

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039001.D
 Acq On : 10 May 2022 00:22
 Operator : SY/AP
 Sample : N2696-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: May 10 05:47:03 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1144758	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3242273	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	514035	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	7225588	177.49	ppbv	0.07
Spiked Amount	10.000	Range	65 - 135	Recovery	= 1774.90%#	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	98007	0.546	ppbv 99
3) Chlorodifluoromethane	2.86	51	8088	0.057	ppbv 100
4) Chloromethane	3.13	50	26171	0.368	ppbv 93
8) Dichlorotetrafluoroethane	3.11	85	6615	0.041	ppbv # 61
9) Propene	3.00	41	3766116	60.711	ppbv 88
10) Heptane	8.16	43	49619812	326.039	ppbv # 65
11) Trichlorofluoromethane	3.94	101	30578	0.199	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	3537	0.033	ppbv # 15
13) Ethanol	3.59	45	236356	53.839	ppbv 89
15) Acetone	3.83	43	1652417	15.302	ppbv 91
16) 1,3-Butadiene	3.29	39	1860986	29.996	ppbv # 25
17) tert-Butyl alcohol	4.27	59	542856	6.541	ppbv 97
19) Isopropyl Alcohol	3.95	45	212595	4.141	ppbv # 95
20) Methylene Chloride	4.33	84	322728	7.930	ppbv 96
21) Allyl Chloride	4.39	41	18245	0.248	ppbv # 19
23) Vinyl Acetate	5.04	43	1084654	12.695	ppbv # 1
24) 1,1-Dichloroethane	5.04	63	3114	0.032	ppbv # 89
25) Ethyl Acetate	5.67	43	6905581	26.718	ppbv # 77
26) Hexane	5.67	57	9163421	79.794	ppbv # 39
27) Carbon Disulfide	4.54	76	286609	2.627	ppbv 94
28) Methyl tert-Butyl Ether	5.02	73	16969	0.194	ppbv # 52
29) Chloroform	5.74	83	12603	0.068	ppbv 97
30) Cyclohexane	7.11	84	1744048	18.139	ppbv # 81
32) 1,1,1-Trichloroethane	6.49	97	308601	1.661	ppbv 98
34) 2-Butanone	5.22	43	874103	5.284	ppbv 99
36) Benzene	6.87	78	778237	2.805	ppbv # 96
37) 1,2-Dichloroethane	6.29	62	7371	0.043	ppbv # 83
39) 1,2-Dichloropropane	7.49	63	122518	1.135	ppbv # 1
40) 1,4-Dioxane	7.82	88	54341	1.401	ppbv # 1
41) Tetrahydrofuran	6.02	42	348503	3.135	ppbv 93
42) Bromodichloromethane	7.79	83	2844705	12.120	ppbv # 25
43) Methyl Methacrylate	7.87	69	8035685	71.337	ppbv # 62
44) 2,2,4-Trimethylpentane	7.87	57	5914532	12.148	ppbv # 1
47) 1,1,2-Trichloroethane	9.37	97	4634714	41.277	ppbv # 50
50) 4-Methyl-2-Pentanone	8.73	43	359551	1.240	ppbv # 39
51) 2-Hexanone	10.16	43	21902306	103.461	ppbv # 68
52) Tetrachloroethene	11.26	164	256899	2.591	ppbv 89
53) Toluene	9.80	91	2459368	7.908	ppbv 86
57) Chlorobenzene	12.14	112	75475	1.959	ppbv # 45
58) Ethyl Benzene	12.75	91	80148	1.083	ppbv # 85
59) m/p-Xylene	13.04	91	920784	14.580	ppbv # 33

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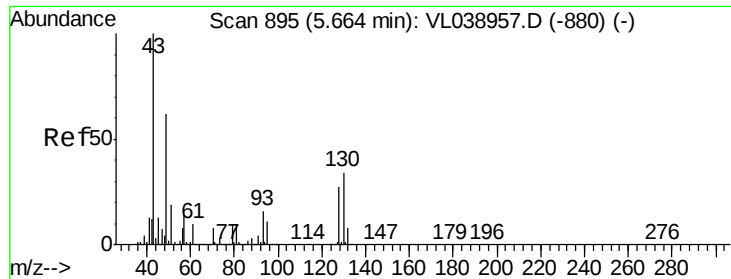
Quant Time: May 10 05:47:03 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

60) o-Xylene	13.77	91	603421	10.152	ppbv #	32
62) Isopropylbenzene	14.45	105	7126	0.082	ppbv	90
63) 1,1,2,2-Tetrachloroethane	13.66	83	921788	26.337	ppbv #	24
64) n-propylbenzene	15.61	120	3106	0.148	ppbv #	1
65) tert-Butylbenzene	16.79	119	138512	1.819	ppbv #	57
66) Benzyl Chloride	17.00	91	8201	0.824	ppbv #	1
67) sec-Butylbenzene	17.33	105	255264	2.346	ppbv	99
69) p-Isopropyltoluene	17.67	119	15031	0.171	ppbv #	1
71) 2-Chlorotoluene	15.47	91	49248	0.735	ppbv #	45
72) 4-Ethyltoluene	15.86	105	633772	9.357	ppbv #	73
73) 1,3,5-Trimethylbenzene	16.10	105	212998	3.493	ppbv	91
74) 1,2,4-Trimethylbenzene	16.81	105	332366	4.978	ppbv #	77

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 10 May 2022 00:22

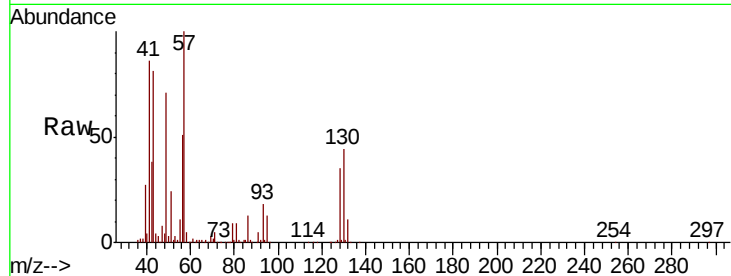
Tot Ion: 49 Resp: 1144758

Ion	Ratio	Lower	Upper
49	100		
128	48.7	23.3	69.8
130	63.3	29.8	89.3

49 100

128 48.7 23.3 69.8

130 63.3 29.8 89.3

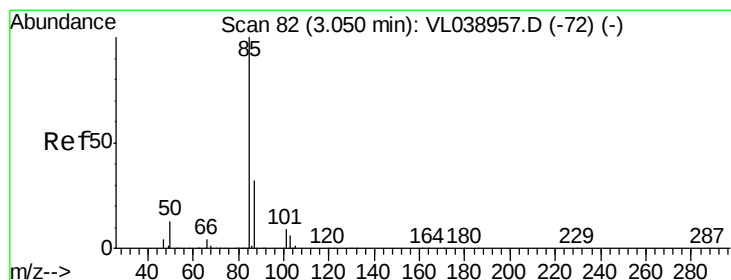
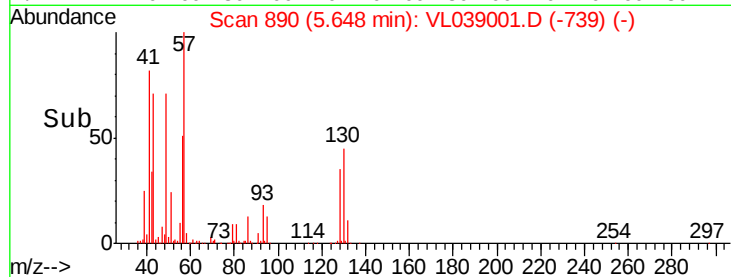
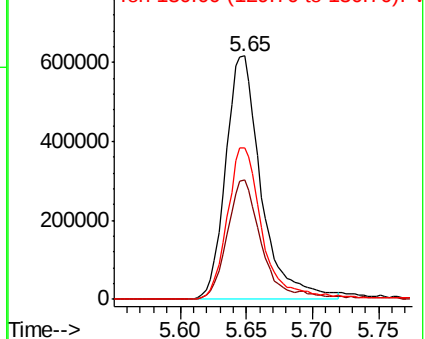


Abundance

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: 0.546 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL039001.D

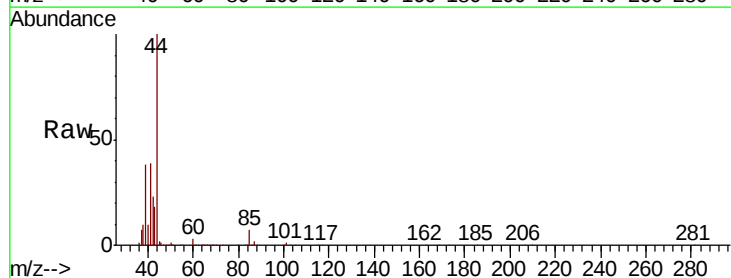
Acq: 10 May 2022 00:22

Tgt Ion: 85 Resp: 98007

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.7	38.5

85 100

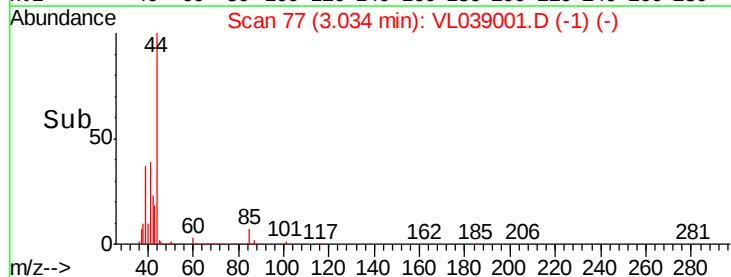
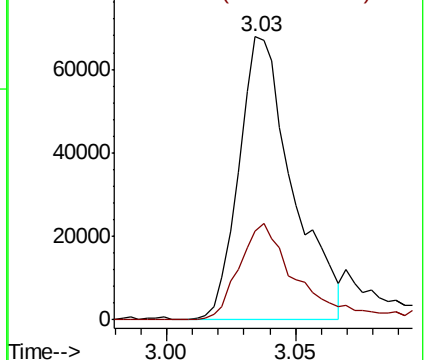
87 31.4 25.7 38.5

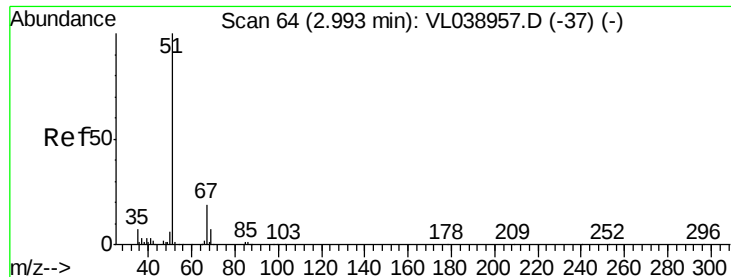


Abundance

Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.057 ppbv

RT: 2.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

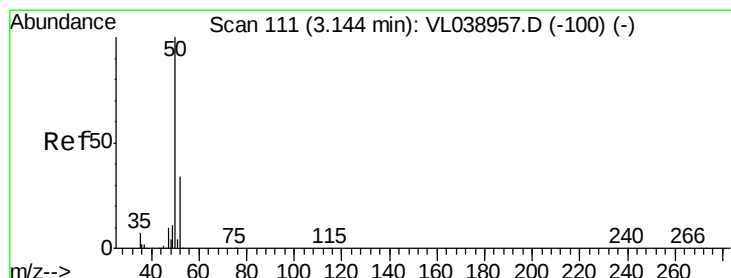
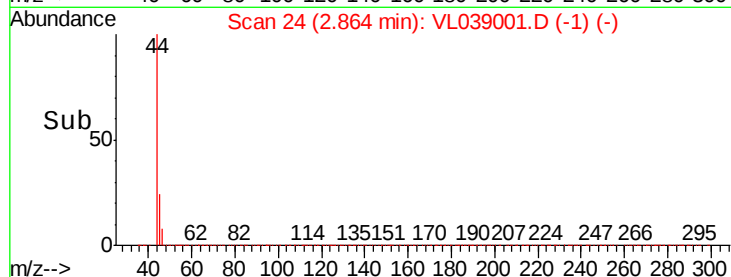
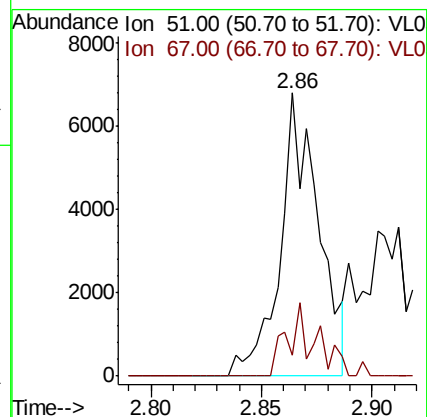
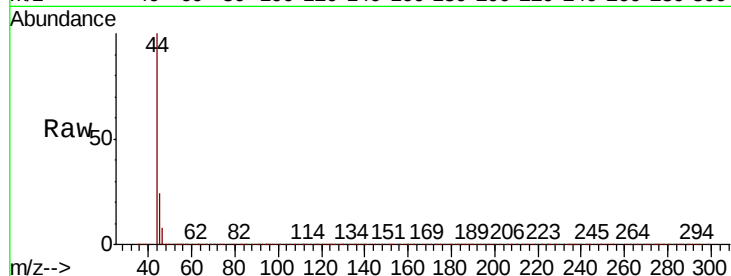
SV1 Acq: 10 May 2022 00:22

Tot Ion: 51 Resp: 8088

Ion Ratio Lower Upper

51 100

67 20.0 15.8 23.8



#4

Chloromethane

Concen: 0.368 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL039001.D

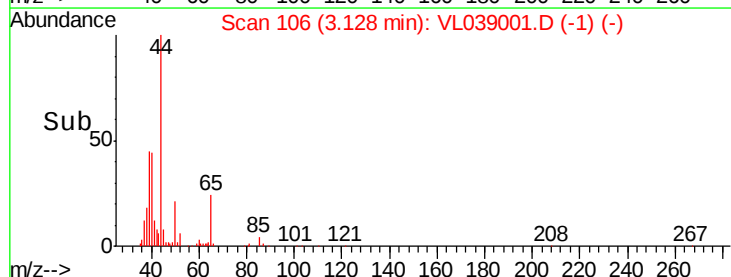
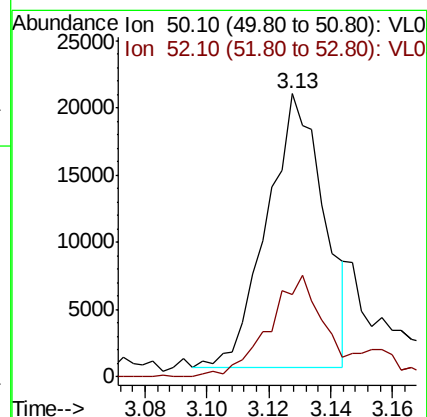
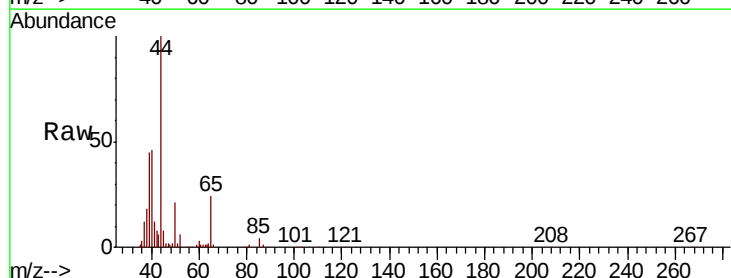
Acq: 10 May 2022 00:22

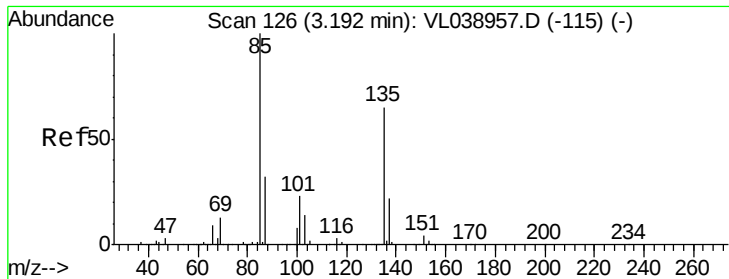
Tgt Ion: 50 Resp: 26171

Ion Ratio Lower Upper

50 100

52 30.2 27.3 40.9





#8

Dichlorotetrafluoroethane

Concen: 0.041 ppbv

RT: 3.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

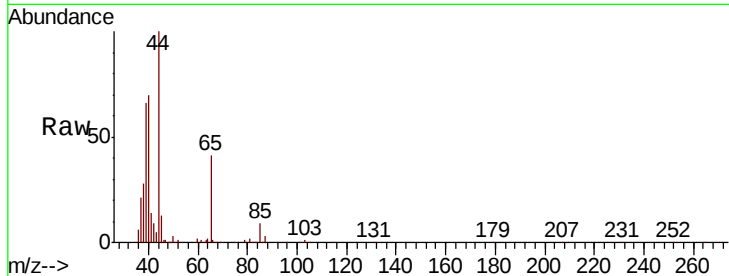
Acq: 10 May 2022 00:22

Tot Ion: 85 Resp: 6615

Ion Ratio Lower Upper

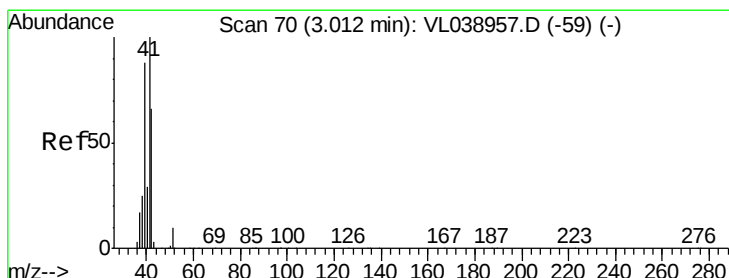
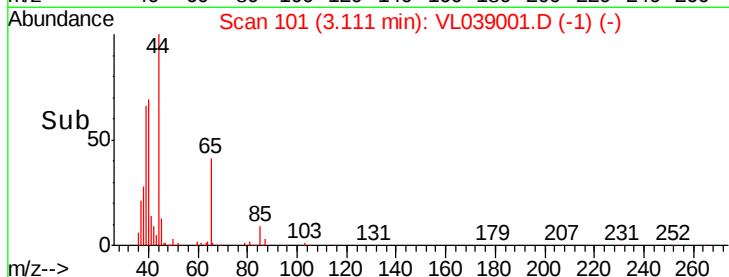
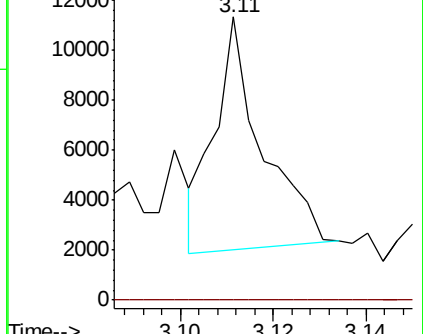
85 100

135 35.4 53.6 80.4#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 60.711 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL039001.D

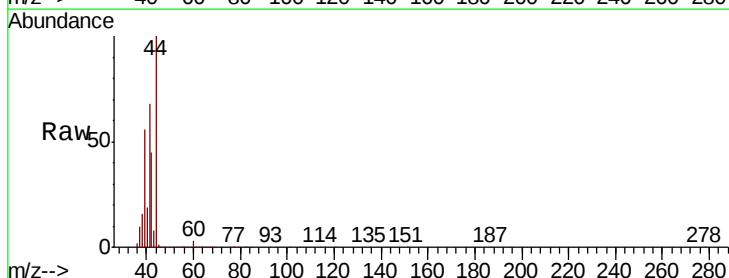
Acq: 10 May 2022 00:22

Tgt Ion: 41 Resp: 3766116

Ion Ratio Lower Upper

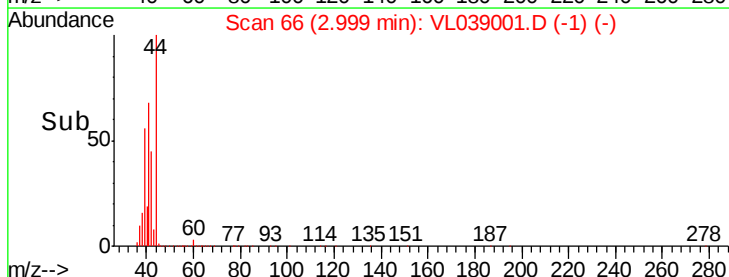
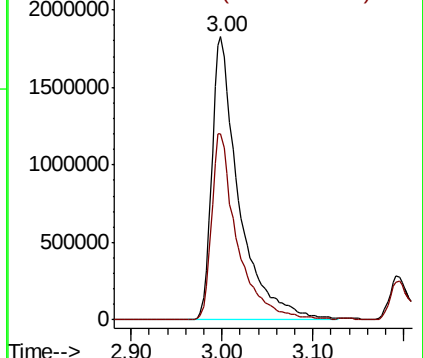
41 100

