

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039003.D
 Acq On : 10 May 2022 1:41
 Operator : SY/AP
 Sample : N2696-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: May 10 05:47:42 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	1120767	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.15	114	3094482	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	2806203	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2092944	9.42	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	82229	0.468 ppbv	92
3) Chlorodifluoromethane	2.98	51	93215	0.670 ppbv #	74
4) Chloromethane	3.13	50	15521	0.223 ppbv	92
9) Propene	3.00	41	2330156	38.367 ppbv	95
10) Heptane	8.10	43	272046	1.826 ppbv	96
11) Trichlorofluoromethane	3.94	101	23997	0.159 ppbv	85
13) Ethanol	3.59	45	2421392	563.374 ppbv	87
15) Acetone	3.84	43	4496164	42.528 ppbv	95
16) 1,3-Butadiene	3.30	39	1327968	21.863 ppbv #	33
17) tert-Butyl alcohol	4.28	59	686956	8.454 ppbv	98
19) Isopropyl Alcohol	3.95	45	474267	9.435 ppbv #	1
20) Methylene Chloride	4.34	84	206770	5.189 ppbv	96
21) Allyl Chloride	4.39	41	23709	0.329 ppbv #	1
23) Vinyl Acetate	5.05	43	295948	3.538 ppbv #	53
24) 1,1-Dichloroethane	5.00	63	3929	0.041 ppbv #	89
25) Ethyl Acetate	5.66	43	900321	3.558 ppbv	98
26) Hexane	5.67	57	558683	4.969 ppbv #	73
27) Carbon Disulfide	4.54	76	190507	1.784 ppbv #	93
28) Methyl tert-Butyl Ether	5.03	73	28476	0.333 ppbv #	52
29) Chloroform	5.74	83	27427	0.151 ppbv	95
30) Cyclohexane	7.11	84	102993	1.094 ppbv	88
31) cis-1,2-Dichloroethene	5.65	61	68077	0.594 ppbv #	30
32) 1,1,1-Trichloroethane	6.49	97	9830645	54.050 ppbv	97
34) 2-Butanone	5.22	43	2505985	15.874 ppbv	98
36) Benzene	6.87	78	483951	1.827 ppbv	97
37) 1,2-Dichloroethane	6.49	62	726456	4.434 ppbv #	1
39) 1,2-Dichloropropane	7.15	63	711978	6.910 ppbv #	25
40) 1,4-Dioxane	7.81	88	67533	1.825 ppbv #	49
41) Tetrahydrofuran	6.02	42	1220256	11.500 ppbv	99
43) Methyl Methacrylate	7.99	69	84816	0.789 ppbv	84
44) 2,2,4-Trimethylpentane	7.84	57	587045	1.263 ppbv #	87
50) 4-Methyl-2-Pentanone	8.71	43	864381	3.122 ppbv	96
51) 2-Hexanone	10.10	43	250102	1.238 ppbv #	92
52) Tetrachloroethene	11.19	164	1864922	19.707 ppbv	97
53) Toluene	9.77	91	2219231	7.477 ppbv	99
58) Ethyl Benzene	12.68	91	2234373	5.533 ppbv	98
59) m/p-Xylene	12.93	91	7653672	22.200 ppbv	90
60) o-Xylene	13.66	91	4070818	12.545 ppbv	96
61) Styrene	13.49	104	64105	0.370 ppbv	94
62) Isopropylbenzene	14.63	105	232507	0.490 ppbv #	49
64) n-propylbenzene	15.53	120	316953	2.763 ppbv	86

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QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

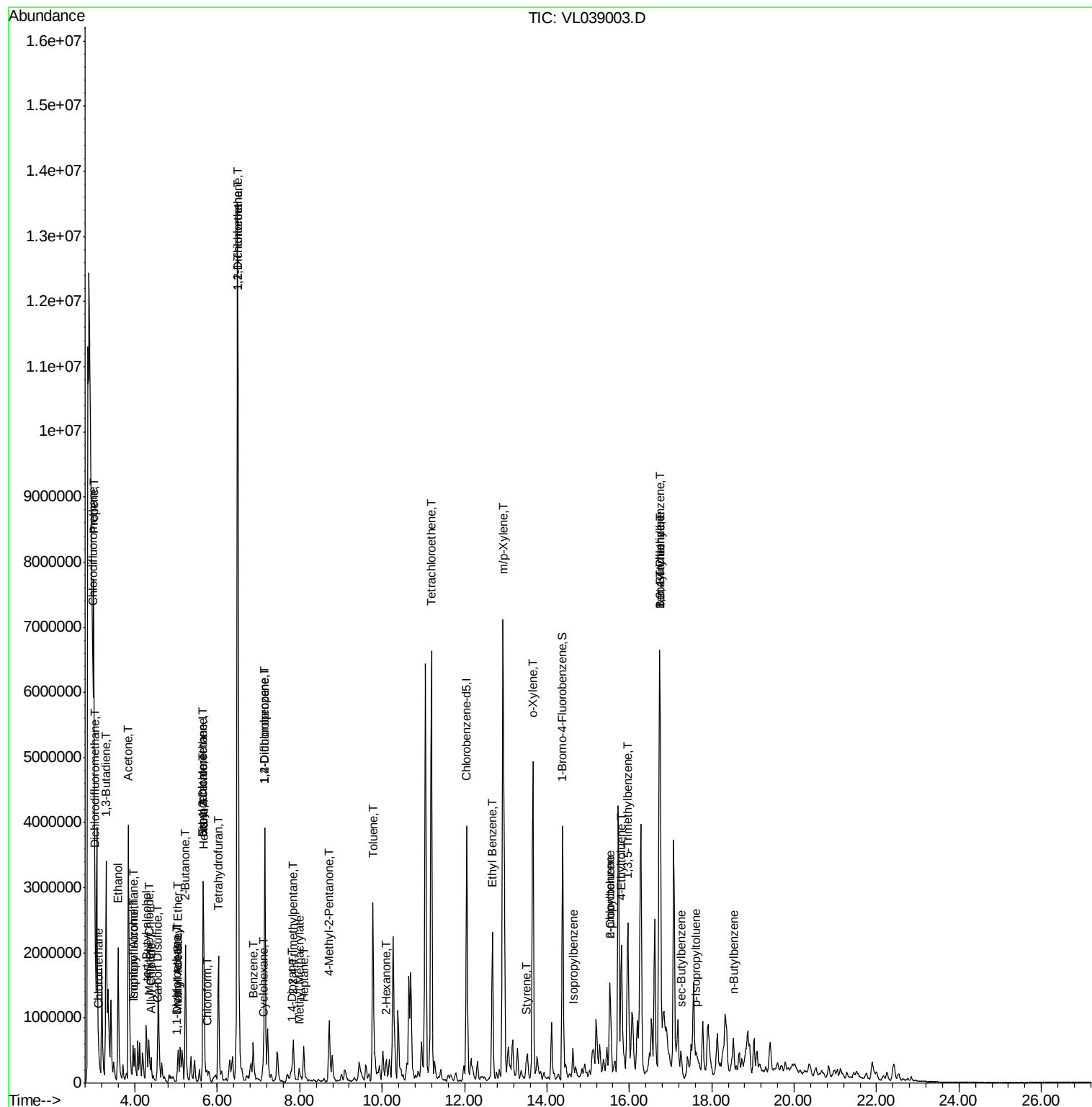
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.73	119	435845	1.048	ppbv #	82
66) Benzyl Chloride	16.73	91	416811	7.669	ppbv #	70
67) sec-Butylbenzene	17.26	105	132330	0.223	ppbv #	50
69) p-Isopropyltoluene	17.61	119	193928	0.404	ppbv	99
70) n-Butylbenzene	18.52	91	116804	0.229	ppbv #	77
71) 2-Chlorotoluene	15.53	91	1448430	3.959	ppbv #	45
72) 4-Ethyltoluene	15.81	105	1494678	4.042	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.96	105	1778585	5.343	ppbv	95
74) 1,2,4-Trimethylbenzene	16.73	105	3734319	10.246	ppbv #	68

