

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060322\
 Data File : VL039156.D
 Acq On : 3 Jun 2022 16:46
 Operator : SY/AP
 Sample : N3106-03 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Quant Time: Jun 04 00:15:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1224621	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2953494	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2673857	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2262871	10.24	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

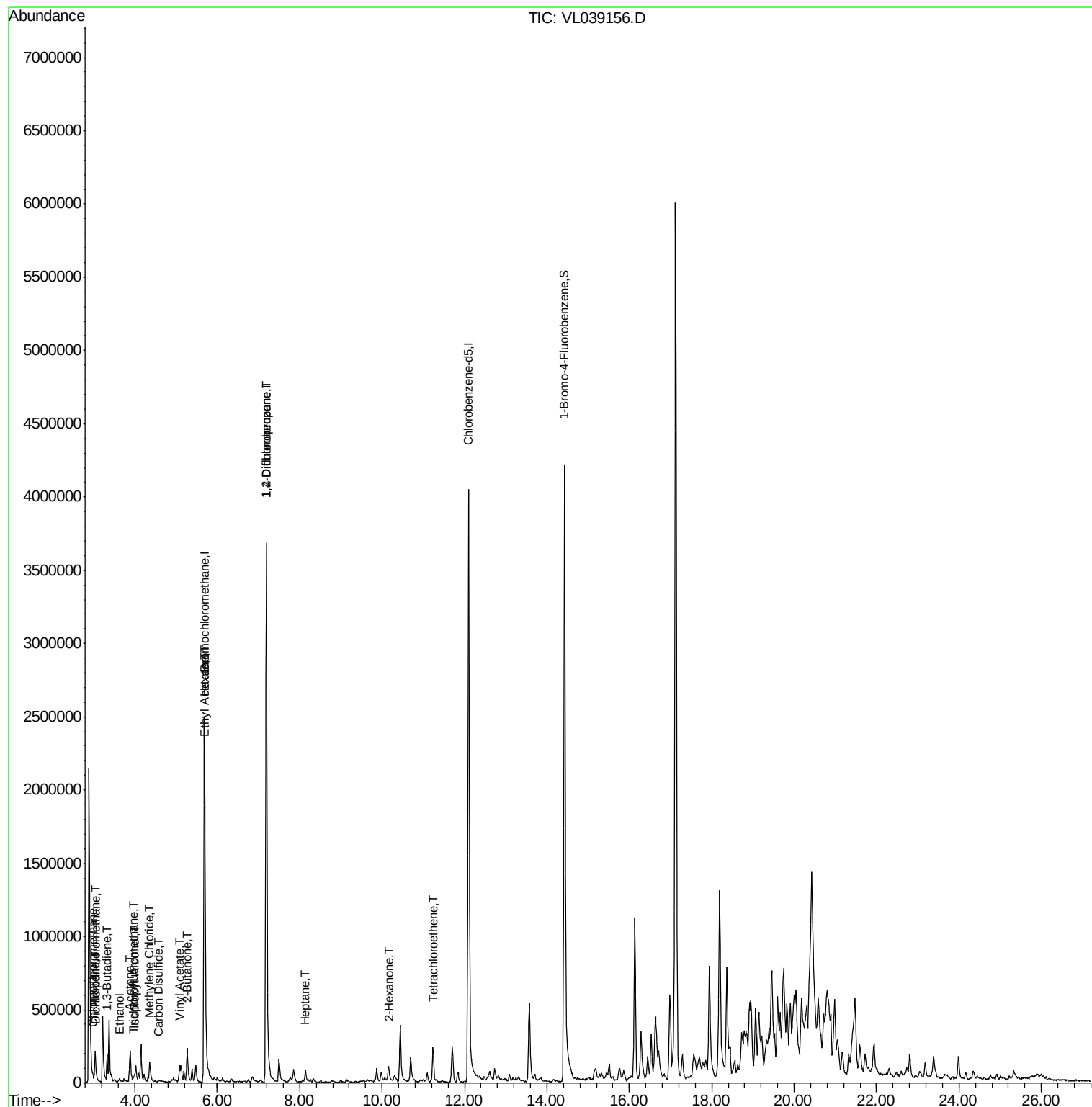
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	20352	0.095 ppbv	92
3) Chlorodifluoromethane	2.98	51	50143	0.322 ppbv #	66
9) Propene	3.03	41	67070	0.987 ppbv	83
10) Heptane	8.14	43	33855	0.214 ppbv	89
11) Trichlorofluoromethane	3.96	101	5880	0.030 ppbv	93
13) Ethanol	3.62	45	17965	4.848 ppbv #	100
15) Acetone	3.87	43	65714	0.515 ppbv #	47
16) 1,3-Butadiene	3.32	39	56297	0.821 ppbv #	14
19) Isopropyl Alcohol	3.99	45	56314	0.941 ppbv #	93
20) Methylene Chloride	4.36	84	43931	0.817 ppbv	92
23) Vinyl Acetate	5.09	43	136323	1.292 ppbv #	97
25) Ethyl Acetate	5.70	43	168307	0.585 ppbv #	75
26) Hexane	5.70	57	239205	1.893 ppbv #	25
27) Carbon Disulfide	4.56	76	4254	0.032 ppbv #	1
34) 2-Butanone	5.27	43	320172	1.995 ppbv	98
39) 1,2-Dichloropropane	7.19	63	801796	8.407 ppbv #	25
51) 2-Hexanone	10.16	43	97484	0.522 ppbv #	99
52) Tetrachloroethene	11.24	164	34675	0.370 ppbv	90

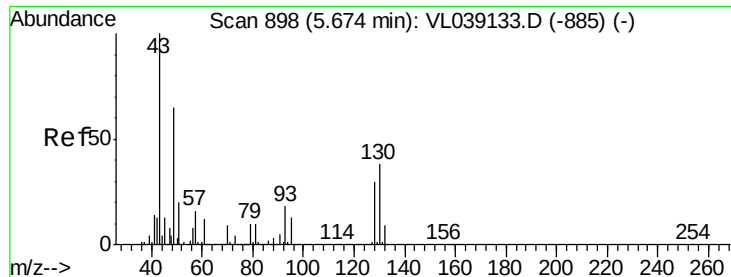
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060322\
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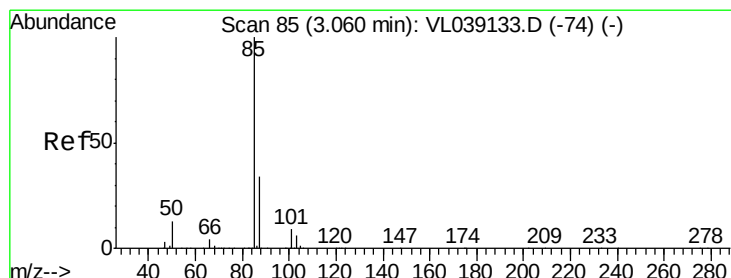
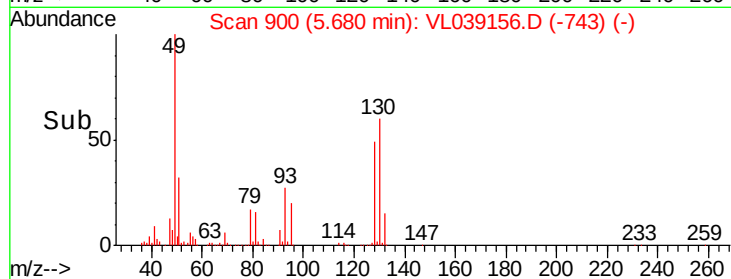
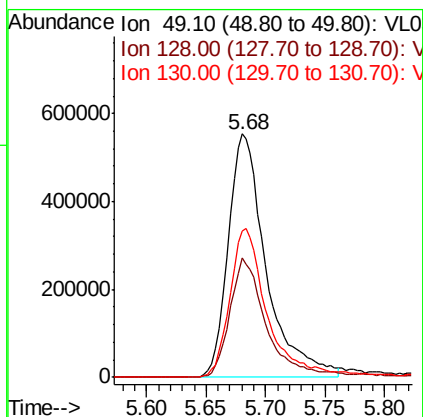
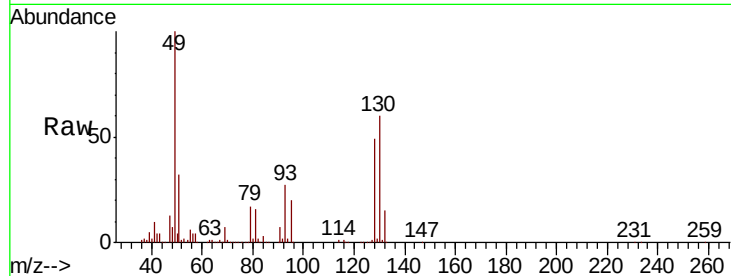
Quant Time: Jun 04 00:15:55 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
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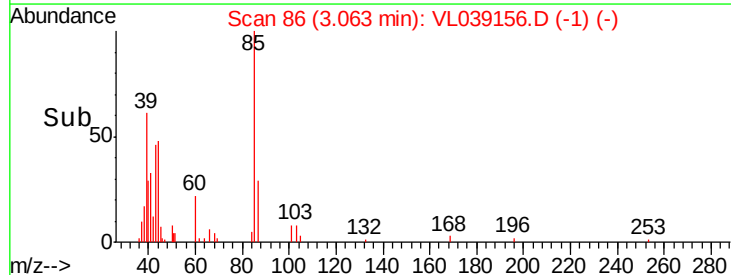
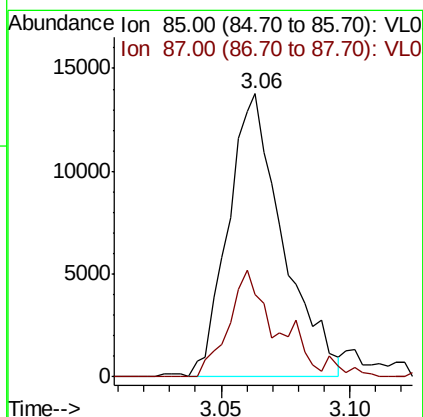
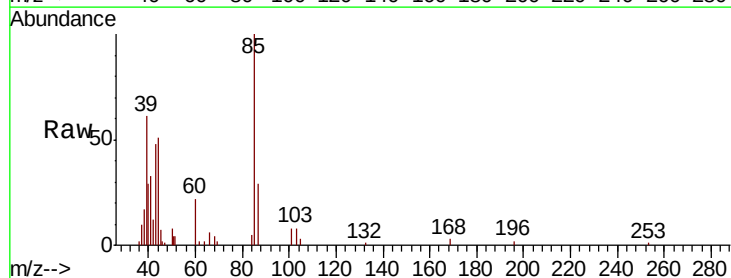
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SV3
 Acq: 3 Jun 2022 16:46

