

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072022\
 Data File : VL039512.D
 Acq On : 20 Jul 2022 15:57
 Operator : SY/AP
 Sample : VL0720ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0720ABS01

Quant Time: Jul 21 06:05:15 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.69	49	982112	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	2766770	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3348435	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2094901	8.43	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	954299	6.736	ppbv 96
3) Chlorodifluoromethane	3.00	51	1294774	10.391	ppbv 100
4) Chloromethane	3.15	50	716214	10.510	ppbv 98
5) Vinyl Chloride	3.28	62	672723	10.011	ppbv 99
6) Bromomethane	3.49	94	307852	10.885	ppbv 99
7) Chloroethane	3.57	64	249256	10.428	ppbv 97
8) Dichlorotetrafluoroethane	3.20	85	1471922	9.512	ppbv 97
9) Propene	3.02	41	563562	10.015	ppbv 96
10) Heptane	8.14	43	1458269	11.065	ppbv 98
11) Trichlorofluoromethane	3.97	101	1705988	10.807	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1213821	10.315	ppbv 99
13) Ethanol	3.62	45	22844	6.997	ppbv 76
14) Bromoethene	3.75	108	530677	10.727	ppbv 99
15) Acetone	3.86	43	1244688	10.712	ppbv 100
16) 1,3-Butadiene	3.34	39	636908	10.565	ppbv 97
17) tert-Butyl alcohol	4.30	59	1203423	12.203	ppbv 100
18) 1,1-Dichloroethene	4.31	96	553362	10.379	ppbv 97
19) Isopropyl Alcohol	3.98	45	672156	10.845	ppbv # 97
20) Methylene Chloride	4.36	84	475452	10.266	ppbv 94
21) Allyl Chloride	4.43	41	888136	11.036	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	559099	10.834	ppbv 97
23) Vinyl Acetate	5.09	43	968508	12.473	ppbv 98
24) 1,1-Dichloroethane	5.03	63	1261244	11.501	ppbv 98
25) Ethyl Acetate	5.69	43	2672380	11.217	ppbv 99
26) Hexane	5.71	57	1142209	11.894	ppbv 99
27) Carbon Disulfide	4.57	76	1351949	11.663	ppbv 98
28) Methyl tert-Butyl Ether	5.05	73	1198401	11.671	ppbv 97
29) Chloroform	5.77	83	1794068	10.743	ppbv 99
30) Cyclohexane	7.15	84	975433	11.157	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1111633	10.909	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	1836094	11.140	ppbv 100
34) 2-Butanone	5.26	43	1556952	11.179	ppbv 99
35) Carbon Tetrachloride	7.04	117	1993703	11.662	ppbv 98
36) Benzene	6.91	78	2349828	10.974	ppbv 96
37) 1,2-Dichloroethane	6.32	62	1398218	11.063	ppbv 100
38) Trichloroethene	7.85	130	1285483	11.099	ppbv 96
39) 1,2-Dichloropropane	7.64	63	848447	10.606	ppbv 99
40) 1,4-Dioxane	7.85	88	246463	7.731	ppbv # 1
41) Tetrahydrofuran	6.07	42	905780	11.223	ppbv 99
42) Bromodichloromethane	7.81	83	1947173	11.426	ppbv 99
43) Methyl Methacrylate	8.03	69	946146	11.620	ppbv 99

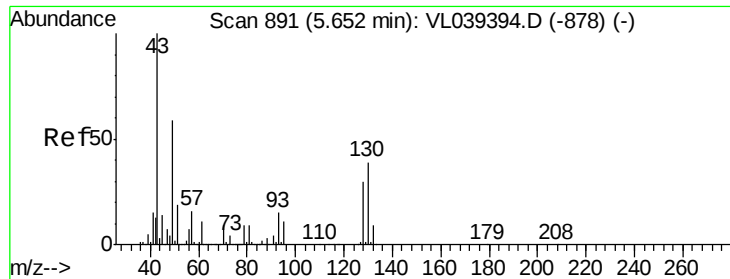
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072022\
 Data File : VL039512.D
 Acq On : 20 Jul 2022 15:57
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Quant Time: Jul 21 06:05:15 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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)
44) 2,2,4-Trimethylpentane	7.89	57	3889923	10.720	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	970585	13.388	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1250877	12.536	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	989544	11.024	ppbv	100
48) Dibromochloromethane	10.33	129	1760349	12.339	ppbv	100
49) Bromoform	13.06	173	1449936	12.598	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2432888	11.553	ppbv	99
51) 2-Hexanone	10.15	43	1908143	11.979	ppbv	100
52) Tetrachloroethene	11.24	164	935592	10.853	ppbv	99
53) Toluene	9.83	91	2818882	11.413	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1272634	11.395	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	695981	4.705	ppbv #	14
57) Chlorobenzene	12.17	112	2200412	8.476	ppbv	96
58) Ethyl Benzene	12.73	91	3806259	8.803	ppbv	98
59) m/p-Xylene	13.02	91	3707443	9.726	ppbv #	45
60) o-Xylene	13.71	91	3162149	8.761	ppbv	99
61) Styrene	13.55	104	1857540	9.500	ppbv	99
62) Isopropylbenzene	14.69	105	4714514	8.577	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	1463906	7.738	ppbv	97
64) n-propylbenzene	15.58	120	1254014	9.001	ppbv	98
65) tert-Butylbenzene	16.76	119	4343227	8.551	ppbv	100
66) Benzyl Chloride	17.01	91	433721	8.986	ppbv	99
67) sec-Butylbenzene	17.31	105	5886506	8.604	ppbv	100
69) p-Isopropyltoluene	17.67	119	5094738	8.776	ppbv	99
70) n-Butylbenzene	18.56	91	4954551	8.794	ppbv	99
71) 2-Chlorotoluene	15.47	91	3424673	8.705	ppbv	100
72) 4-Ethyltoluene	15.86	105	3852624	9.078	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3580888	9.187	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	3761891	8.725	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	2248562	8.742	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2197212	8.619	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2155585	8.455	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	702463	3.426	ppbv #	1
79) Naphthalene	22.21	128	2996358	10.098	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1117721	11.067	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	1732951	8.966	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0720ABS01

Acq: 20 Jul 2022 15:57

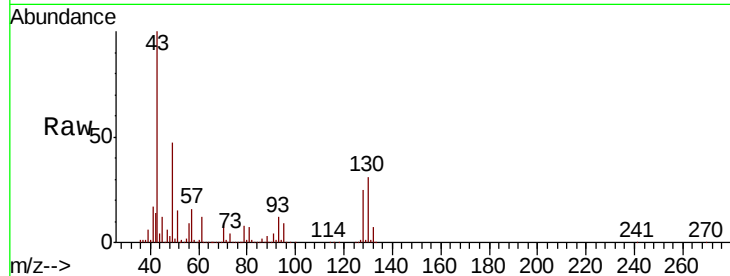
Tot Ion: 49 Resp: 982112

Ion Ratio Lower Upper

49 100

128 54.3 26.7 80.0

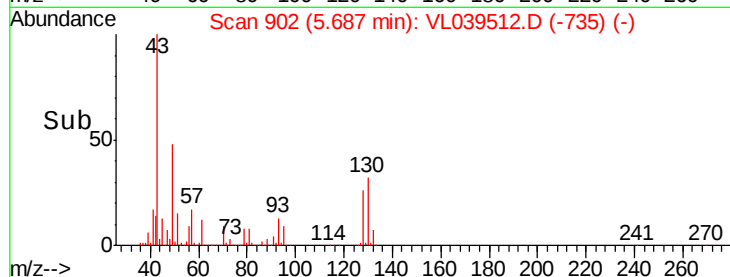
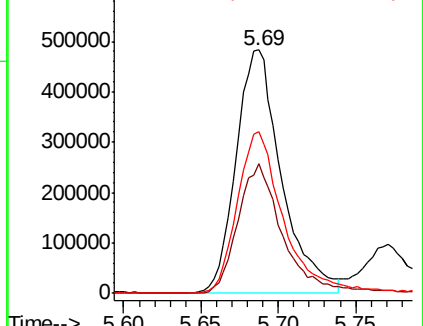
130 69.5 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.736 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL039512.D

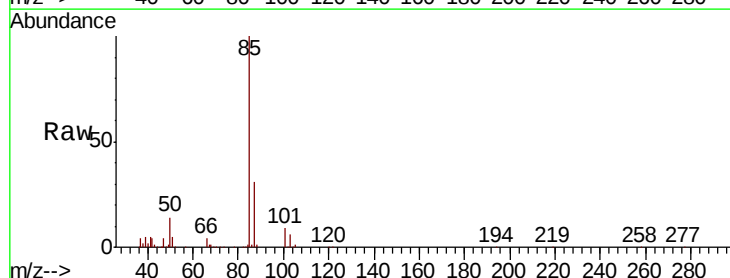
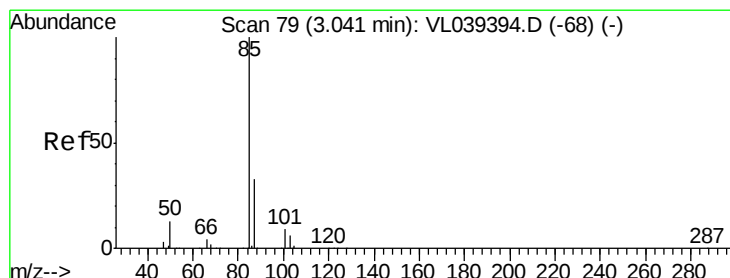
Acq: 20 Jul 2022 15:57

Tgt Ion: 85 Resp: 954299

Ion Ratio Lower Upper

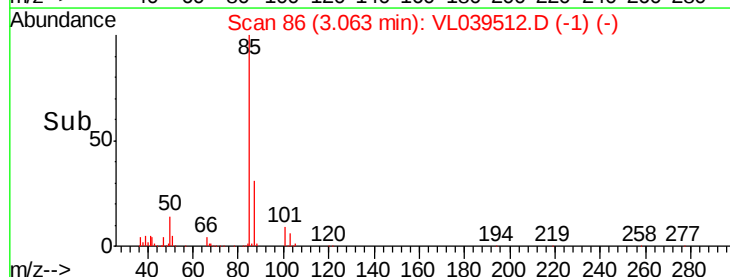
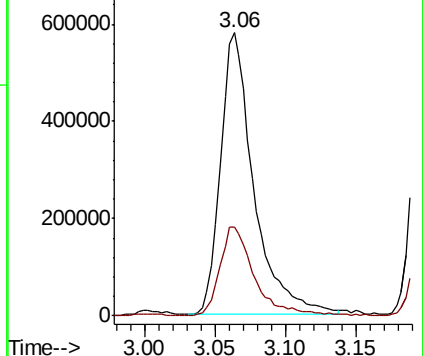
85 100

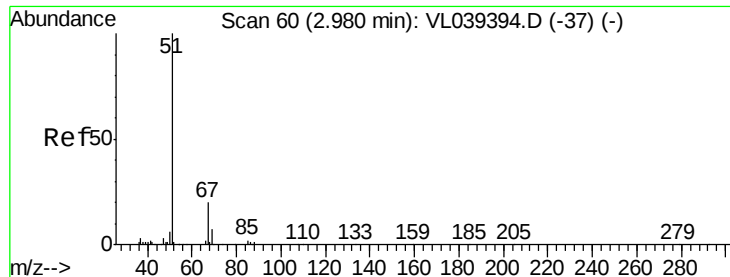
87 31.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.391 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

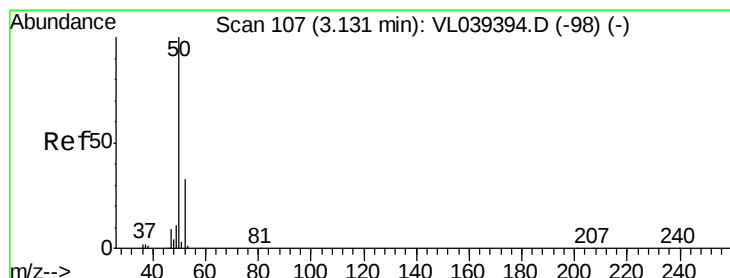
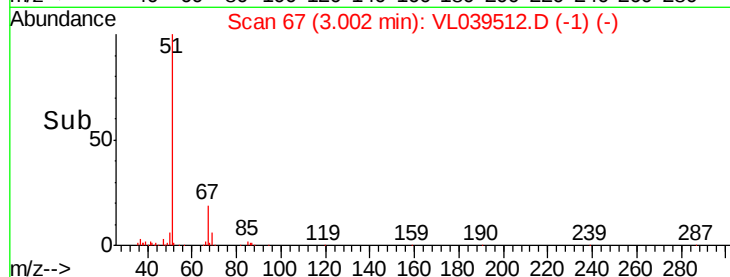
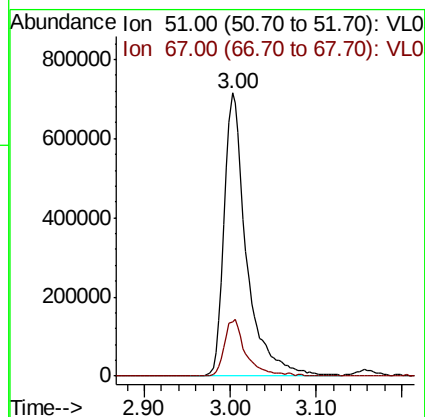
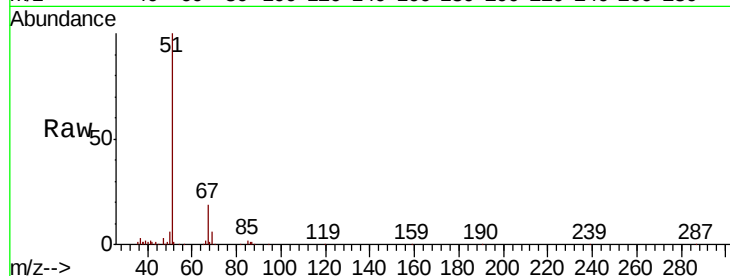
Acq: 20 Jul 2022 15:57 VL0720ABS01

Tot Ion: 51 Resp: 1294774

Ion Ratio Lower Upper

51 100

67 19.6 15.7 23.5



#4

Chloromethane

Concen: 10.510 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL039512.D

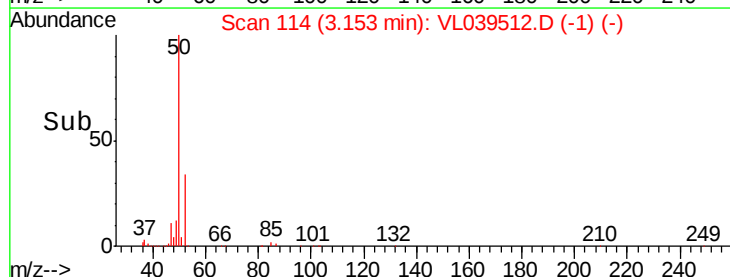
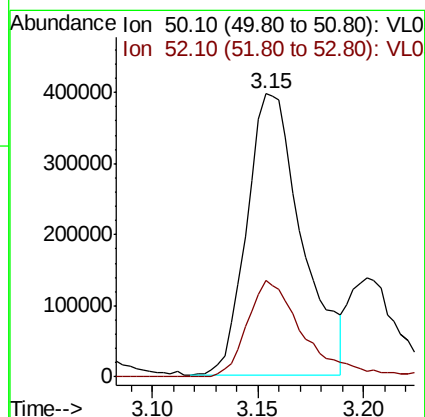
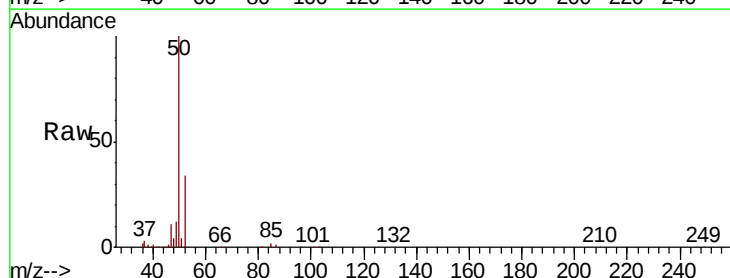
Acq: 20 Jul 2022 15:57

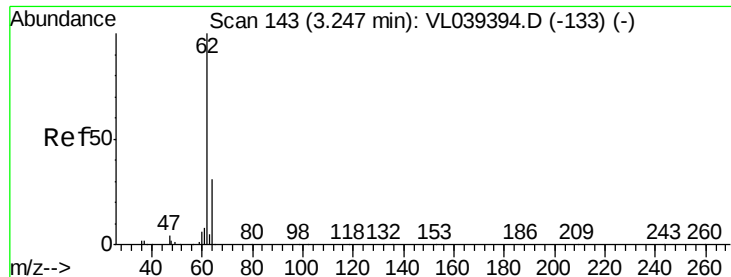
Tgt Ion: 50 Resp: 716214

Ion Ratio Lower Upper

50 100

52 34.5 26.5 39.7





#5

Vinyl Chloride

Concen: 10.011 ppbv

RT: 3.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

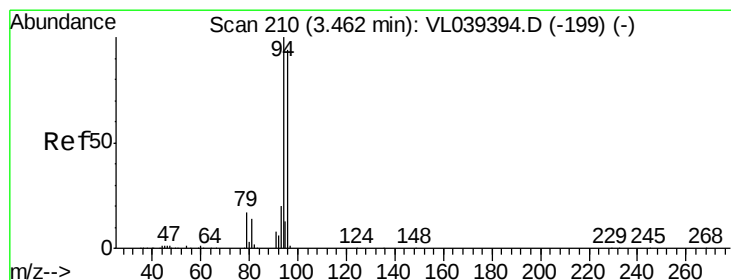
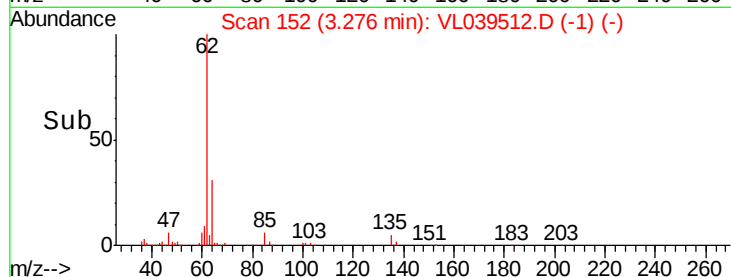
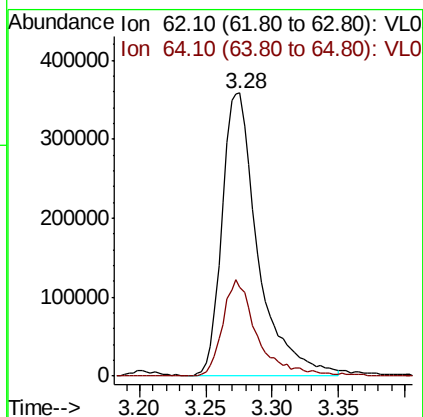
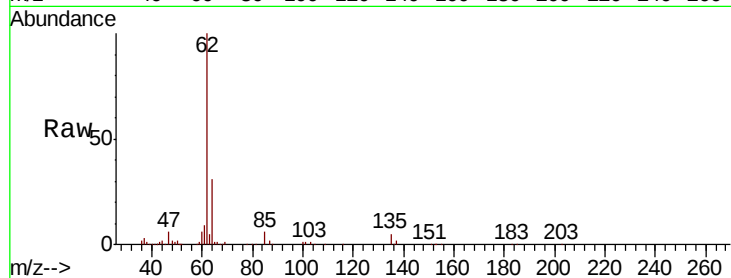
Acq: 20 Jul 2022 15:57 VL0720ABS01

Tot Ion: 62 Resp: 672723

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8



#6

Bromomethane

Concen: 10.885 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.03 min

Lab File: VL039512.D

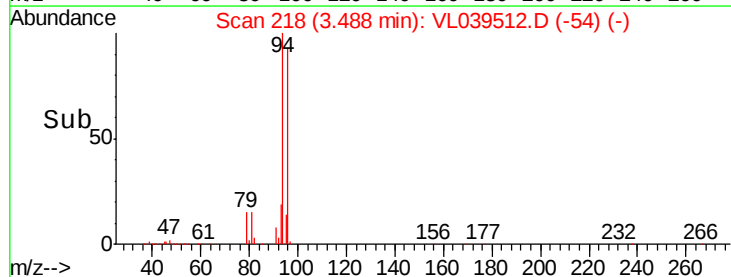
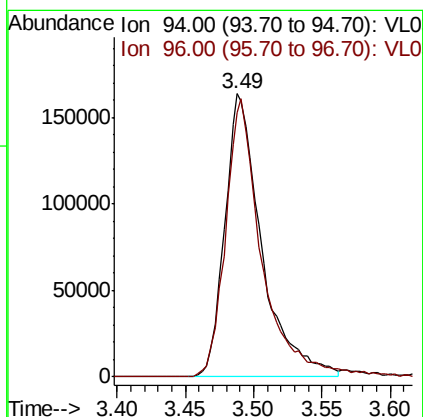
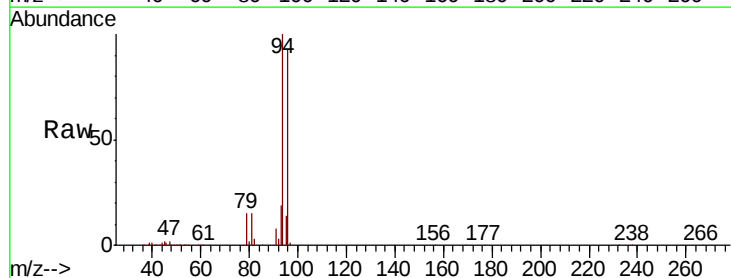
Acq: 20 Jul 2022 15:57

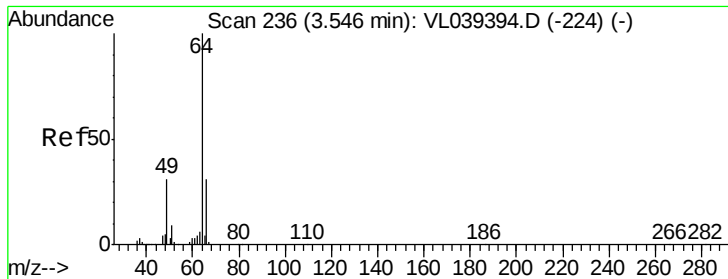
Tgt Ion: 94 Resp: 307852

Ion Ratio Lower Upper

94 100

96 93.3 75.6 113.4





#7

Chloroethane

Concen: 10.428 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

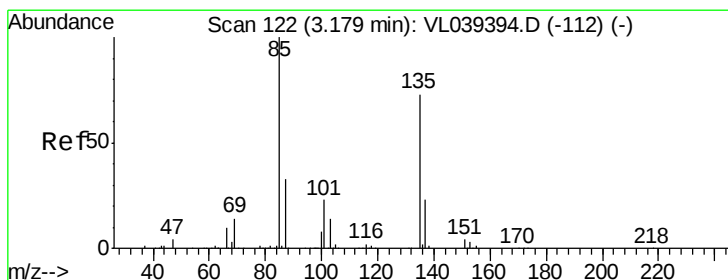
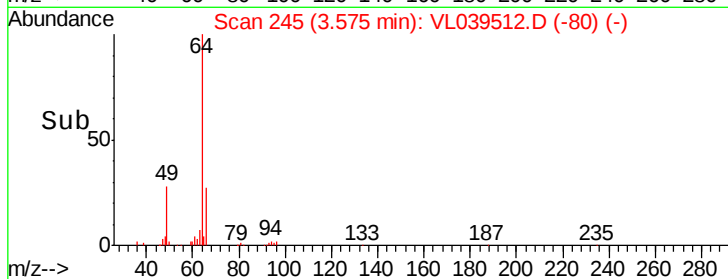
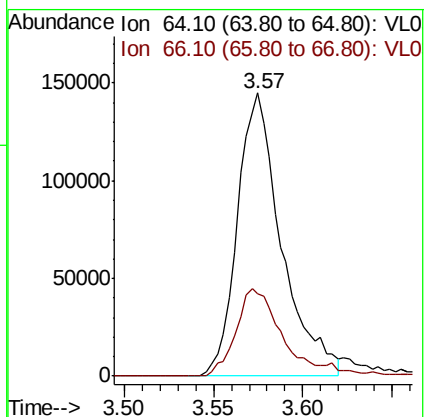
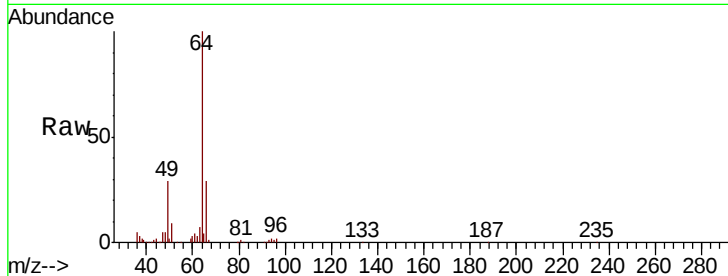
Acq: 20 Jul 2022 15:57 VL0720ABS01

Tot Ion: 64 Resp: 249256

Ion Ratio Lower Upper

64 100

66 29.0 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.512 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.02 min

Lab File: VL039512.D

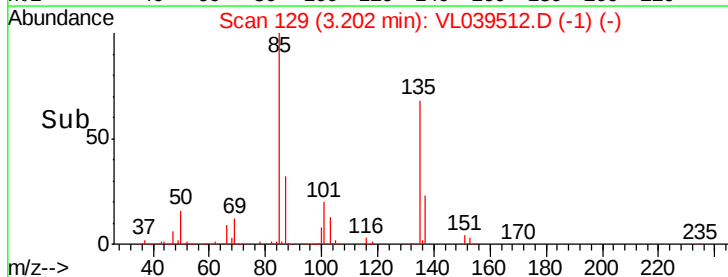
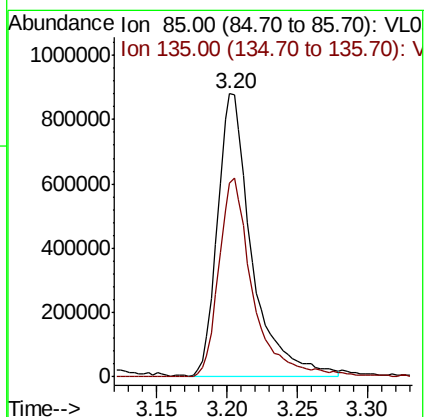
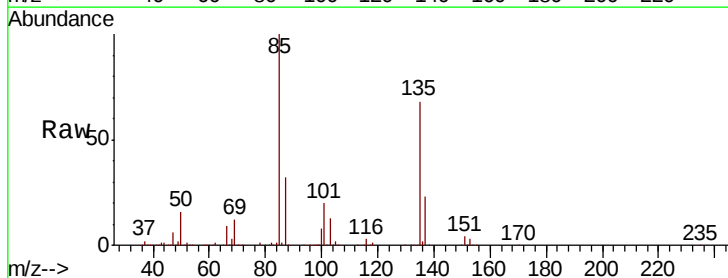
Acq: 20 Jul 2022 15:57

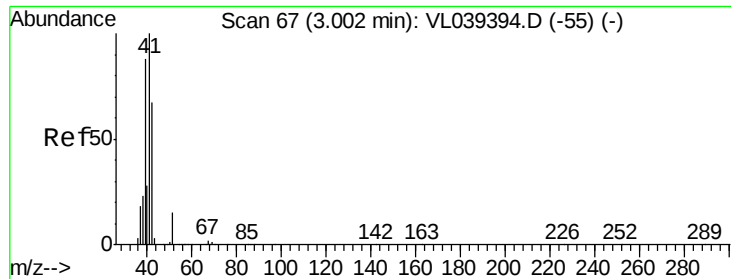
Tgt Ion: 85 Resp: 1471922

Ion Ratio Lower Upper

85 100

135 71.5 59.0 88.4





#9

Propene

Concen: 10.015 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.04 min

Lab File: VL0720ABS01 ClientSampleId:

