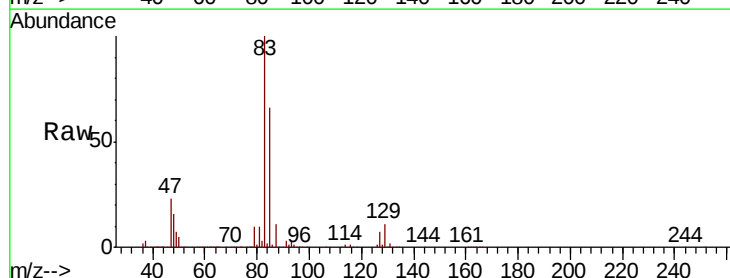
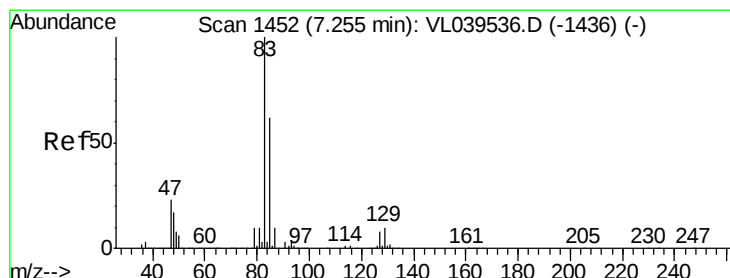
Tgt Ion: 83 Resp: 1689618

Ion Ratio Lower Upper

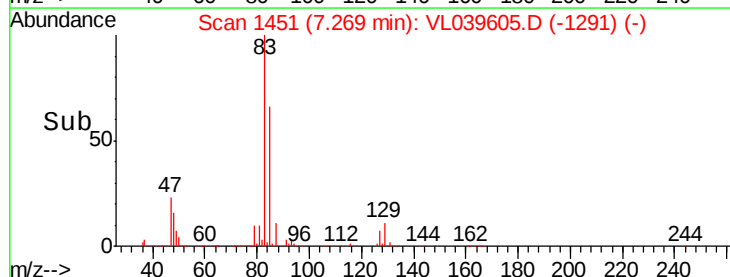
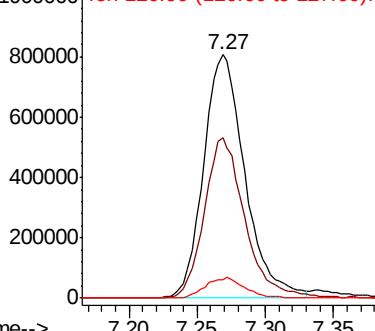
83 100

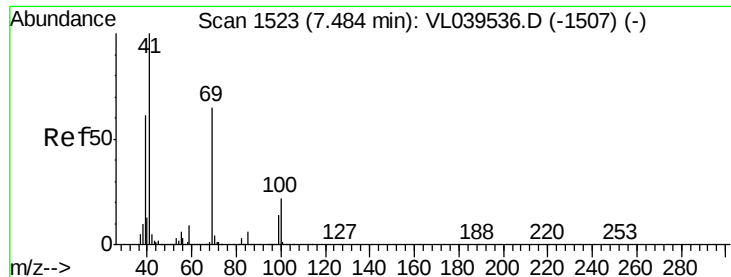
85 65.8 50.7 76.1

127 7.4 6.6 9.8



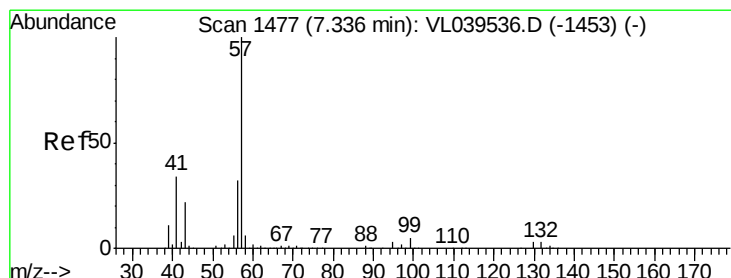
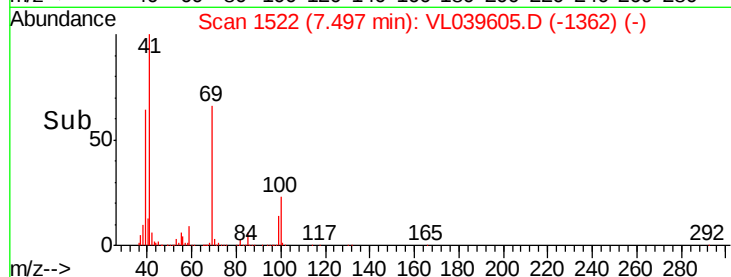
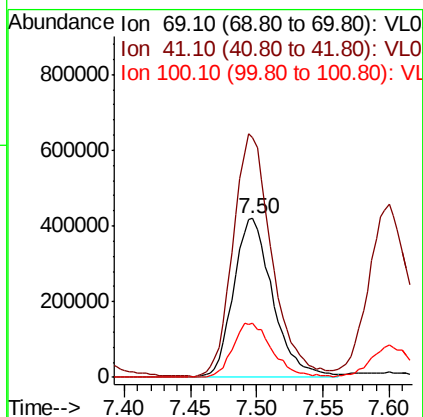
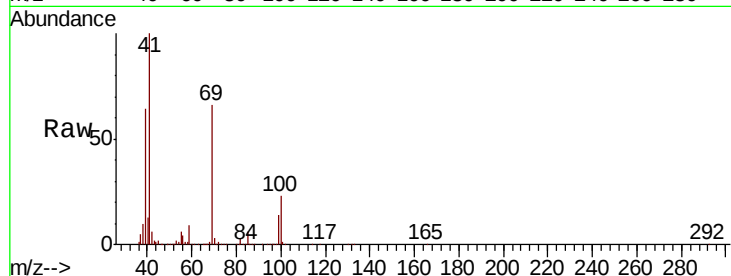
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





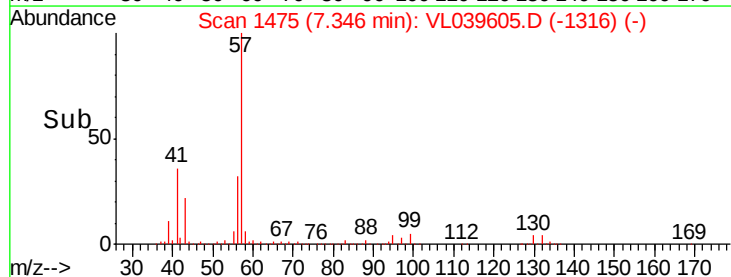
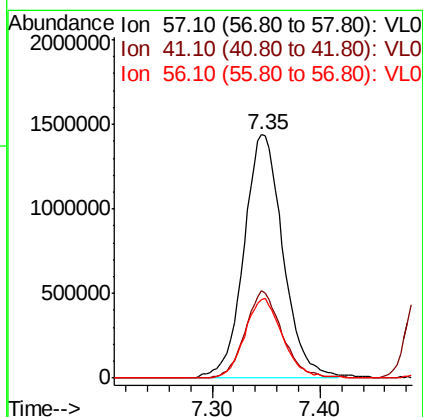
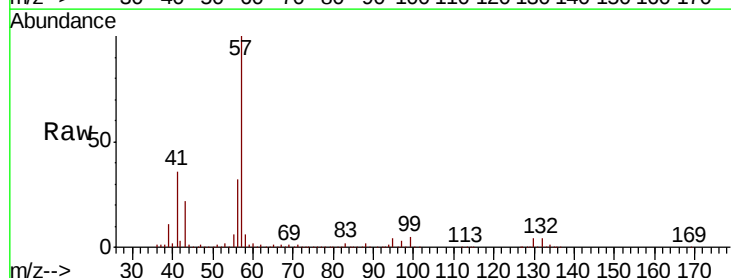
#43
Methyl Methacrylate
Concen: 11.801 ppbv
RT: 7.50
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0831ABS01
Acq: 31 Aug 2022 12:25

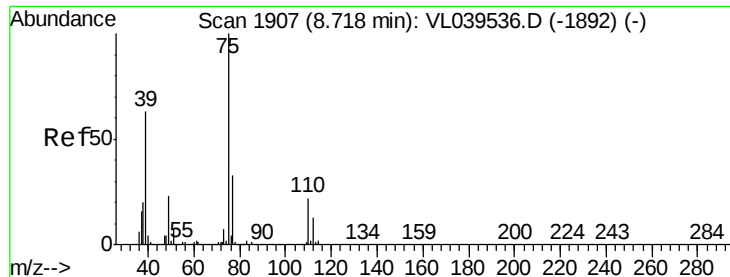
Tot Ion: 69 Resp: 865158
Ion Ratio Lower Upper
69 100
41 152.0 120.8 181.2
100 34.3 27.8 41.6



#44
2,2,4-Trimethylpentane
Concen: 10.588 ppbv
RT: 7.35 min Scan# 1475
Delta R.T.: 0.01 min
Lab File: VL039605.D
Acq: 31 Aug 2022 12:25

Tgt Ion: 57 Resp: 3628862
Ion Ratio Lower Upper
57 100
41 33.8 27.4 41.2
56 31.7 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 13.066 ppbv

RT: 8.73 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0831ABS01

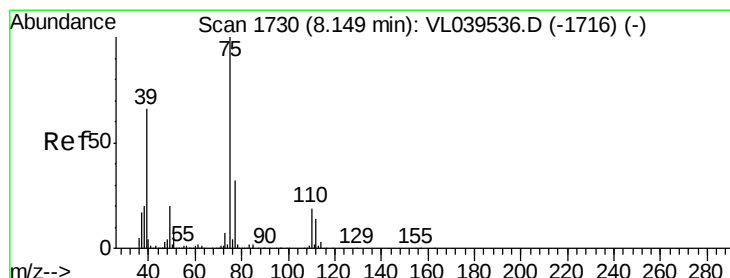
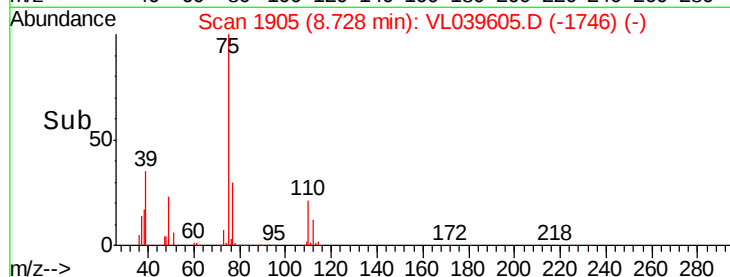
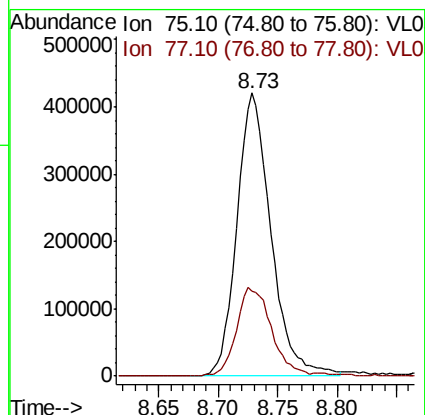
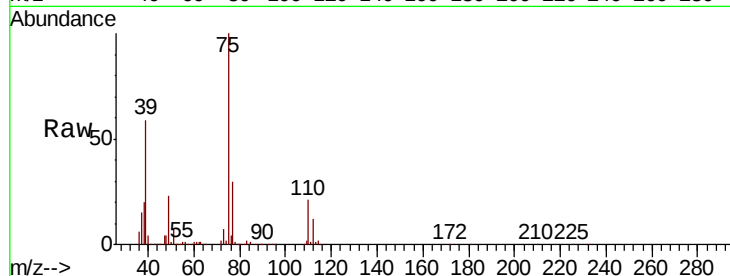
Acq: 31 Aug 2022 12:25

Tot Ion: 75 Resp: 834217

Ion Ratio Lower Upper

75 100

77 30.1 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 12.663 ppbv

RT: 8.16 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VL039605.D

Acq: 31 Aug 2022 12:25

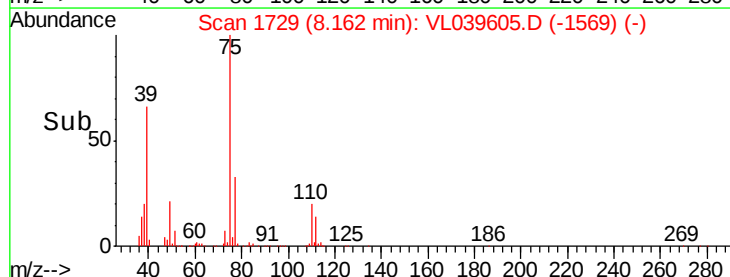
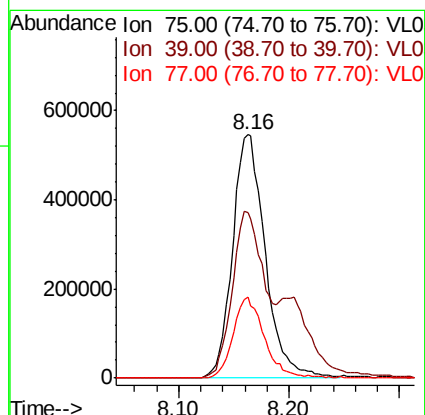
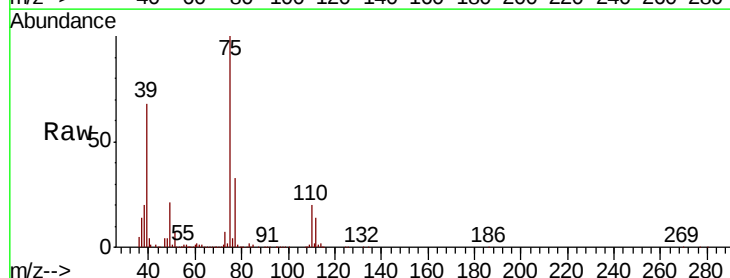
Tgt Ion: 75 Resp: 1119811

