

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039005.D
 Acq On : 10 May 2022 3:01
 Operator : SY/AP
 Sample : N2696-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Quant Time: May 10 05:48:18 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	1097045	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3115303	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	2794699	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2138146	9.66	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	92031	0.535	ppbv 100
3) Chlorodifluoromethane	2.98	51	72295	0.531	ppbv # 76
4) Chloromethane	3.14	50	18468	0.271	ppbv # 84
7) Chloroethane	3.55	64	1543	0.074	ppbv 96
9) Propene	3.00	41	4039108	67.943	ppbv 87
10) Heptane	8.10	43	990904	6.794	ppbv 100
11) Trichlorofluoromethane	3.94	101	21621	0.147	ppbv 90
13) Ethanol	3.59	45	2931552	696.820	ppbv 86
15) Acetone	3.83	43	4052080	39.157	ppbv # 78
16) 1,3-Butadiene	3.30	39	3383838	56.914	ppbv # 18
17) tert-Butyl alcohol	4.28	59	3296693	41.449	ppbv 98
19) Isopropyl Alcohol	3.95	45	740412	15.048	ppbv # 1
20) Methylene Chloride	4.33	84	88805	2.277	ppbv # 92
21) Allyl Chloride	4.36	41	307894	4.366	ppbv # 59
22) trans-1,2-Dichloroethene	4.87	96	1748	0.037	ppbv # 41
23) Vinyl Acetate	5.04	43	981502	11.987	ppbv # 1
25) Ethyl Acetate	5.67	43	1402661	5.663	ppbv # 92
26) Hexane	5.67	57	1220728	11.092	ppbv # 56
27) Carbon Disulfide	4.54	76	520106	4.975	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	54574	0.652	ppbv # 52
29) Chloroform	5.74	83	264989	1.488	ppbv 95
30) Cyclohexane	7.11	84	361857	3.927	ppbv 96
34) 2-Butanone	5.22	43	2471354	15.550	ppbv 97
36) Benzene	6.87	78	762503	2.860	ppbv 94
39) 1,2-Dichloropropane	7.15	63	684070	6.594	ppbv # 25
40) 1,4-Dioxane	7.80	88	98194	2.636	ppbv # 1
41) Tetrahydrofuran	6.02	42	1501389	14.055	ppbv 99
42) Bromodichloromethane	7.76	83	36356	0.161	ppbv # 24
43) Methyl Methacrylate	7.99	69	20560	0.190	ppbv # 1
44) 2,2,4-Trimethylpentane	7.84	57	4570676	9.770	ppbv # 90
50) 4-Methyl-2-Pentanone	8.71	43	1038300	3.726	ppbv 96
51) 2-Hexanone	10.09	43	518180	2.548	ppbv # 65
52) Tetrachloroethene	11.20	164	6478139	67.997	ppbv 93
53) Toluene	9.78	91	3788597	12.679	ppbv 99
57) Chlorobenzene	12.16	112	99539	0.475	ppbv # 28
58) Ethyl Benzene	12.68	91	2810559	6.988	ppbv 99
59) m/p-Xylene	12.94	91	7860825	22.895	ppbv 90
60) o-Xylene	13.66	91	4024211	12.453	ppbv 96
61) Styrene	13.50	104	35659	0.207	ppbv 94
62) Isopropylbenzene	14.63	105	427831	0.905	ppbv 99
64) n-propylbenzene	15.53	120	191014	1.672	ppbv 93

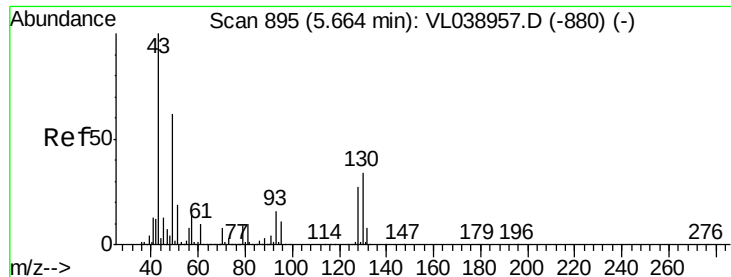
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039005.D
 Acq On : 10 May 2022 3:01
 Operator : SY/AP
 Sample : N2696-03
 Misc : 400mL/MSVOA L
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Quant Time: May 10 05:48:18 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 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)
65) tert-Butylbenzene	16.73	119	124360	0.300	ppbv #	79
66) Benzyl Chloride	16.95	91	1748	0.032	ppbv #	1
67) sec-Butylbenzene	17.26	105	172011	0.291	ppbv	98
69) p-Isopropyltoluene	17.62	119	88254	0.185	ppbv	95
71) 2-Chlorotoluene	15.52	91	904612	2.483	ppbv #	46
72) 4-Ethyltoluene	15.81	105	675037	1.833	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.96	105	596015	1.798	ppbv	97
74) 1,2,4-Trimethylbenzene	16.73	105	1085399	2.990	ppbv #	67

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 3:01

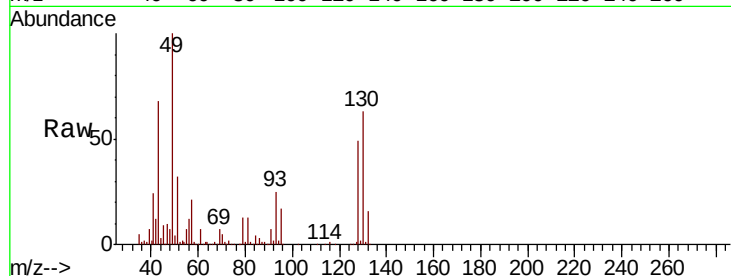
Tot Ion: 49 Resp: 1097045

Ion Ratio Lower Upper

49 100

128 51.7 23.3 69.8

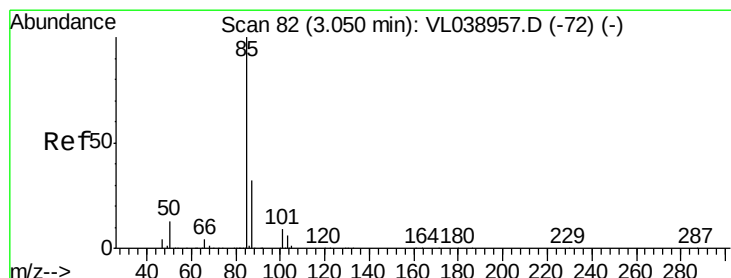
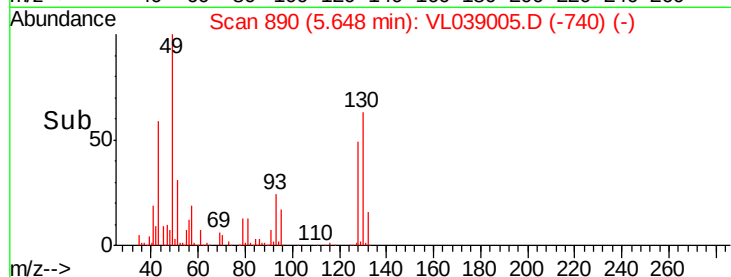
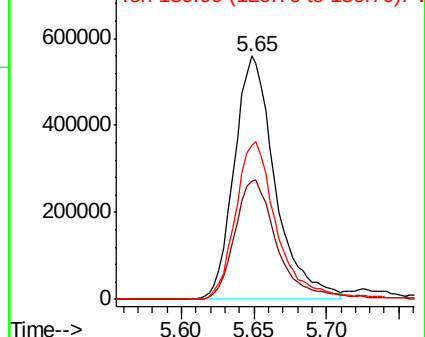
130 66.5 29.8 89.3



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: 0.535 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL039005.D

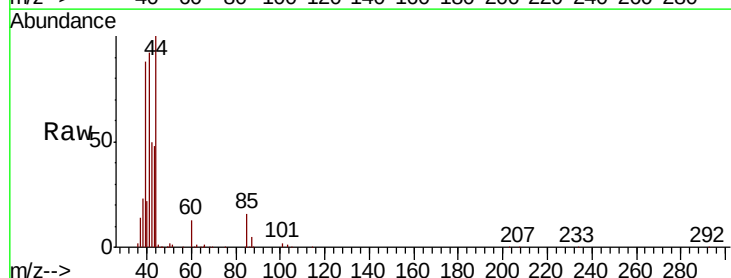
Acq: 10 May 2022 3:01

Tgt Ion: 85 Resp: 92031

Ion Ratio Lower Upper

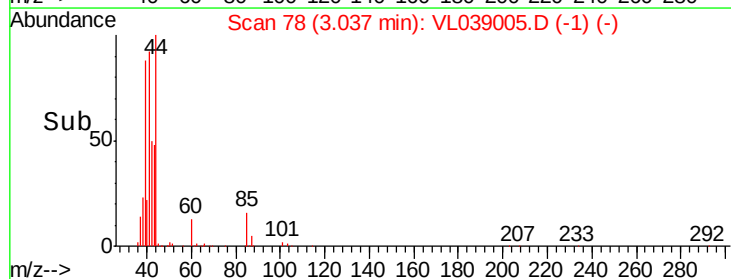
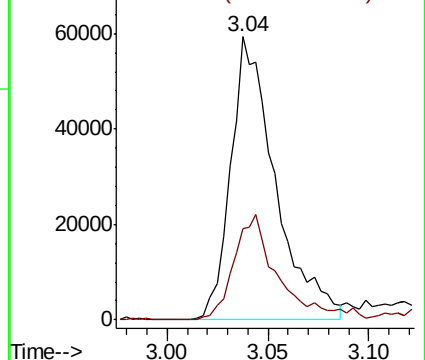
85 100

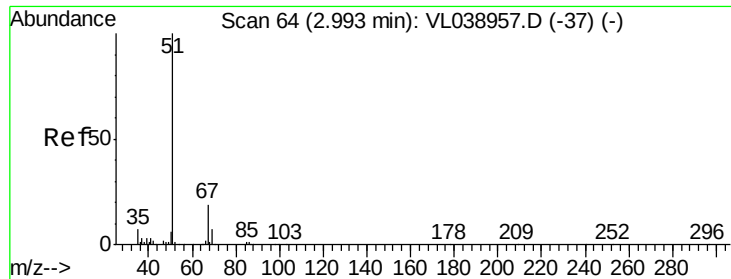
87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.531 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: SV3

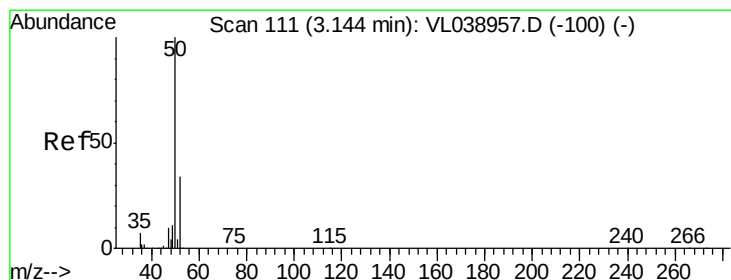
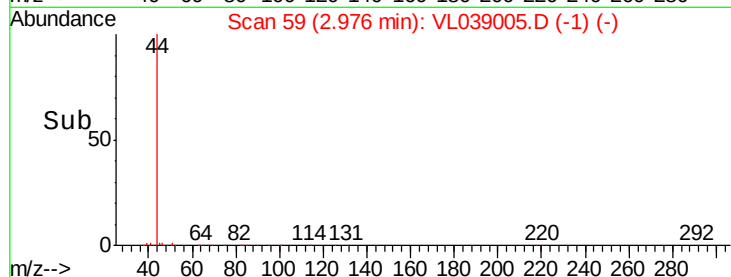
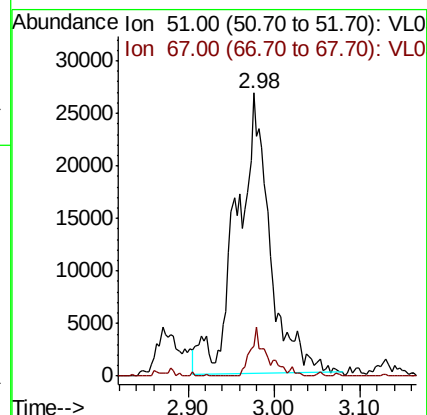
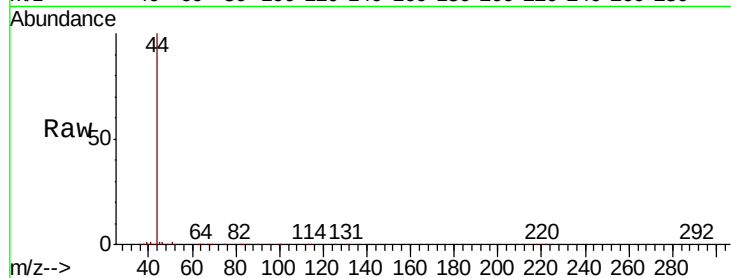
Acq: 10 May 2022 3:01

Tot Ion: 51 Resp: 72295

Ion Ratio Lower Upper

51 100

67 8.9 15.8 23.8#



#4

Chloromethane

Concen: 0.271 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL039005.D

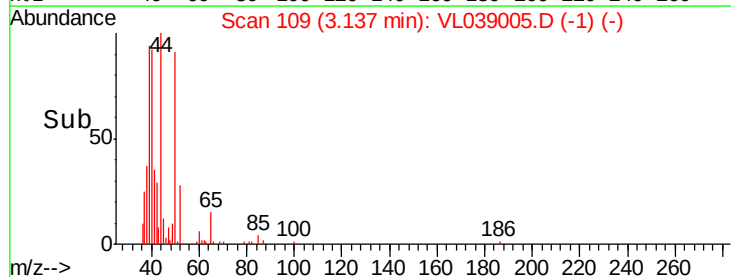
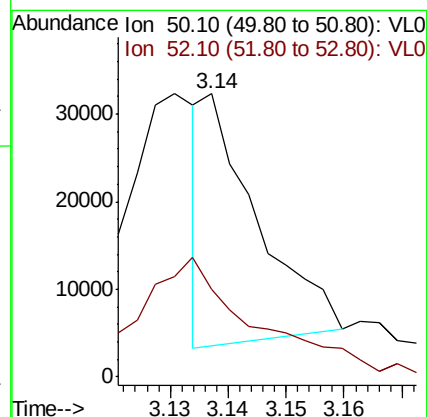
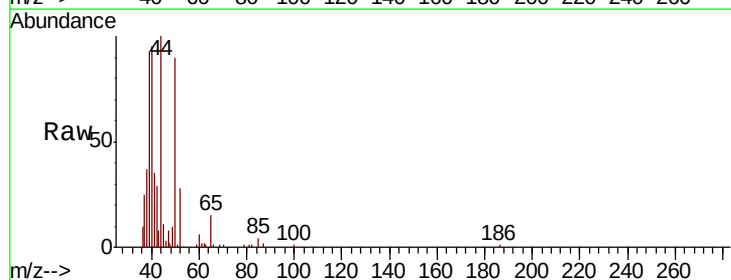
Acq: 10 May 2022 3:01

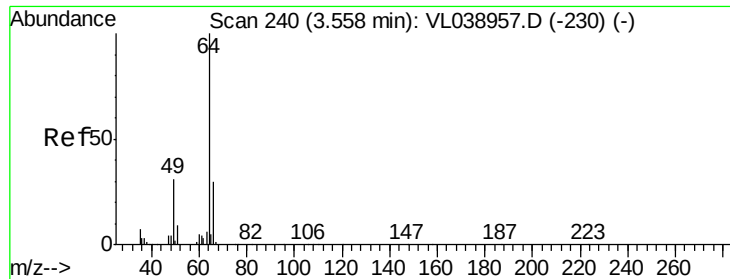
Tgt Ion: 50 Resp: 18468

Ion Ratio Lower Upper

50 100

52 25.1 27.3 40.9#





#7

Chloroethane

Concen: 0.074 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

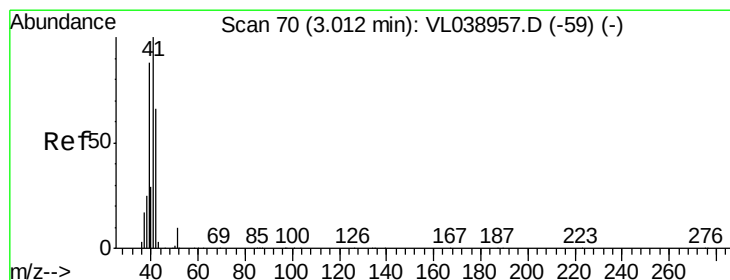
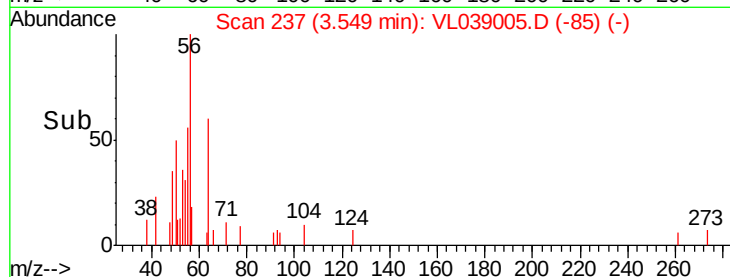
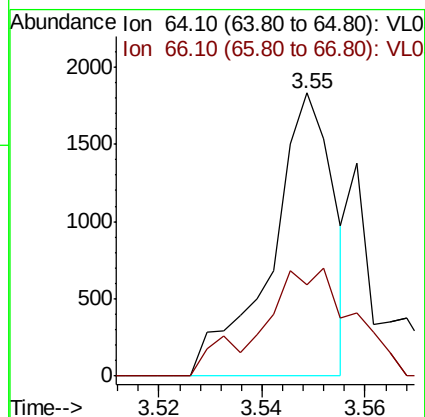
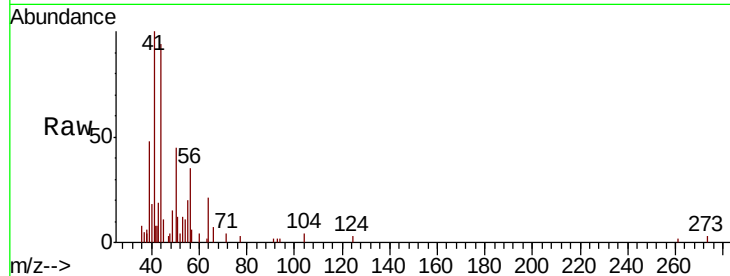
Acq: 10 May 2022 3:01