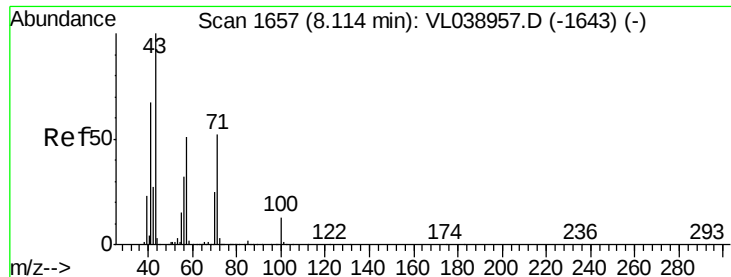
42 63.2 58.3 87.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 326.039 ppbv

RT: 8.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

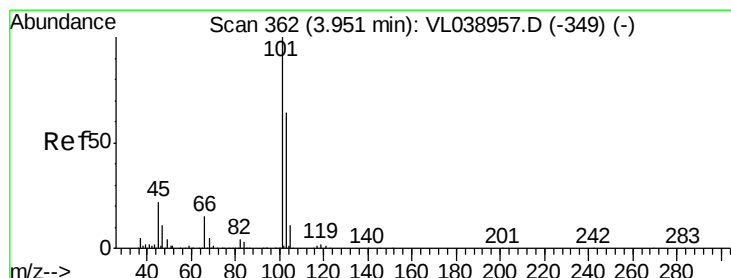
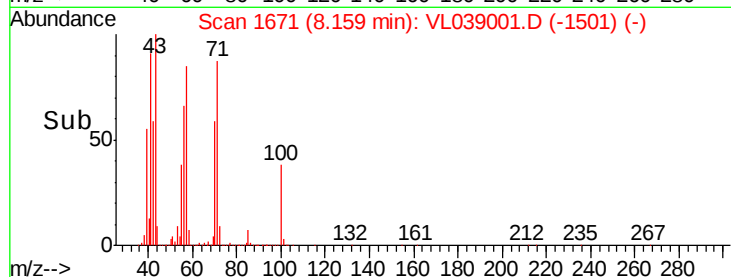
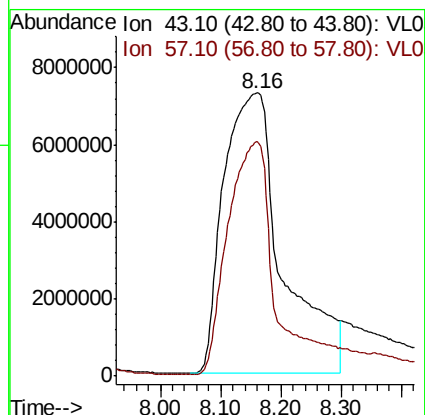
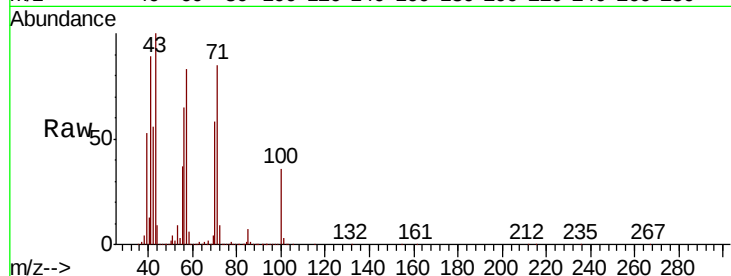
Acq: 10 May 2022 00:22

Tot Ion: 43 Resp: 49619812

Ion Ratio Lower Upper

43 100

57 74.7 40.5 60.7#



#11

Trichlorofluoromethane

Concen: 0.199 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL039001.D

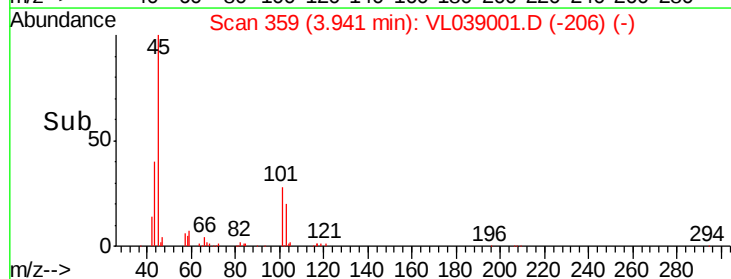
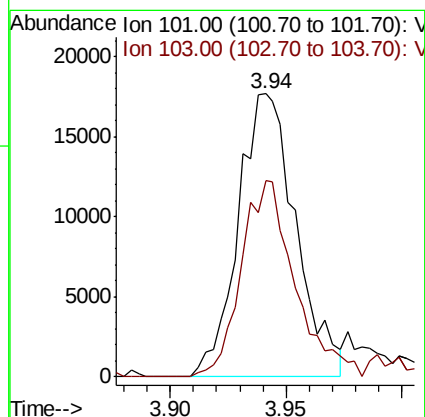
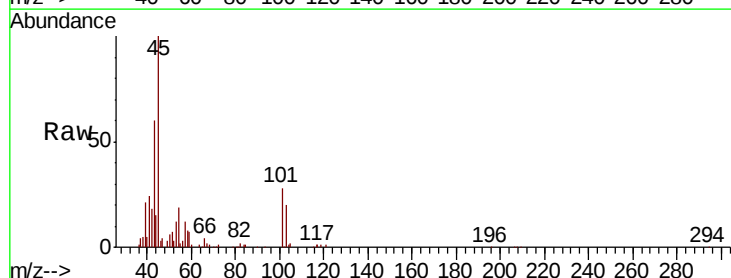
Acq: 10 May 2022 00:22

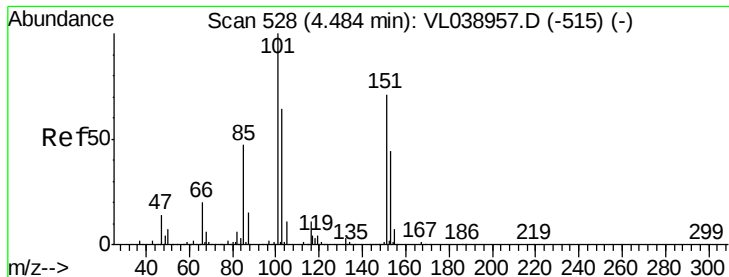
Tgt Ion: 101 Resp: 30578

Ion Ratio Lower Upper

101 100

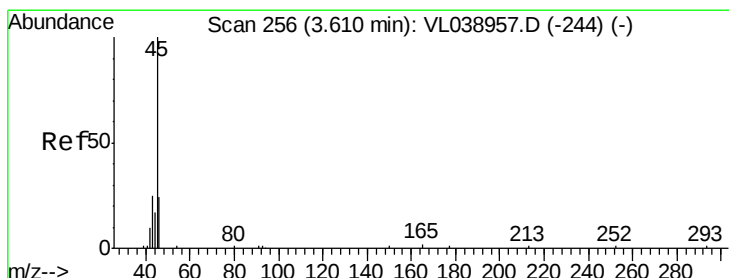
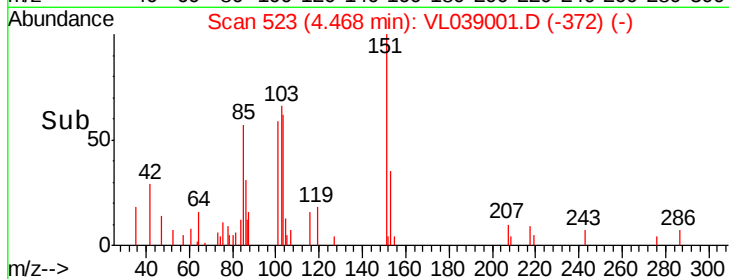
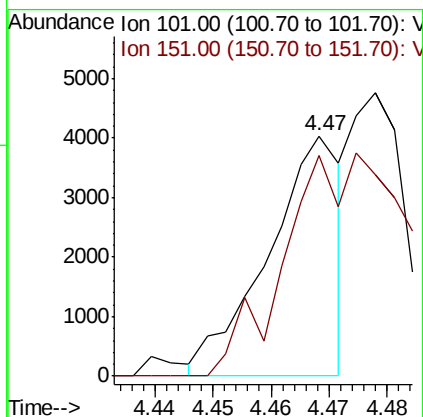
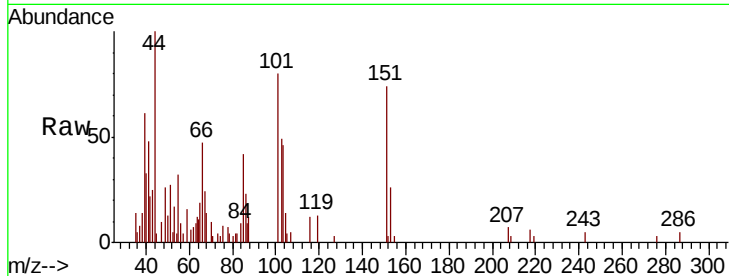
103 69.4 51.5 77.3





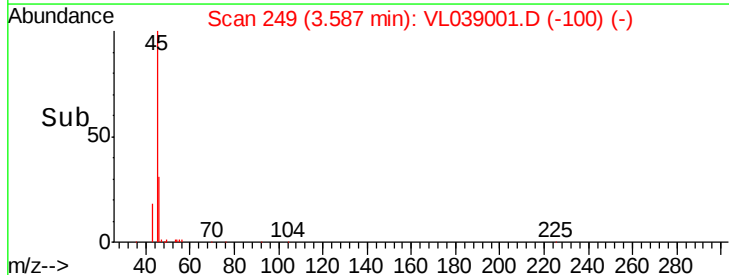
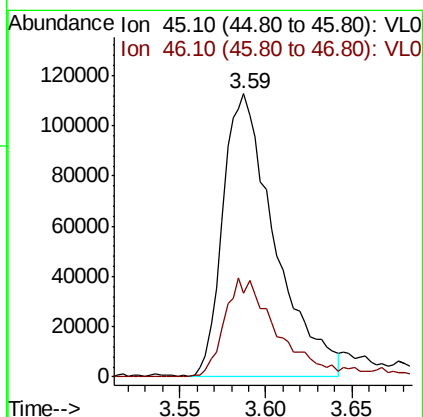
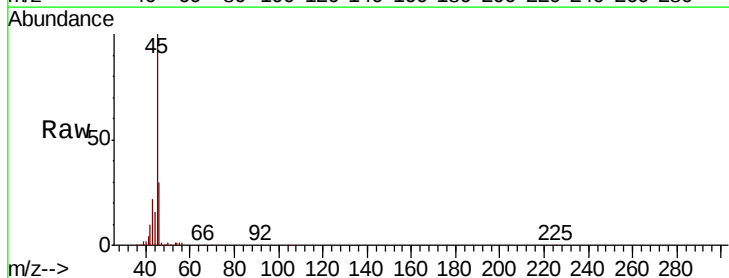
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.033 ppbv
 RT: 4.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1
 Acq: 10 May 2022 00:22

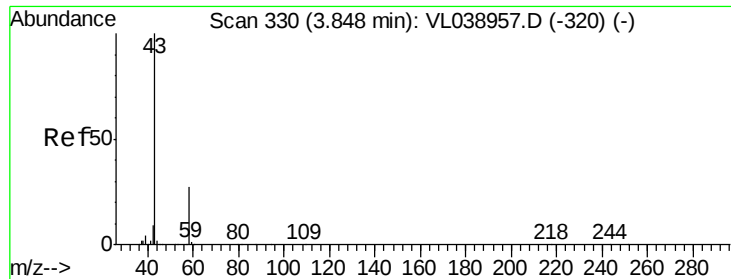
Tot Ion:101 Resp: 3537
 Ion Ratio Lower Upper
 101 100
 151 0.0 55.4 83.0#



#13
 Ethanol
 Concen: 53.839 ppbv
 RT: 3.59 min Scan# 249
 Delta R.T. -0.02 min
 Lab File: VL039001.D
 Acq: 10 May 2022 00:22

Tgt Ion: 45 Resp: 236356
 Ion Ratio Lower Upper
 45 100
 46 37.8 18.0 72.2





#15

Acetone

Concen: 15.302 ppbv

RT: 3.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

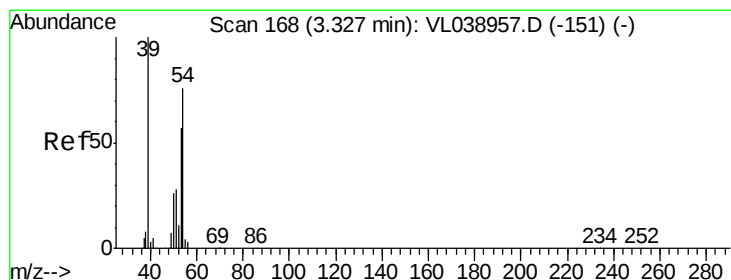
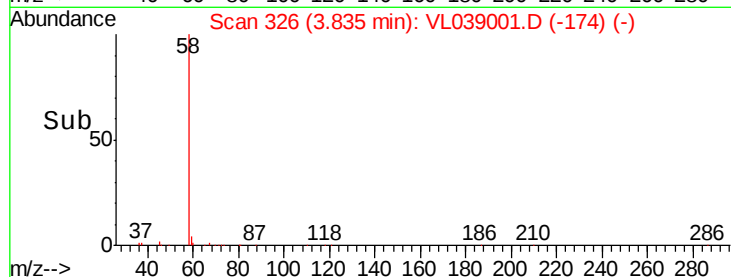
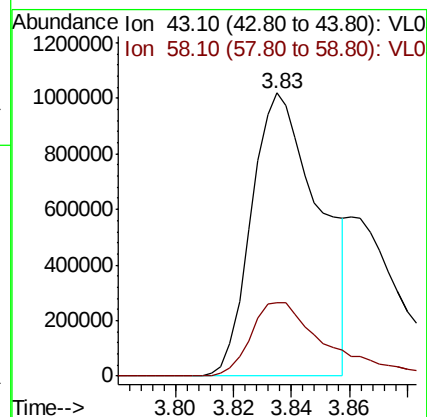
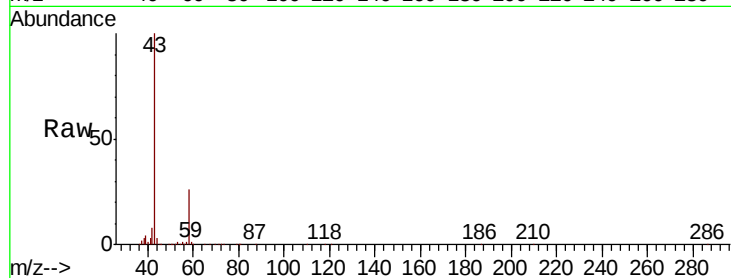
Acq: 10 May 2022 00:22 SV1

Tot Ion: 43 Resp: 1652417

Ion Ratio Lower Upper

43 100

58 31.4 21.3 31.9



#16

1,3-Butadiene

Concen: 29.996 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.03 min

Lab File: VL039001.D

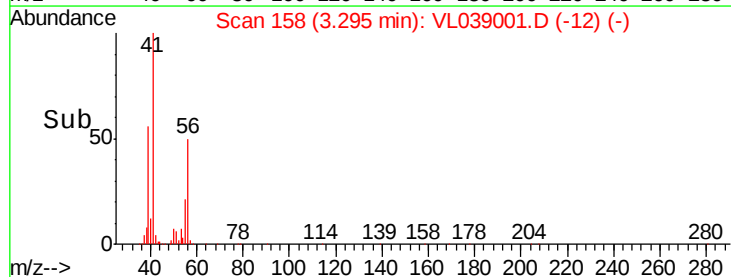
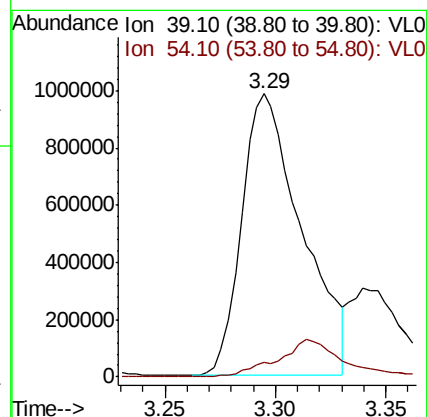
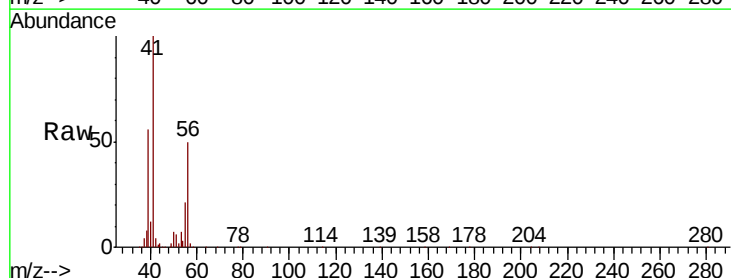
Acq: 10 May 2022 00:22

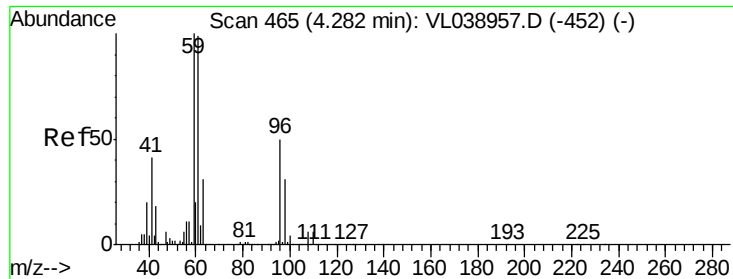
Tgt Ion: 39 Resp: 1860986

Ion Ratio Lower Upper

39 100

54 14.8 65.2 97.8#





#17

tert-Butyl alcohol

Concen: 6.541 ppbv

RT: 4.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

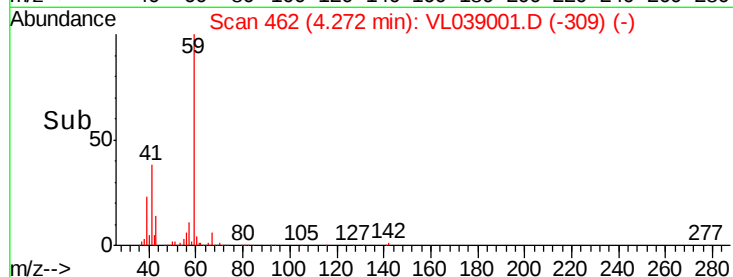
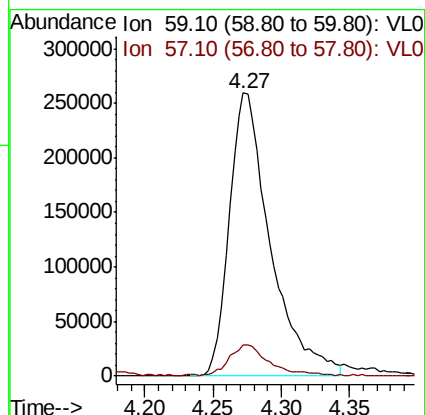
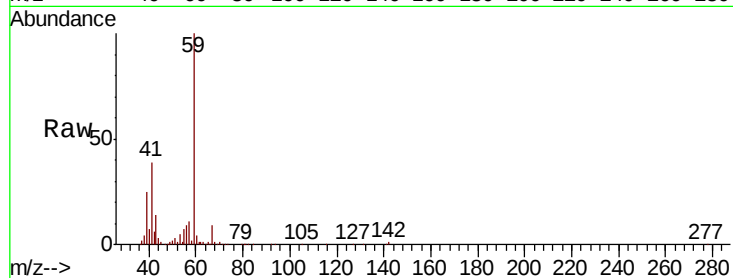
Acq: 10 May 2022 00:22