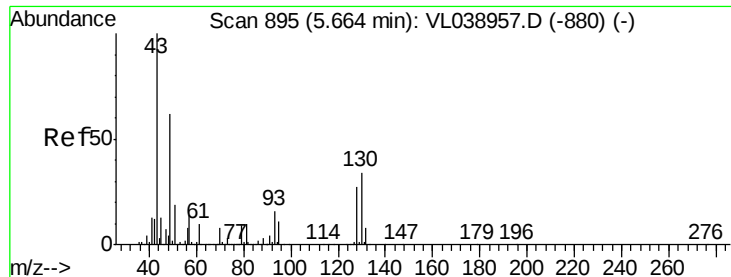
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

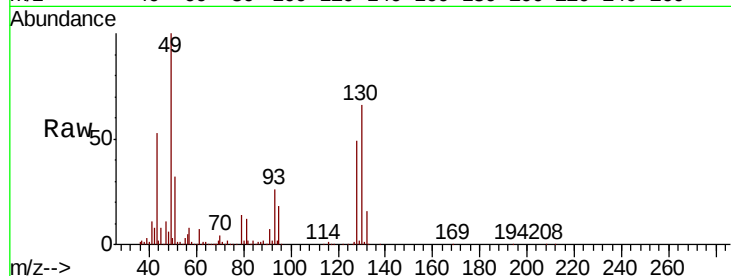
Delta R.T.

Lab File: ClientSampleId:

Acq: 10 May 2022 1:41

Tot Ion: 49 Resp: 1120767

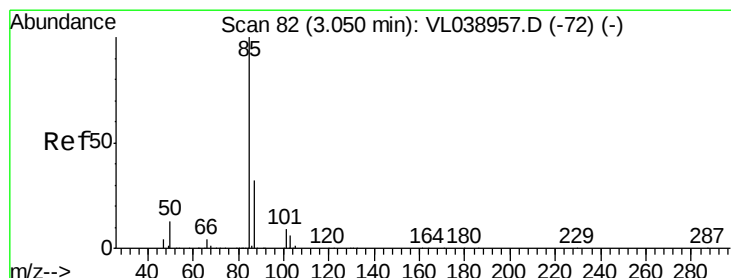
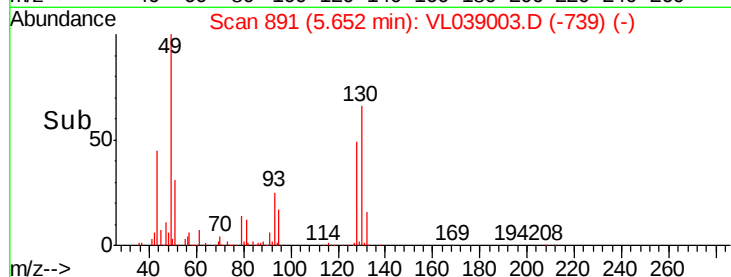
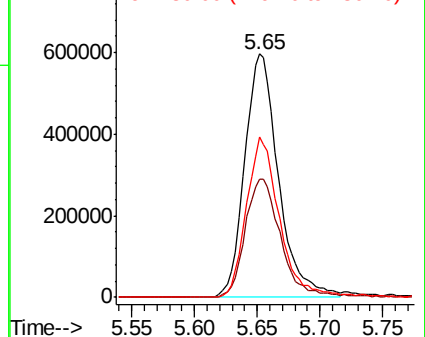
Ion	Ratio	Lower	Upper
49	100		
128	51.7	23.3	69.8
130	65.4	29.8	89.3



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: 0.468 ppbv

RT: 3.03 min Scan# 77

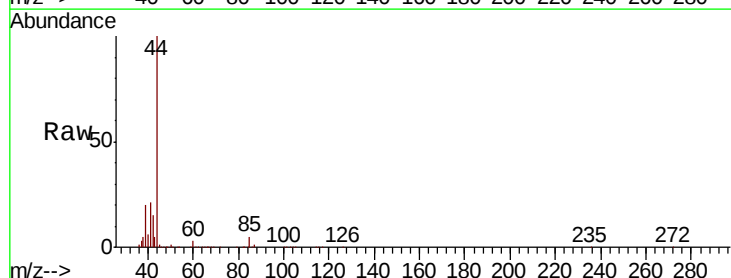
Delta R.T. -0.02 min

Lab File: VL039003.D

Acq: 10 May 2022 1:41

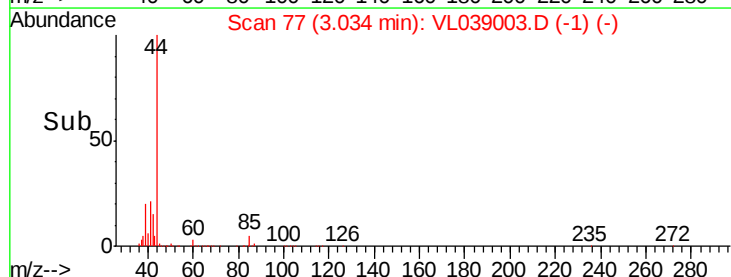
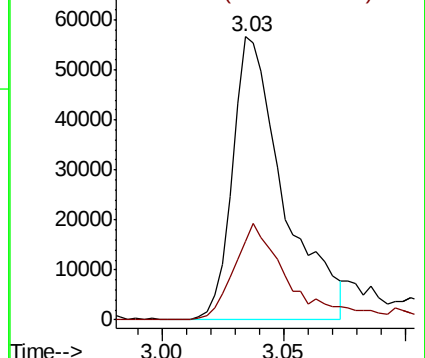
Tgt Ion: 85 Resp: 82229