Tot Ion: 64 Resp: 1543

Ion Ratio Lower Upper

64 100

66 32.1 23.8 35.8



#9

Propene

Concen: 67.943 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL039005.D

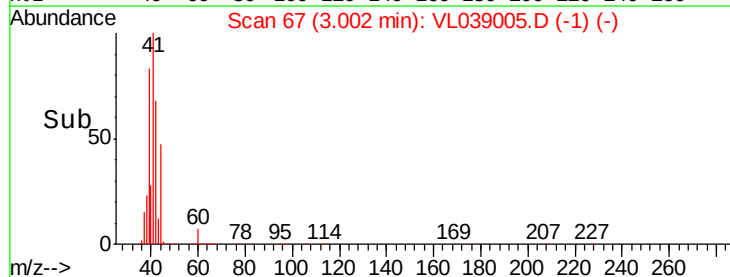
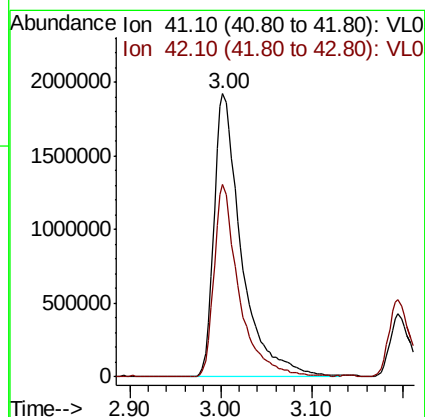
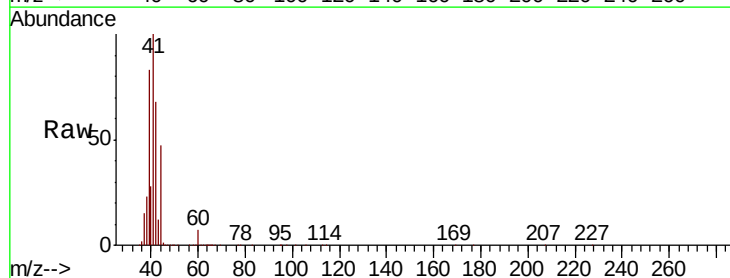
Acq: 10 May 2022 3:01

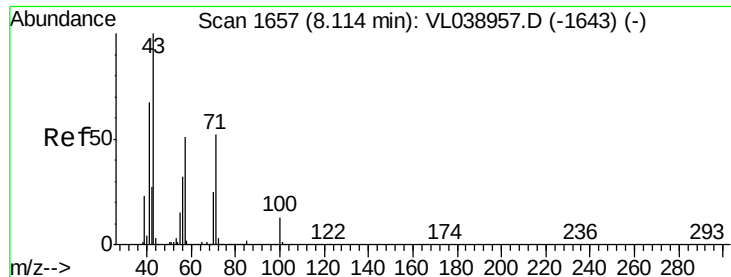
Tgt Ion: 41 Resp: 4039108

Ion Ratio Lower Upper

41 100

42 62.2 58.3 87.5





#10

Heptane

Concen: 6.794 ppbv

RT: 8.10 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

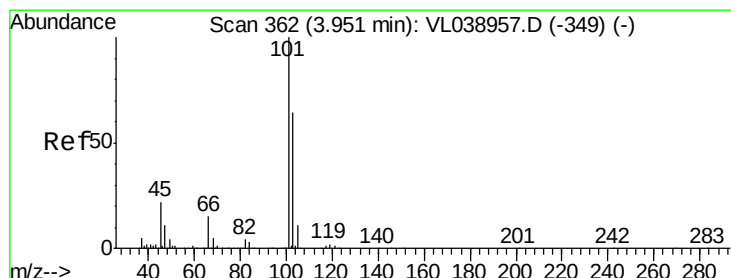
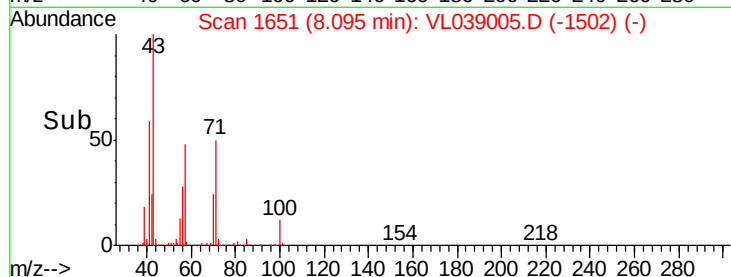
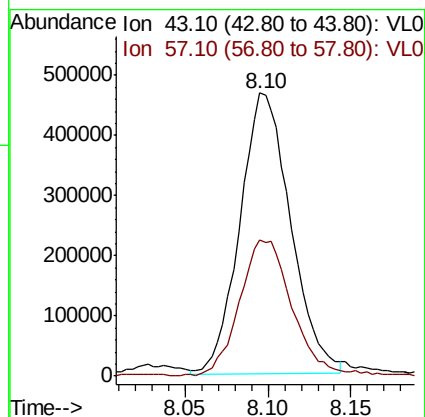
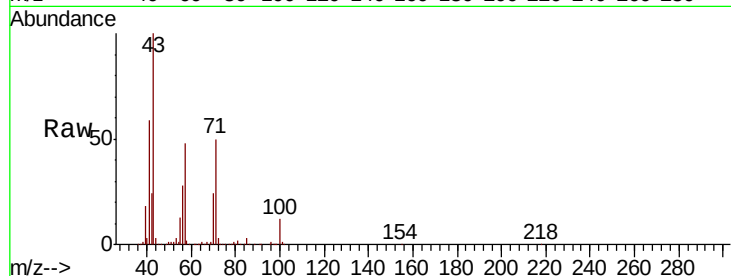
Acq: 10 May 2022 3:01 SV3

Tot Ion: 43 Resp: 990904

Ion Ratio Lower Upper

43 100

57 50.9 40.5 60.7



#11

Trichlorofluoromethane

Concen: 0.147 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

Lab File: VL039005.D

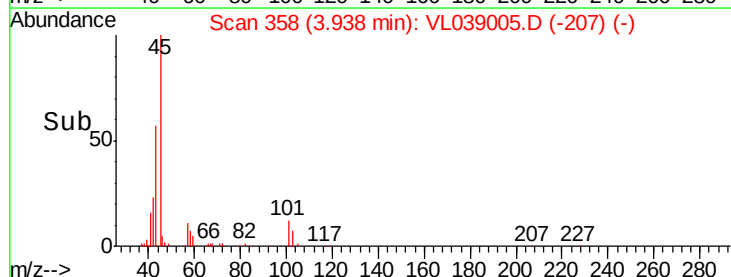
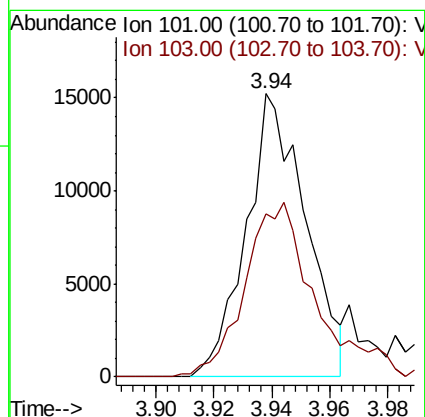
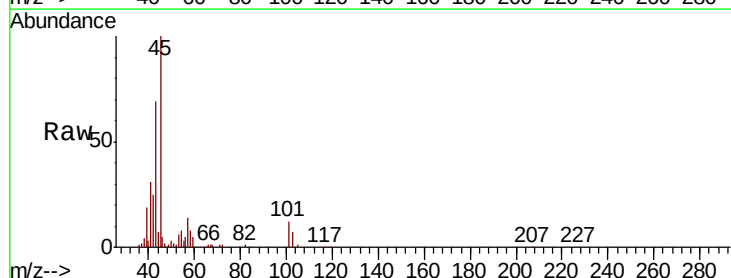
Acq: 10 May 2022 3:01

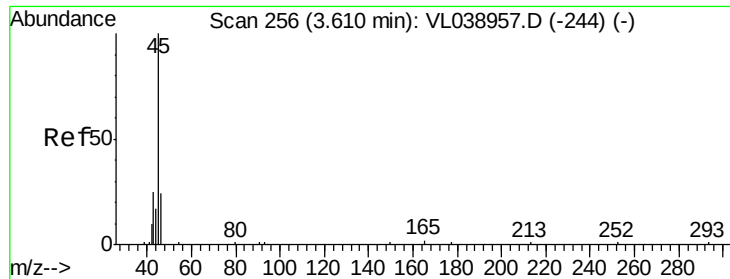
Tgt Ion: 101 Resp: 21621

Ion Ratio Lower Upper

101 100

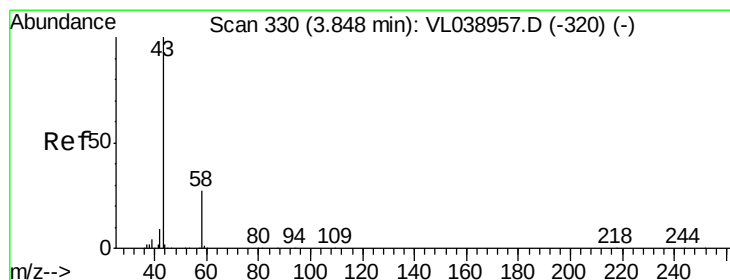
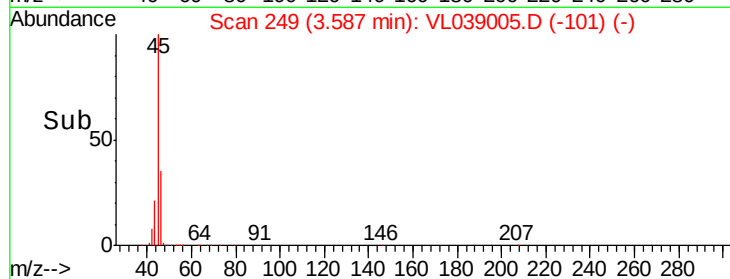
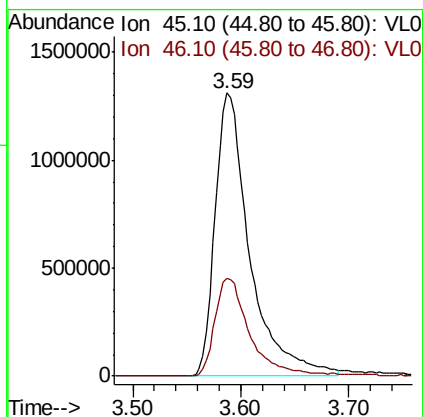
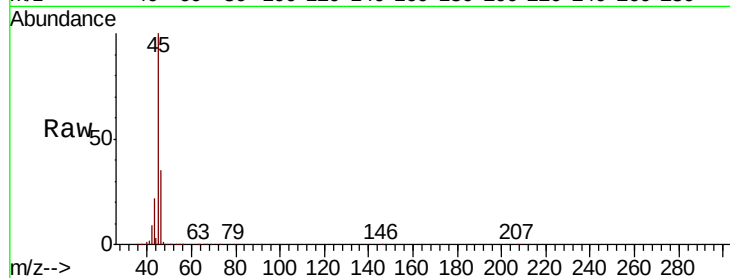
103 56.4 51.5 77.3





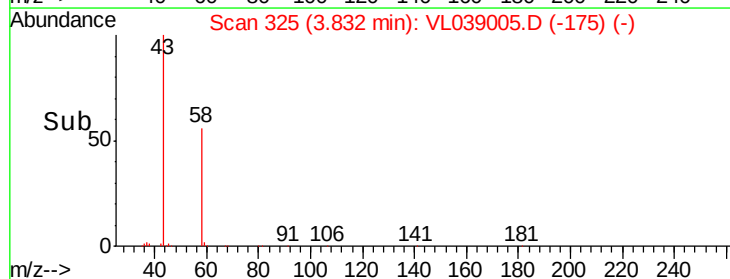
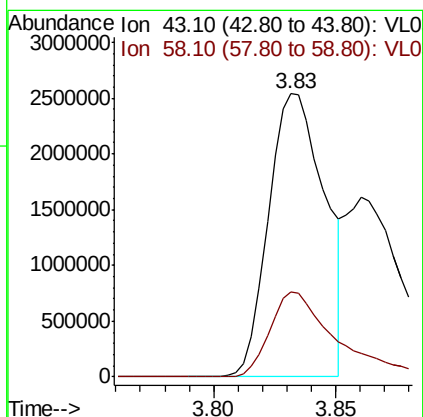
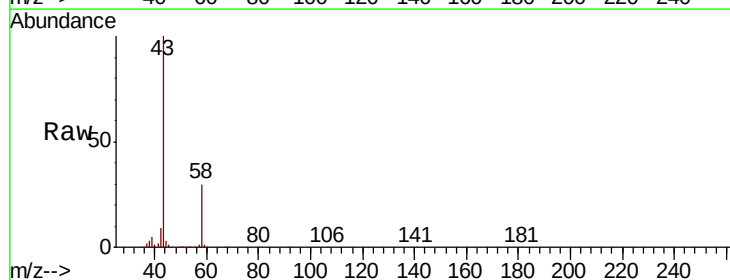
#13
Ethanol
Concen: 696.820 ppbv
RT: 3.59
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
SV3
Acq: 10 May 2022 3:01

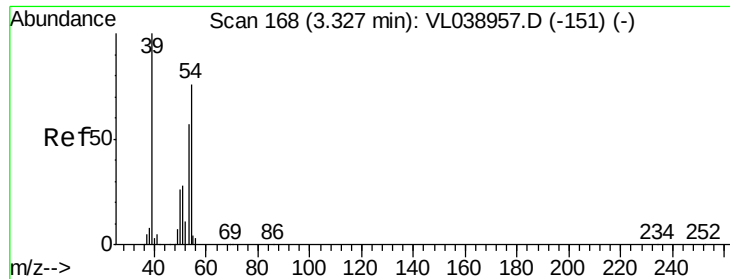
Tot Ion: 45 Resp: 2931552
Ion Ratio Lower Upper
45 100
46 35.7 18.0 72.2



#15
Acetone
Concen: 39.157 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL039005.D
Acq: 10 May 2022 3:01

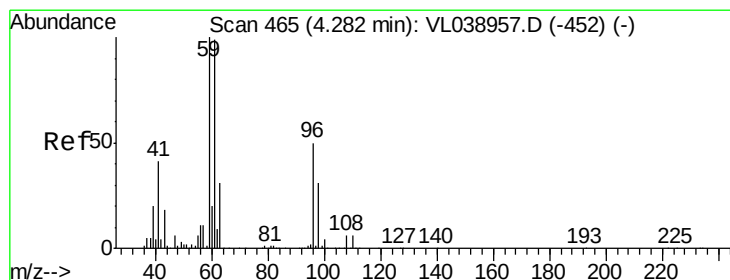
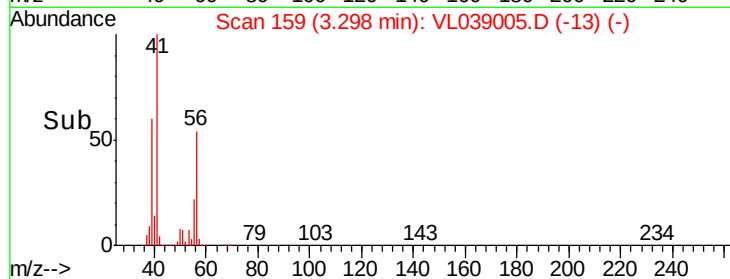
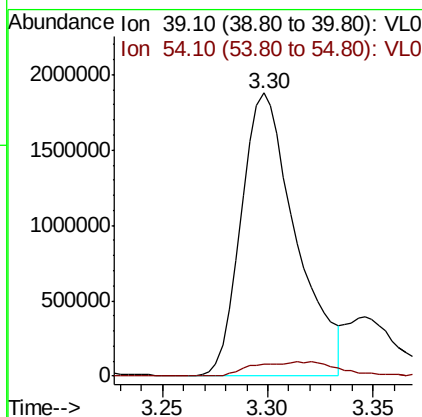
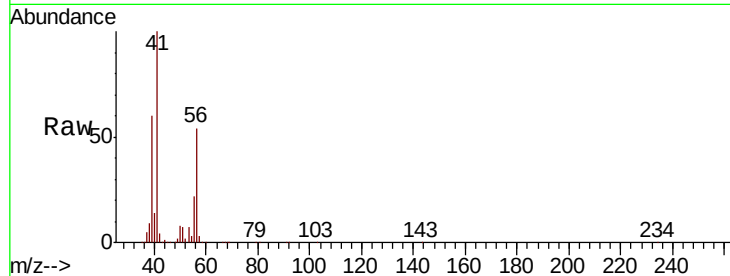
Tgt Ion: 43 Resp: 4052080
Ion Ratio Lower Upper
43 100
58 37.9 21.3 31.9#





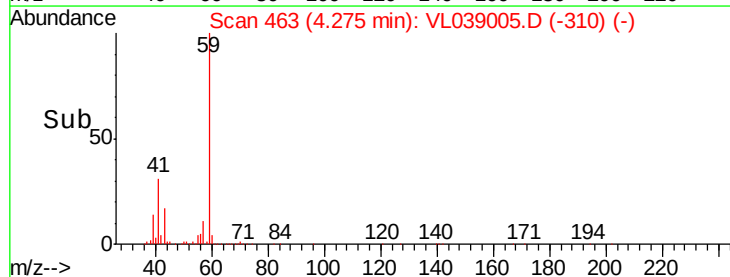
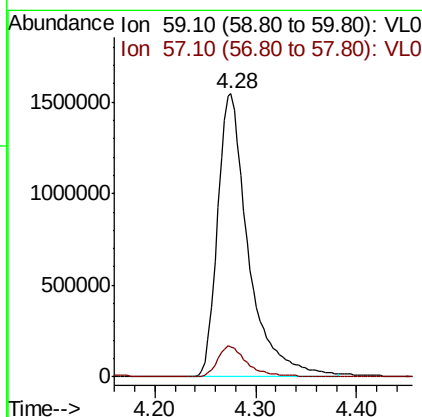
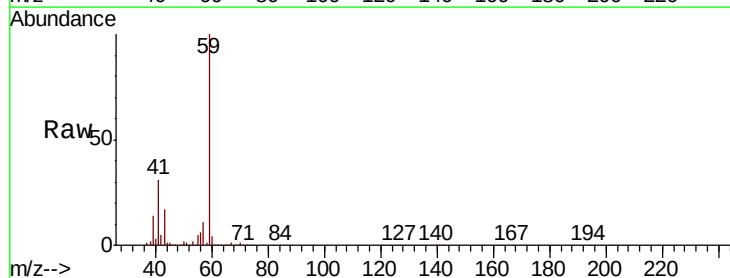
#16
 1,3-Butadiene
 Concen: 56.914 ppbv
 RT: 3.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV3
 Acq: 10 May 2022 3:01

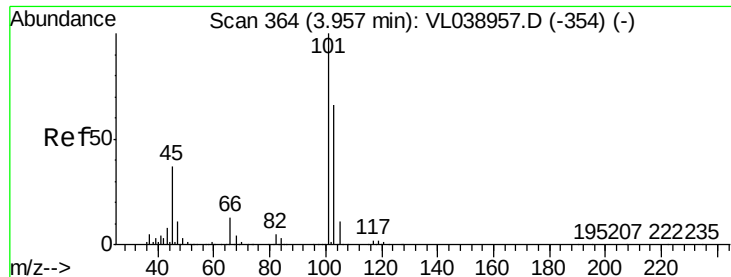
Tot Ion: 39 Resp: 3383838
 Ion Ratio Lower Upper
 39 100
 54 8.3 65.2 97.8#