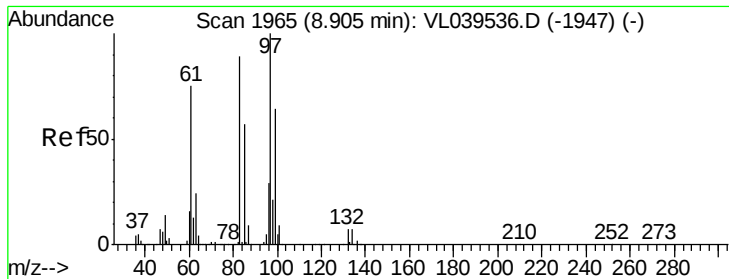
Ion Ratio Lower Upper

75 100

39 67.8 55.0 82.4

77 33.0 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 10.479 ppbv

RT: 8.92 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0831ABS01

Acq: 31 Aug 2022 12:25

Tot Ion: 97 Resp: 914714

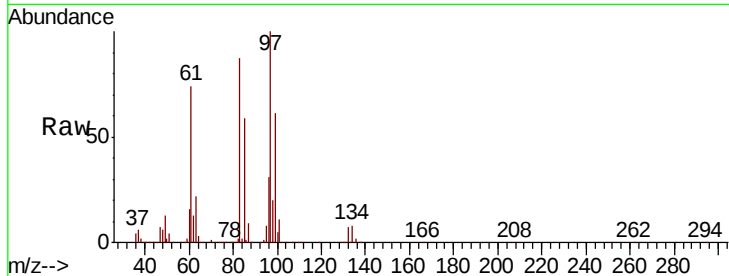
Ion Ratio Lower Upper

97 100

83 87.1 67.4 101.0

85 58.9 45.1 67.7

99 60.7 48.6 73.0

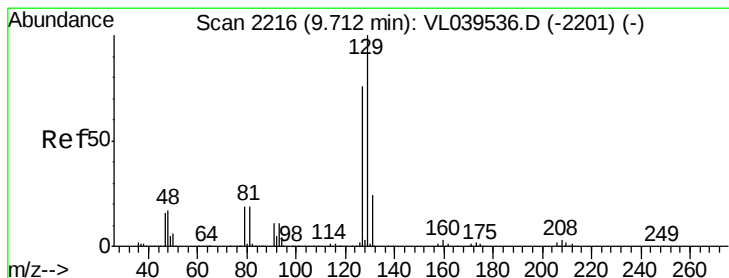
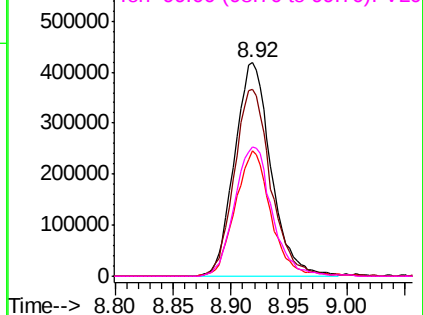
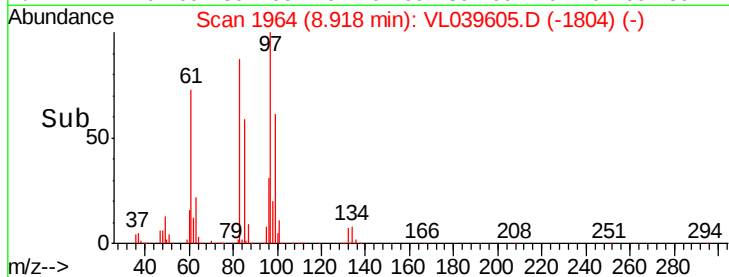


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.809 ppbv

RT: 9.73 min Scan# 2216

Delta R.T. 0.02 min

Lab File: VL039605.D

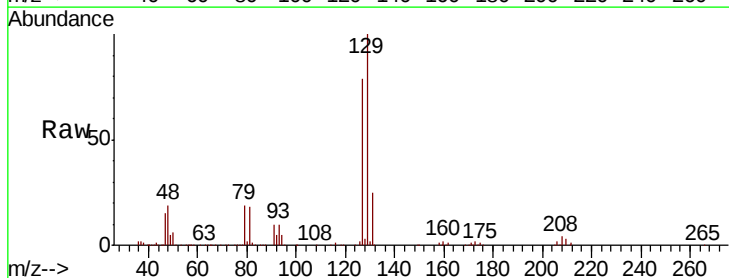
Acq: 31 Aug 2022 12:25

Tgt Ion: 129 Resp: 1519518

Ion Ratio Lower Upper

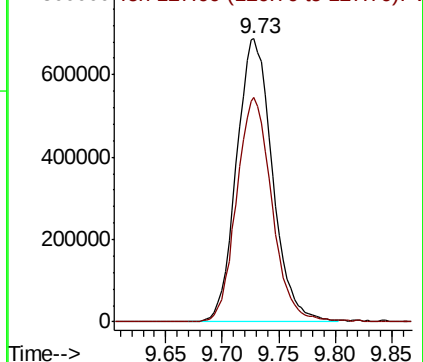
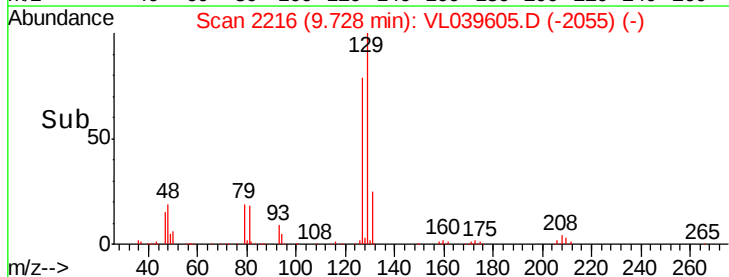
129 100

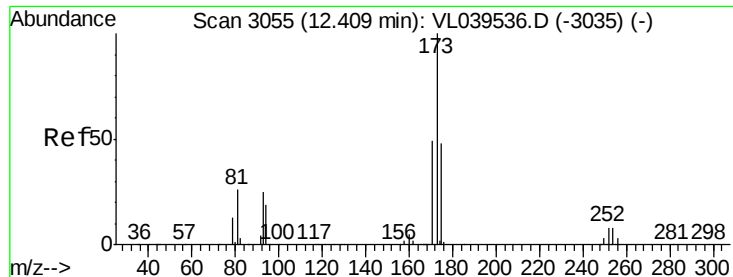
127 78.1 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.337 ppbv

RT: 12.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 31 Aug 2022 12:25

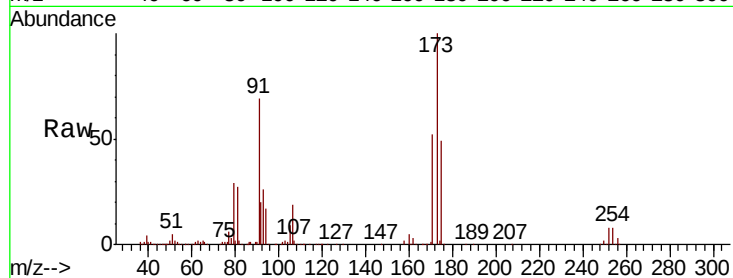
Tot Ion:173 Resp: 1314923

Ion Ratio Lower Upper

173 100

175 48.7 40.3 60.5

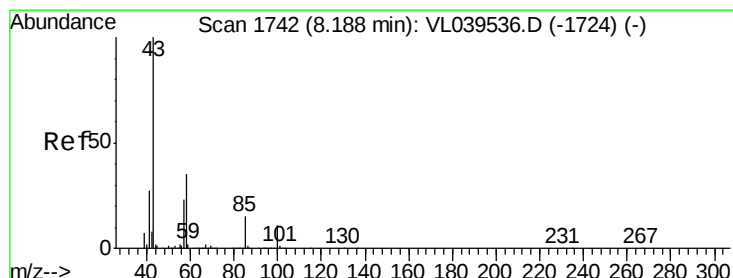
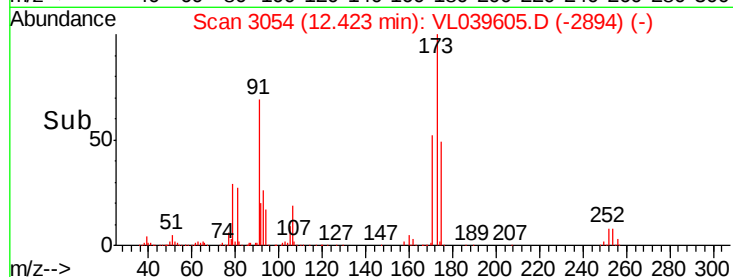
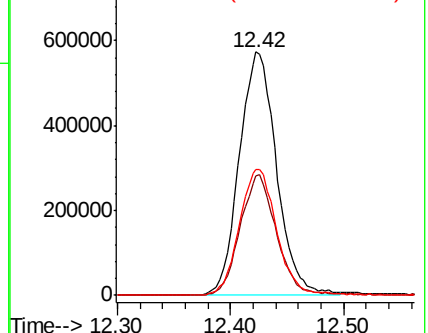
171 52.2 42.9 64.3



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: 11.019 ppbv

RT: 8.20 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VL039605.D

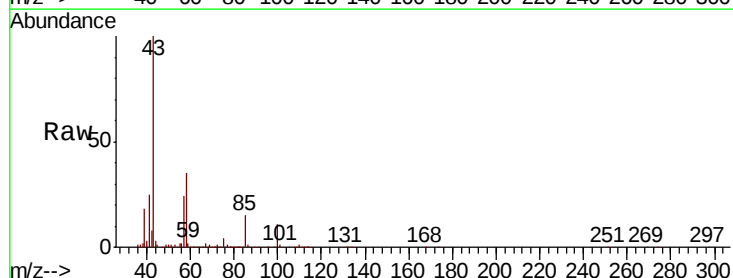
Acq: 31 Aug 2022 12:25

Tgt Ion: 43 Resp: 2276226

Ion Ratio Lower Upper

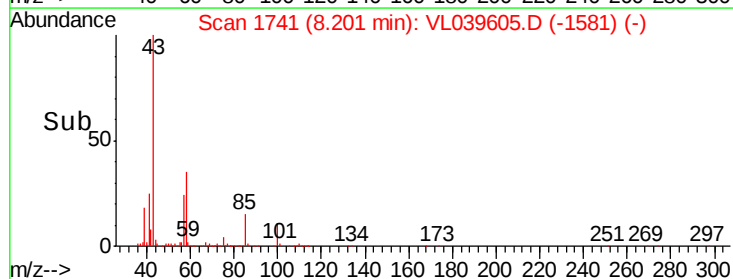
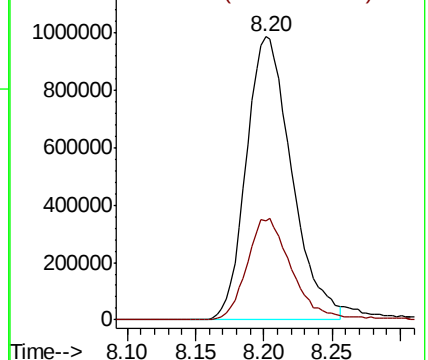
43 100

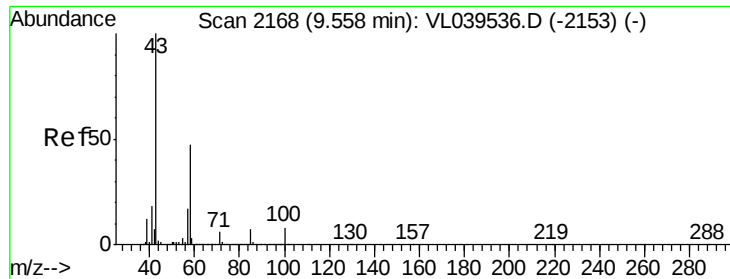
58 36.1 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

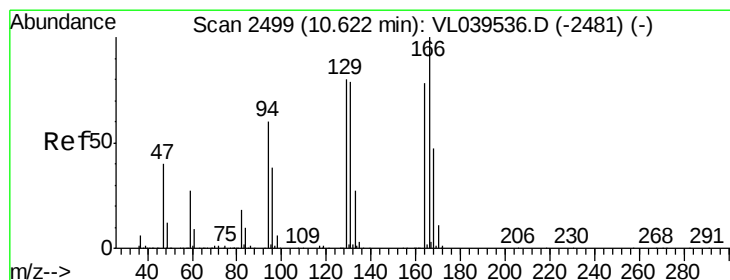
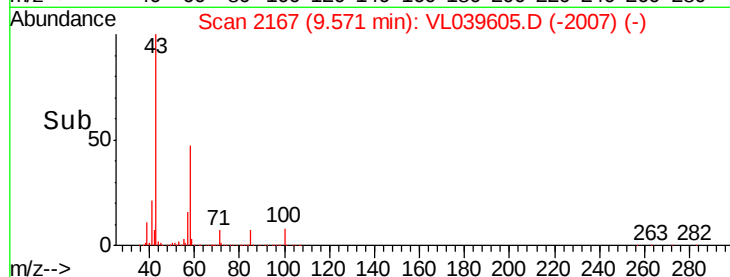
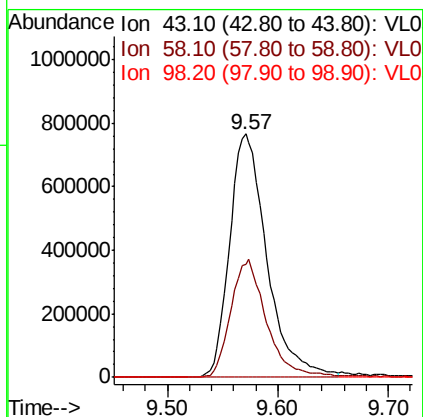
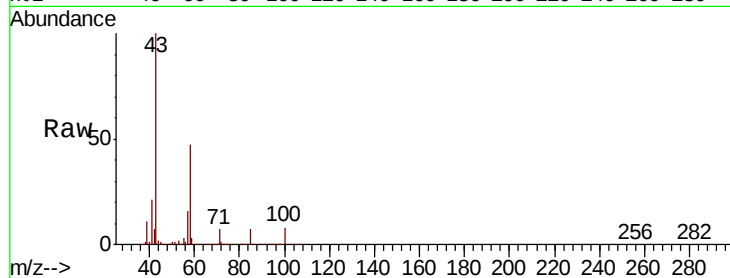
Ion 58.10 (57.80 to 58.80): VL0