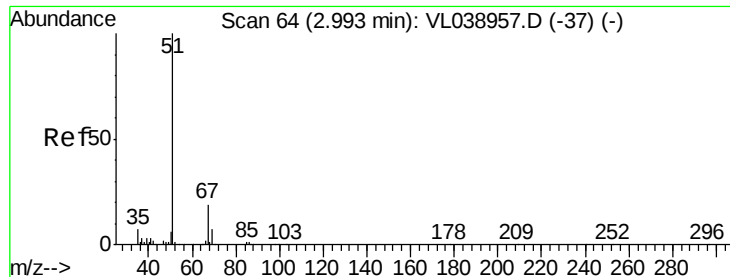
Ion	Ratio	Lower	Upper
85	100		
87	27.6	25.7	38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.670 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: SV2

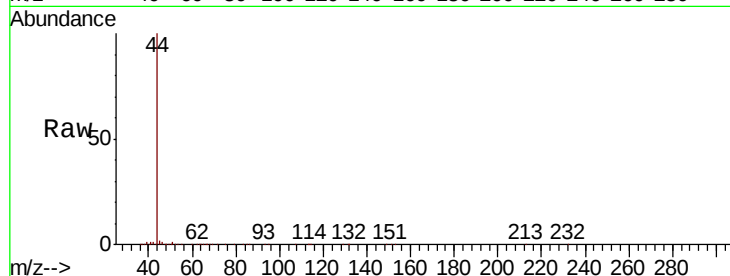
Acq: 10 May 2022 1:41

Tot Ion: 51 Resp: 93215

Ion Ratio Lower Upper

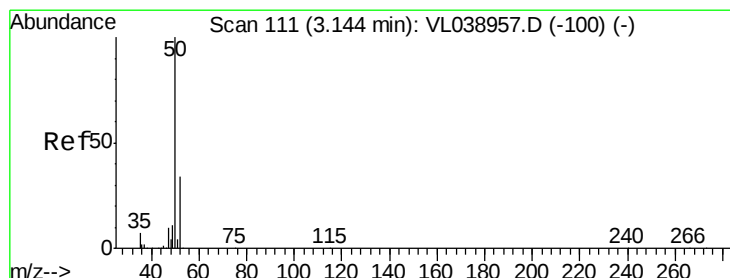
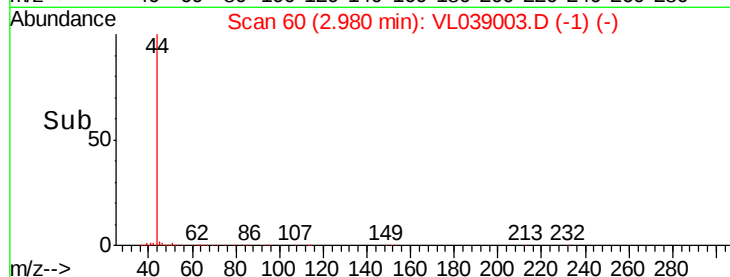
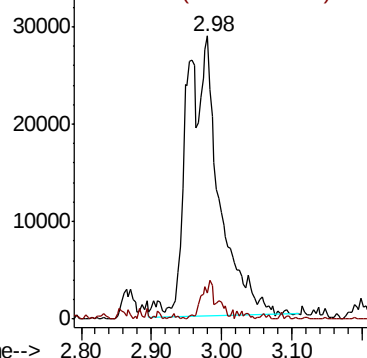
51 100

67 7.8 15.8 23.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.223 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL039003.D

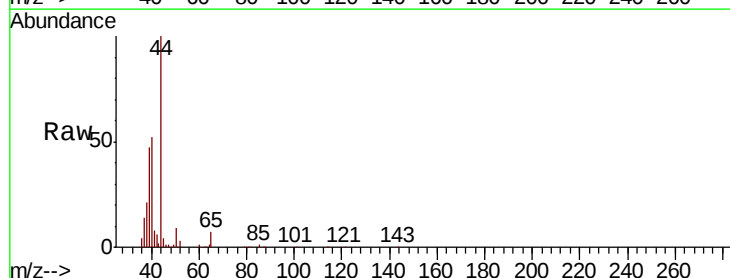
Acq: 10 May 2022 1:41

Tgt Ion: 50 Resp: 15521

Ion Ratio Lower Upper

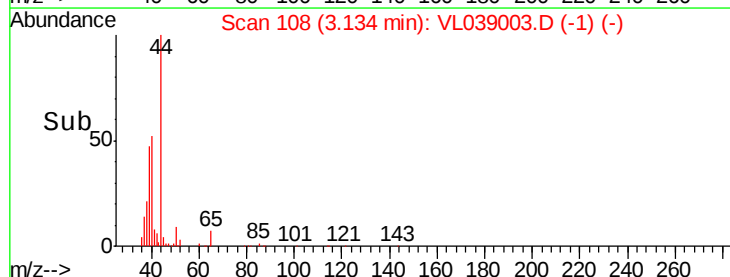
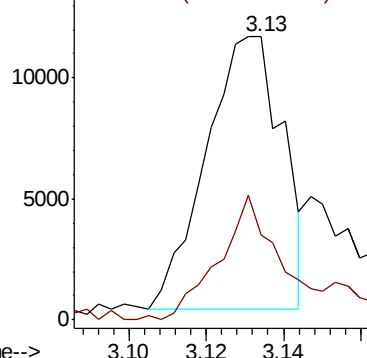
50 100

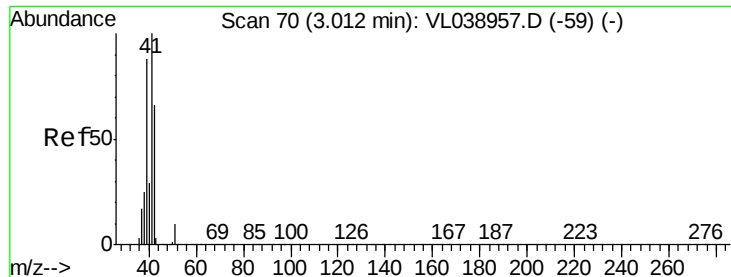
52 29.7 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 38.367 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