Tot Ion: 59 Resp: 542856

Ion Ratio Lower Upper

59 100

57 10.4 9.2 13.8



#19

Isopropyl Alcohol

Concen: 4.141 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL039001.D

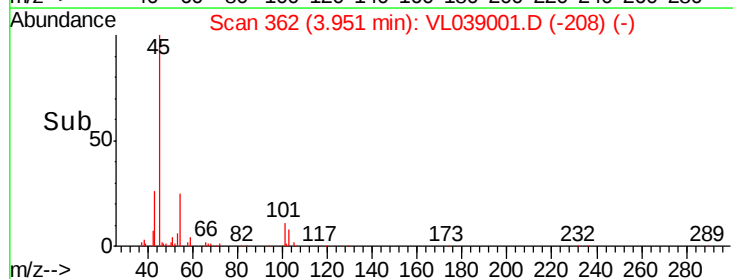
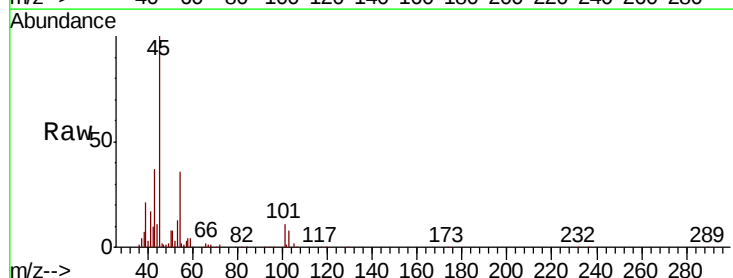
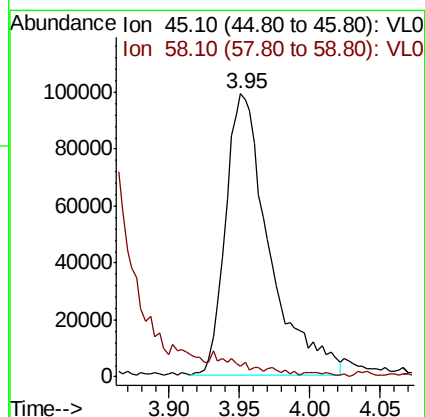
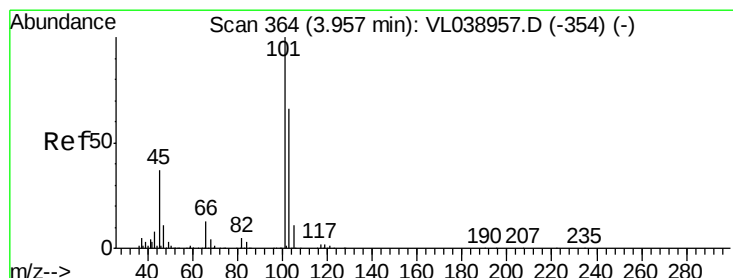
Acq: 10 May 2022 00:22

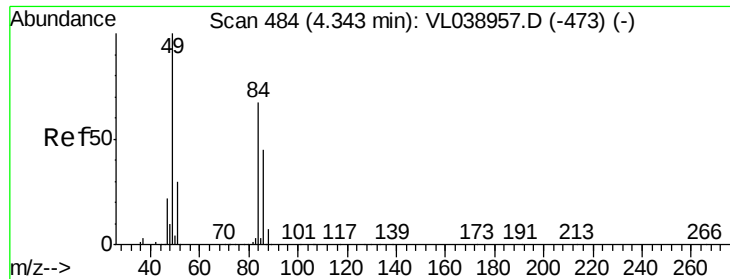
Tgt Ion: 45 Resp: 212595

Ion Ratio Lower Upper

45 100

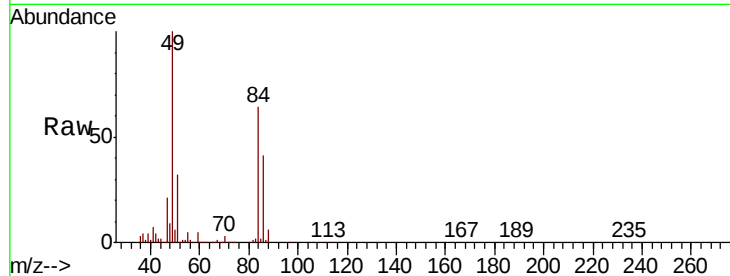
58 0.0 1.4 2.2#



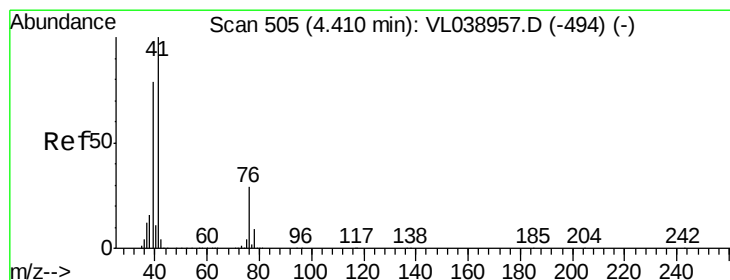
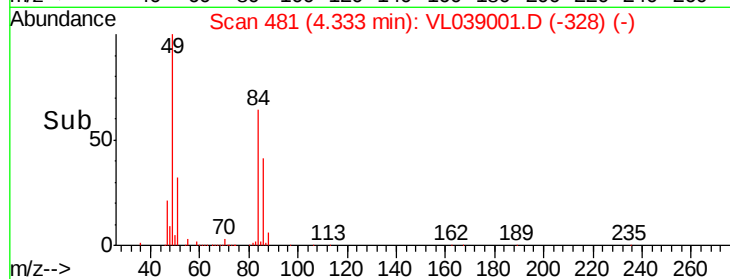
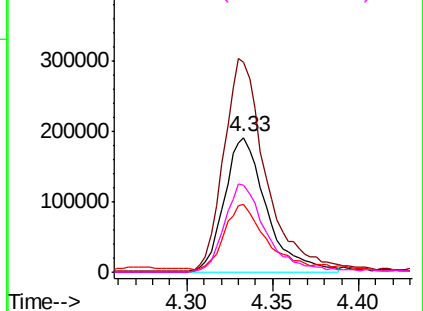


#20
Methvlene Chloride
Concen: 7.930 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV1
Acq: 10 May 2022 00:22

Tot Ion:	84	Resp:	322728
Ion	Ratio	Lower	Upper
84	100		
49	156.0	119.9	179.9
51	47.4	35.7	53.5
86	64.9	53.8	80.6

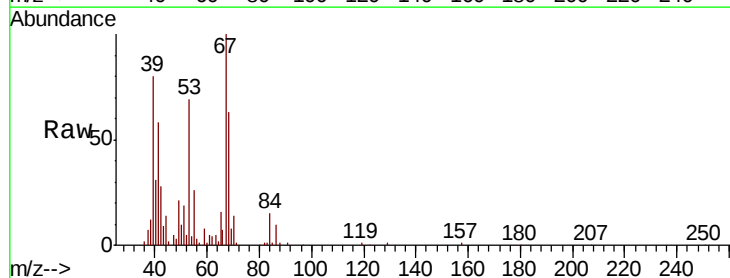


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

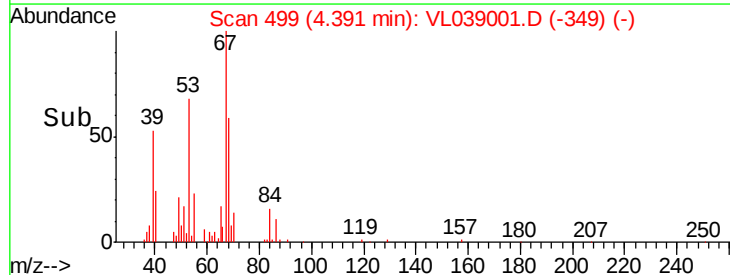
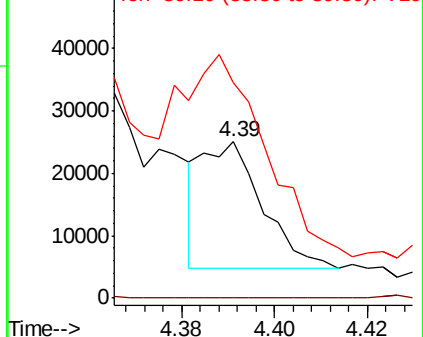


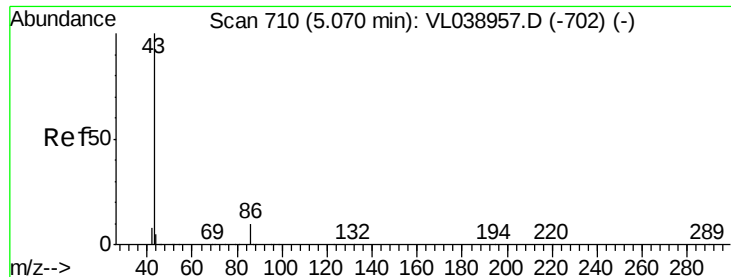
#21
Allyl Chloride
Concen: 0.248 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.02 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Tgt Ion:	41	Resp:	18245
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.4#
39	0.0	63.8	95.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 12.695 ppbv

RT: 5.04 Instrument:

Delta R.T. MSVOA_1

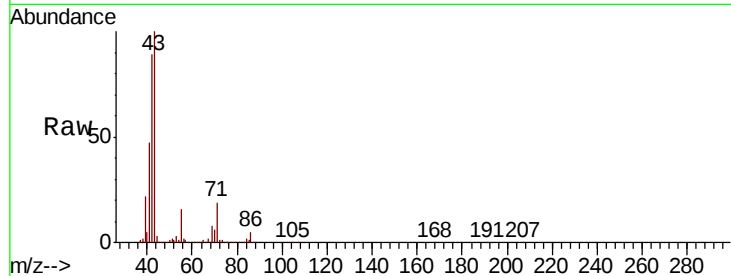
Lab File: ClientSampleId:

SV1

Acq: 10 May 2022 00:22

Tot Ion: 43 Resp: 1084654

Ion	Ratio	Lower	Upper
43	100		
86	5.0	6.6	9.8#
42	89.4	8.1	12.1#
44	2.8	3.5	5.3#

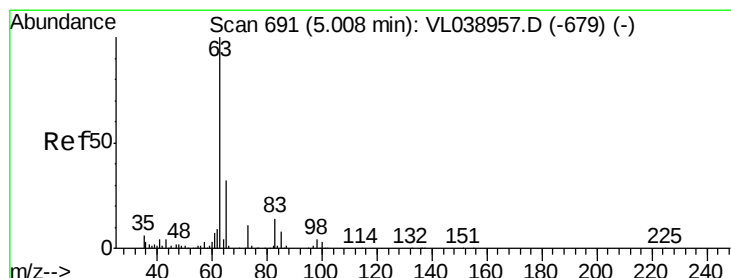
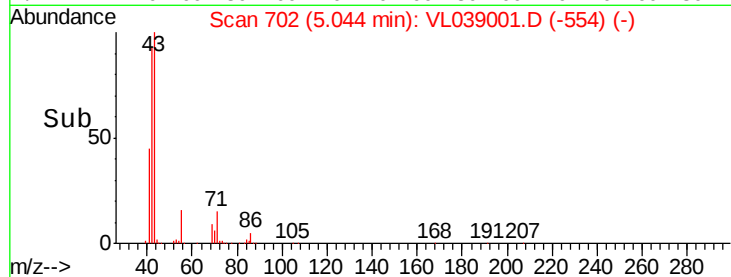
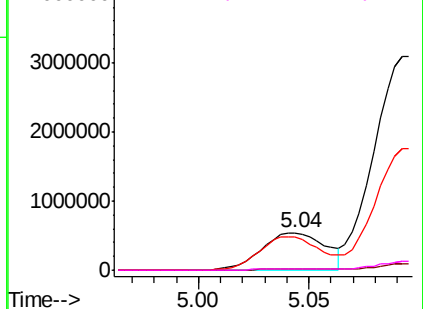


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.032 ppbv

RT: 5.04 min Scan# 701

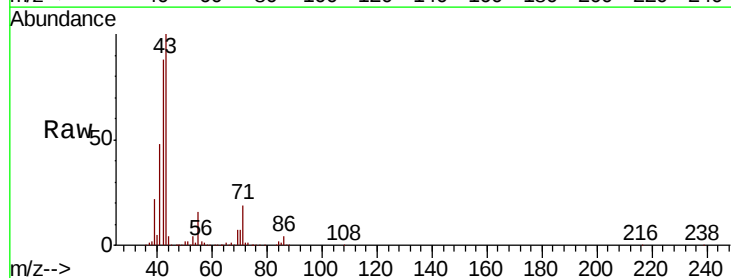
Delta R.T. 0.03 min

Lab File: VL039001.D

Acq: 10 May 2022 00:22

Tgt Ion: 63 Resp: 3114

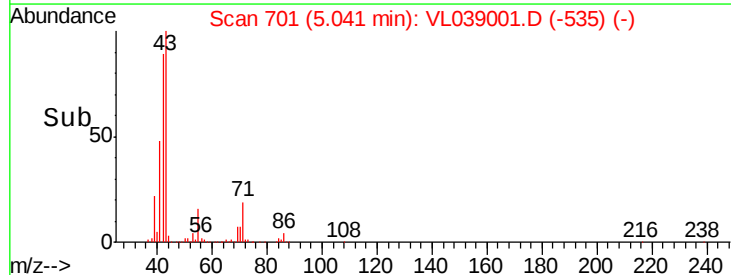
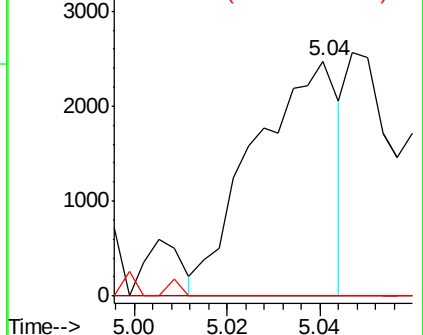
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.2#
100	0.0	1.4	4.2#

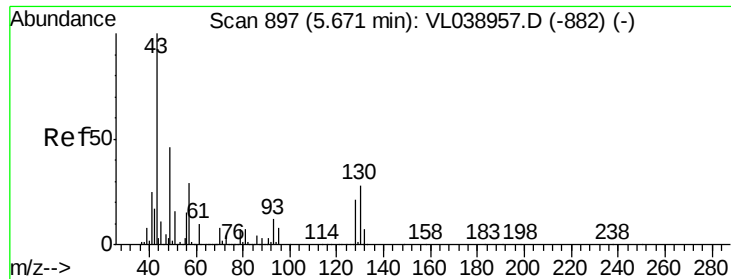


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

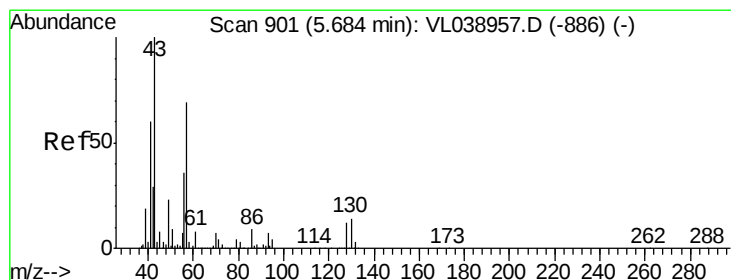
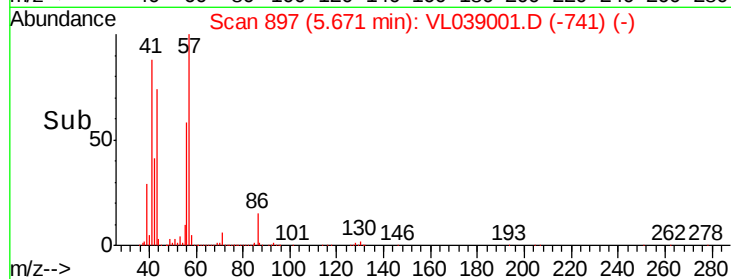
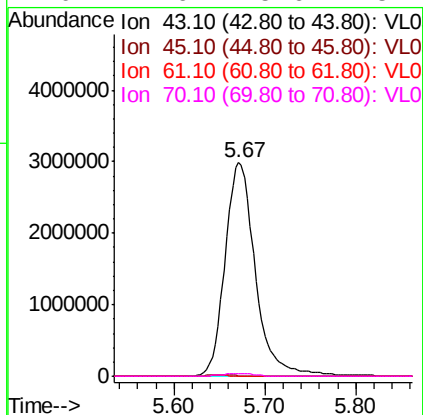
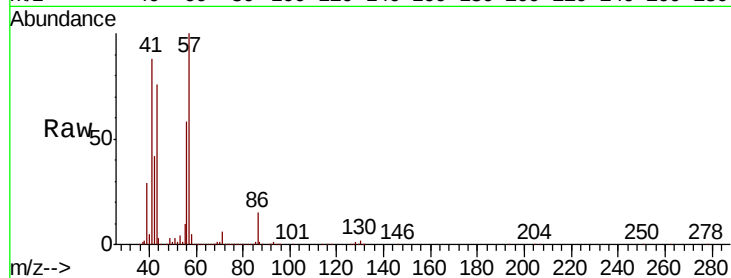
Ion 100.00 (99.70 to 100.70): VL0





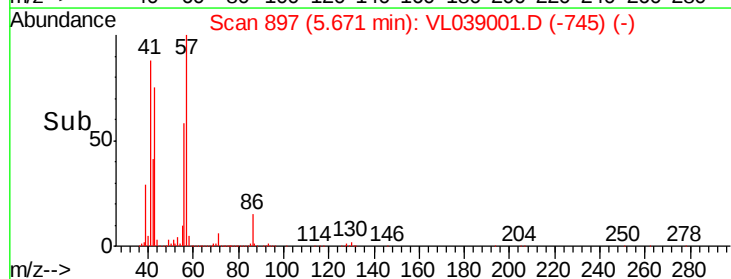
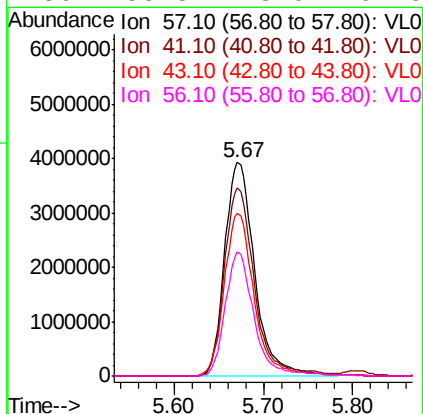
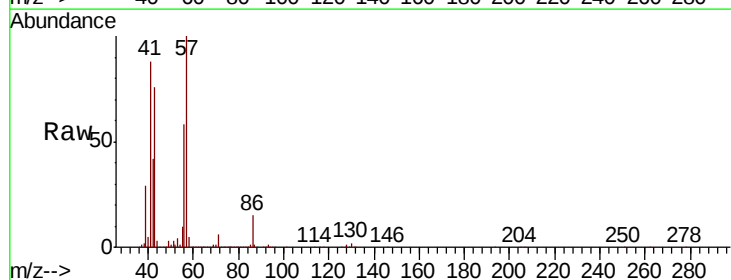
#25
Ethyl Acetate
Concen: 26.718 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 May 2022 00:22

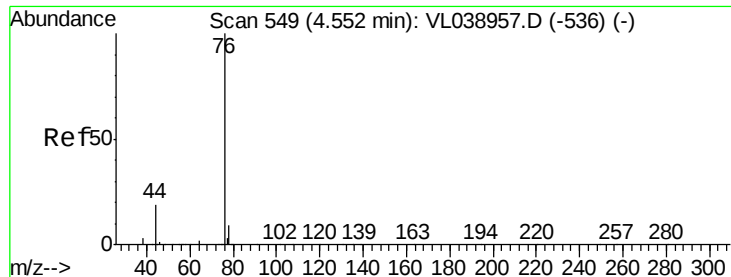
Tot Ion:	43	Resp:	6905581
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.1	12.1#
61	0.5	7.8	11.6#
70	1.6	5.6	8.4#