#17
 tert-Butyl alcohol
 Concen: 41.449 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: VL039005.D
 Acq: 10 May 2022 3:01

Tgt Ion: 59 Resp: 3296693
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.2 13.8





#19

Isopropyl Alcohol

Concen: 15.048 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

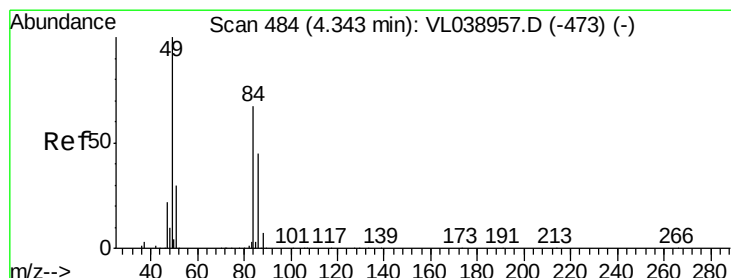
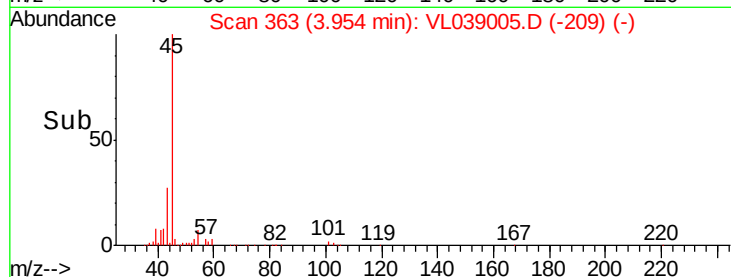
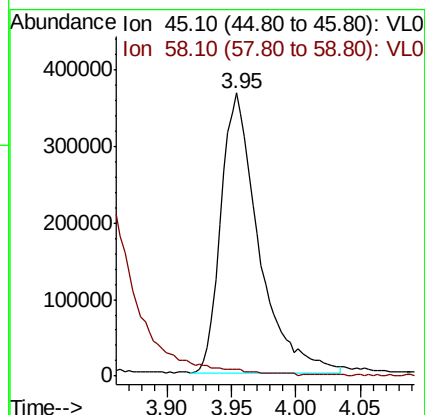
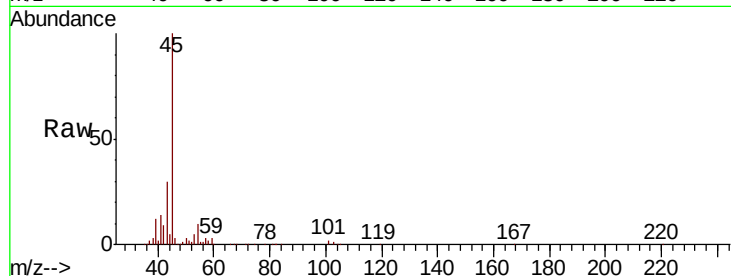
Acq: 10 May 2022 3:01

Tot Ion: 45 Resp: 740412

Ion Ratio Lower Upper

45 100

58 207.5 1.4 2.2#



#20

Methylene Chloride

Concen: 2.277 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL039005.D

Acq: 10 May 2022 3:01

Tgt Ion: 84 Resp: 88805

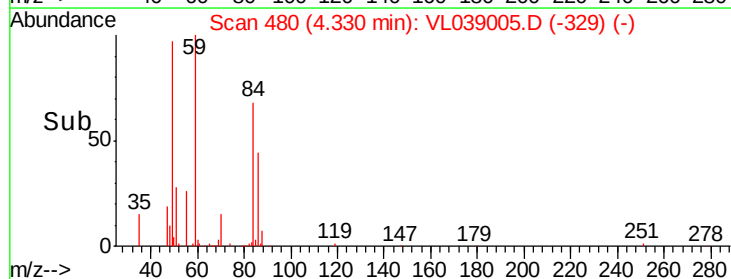
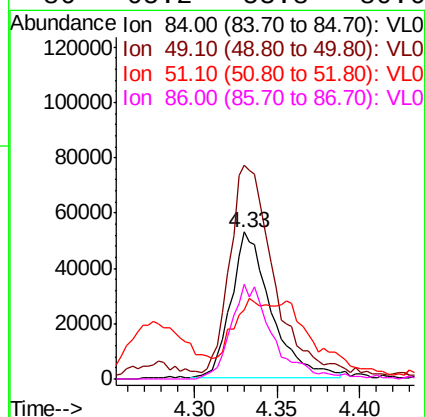
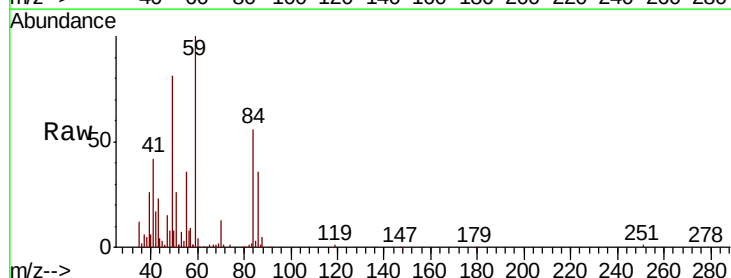
Ion Ratio Lower Upper

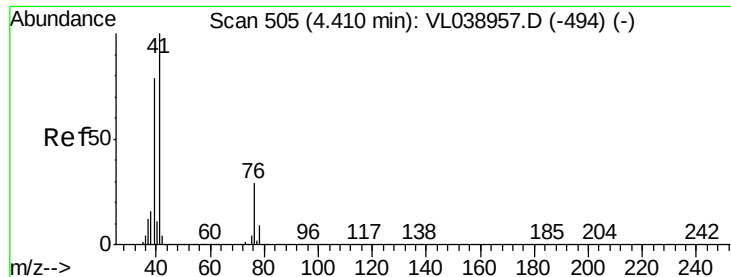
84 100

49 140.9 119.9 179.9

51 31.1 35.7 53.5#

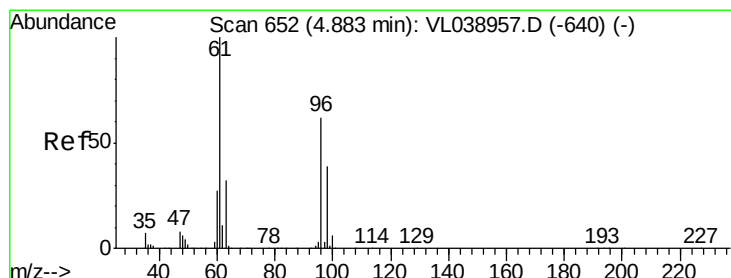
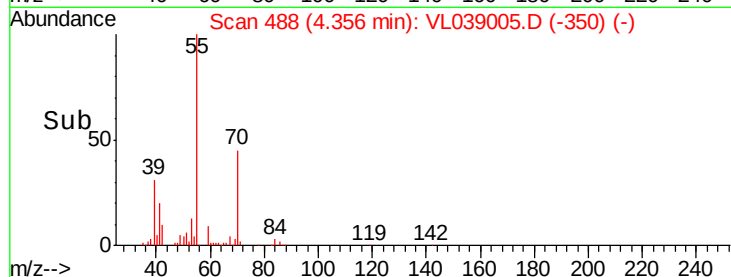
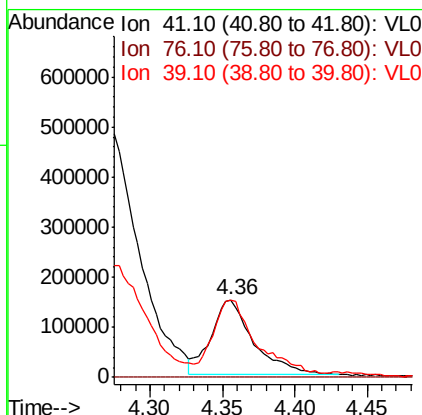
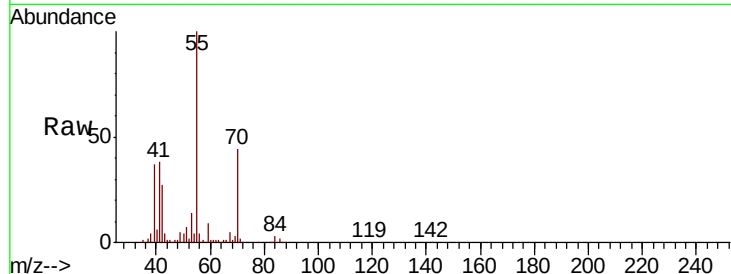
86 65.2 53.8 80.6





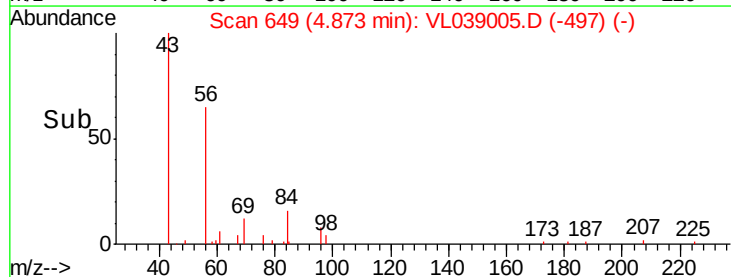
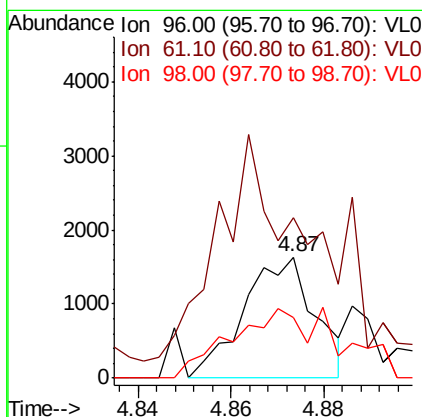
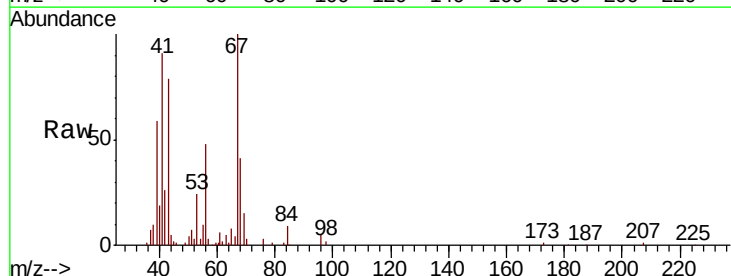
#21
 Allvl Chloride
 Concen: 4.366 ppbv
 RT: 4.36
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV3
 Acq: 10 May 2022 3:01

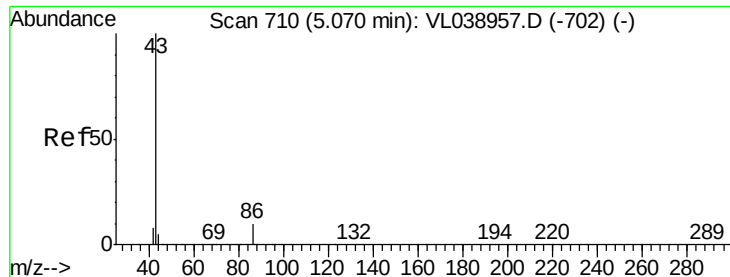
Tot Ion: 41 Resp: 307894
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.2 36.4#
 39 110.7 63.8 95.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.037 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: VL039005.D
 Acq: 10 May 2022 3:01

Tgt Ion: 96 Resp: 1748
 Ion Ratio Lower Upper
 96 100
 61 69.9 128.2 192.2#
 98 36.6 50.1 75.1#





#23

Vinyl Acetate

Concen: 11.987 ppbv

RT: 5.04 Instrument:

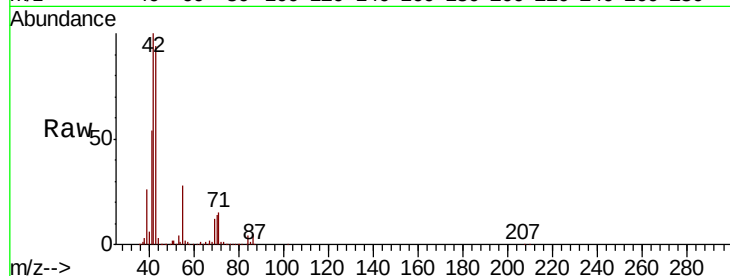
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

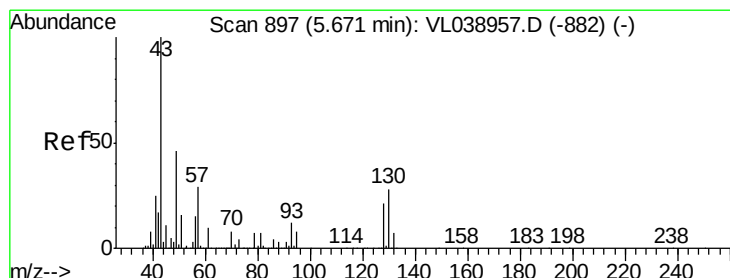
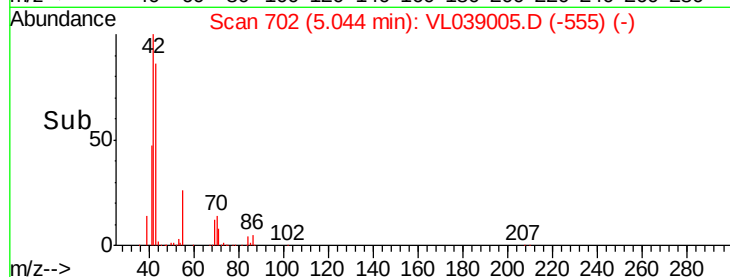
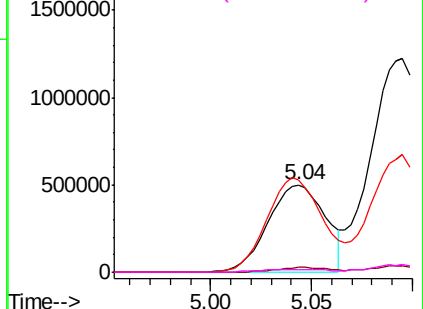
Acq: 10 May 2022 3:01

Tot Ion: 43 Resp: 981502

Ion	Ratio	Lower	Upper
43	100		
86	5.3	6.6	9.8#
42	106.2	8.1	12.1#
44	3.3	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



#25

Ethyl Acetate

Concen: 5.663 ppbv

RT: 5.67 min Scan# 896

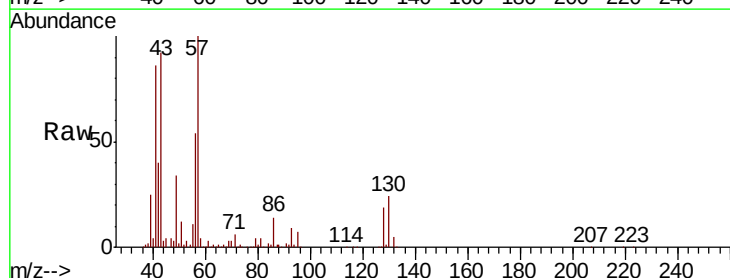
Delta R.T. -0.00 min

Lab File: VL039005.D

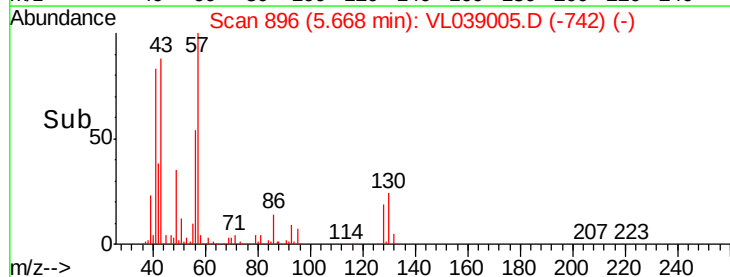
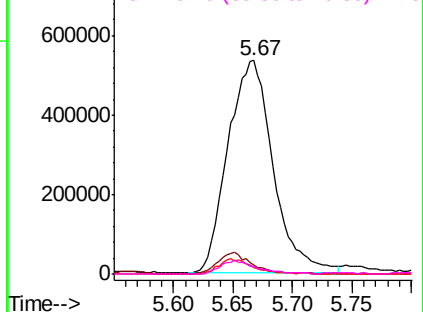
Acq: 10 May 2022 3:01

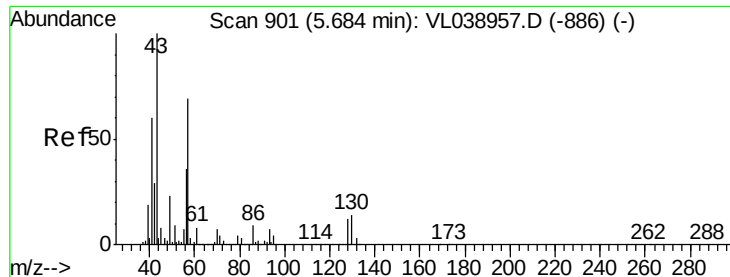
Tgt Ion: 43 Resp: 1402661

Ion	Ratio	Lower	Upper
43	100		
45	7.8	8.1	12.1#
61	5.5	7.8	11.6#
70	5.2	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: 11.092 ppbv

RT: 5.67

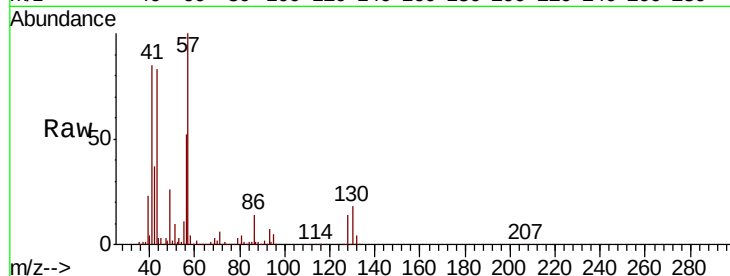
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

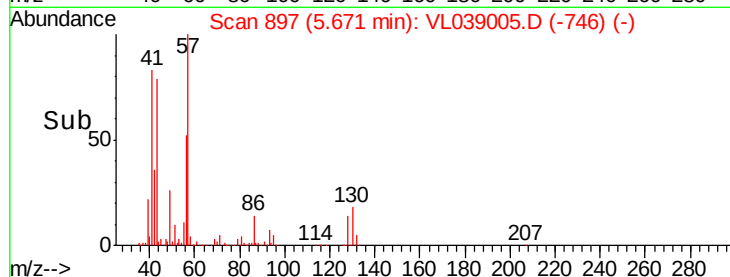
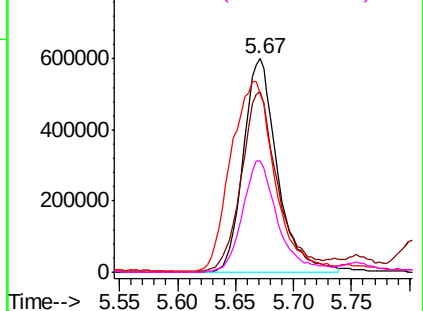
Acq: 10 May 2022 3:01