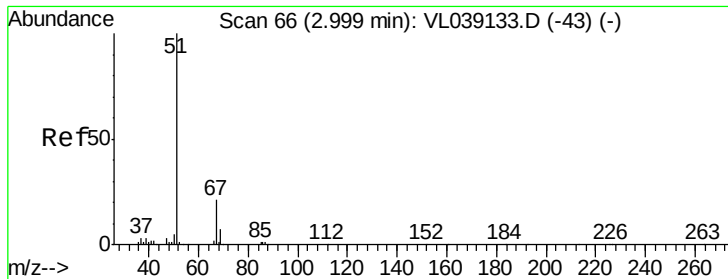
Tot Ion: 49 Resp: 1224621
 Ion Ratio Lower Upper
 49 100
 128 48.6 24.7 74.1
 130 62.4 31.4 94.0



#2
 Dichlorodifluoromethane
 Concen: 0.095 ppbv
 RT: 3.06 min Scan# 86
 Delta R.T.: 0.00 min
 Lab File: VL039156.D
 Acq: 3 Jun 2022 16:46

Tgt Ion: 85 Resp: 20352
 Ion Ratio Lower Upper
 85 100
 87 29.0 26.9 40.3





#3

Chlorodifluoromethane

Concen: 0.322 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV3

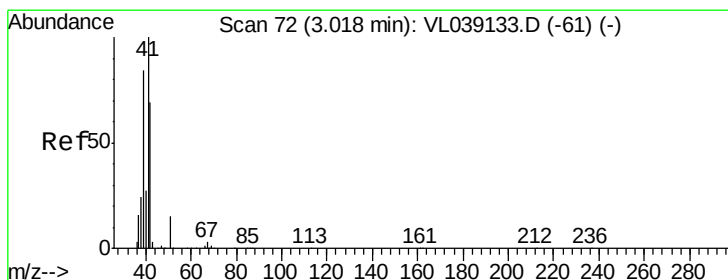
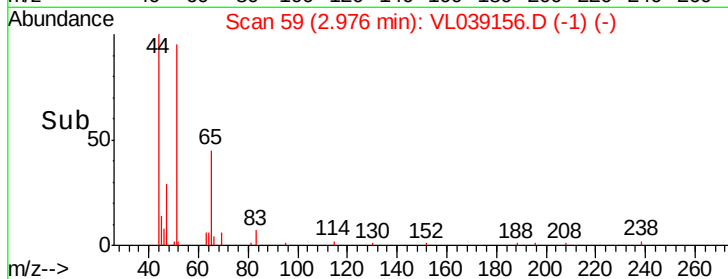
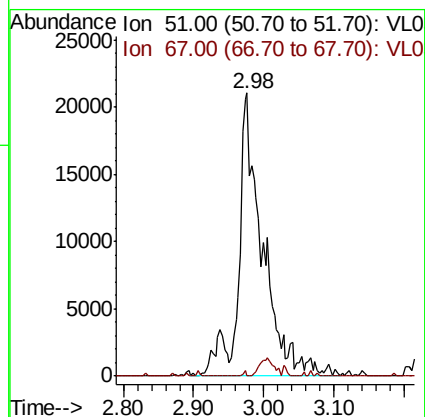
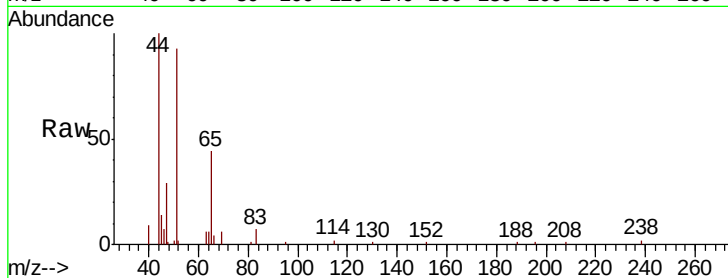
Acq: 3 Jun 2022 16:46

Tot Ion: 51 Resp: 50143

Ion Ratio Lower Upper

51 100

67 4.5 16.2 24.4#



#9

Propene

Concen: 0.987 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.01 min

Lab File: VL039156.D

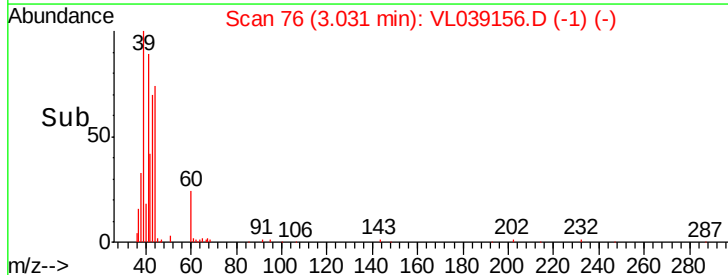
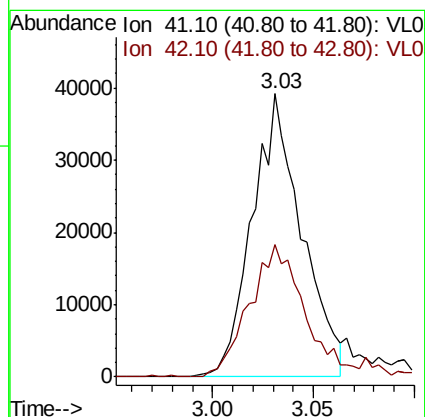
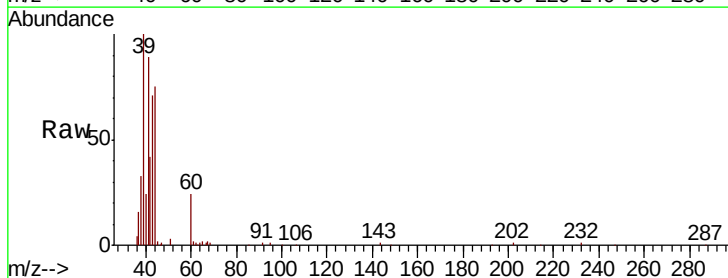
Acq: 3 Jun 2022 16:46