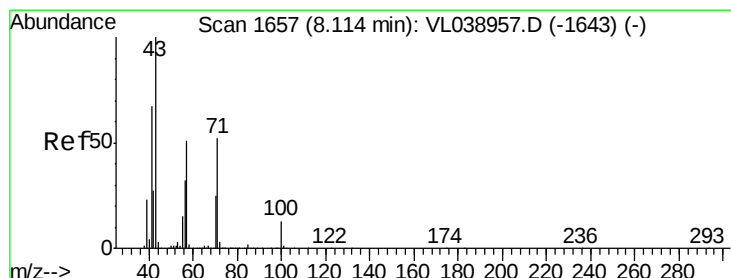
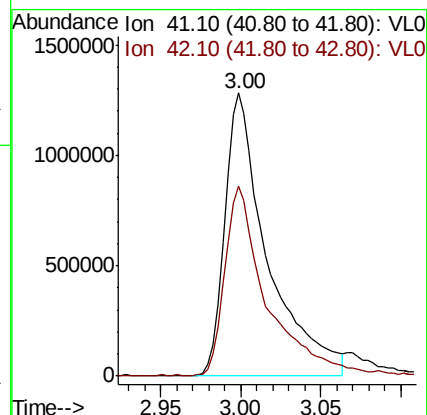
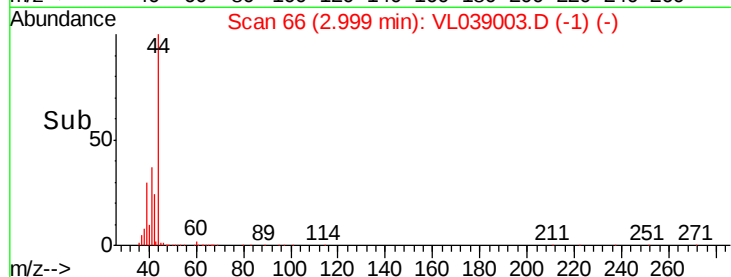
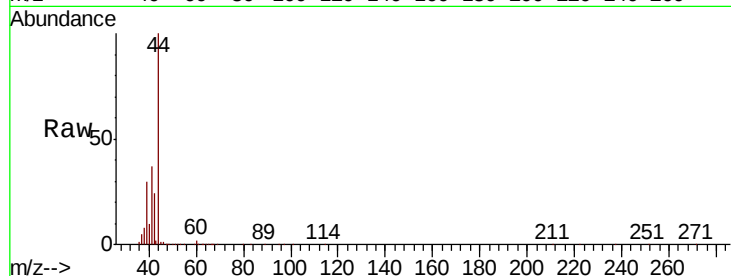
Acq: 10 May 2022 1:41

Tot Ion: 41 Resp: 2330156

Ion Ratio Lower Upper

41 100

42 68.5 58.3 87.5



#10

Heptane

Concen: 1.826 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.02 min

Lab File: VL039003.D

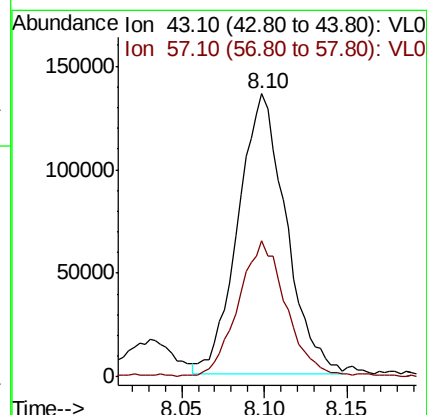
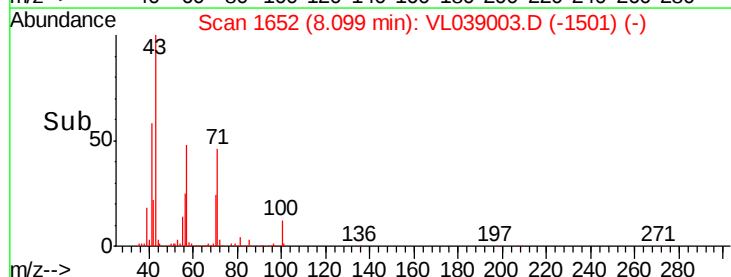
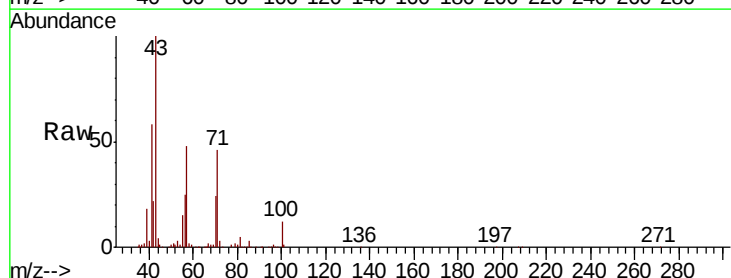
Acq: 10 May 2022 1:41

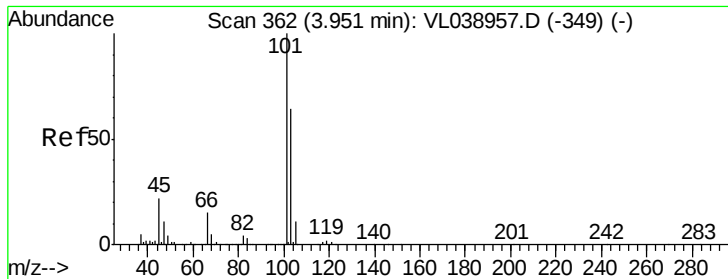
Tgt Ion: 43 Resp: 272046

Ion Ratio Lower Upper

43 100

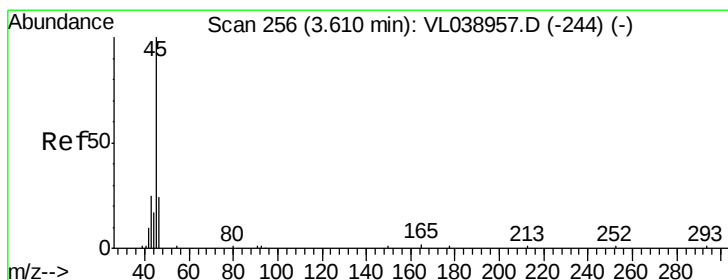
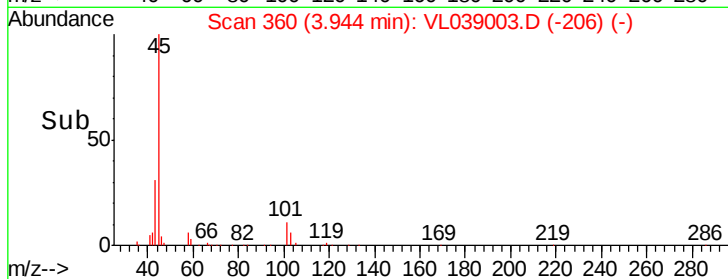
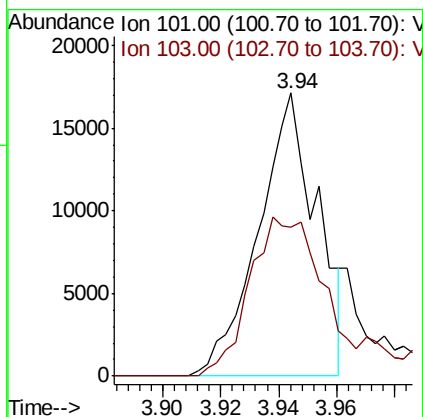
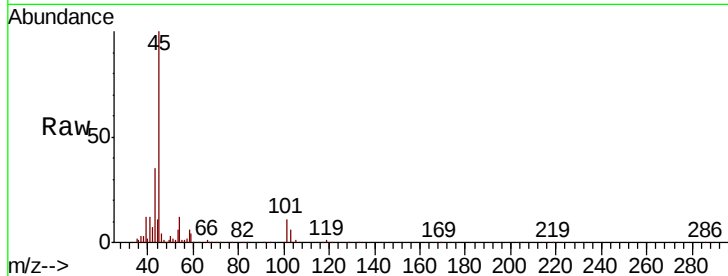
57 48.1 40.5 60.7