#26
Hexane
Concen: 79.794 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Tgt Ion:	57	Resp:	9163421
Ion	Ratio	Lower	Upper
57	100		
41	88.1	75.2	112.8
43	75.8	190.8	286.2#
56	55.8	43.0	64.6





#27

Carbon Disulfide

Concen: 2.627 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 00:22

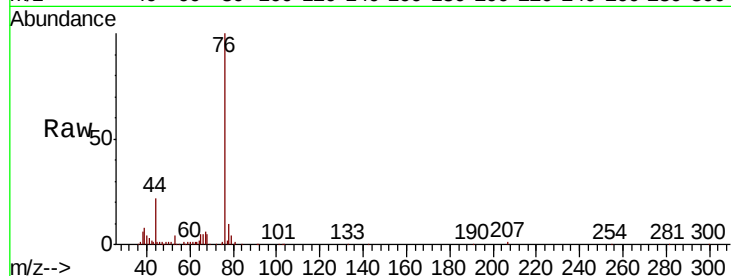
Tot Ion: 76 Resp: 286609

Ion Ratio Lower Upper

76 100

44 22.5 15.3 22.9

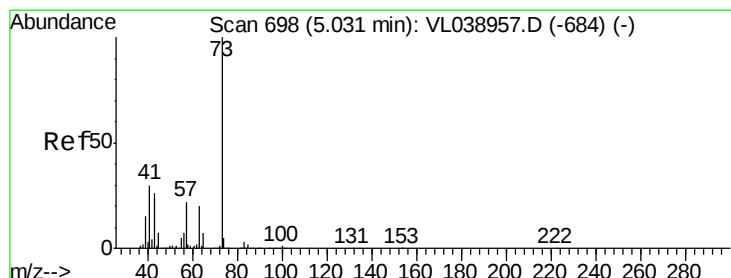
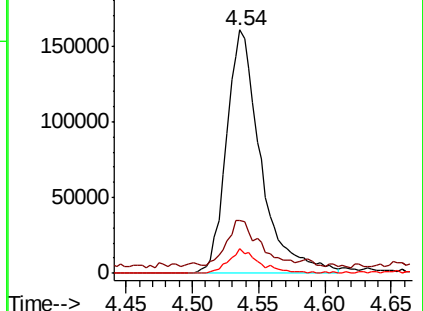
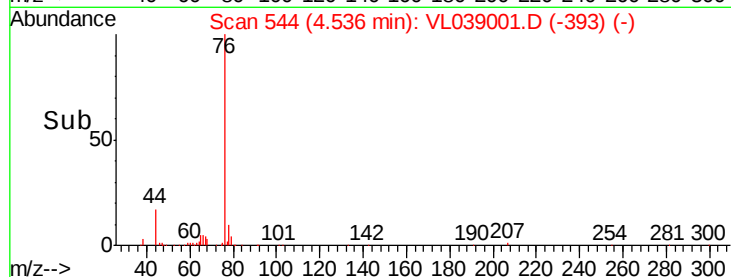
78 9.3 8.2 12.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.194 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL039001.D

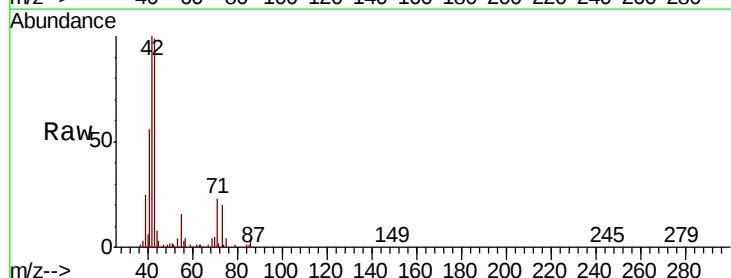
Acq: 10 May 2022 00:22

Tgt Ion: 73 Resp: 16969

Ion Ratio Lower Upper

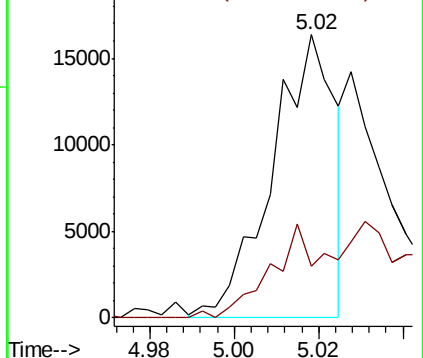
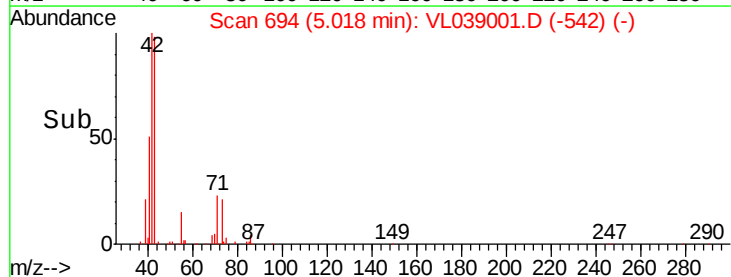
73 100

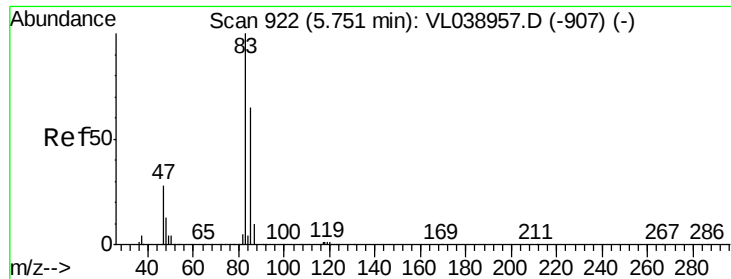
57 0.0 18.8 28.2#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.068 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

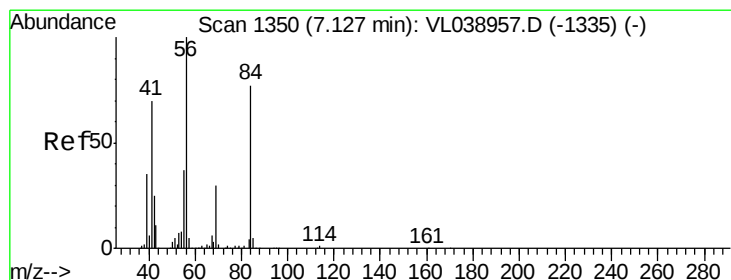
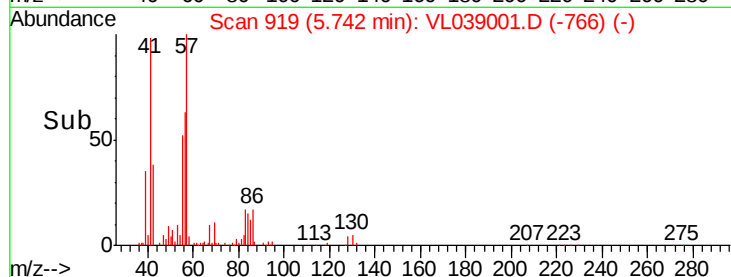
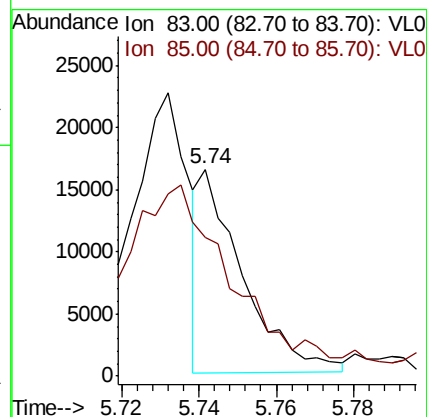
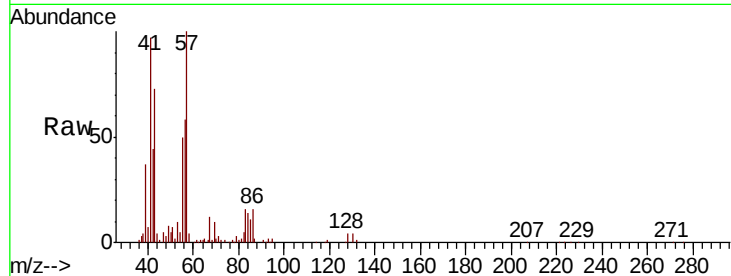
Acq: 10 May 2022 00:22

Tot Ion: 83 Resp: 12603

Ion Ratio Lower Upper

83 100

85 62.4 51.8 77.6



#30

Cyclohexane

Concen: 18.139 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.02 min

Lab File: VL039001.D

Acq: 10 May 2022 00:22

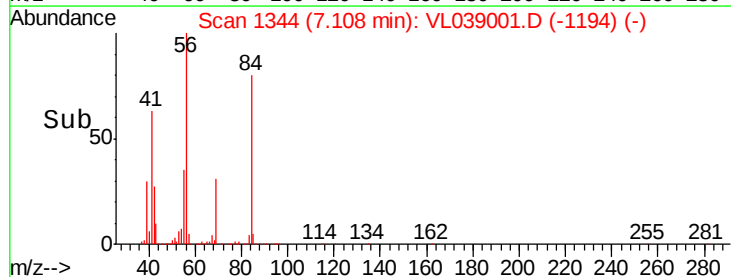
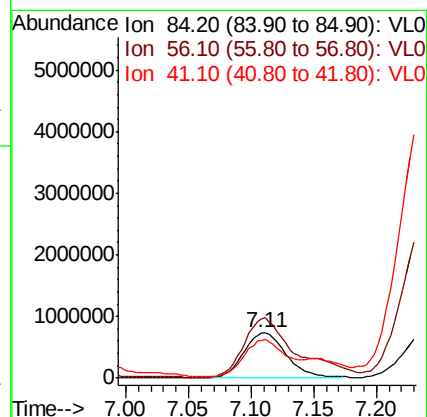
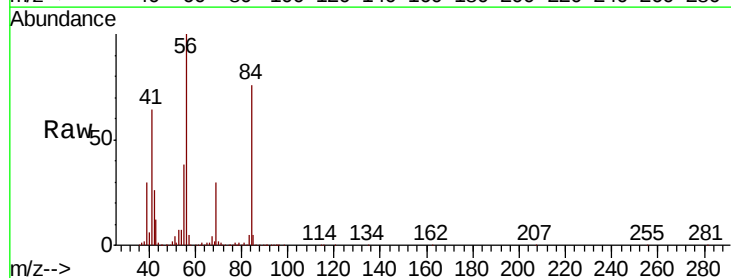
Tgt Ion: 84 Resp: 1744048

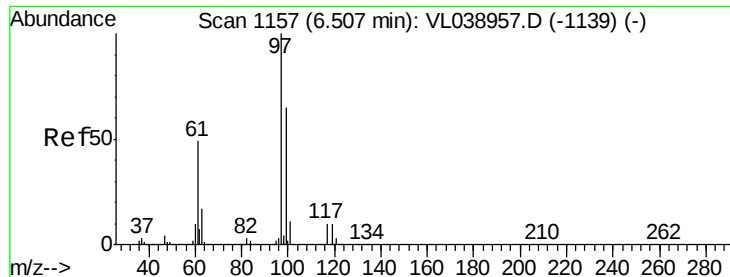
Ion Ratio Lower Upper

84 100

56 161.7 115.3 172.9

41 115.2 72.0 108.0#





#32

1,1,1-Trichloroethane

Concen: 1.661 ppbv

RT: 6.49 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 May 2022 00:22

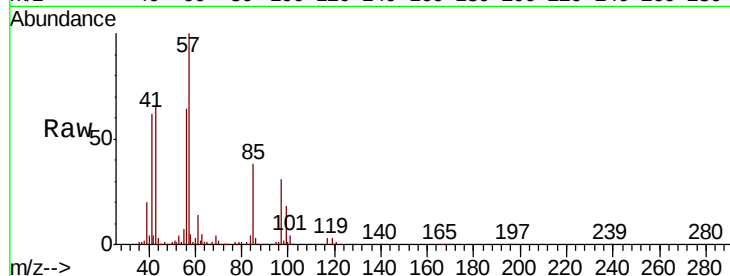
Tot Ion: 97 Resp: 308601

Ion Ratio Lower Upper

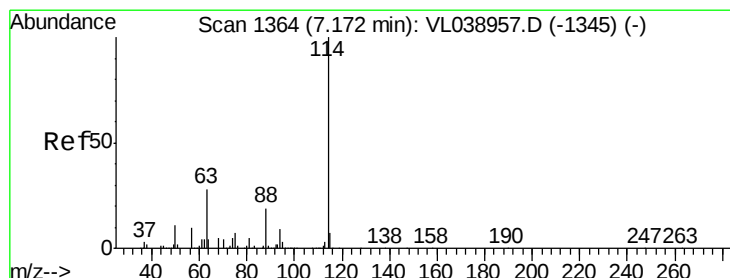
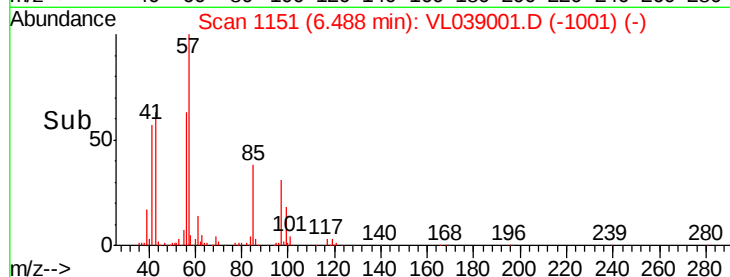
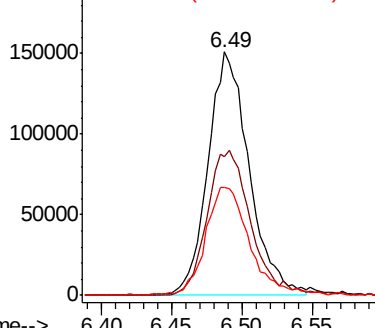
97 100

99 64.1 51.9 77.9

61 48.1 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: 7.15 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VL039001.D

Acq: 10 May 2022 00:22

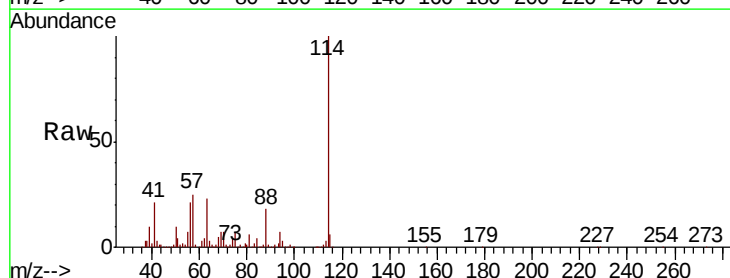
Tgt Ion: 114 Resp: 3242273

Ion Ratio Lower Upper

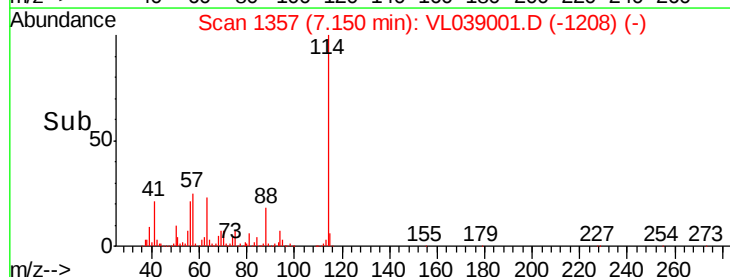
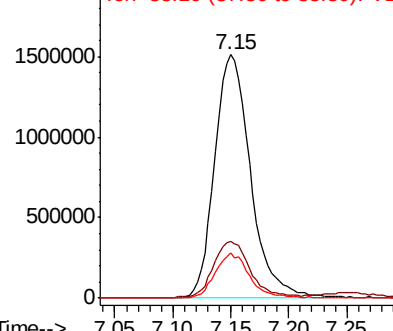
114 100

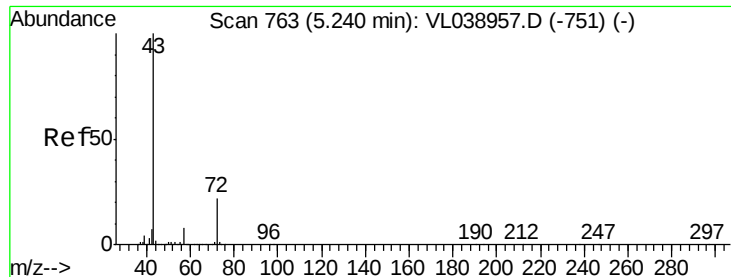
63 24.7 22.6 33.8

88 17.7 15.4 23.0



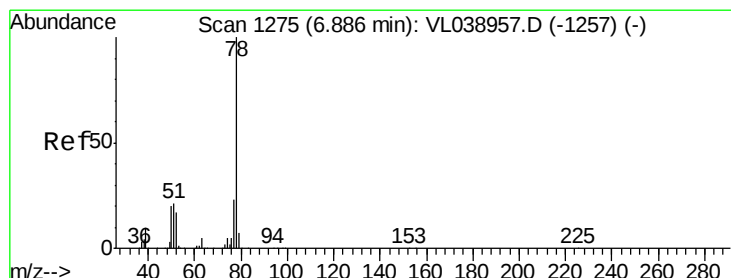
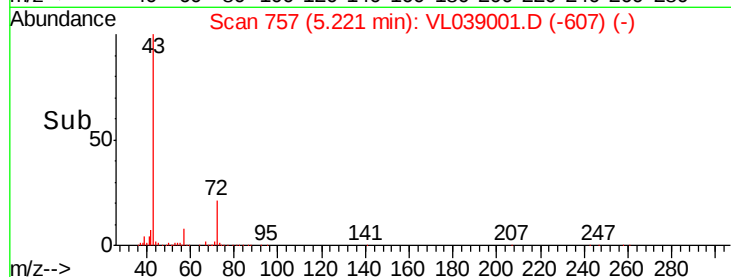
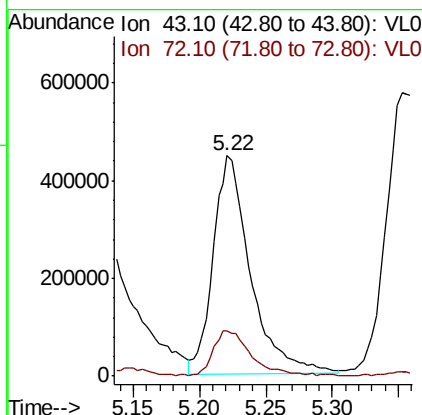
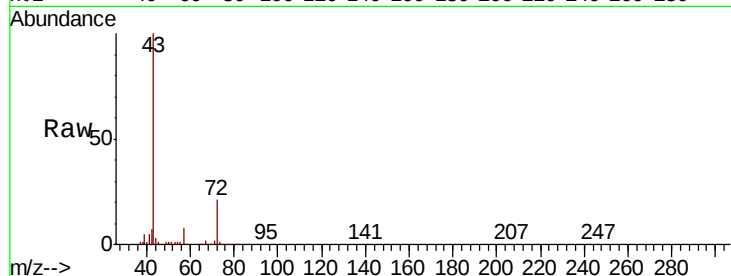
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