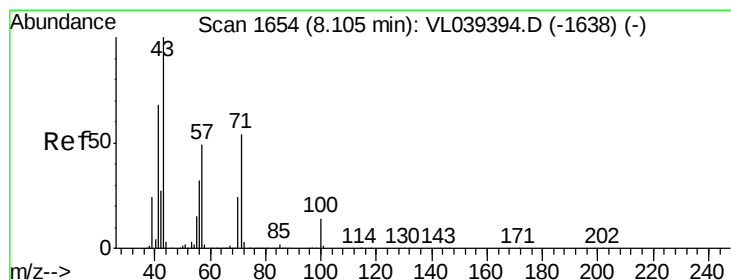
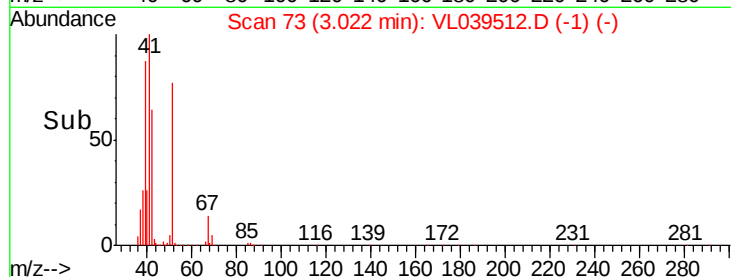
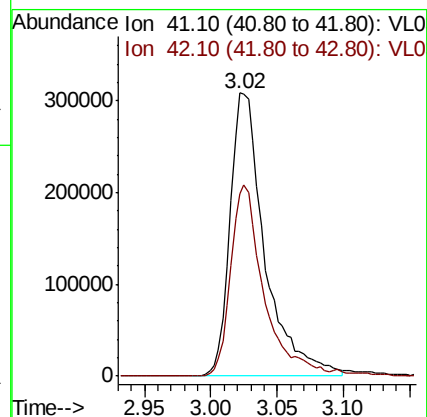
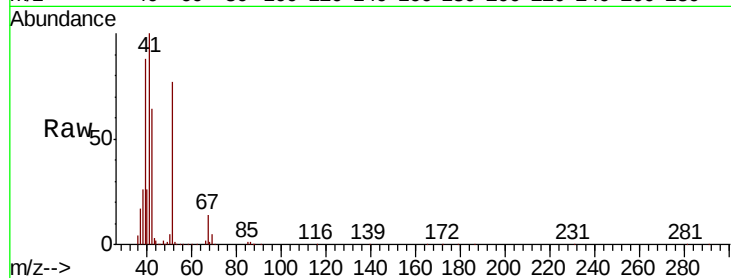
Acq: 20 Jul 2022 15:57

Tot Ion: 41 Resp: 563562

Ion Ratio Lower Upper

41 100

42 65.9 55.2 82.8



#10

Heptane

Concen: 11.065 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.04 min

Lab File: VL039512.D

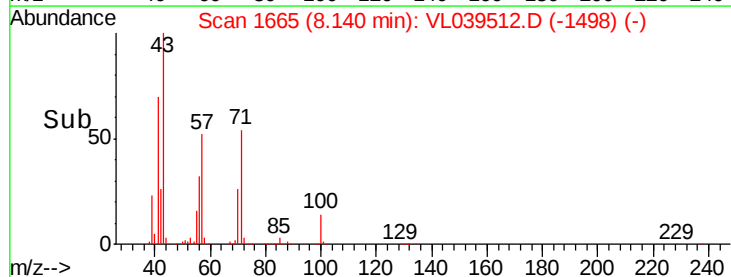
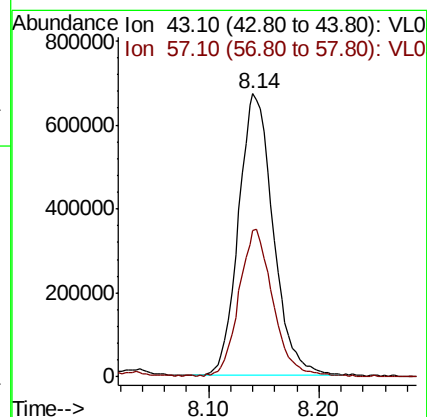
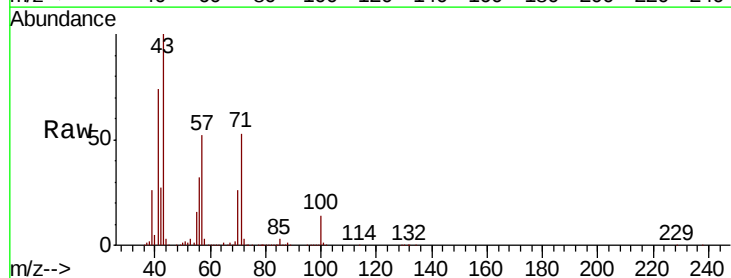
Acq: 20 Jul 2022 15:57

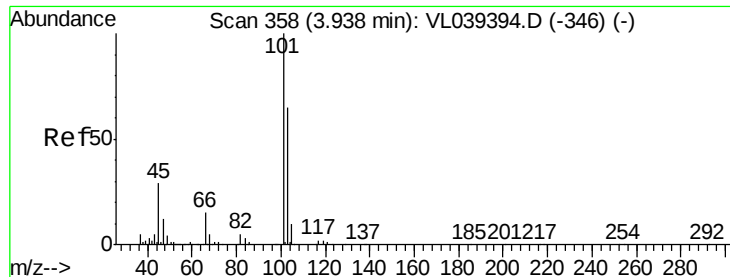
Tgt Ion: 43 Resp: 1458269

Ion Ratio Lower Upper

43 100

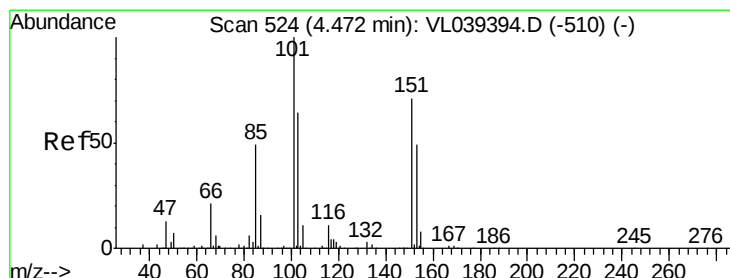
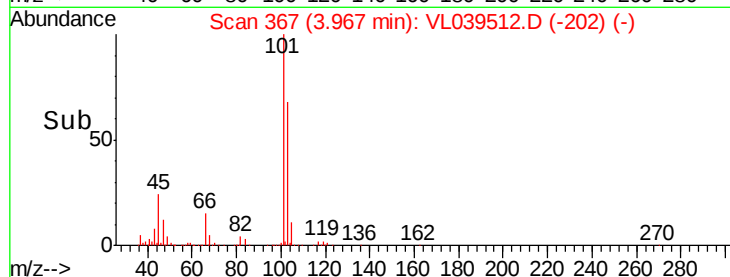
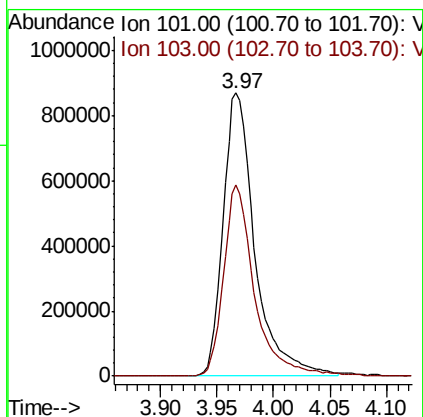
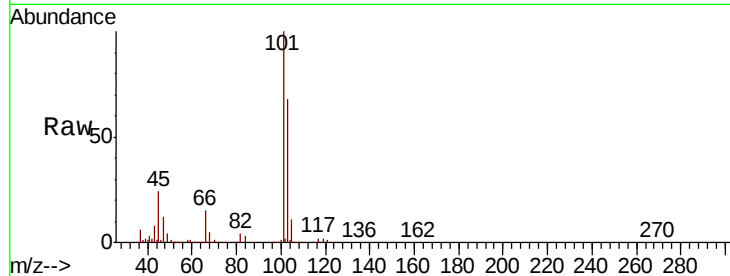
57 51.8 40.5 60.7





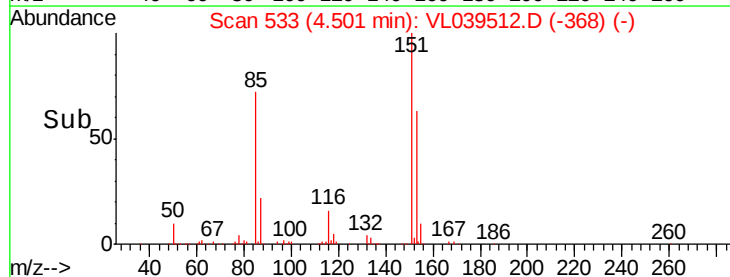
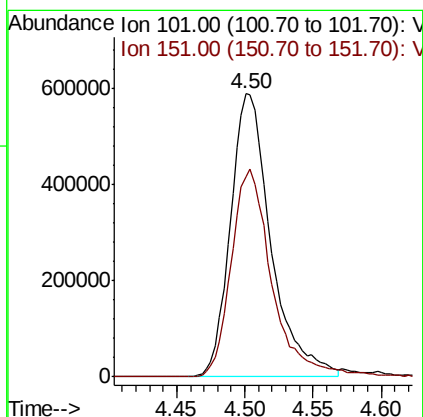
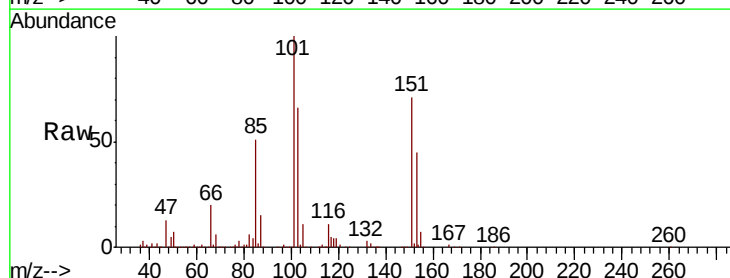
#11
 Trichlorofluoromethane
 Concen: 10.807 ppbv
 RT: 3.97 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0720ABS01
 Acq: 20 Jul 2022 15:57

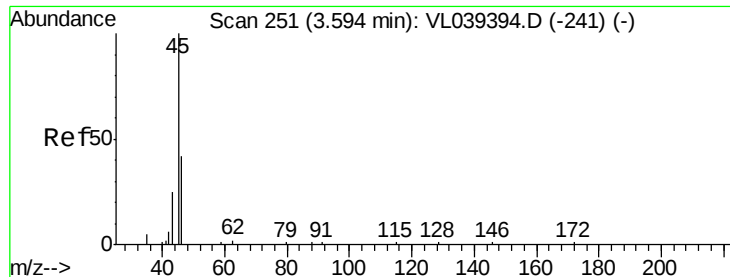
Tot Ion:101 Resp: 1705988
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.315 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T.: 0.03 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

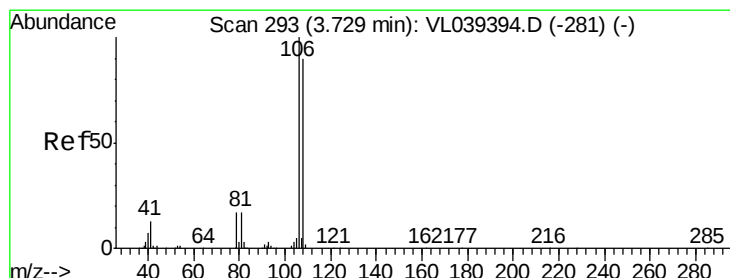
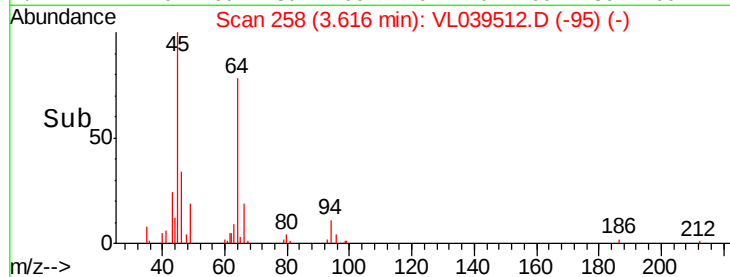
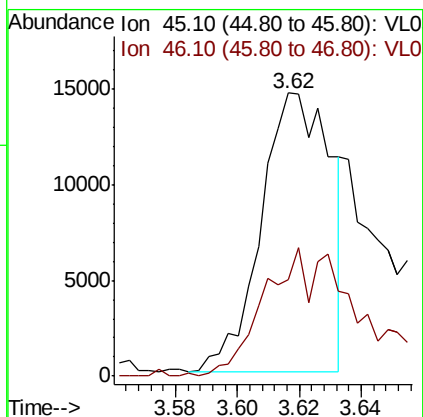
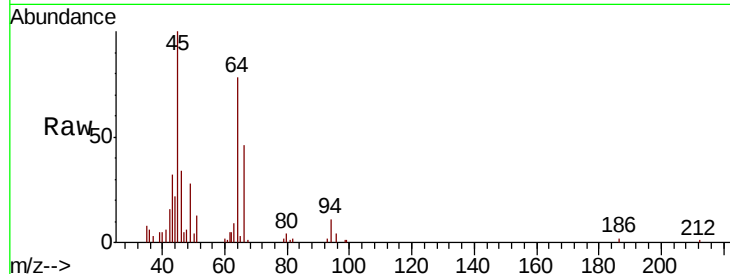
Tgt Ion:101 Resp: 1213821
 Ion Ratio Lower Upper
 101 100
 151 74.7 58.9 88.3





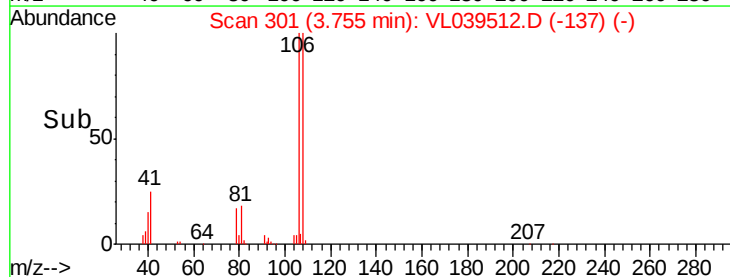
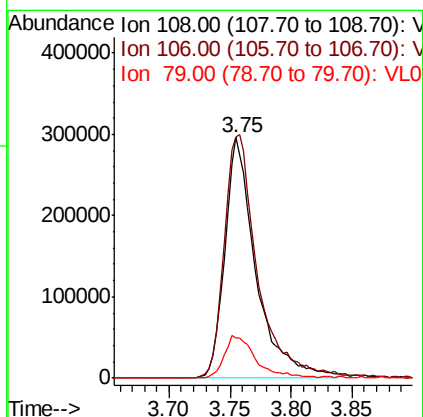
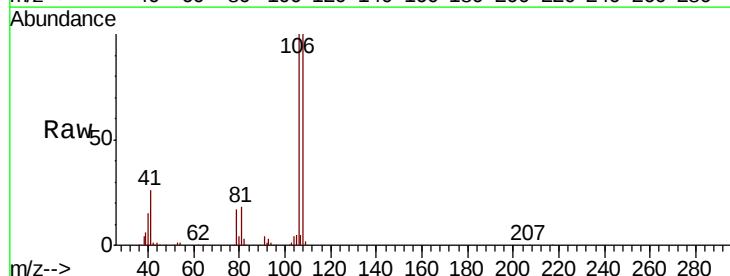
#13
Ethanol
Concen: 6.997 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 20 Jul 2022 15:57

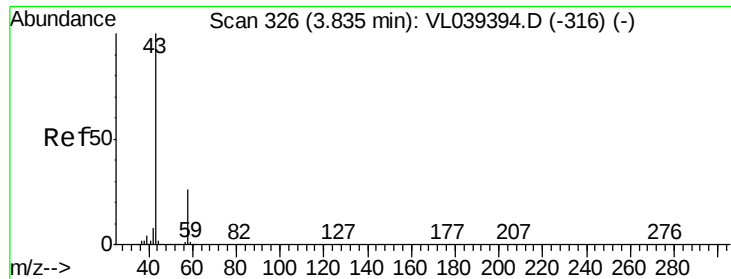
Tot Ion: 45 Resp: 22844
Ion Ratio Lower Upper
45 100
46 74.9 22.8 91.2



#14
Bromoethene
Concen: 10.727 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.03 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

Tgt Ion: 108 Resp: 530677
Ion Ratio Lower Upper
108 100
106 109.8 87.1 130.7
79 18.7 14.6 22.0





#15

Acetone

Concen: 10.712 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

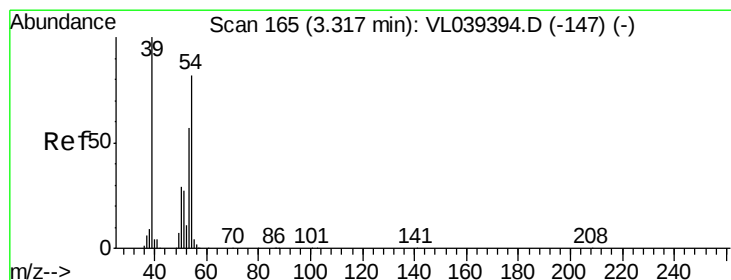
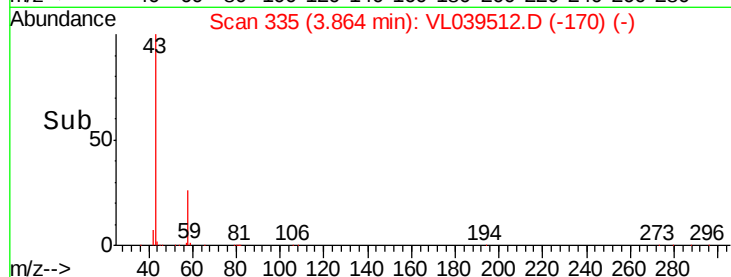
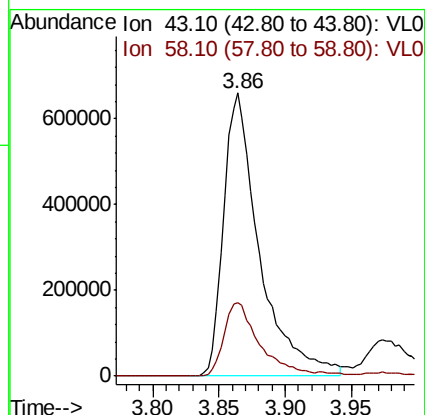
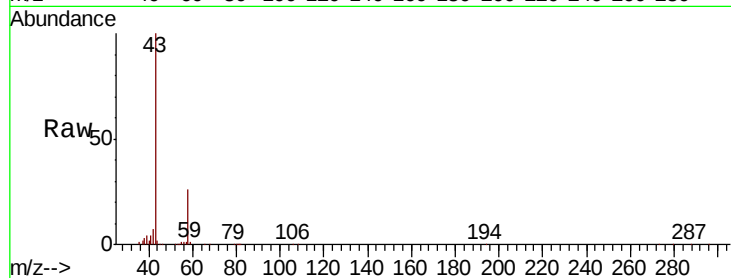
Acq: 20 Jul 2022 15:57 VL0720ABS01

Tot Ion: 43 Resp: 1244688

Ion Ratio Lower Upper

43 100

58 26.5 21.0 31.6



#16

1,3-Butadiene

Concen: 10.565 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.03 min

Lab File: VL039512.D

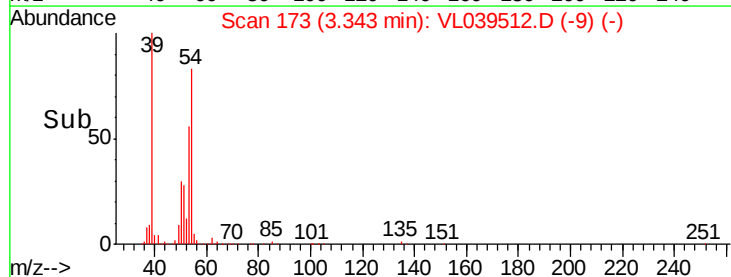
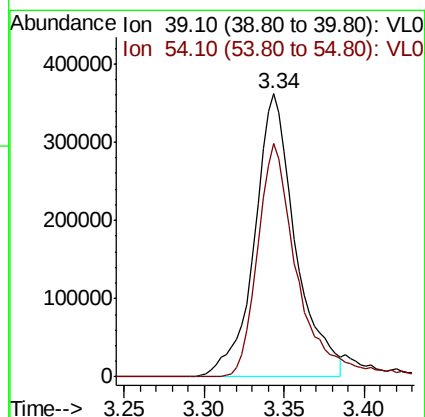
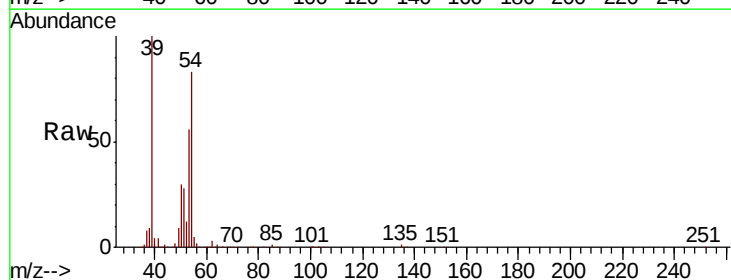
Acq: 20 Jul 2022 15:57

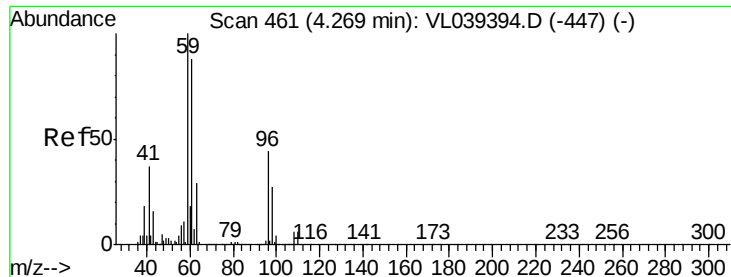
Tgt Ion: 39 Resp: 636908

Ion Ratio Lower Upper

39 100

54 81.8 63.7 95.5





#17

tert-Butyl alcohol

Concen: 12.203 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

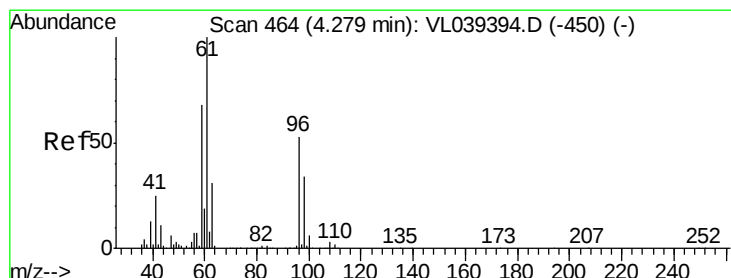
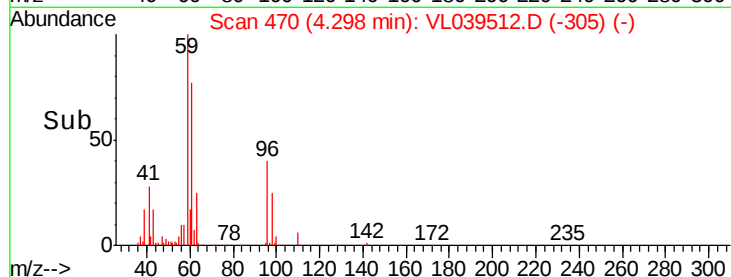
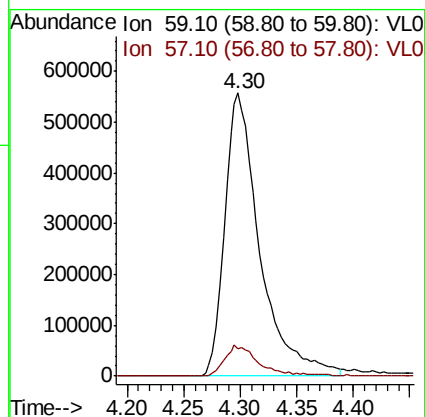
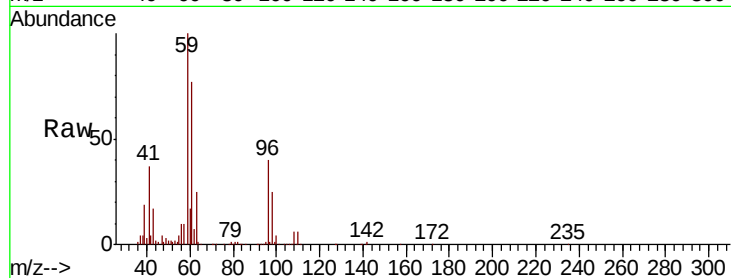
Acq: 20 Jul 2022 15:57 VL0720ABS01

Tot Ion: 59 Resp: 1203423

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



#18

1,1-Dichloroethene

Concen: 10.379 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.03 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

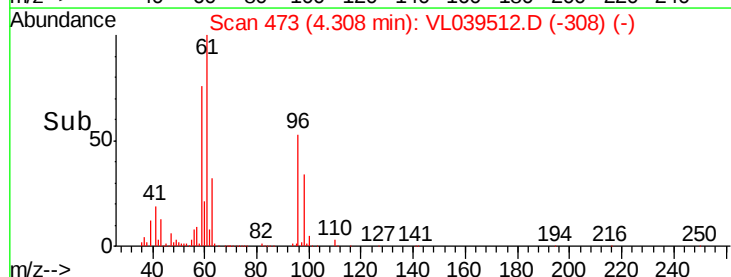
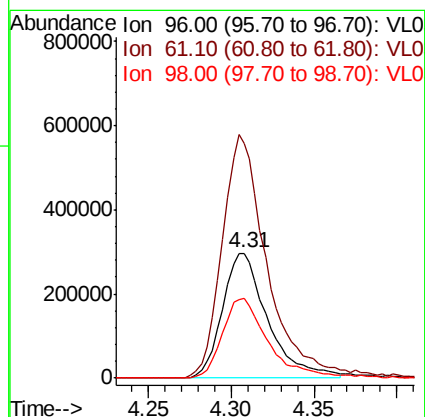
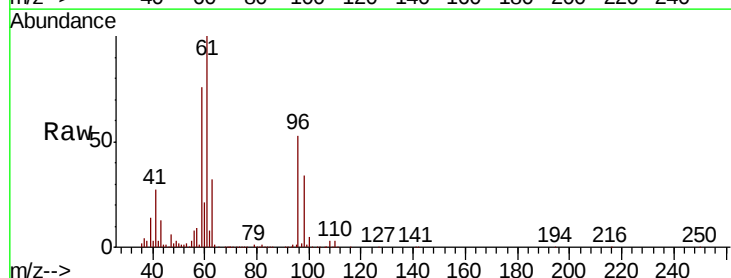
Tgt Ion: 96 Resp: 553362