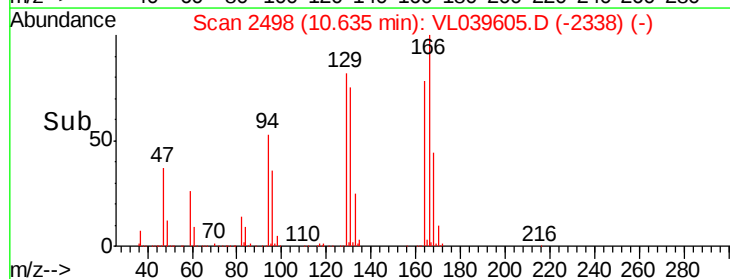
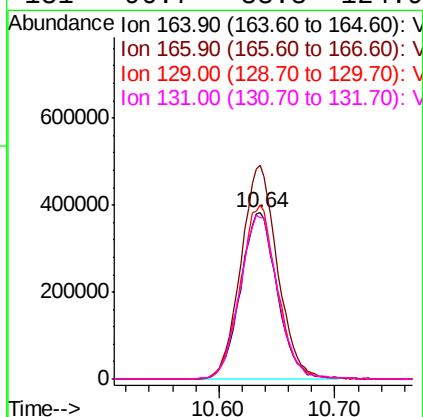
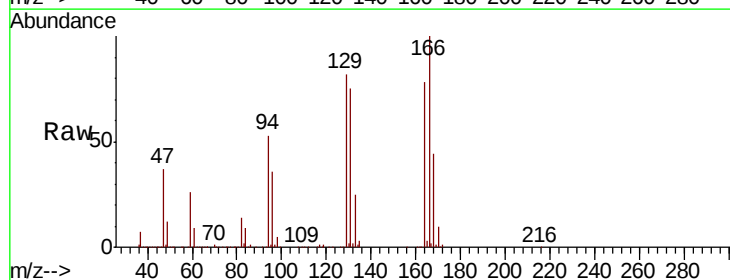
#51
2-Hexanone
Concen: 11.839 ppbv
RT: 9.57
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 31 Aug 2022 12:25

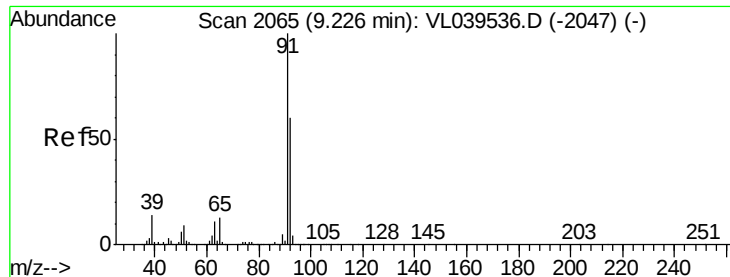
Tot Ion: 43 Resp: 1799874
Ion Ratio Lower Upper
43 100
58 47.0 38.4 57.6
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.927 ppbv
RT: 10.64 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VL039605.D
Acq: 31 Aug 2022 12:25

Tgt Ion:164 Resp: 840453
Ion Ratio Lower Upper
164 100
166 128.4 102.2 153.2
129 104.8 85.8 128.8
131 96.7 83.3 124.9





#53

Toluene

Concen: 11.314 ppbv

RT: 9.24 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

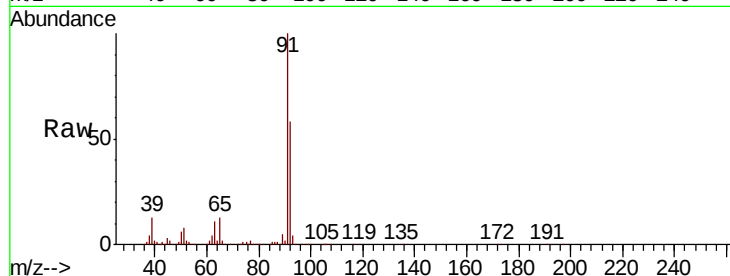
Acq: 31 Aug 2022 12:25 VL0831ABS01

Tot Ion: 91 Resp: 2574238

Ion Ratio Lower Upper

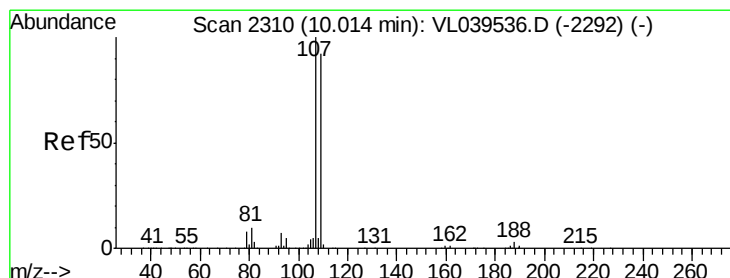
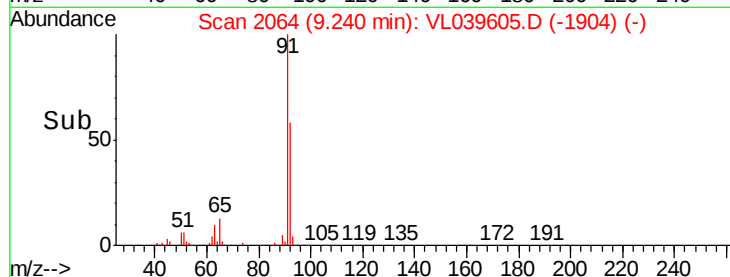
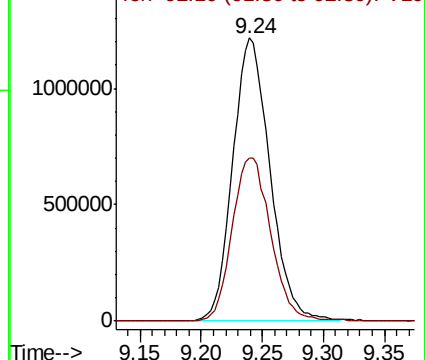
91 100

92 60.2 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.297 ppbv

RT: 10.03 min Scan# 2309

Delta R.T. 0.01 min

Lab File: VL039605.D

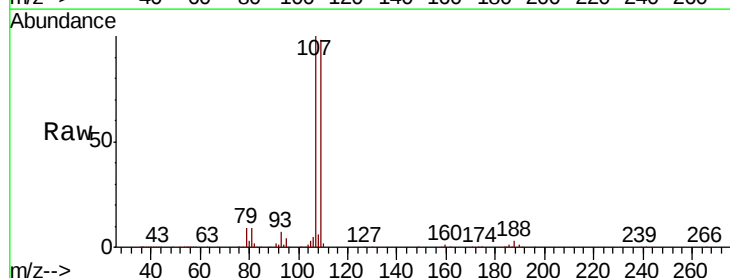
Acq: 31 Aug 2022 12:25

Tgt Ion:107 Resp: 1103041

Ion Ratio Lower Upper

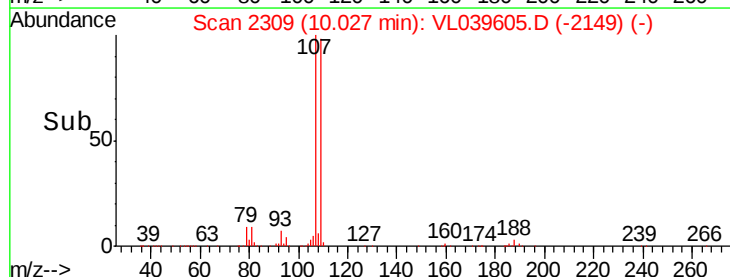
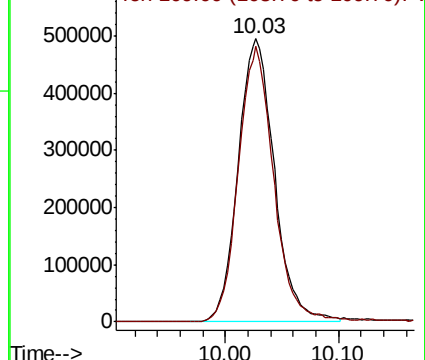
107 100

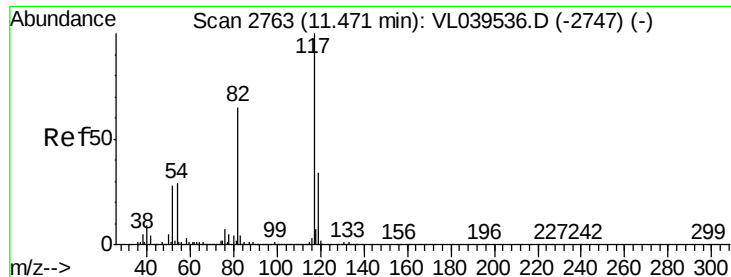
109 97.6 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

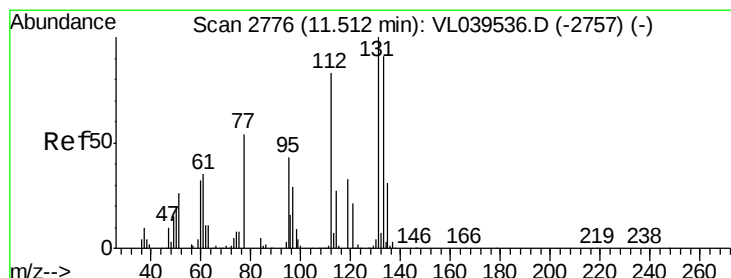
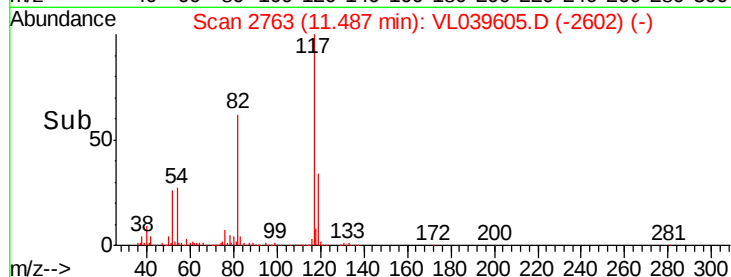
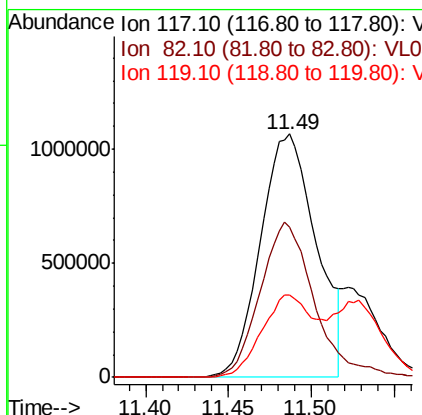
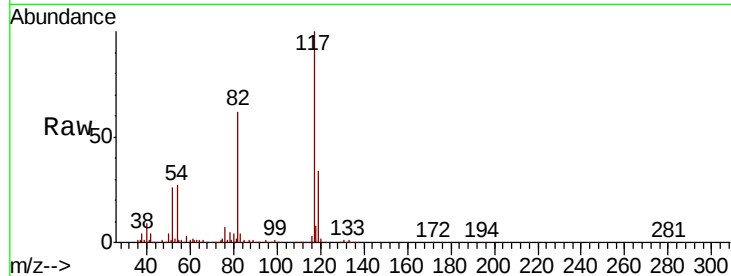




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.49 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0831ABS01
Acq: 31 Aug 2022 12:25

Tot Ion:117 Resp: 2497634

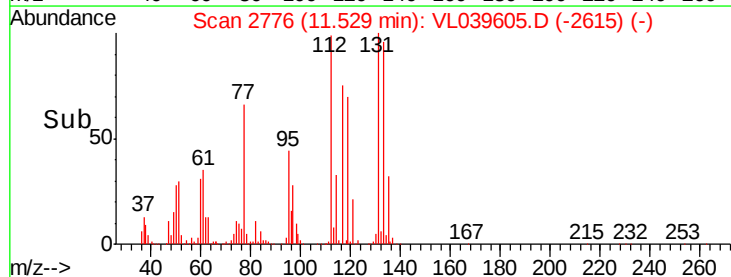
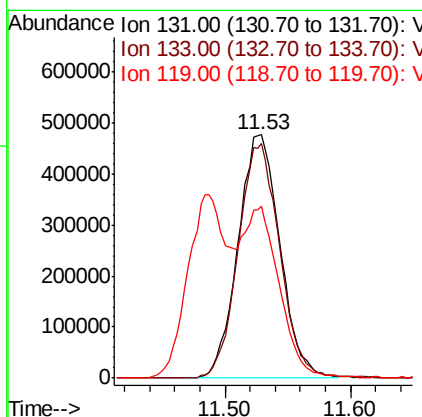
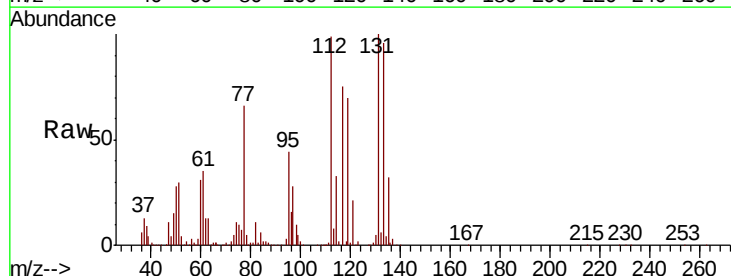
Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.8	76.2
119	29.6	24.1	36.1