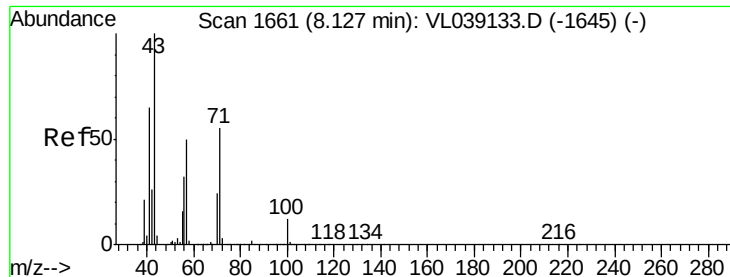
Tgt Ion: 41 Resp: 67070

Ion Ratio Lower Upper

41 100

42 55.6 55.4 83.2





#10

Heptane

Concen: 0.214 ppbv

RT: 8.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

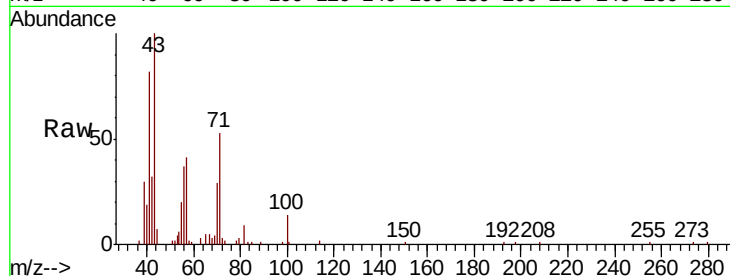
Acq: 3 Jun 2022 16:46 SV3

Tot Ion: 43 Resp: 33855

Ion Ratio Lower Upper

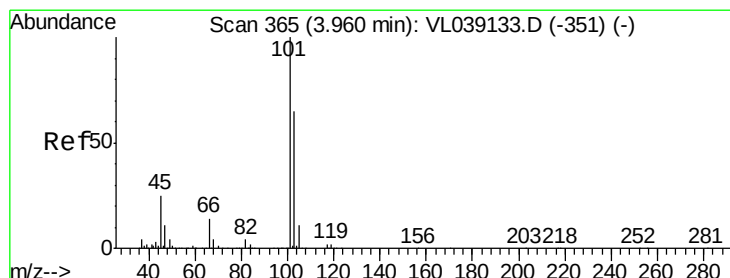
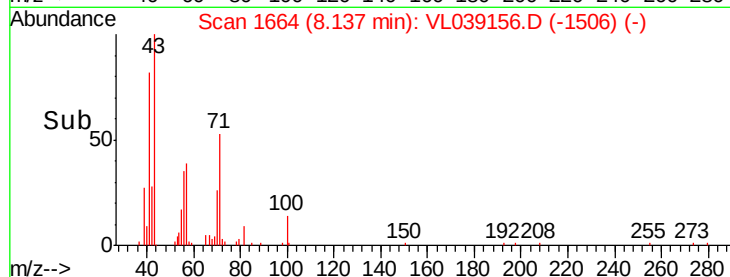
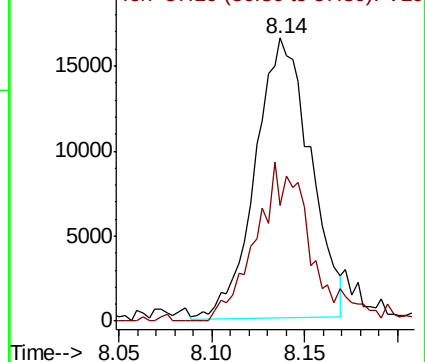
43 100

57 59.6 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.030 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VL039156.D

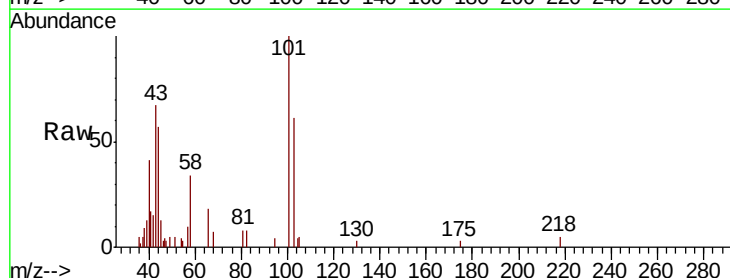
Acq: 3 Jun 2022 16:46

Tgt Ion: 101 Resp: 5880

Ion Ratio Lower Upper

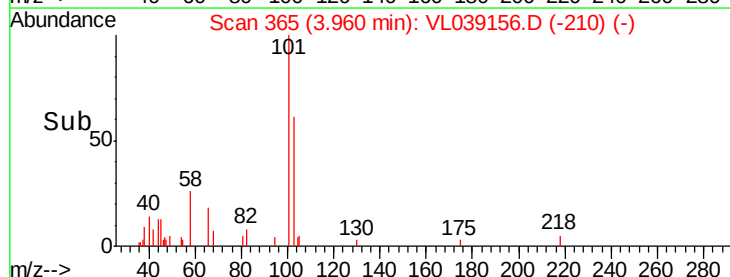
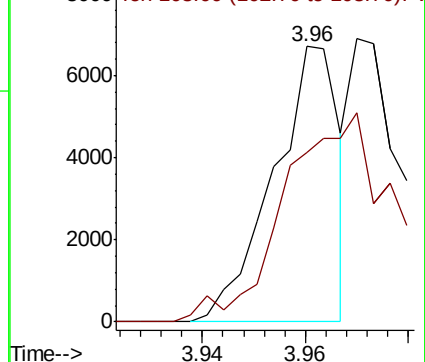
101 100

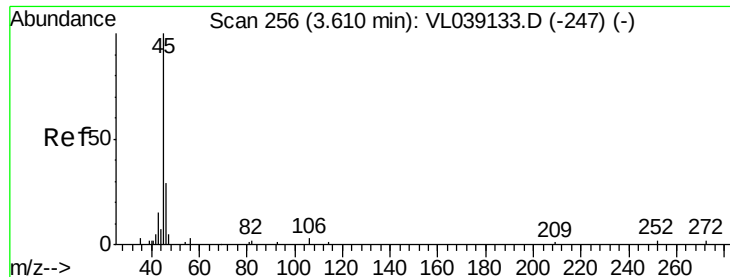
103 58.8 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

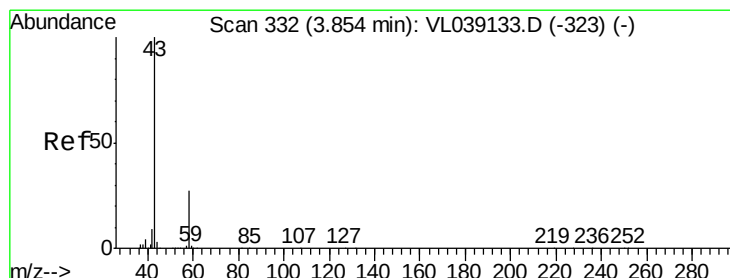
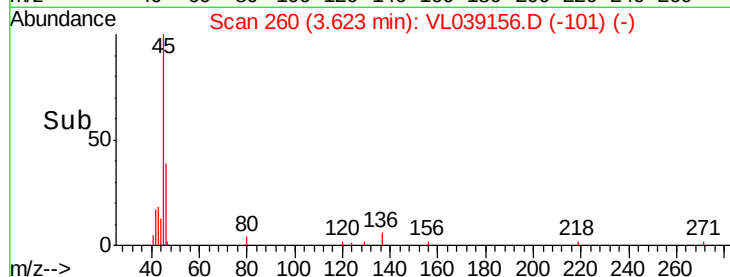
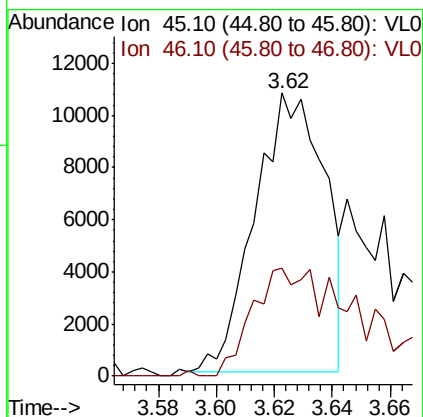
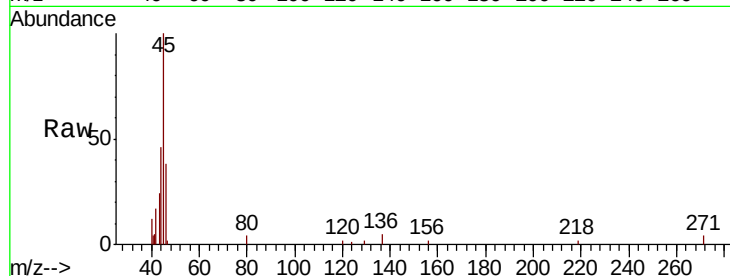
Ion 103.00 (102.70 to 103.70): V