Tot Ion: 57 Resp: 1220728

Ion	Ratio	Lower	Upper
57	100		
41	91.3	75.2	112.8
43	119.5	190.8	286.2#
56	53.7	43.0	64.6



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: 4.975 ppbv

RT: 4.54 min Scan# 544

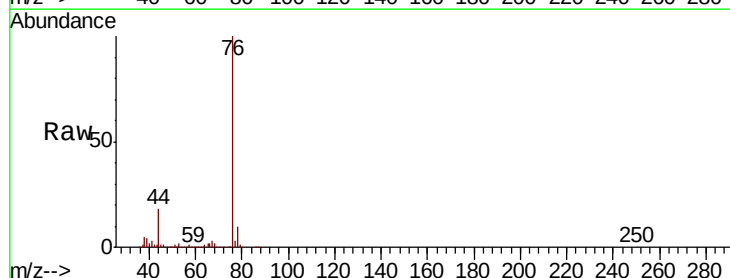
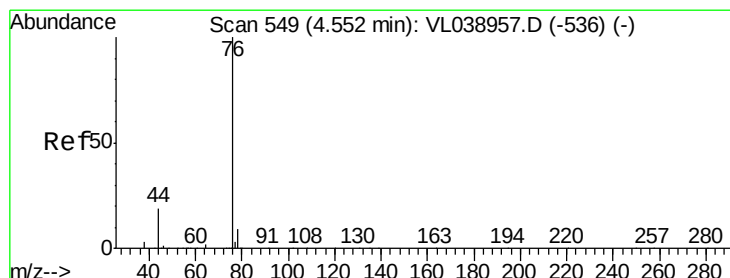
Delta R.T. -0.02 min

Lab File: VL039005.D

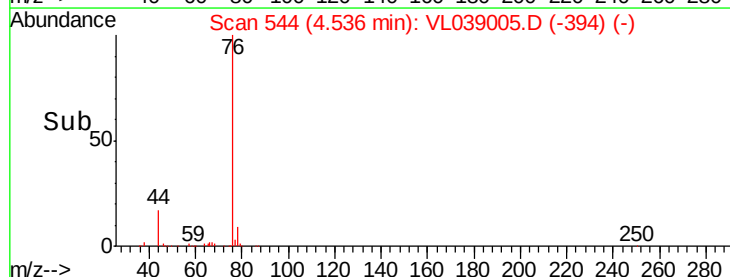
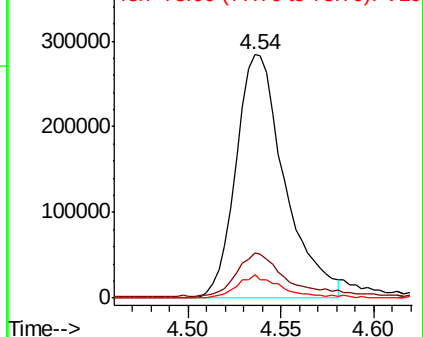
Acq: 10 May 2022 3:01

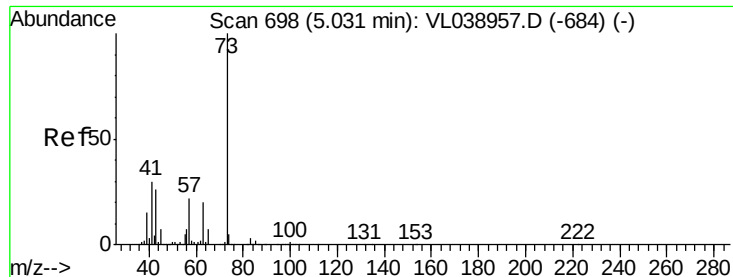
Tgt Ion: 76 Resp: 520106

Ion	Ratio	Lower	Upper
76	100		
44	19.4	15.3	22.9
78	9.1	8.2	12.2



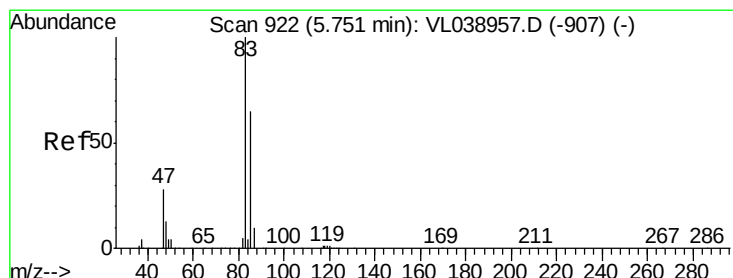
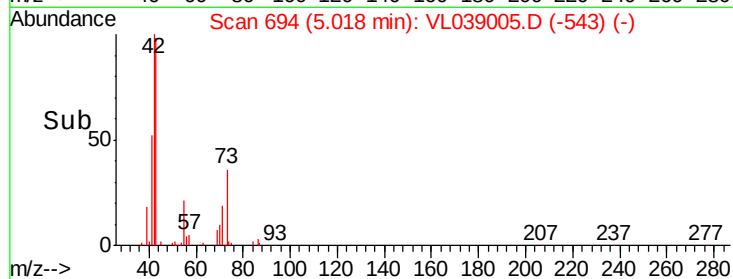
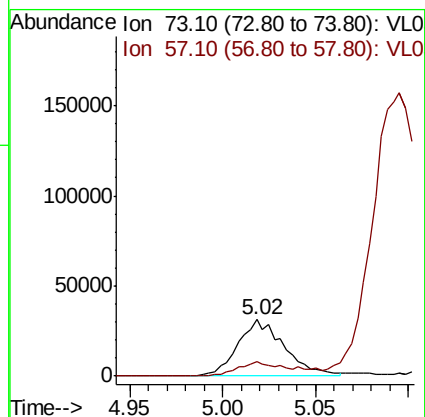
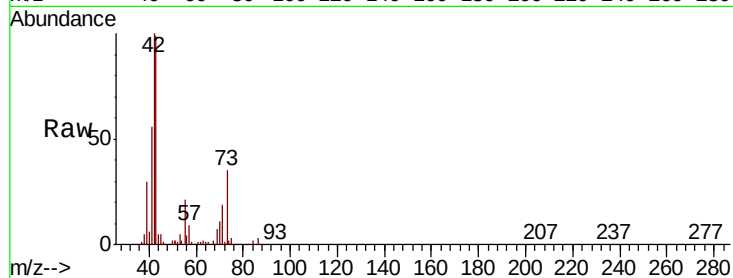
Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





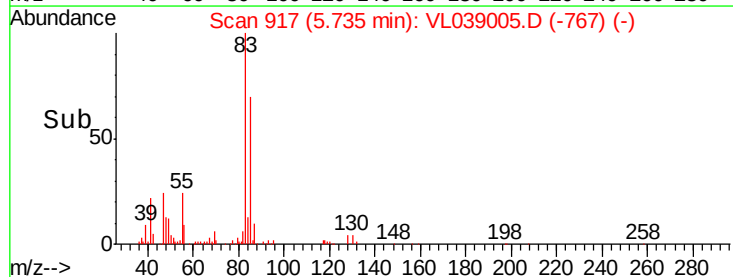
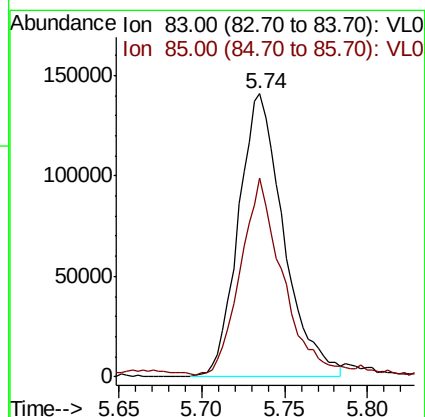
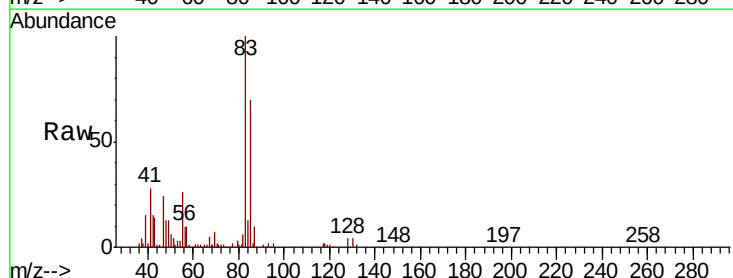
#28
Methyl tert-Butyl Ether
Concen: 0.652 ppbv
RT: 5.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV3
Acq: 10 May 2022 3:01

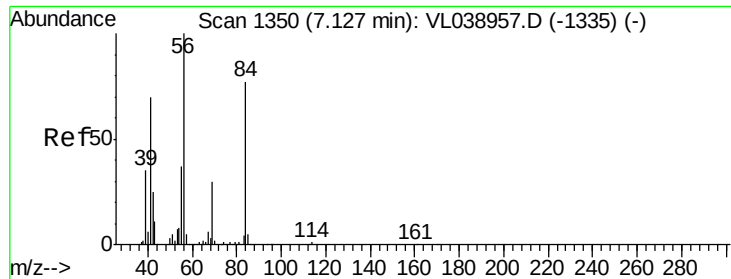
Tot Ion: 73 Resp: 54574
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2#



#29
Chloroform
Concen: 1.488 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL039005.D
Acq: 10 May 2022 3:01

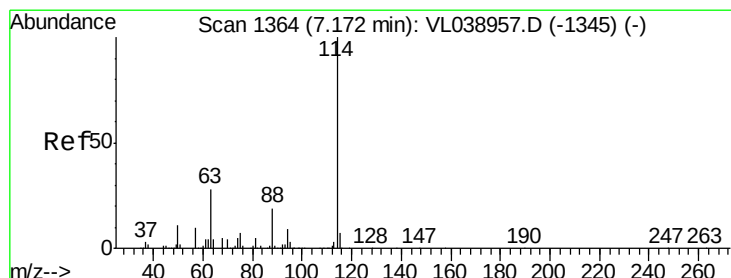
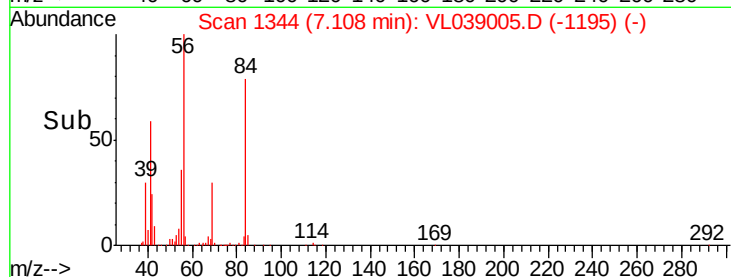
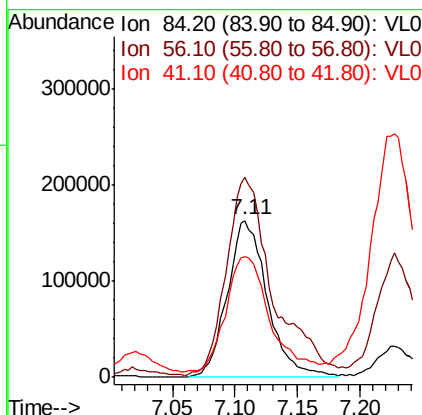
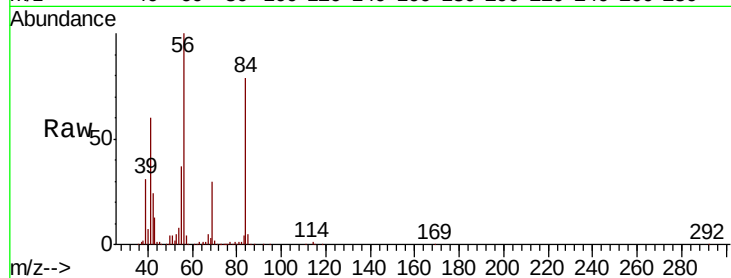
Tgt Ion: 83 Resp: 264989
Ion Ratio Lower Upper
83 100
85 69.0 51.8 77.6





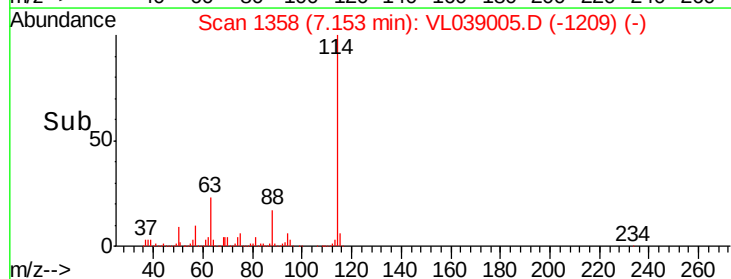
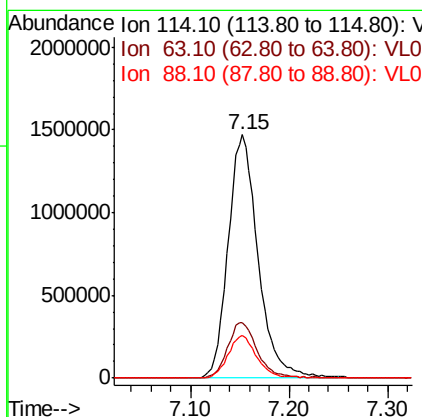
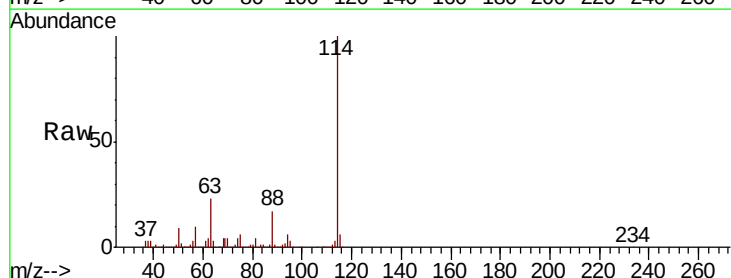
#30
Cyclohexane
Concen: 3.927 ppbv
RT: 7.11 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV3
Acq: 10 May 2022 3:01

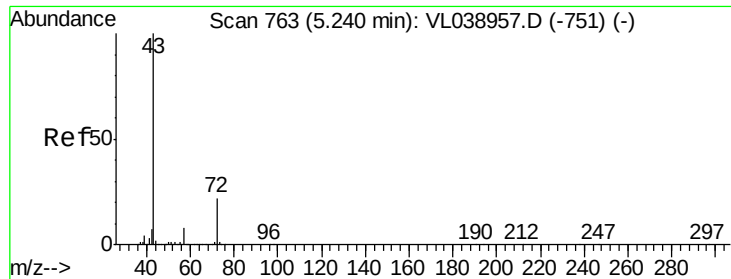
Tot Ion	84	Resp	361857
Ion Ratio	Lower	Upper	
84	100		
56	147.7	115.3	172.9
41	83.9	72.0	108.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T.: -0.02 min
Lab File: VL039005.D
Acq: 10 May 2022 3:01

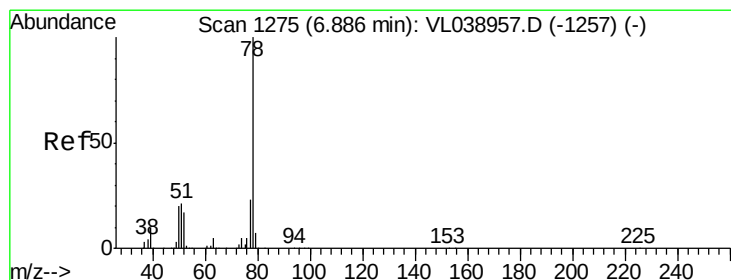
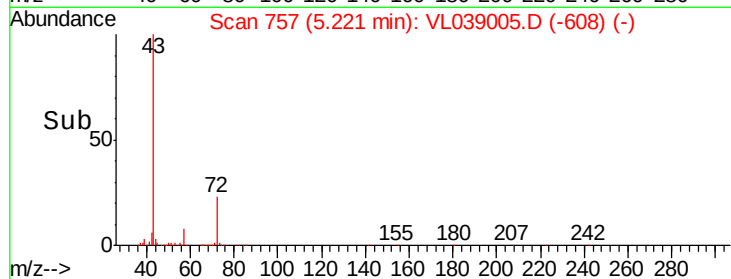
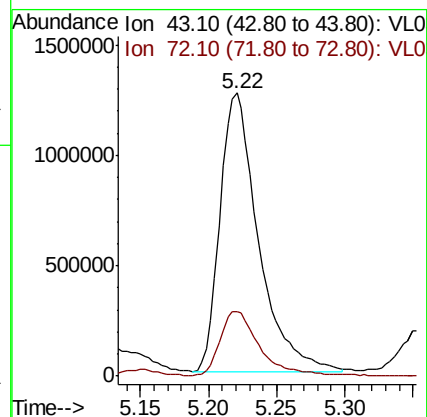
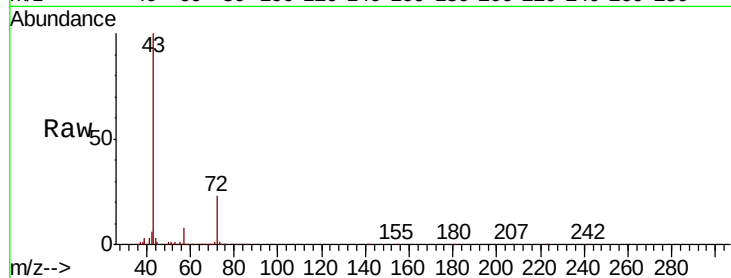
Tgt Ion	114	Resp	3115303
Ion Ratio	Lower	Upper	
114	100		
63	23.0	22.6	33.8
88	17.2	15.4	23.0