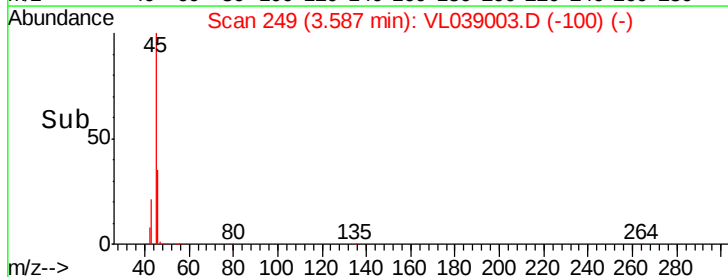
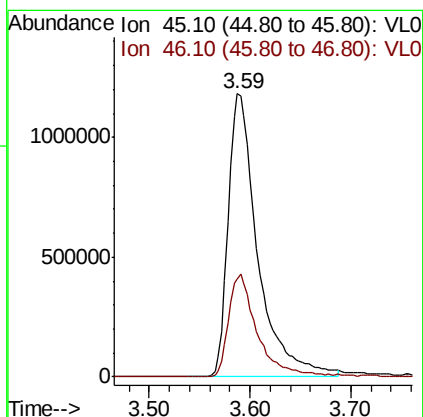
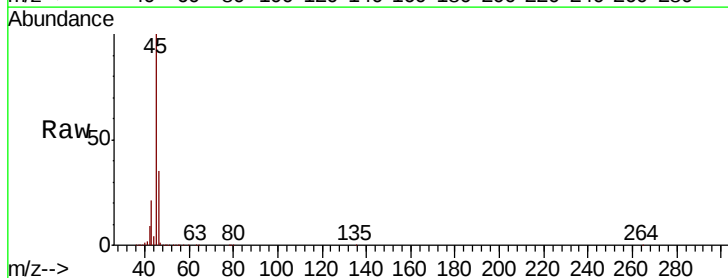
#11
 Trichlorofluoromethane
 Concen: 0.159 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2
 Acq: 10 May 2022 1:41

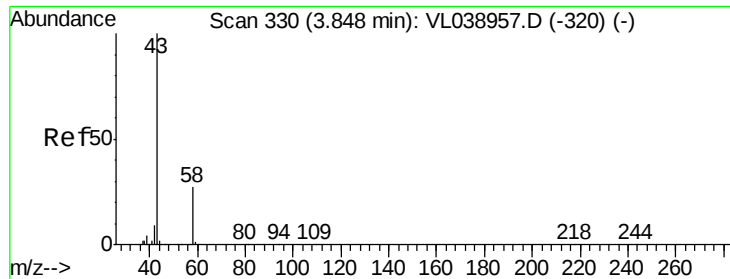
Tot Ion: 101 Resp: 23997
 Ion Ratio Lower Upper
 101 100
 103 52.6 51.5 77.3



#13
 Ethanol
 Concen: 563.374 ppbv
 RT: 3.59 min Scan# 249
 Delta R.T. -0.02 min
 Lab File: VL039003.D
 Acq: 10 May 2022 1:41

Tgt Ion: 45 Resp: 2421392
 Ion Ratio Lower Upper
 45 100
 46 36.3 18.0 72.2





#15

Acetone

Concen: 42.528 ppbv

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

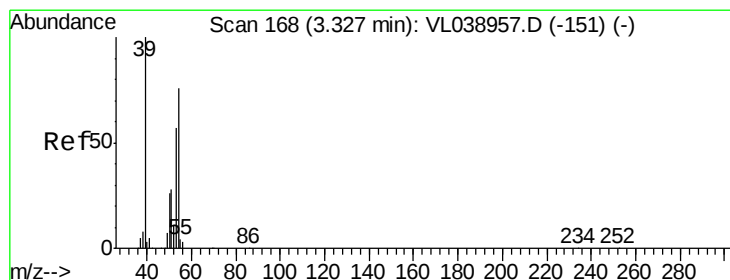
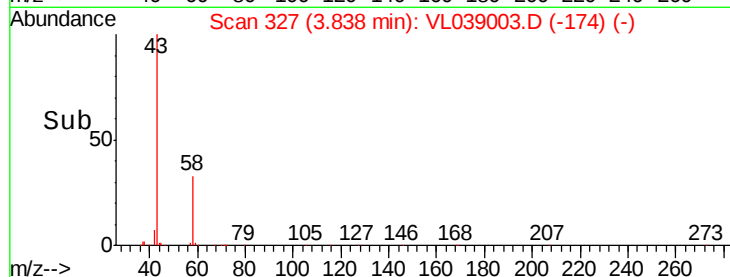
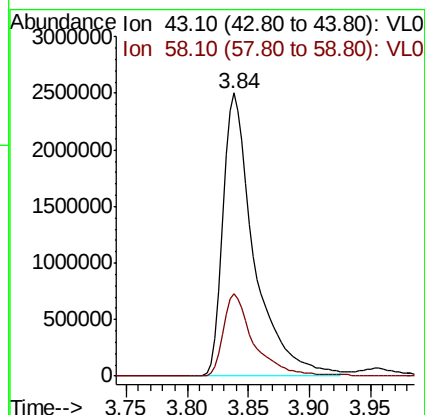
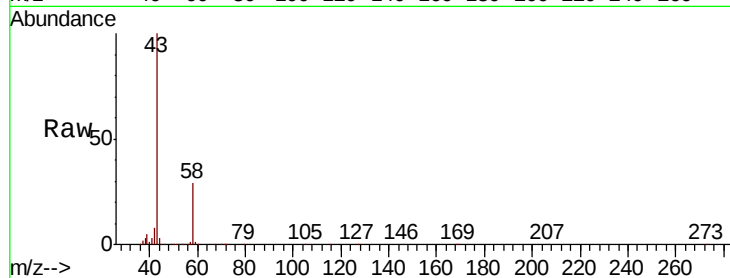
Acq: 10 May 2022 1:41