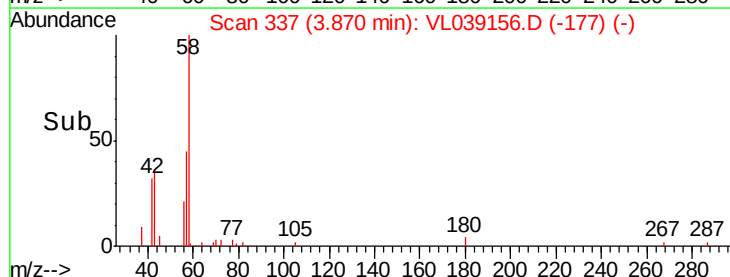
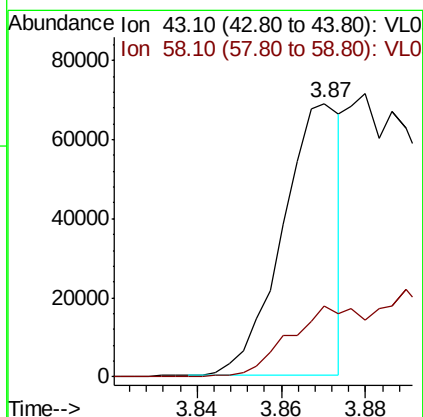
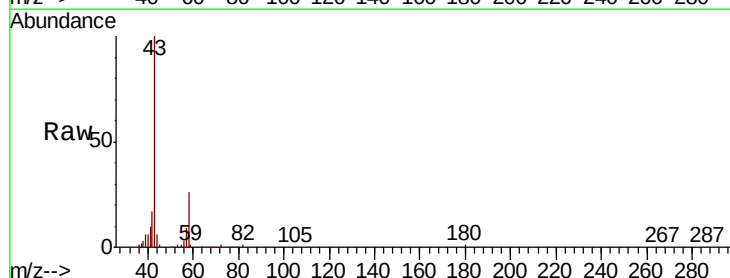
#13
Ethanol
Concen: 4.848 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV3
Acq: 3 Jun 2022 16:48

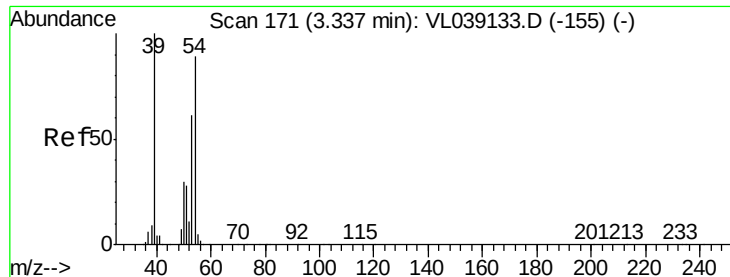
Tot Ion: 45 Resp: 17965
Ion Ratio Lower Upper
45 100
46 73.4 0.0 0.0#



#15
Acetone
Concen: 0.515 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL039156.D
Acq: 3 Jun 2022 16:46

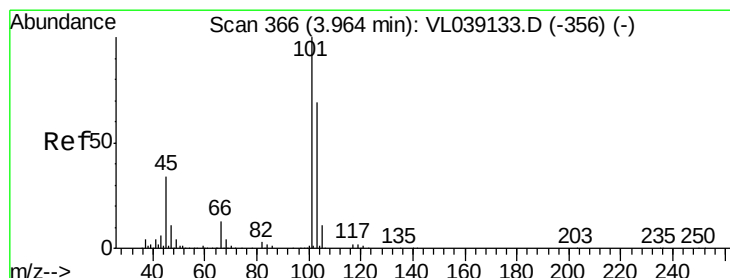
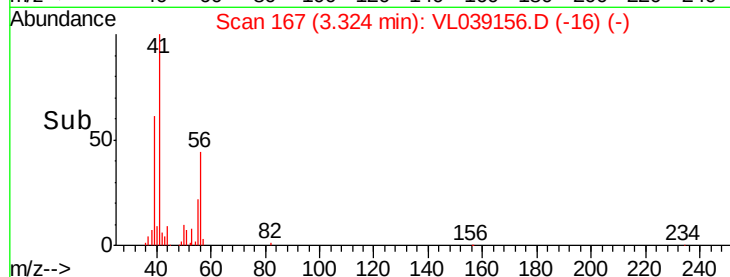
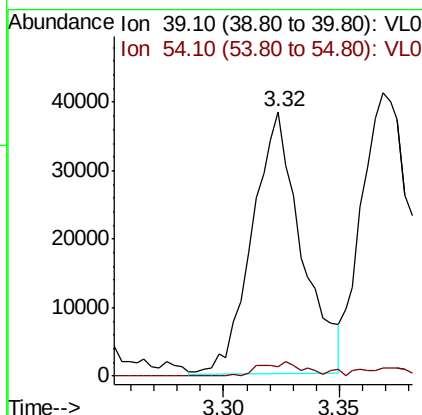
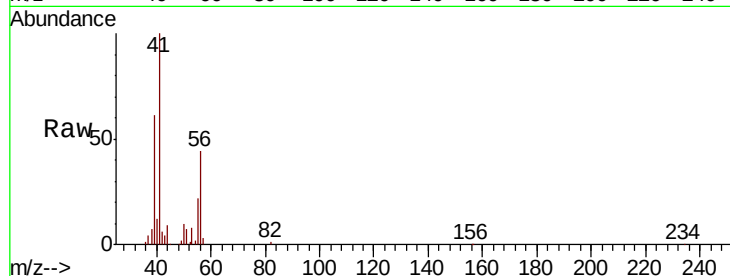
Tgt Ion: 43 Resp: 65714
Ion Ratio Lower Upper
43 100
58 0.0 22.5 33.7#





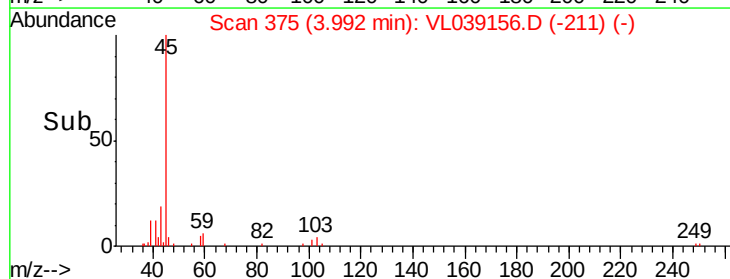
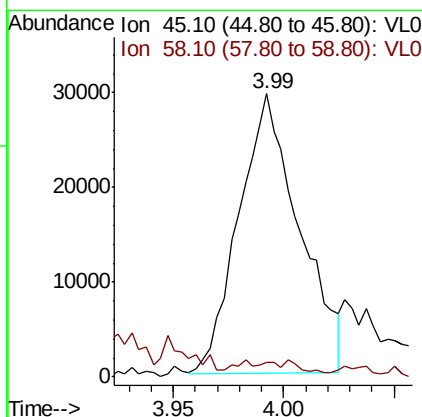
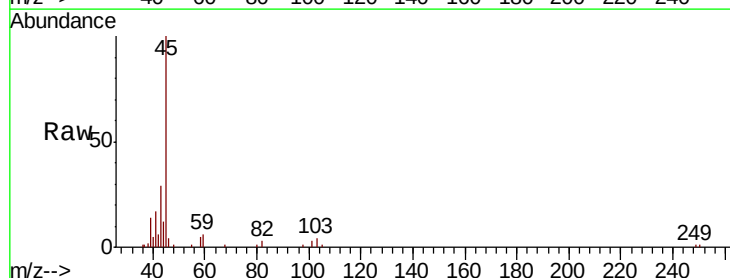
#16
 1,3-Butadiene
 Concen: 0.821 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV3
 Acq: 3 Jun 2022 16:46