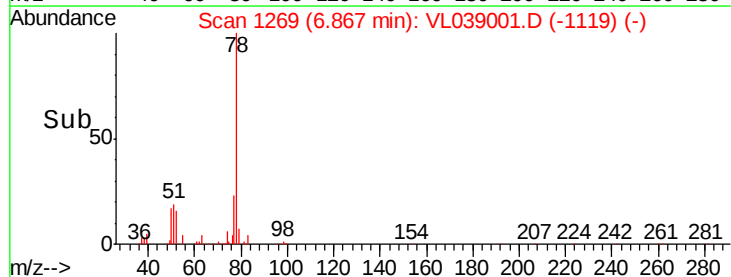
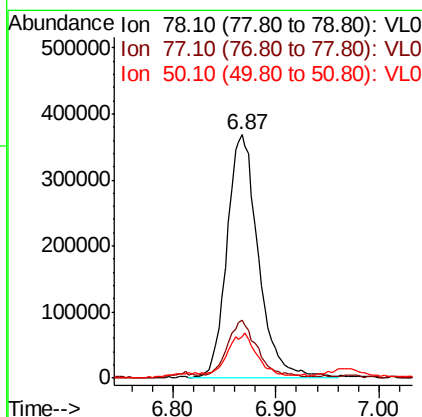
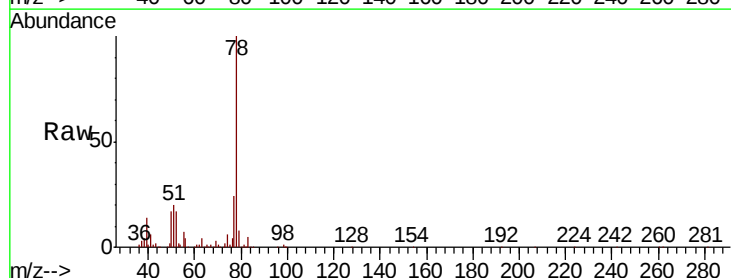
#34
 2-Butanone
 Concen: 5.284 ppbv
 RT: 5.22
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1
 Acq: 10 May 2022 00:22

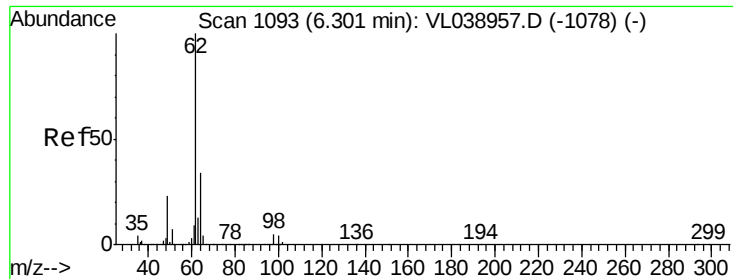
Tot Ion: 43 Resp: 874103
 Ion Ratio Lower Upper
 43 100
 72 21.6 17.8 26.6



#36
 Benzene
 Concen: 2.805 ppbv
 RT: 6.87 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VL039001.D
 Acq: 10 May 2022 00:22

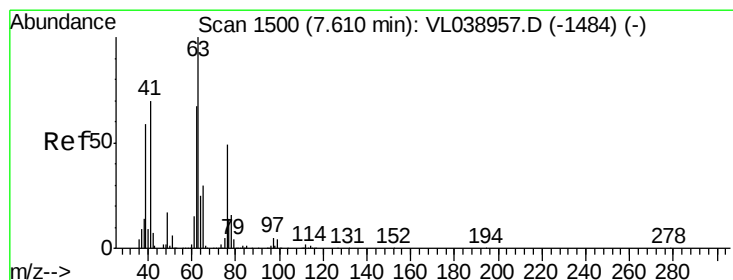
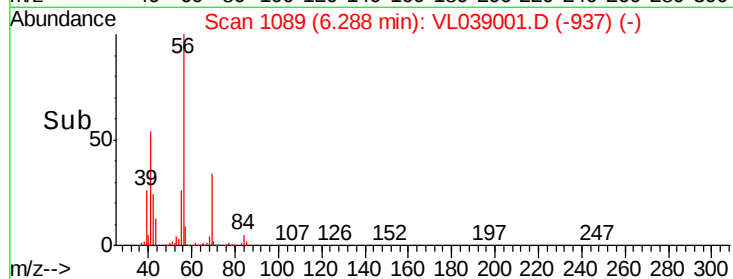
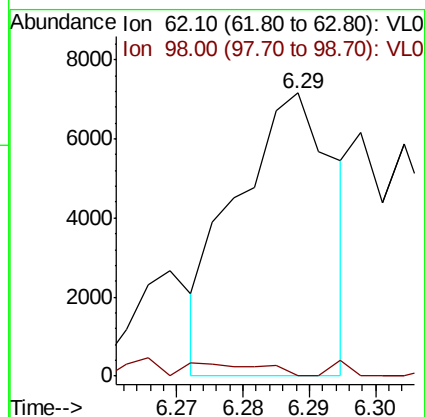
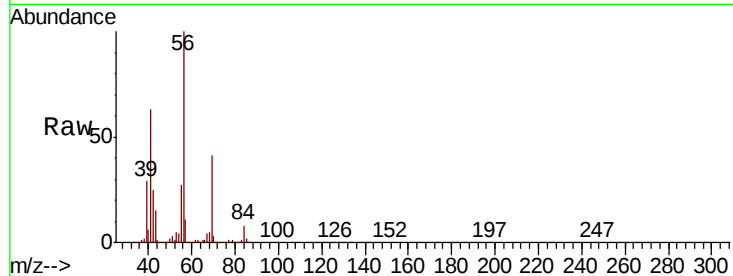
Tgt Ion: 78 Resp: 778237
 Ion Ratio Lower Upper
 78 100
 77 23.3 18.6 28.0
 50 15.1 15.6 23.4#





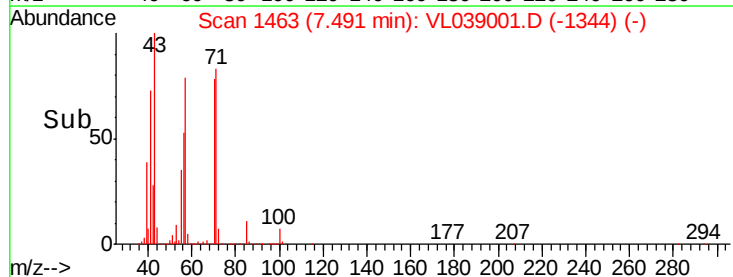
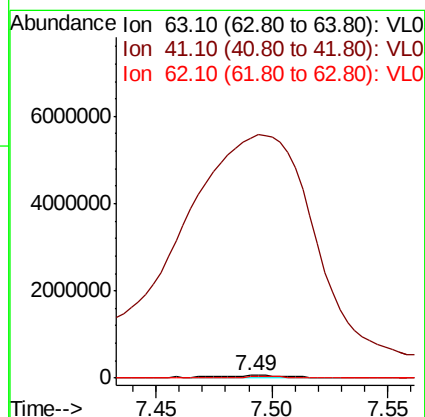
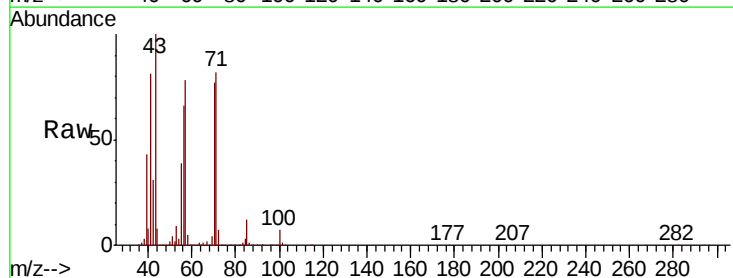
#37
 1,2-Dichloroethane
 Concen: 0.043 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1
 Acq: 10 May 2022 00:22

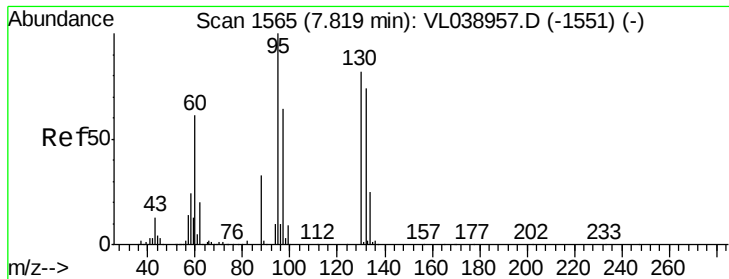
Tot Ion: 62 Resp: 7371
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.5 6.7#



#39
 1,2-Dichloropropane
 Concen: 1.135 ppbv
 RT: 7.49 min Scan# 1463
 Delta R.T. -0.12 min
 Lab File: VL039001.D
 Acq: 10 May 2022 00:22

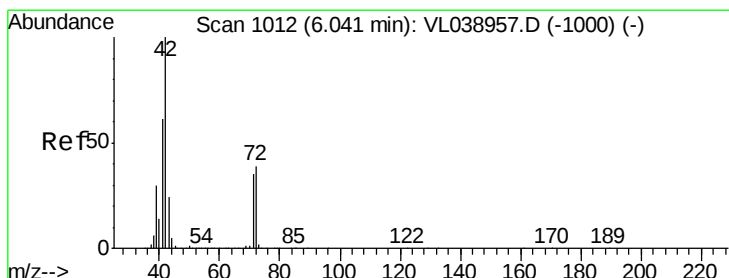
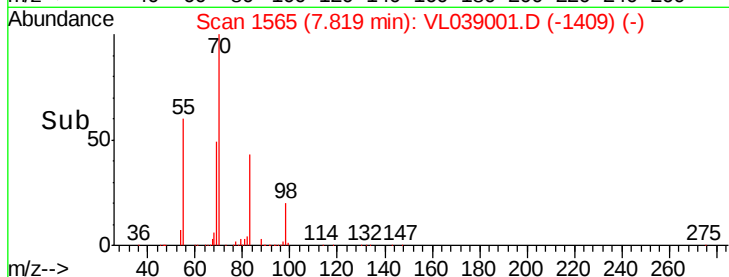
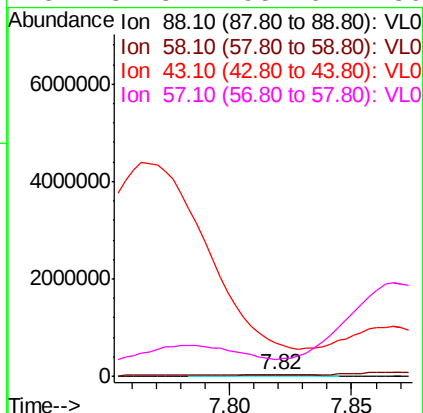
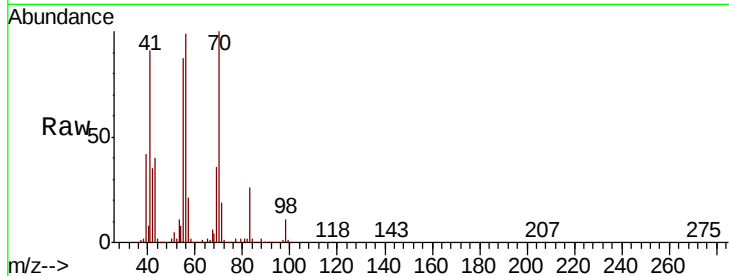
Tgt Ion: 63 Resp: 122518
 Ion Ratio Lower Upper
 63 100
 41 7825.2 55.9 83.9#
 62 47.3 53.8 80.6#





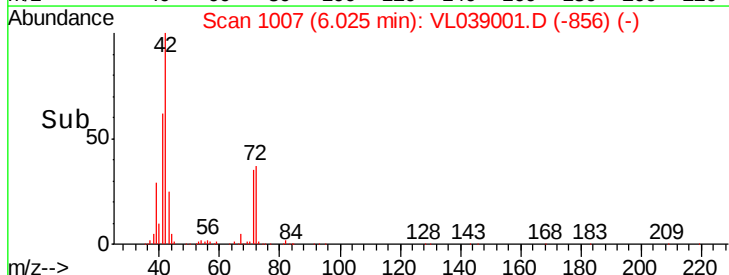
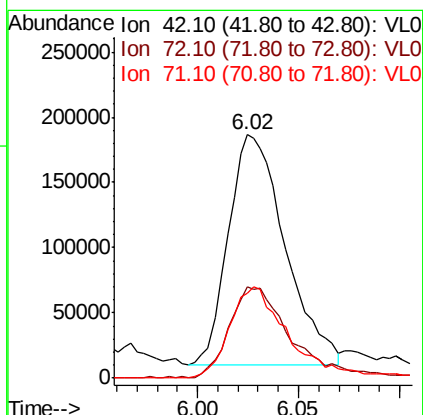
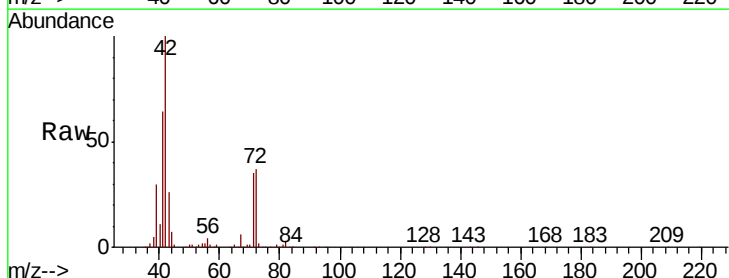
#40
 1,4-Dioxane
 Concen: 1.401 ppbv
 RT: 7.82
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 May 2022 00:22

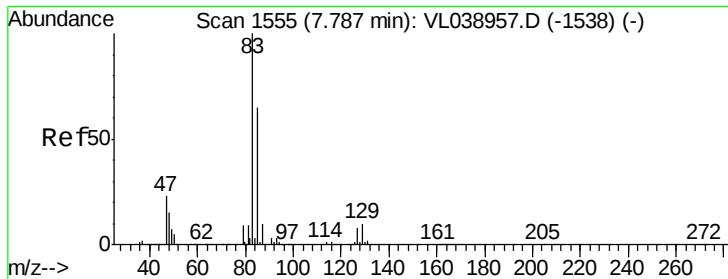
Tot Ion: 88 Resp: 54341
 Ion Ratio Lower Upper
 88 100
 58 89.7 106.1 159.1#
 43 26852.0 222.9 334.3#
 57 3123.4 957.6 1436.4#



#41
 Tetrahydrofuran
 Concen: 3.135 ppbv
 RT: 6.02 min Scan# 1007
 Delta R.T. -0.02 min
 Lab File: VL039001.D
 Acq: 10 May 2022 00:22

Tgt Ion: 42 Resp: 348503
 Ion Ratio Lower Upper
 42 100
 72 44.2 31.8 47.6
 71 42.5 30.6 45.8





#42

Bromodichloromethane

Concen: 12.120 ppbv

RT: 7.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 00:22

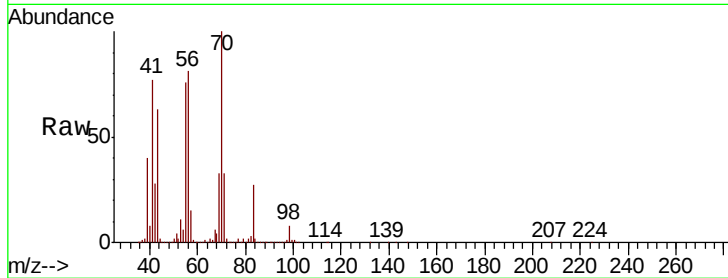
Tot Ion: 83 Resp: 2844705

Ion Ratio Lower Upper

83 100

85 0.6 52.0 78.0#

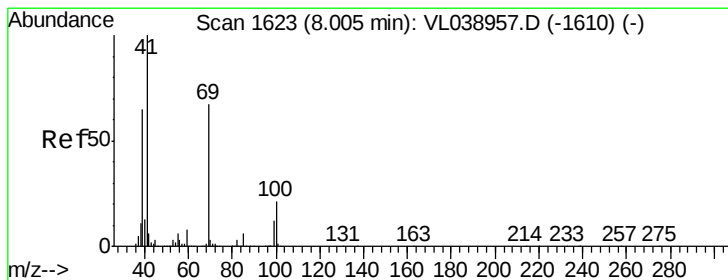
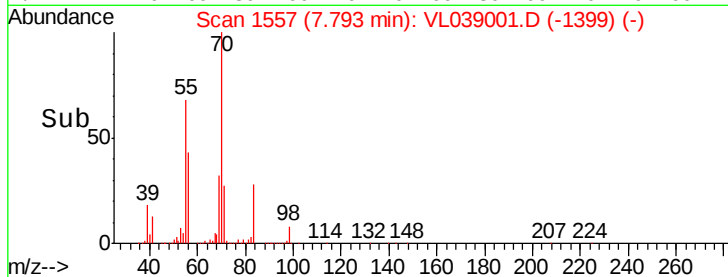
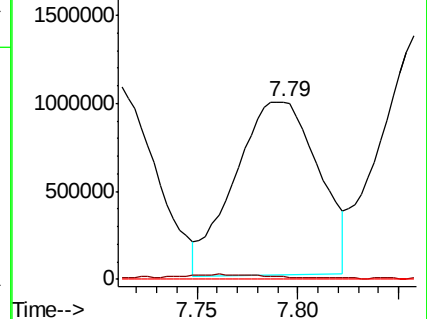
127 0.0 6.0 9.0#



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): VL0



#43

Methyl Methacrylate

Concen: 71.337 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.14 min

Lab File: VL039001.D

Acq: 10 May 2022 00:22

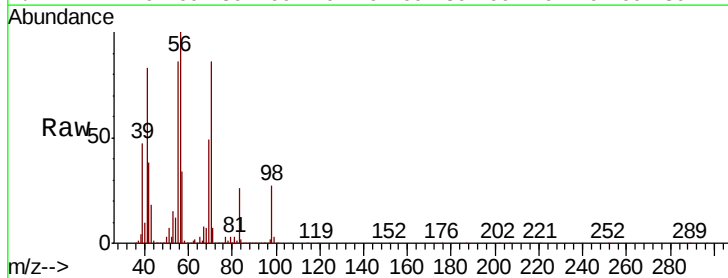
Tgt Ion: 69 Resp: 8035685

Ion Ratio Lower Upper

69 100

41 196.8 121.9 182.9#

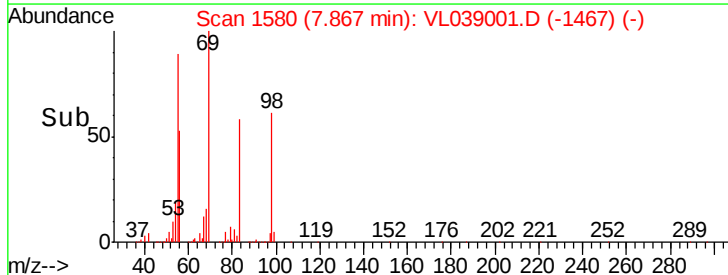
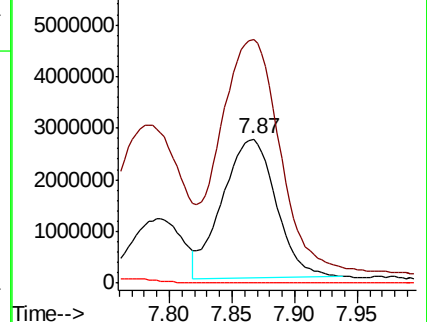
100 0.0 24.6 36.8#

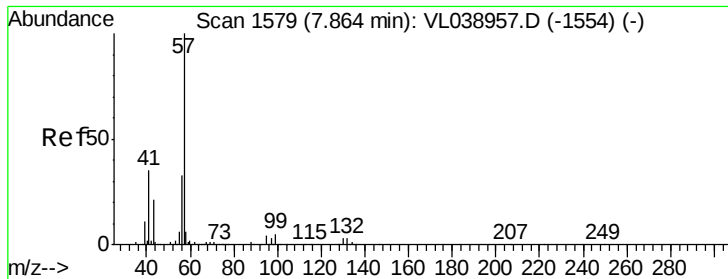


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 12.148 ppbv

RT: 7.87 Instrument:

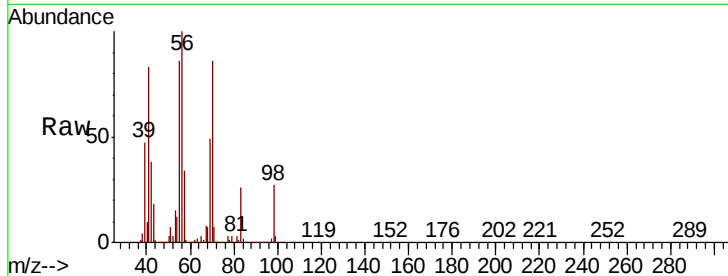
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