Tot Ion: 43 Resp: 4496164

Ion Ratio Lower Upper

43 100

58 29.0 21.3 31.9



#16

1,3-Butadiene

Concen: 21.863 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.03 min

Lab File: VL039003.D

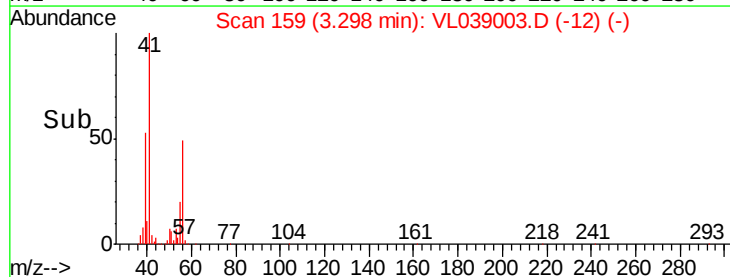
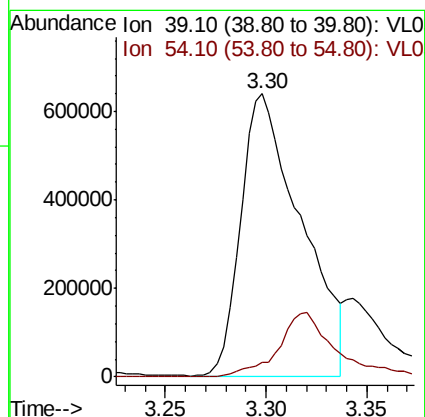
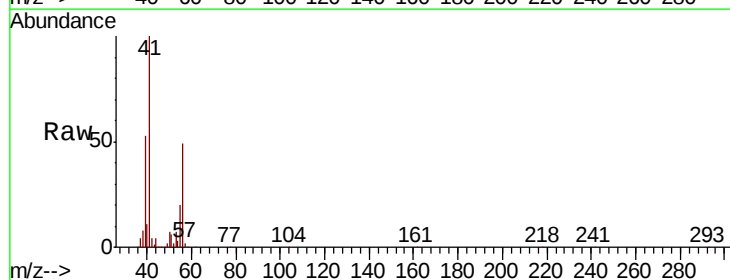
Acq: 10 May 2022 1:41

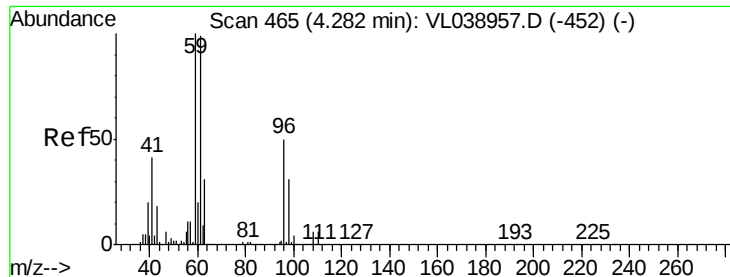
Tgt Ion: 39 Resp: 1327968

Ion Ratio Lower Upper

39 100

54 21.6 65.2 97.8#





#17

tert-Butyl alcohol

Concen: 8.454 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV2

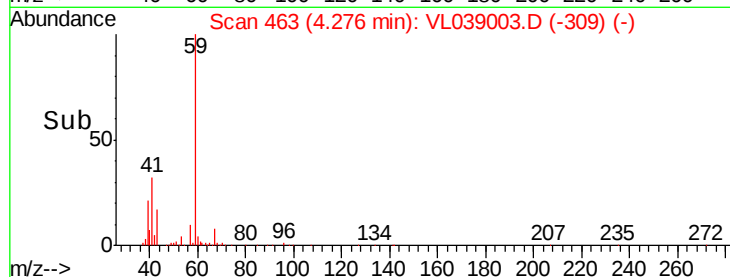
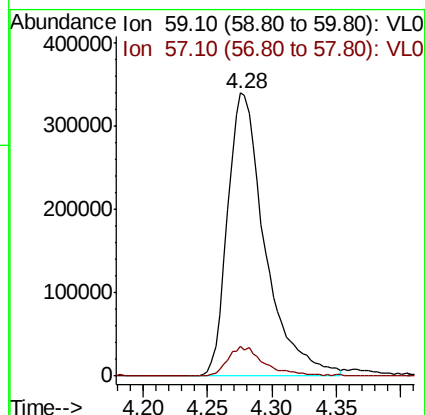
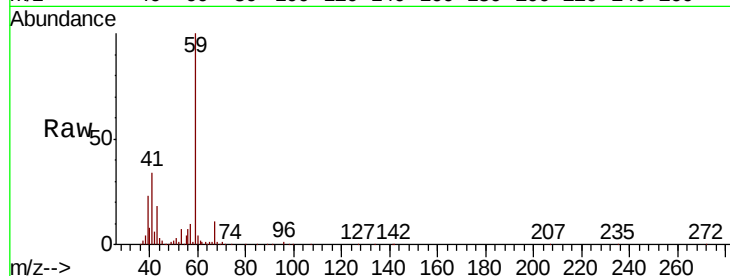
Acq: 10 May 2022 1:41

Tot Ion: 59 Resp: 686956

Ion Ratio Lower Upper

59 100

57 10.7 9.2 13.8



#19

Isopropyl Alcohol

Concen: 9.435 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL039003.D

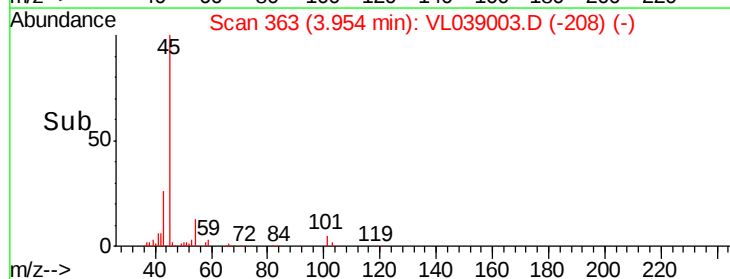
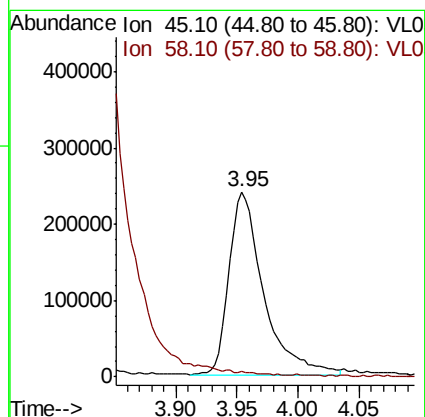
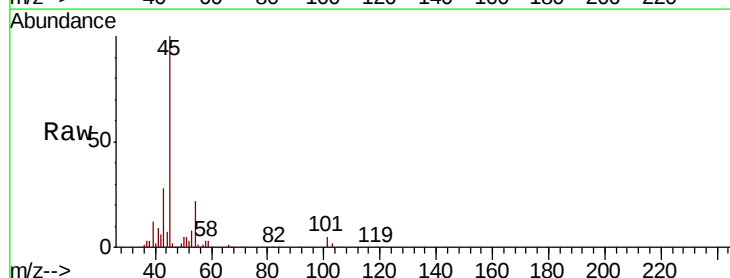
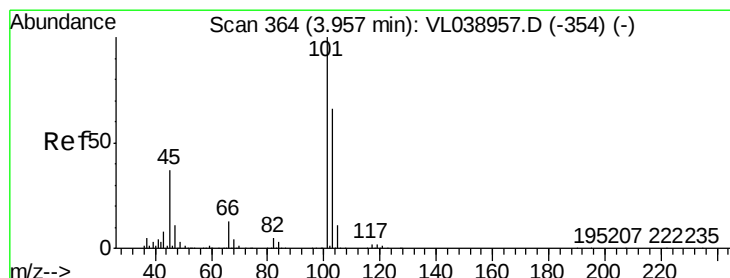
Acq: 10 May 2022 1:41