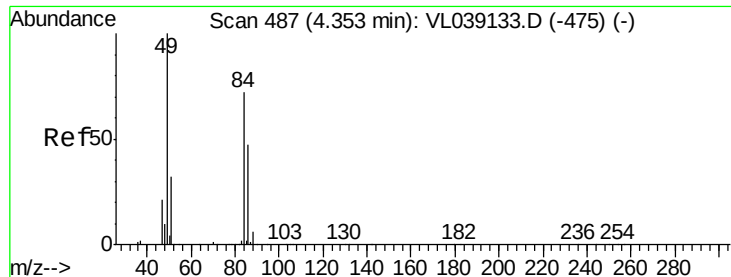
Tot Ion: 39 Resp: 56297
 Ion Ratio Lower Upper
 39 100
 54 5.3 65.8 98.6#



#19
 Isopropyl Alcohol
 Concen: 0.941 ppbv
 RT: 3.99 min Scan# 375
 Delta R.T. 0.03 min
 Lab File: VL039156.D
 Acq: 3 Jun 2022 16:46

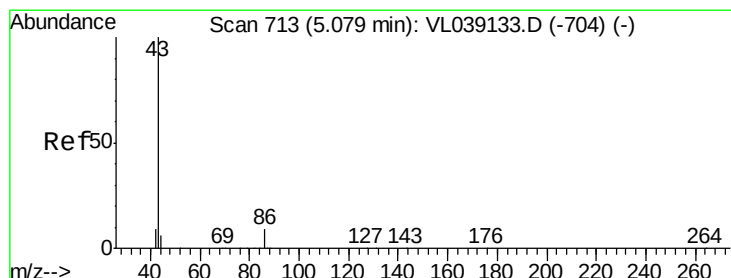
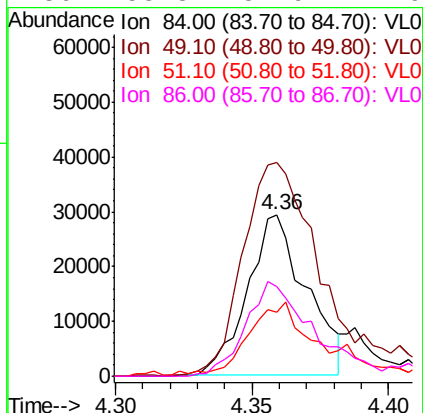
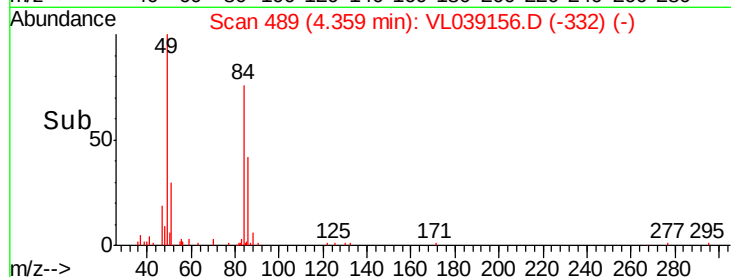
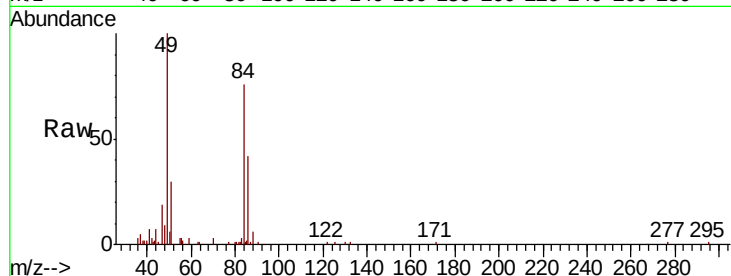
Tgt Ion: 45 Resp: 56314
 Ion Ratio Lower Upper
 45 100
 58 4.8 1.8 2.8#





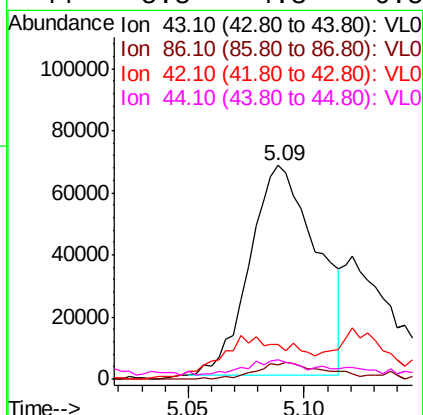
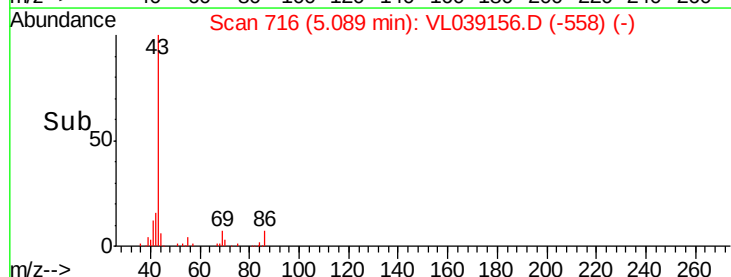
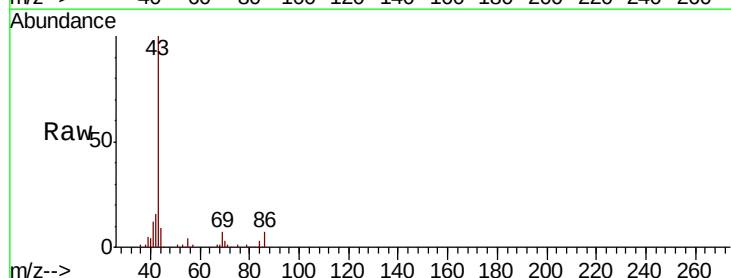
#20
Methvlene Chloride
Concen: 0.817 ppbv
RT: 4.36
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV3
Acq: 3 Jun 2022 16:46

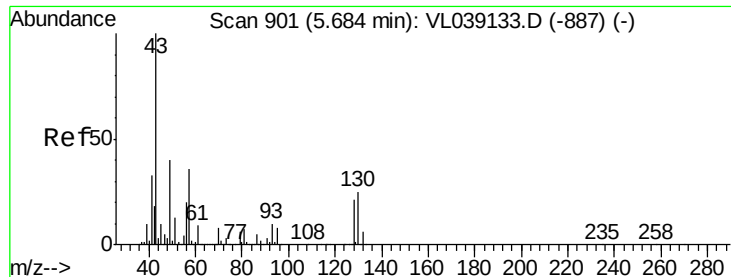
Tot Ion:	84	Resp:	43931
Ion	Ratio	Lower	Upper
84	100		
49	131.3	111.1	166.7
51	38.4	35.3	52.9
86	55.3	51.9	77.9



#23
Vinyl Acetate
Concen: 1.292 ppbv
RT: 5.09 min Scan# 716
Delta R.T. 0.01 min
Lab File: VL039156.D
Acq: 3 Jun 2022 16:46

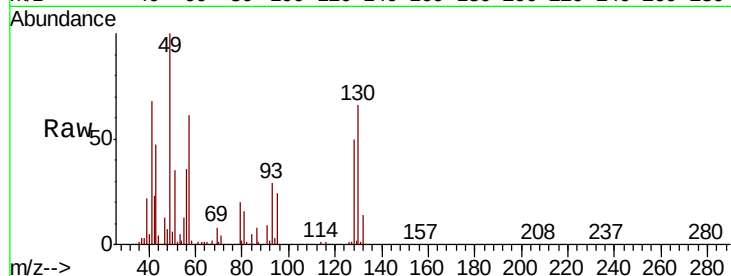
Tgt Ion:	43	Resp:	136323
Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.0	9.0
42	12.7	8.2	12.4#
44	5.3	4.3	6.5





#25
Ethyl Acetate
Concen: 0.585 ppbv
RT: 5.70 min
Delta R.T.: 0.01 min
Lab File: VL039156.D
Acq: 3 Jun 2022 16:46

Tot Ion:	43	Resp:	168307
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.2#
61	0.4	8.4	12.6#
70	0.0	5.6	8.4#