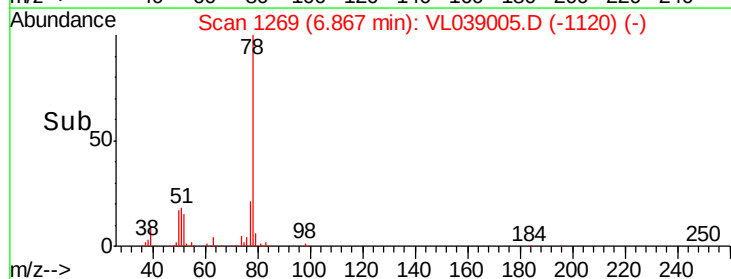
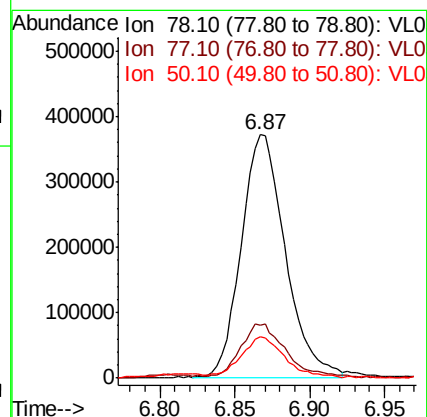
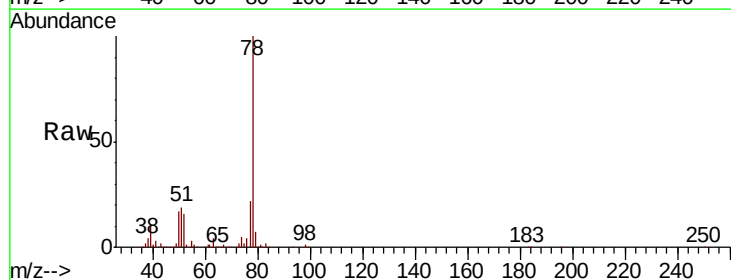
#34
 2-Butanone
 Concen: 15.550 ppbv
 RT: 5.22
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV3
 Acq: 10 May 2022 3:01

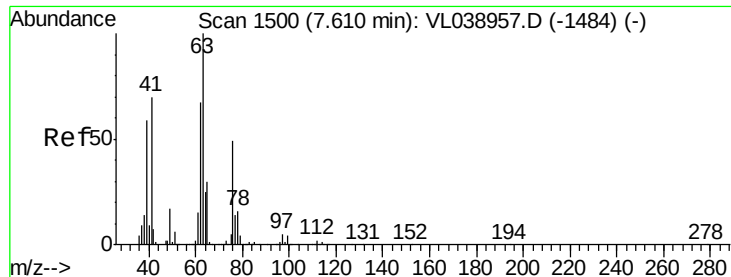
Tot Ion: 43 Resp: 2471354
 Ion Ratio Lower Upper
 43 100
 72 23.8 17.8 26.6



#36
 Benzene
 Concen: 2.860 ppbv
 RT: 6.87 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VL039005.D
 Acq: 10 May 2022 3:01

Tgt Ion: 78 Resp: 762503
 Ion Ratio Lower Upper
 78 100
 77 20.8 18.6 28.0
 50 16.6 15.6 23.4





#39

1,2-Dichloropropane

Concen: 6.594 ppbv

RT: 7.15 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV3

Acq: 10 May 2022 3:01

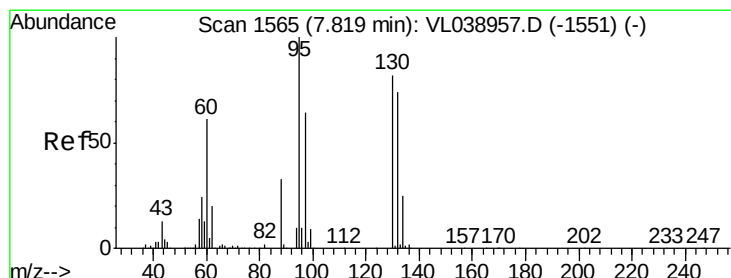
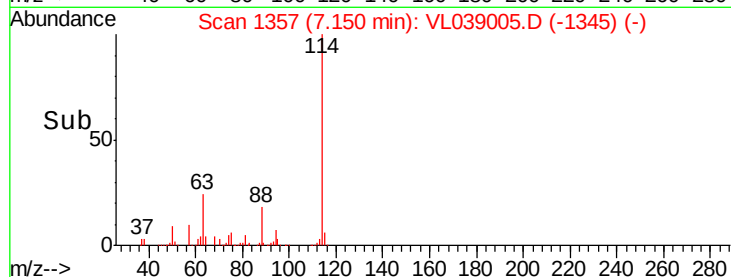
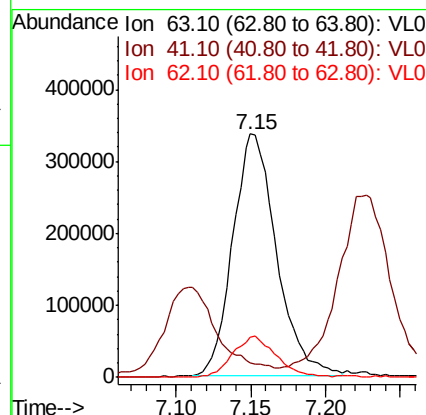
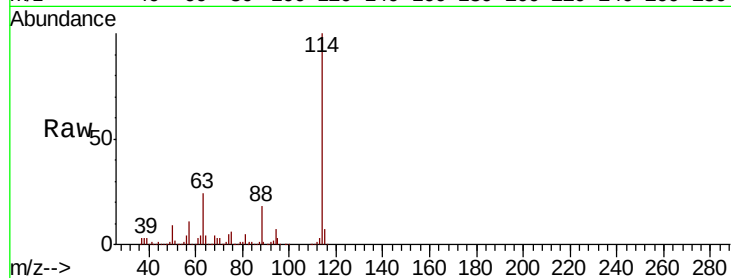
Tot Ion: 63 Resp: 684070

Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

62 16.1 53.8 80.6#



#40

1,4-Dioxane

Concen: 2.636 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.02 min

Lab File: VL039005.D

Acq: 10 May 2022 3:01

Tgt Ion: 88 Resp: 98194

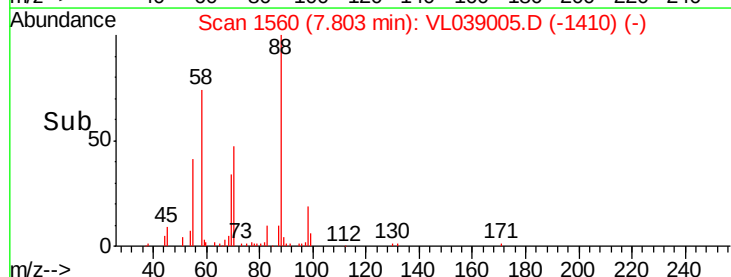
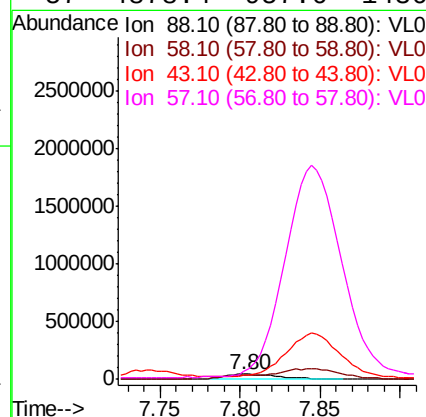
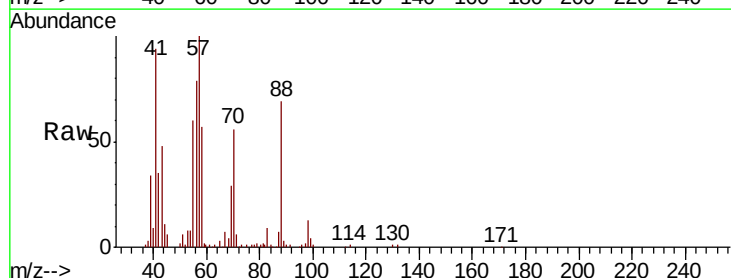
Ion Ratio Lower Upper

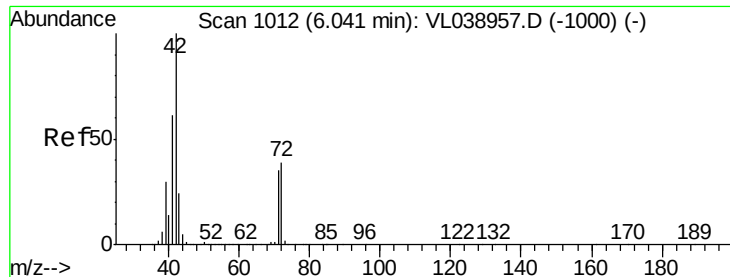
88 100

58 301.6 106.1 159.1#

43 1035.7 222.9 334.3#

57 4878.4 957.6 1436.4#





#41

Tetrahydrofuran

Concen: 14.055 ppbv

RT: 6.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 3:01

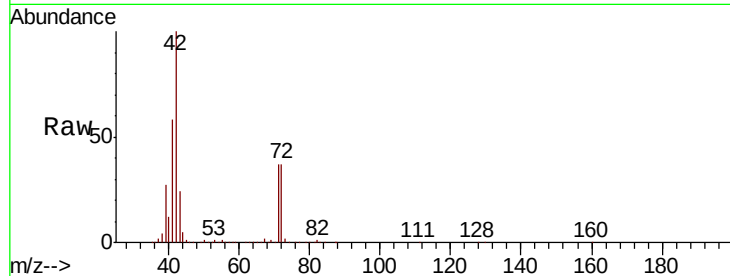
Tot Ion: 42 Resp: 1501389

Ion Ratio Lower Upper

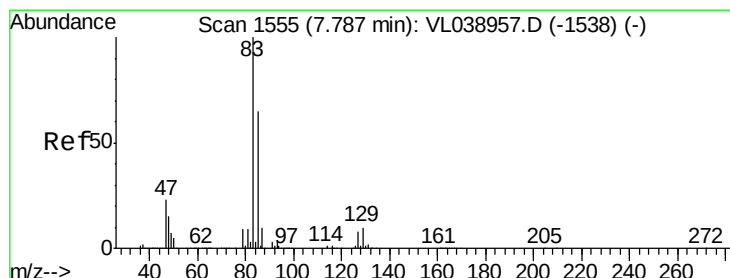
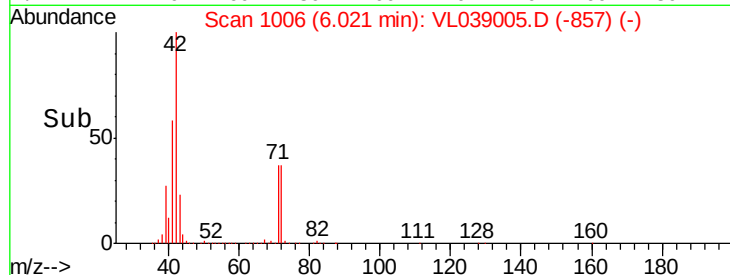
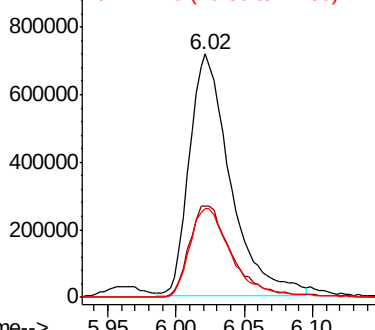
42 100

72 40.1 31.8 47.6

71 37.9 30.6 45.8



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: 0.161 ppbv

RT: 7.76 min Scan# 1548

Delta R.T. -0.02 min

Lab File: VL039005.D

Acq: 10 May 2022 3:01

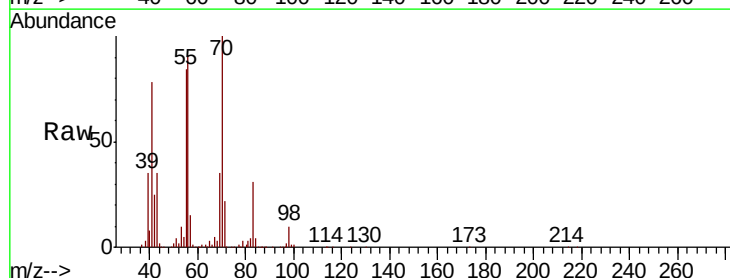
Tgt Ion: 83 Resp: 36356

Ion Ratio Lower Upper

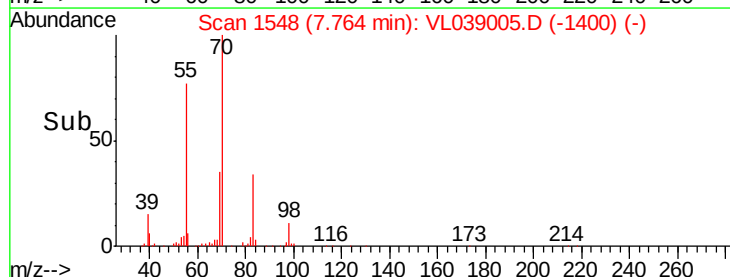
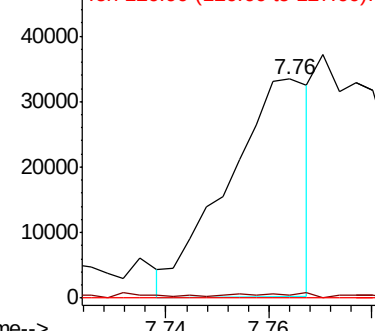
83 100

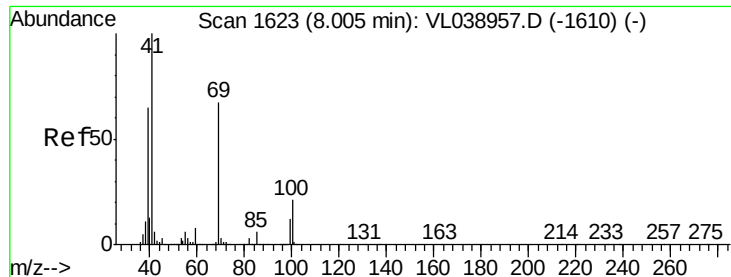
85 0.2 52.0 78.0#

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): V





#43

Methyl Methacrylate

Concen: 0.190 ppbv

RT: 7.99

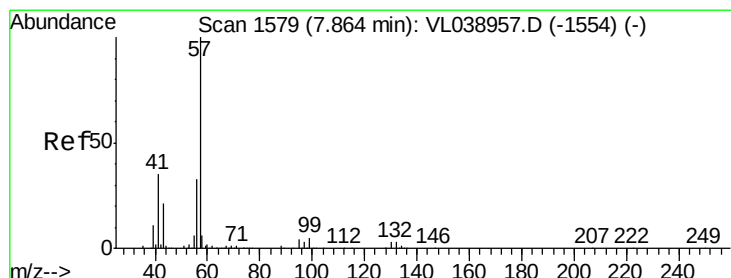
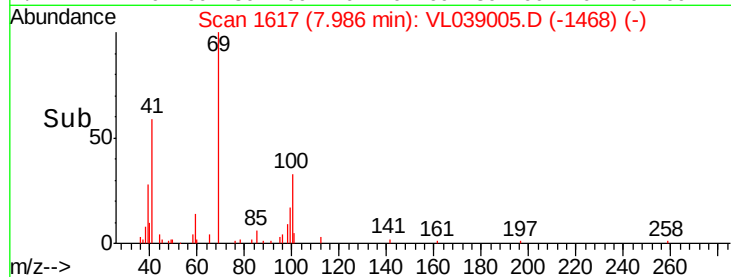
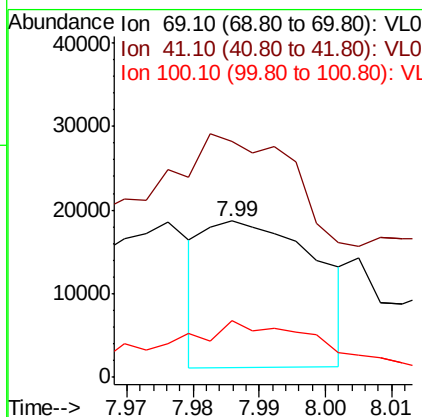
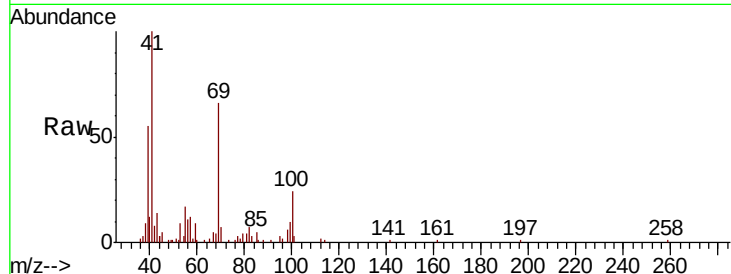
Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV3

Acq: 10 May 2022 3:01

Tot Ion	69	Resp	20560
Ion Ratio	Lower	Upper	
69	100		
41	376.3	121.9	182.9#
100	67.7	24.6	36.8#



#44

2,2,4-Trimethylpentane

Concen: 9.770 ppbv

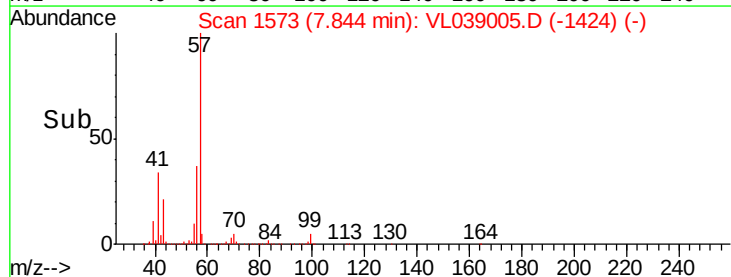
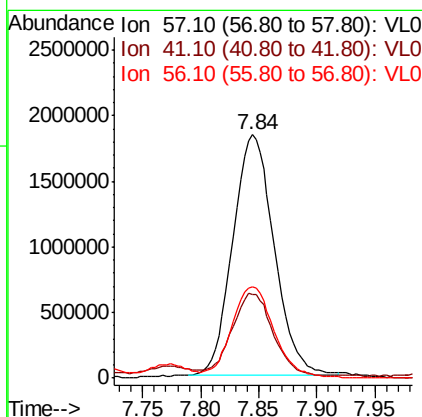
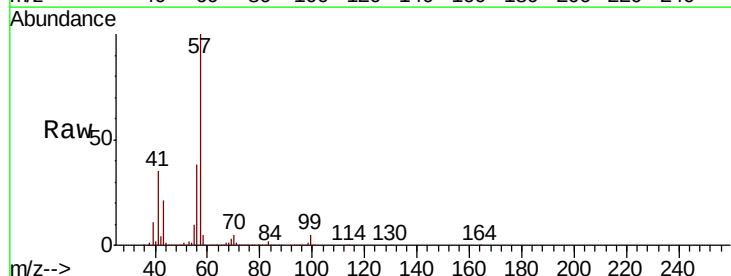
RT: 7.84 min Scan# 1573