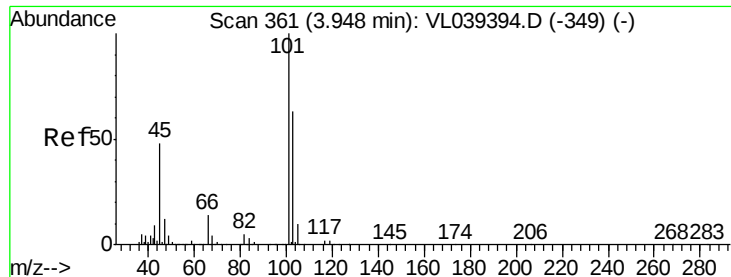
Ion Ratio Lower Upper

96 100

61 185.9 152.2 228.4

98 63.0 51.8 77.6





#19

Isopropyl Alcohol

Concen: 10.845 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

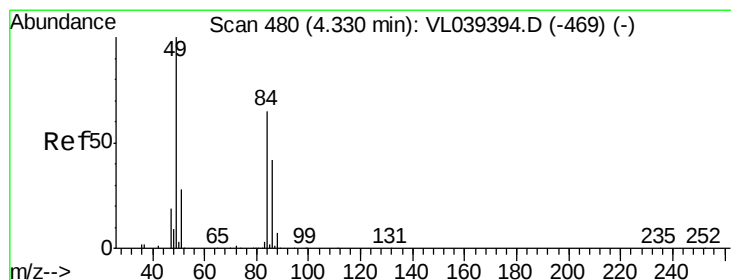
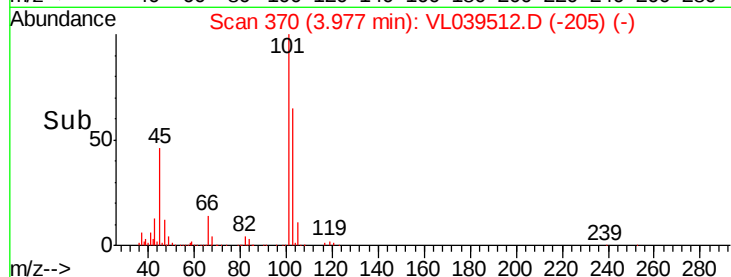
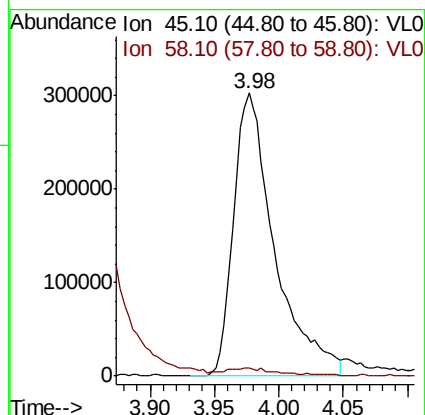
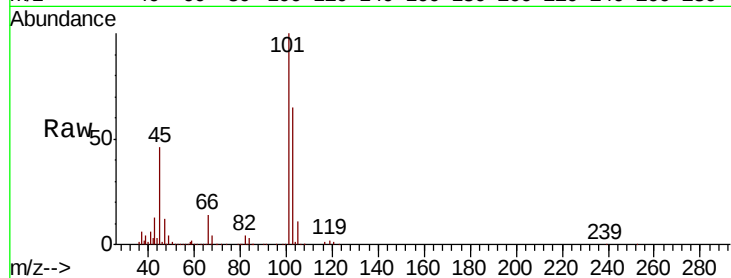
Acq: 20 Jul 2022 15:57 VL0720ABS01

Tot Ion: 45 Resp: 672156

Ion Ratio Lower Upper

45 100

58 3.1 3.2 4.8#



#20

Methylene Chloride

Concen: 10.266 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.03 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Tgt Ion: 84 Resp: 475452

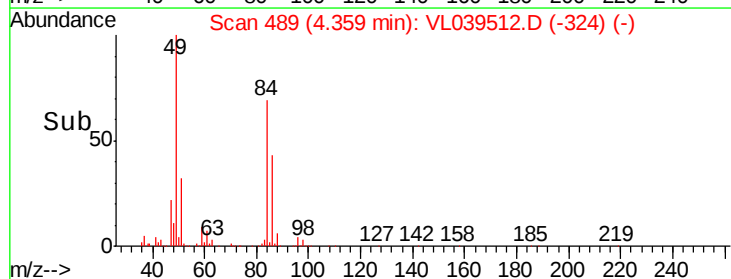
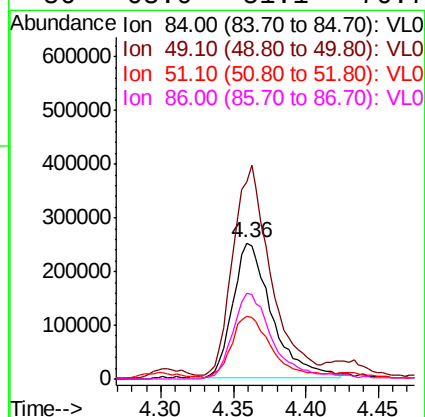
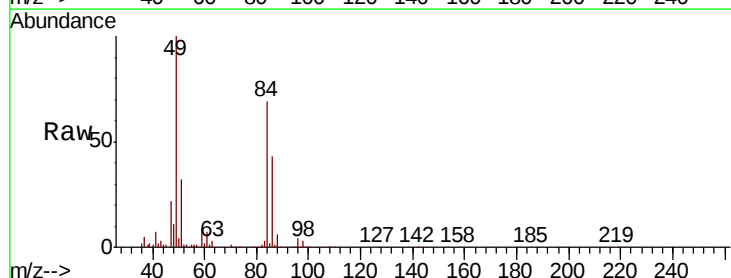
Ion Ratio Lower Upper

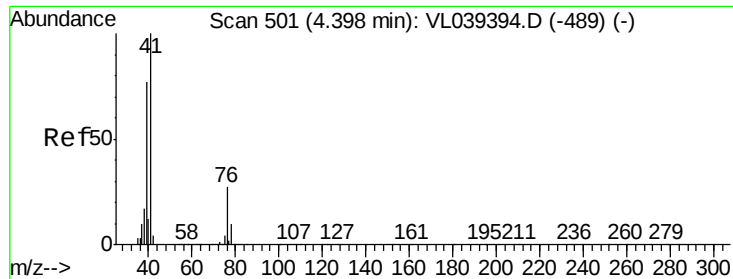
84 100

49 142.3 123.1 184.7

51 45.1 34.4 51.6

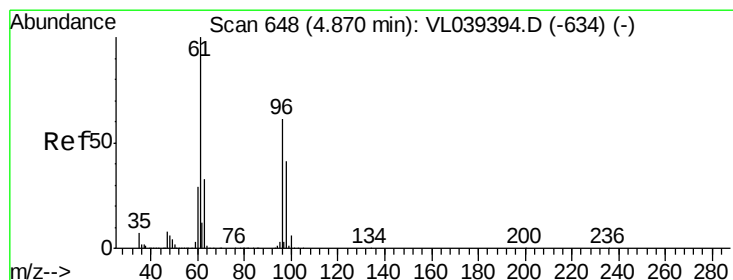
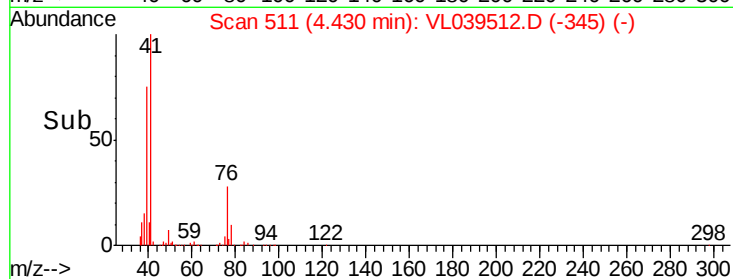
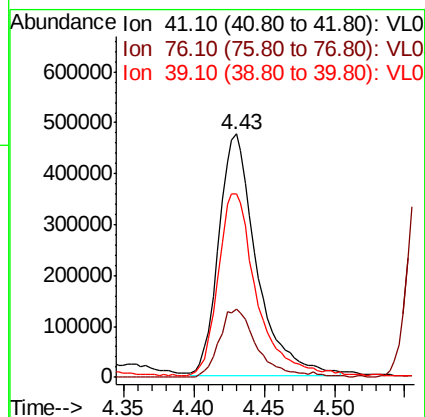
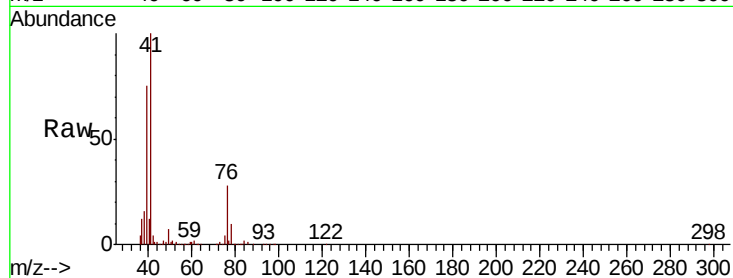
86 63.0 51.1 76.7





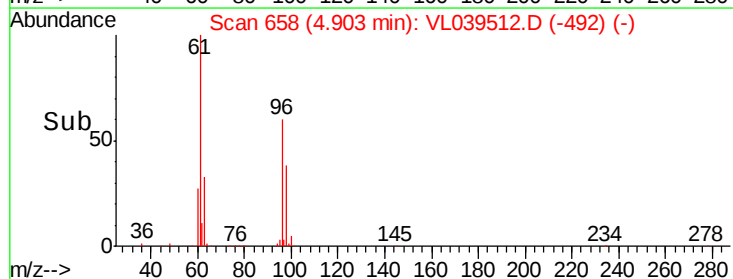
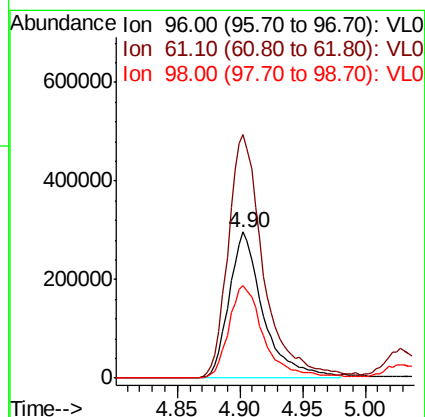
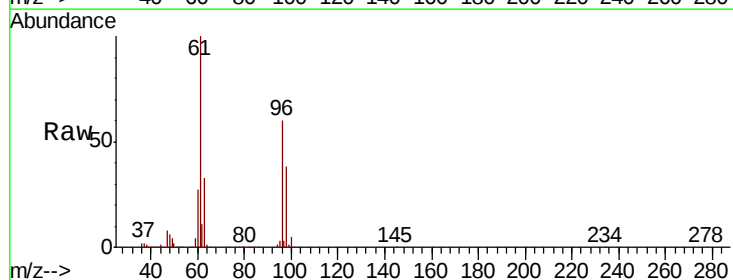
#21
 Allvl Chloride
 Concen: 11.036 ppbv
 RT: 4.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0720ABS01
 Acq: 20 Jul 2022 15:57

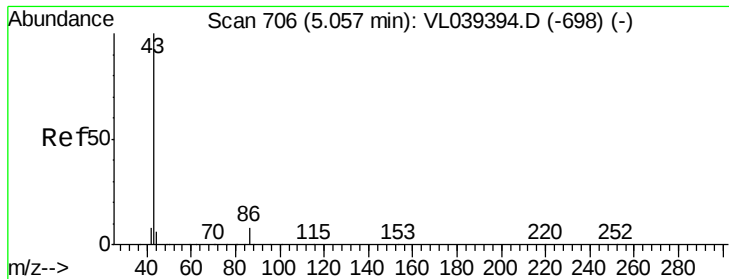
Tot Ion: 41 Resp: 888136
 Ion Ratio Lower Upper
 41 100
 76 28.8 24.4 36.6
 39 77.4 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 10.834 ppbv
 RT: 4.90 min Scan# 658
 Delta R.T. 0.03 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

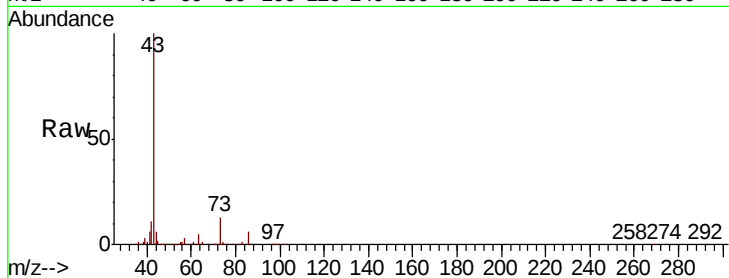
Tgt Ion: 96 Resp: 559099
 Ion Ratio Lower Upper
 96 100
 61 166.9 130.6 195.8
 98 63.2 53.4 80.0



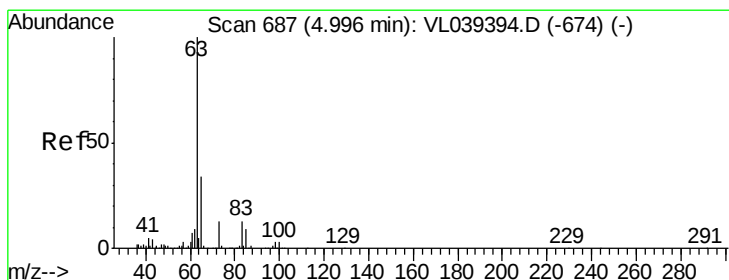
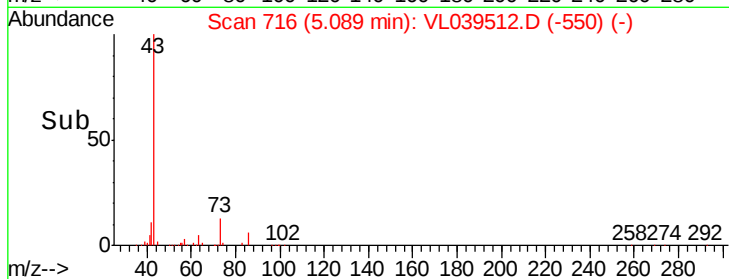
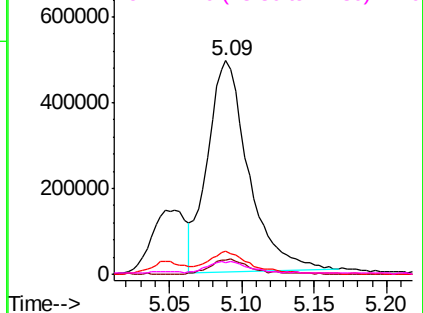


#23
 Vinyl Acetate
 Concen: 12.473 ppbv
 RT: 5.09
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VL0720ABS01
 Acq: 20 Jul 2022 15:57

Tot Ion:	43	Resp:	968508
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.0	7.6
42	10.7	7.7	11.5
44	5.2	4.6	7.0

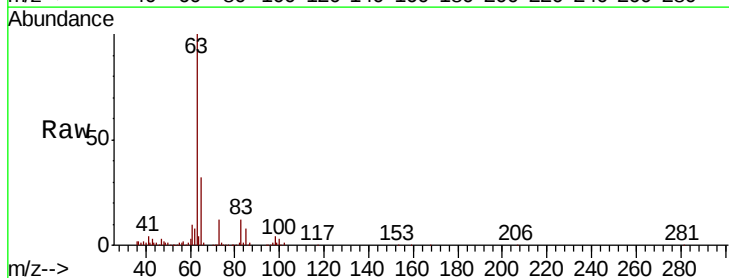


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

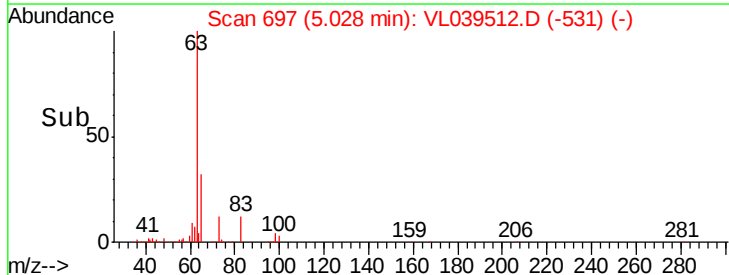
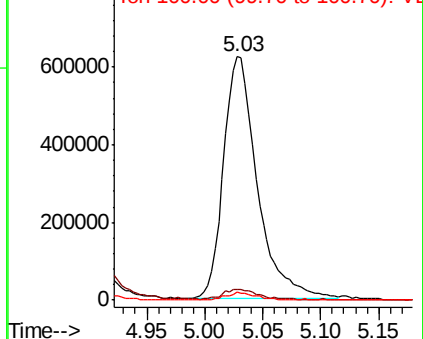


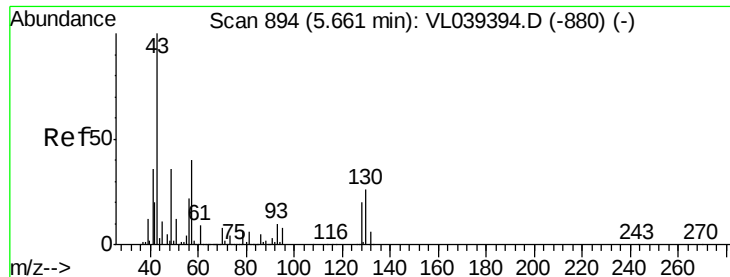
#24
 1,1-Dichloroethane
 Concen: 11.501 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T.: 0.03 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

Tgt Ion:	63	Resp:	1261244
Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.8	5.3
100	3.3	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

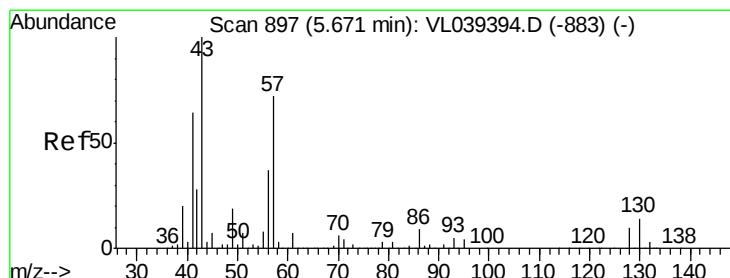
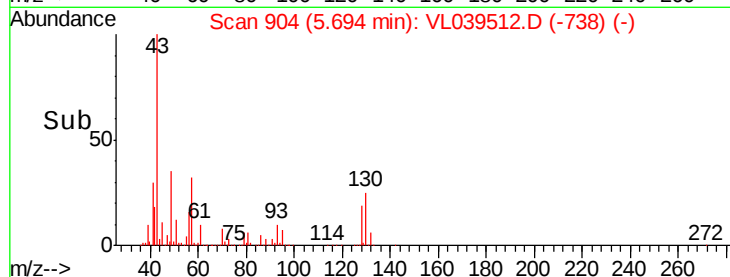
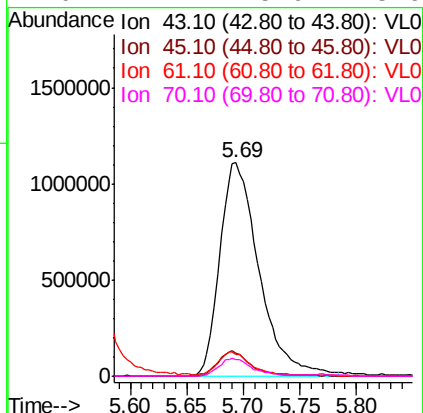
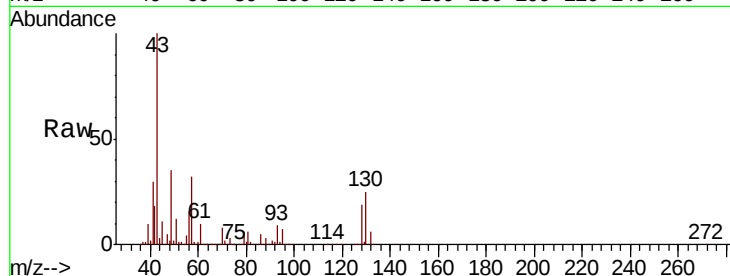




#25
Ethyl Acetate
Concen: 11.217 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0720ABS01
Acq: 20 Jul 2022 15:57

Tot Ion: 43 Resp: 2672380

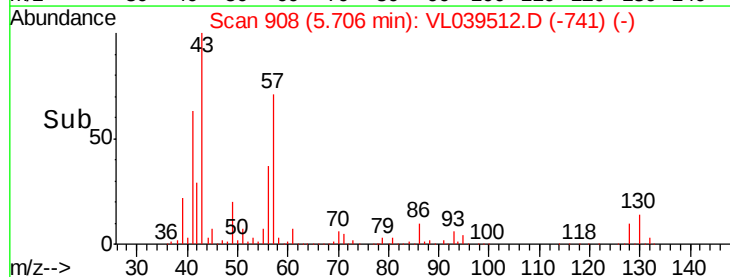
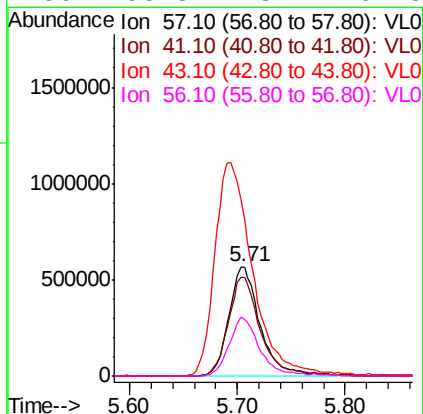
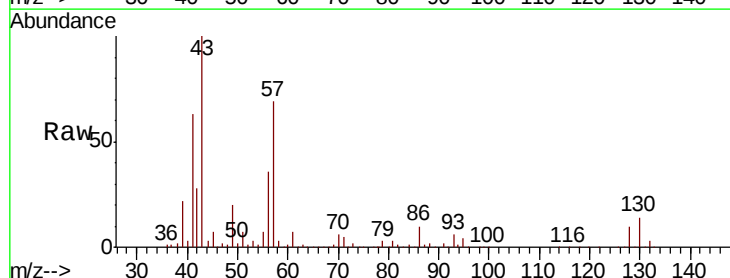
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.9	8.3	12.5
70	7.2	5.9	8.9

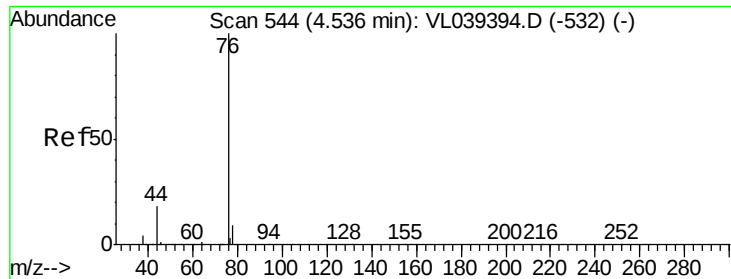


#26
Hexane
Concen: 11.894 ppbv
RT: 5.71 min Scan# 908
Delta R.T.: 0.04 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

Tgt Ion: 57 Resp: 1142209

Ion	Ratio	Lower	Upper
57	100		
41	94.7	76.9	115.3
43	238.8	191.0	286.6
56	53.3	43.2	64.8

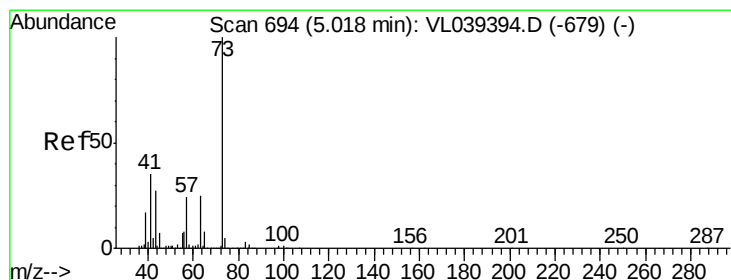
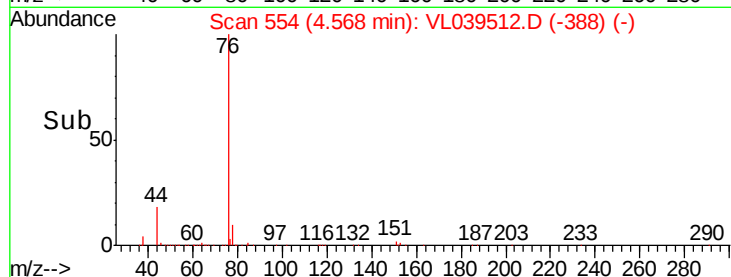
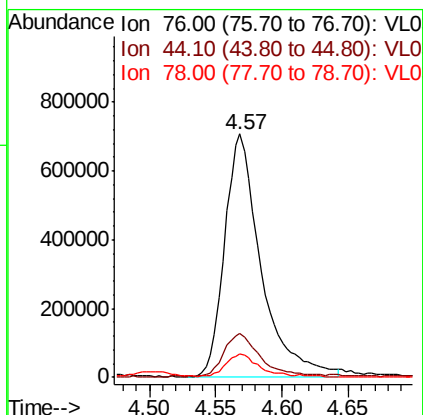
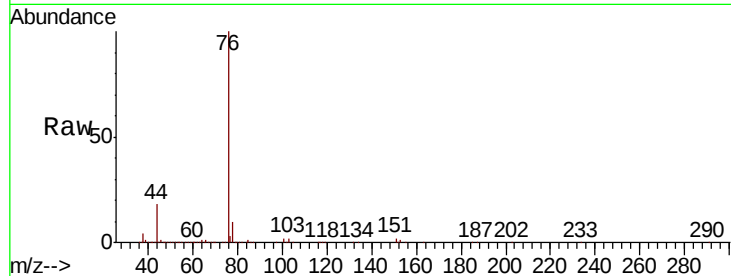




#27
Carbon Disulfide
Concen: 11.663 ppbv
RT: 4.57
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 15:57

Tot Ion: 76 Resp: 1351949

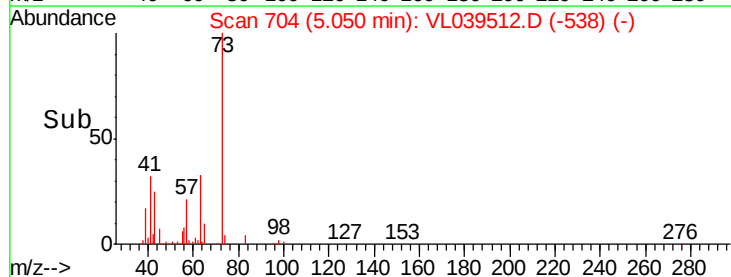
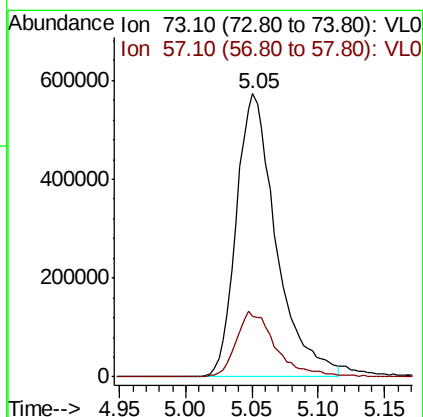
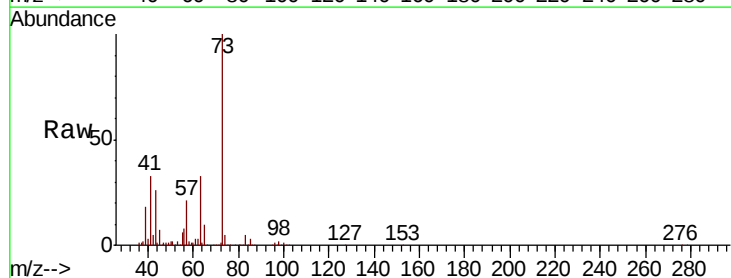
Ion	Ratio	Lower	Upper
76	100		
44	19.3	14.6	21.8
78	9.5	7.8	11.6

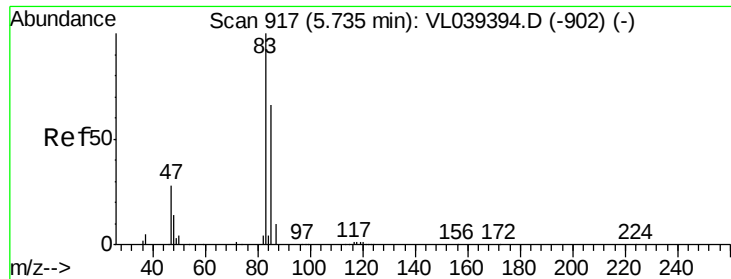


#28
Methyl tert-Butyl Ether
Concen: 11.671 ppbv
RT: 5.05 min Scan# 704
Delta R.T. 0.03 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