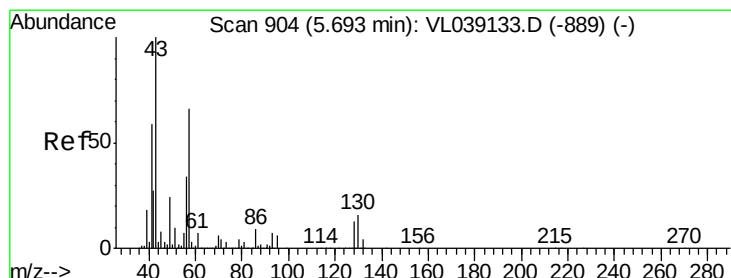
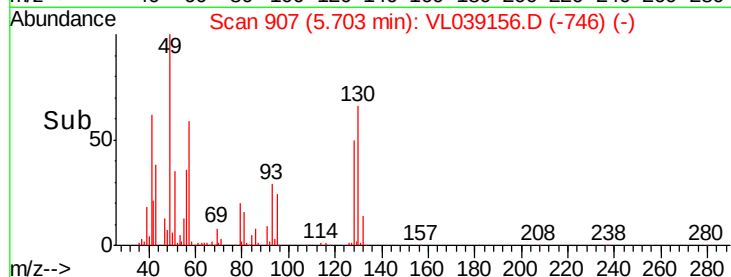
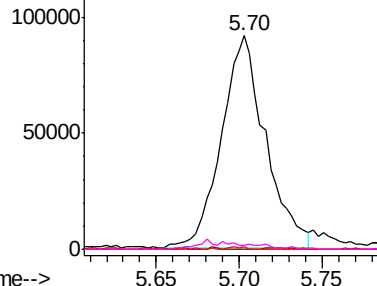
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

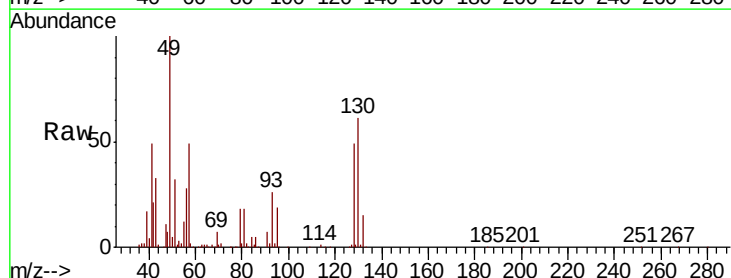
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 1.893 ppbv
RT: 5.70 min Scan# 906
Delta R.T.: 0.01 min
Lab File: VL039156.D
Acq: 3 Jun 2022 16:46

Tgt Ion:	57	Resp:	239205
Ion	Ratio	Lower	Upper
57	100		
41	138.6	72.4	108.6#
43	74.5	187.0	280.6#
56	68.5	41.8	62.6#



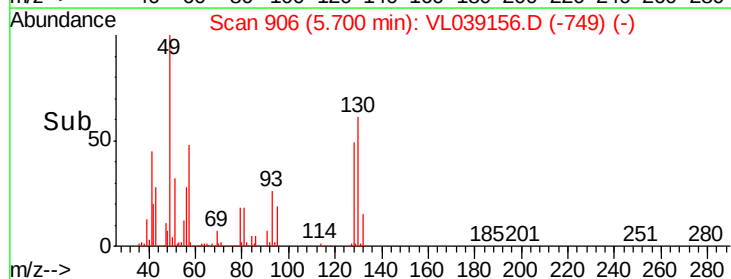
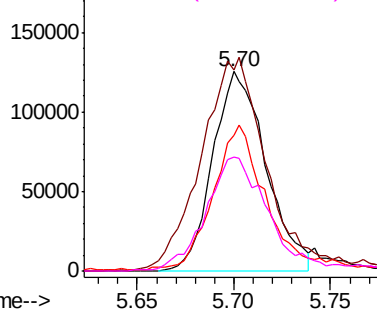
Abundance

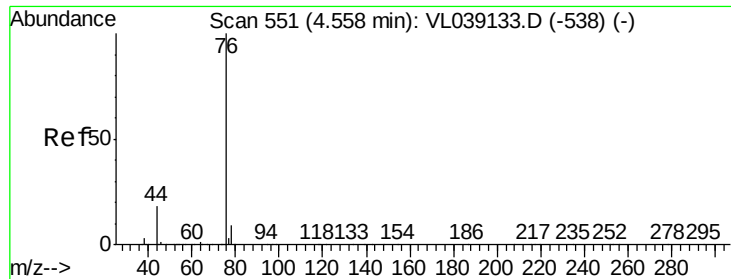
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.032 ppbv

RT: 4.56 Instrument: MSVOA_1

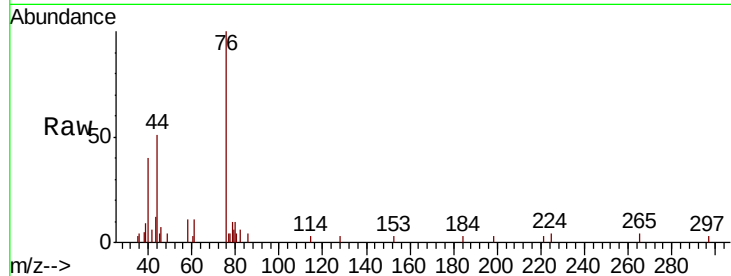
Delta R.T.

Lab File: ClientSampleId:

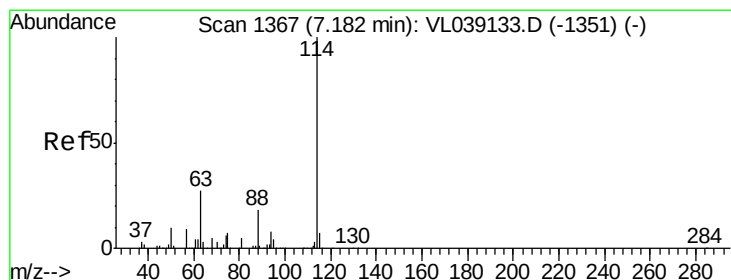
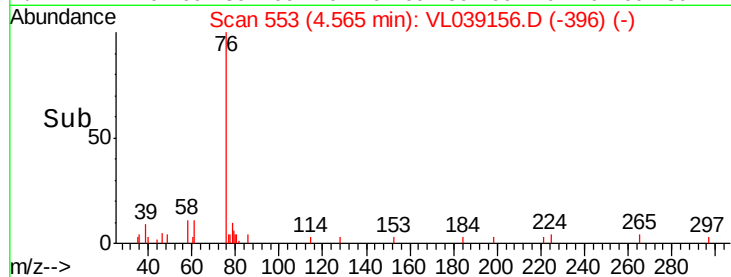
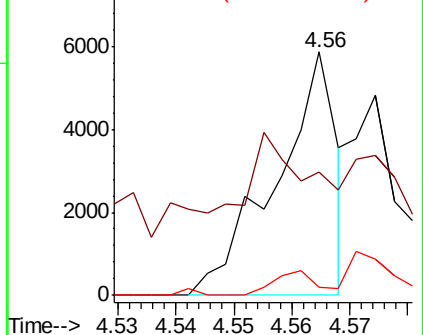
Acq: 3 Jun 2022 16:46

Tot Ion: 76 Resp: 4254

Ion	Ratio	Lower	Upper
76	100		
44	91.4	14.4	21.6#
78	0.0	7.7	11.5#



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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

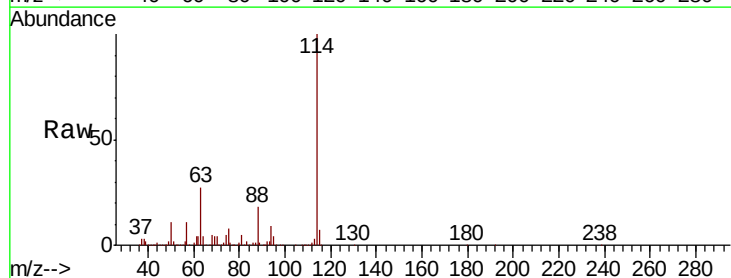
Delta R.T. 0.01 min

Lab File: VL039156.D

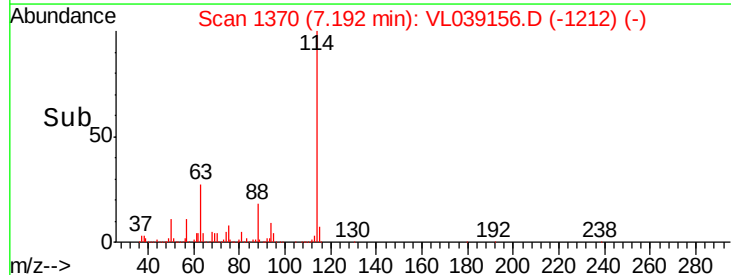
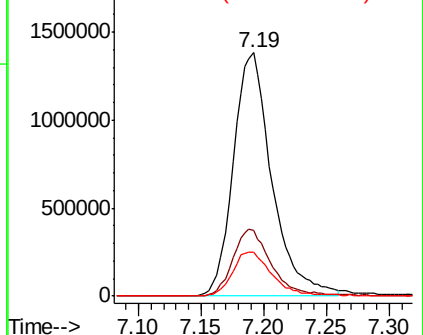
Acq: 3 Jun 2022 16:46