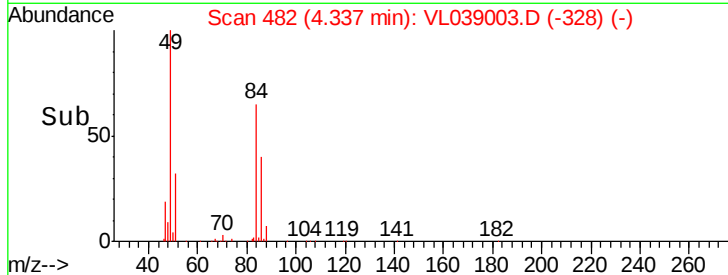
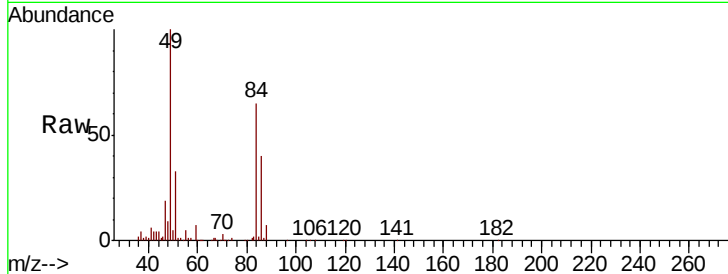
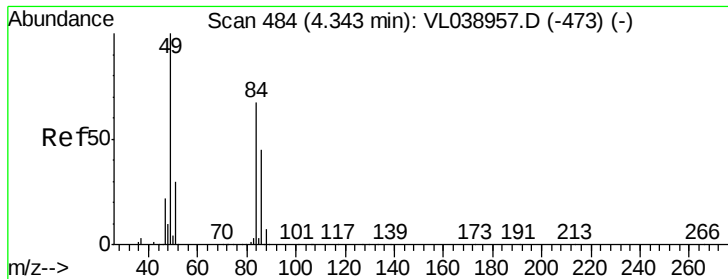
Tgt Ion: 45 Resp: 474267

Ion Ratio Lower Upper

45 100

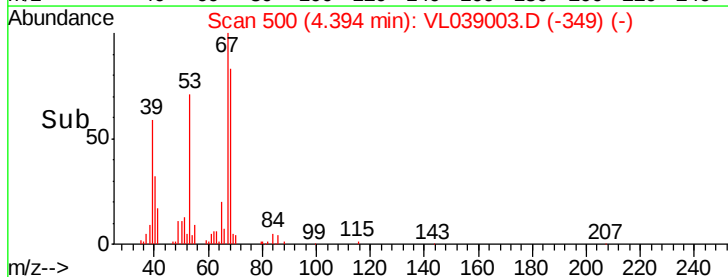
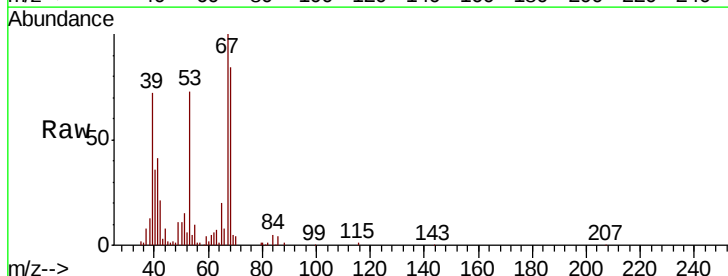
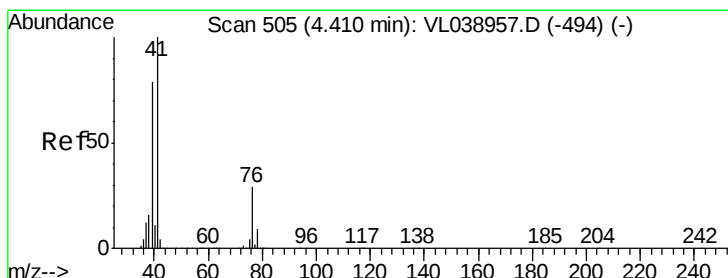
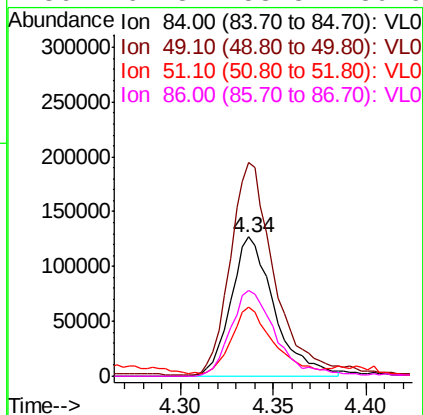
58 274.1 1.4 2.2#





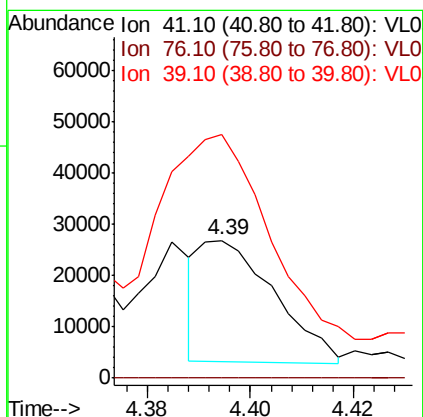
#20
Methvlene Chloride
Concen: 5.189 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2
Acq: 10 May 2022 1:41

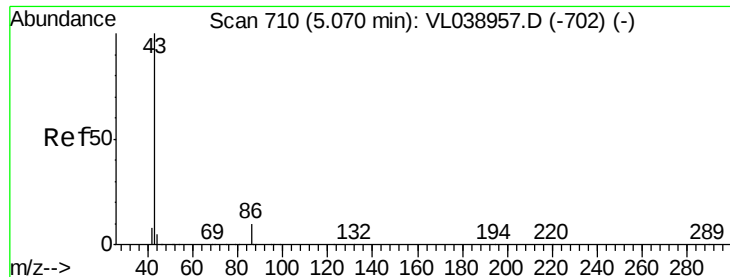
Tot Ion:	84	Resp:	206770
Ion	Ratio	Lower	Upper
84	100		
49	152.8	119.9	179.9
51	47.9	35.7	53.5
86	61.8	53.8	80.6



#21
Allyl Chloride
Concen: 0.329 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.02 min
Lab File: VL039003.D
Acq: 10 May 2022 1:41

Tgt Ion:	41	Resp:	23709
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.4#
39	434.4	63.8	95.8#





#23

Vinyl Acetate

Concen: 3.538 ppbv

RT: 5.05 Instrument: MSVOA_1

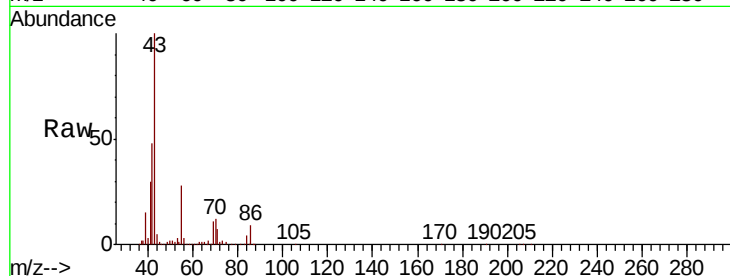
Delta R.T.