Tgt Ion: 73 Resp: 1198401

Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.8	29.8





#29

Chloroform

Concen: 10.743 ppbv

RT: 5.77

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

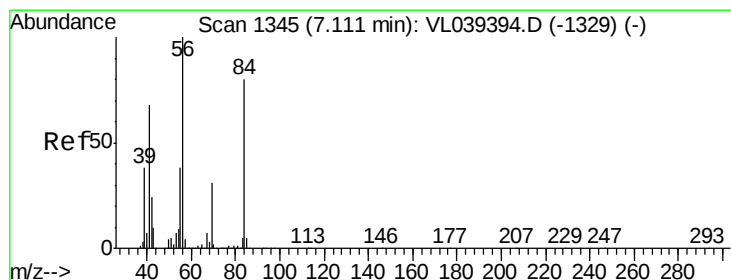
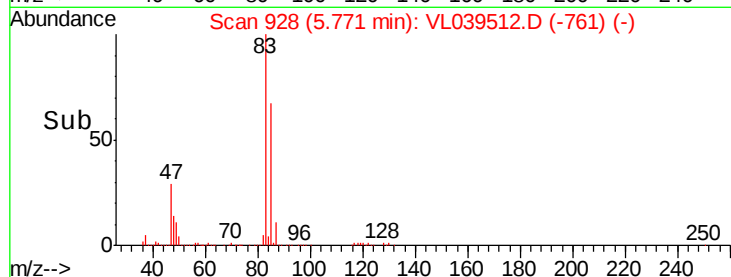
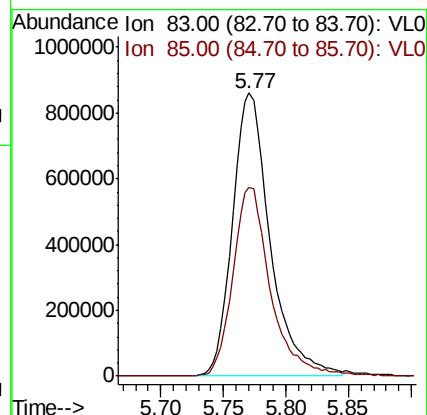
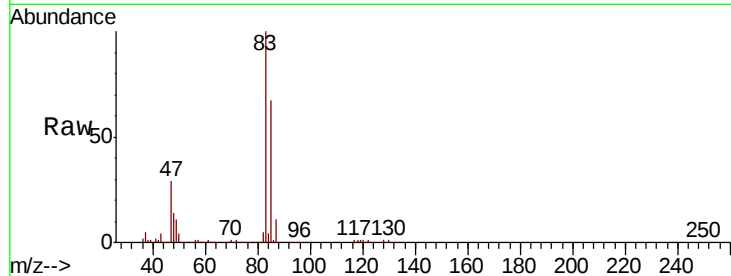
Acq: 20 Jul 2022 15:57

Tot Ion: 83 Resp: 1794068

Ion Ratio Lower Upper

83 100

85 66.4 52.8 79.2



#30

Cyclohexane

Concen: 11.157 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.04 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

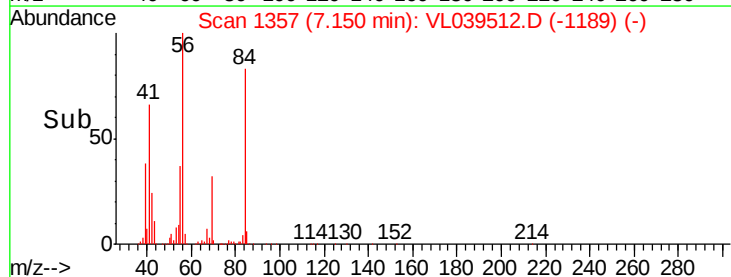
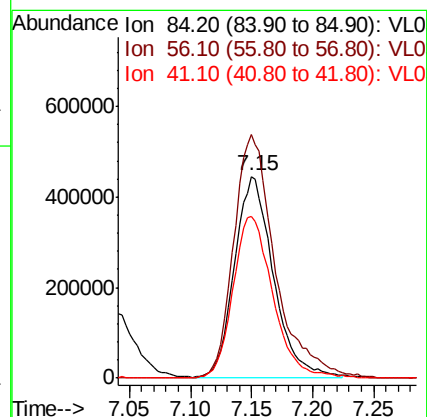
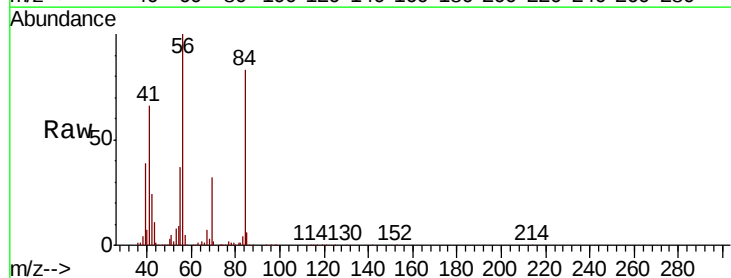
Tgt Ion: 84 Resp: 975433

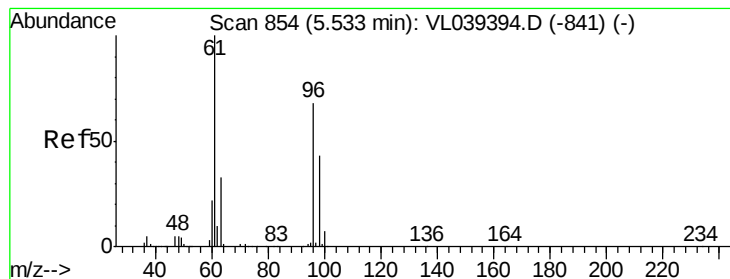
Ion Ratio Lower Upper

84 100

56 130.9 107.7 161.5

41 83.7 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 10.909 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 15:57 VL0720ABS01

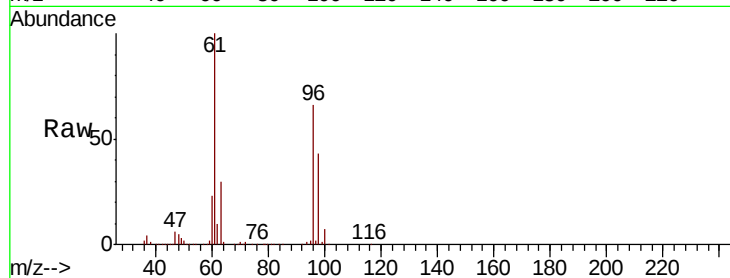
Tot Ion: 61 Resp: 1111633

Ion Ratio Lower Upper

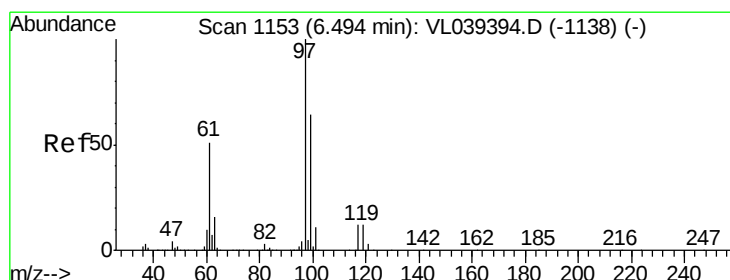
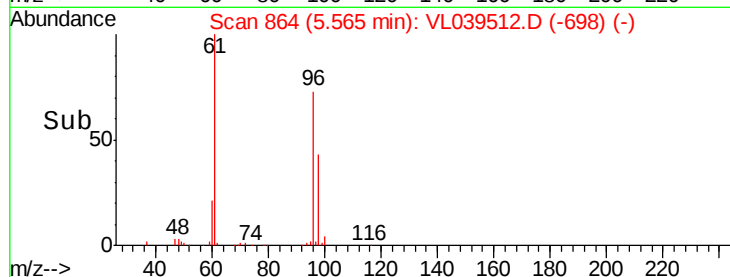
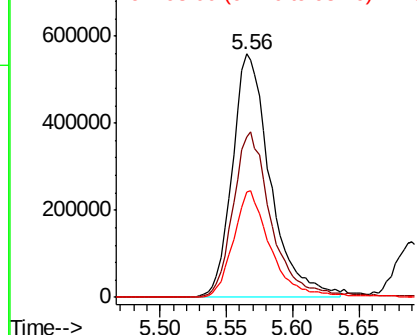
61 100

96 66.1 54.1 81.1

98 43.2 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: 11.140 ppbv

RT: 6.53 min Scan# 1164

Delta R.T. 0.04 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

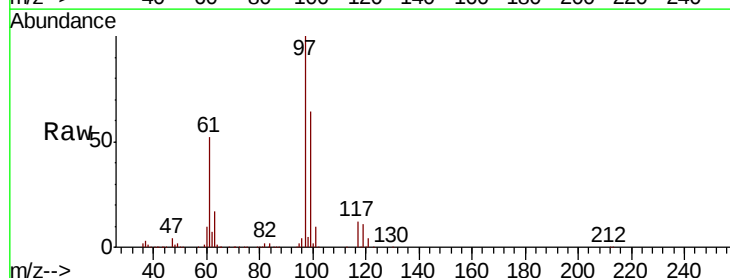
Tgt Ion: 97 Resp: 1836094

Ion Ratio Lower Upper

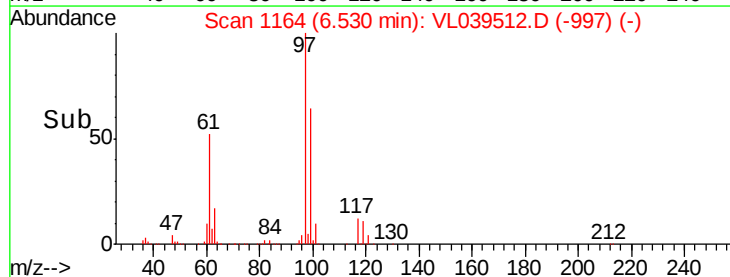
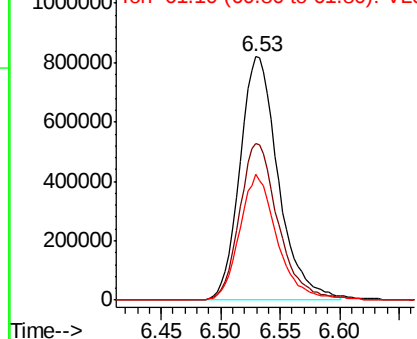
97 100

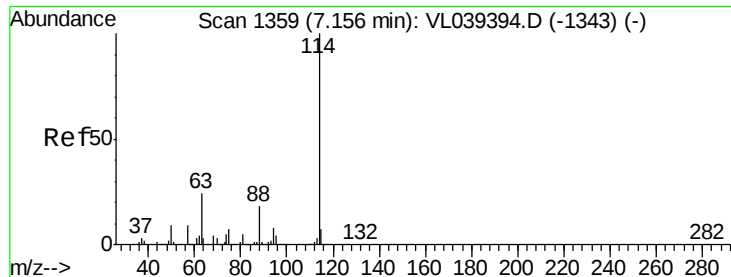
99 65.3 52.3 78.5

61 50.6 40.9 61.3



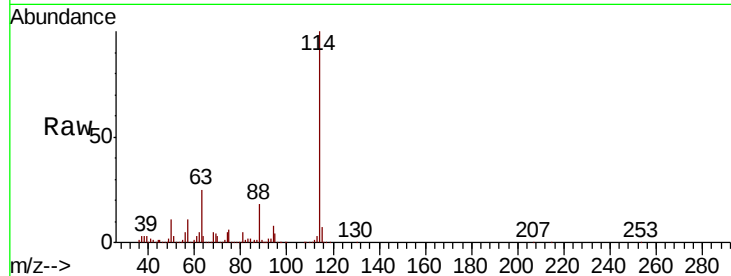
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



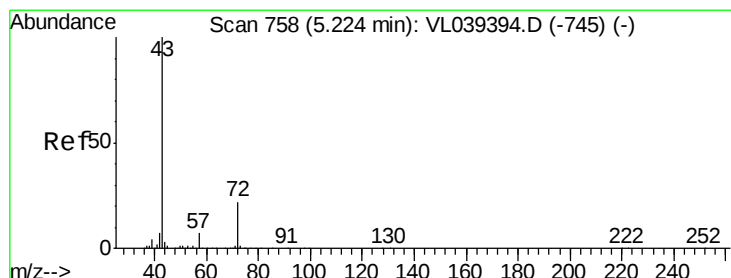
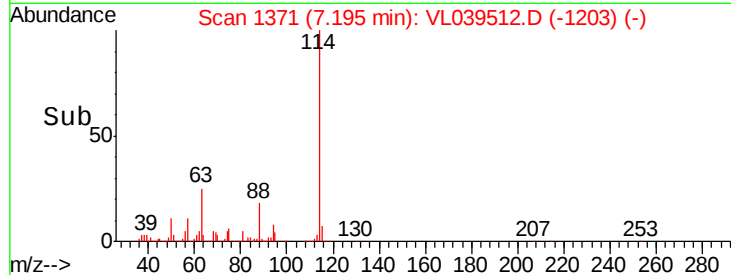
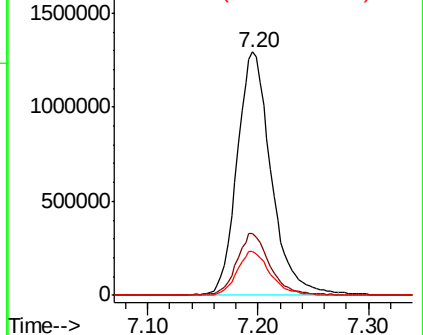


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0720ABS01
 Acq: 20 Jul 2022 15:57

Tot Ion:114 Resp: 2766770
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.2 30.4
 88 17.9 14.5 21.7

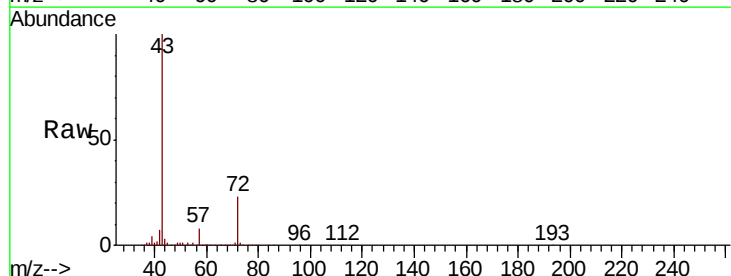


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

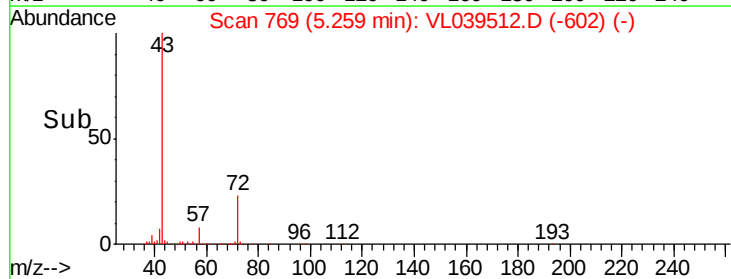
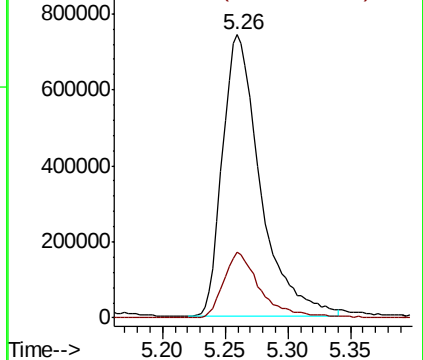


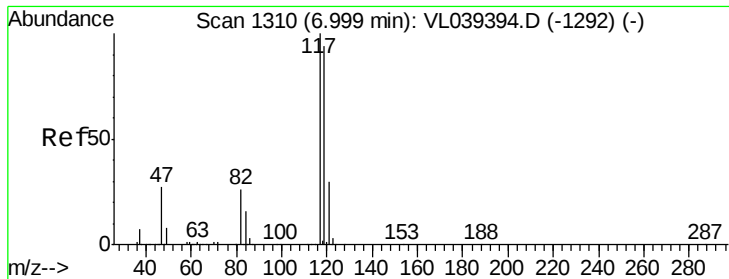
#34
 2-Butanone
 Concen: 11.179 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.04 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

Tgt Ion: 43 Resp: 1556952
 Ion Ratio Lower Upper
 43 100
 72 23.1 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.662 ppbv

RT: 7.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0720ABS01

Acq: 20 Jul 2022 15:57

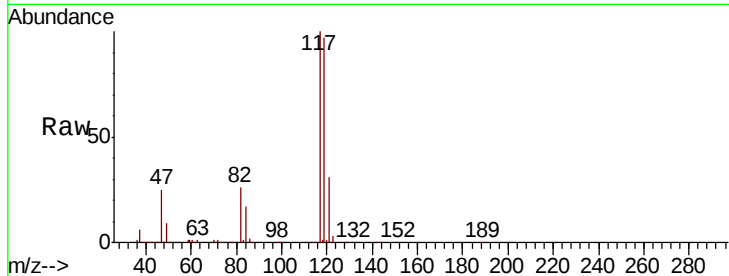
Tot Ion:117 Resp: 1993703

Ion Ratio Lower Upper

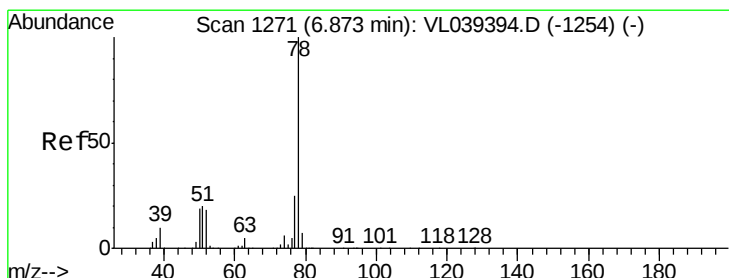
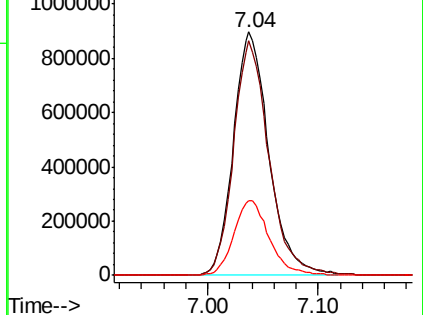
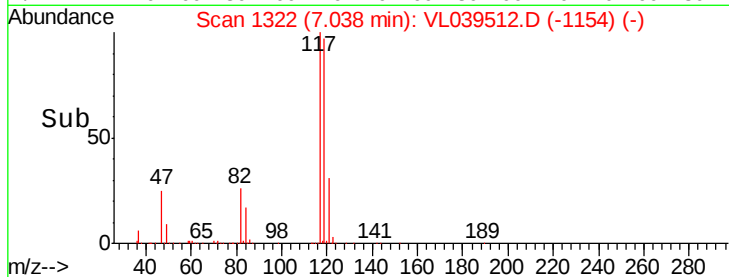
117 100

119 96.5 75.4 113.2

121 30.8 24.2 36.2



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



#36

Benzene

Concen: 10.974 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.04 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

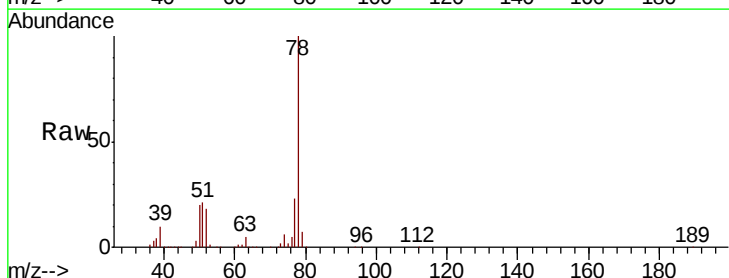
Tgt Ion: 78 Resp: 2349828

Ion Ratio Lower Upper

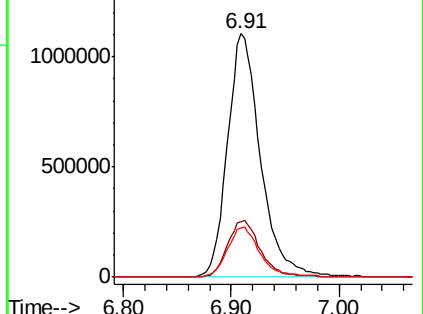
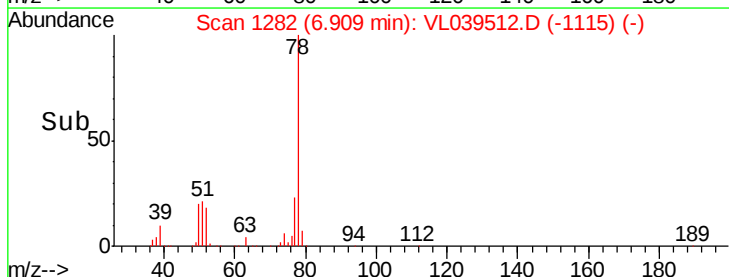
78 100

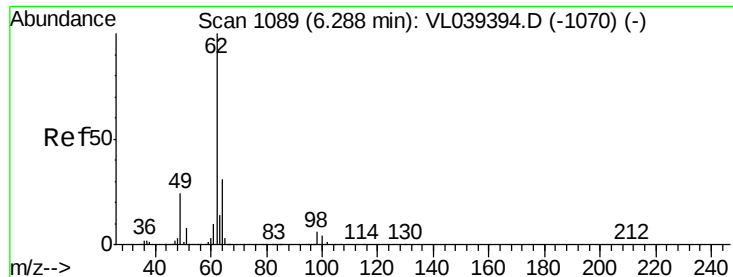
77 22.6 20.3 30.5

50 20.1 15.5 23.3



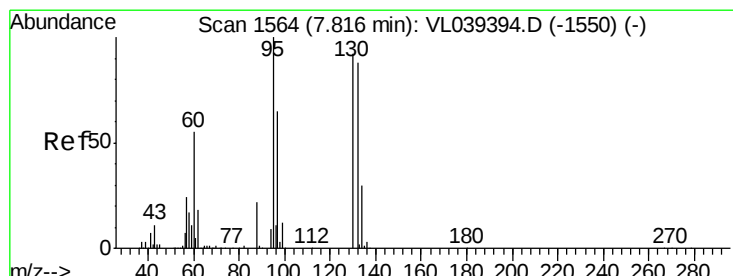
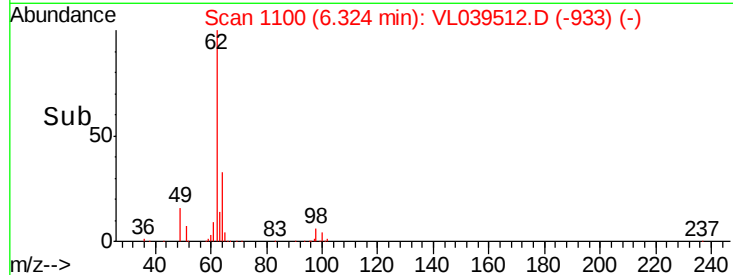
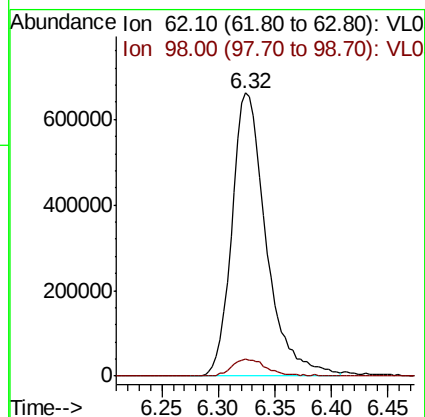
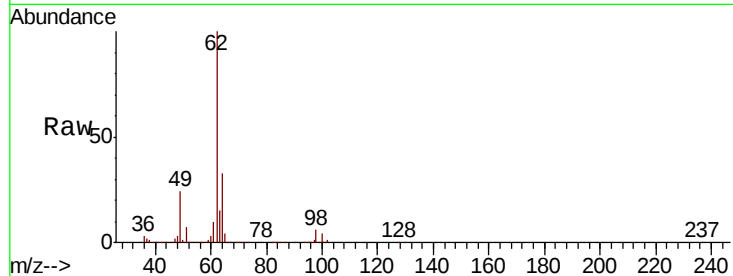
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





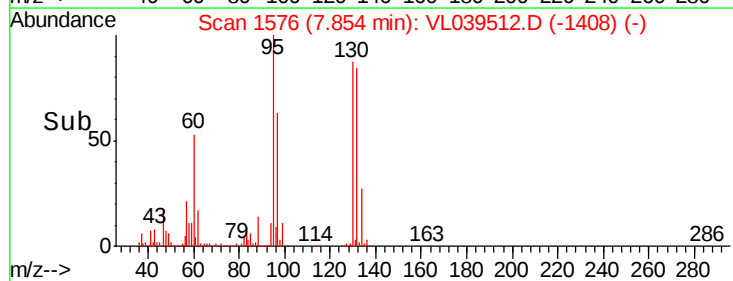
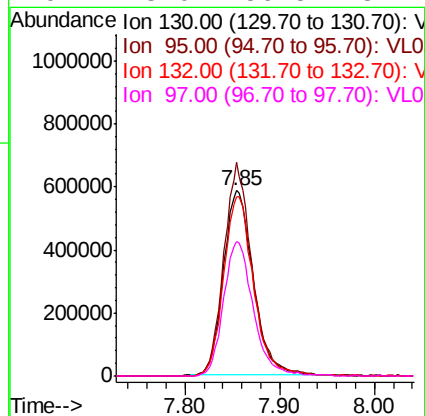
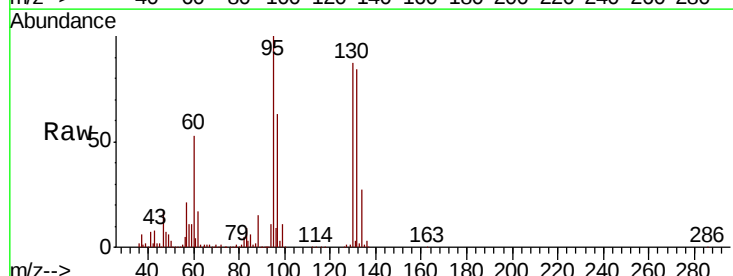
#37
 1,2-Dichloroethane
 Concen: 11.063 ppbv
 RT: 6.32
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL0720ABS01
 Acq: 20 Jul 2022 15:57

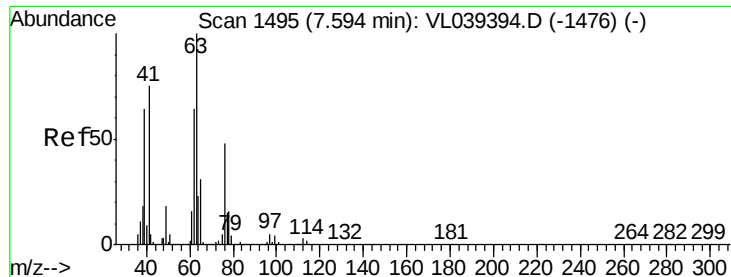
Tot Ion: 62 Resp: 1398218
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.1 7.7



#38
 Trichloroethene
 Concen: 11.099 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.04 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

Tgt Ion:130 Resp: 1285483
 Ion Ratio Lower Upper
 130 100
 95 115.7 87.3 130.9
 132 97.2 76.7 115.1
 97 73.0 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.606 ppbv

RT: 7.64 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 20 Jul 2022 15:57

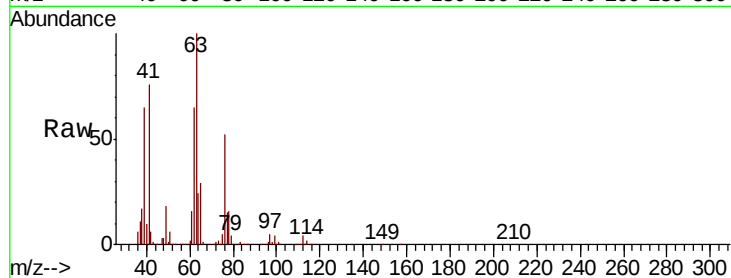
Tot Ion: 63 Resp: 848447

Ion Ratio Lower Upper

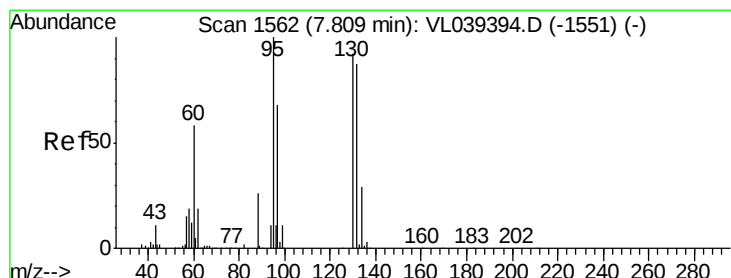
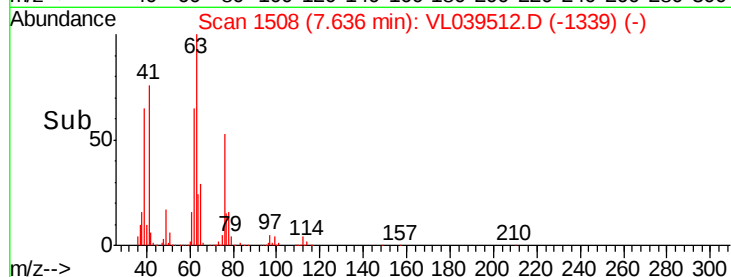
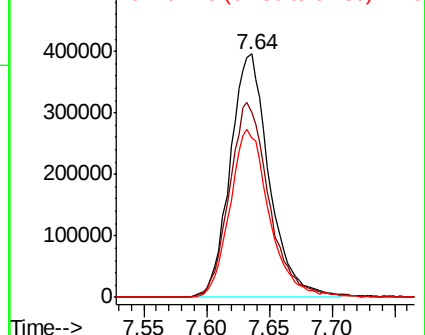
63 100