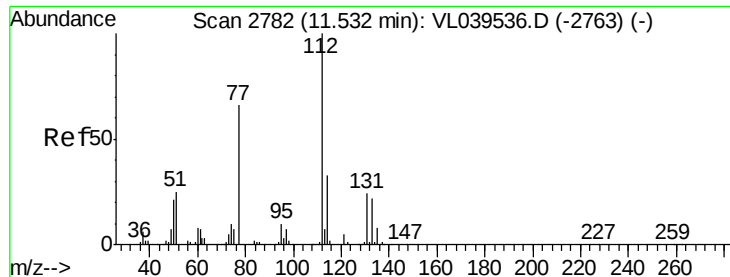


#56
1,1,1,2-Tetrachloroethane
Concen: 10.896 ppbv
RT: 11.53 min Scan# 2776
Delta R.T.: 0.02 min
Lab File: VL039605.D
Acq: 31 Aug 2022 12:25

Tgt Ion:131 Resp: 1105746

Ion	Ratio	Lower	Upper
131	100		
133	96.2	76.8	115.2
119	61.5	46.2	69.4





#57

Chlorobenzene

Concen: 10.646 ppbv

RT: 11.55

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Aug 2022 12:25

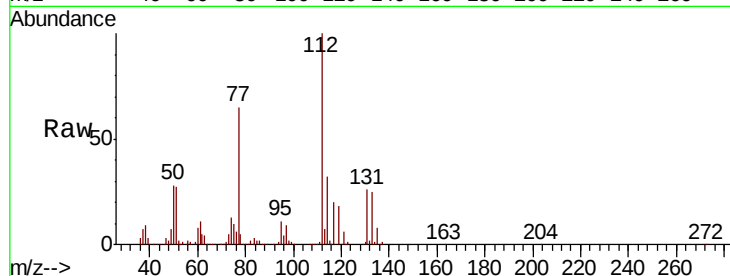
Tot Ion:112 Resp: 1983657

Ion Ratio Lower Upper

112 100

77 64.1 51.0 76.4

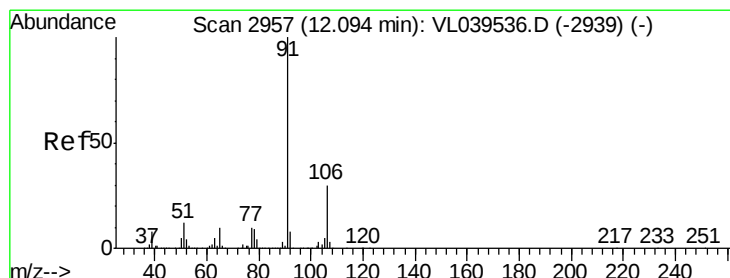
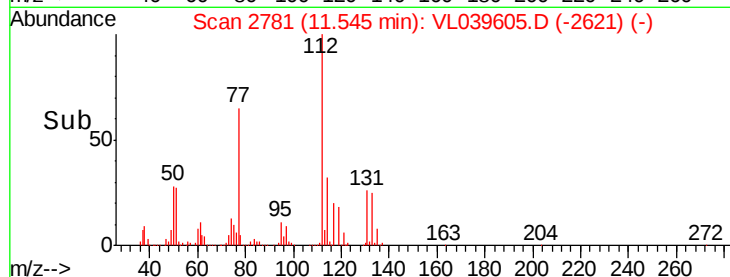
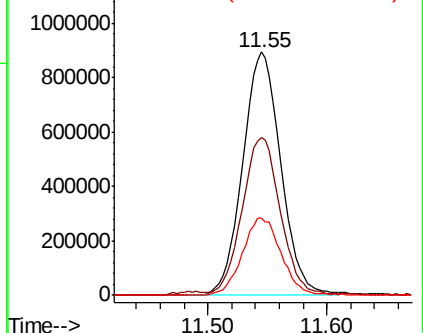
114 31.8 27.5 33.6



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: 11.879 ppbv

RT: 12.11 min Scan# 2956

Delta R.T. 0.01 min

Lab File: VL039605.D

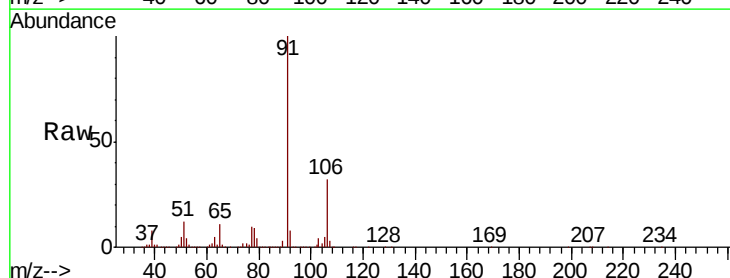
Acq: 31 Aug 2022 12:25

Tgt Ion: 91 Resp: 3408883

Ion Ratio Lower Upper

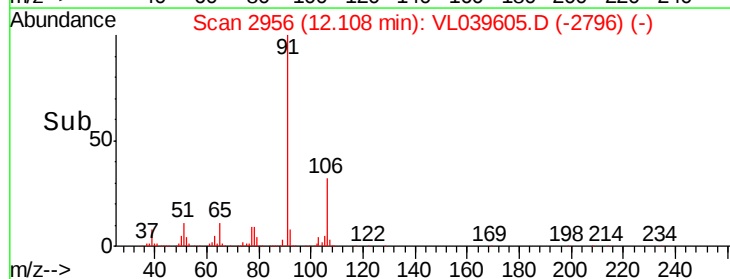
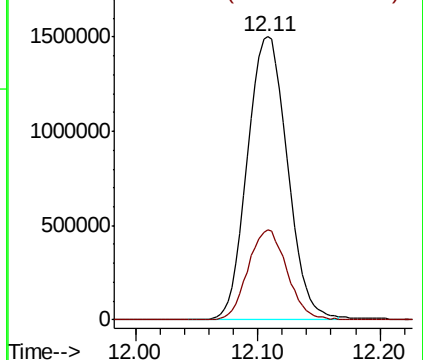
91 100

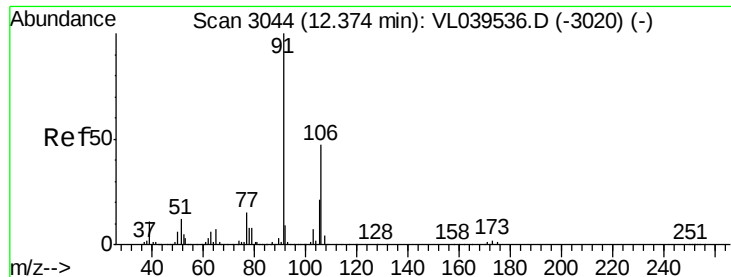
106 32.0 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

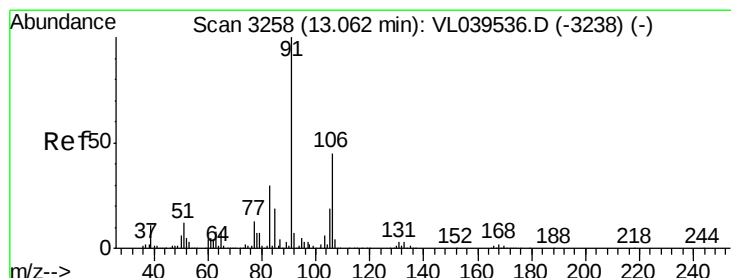
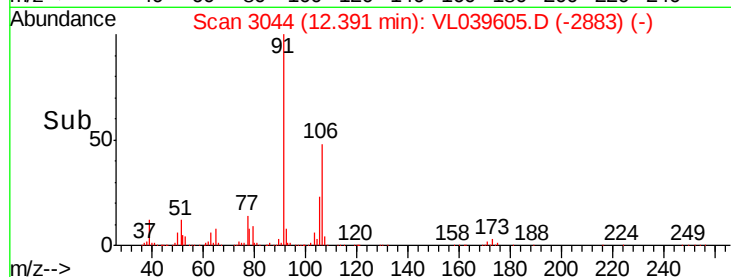
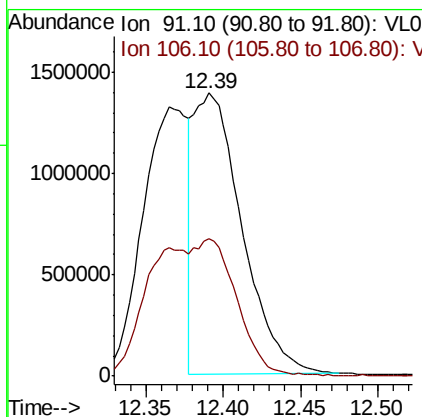
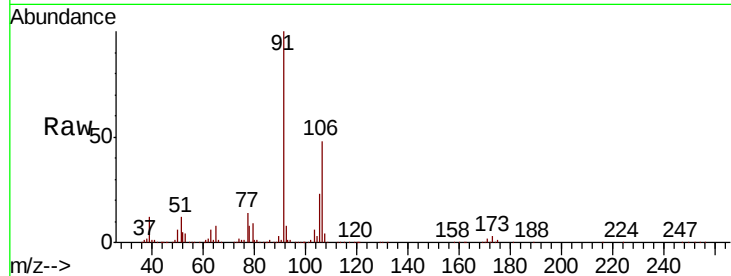
Ion 106.10 (105.80 to 106.80): V





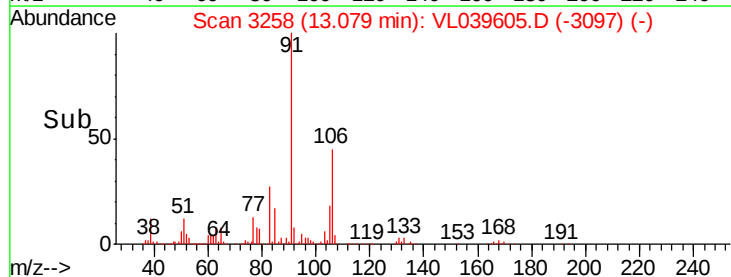
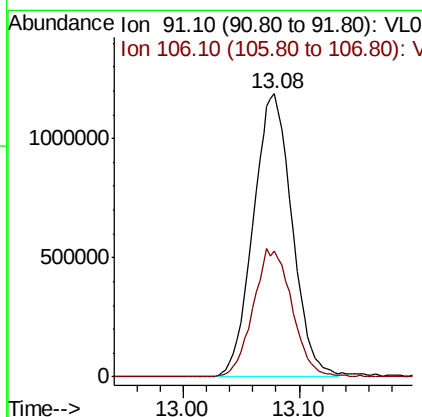
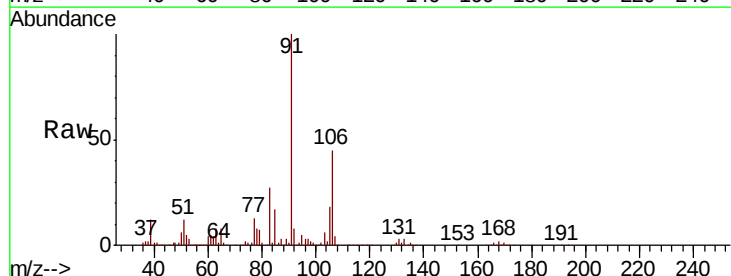
#59
m/p-Xylene
Concen: 11.660 ppbv
RT: 12.39 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: VL0831ABS01
Client Sample Id:
Acq: 31 Aug 2022 12:25

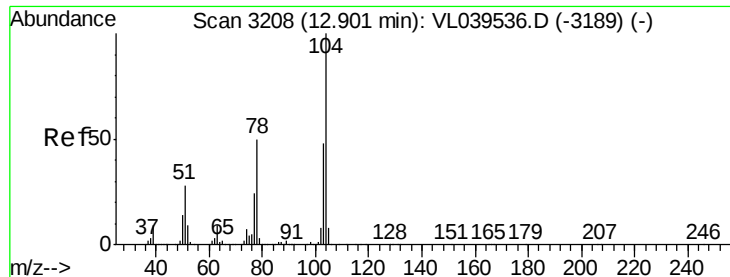
Tot Ion: 91 Resp: 3001924
Ion Ratio Lower Upper
91 100
106 86.9 35.4 53.2#



#60
o-Xylene
Concen: 11.149 ppbv
RT: 13.08 min Scan# 3258
Delta R.T.: 0.02 min
Lab File: VL039605.D
Acq: 31 Aug 2022 12:25