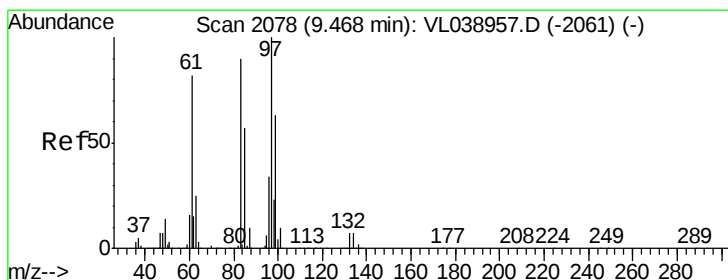
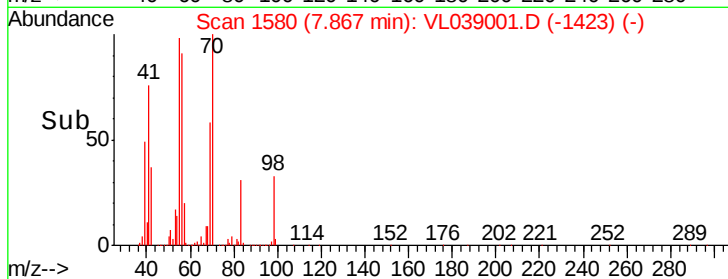
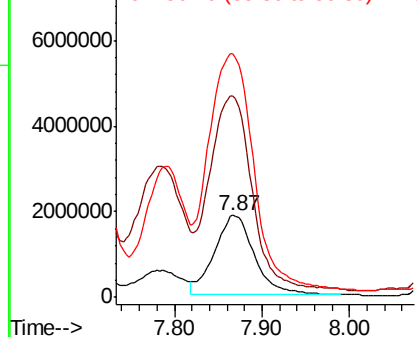
Acq: 10 May 2022 00:22

Tot Ion: 57 Resp: 5914532

Ion	Ratio	Lower	Upper
57	100		
41	262.8	26.3	39.5#
56	335.3	24.6	37.0#



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



#47

1,1,2-Trichloroethane

Concen: 41.277 ppbv

RT: 9.37 min Scan# 2048

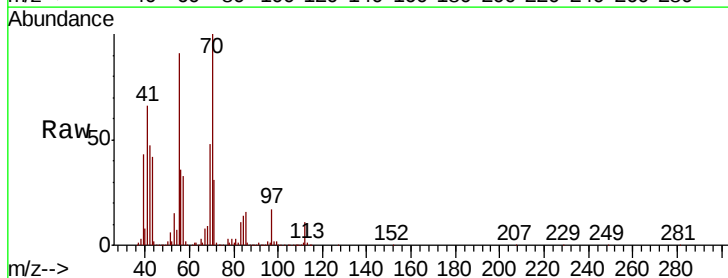
Delta R.T. -0.10 min

Lab File: VL039001.D

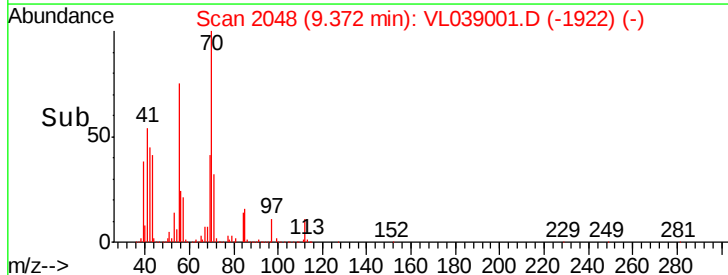
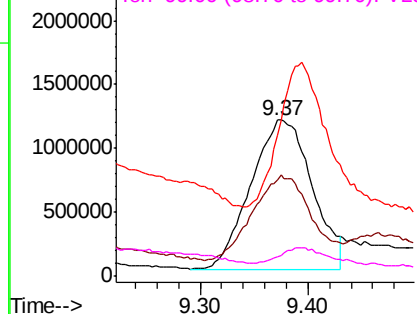
Acq: 10 May 2022 00:22

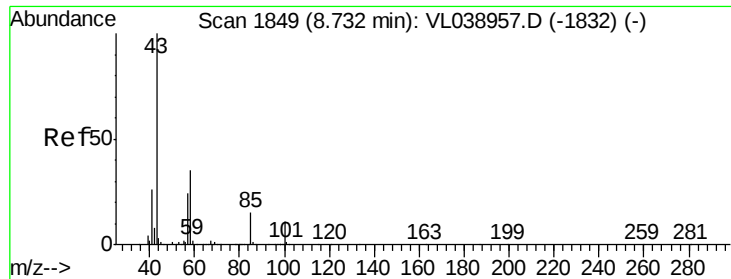
Tgt Ion: 97 Resp: 4634714

Ion	Ratio	Lower	Upper
97	100		
83	52.8	72.0	108.0#
85	31.2	45.7	68.5#
99	2.0	50.2	75.4#



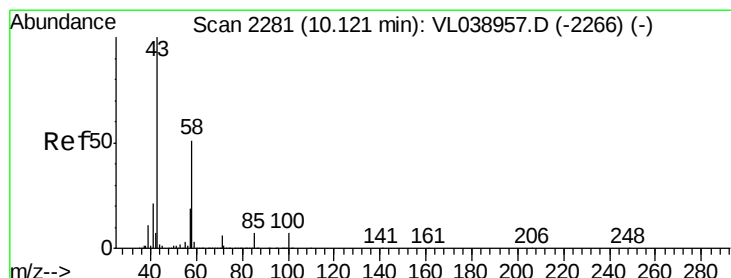
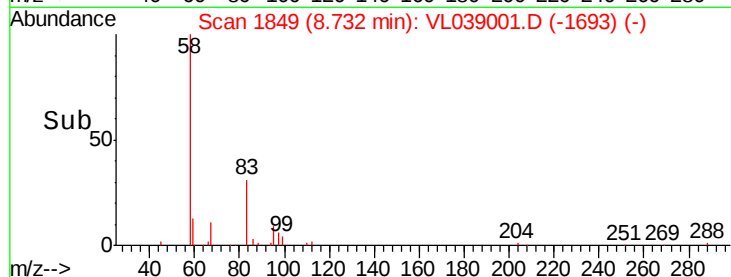
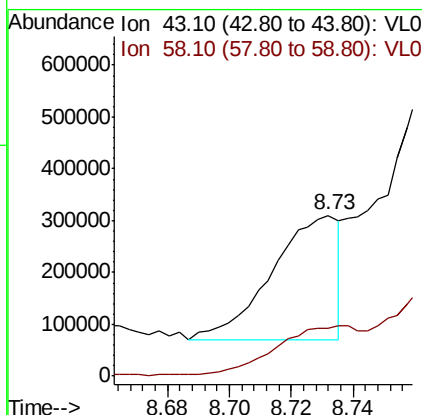
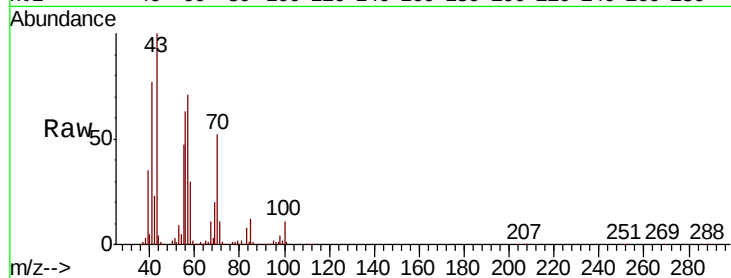
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 99.00 (98.70 to 99.70): VL0





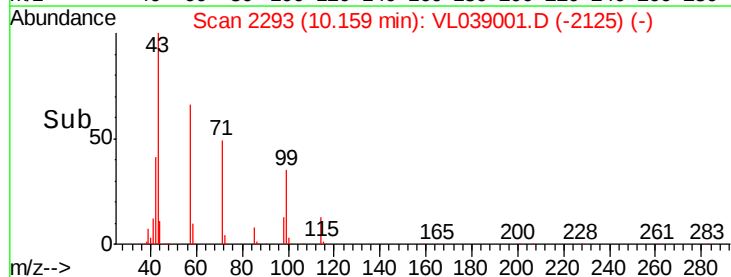
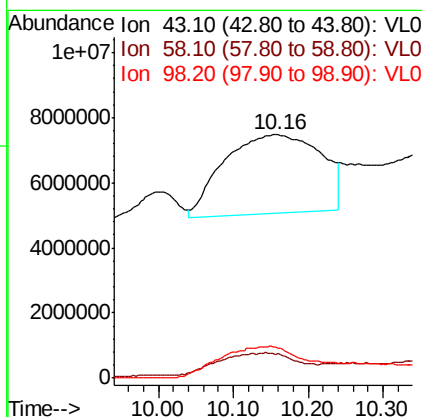
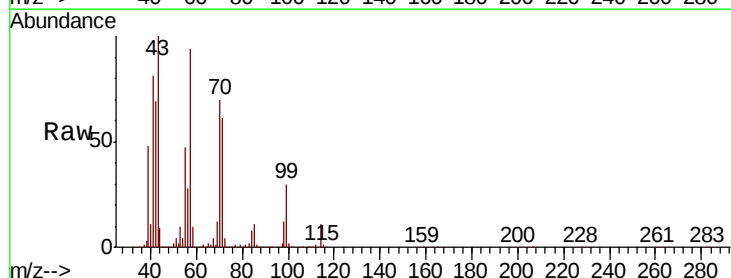
#50
 4-Methyl-2-Pentanone
 Concen: 1.240 ppbv
 RT: 8.73
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 SV1
 Acq: 10 May 2022 00:22

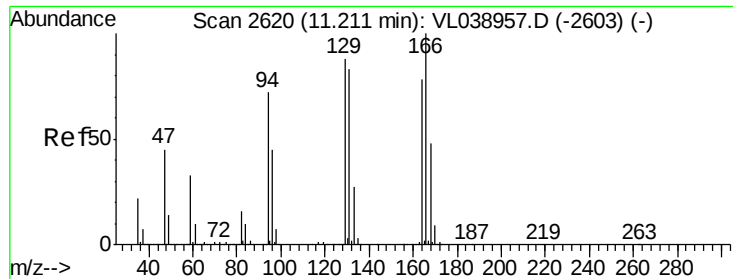
Tot Ion: 43 Resp: 359551
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.4 42.6#



#51
 2-Hexanone
 Concen: 103.461 ppbv
 RT: 10.16 min Scan# 2293
 Delta R.T. 0.04 min
 Lab File: VL039001.D
 Acq: 10 May 2022 00:22

Tgt Ion: 43 Resp: 21902306
 Ion Ratio Lower Upper
 43 100
 58 27.3 39.3 58.9#
 98 57.8 0.2 0.2#





#52

Tetrachloroethene

Concen: 2.591 ppbv

RT: 11.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 00:22

Tot Ion:164 Resp: 256899

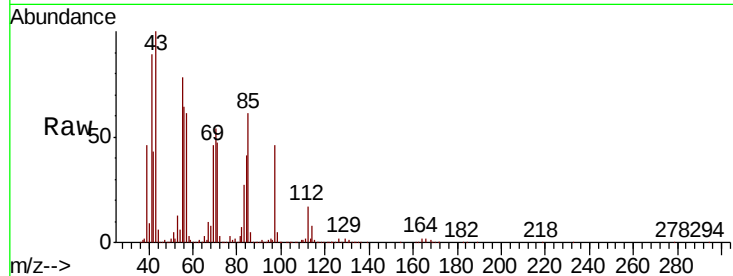
Ion Ratio Lower Upper

164 100

166 120.9 102.5 153.7

129 98.2 90.1 135.1

131 92.8 84.8 127.2

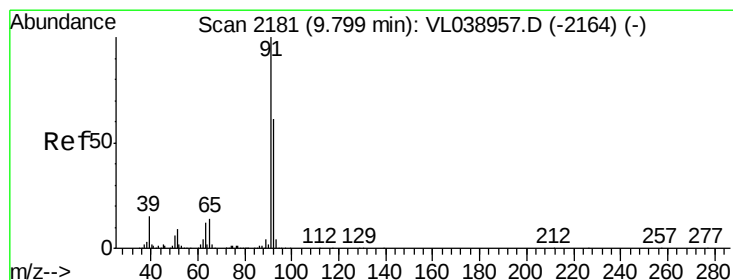
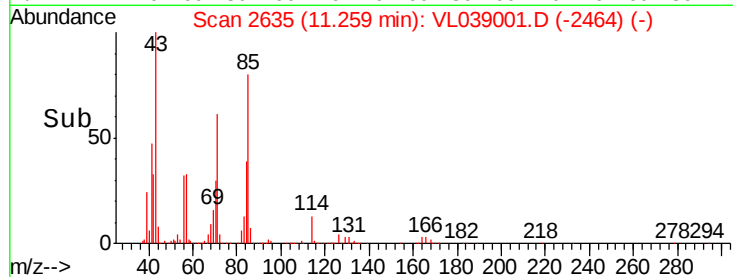
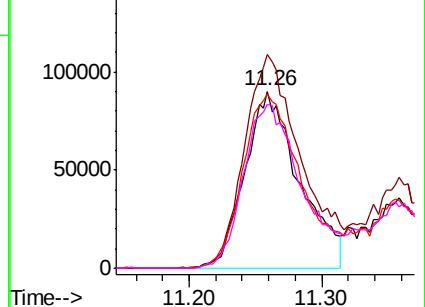


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 7.908 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL039001.D

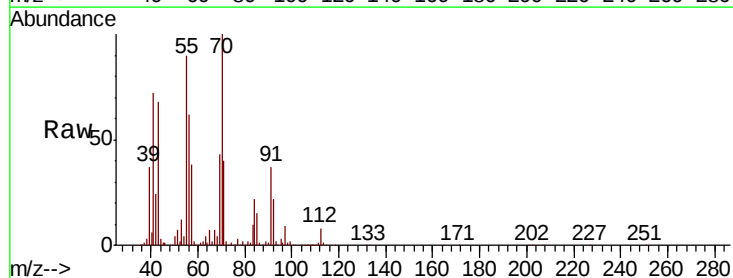
Acq: 10 May 2022 00:22

Tgt Ion: 91 Resp: 2459368

Ion Ratio Lower Upper

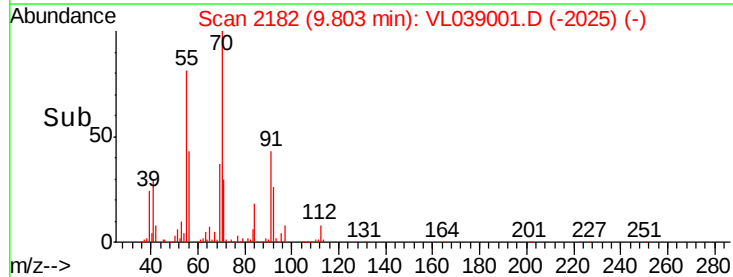
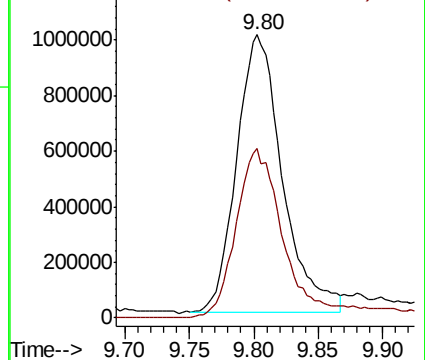
91 100

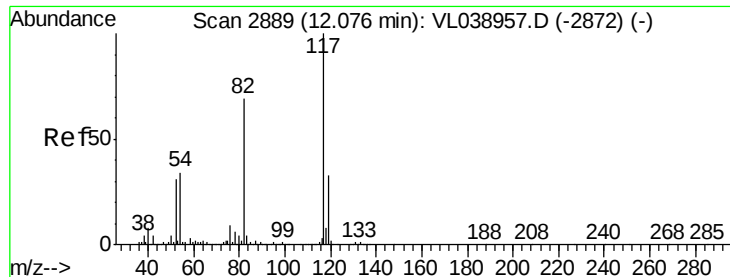
92 71.1 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

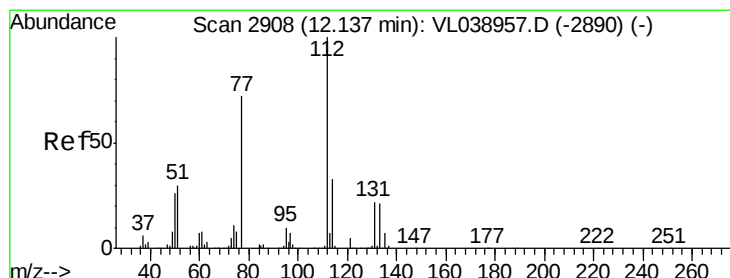
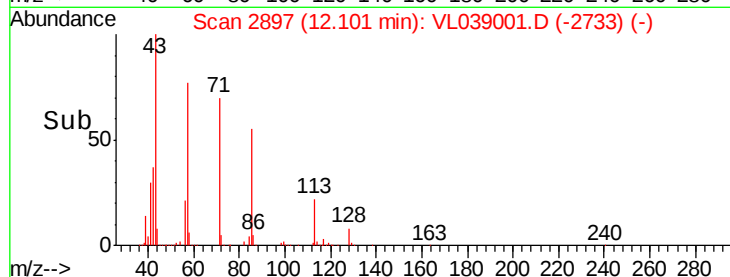
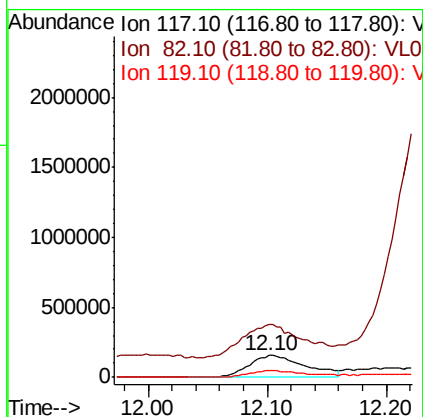
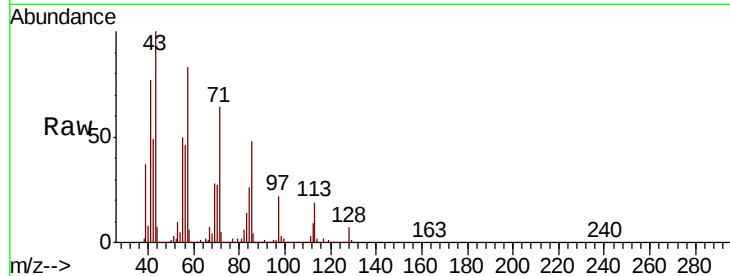
Ion 92.10 (91.80 to 92.80): VL0





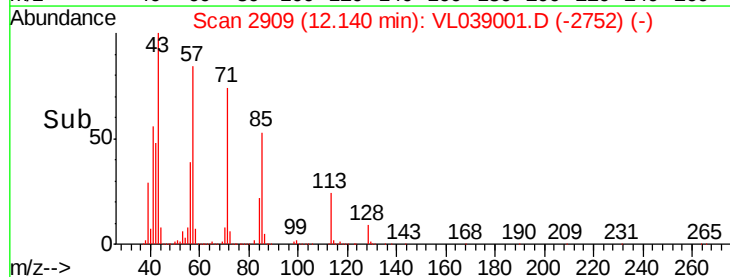
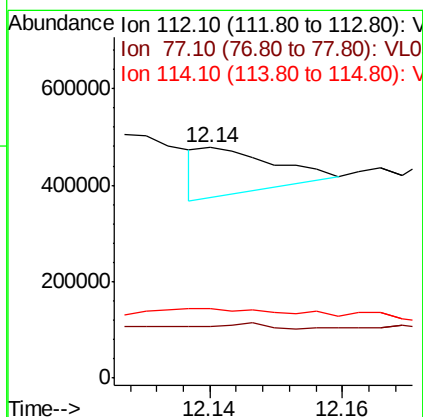
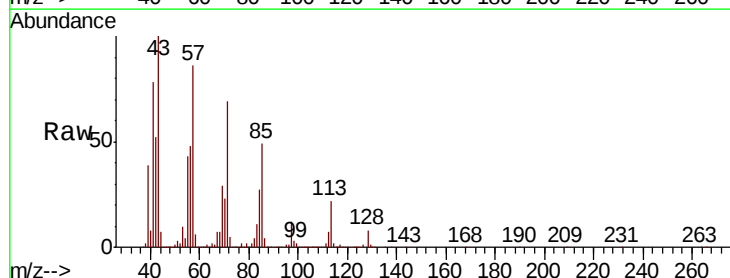
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV1
Acq: 10 May 2022 00:22