41 75.7 59.6 89.4

62 65.2 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: 7.731 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.05 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Tgt Ion: 88 Resp: 246463

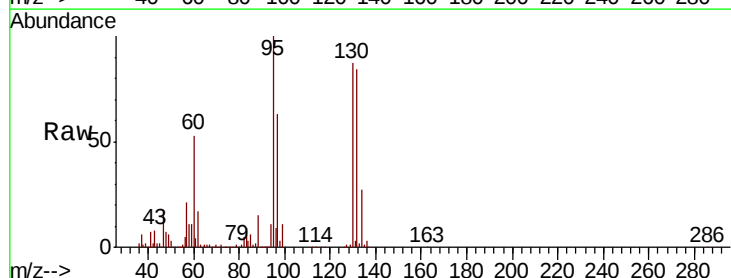
Ion Ratio Lower Upper

88 100

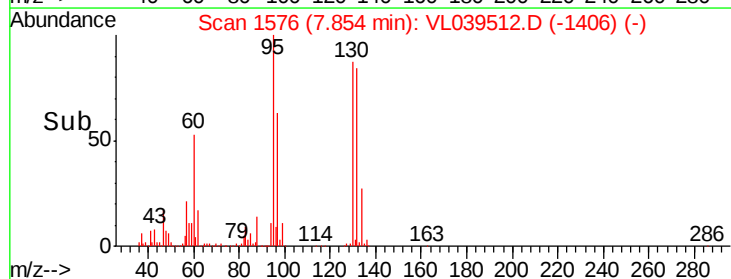
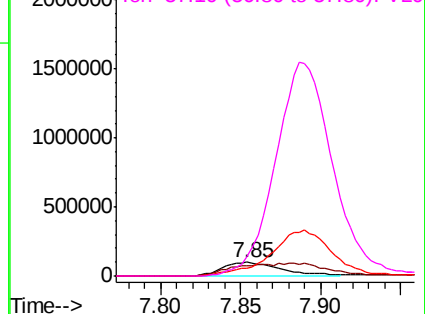
58 0.0 100.2 150.4#

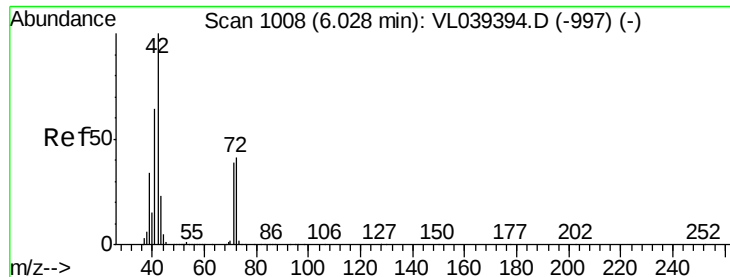
43 0.0 205.8 308.6#

57 0.0 879.1 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: 11.223 ppbv

RT: 6.07

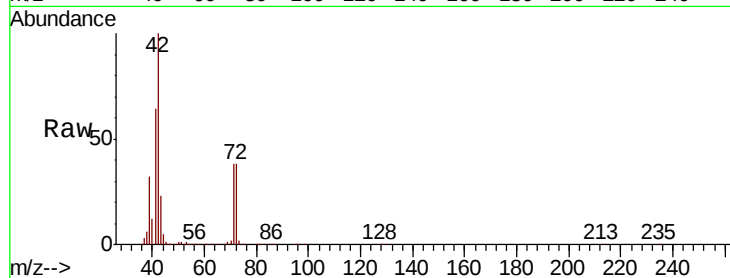
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 15:57

Tot Ion: 42 Resp: 905780

Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.8	47.8
71	39.4	31.8	47.8

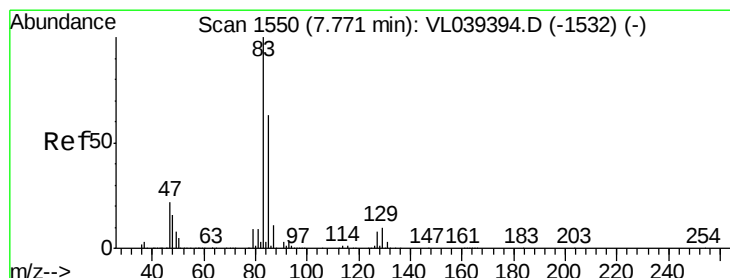
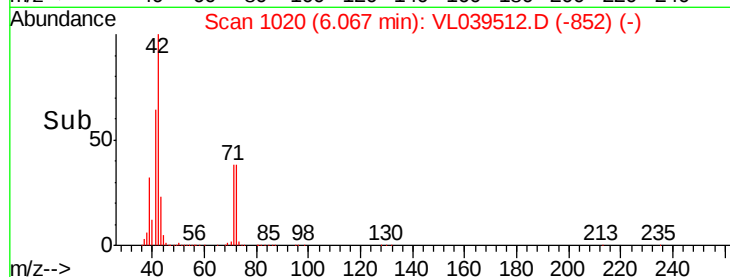
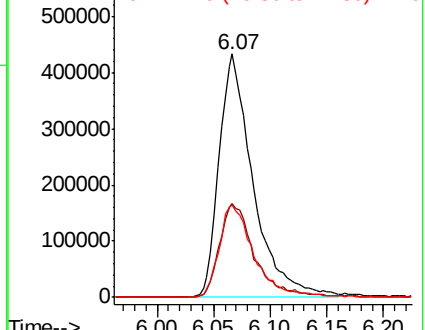


Abundance

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: 11.426 ppbv

RT: 7.81 min Scan# 1562

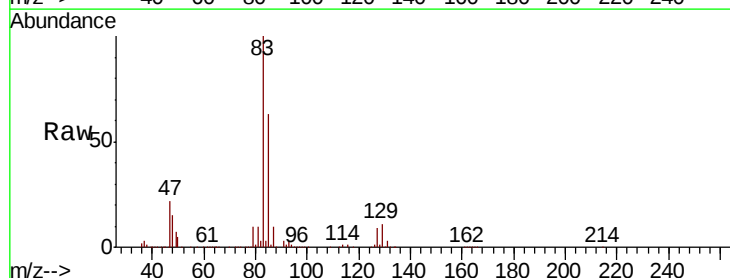
Delta R.T. 0.04 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Tgt Ion: 83 Resp: 1947173

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.7	76.1
127	8.7	6.6	9.8

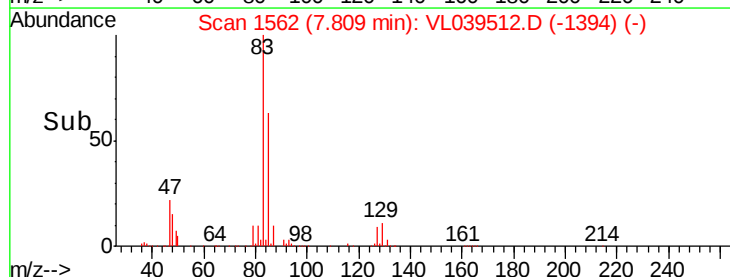
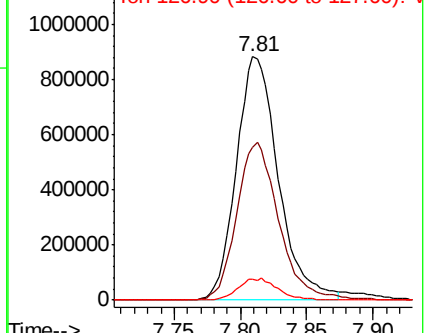


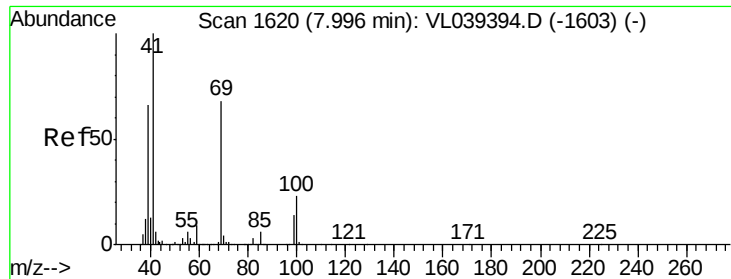
Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

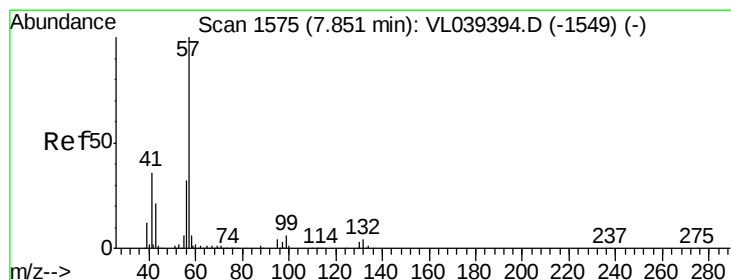
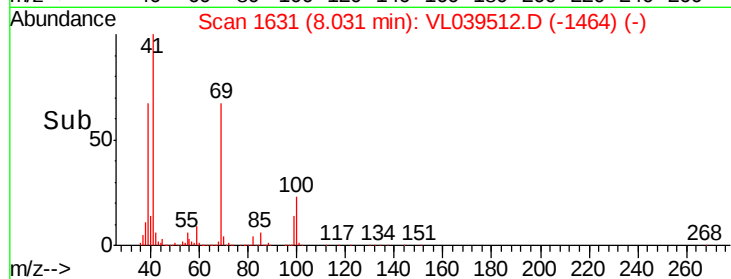
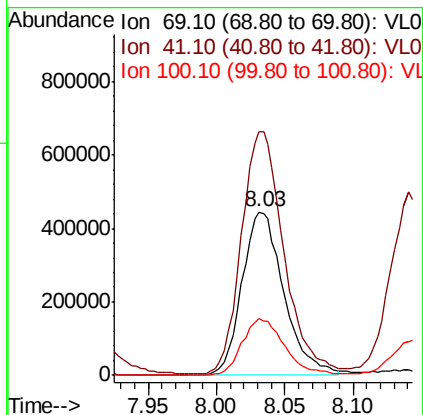
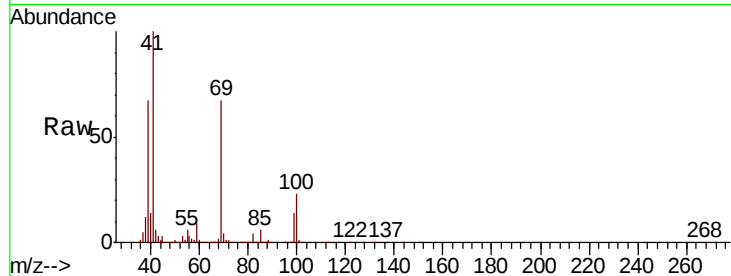
Ion 126.90 (126.60 to 127.60): V





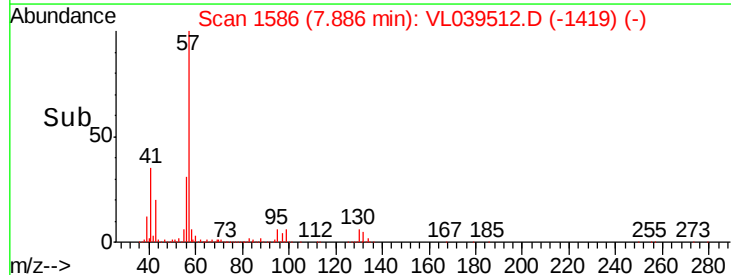
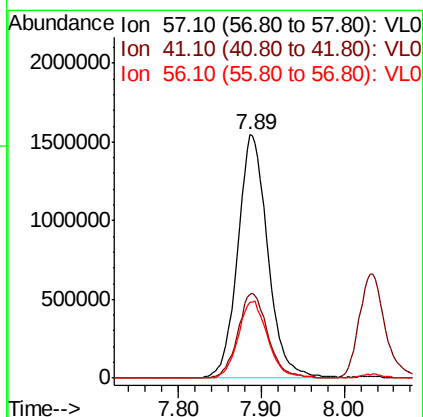
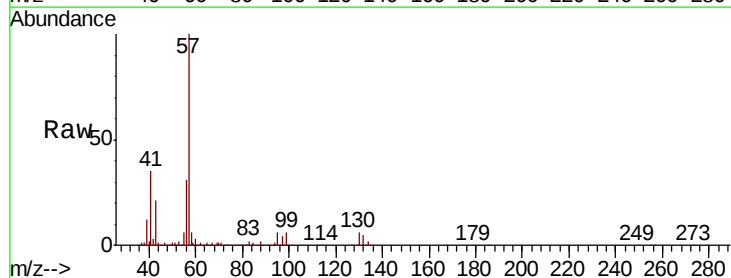
#43
Methvl Methacrilate
Concen: 11.620 ppbv
RT: 8.03
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId:
VL0720ABS01
Acq: 20 Jul 2022 15:57

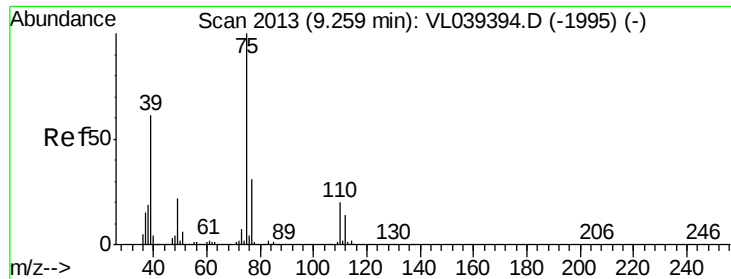
Tot Ion: 69 Resp: 946146
Ion Ratio Lower Upper
69 100
41 152.7 120.8 181.2
100 35.4 27.8 41.6



#44
2,2,4-Trimethylpentane
Concen: 10.720 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.04 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

Tgt Ion: 57 Resp: 3889923
Ion Ratio Lower Upper
57 100
41 35.0 27.4 41.2
56 31.2 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 13.388 ppbv

RT: 9.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

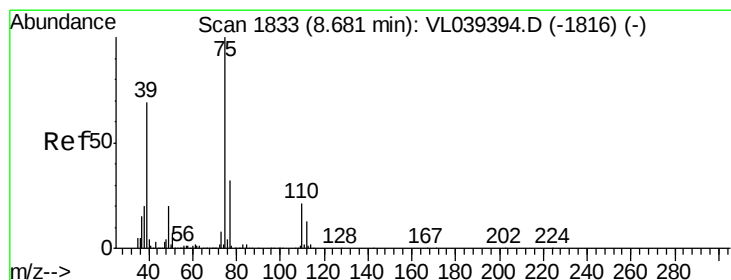
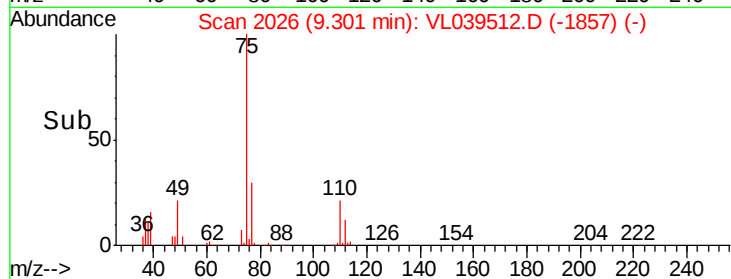
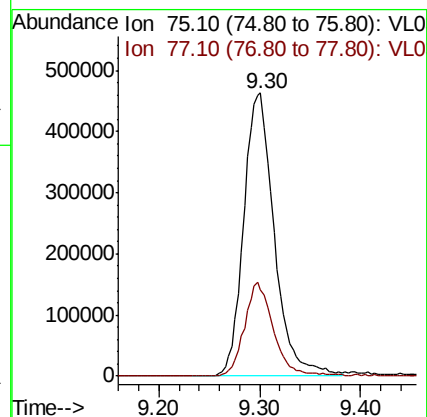
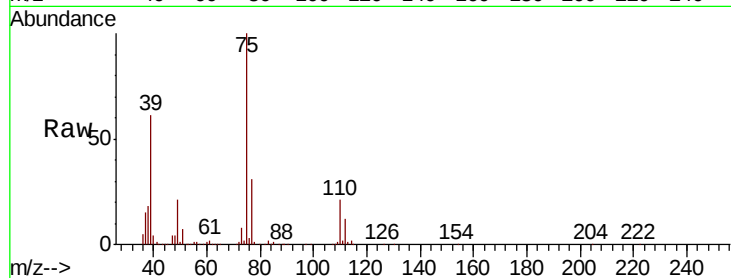
Acq: 20 Jul 2022 15:57 VL0720ABS01

Tot Ion: 75 Resp: 970585

Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 12.536 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.05 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

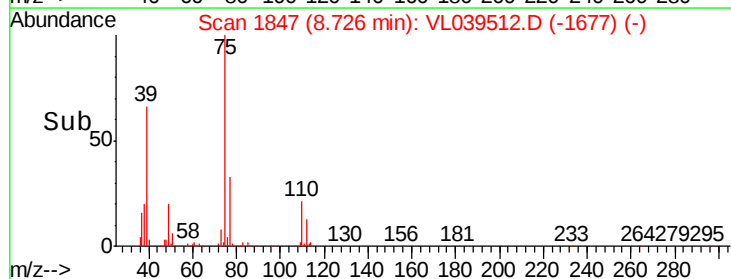
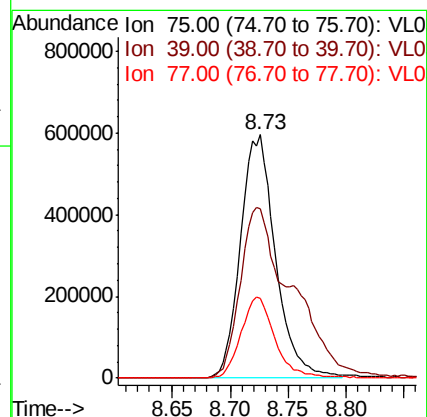
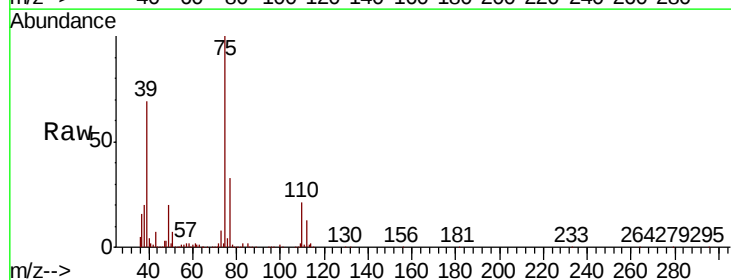
Tgt Ion: 75 Resp: 1250877

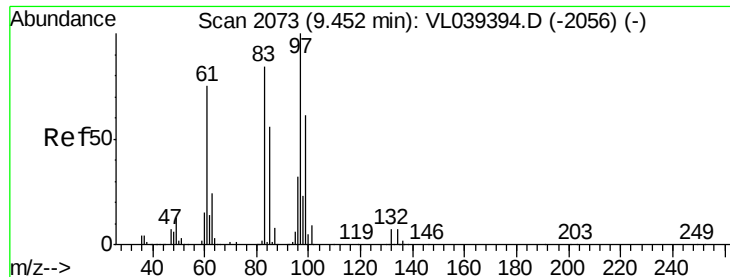
Ion Ratio Lower Upper

75 100

39 69.3 55.0 82.4

77 32.7 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 11.024 ppbv

RT: 9.50 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 20 Jul 2022 15:57 VL0720ABS01

Tot Ion: 97 Resp: 989544

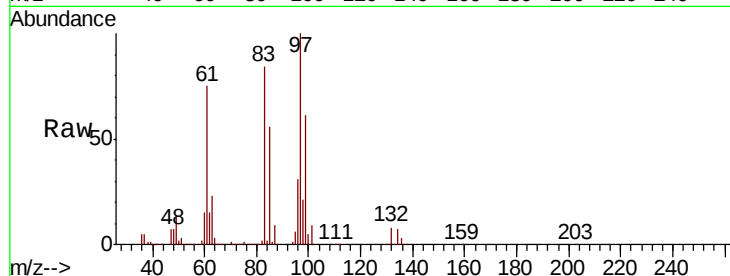
Ion Ratio Lower Upper

97 100

83 84.3 67.4 101.0

85 56.1 45.1 67.7

99 61.0 48.6 73.0

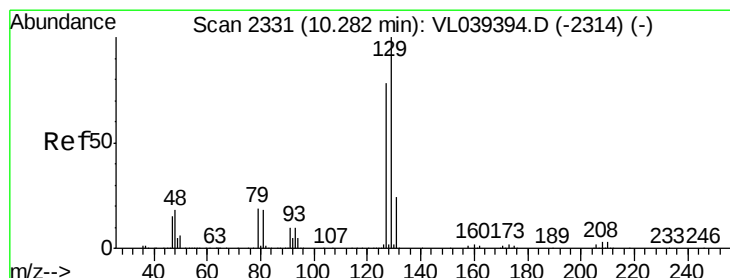
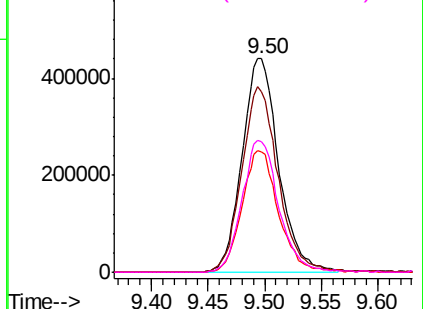
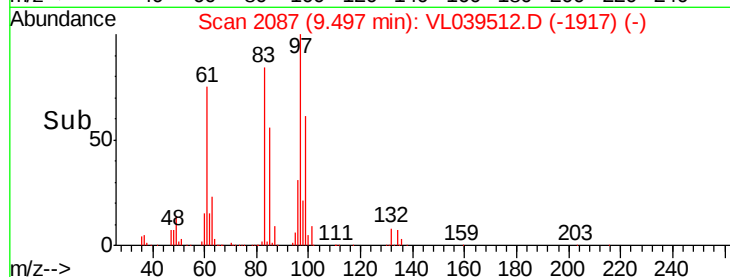


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 12.339 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. 0.05 min

Lab File: VL039512.D

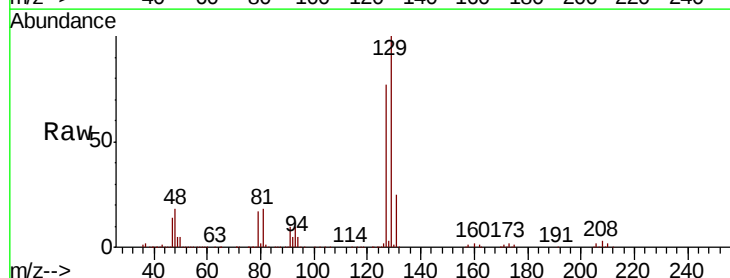
Acq: 20 Jul 2022 15:57

Tgt Ion:129 Resp: 1760349

Ion Ratio Lower Upper

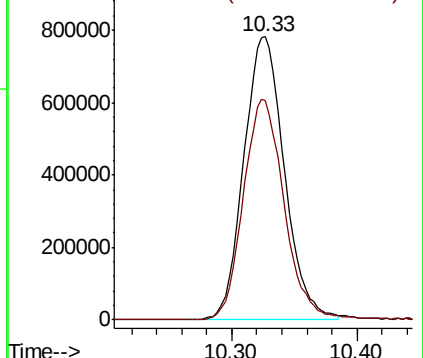
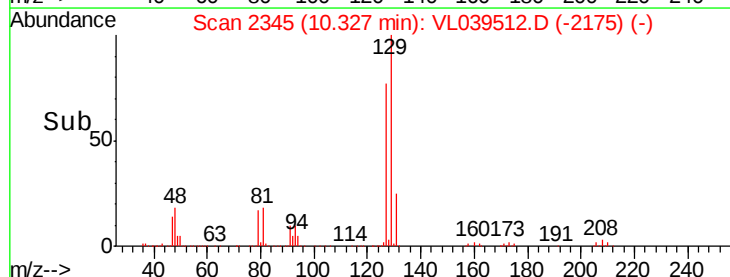
129 100

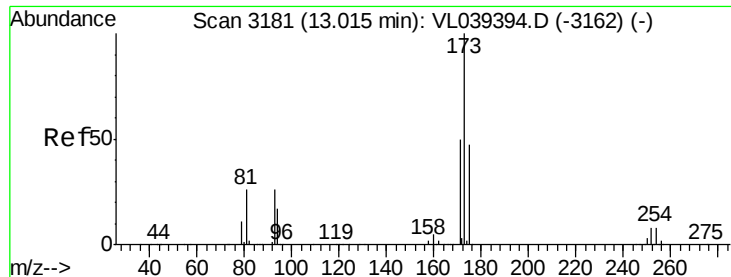
127 78.7 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.598 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0720ABS01

Acq: 20 Jul 2022 15:57

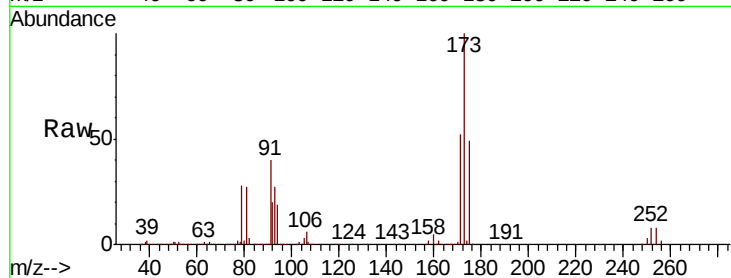
Tot Ion:173 Resp: 1449936

Ion Ratio Lower Upper

173 100

175 50.4 40.3 60.5

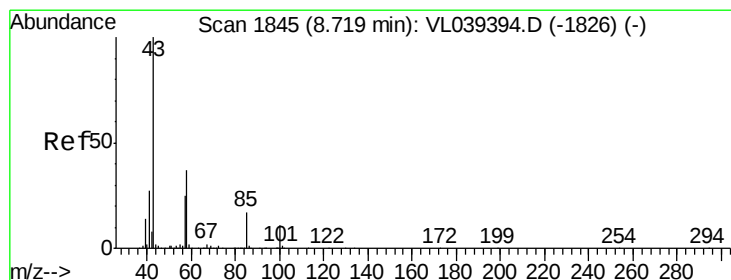
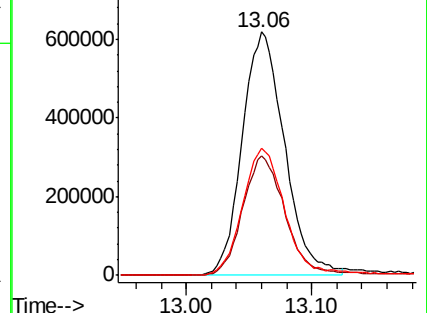
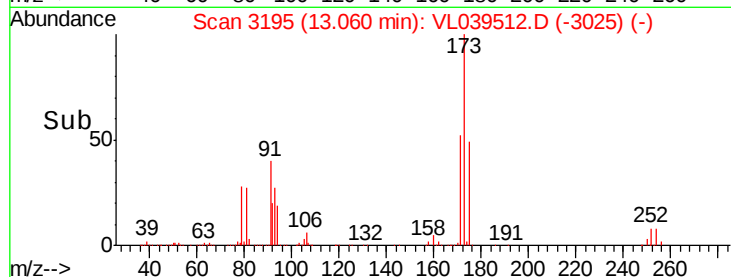
171 53.1 42.9 64.3



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: 11.553 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.04 min