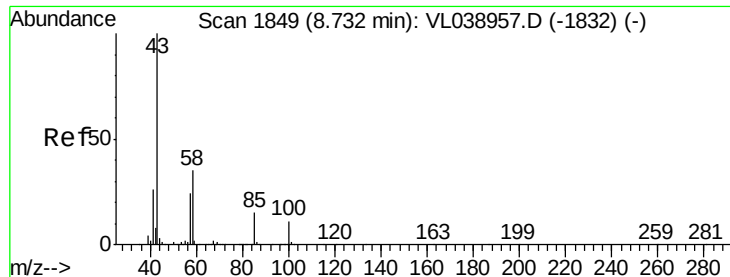
Delta R.T. -0.02 min

Lab File: VL039005.D

Acq: 10 May 2022 3:01

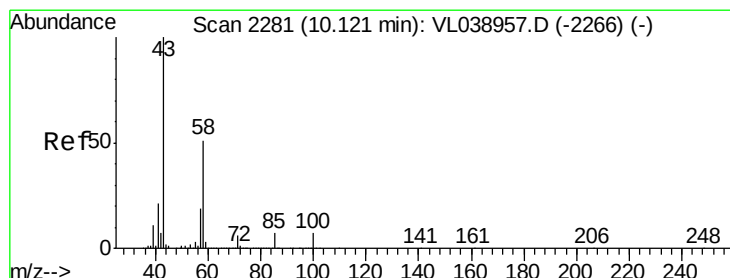
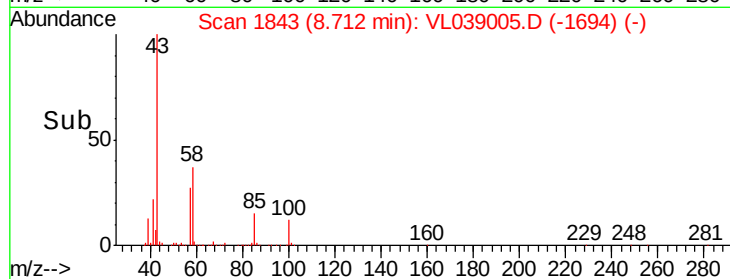
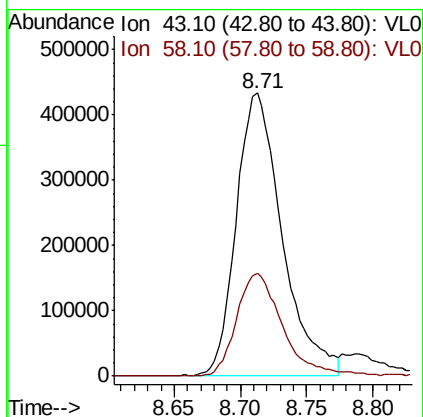
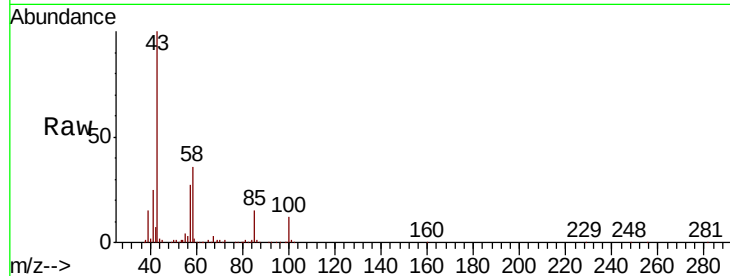
Tgt Ion	57	Resp	4570676
Ion Ratio	Lower	Upper	
57	100		
41	35.2	26.3	39.5
56	39.5	24.6	37.0#





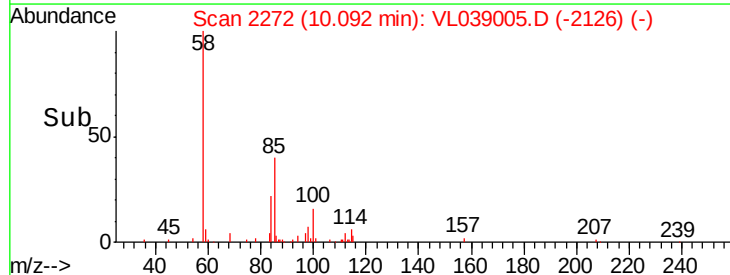
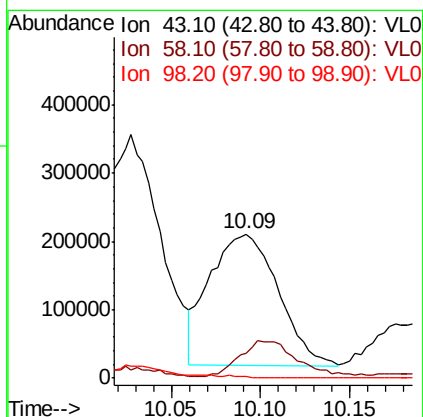
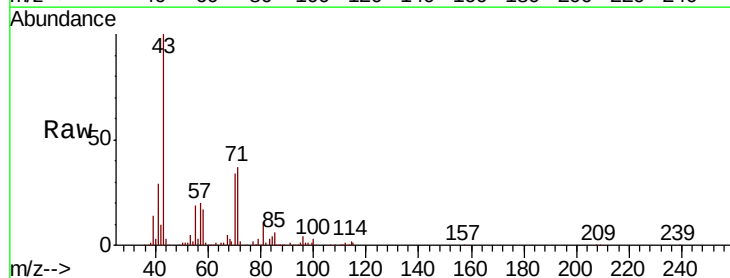
#50
4-Methyl-2-Pentanone
Concen: 3.726 ppbv
RT: 8.71
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV3
Acq: 10 May 2022 3:01

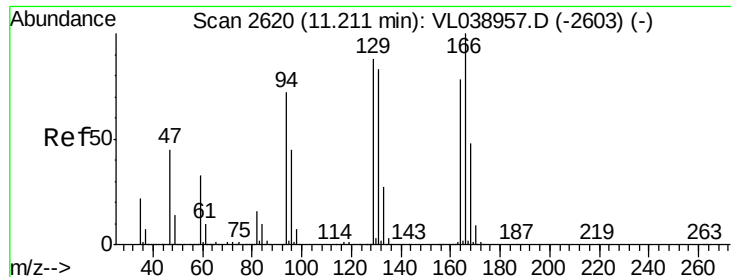
Tot Ion: 43 Resp: 1038300
Ion Ratio Lower Upper
43 100
58 37.6 28.4 42.6



#51
2-Hexanone
Concen: 2.548 ppbv
RT: 10.09 min Scan# 2272
Delta R.T. -0.03 min
Lab File: VL039005.D
Acq: 10 May 2022 3:01

Tgt Ion: 43 Resp: 518180
Ion Ratio Lower Upper
43 100
58 25.0 39.3 58.9#
98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 67.997 ppbv

RT: 11.20

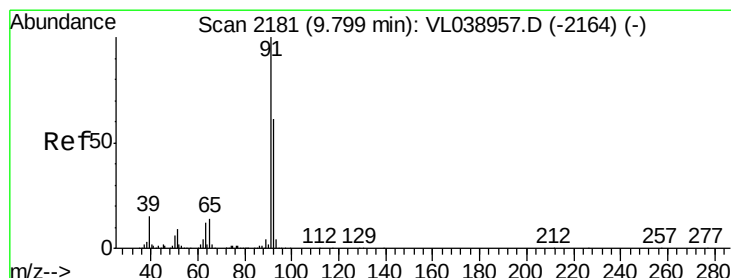
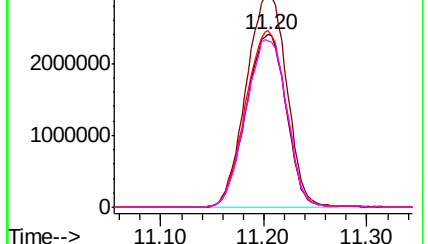
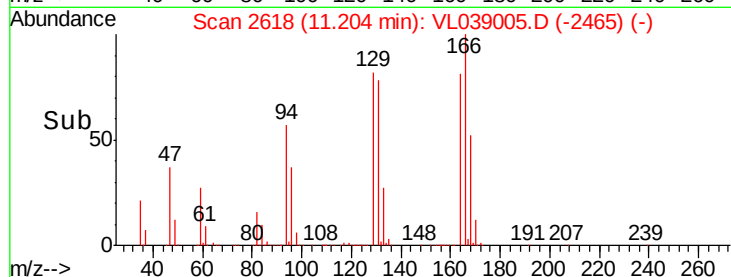
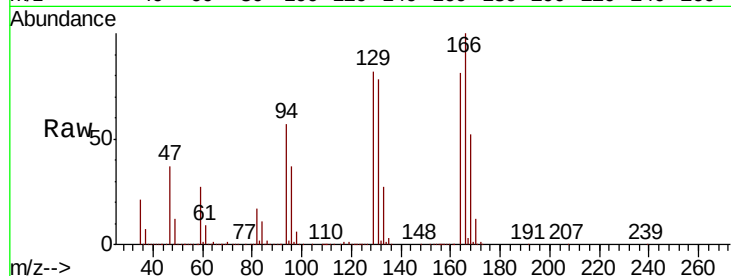
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 3:01

Tot Ion:164 Resp: 6478139

Ion	Ratio	Lower	Upper
164	100		
166	123.7	102.5	153.7
129	101.9	90.1	135.1
131	96.7	84.8	127.2



#53

Toluene

Concen: 12.679 ppbv

RT: 9.78 min Scan# 2174

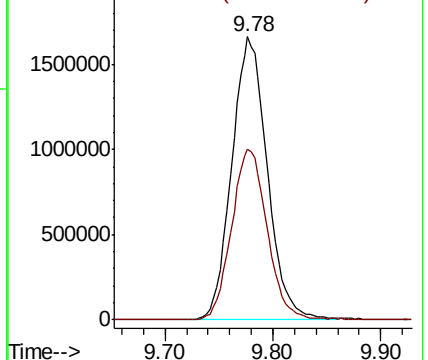
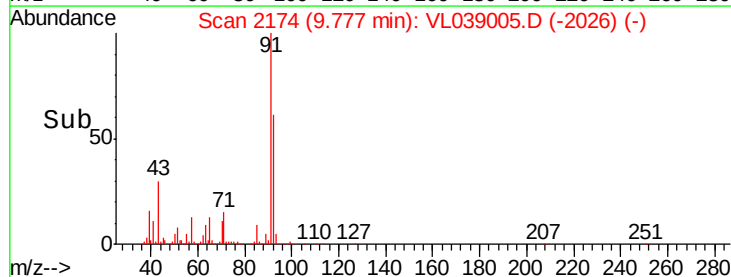
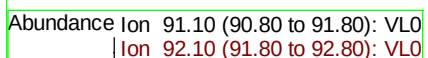
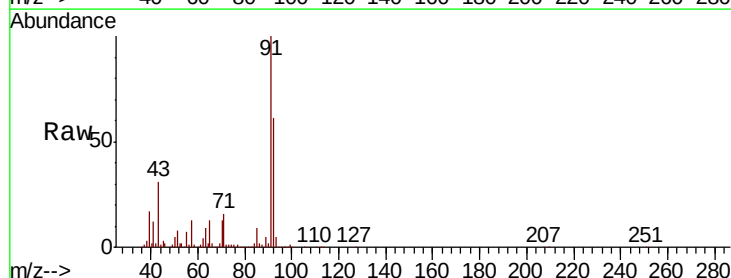
Delta R.T. -0.02 min

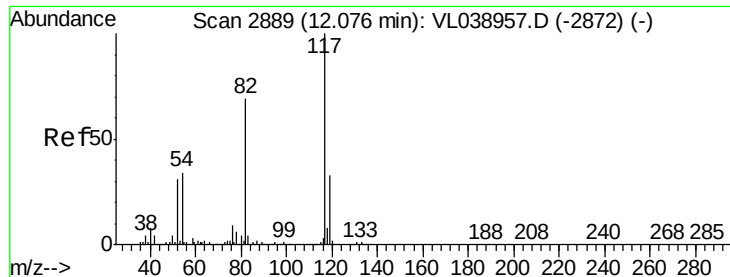
Lab File: VL039005.D

Acq: 10 May 2022 3:01

Tgt Ion: 91 Resp: 3788597

Ion	Ratio	Lower	Upper
91	100		
92	61.2	48.2	72.2

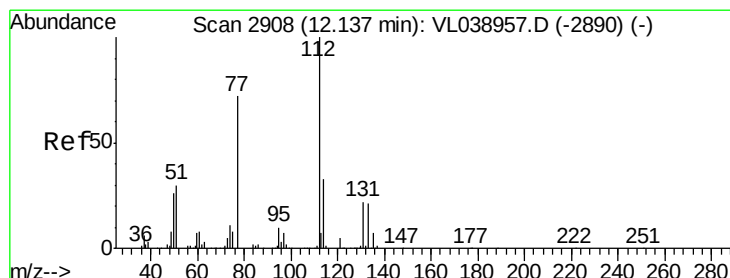
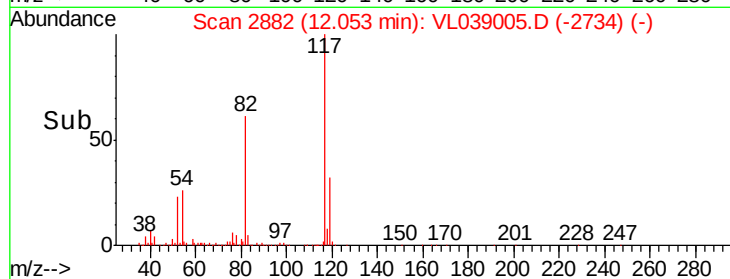
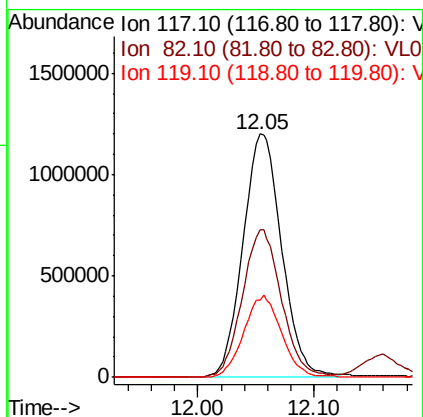
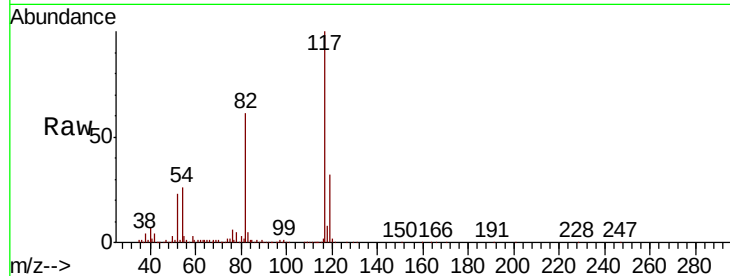




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV3
Acq: 10 May 2022 3:01

Tot Ion:117 Resp: 2794699

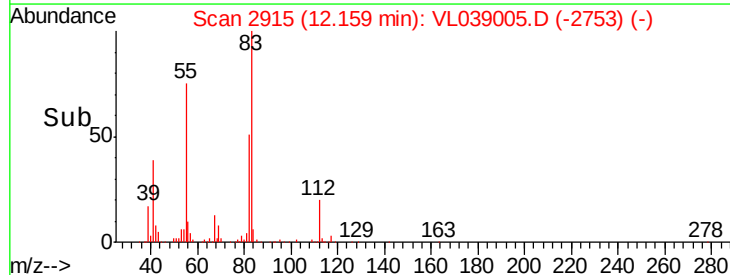
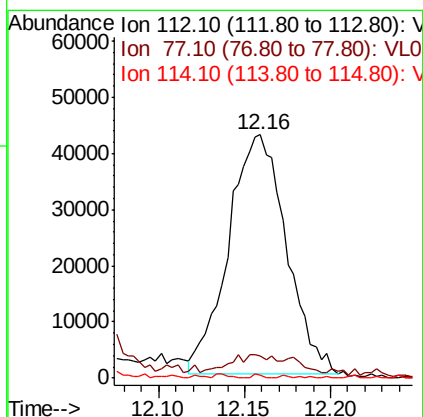
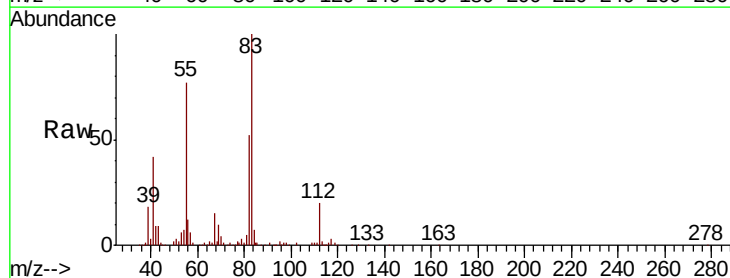
Ion	Ratio	Lower	Upper
117	100		
82	61.0	57.0	85.6
119	33.1	27.2	40.8

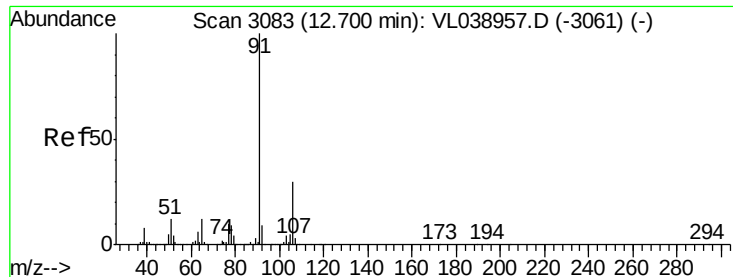


#57
Chlorobenzene
Concen: 0.475 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.02 min
Lab File: VL039005.D
Acq: 10 May 2022 3:01

Tgt Ion:112 Resp: 99539

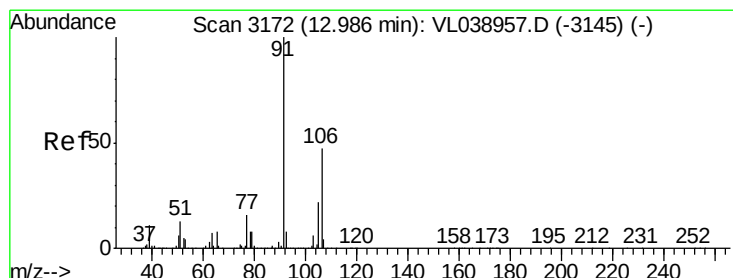
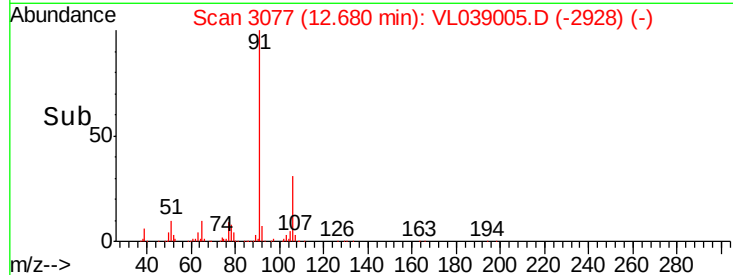
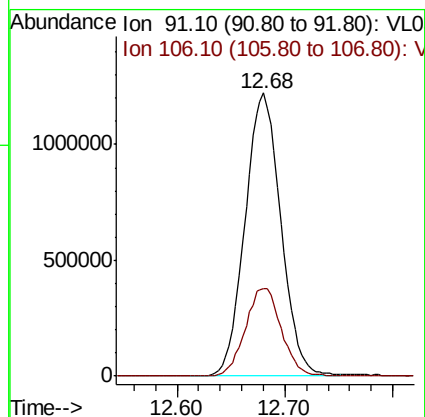
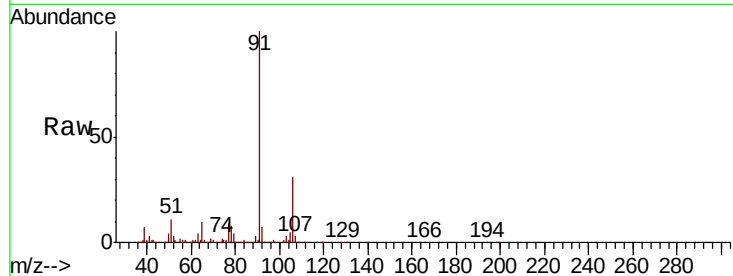
Ion	Ratio	Lower	Upper
112	100		
77	6.5	57.7	86.5#
114	1.2	30.1	36.7#