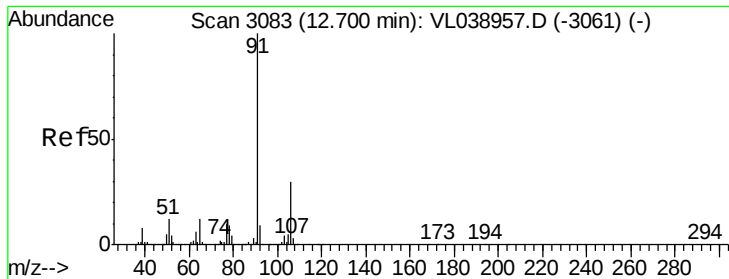
Tot Ion:117 Resp: 514035
Ion Ratio Lower Upper
117 100
82 171.4 57.0 85.6#
119 35.0 27.2 40.8



#57
Chlorobenzene
Concen: 1.959 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Tgt Ion:112 Resp: 75475
Ion Ratio Lower Upper
112 100
77 7.2 57.7 86.5#
114 29.4 30.1 36.7#





#58

Ethyl Benzene

Concen: 1.083 ppbv

RT: 12.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV1

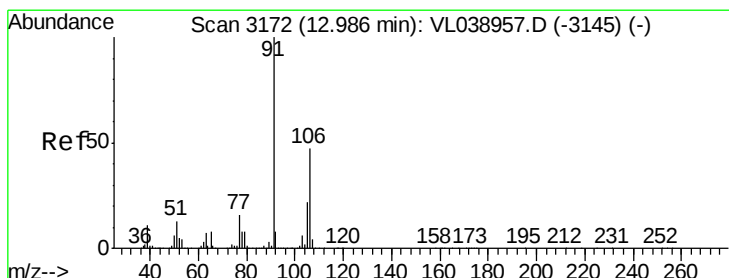
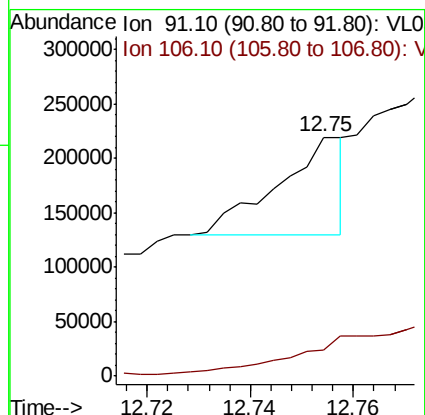
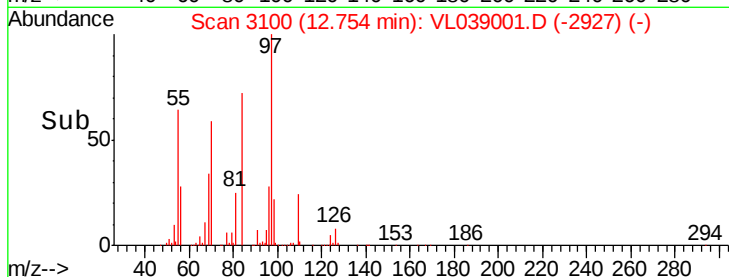
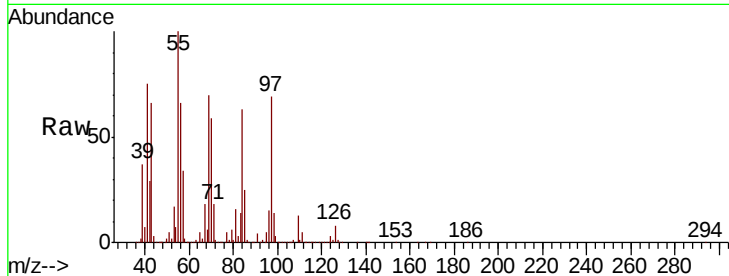
Acq: 10 May 2022 00:22

Tot Ion: 91 Resp: 80148

Ion Ratio Lower Upper

91 100

106 22.1 24.2 36.4#



#59

m/p-Xylene

Concen: 14.580 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.05 min

Lab File: VL039001.D

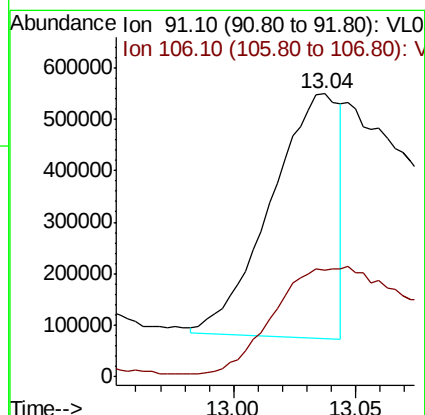
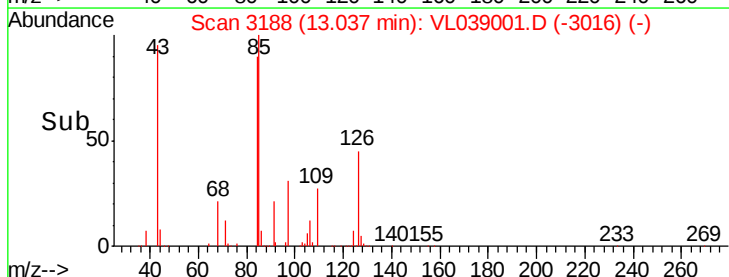
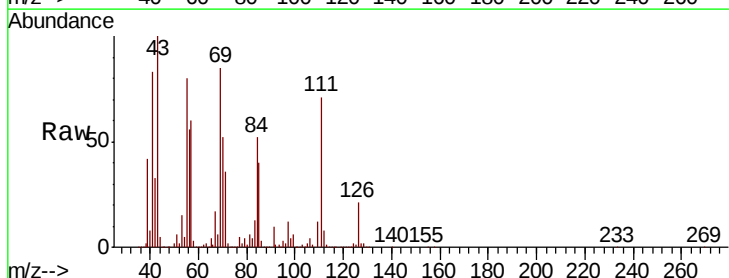
Acq: 10 May 2022 00:22

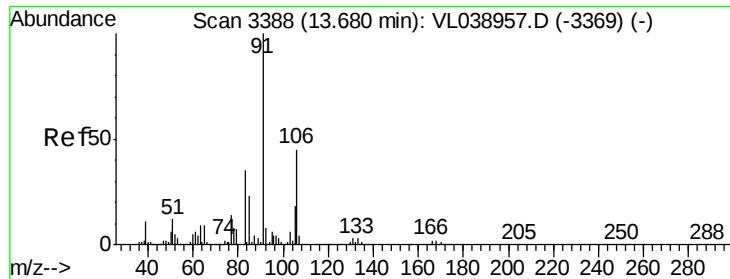
Tgt Ion: 91 Resp: 920784

Ion Ratio Lower Upper

91 100

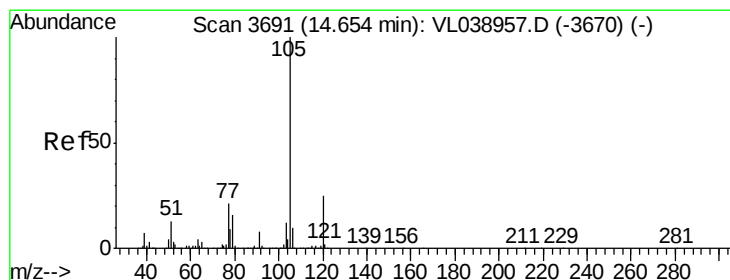
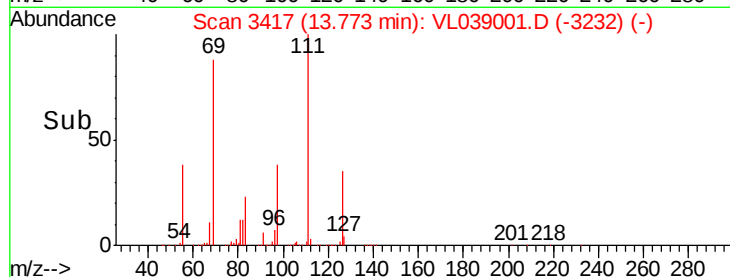
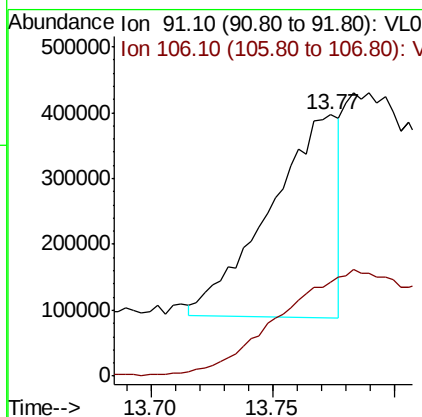
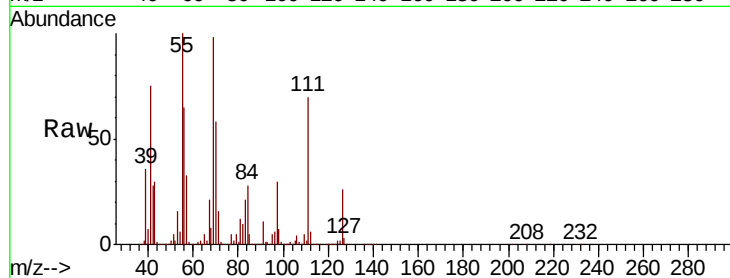
106 0.0 34.6 52.0#





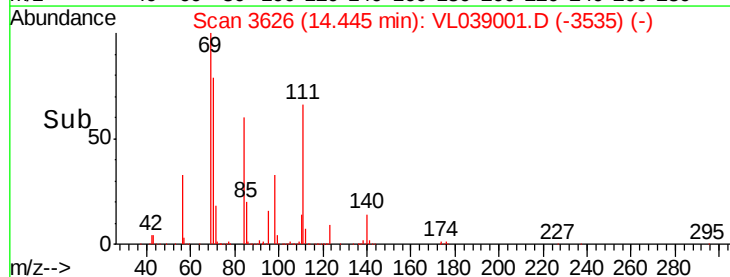
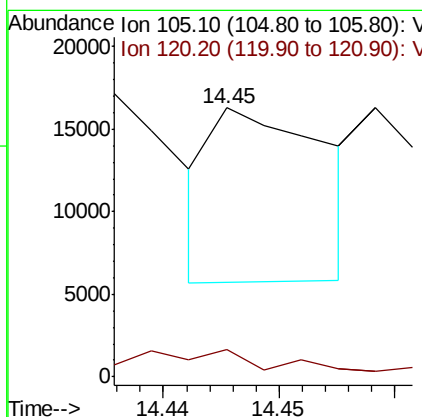
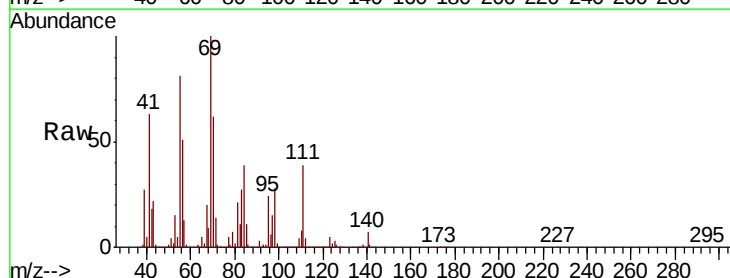
#60
o-Xylene
Concen: 10.152 ppbv
RT: 13.77
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV1
Acq: 10 May 2022 00:22

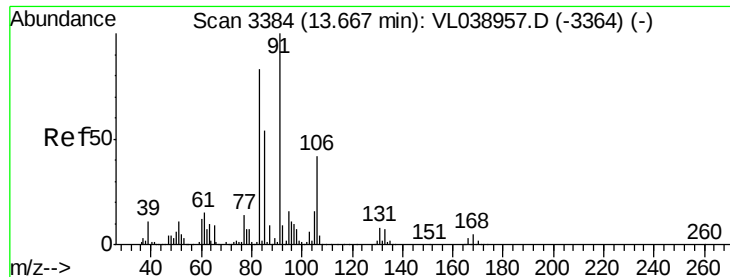
Tot Ion: 91 Resp: 603421
Ion Ratio Lower Upper
91 100
106 0.0 22.2 66.6#



#62
Isopropylbenzene
Concen: 0.082 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.21 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Tgt Ion: 105 Resp: 7126
Ion Ratio Lower Upper
105 100
120 30.6 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 26.337 ppbv

RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 00:22

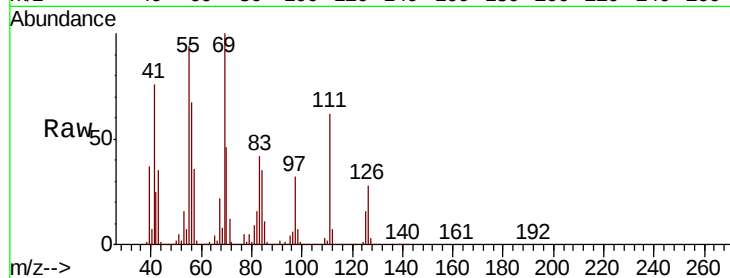
Tot Ion: 83 Resp: 921788

Ion Ratio Lower Upper

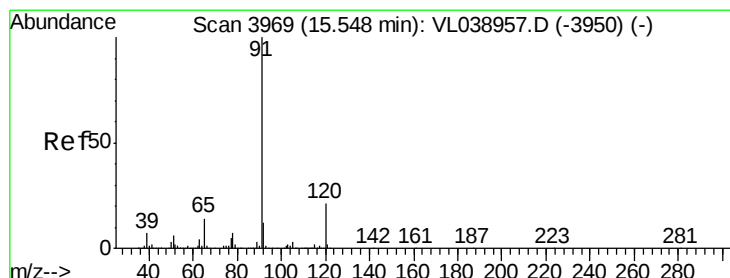
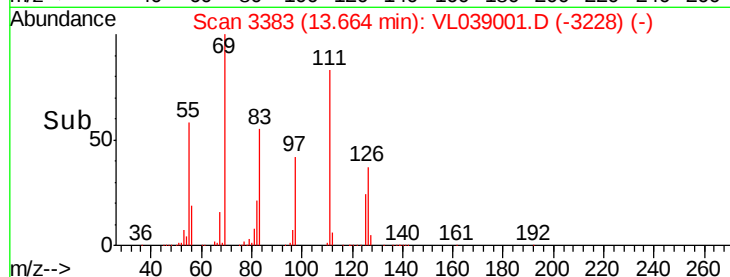
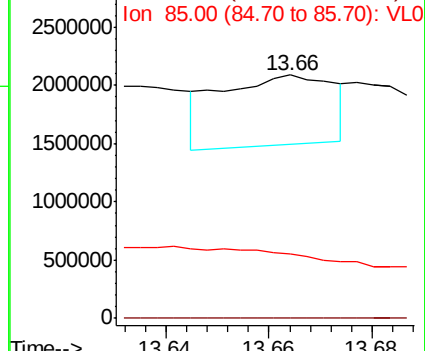
83 100

131 0.0 4.5 13.7#

85 0.0 32.8 98.3#



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: 0.148 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. 0.06 min

Lab File: VL039001.D

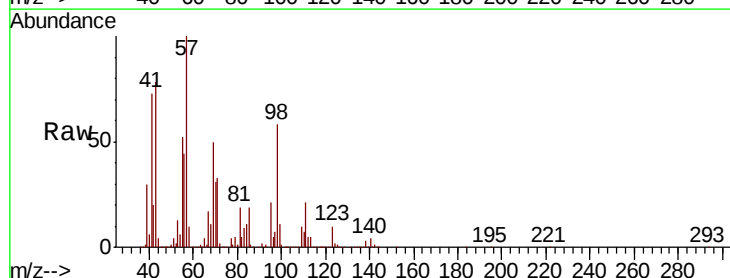
Acq: 10 May 2022 00:22

Tgt Ion: 120 Resp: 3106

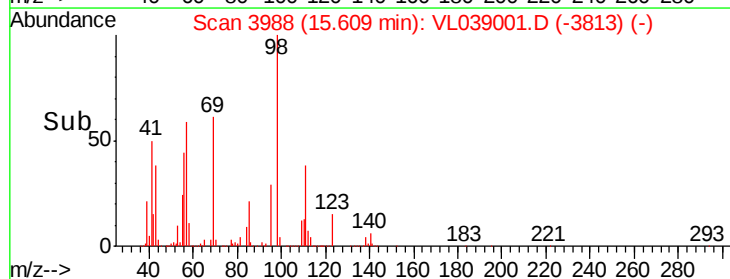
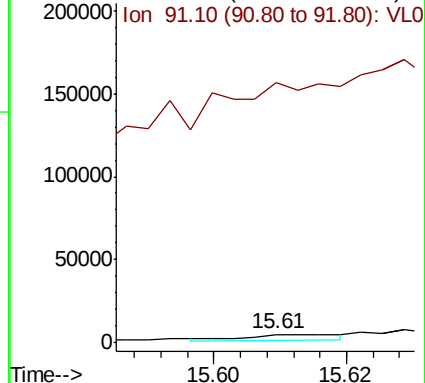
Ion Ratio Lower Upper

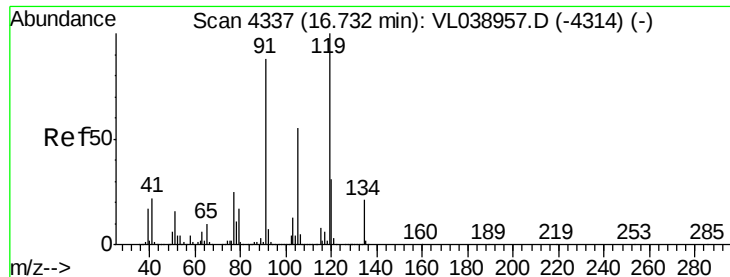
120 100

91 0.0 400.6 601.0#



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





#65

tert-Butylbenzene

Concen: 1.819 ppbv

RT: 16.79

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 00:22

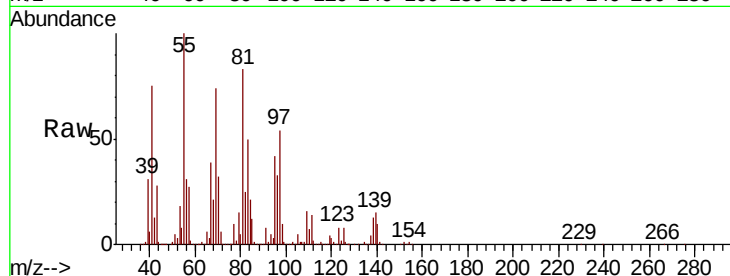
Tot Ion: 119 Resp: 138512

Ion Ratio Lower Upper

119 100

91 134.2 69.4 104.2#

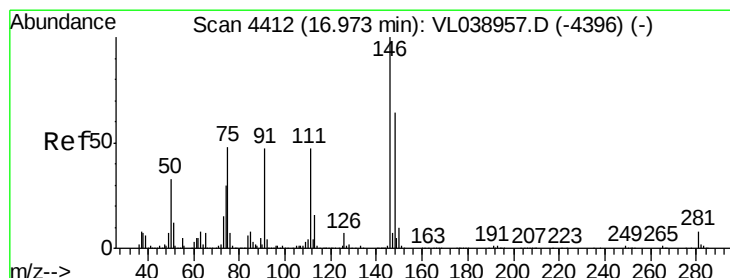
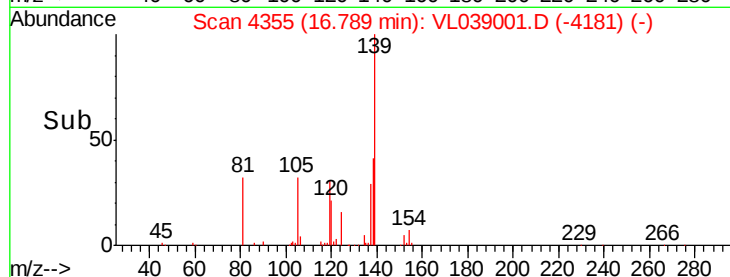
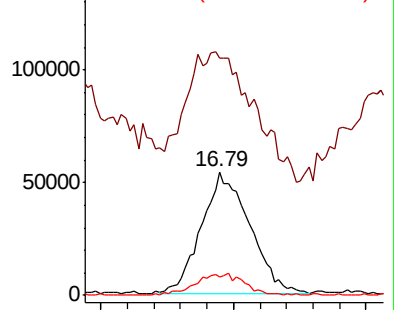
134 17.9 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.824 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.03 min