Lab File: VL039512.D

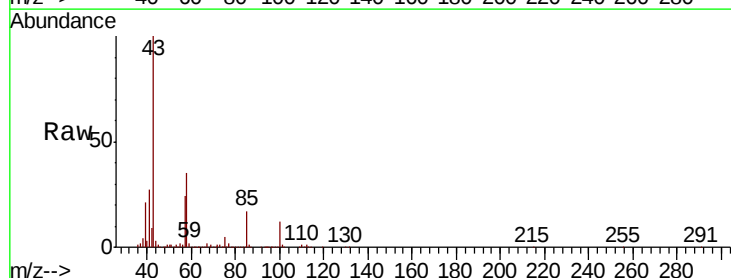
Acq: 20 Jul 2022 15:57

Tgt Ion: 43 Resp: 2432888

Ion Ratio Lower Upper

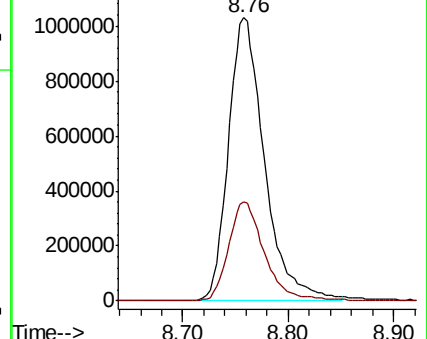
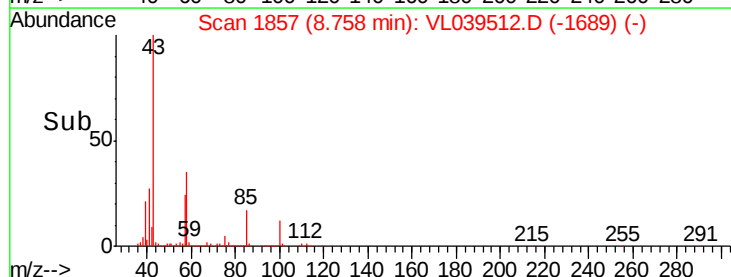
43 100

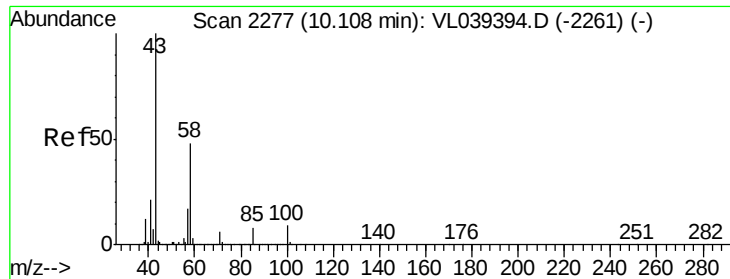
58 35.3 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

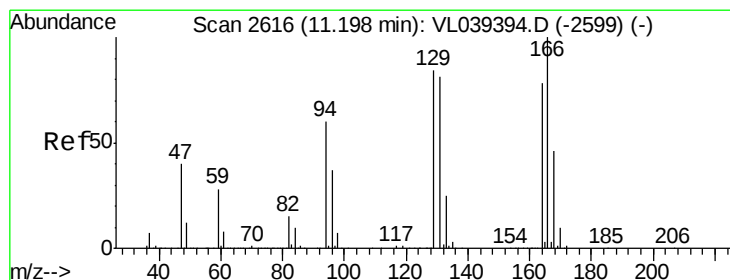
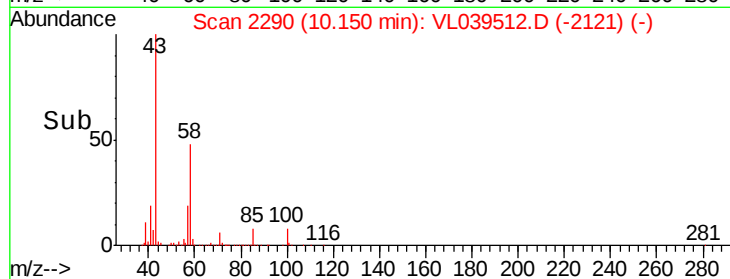
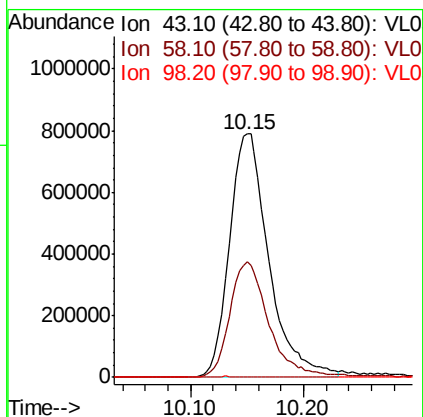
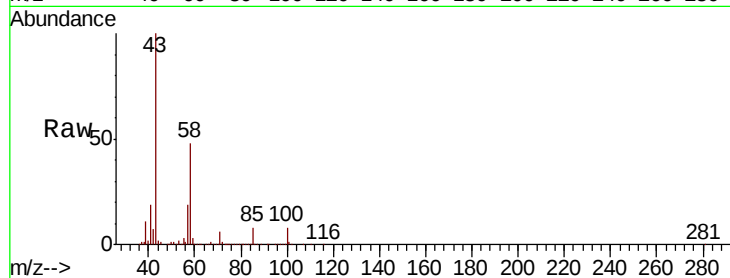
Ion 58.10 (57.80 to 58.80): VL0





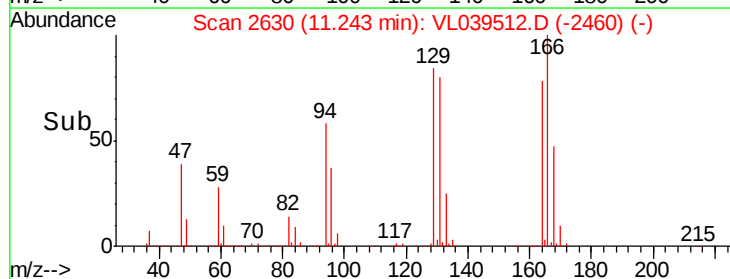
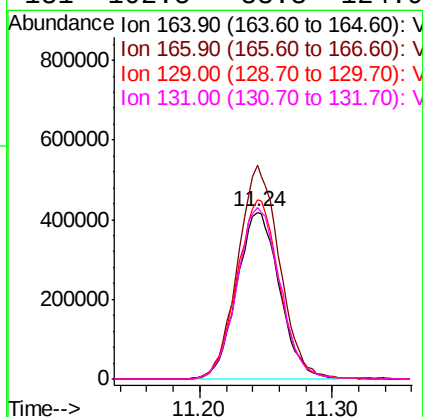
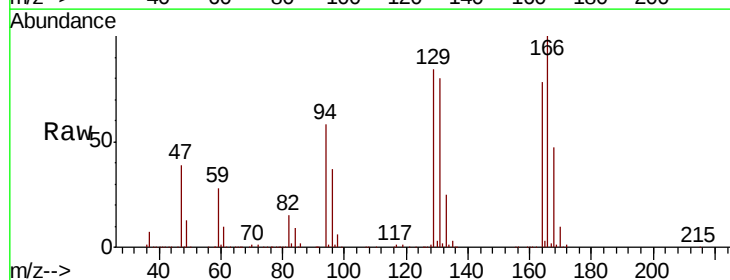
#51
2-Hexanone
Concen: 11.979 ppbv
RT: 10.15 min
Delta R.T. MSVOA_L
Lab File: ClientSampled :
VL0720ABS01
Acq: 20 Jul 2022 15:57

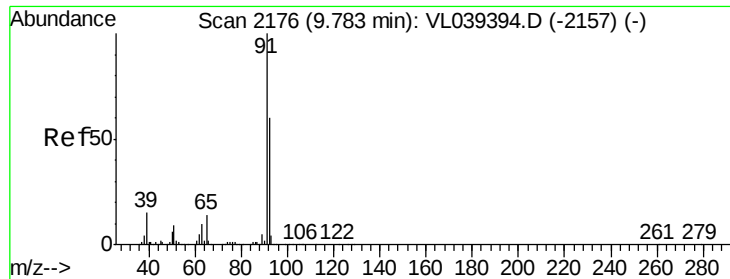
Tot Ion: 43 Resp: 1908143
Ion Ratio Lower Upper
43 100
58 48.3 38.4 57.6
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 10.853 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.05 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

Tgt Ion: 164 Resp: 935592
Ion Ratio Lower Upper
164 100
166 127.9 102.2 153.2
129 107.4 85.8 128.8
131 102.5 83.3 124.9





#53

Toluene

Concen: 11.413 ppbv

RT: 9.83 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

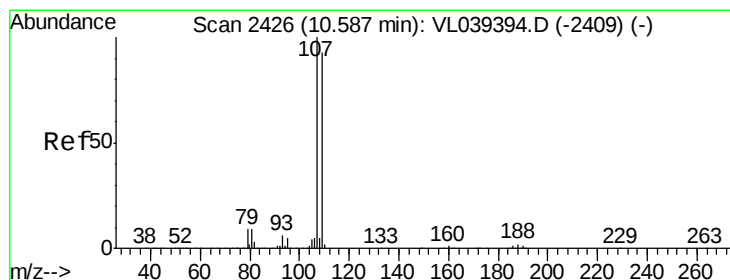
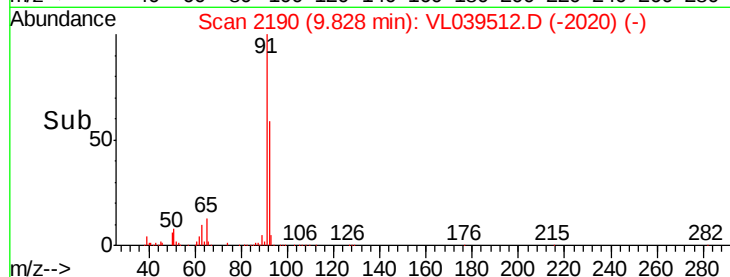
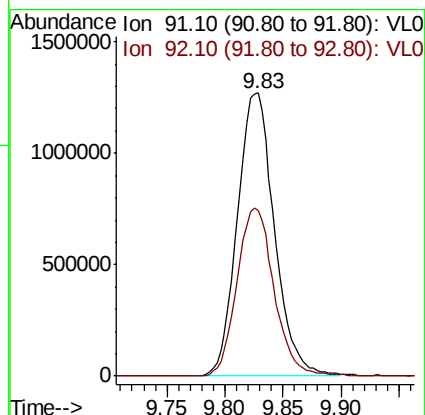
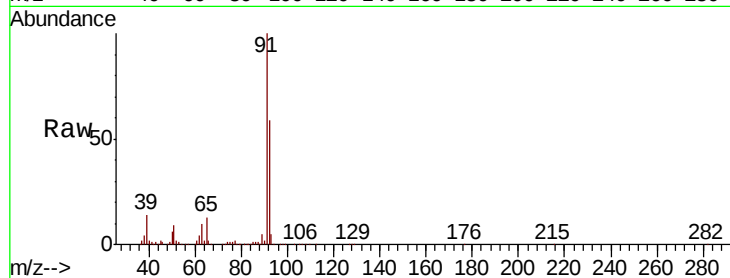
Acq: 20 Jul 2022 15:57

Tot Ion: 91 Resp: 2818882

Ion Ratio Lower Upper

91 100

92 59.7 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.395 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.05 min

Lab File: VL039512.D

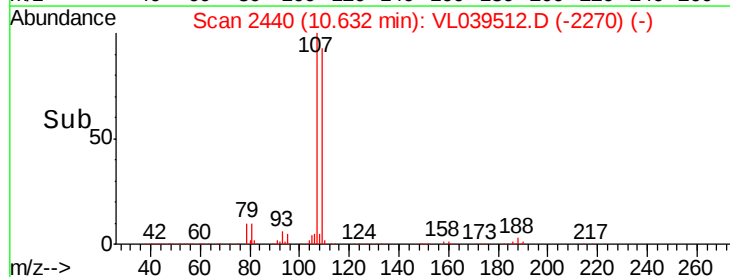
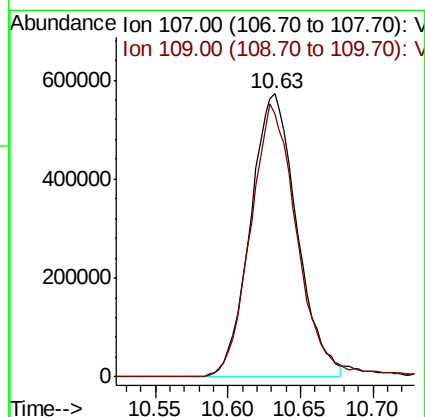
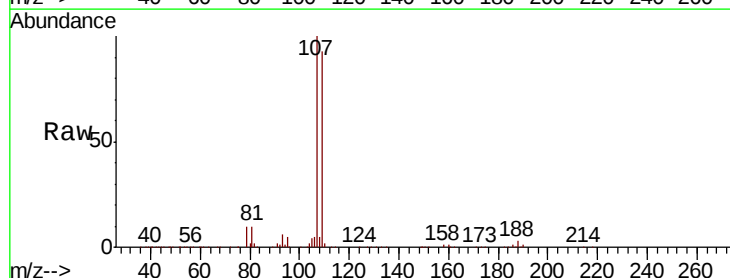
Acq: 20 Jul 2022 15:57

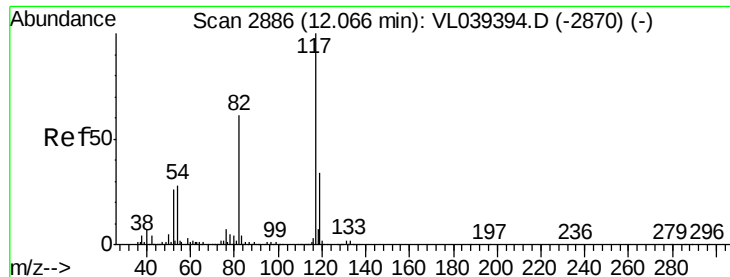
Tgt Ion: 107 Resp: 1272634

Ion Ratio Lower Upper

107 100

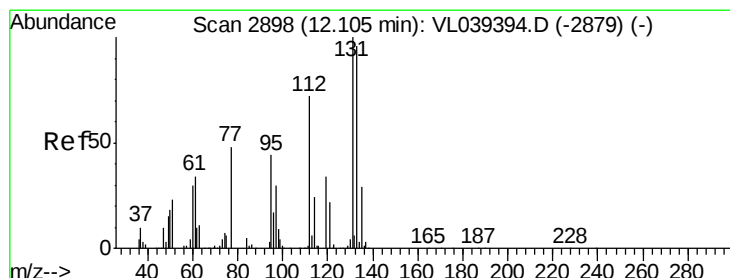
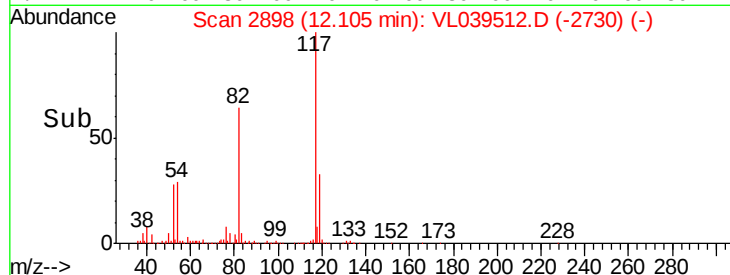
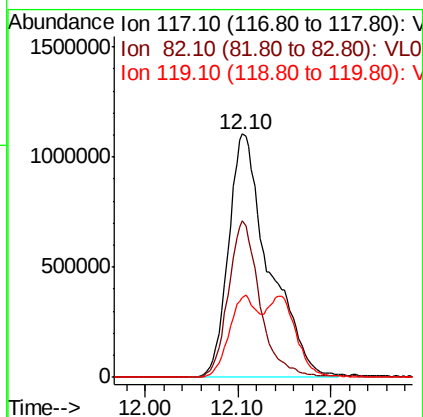
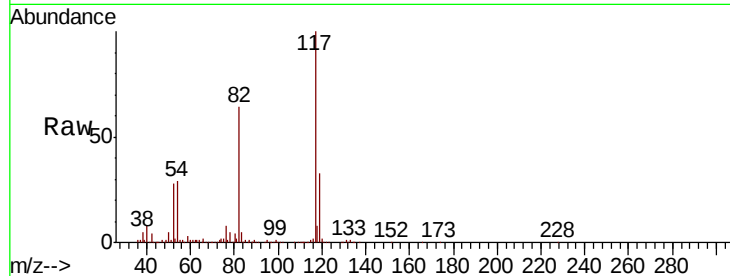
109 93.1 74.8 112.2





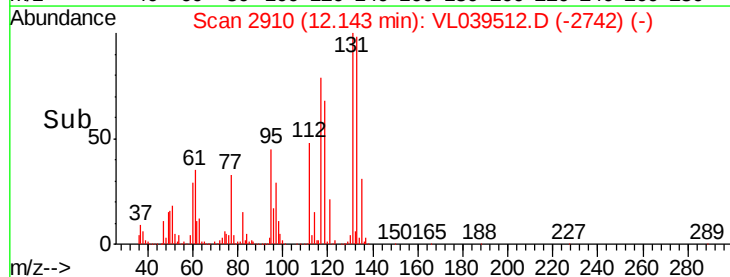
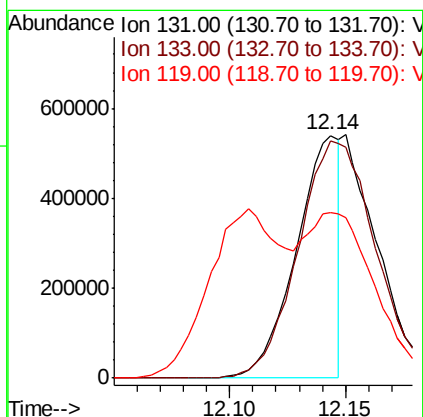
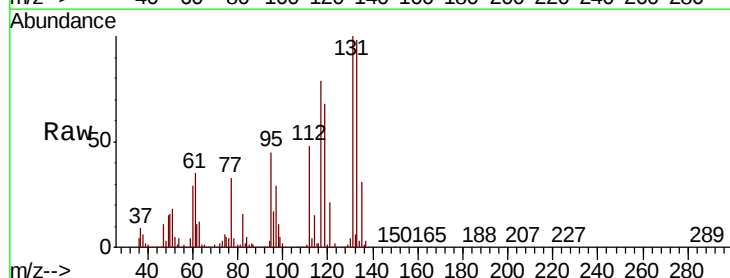
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0720ABS01
Acq: 20 Jul 2022 15:57

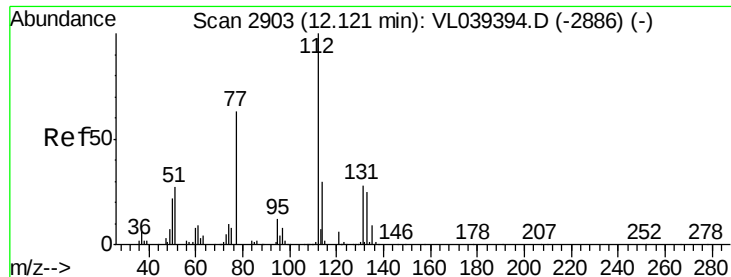
Tot Ion:117 Resp: 3348435
Ion Ratio Lower Upper
117 100
82 50.9 50.8 76.2
119 21.8 24.1 36.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 4.705 ppbv
RT: 12.14 min Scan# 2910
Delta R.T.: 0.04 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

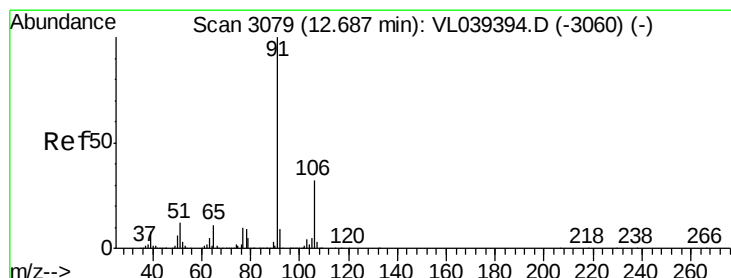
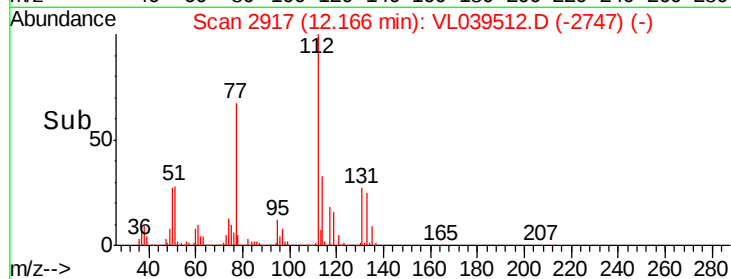
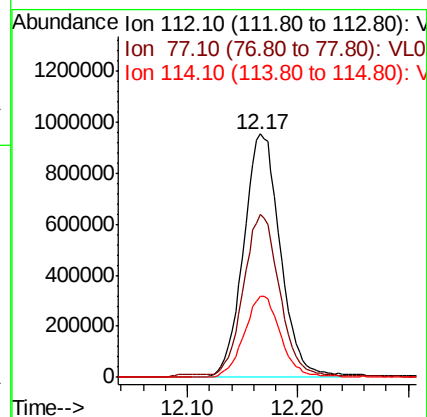
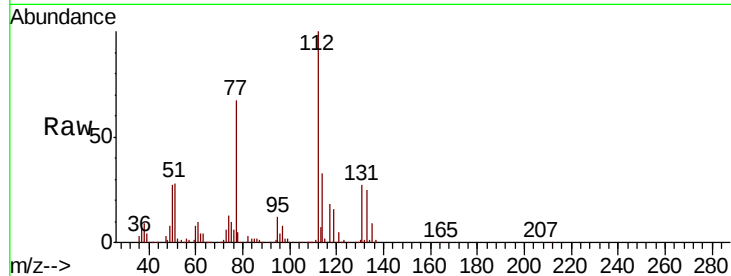
Tgt Ion:131 Resp: 695981
Ion Ratio Lower Upper
131 100
133 179.9 76.8 115.2#
119 122.0 46.2 69.4#





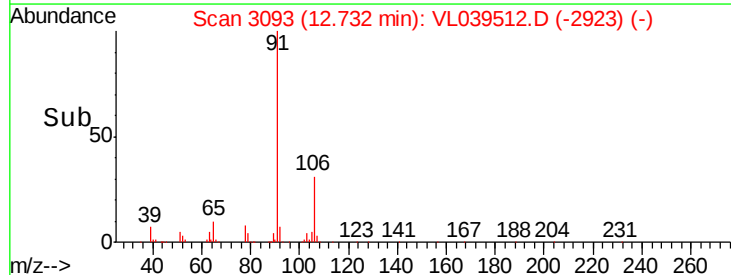
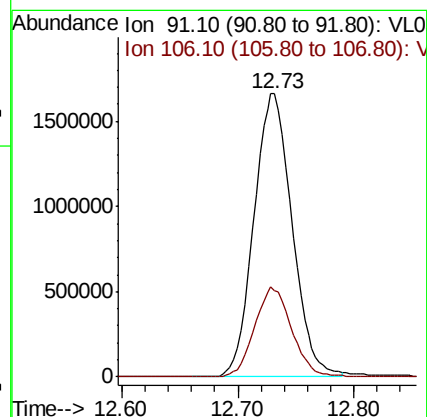
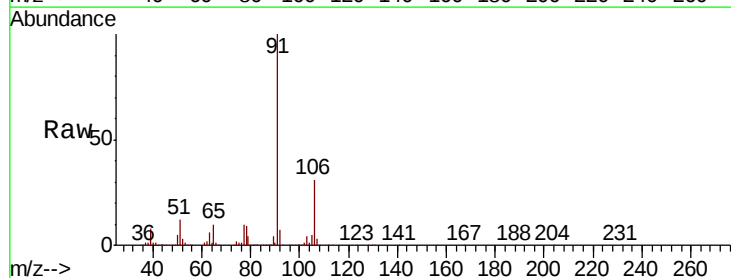
#57
Chlorobenzene
Concen: 8.476 ppbv
RT: 12.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0720ABS01
Acq: 20 Jul 2022 15:57

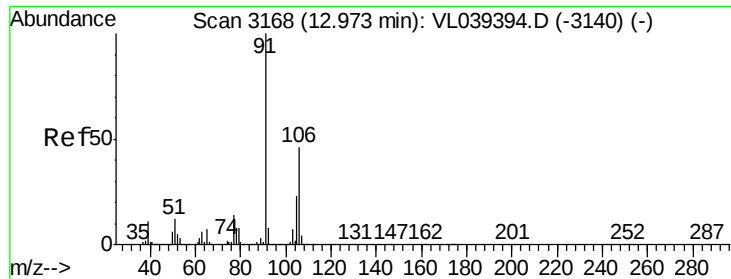
Tot Ion: 112 Resp: 2200412
Ion Ratio Lower Upper
112 100
77 66.0 51.0 76.4
114 33.3 27.5 33.6



#58
Ethyl Benzene
Concen: 8.803 ppbv
RT: 12.73 min Scan# 3093
Delta R.T.: 0.05 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

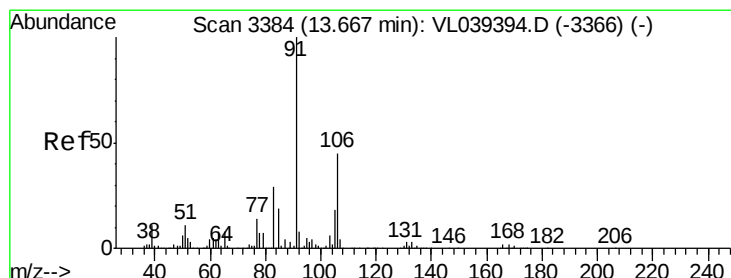
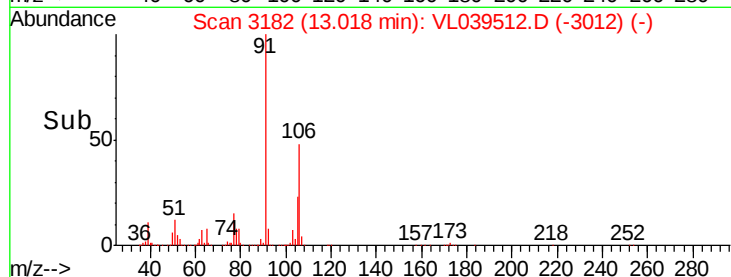
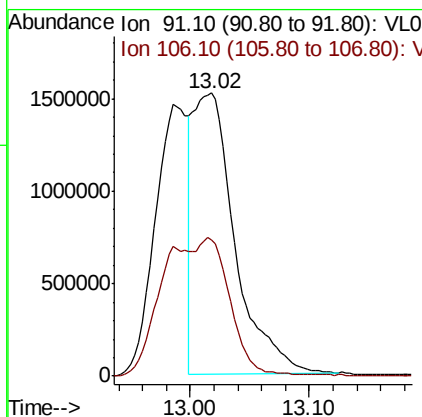
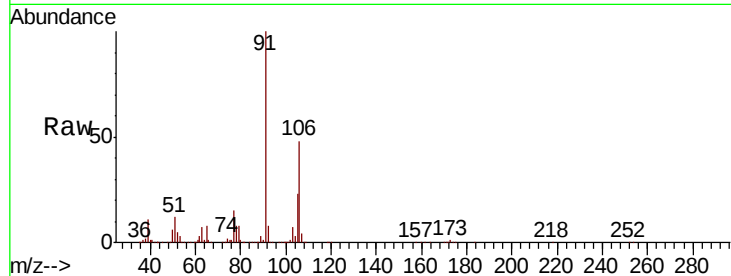
Tgt Ion: 91 Resp: 3806259
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.0