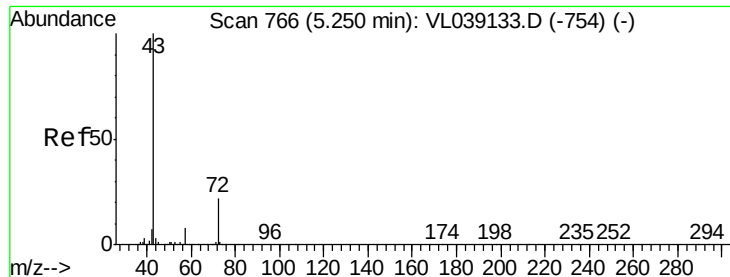
Tgt Ion: 114 Resp: 2953494

Ion	Ratio	Lower	Upper
114	100		
63	27.9	21.7	32.5
88	19.0	14.8	22.2



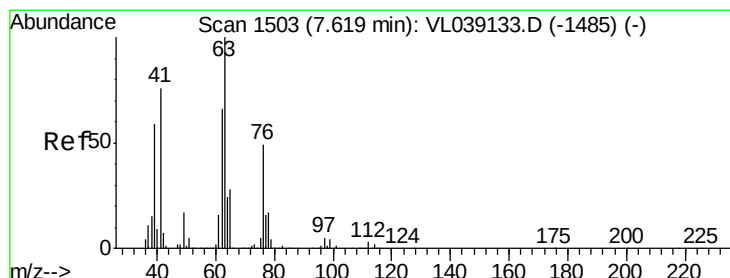
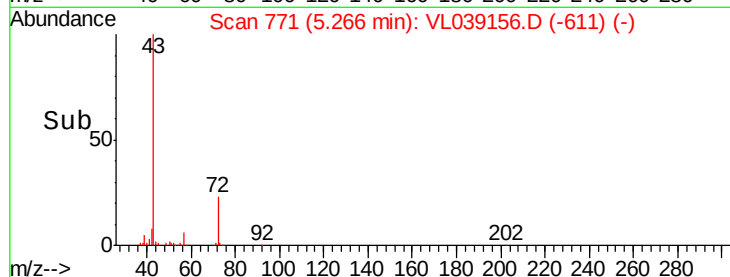
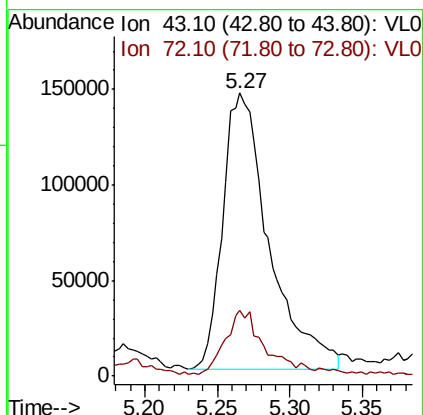
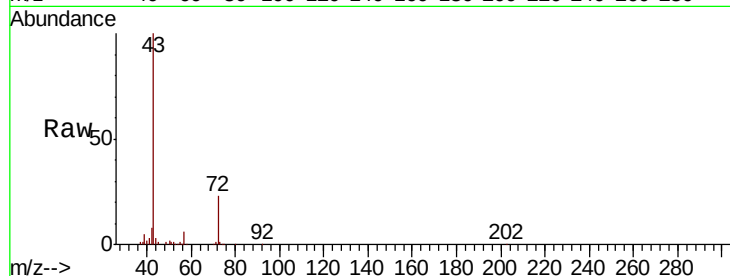
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





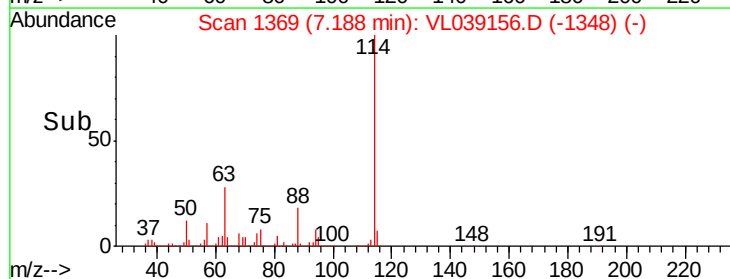
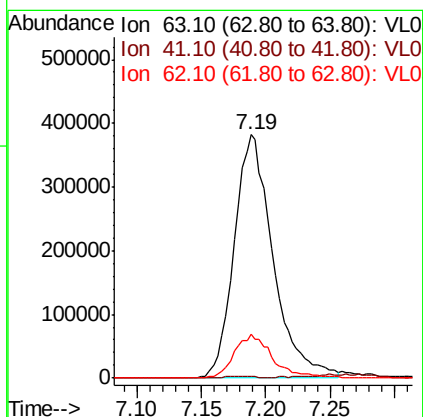
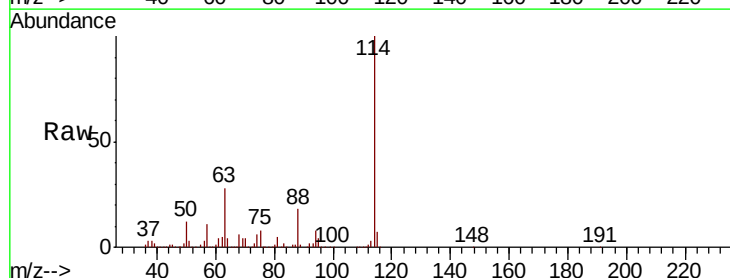
#34
 2-Butanone
 Concen: 1.995 ppbv
 RT: 5.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV3
 Acq: 3 Jun 2022 16:46

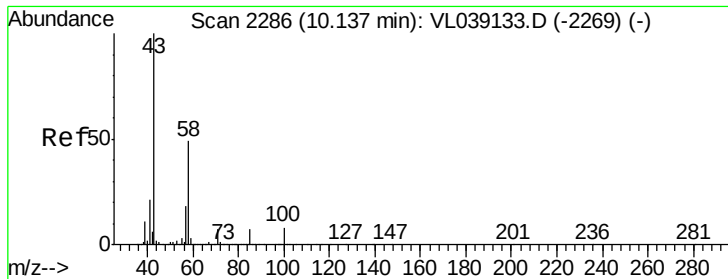
Tot Ion: 43 Resp: 320172
 Ion Ratio Lower Upper
 43 100
 72 23.9 18.2 27.2



#39
 1,2-Dichloropropane
 Concen: 8.407 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.43 min
 Lab File: VL039156.D
 Acq: 3 Jun 2022 16:46

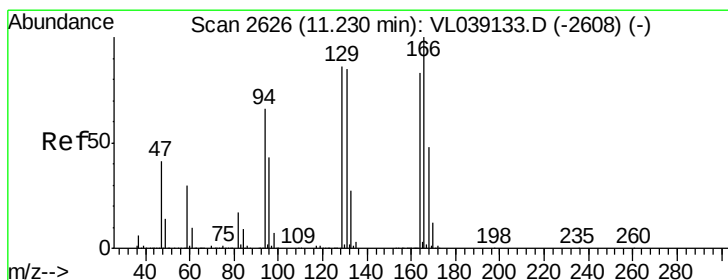
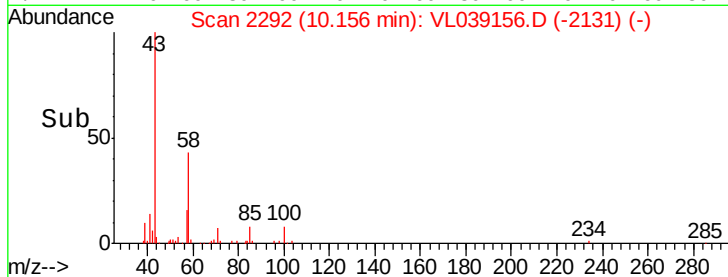
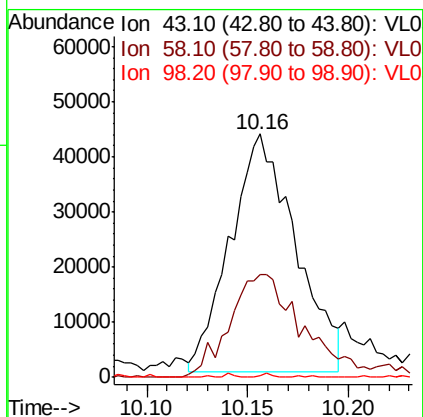
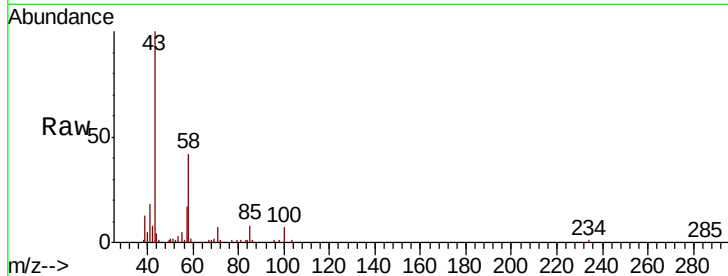
Tgt Ion: 63 Resp: 801796
 Ion Ratio Lower Upper
 63 100
 41 0.6 60.8 91.2#
 62 18.2 52.9 79.3#