Tgt Ion: 91 Resp: 2755130
Ion Ratio Lower Upper
91 100
106 45.5 22.4 67.3





#61

Stvrene

Concen: 12.908 ppbv

RT: 12.92

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Aug 2022 12:25

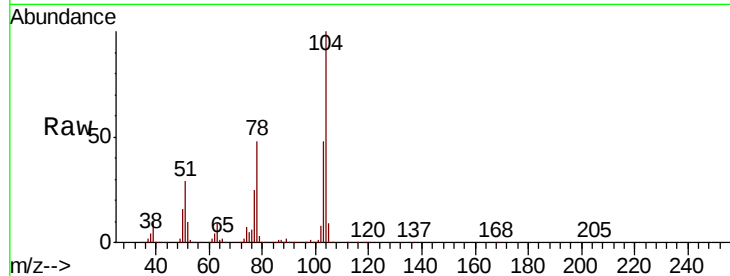
Tot Ion:104 Resp: 1698884

Ion Ratio Lower Upper

104 100

78 50.2 41.2 61.8

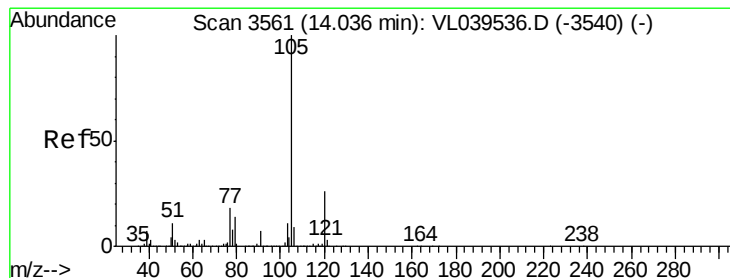
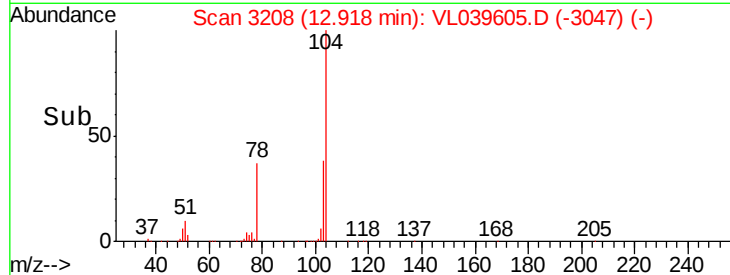
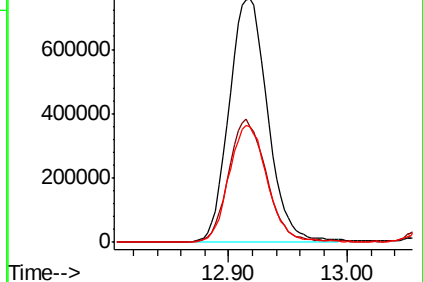
103 48.0 38.7 58.1



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: 10.946 ppbv

RT: 14.05 min Scan# 3560

Delta R.T. 0.01 min

Lab File: VL039605.D

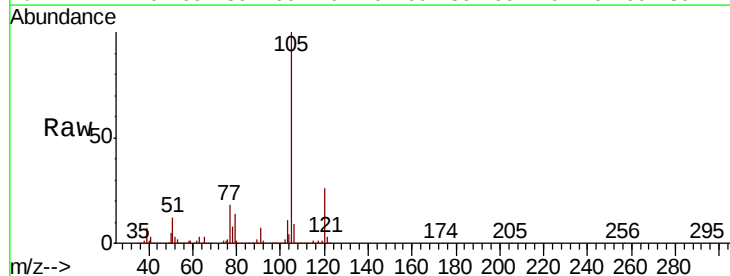
Acq: 31 Aug 2022 12:25

Tgt Ion:105 Resp: 4090231

Ion Ratio Lower Upper

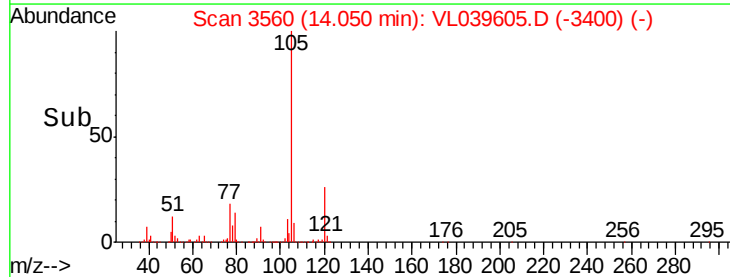
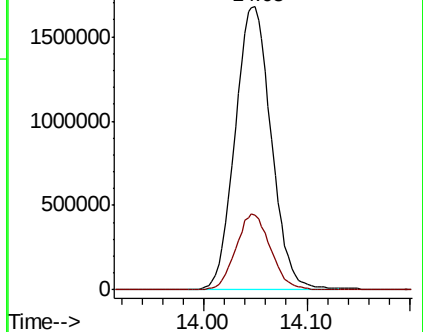
105 100

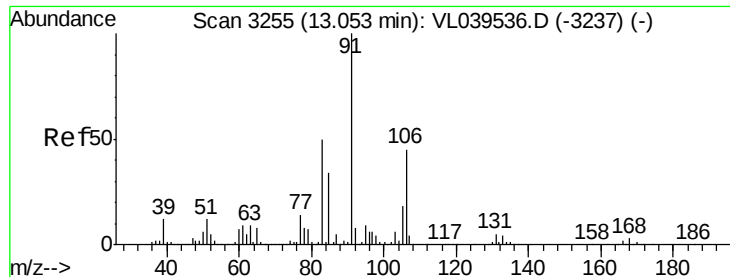
120 26.0 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

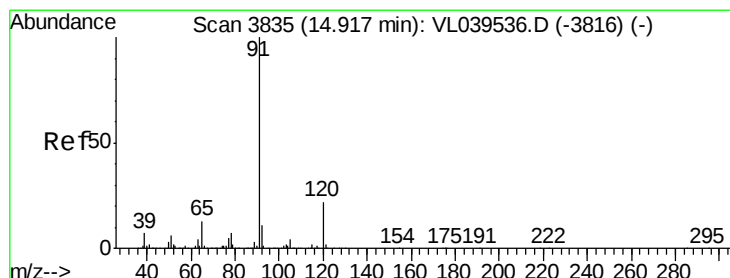
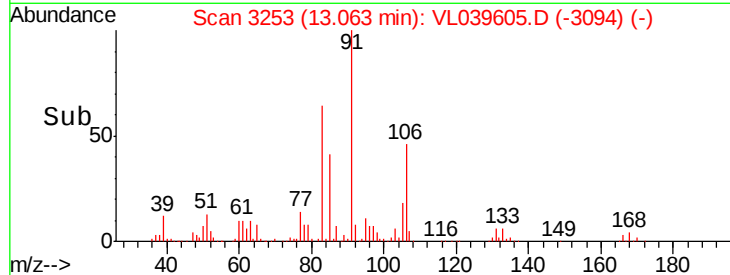
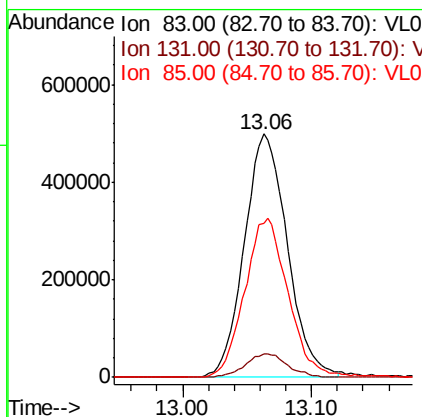
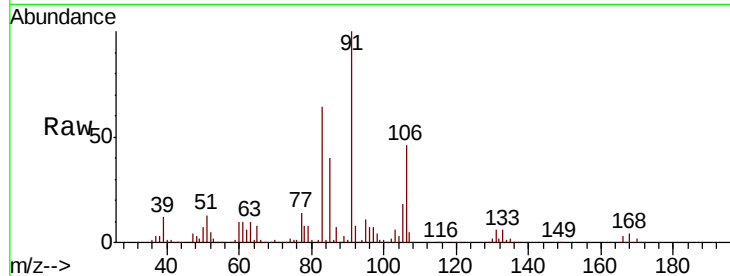
Ion 120.20 (119.90 to 120.90): V





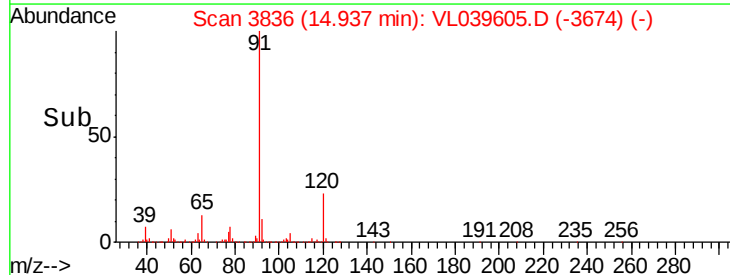
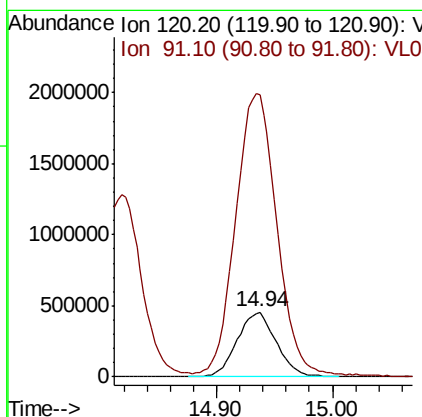
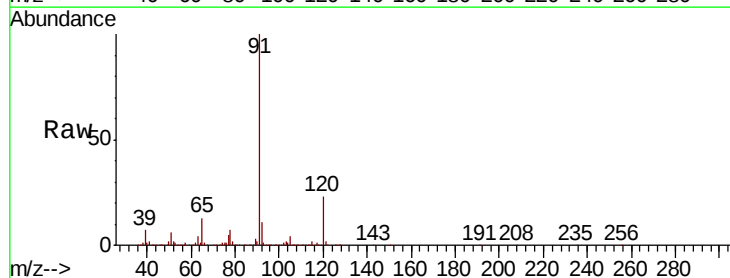
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.907 ppbv
 RT: 13.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0831ABS01
 Acq: 31 Aug 2022 12:25

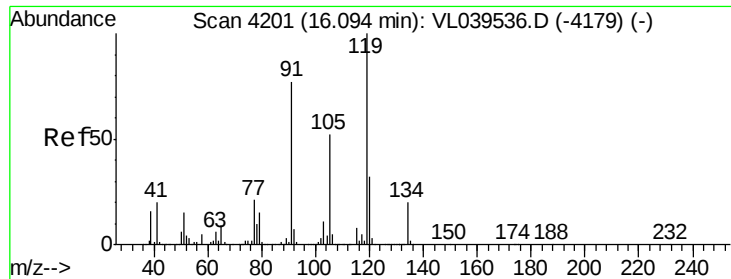
Tot Ion: 83 Resp: 1159401
 Ion Ratio Lower Upper
 83 100
 131 9.7 5.3 15.8
 85 66.5 33.1 99.5



#64
 n-propylbenzene
 Concen: 11.010 ppbv
 RT: 14.94 min Scan# 3836
 Delta R.T. 0.02 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion:120 Resp: 1069257
 Ion Ratio Lower Upper
 120 100
 91 466.7 367.2 550.8

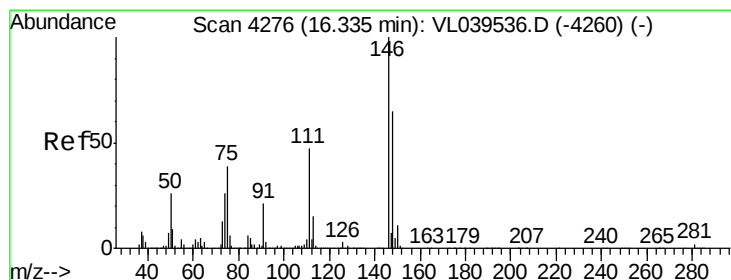
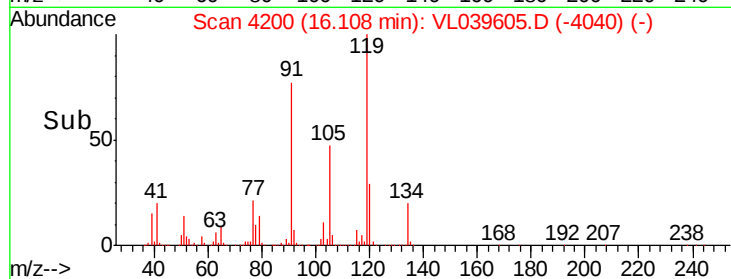
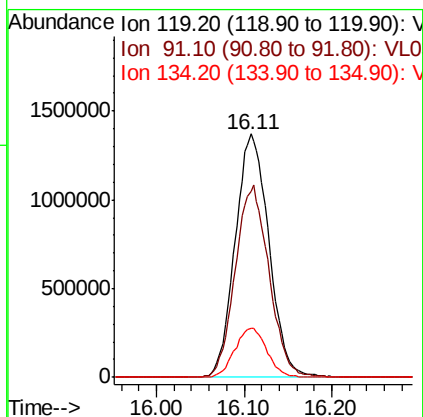
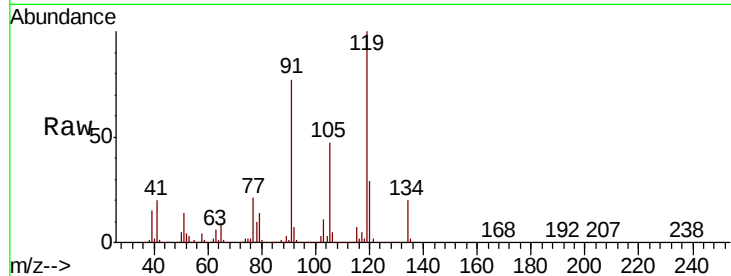




#65
 tert-Butylbenzene
 Concen: 11.046 ppbv
 RT: 16.11 min
 Instrument: MSVOA_1
 Delta R.T.: 0.01 min
 Lab File: VL0831ABS01
 Client Sample ID:
 Acq: 31 Aug 2022 12:25