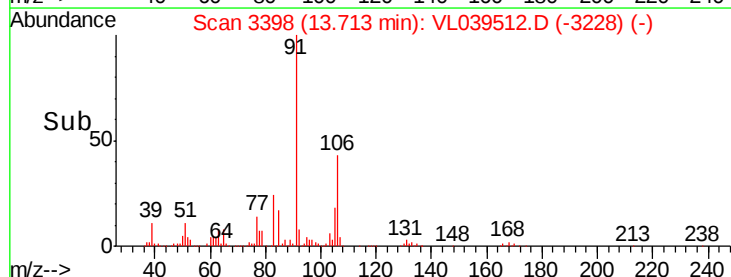
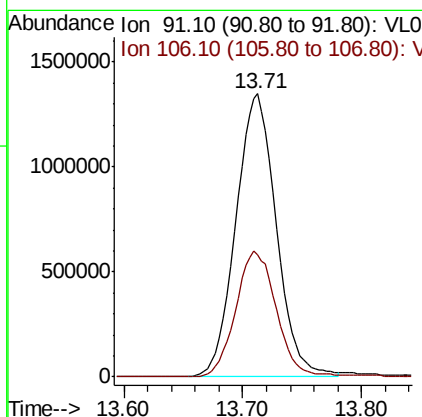
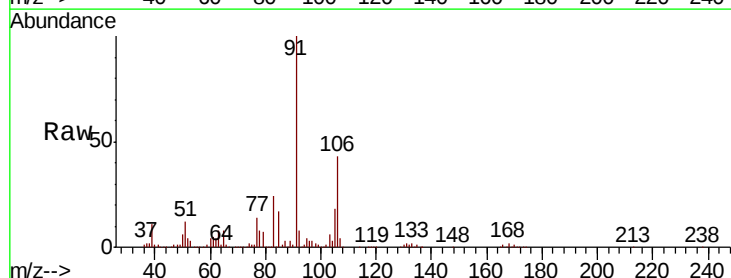
#59
m/p-Xylene
Concen: 9.726 ppbv
RT: 13.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 15:57

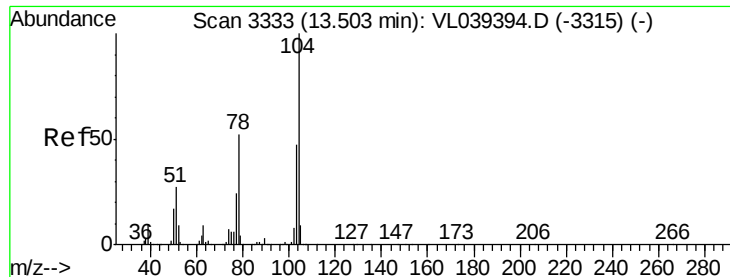
Tot Ion: 91 Resp: 3707443
Ion Ratio Lower Upper
91 100
106 79.7 35.4 53.2#



#60
o-Xylene
Concen: 8.761 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.05 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

Tgt Ion: 91 Resp: 3162149
Ion Ratio Lower Upper
91 100
106 45.5 22.4 67.3





#61

Stvrene

Concen: 9.500 ppbv

RT: 13.55

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 15:57

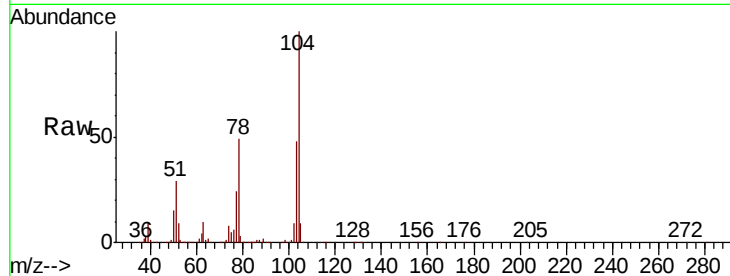
Tot Ion:104 Resp: 1857540

Ion Ratio Lower Upper

104 100

78 52.2 41.2 61.8

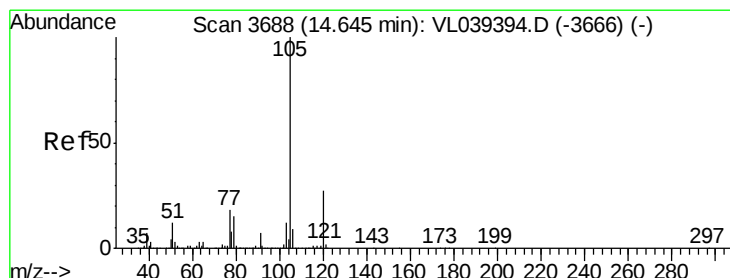
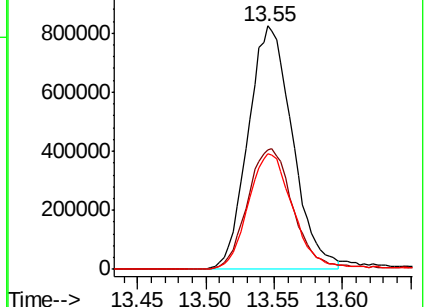
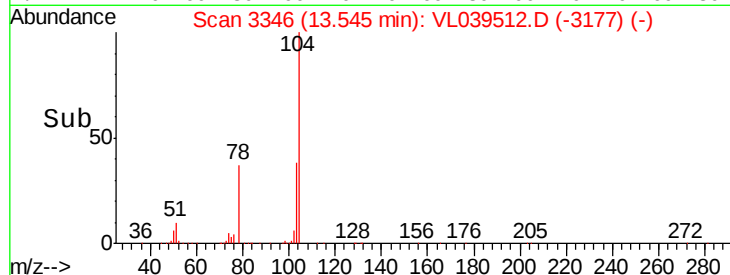
103 48.9 38.7 58.1



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: 8.577 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.04 min

Lab File: VL039512.D

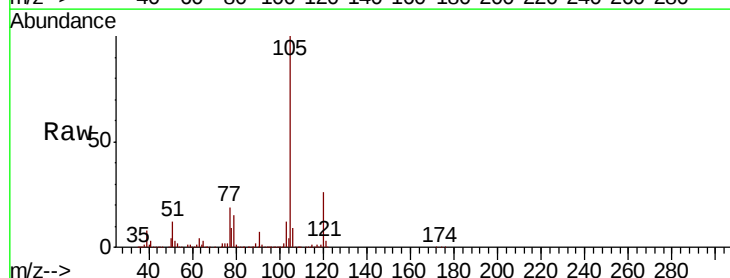
Acq: 20 Jul 2022 15:57

Tgt Ion:105 Resp: 4714514

Ion Ratio Lower Upper

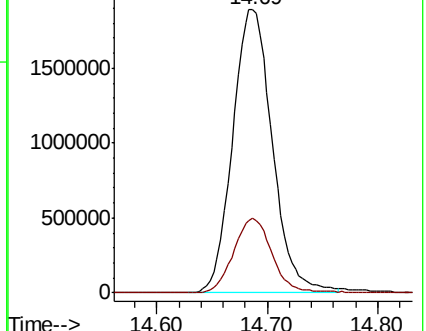
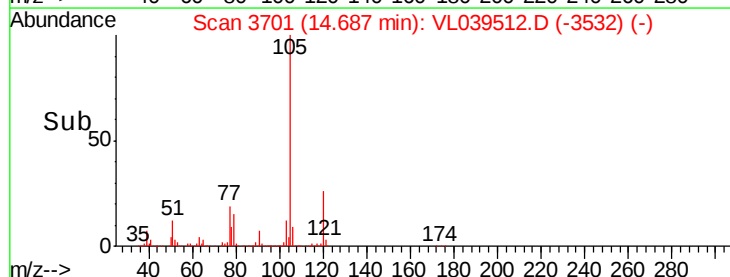
105 100

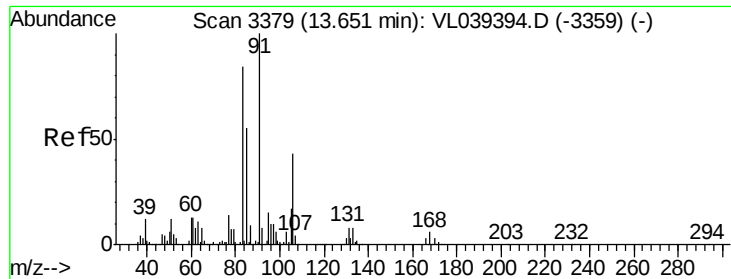
120 25.8 20.7 31.1



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: 7.738 ppbv

RT: 13.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 15:57

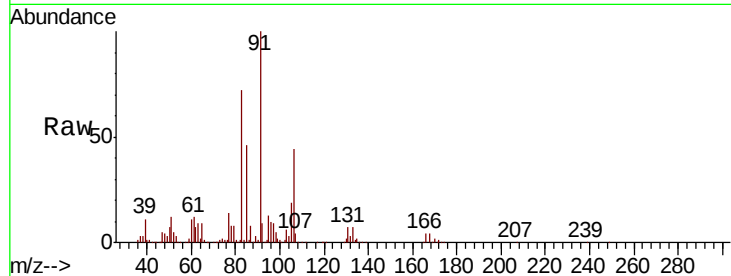
Tot Ion: 83 Resp: 1463906

Ion Ratio Lower Upper

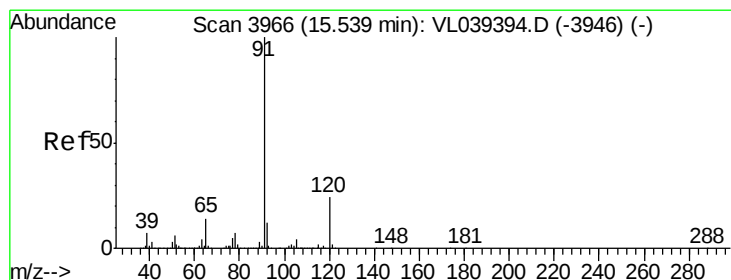
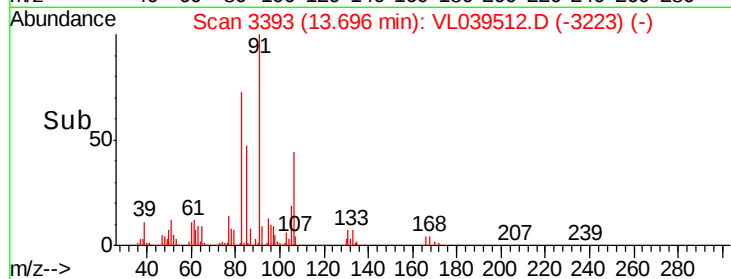
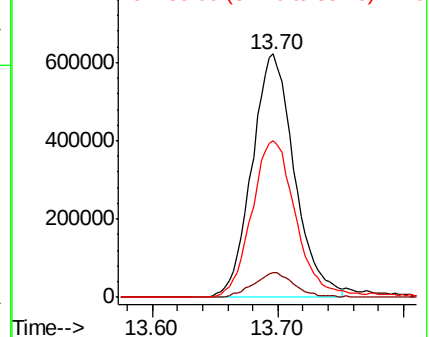
83 100

131 10.1 5.3 15.8

85 68.9 33.1 99.5



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.001 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.04 min

Lab File: VL039512.D

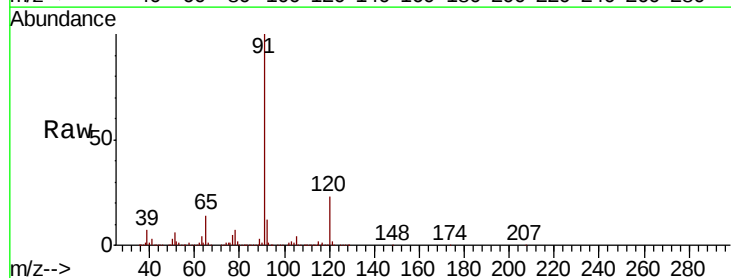
Acq: 20 Jul 2022 15:57

Tgt Ion:120 Resp: 1254014

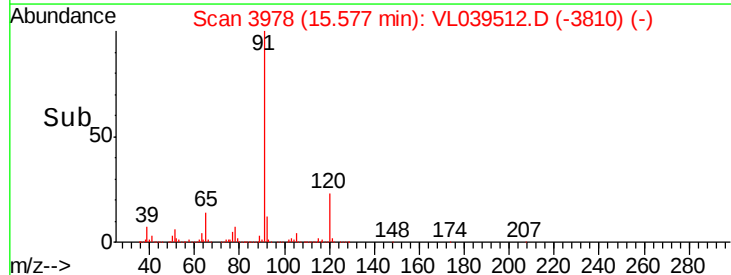
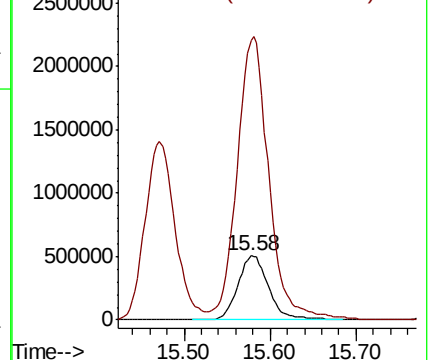
Ion Ratio Lower Upper

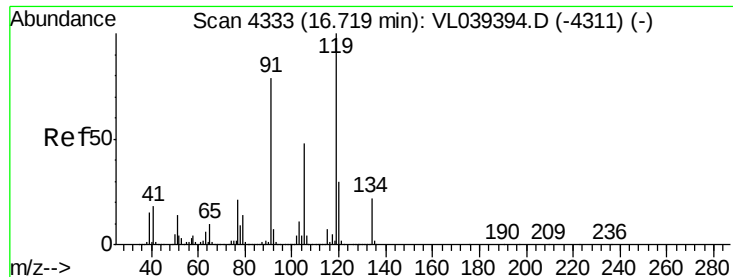
120 100

91 454.9 367.2 550.8



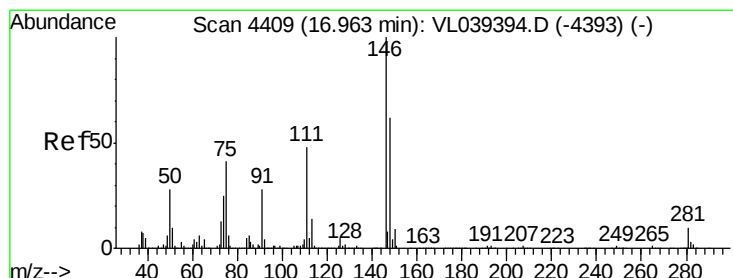
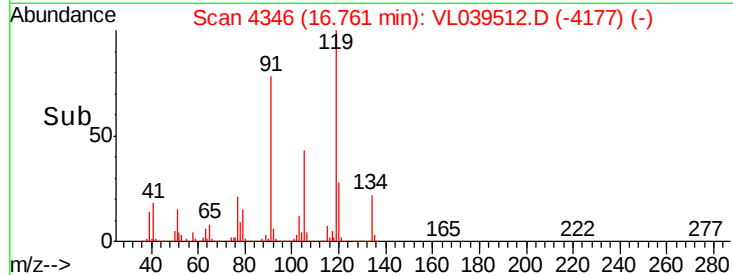
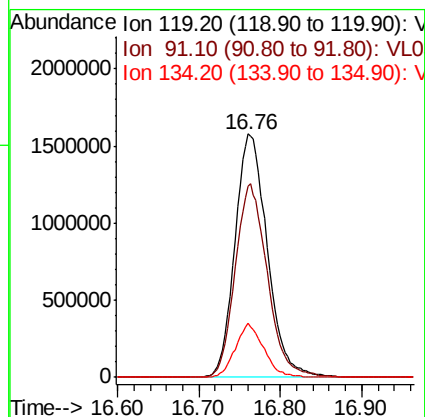
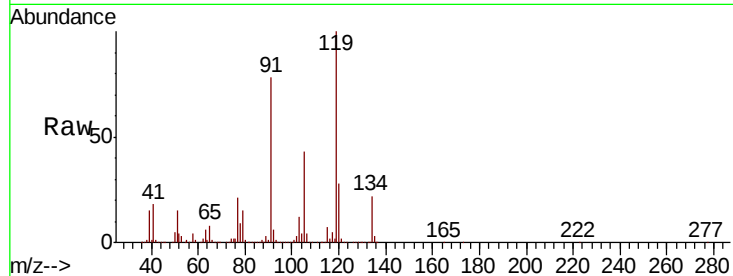
Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





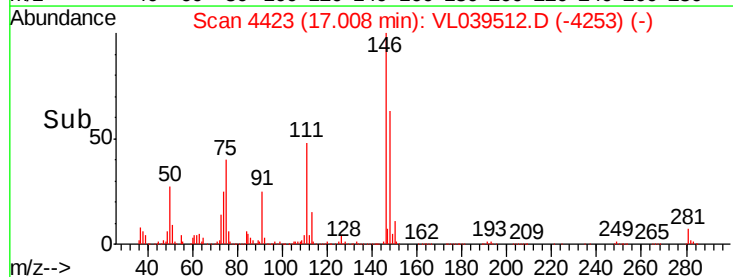
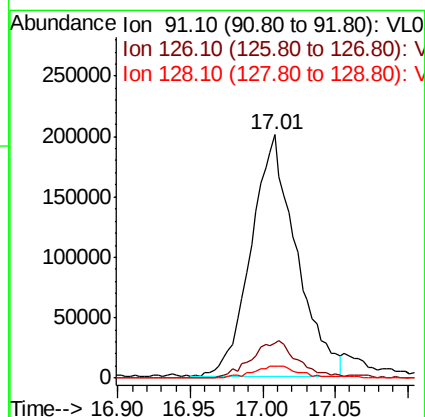
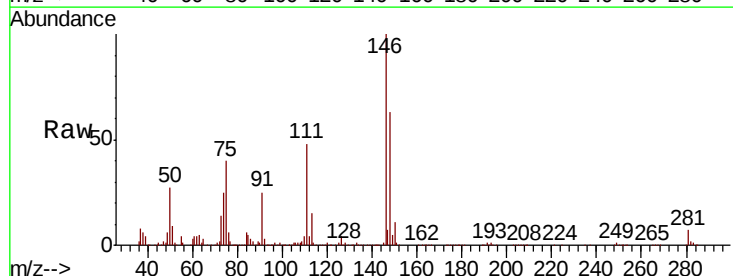
#65
 tert-Butylbenzene
 Concen: 8.551 ppbv
 RT: 16.76 min
 Delta R.T. 0.05 min
 Lab File: VL0720ABS01
 Acq: 20 Jul 2022 15:57

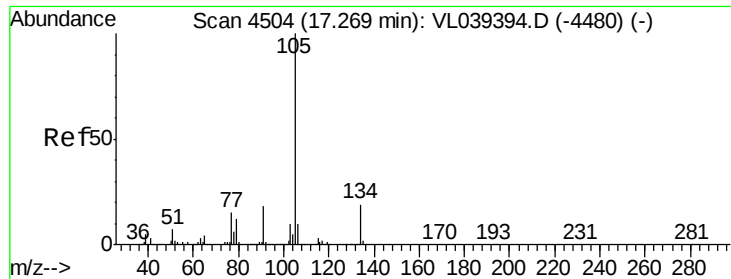
Tot Ion: 119 Resp: 4343227
 Ion Ratio Lower Upper
 119 100
 91 79.1 63.4 95.2
 134 19.6 15.9 23.9



#66
 Benzyl Chloride
 Concen: 8.986 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. 0.05 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

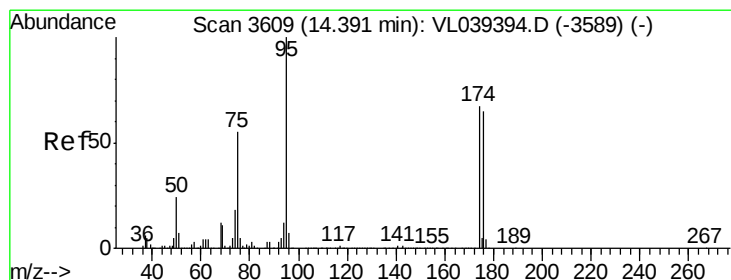
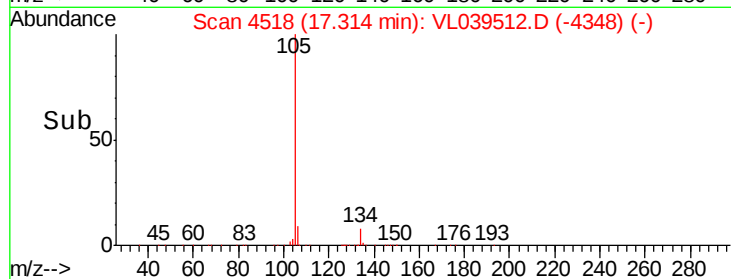
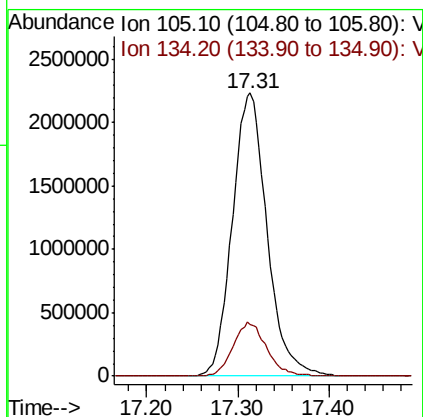
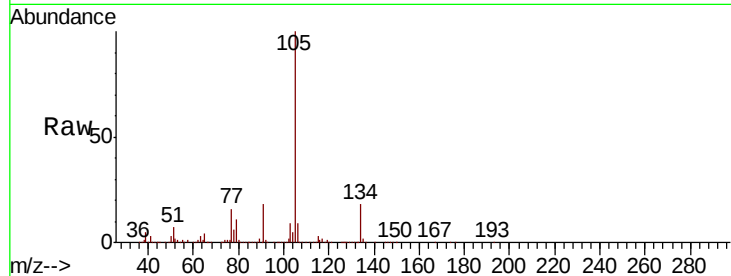
Tgt Ion: 91 Resp: 433721
 Ion Ratio Lower Upper
 91 100
 126 16.6 13.1 19.7
 128 5.7 4.4 6.6





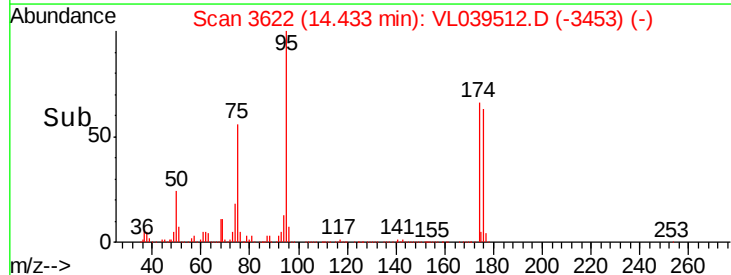
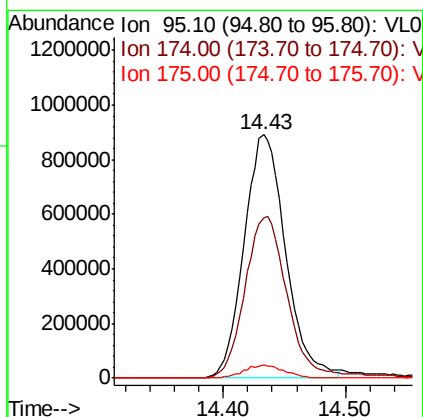
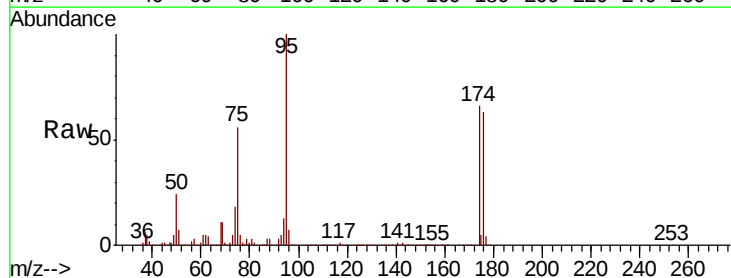
#67
 sec-Butylbenzene
 Concen: 8.604 ppbv
 RT: 17.31 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0720ABS01
 Acq: 20 Jul 2022 15:57

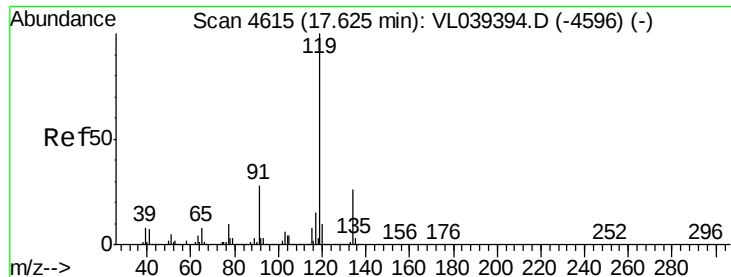
Tot Ion: 105 Resp: 5886506
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.433 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. 0.04 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

Tgt Ion: 95 Resp: 2094901
 Ion Ratio Lower Upper
 95 100
 174 69.3 55.9 83.9
 175 5.4 4.2 6.4

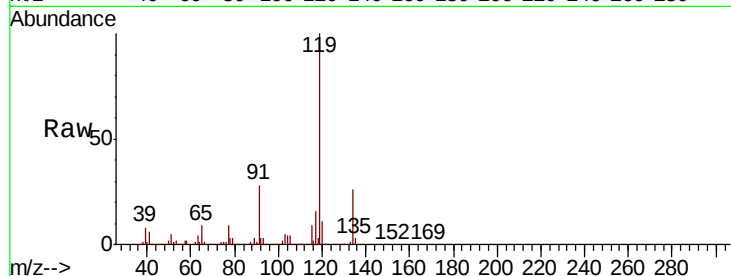




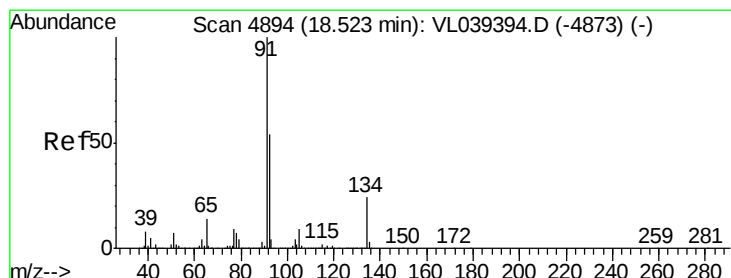
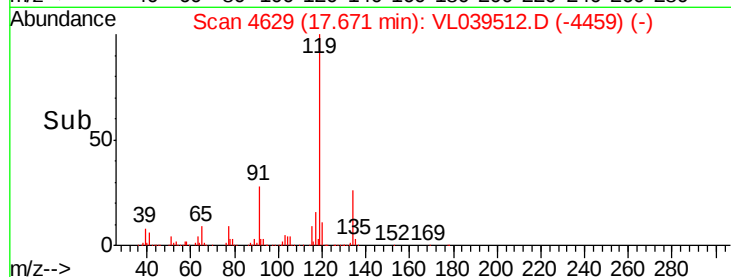
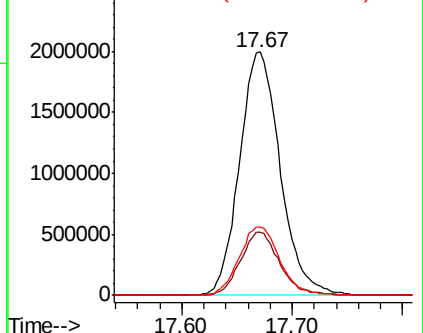
#69
 p-Isopropyltoluene
 Concen: 8.776 ppbv
 RT: 17.67 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0720ABS01
 Acq: 20 Jul 2022 15:57

Tot Ion: 119 Resp: 5094738

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	28.4	22.9	34.3



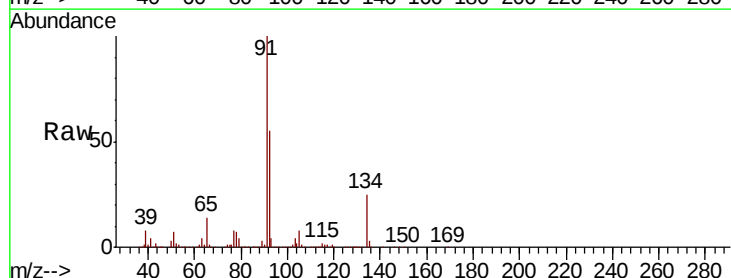
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