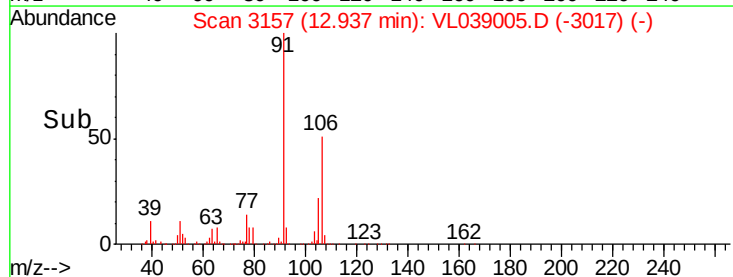
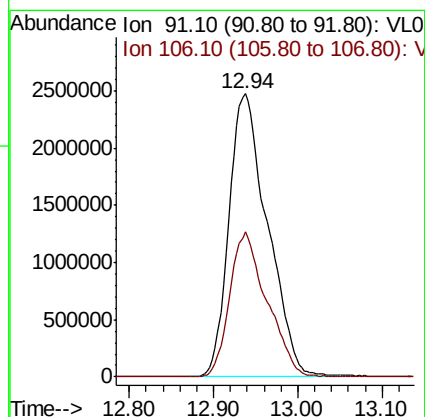
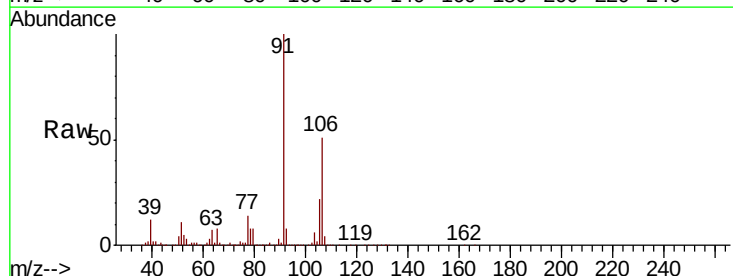
#58
Ethyl Benzene
Concen: 6.988 ppbv
RT: 12.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 May 2022 3:01

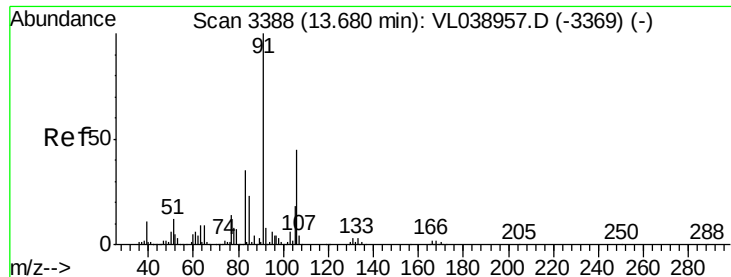
Tot Ion: 91 Resp: 2810559
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.4



#59
m/p-Xylene
Concen: 22.895 ppbv
RT: 12.94 min Scan# 3157
Delta R.T. -0.05 min
Lab File: VL039005.D
Acq: 10 May 2022 3:01

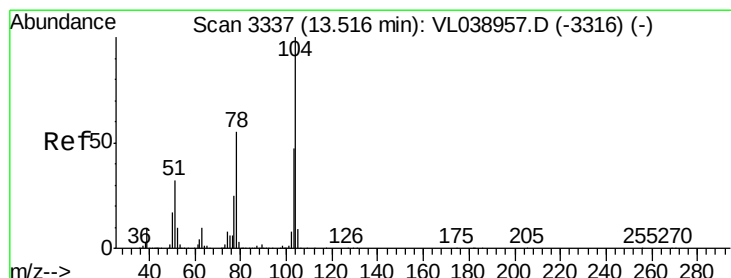
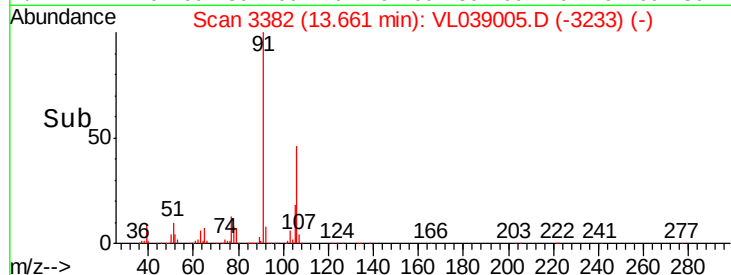
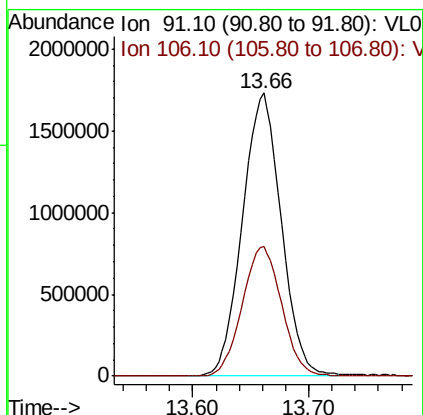
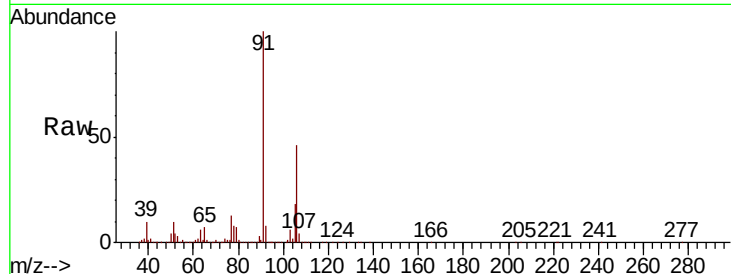
Tgt Ion: 91 Resp: 7860825
Ion Ratio Lower Upper
91 100
106 49.7 34.6 52.0





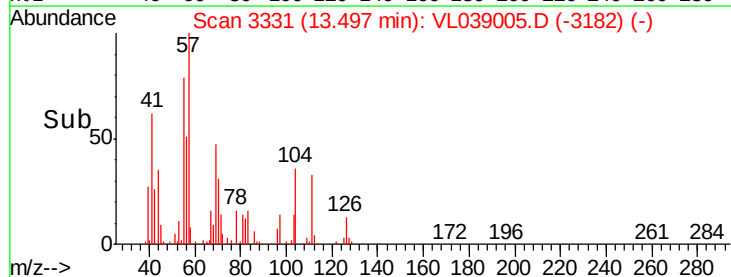
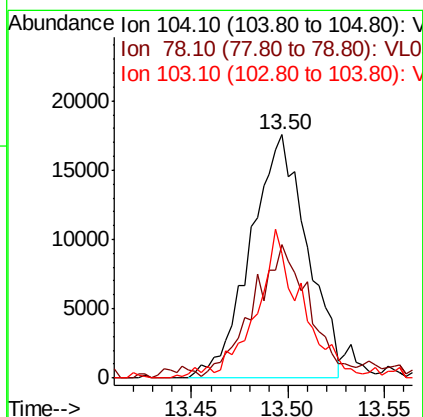
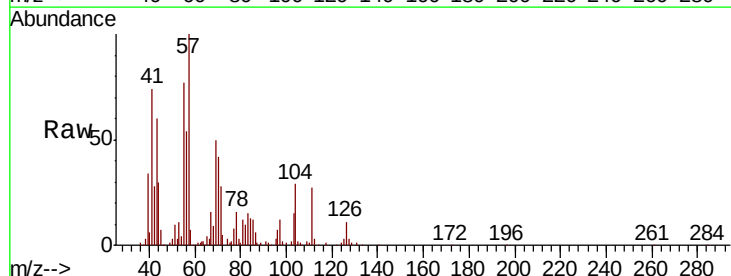
#60
o-Xylene
Concen: 12.453 ppbv
RT: 13.66
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV3
Acq: 10 May 2022 3:01

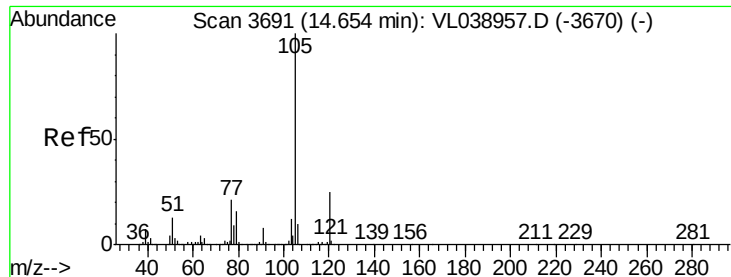
Tot Ion: 91 Resp: 4024211
Ion Ratio Lower Upper
91 100
106 46.8 22.2 66.6



#61
Styrene
Concen: 0.207 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.02 min
Lab File: VL039005.D
Acq: 10 May 2022 3:01

Tgt Ion: 104 Resp: 35659
Ion Ratio Lower Upper
104 100
78 62.4 46.4 69.6
103 52.6 39.3 58.9





#62

Isopropylbenzene

Concen: 0.905 ppbv

RT: 14.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

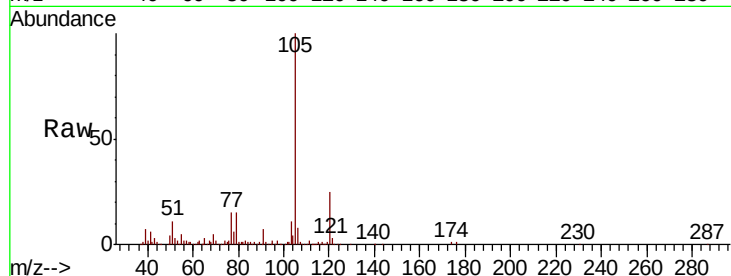
Acq: 10 May 2022 3:01

Tot Ion:105 Resp: 427831

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.63

200000

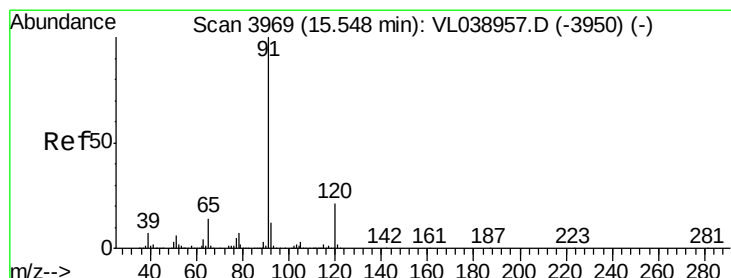
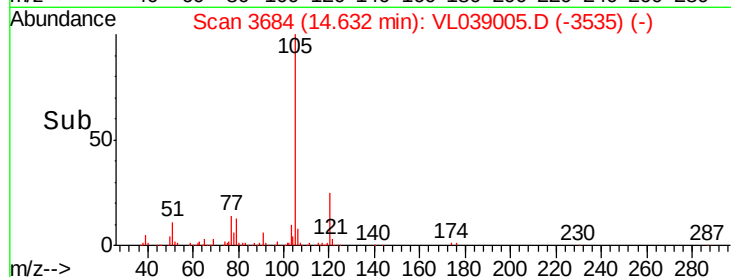
150000

100000

50000

0

Time-->



#64

n-propylbenzene

Concen: 1.672 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.02 min

Lab File: VL039005.D

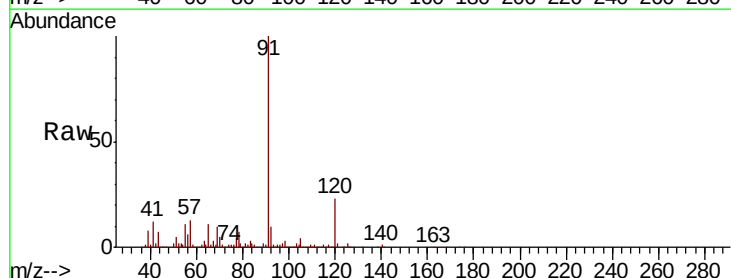
Acq: 10 May 2022 3:01

Tgt Ion:120 Resp: 191014

Ion Ratio Lower Upper

120 100

91 481.4 400.6 601.0



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

400000

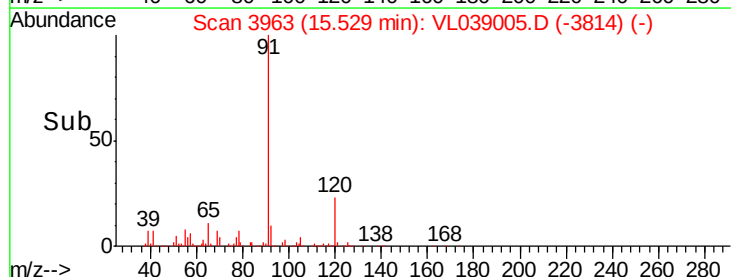
300000

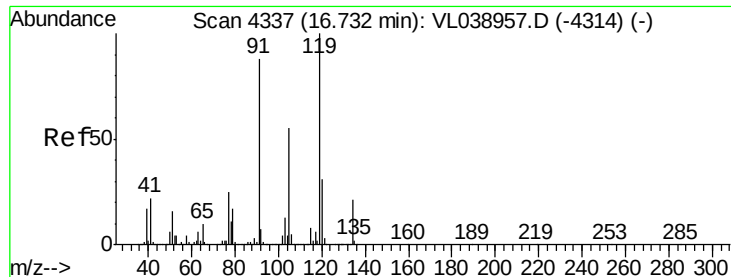
200000

100000

0

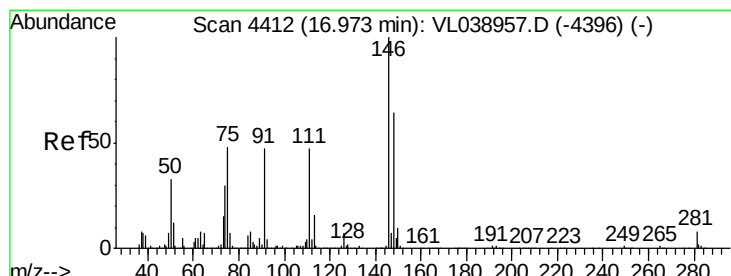
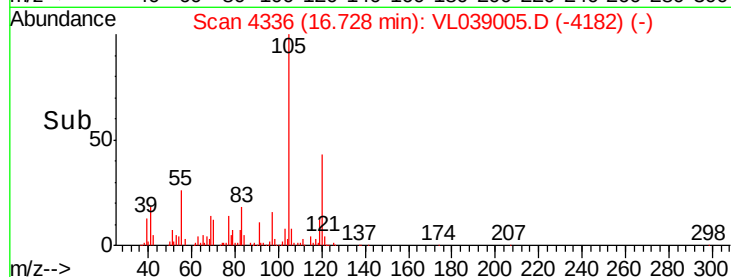
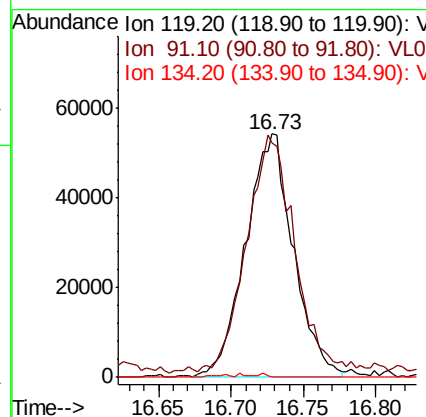
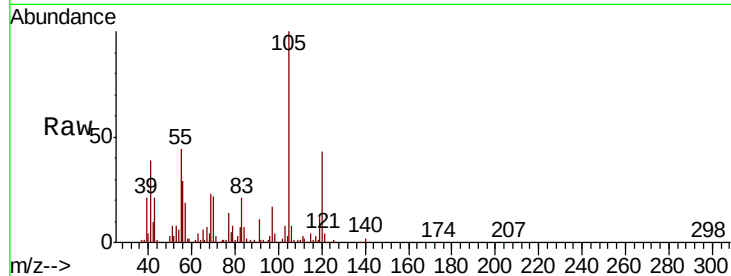
Time-->





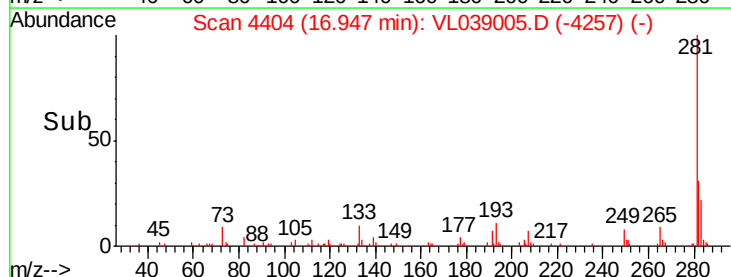
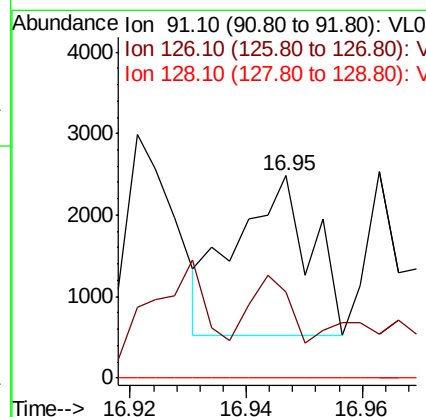
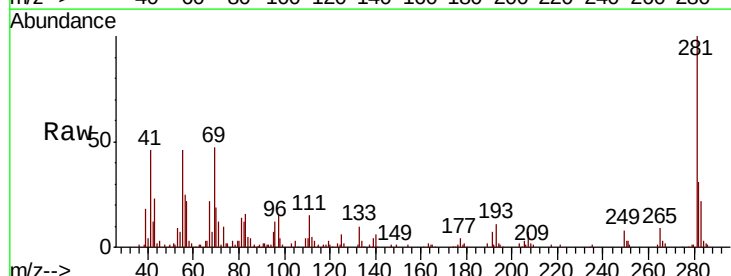
#65
 tert-Butylbenzene
 Concen: 0.300 ppbv
 RT: 16.73 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : SV3
 Acq: 10 May 2022 3:01