Lab File: VL039001.D

Acq: 10 May 2022 00:22

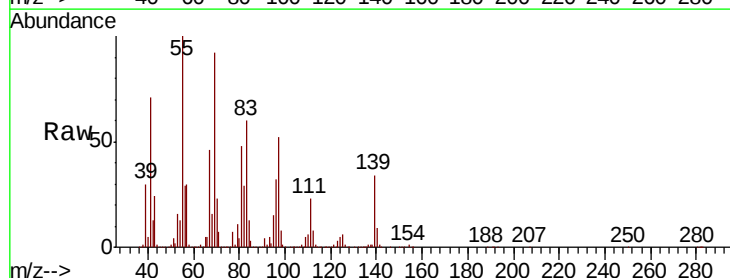
Tgt Ion: 91 Resp: 8201

Ion Ratio Lower Upper

91 100

126 309.1 11.8 17.6#

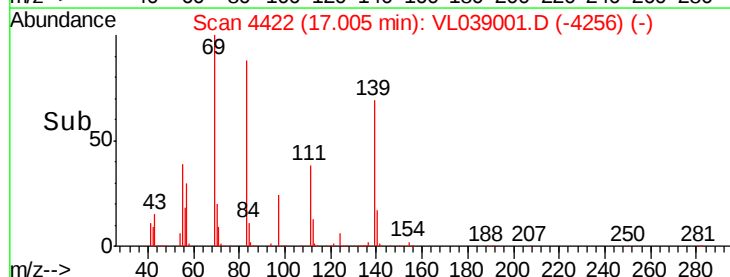
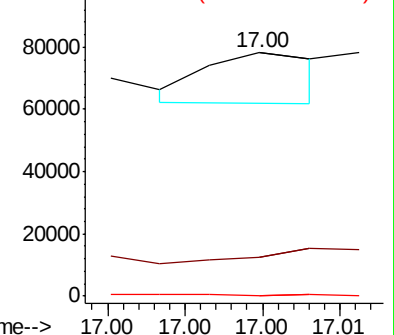
128 5.7 4.2 6.2

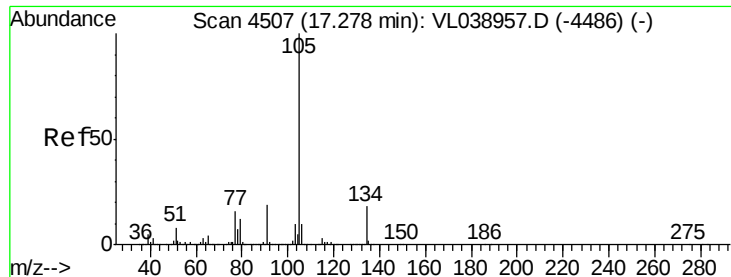


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.346 ppbv

RT: 17.33

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

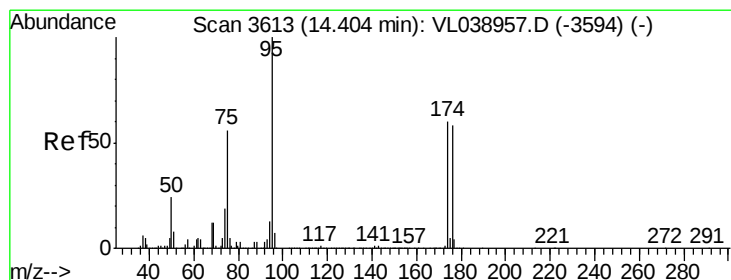
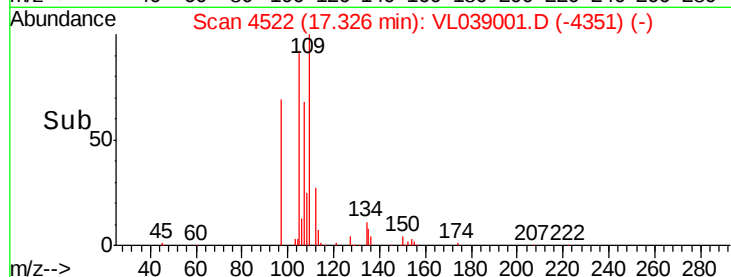
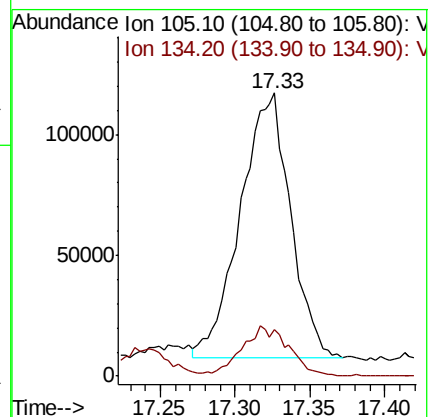
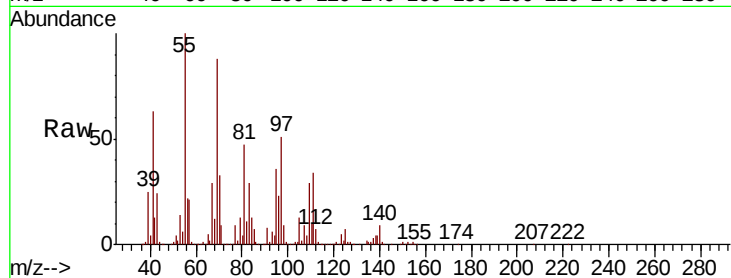
Acq: 10 May 2022 00:22

Tot Ion: 105 Resp: 255264

Ion Ratio Lower Upper

105 100

134 18.0 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 177.494 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. 0.07 min

Lab File: VL039001.D

Acq: 10 May 2022 00:22

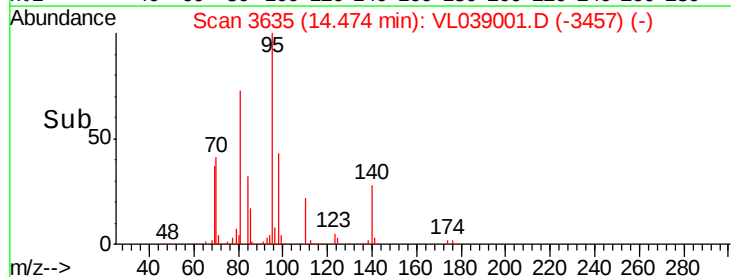
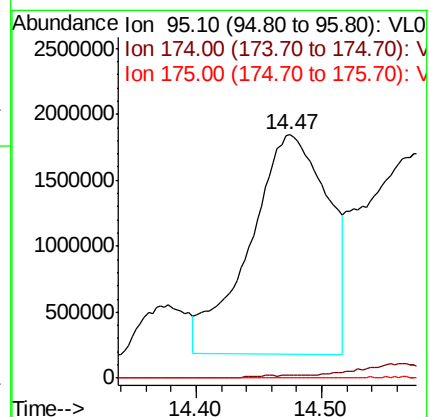
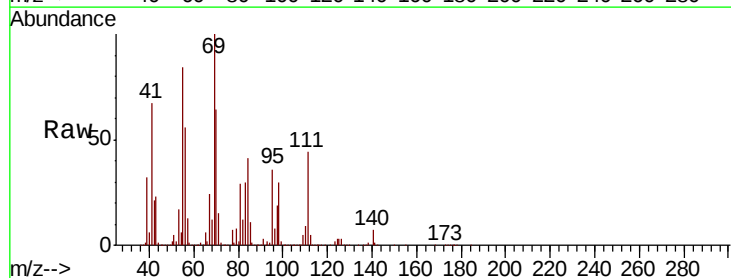
Tgt Ion: 95 Resp: 7225588

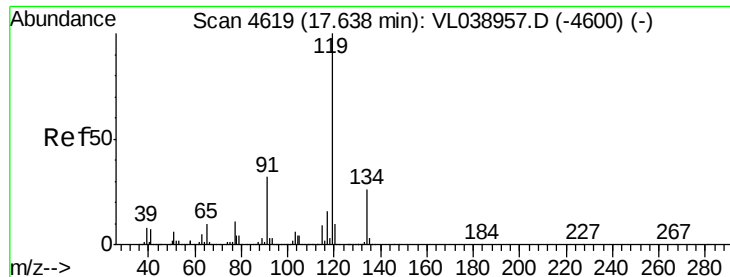
Ion Ratio Lower Upper

95 100

174 0.0 50.8 76.2#

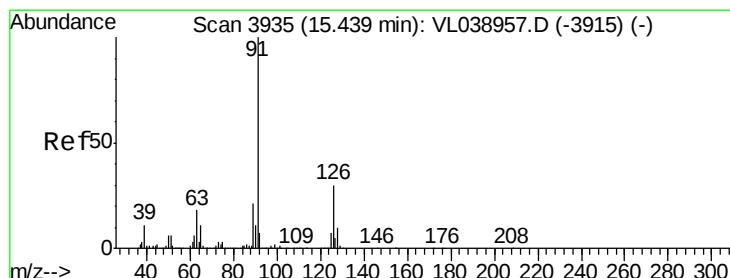
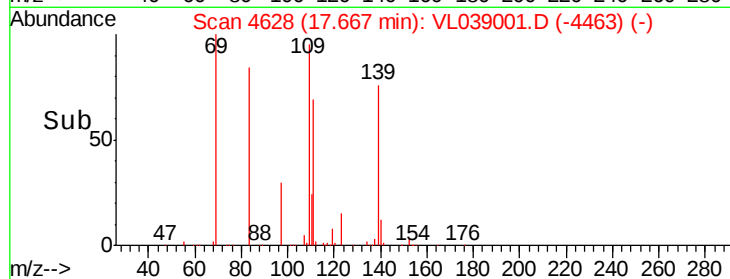
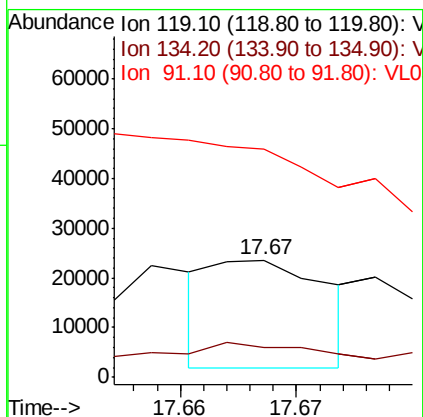
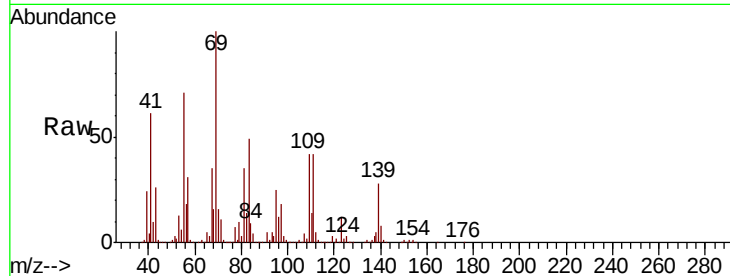
175 0.1 3.8 5.6#





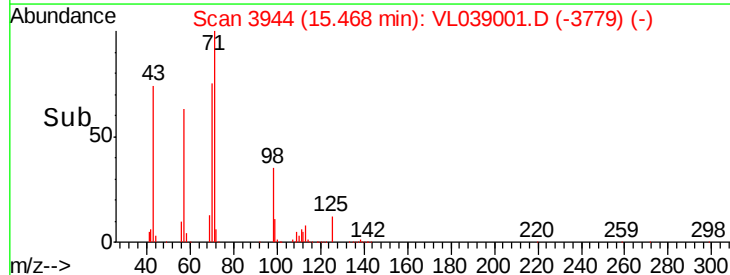
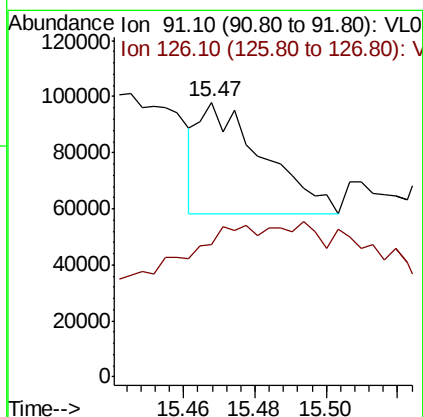
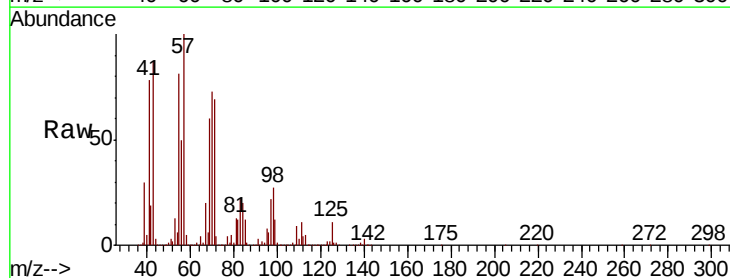
#69
 p-Isopropyltoluene
 Concen: 0.171 ppbv
 RT: 17.67 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1
 Acq: 10 May 2022 00:22

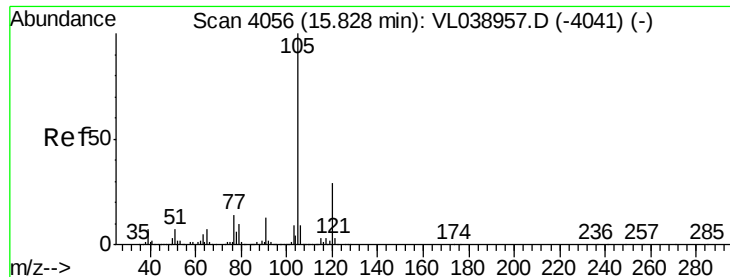
Tot Ion	Ratio	Lower	Upper
119	100		
134	101.4	20.0	30.0#
91	0.0	24.8	37.2#



#71
 2-Chlorotoluene
 Concen: 0.735 ppbv
 RT: 15.47 min Scan# 3944
 Delta R.T. 0.03 min
 Lab File: VL039001.D
 Acq: 10 May 2022 00:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.9	47.5#





#72

4-Ethyltoluene

Concen: 9.357 ppbv

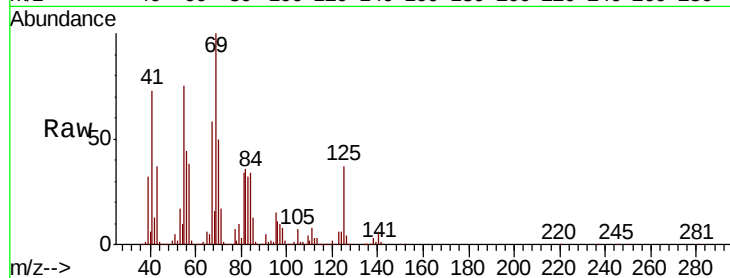
RT: 15.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 00:22

Tot Ion:	105	Resp:	633772
Ion	Ratio	Lower	Upper
105	100		
120	31.5	23.4	35.0
91	39.5	10.6	16.0#
77	0.0	12.5	18.7#



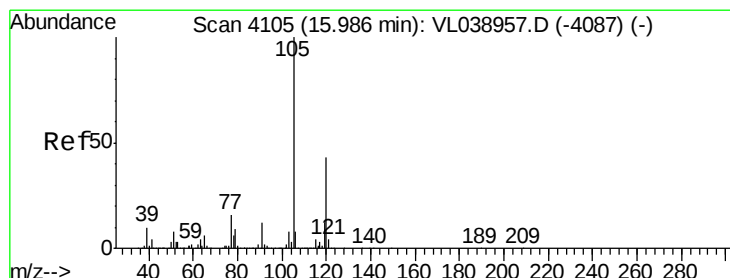
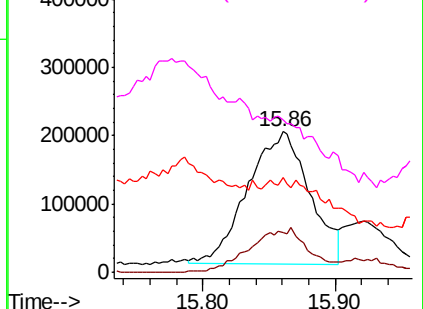
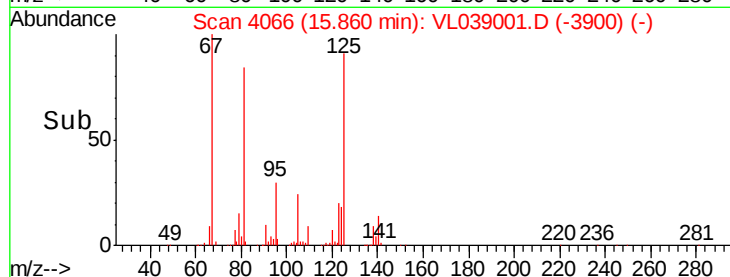
Abundance

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



#73

1,3,5-Trimethylbenzene

Concen: 3.493 ppbv

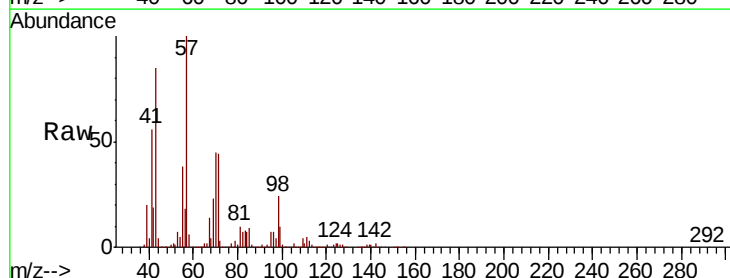
RT: 16.10 min Scan# 4140

Delta R.T. 0.11 min

Lab File: VL039001.D

Acq: 10 May 2022 00:22

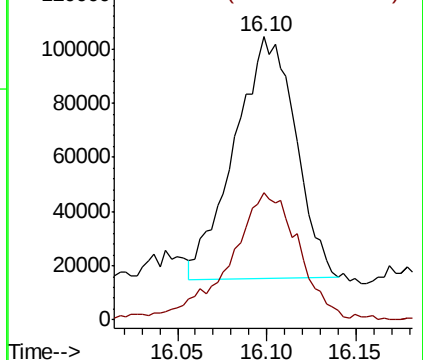
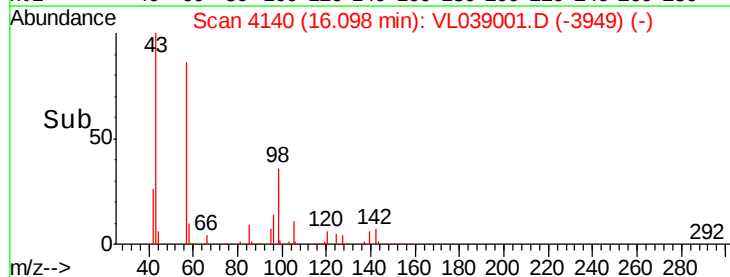
Tgt Ion:	105	Resp:	212998
Ion	Ratio	Lower	Upper
105	100		
120	48.9	34.4	51.6

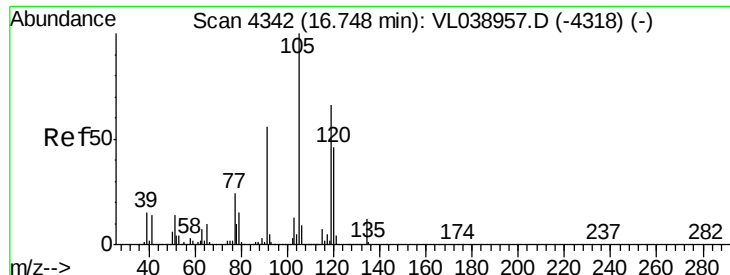


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 4.978 ppbv
 RT: 16.81
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 SV1
 Acq: 10 May 2022 00:22

Tot Ion:	105	Resp:	332366
Ion Ratio	Lower	Upper	
105	100		
120	43.9	36.9	55.3
91	26.7	45.0	67.4#
77	13.2	19.2	28.8#