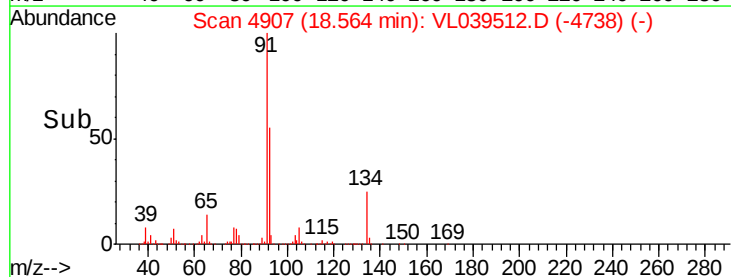
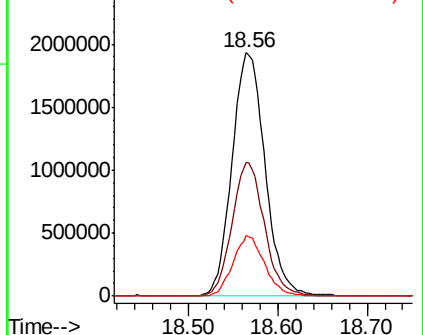
#70
 n-Butylbenzene
 Concen: 8.794 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.04 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

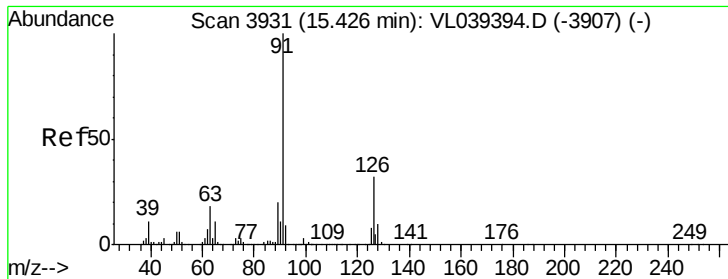
Tgt Ion: 91 Resp: 4954551

Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.4	65.2
134	23.8	18.9	28.3



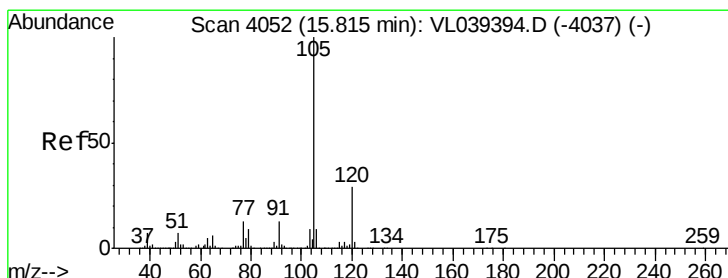
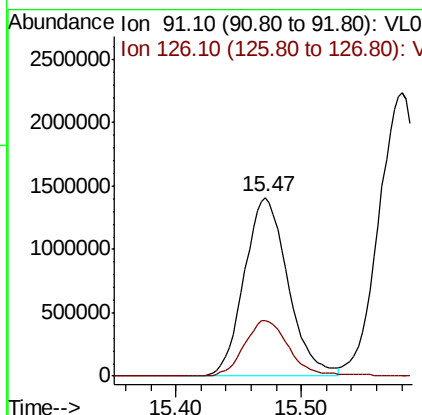
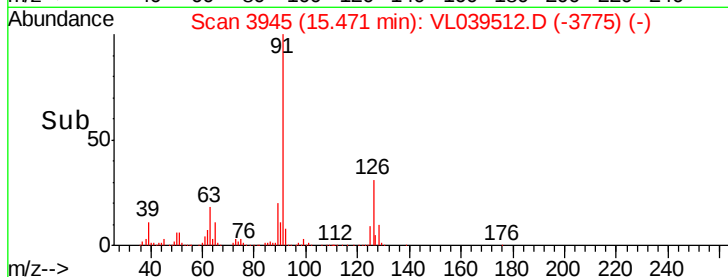
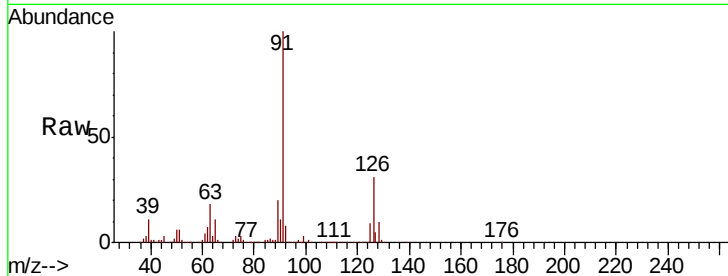
Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





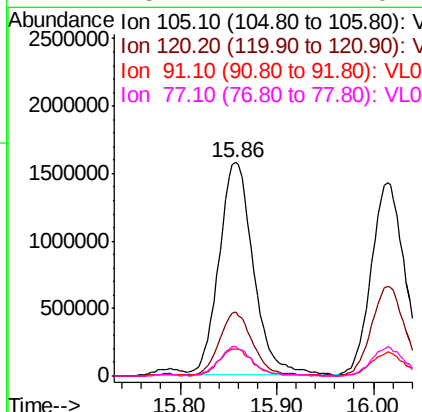
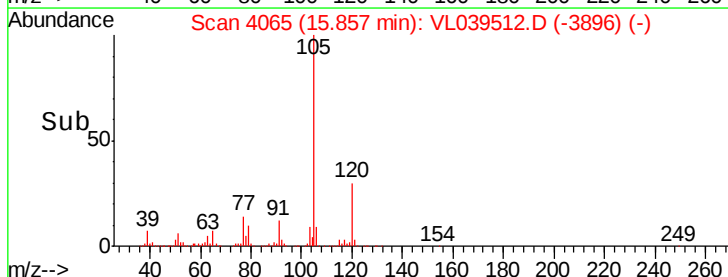
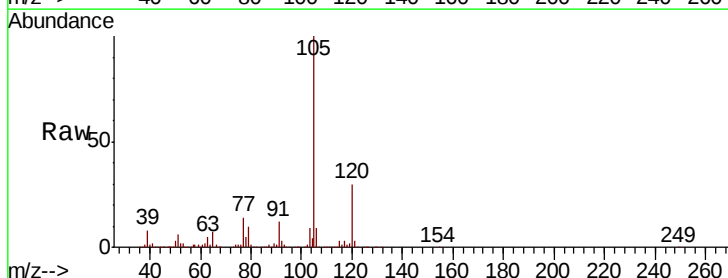
#71
 2-Chlorotoluene
 Concen: 8.705 ppbv
 RT: 15.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0720ABS01
 Acq: 20 Jul 2022 15:57

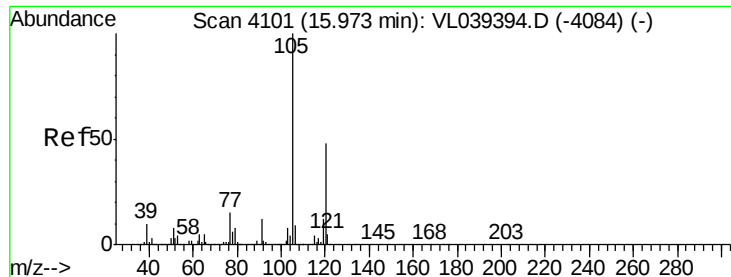
Tot Ion: 91 Resp: 3424673
 Ion Ratio Lower Upper
 91 100
 126 32.4 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 9.078 ppbv
 RT: 15.86 min Scan# 4065
 Delta R.T. 0.04 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

Tgt Ion:105 Resp: 3852624
 Ion Ratio Lower Upper
 105 100
 120 29.7 24.2 36.2
 91 12.5 10.2 15.4
 77 13.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.187 ppbv

RT: 16.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

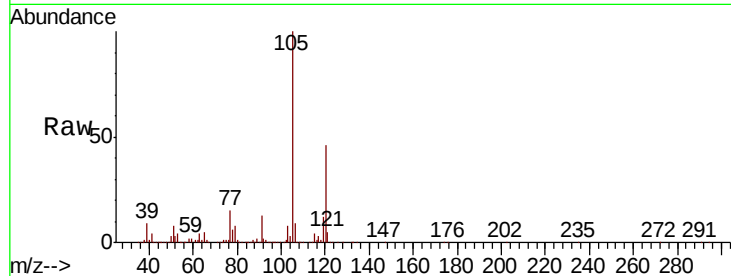
Acq: 20 Jul 2022 15:57

Tot Ion:105 Resp: 3580888

Ion Ratio Lower Upper

105 100

120 46.1 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

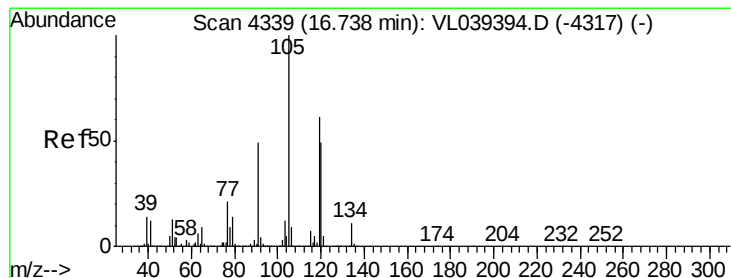
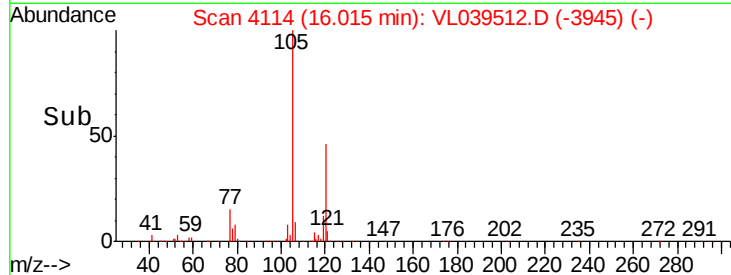
1000000

500000

0

15.90 16.01 16.10 16.20

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.725 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.04 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Tgt Ion:105 Resp: 3761891

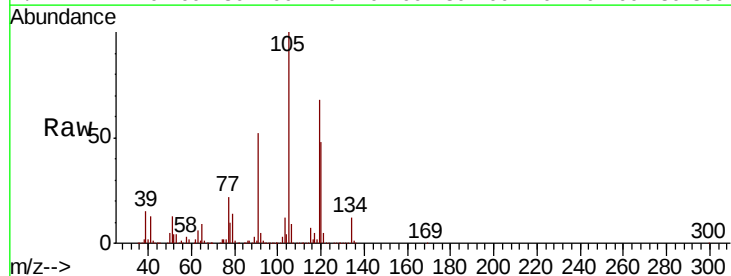
Ion Ratio Lower Upper

105 100

120 47.5 39.5 59.3

91 51.5 39.2 58.8

77 22.1 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

2000000

1500000

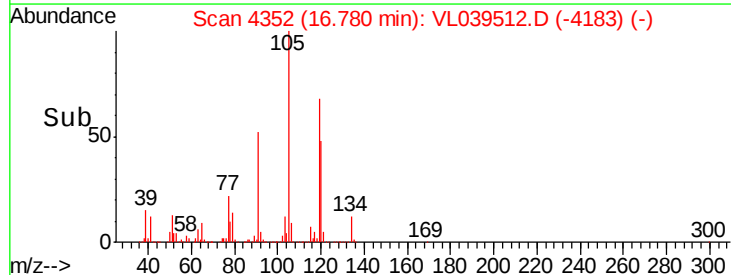
1000000

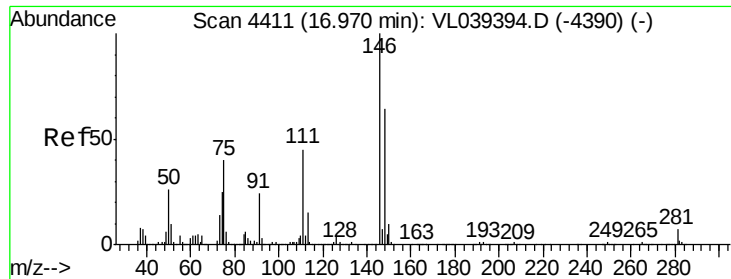
500000

0

16.70 16.78 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.742 ppbv

RT: 17.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 15:57

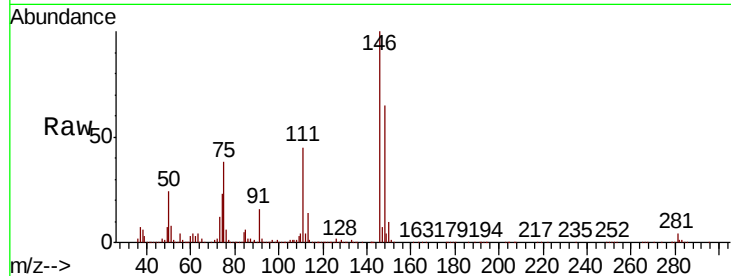
Tot Ion:146 Resp: 2248562

Ion Ratio Lower Upper

146 100

111 45.6 22.9 68.7

148 64.4 32.1 96.5

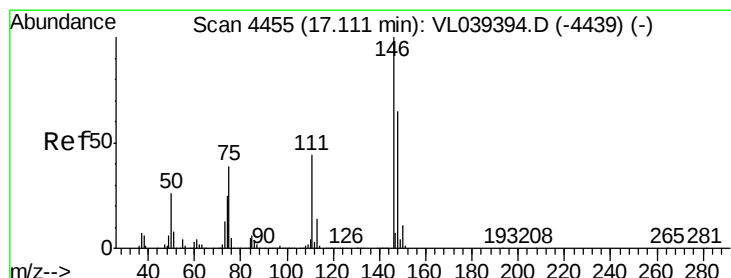
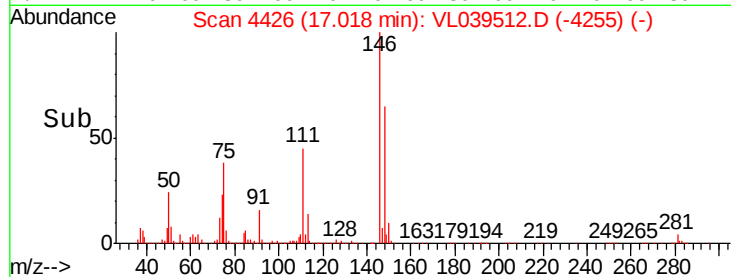
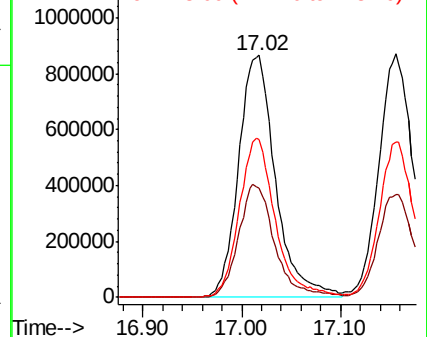


Abundance

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: 8.619 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. 0.05 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

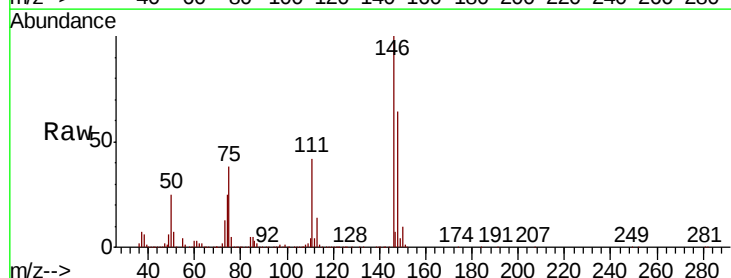
Tgt Ion:146 Resp: 2197212

Ion Ratio Lower Upper

146 100

111 44.5 22.9 68.8

148 65.7 33.6 100.8

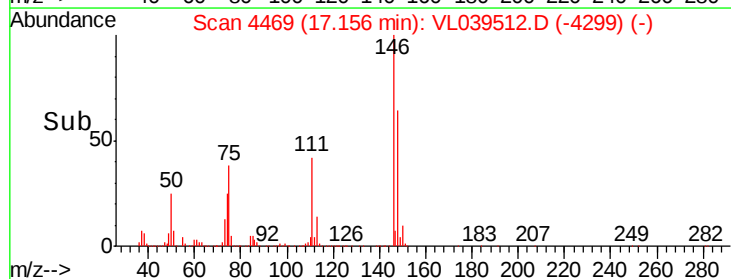
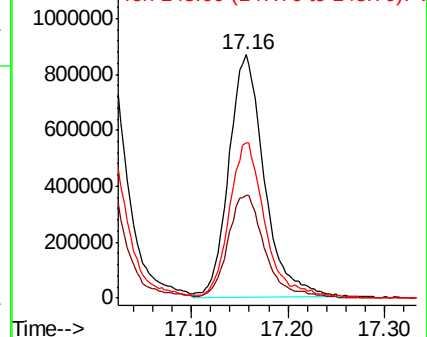


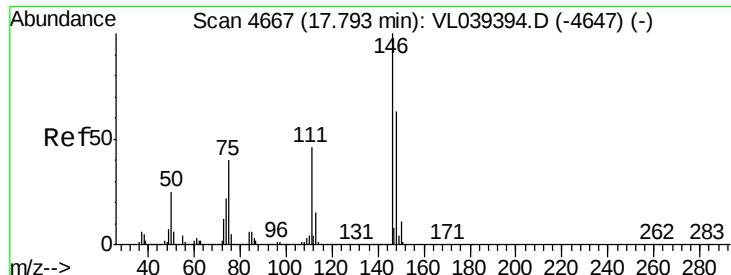
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

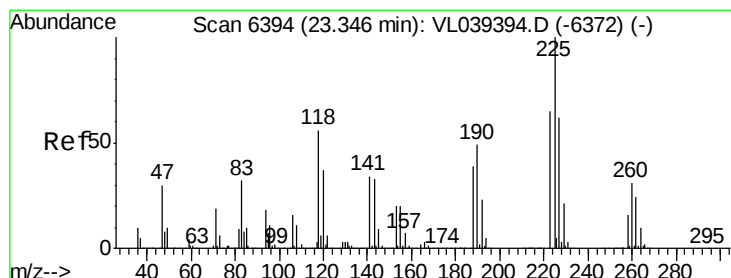
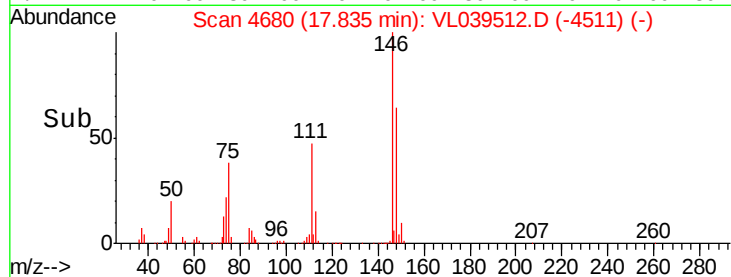
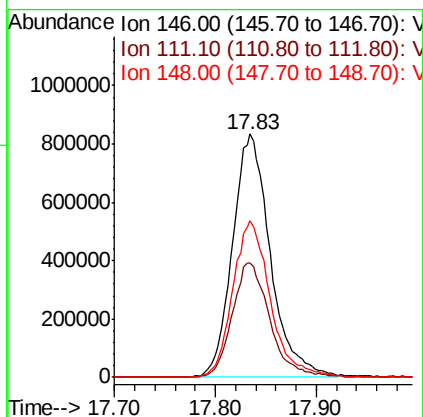
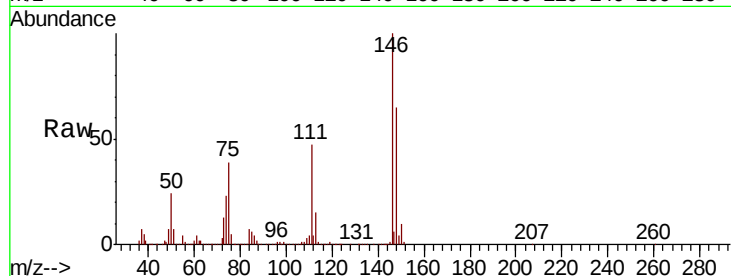
Ion 148.00 (147.70 to 148.70): V





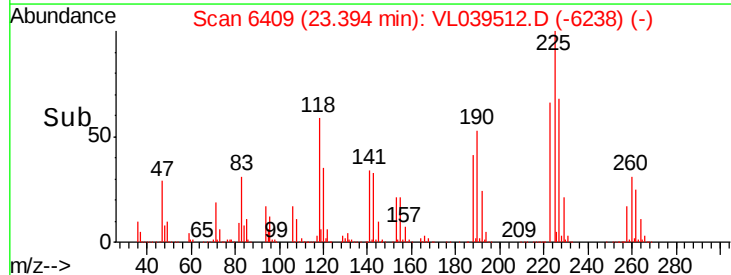
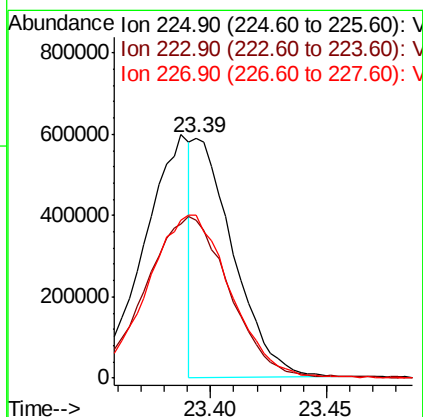
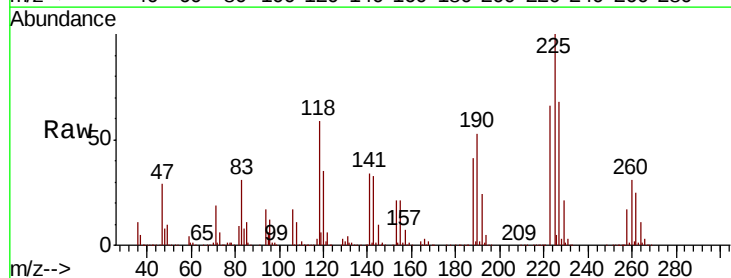
#77
 1,2-Dichlorobenzene
 Concen: 8.455 ppbv
 RT: 17.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0720ABS01
 Acq: 20 Jul 2022 15:57

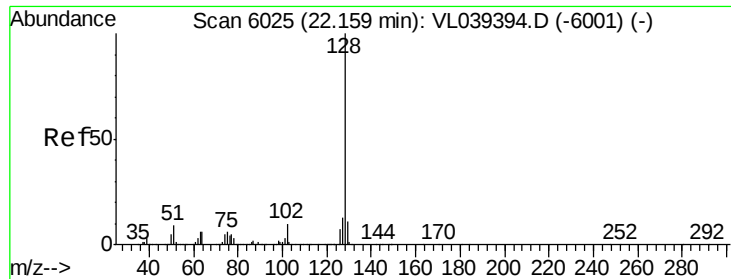
Tot Ion:146 Resp: 2155585
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.8 71.5
 148 64.6 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 3.426 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.05 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

Tgt Ion:225 Resp: 702463
 Ion Ratio Lower Upper
 225 100
 223 144.2 51.8 77.6#
 227 144.2 51.4 77.2#





#79

Naphthalene

Concen: 10.098 ppbv

RT: 22.21 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 15:57

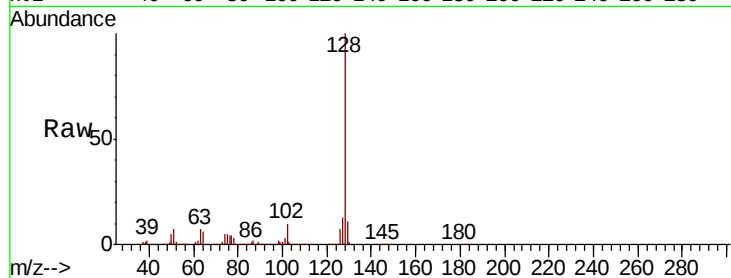
Tot Ion:128 Resp: 2996358

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

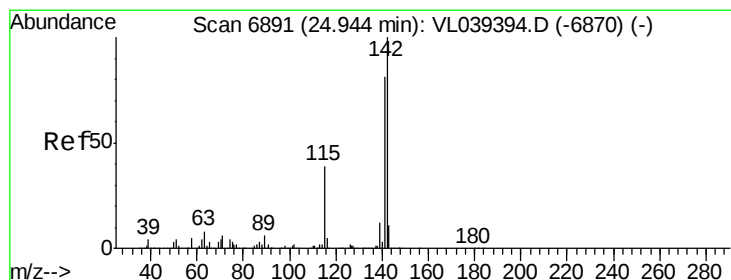
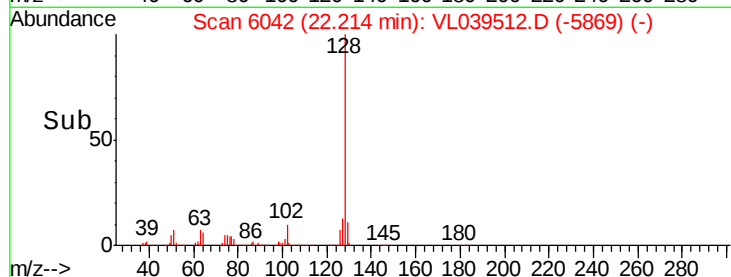
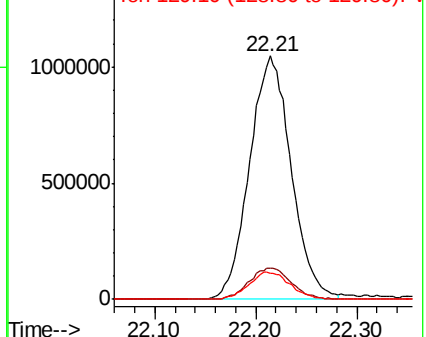
129 10.8 8.8 13.2



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: 11.067 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. 0.04 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

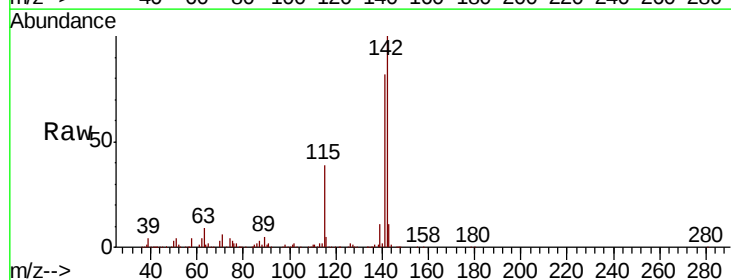
Tgt Ion:142 Resp: 1117721

Ion Ratio Lower Upper

142 100

141 85.7 68.9 103.3

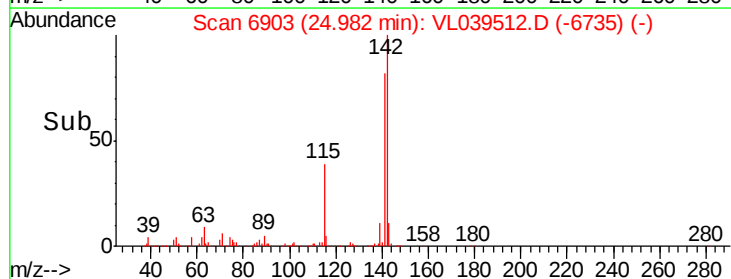
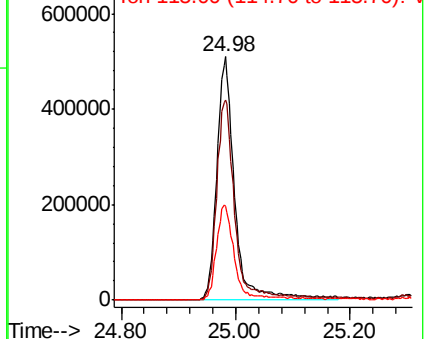
115 39.8 30.0 45.0

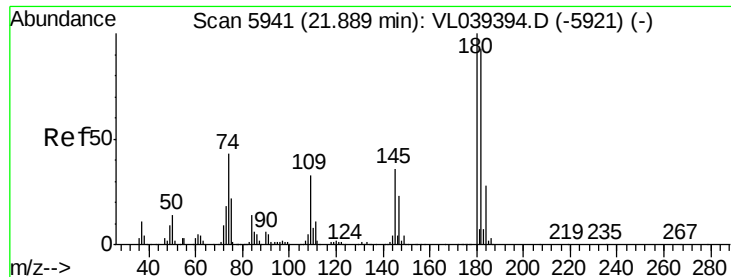


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.966 ppbv

RT: 21.94

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

VL0720ABS01

Acq: 20 Jul 2022 15:57

Tot Ion:180 Resp: 1732951

Ion Ratio Lower Upper

180 100

182 98.1 77.1 115.7

184 31.1 24.3 36.5