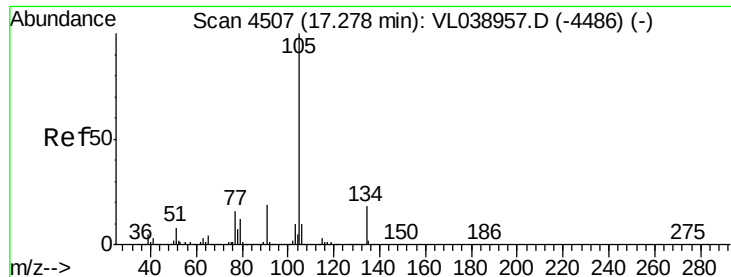
Tot Ion: 119 Resp: 124360
 Ion Ratio Lower Upper
 119 100
 91 101.9 69.4 104.2
 134 0.9 15.8 23.8#



#66
 Benzyl Chloride
 Concen: 0.032 ppbv
 RT: 16.95 min Scan# 4404
 Delta R.T.: -0.03 min
 Lab File: VL039005.D
 Acq: 10 May 2022 3:01

Tgt Ion: 91 Resp: 1748
 Ion Ratio Lower Upper
 91 100
 126 157.3 11.8 17.6#
 128 5.1 4.2 6.2





#67

sec-Butylbenzene

Concen: 0.291 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

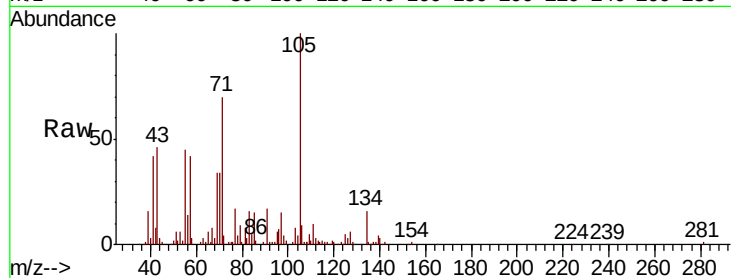
Acq: 10 May 2022 3:01

Tot Ion: 105 Resp: 172011

Ion Ratio Lower Upper

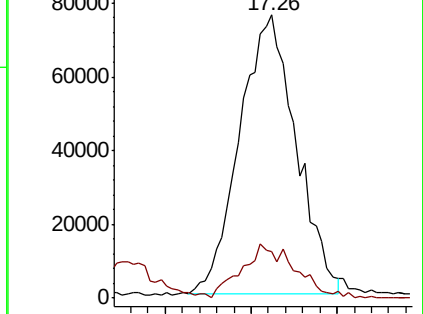
105 100

134 18.6 14.2 21.4

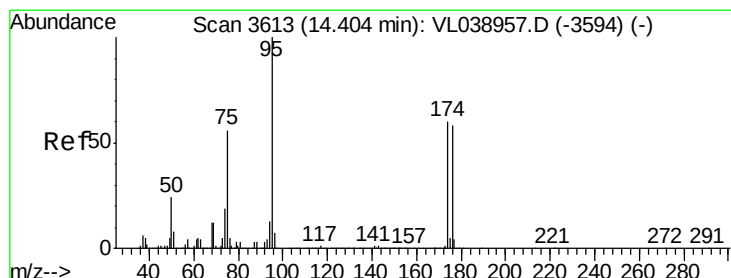
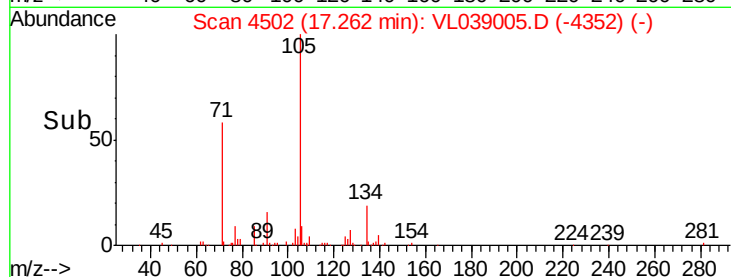


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.661 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.02 min

Lab File: VL039005.D

Acq: 10 May 2022 3:01

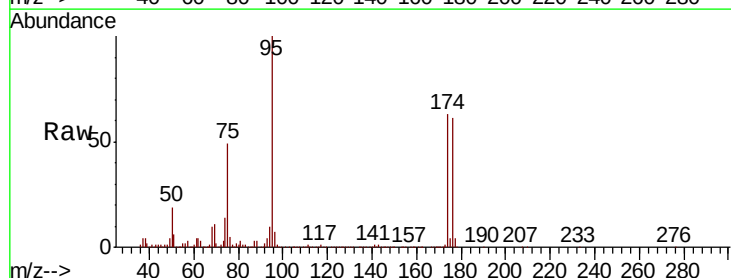
Tgt Ion: 95 Resp: 2138146

Ion Ratio Lower Upper

95 100

174 64.9 50.8 76.2

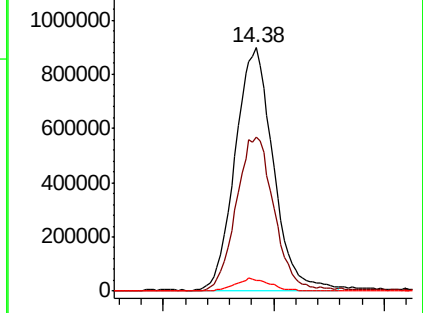
175 4.8 3.8 5.6



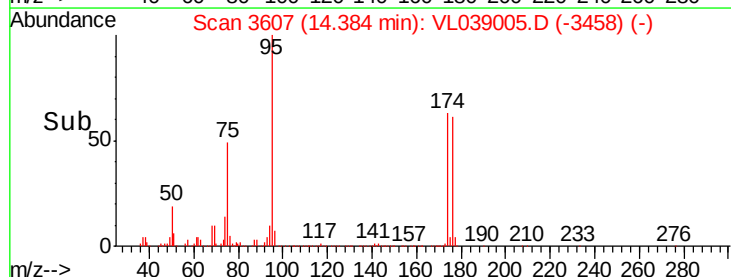
Abundance Ion 95.10 (94.80 to 95.80): VL0

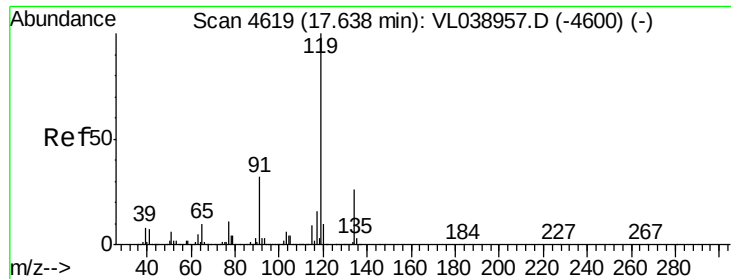
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->





#69

p-Isopropyltoluene

Concen: 0.185 ppbv

RT: 17.62

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 3:01

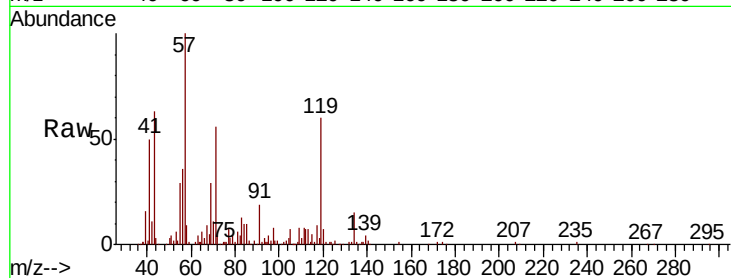
Tot Ion: 119 Resp: 88254

Ion Ratio Lower Upper

119 100

134 29.5 20.0 30.0

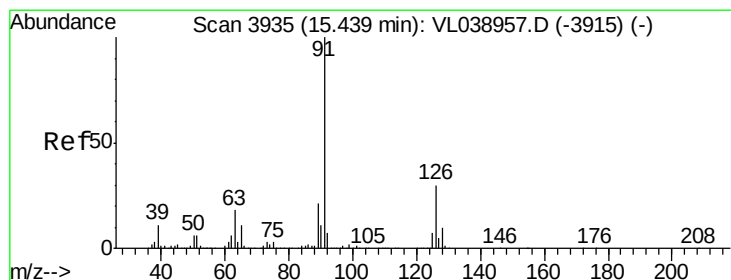
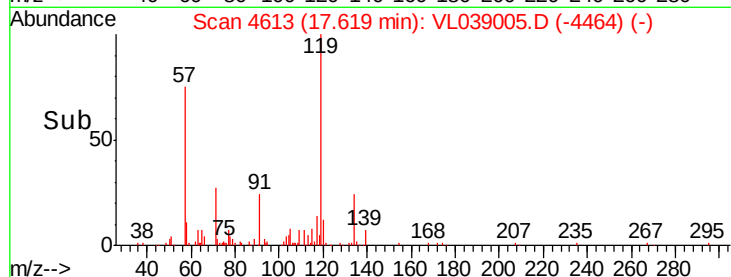
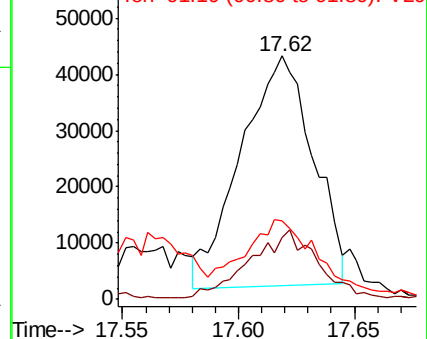
91 32.3 24.8 37.2



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



#71

2-Chlorotoluene

Concen: 2.483 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. 0.08 min

Lab File: VL039005.D

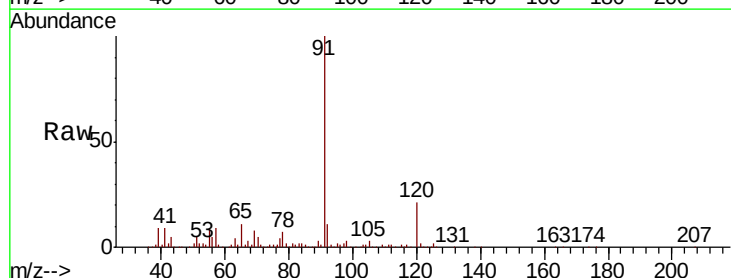
Acq: 10 May 2022 3:01

Tgt Ion: 91 Resp: 904612

Ion Ratio Lower Upper

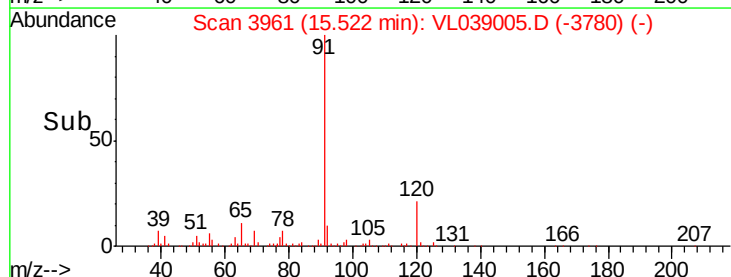
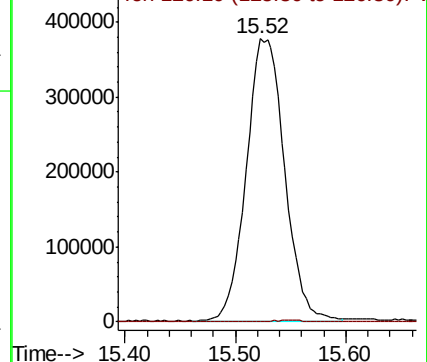
91 100

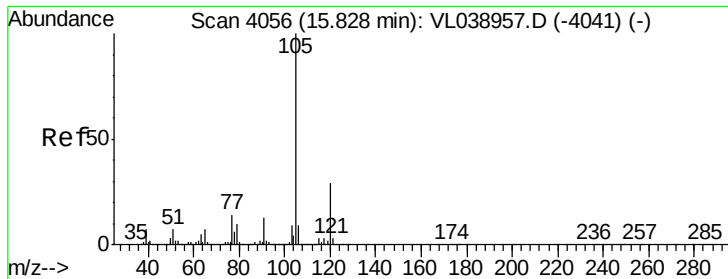
126 0.6 11.9 47.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 1.833 ppbv

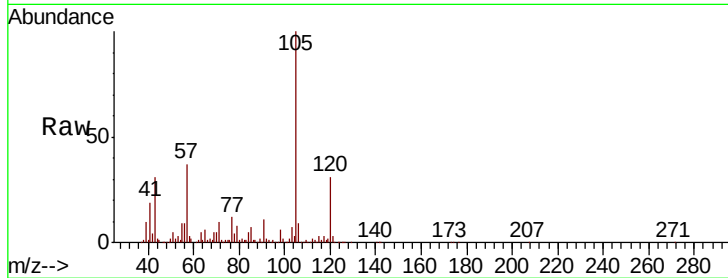
RT: 15.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 3:01

Tot Ion:	105	Resp:	675037
Ion Ratio	Lower	Upper	
105	100		
120	31.5	23.4	35.0
91	12.8	10.6	16.0
77	12.3	12.5	18.7#

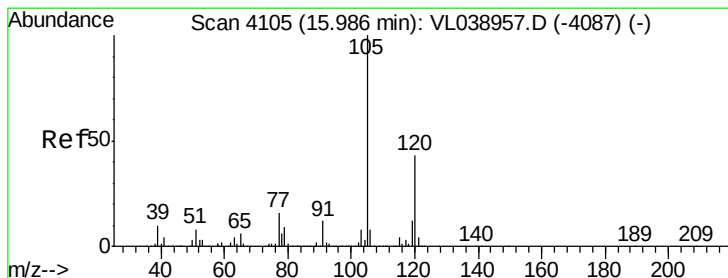
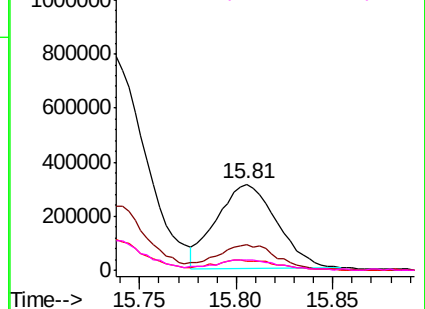
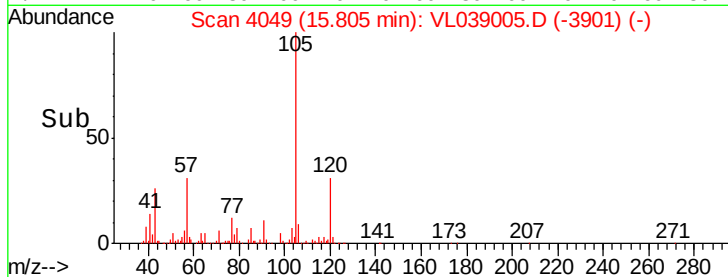


Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.798 ppbv

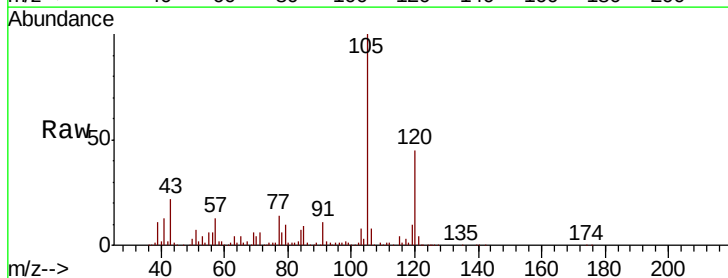
RT: 15.96 min Scan# 4098

Delta R.T. -0.02 min

Lab File: VL039005.D

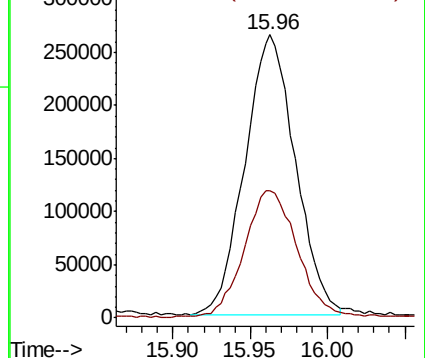
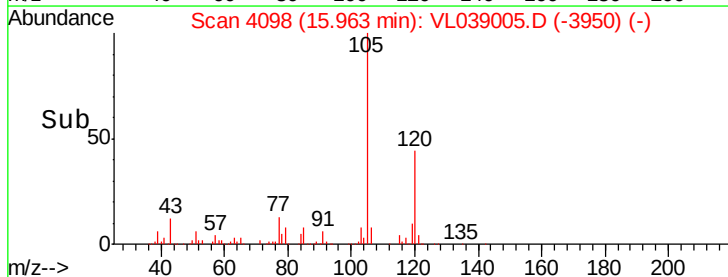
Acq: 10 May 2022 3:01

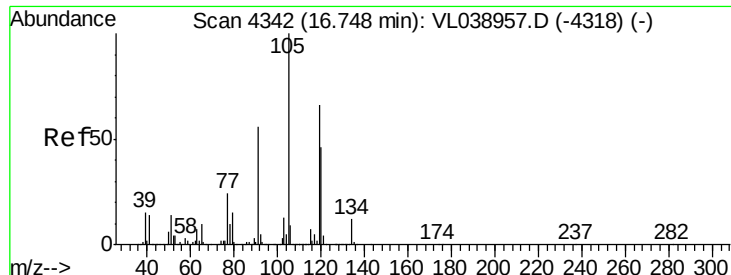
Tgt Ion:	105	Resp:	596015
Ion Ratio	Lower	Upper	
105	100		
120	44.7	34.4	51.6



Abundance Ion 105.10 (104.80 to 105.80): V

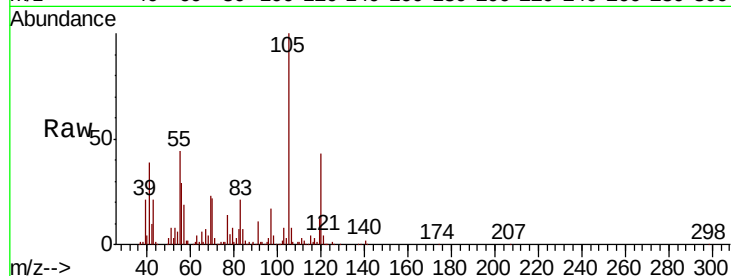
Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 2.990 ppbv
 RT: 16.73
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 SV3
 Acq: 10 May 2022 3.01

Tot Ion:	105	Resp:	1085399
Ion	Ratio	Lower	Upper
105	100		
120	42.8	36.9	55.3
91	10.9	45.0	67.4#
77	13.9	19.2	28.8#



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