Tot Ion: 119 Resp: 3669290

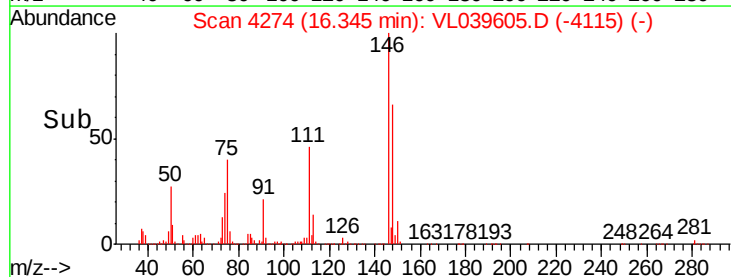
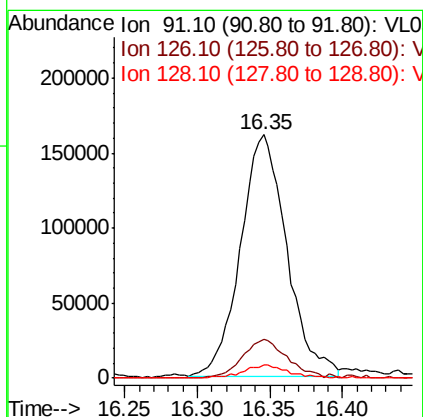
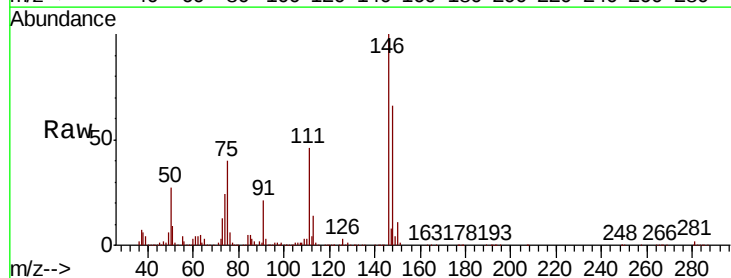
Ion	Ratio	Lower	Upper
119	100		
91	78.9	63.4	95.2
134	19.4	15.9	23.9

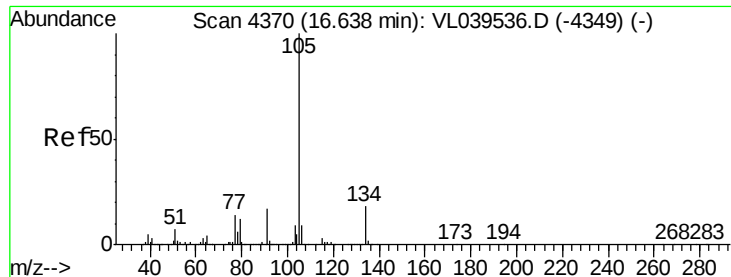


#66
 Benzyl Chloride
 Concen: 13.271 ppbv
 RT: 16.35 min Scan# 4274
 Delta R.T.: 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion: 91 Resp: 358096

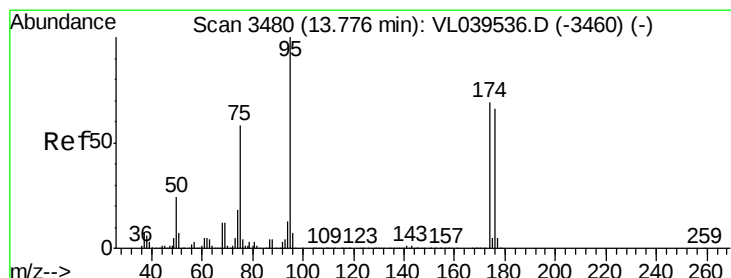
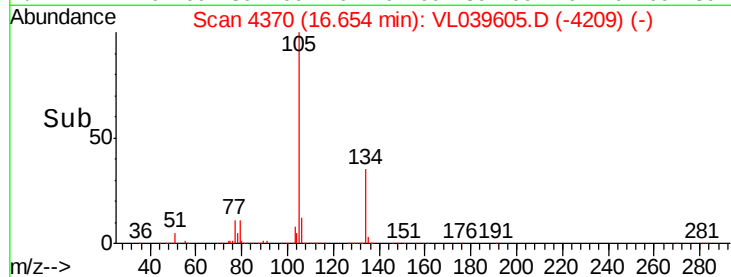
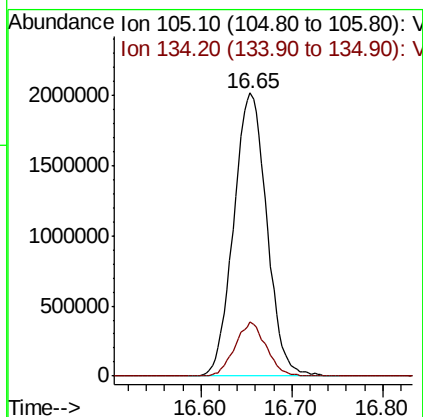
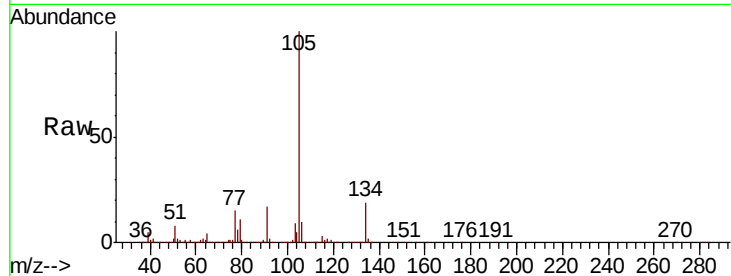
Ion	Ratio	Lower	Upper
91	100		
126	15.7	13.1	19.7
128	5.5	4.4	6.6





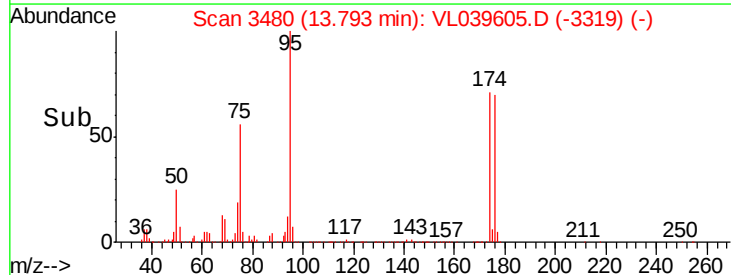
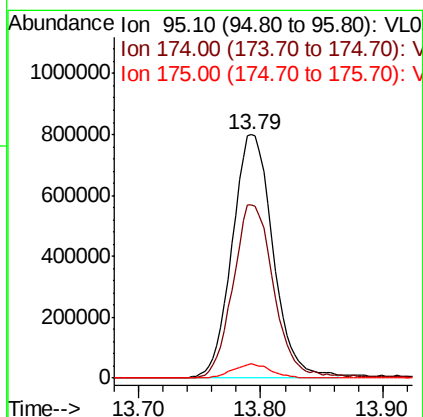
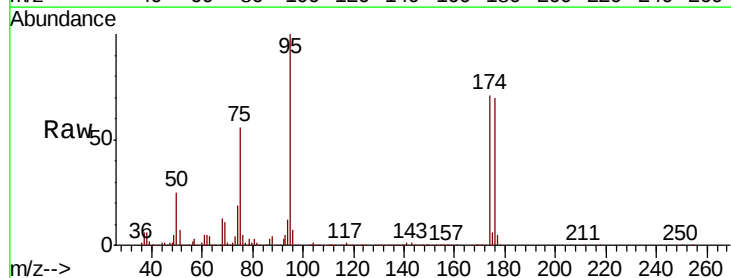
#67
 sec-Butylbenzene
 Concen: 10.834 ppbv
 RT: 16.65 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0831ABS01
 Acq: 31 Aug 2022 12:25

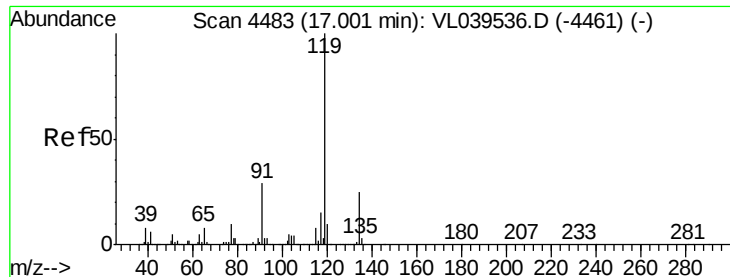
Tot Ion: 105 Resp: 5097231
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.794 ppbv
 RT: 13.79 min Scan# 3480
 Delta R.T.: 0.02 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion: 95 Resp: 1845385
 Ion Ratio Lower Upper
 95 100
 174 72.2 55.9 83.9
 175 5.6 4.2 6.4





#69

p-Isopropyltoluene

Concen: 10.952 ppbv

RT: 17.01 min

Delta R.T. 0.01 min

Lab File: VL0831ABS01

Acq: 31 Aug 2022 12:25

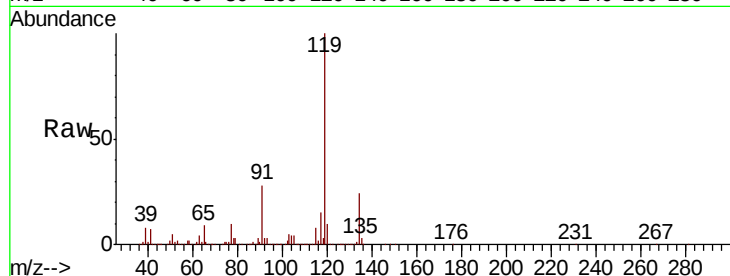
Tot Ion: 119 Resp: 4277158

Ion Ratio Lower Upper

119 100

134 25.2 20.3 30.5

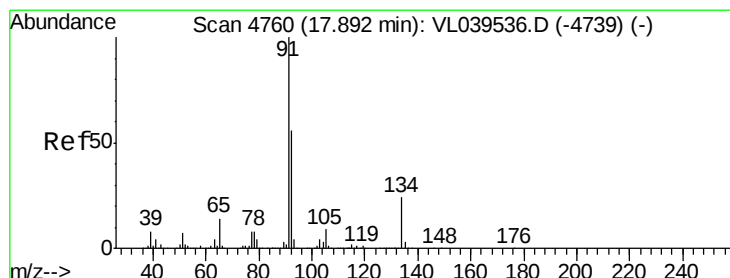
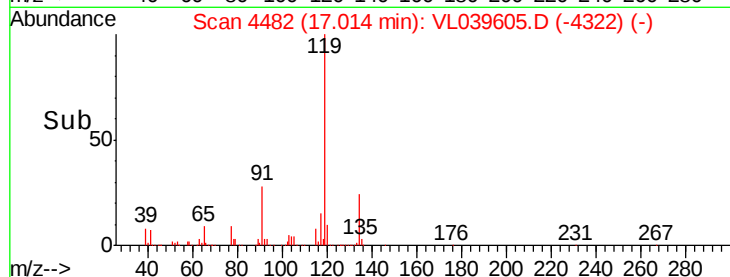
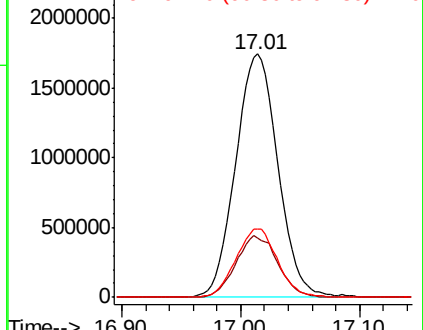
91 27.9 22.9 34.3



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 11.097 ppbv

RT: 17.90 min Scan# 4758

Delta R.T. 0.01 min

Lab File: VL039605.D

Acq: 31 Aug 2022 12:25

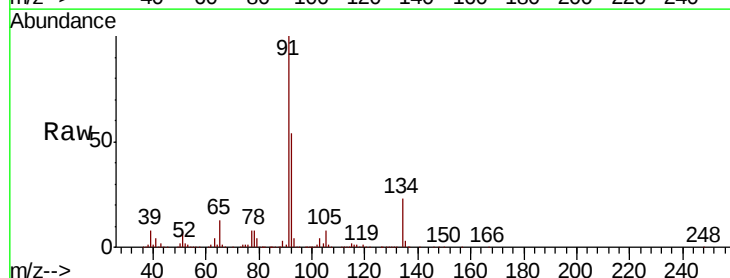
Tgt Ion: 91 Resp: 4312009

Ion Ratio Lower Upper

91 100

92 53.6 43.4 65.2

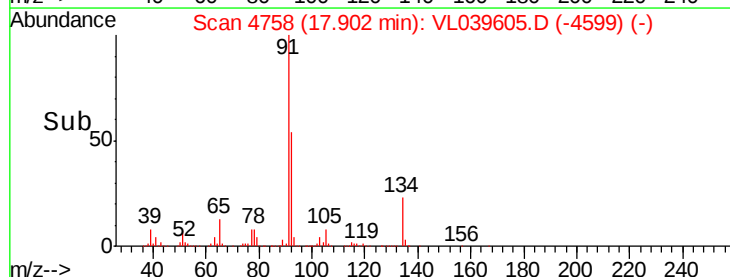
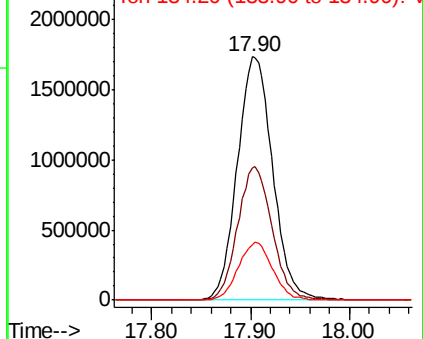
134 23.1 18.9 28.3