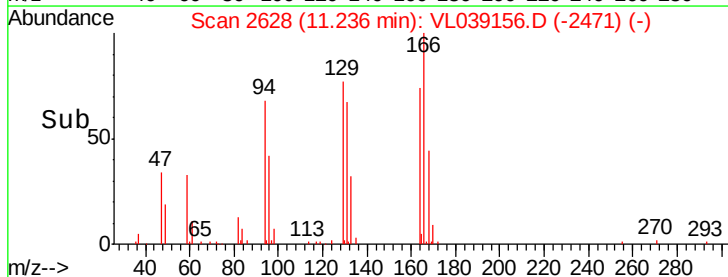
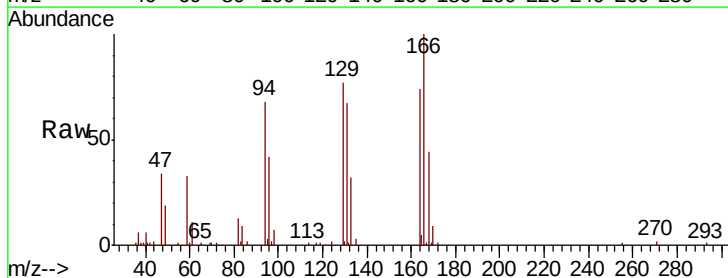
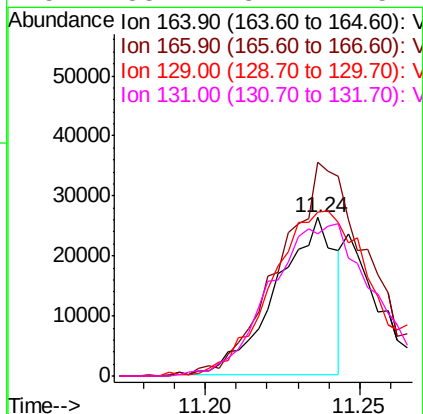
#51
 2-Hexanone
 Concen: 0.522 ppbv
 RT: 10.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Jun 2022 16:46

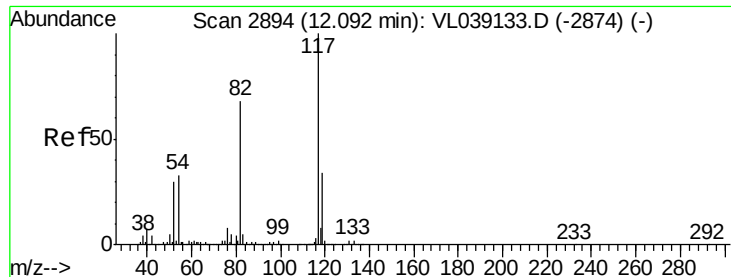
Tot Ion	43	Resp	97484
Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.0	60.0
98	0.4	0.1	0.1#



#52
 Tetrachloroethene
 Concen: 0.370 ppbv
 RT: 11.24 min Scan# 2628
 Delta R.T. 0.01 min
 Lab File: VL039156.D
 Acq: 3 Jun 2022 16:46

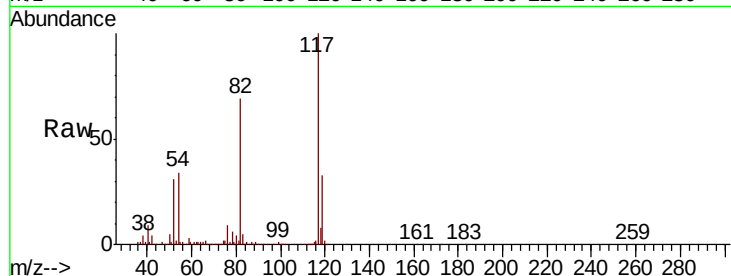
Tgt Ion	164	Resp	34675
Ion	Ratio	Lower	Upper
164	100		
166	135.7	96.3	144.5
129	103.7	82.5	123.7
131	88.7	82.1	123.1



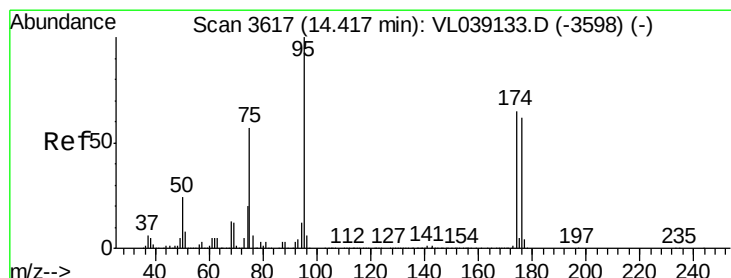
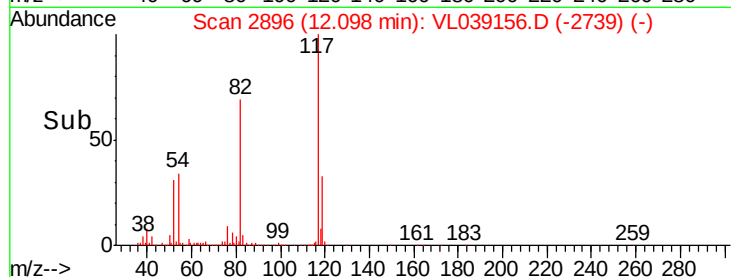
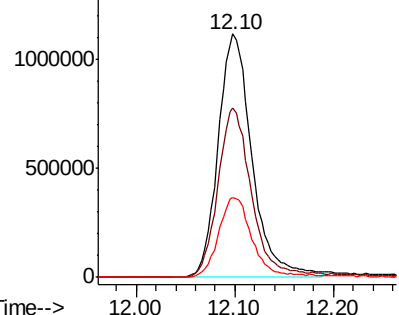


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV3
Acq: 3 Jun 2022 16:46

Tot Ion: 117 Resp: 2673857
Ion Ratio Lower Upper
117 100
82 71.6 55.1 82.7
119 33.6 24.7 37.1

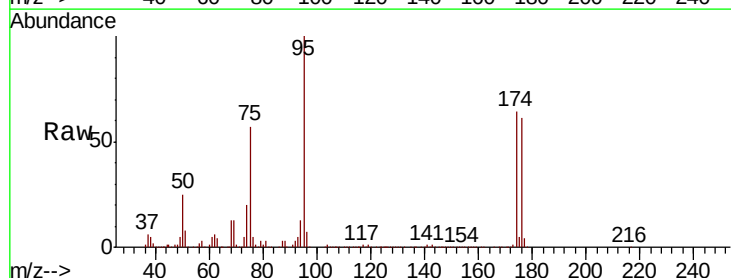


Abundance Ion 117.10 (116.80 to 117.80): V
1500000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.237 ppbv
RT: 14.43 min Scan# 3621
Delta R.T.: 0.01 min
Lab File: VL039156.D
Acq: 3 Jun 2022 16:46

Tgt Ion: 95 Resp: 2262871
Ion Ratio Lower Upper
95 100
174 66.2 53.8 80.8
175 4.7 4.1 6.1



Abundance Ion 95.10 (94.80 to 95.80): VL0
1200000 Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