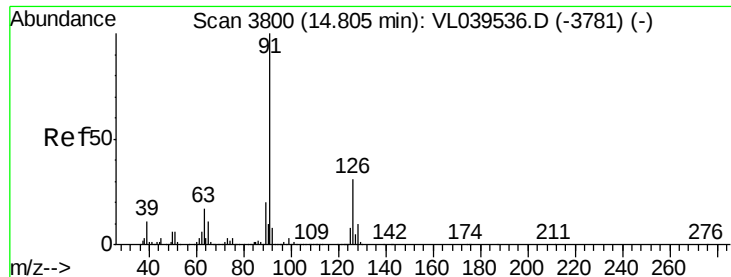


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

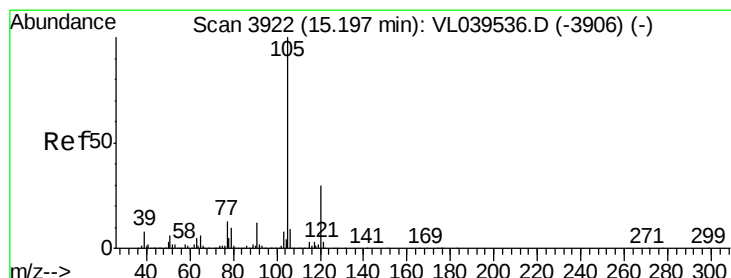
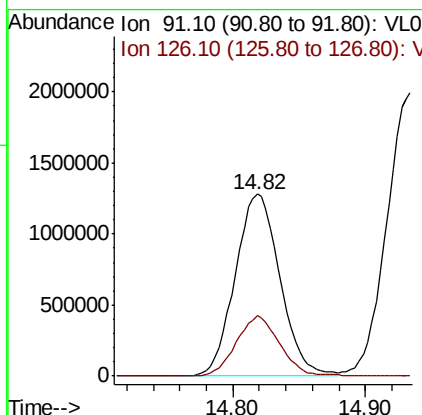
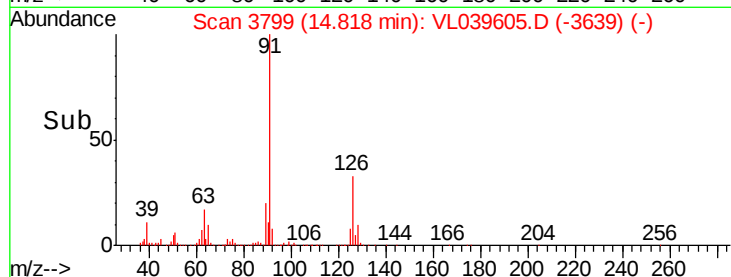
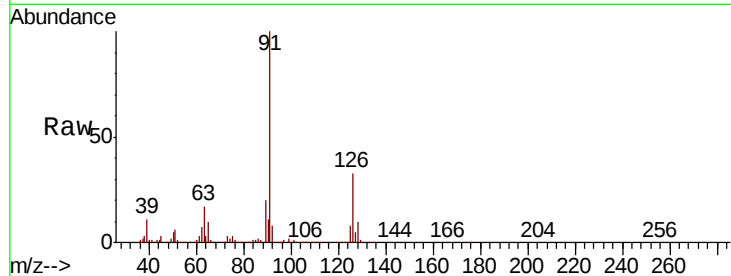
Ion 134.20 (133.90 to 134.90): V





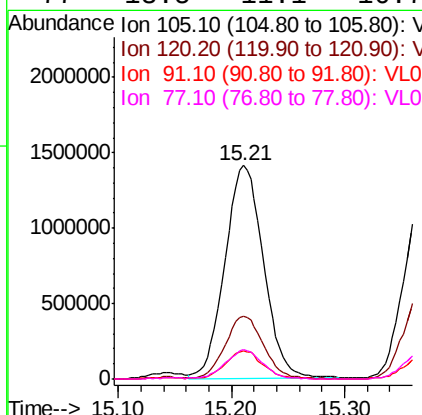
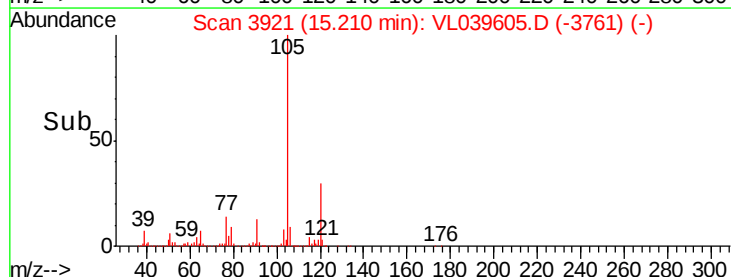
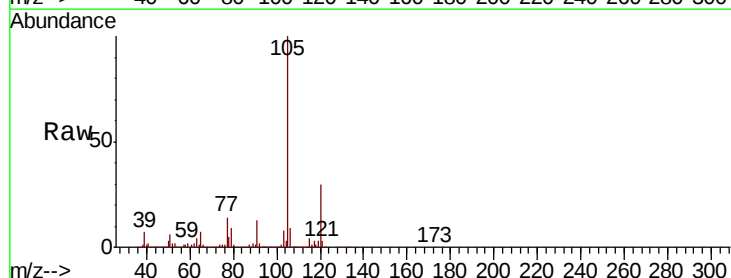
#71
 2-Chlorotoluene
 Concen: 11.099 ppbv
 RT: 14.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0831ABS01
 Acq: 31 Aug 2022 12:25

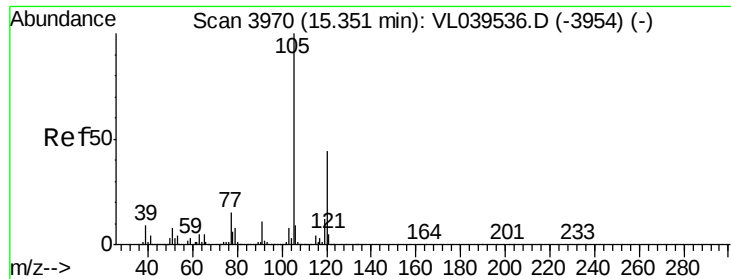
Tot Ion: 91 Resp: 3003978
 Ion Ratio Lower Upper
 91 100
 126 32.3 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 11.638 ppbv
 RT: 15.21 min Scan# 3921
 Delta R.T. 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion:105 Resp: 3362775
 Ion Ratio Lower Upper
 105 100
 120 29.4 24.2 36.2
 91 12.7 10.2 15.4
 77 13.5 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.259 ppbv

RT: 15.37

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

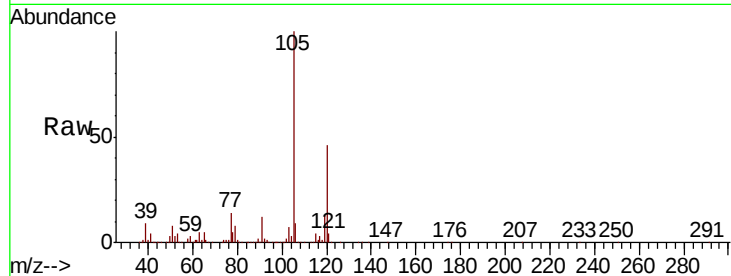
Acq: 31 Aug 2022 12:25

Tot Ion:105 Resp: 2972975

Ion Ratio Lower Upper

105 100

120 45.9 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.37

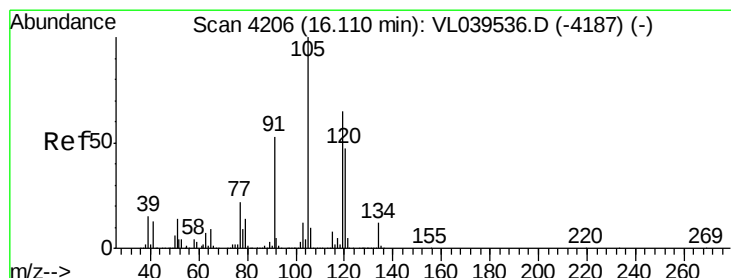
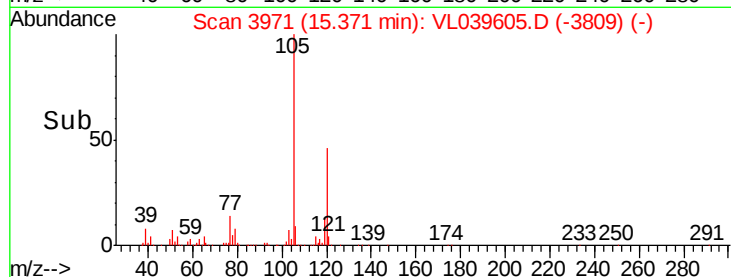
1000000

500000

0

Time-->

15.30 15.40



#74

1,2,4-Trimethylbenzene

Concen: 10.879 ppbv

RT: 16.12 min Scan# 4205

Delta R.T. 0.01 min

Lab File: VL039605.D

Acq: 31 Aug 2022 12:25

Tgt Ion:105 Resp: 3200898

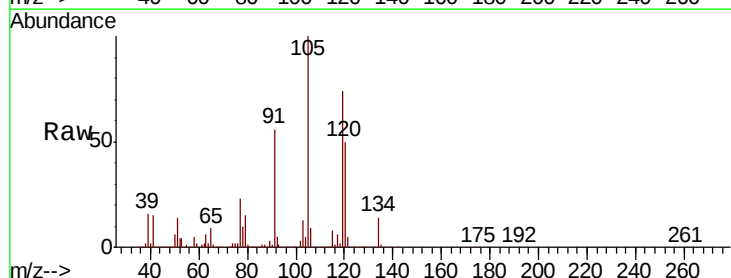
Ion Ratio Lower Upper

105 100

120 49.8 39.5 59.3

91 55.6 39.2 58.8

77 23.0 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

2000000

1500000

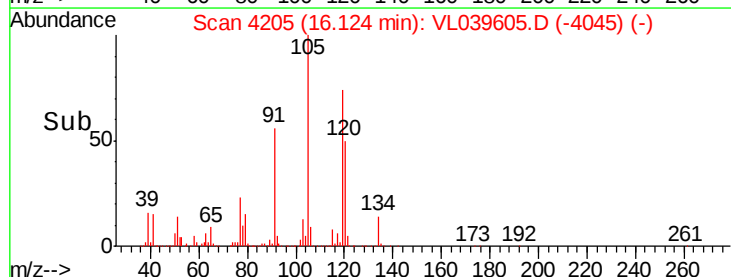
1000000

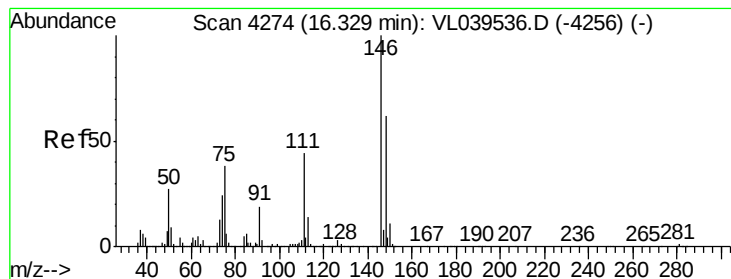
500000

0

Time-->

16.00 16.10 16.20





#75

1,3-Dichlorobenzene

Concen: 10.956 ppbv

RT: 16.35

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Aug 2022 12:25

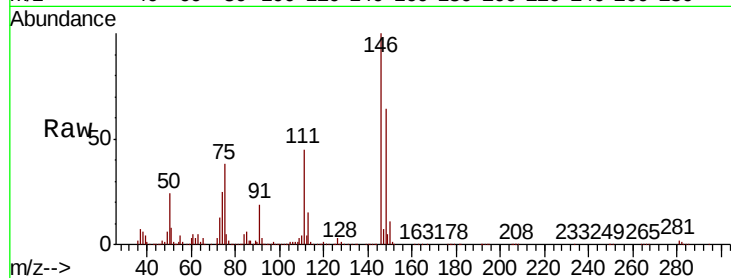
Tot Ion:146 Resp: 1959915

Ion Ratio Lower Upper

146 100

111 45.6 22.9 68.7

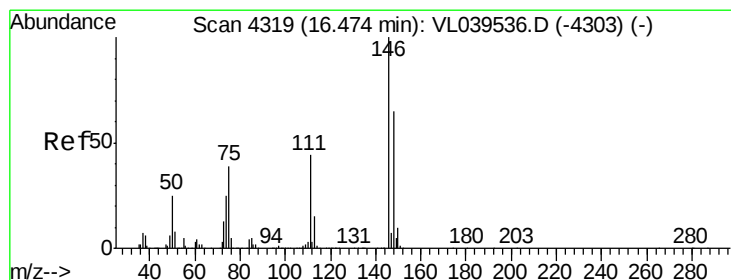
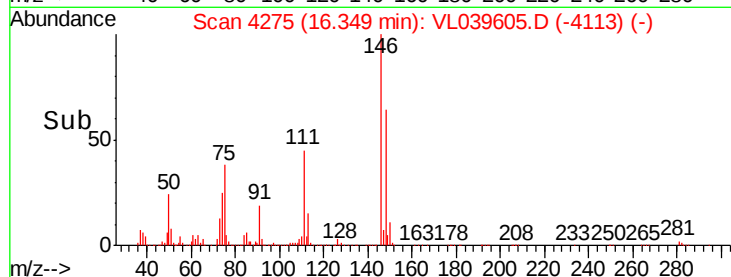
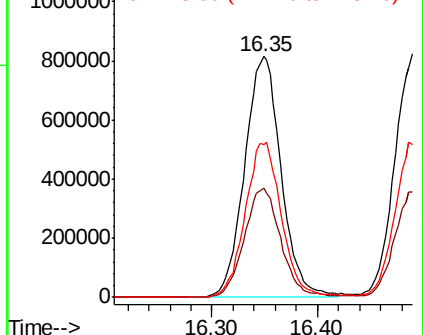
148 64.3 32.1 96.5



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: 10.747 ppbv

RT: 16.49 min Scan# 4319

Delta R.T. 0.02 min

Lab File: VL039605.D

Acq: 31 Aug 2022 12:25

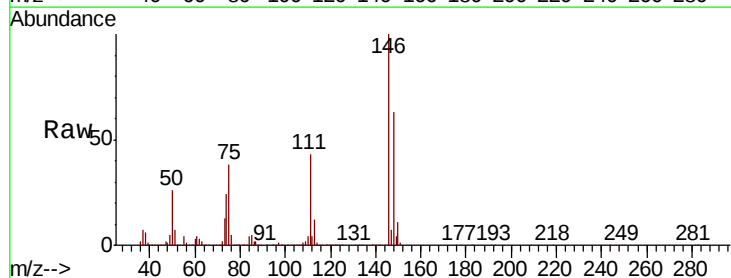
Tgt Ion:146 Resp: 1915342

Ion Ratio Lower Upper

146 100

111 44.9 22.9 68.8

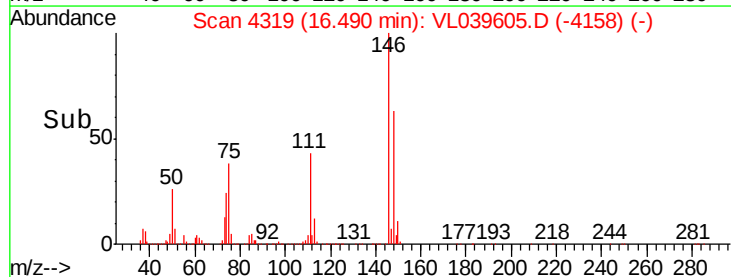
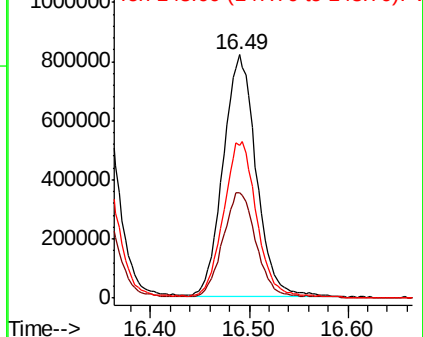
148 65.8 33.6 100.8

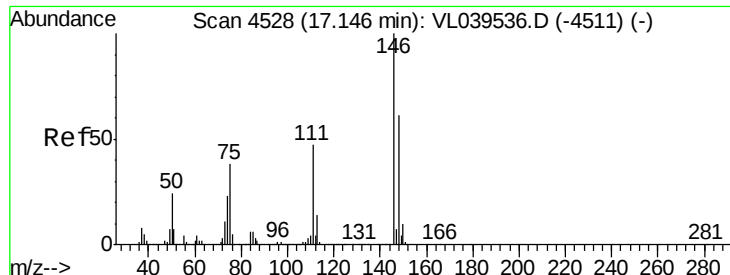


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

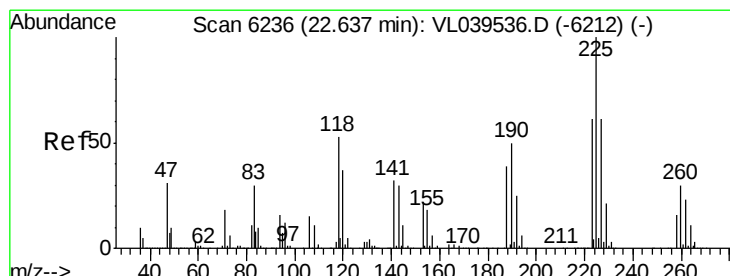
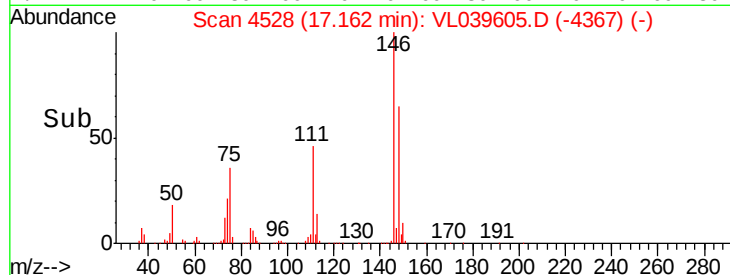
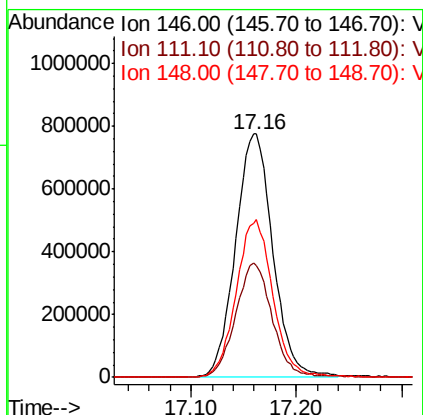
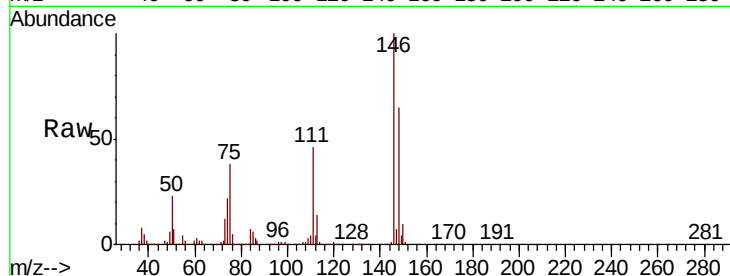




#77
 1,2-Dichlorobenzene
 Concen: 10.828 ppbv
 RT: 17.16 min
 Delta R.T. 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tot Ion:146 Resp: 1896718

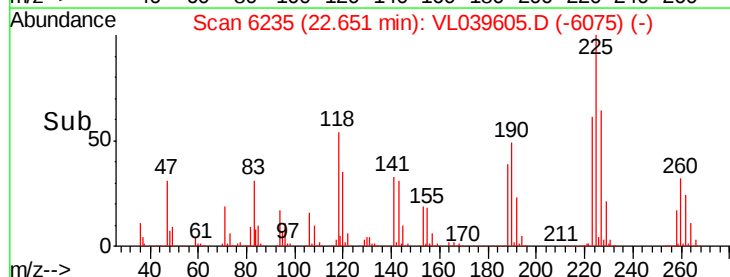
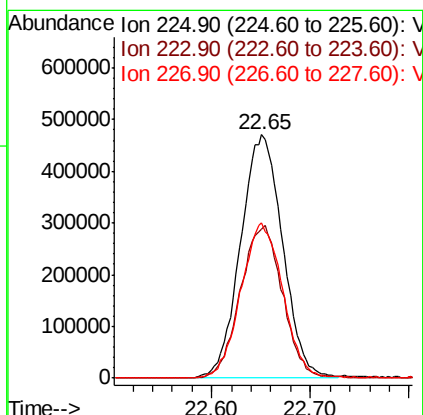
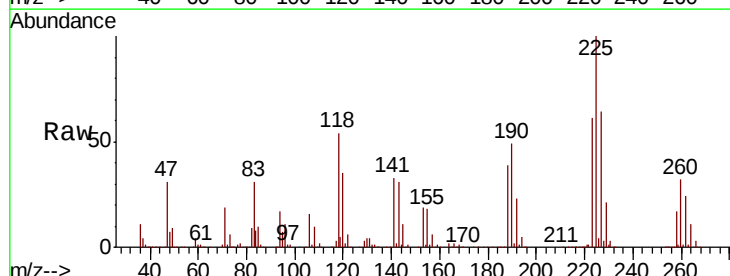
Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.8	71.5
148	64.2	32.3	96.8

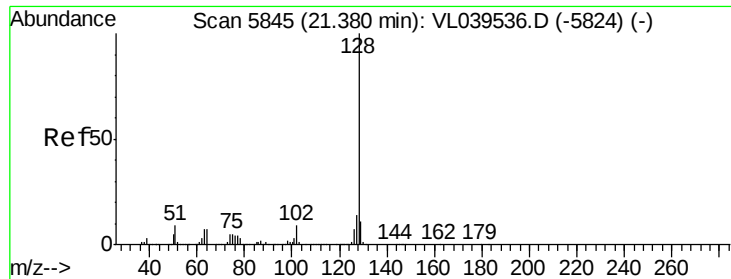


#78
 Hexachloro-1,3-Butadiene
 Concen: 9.949 ppbv
 RT: 22.65 min Scan# 6235
 Delta R.T. 0.01 min
 Lab File: VL039605.D
 Acq: 31 Aug 2022 12:25

Tgt Ion:225 Resp: 1387967

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.8	77.6
227	63.7	51.4	77.2

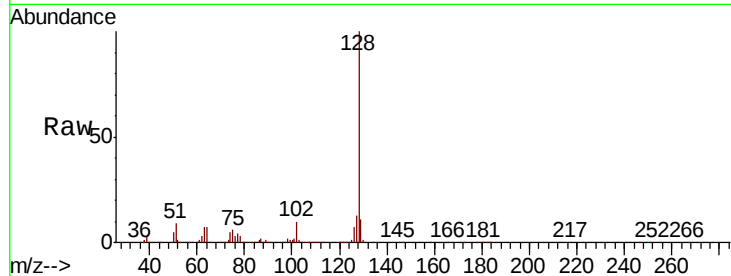




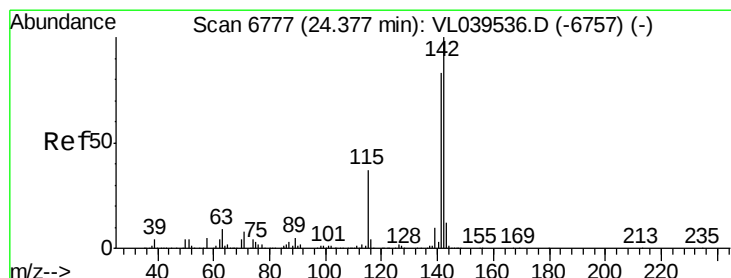
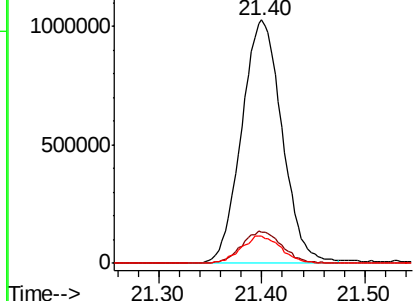
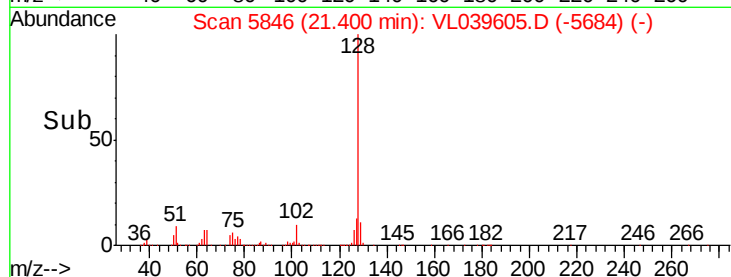
#79
Naphthalene
Concen: 13.350 ppbv
RT: 21.40 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: VL0831ABS01
Client Sample ID: VL0831ABS01
Acq: 31 Aug 2022 12:25

Tot Ion: 128 Resp: 2797455

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	11.4	8.8	13.2



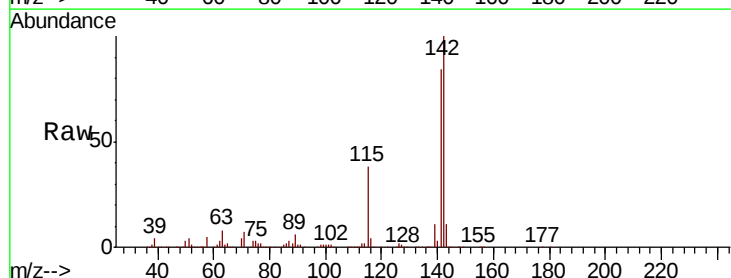
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



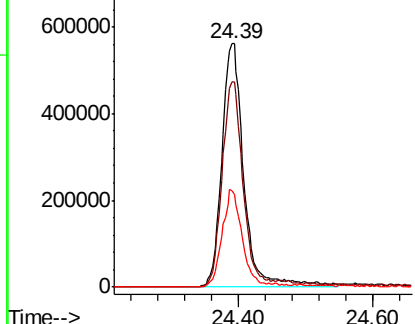
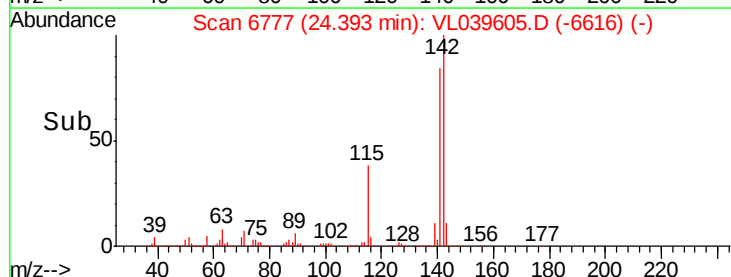
#80
Naphthalene, 2-methyl-
Concen: 15.156 ppbv
RT: 24.39 min Scan# 6777
Delta R.T.: 0.02 min
Lab File: VL039605.D
Acq: 31 Aug 2022 12:25

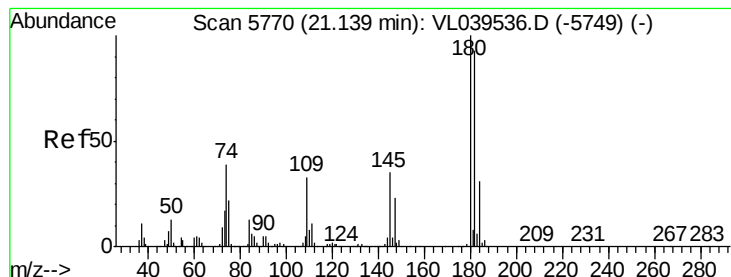
Tgt Ion: 142 Resp: 1288903

Ion	Ratio	Lower	Upper
142	100		
141	85.0	68.9	103.3
115	38.3	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: 4.651 ppbv

RT: 21.16

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 31 Aug 2022 12:25

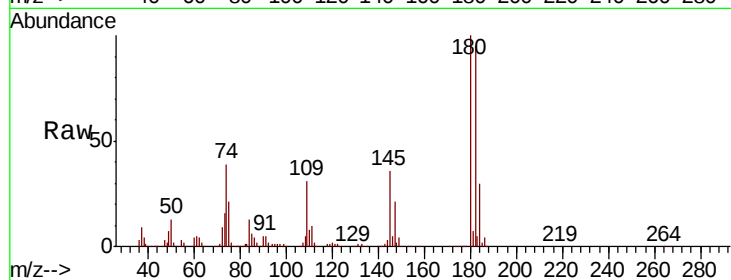
Tot Ion:180 Resp: 650776

Ion Ratio Lower Upper

180 100

182 0.0 77.1 115.7#

184 74.3 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