Lab File: ClientSampleId:

Acq: 10 May 2022 1:41

Tot Ion: 43 Resp: 295948

Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.6	9.8
42	48.2	8.1	12.1#
44	2.4	3.5	5.3#

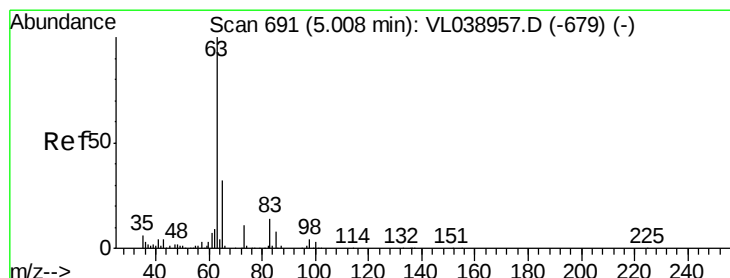
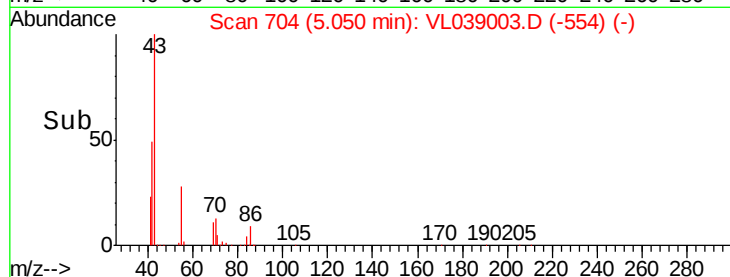
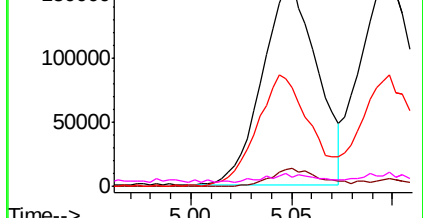


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.041 ppbv

RT: 5.00 min Scan# 689

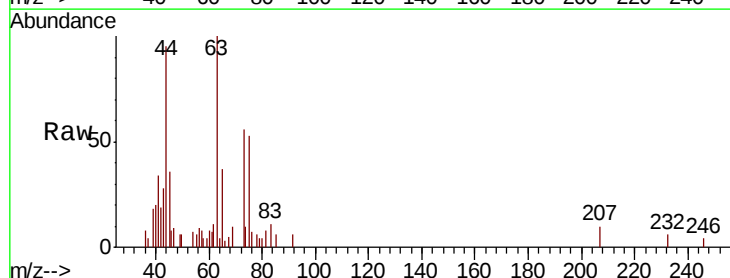
Delta R.T. -0.01 min

Lab File: VL039003.D

Acq: 10 May 2022 1:41

Tgt Ion: 63 Resp: 3929

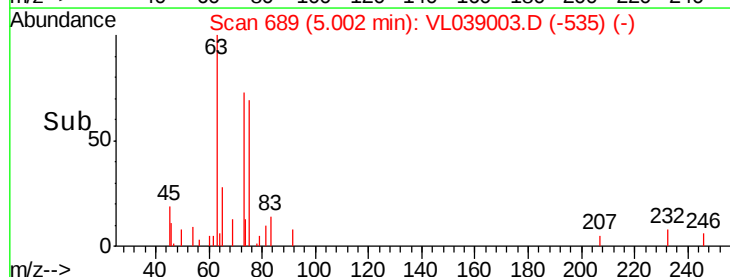
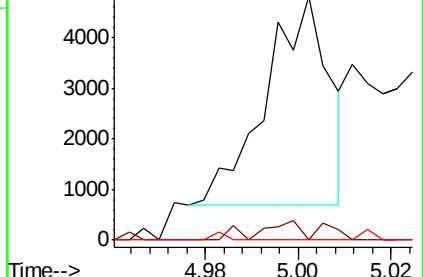
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.2#
100	0.0	1.4	4.2#

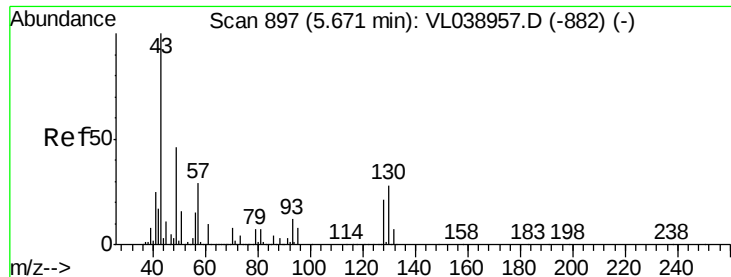


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

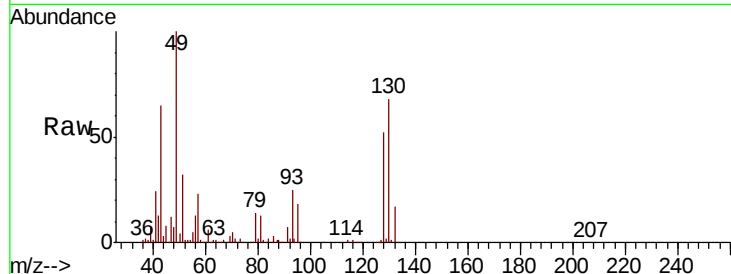
Ion 100.00 (99.70 to 100.70): VL0



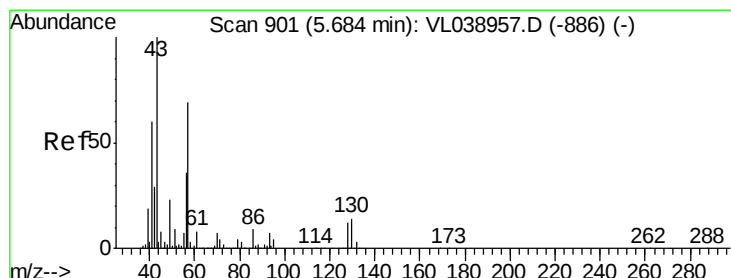
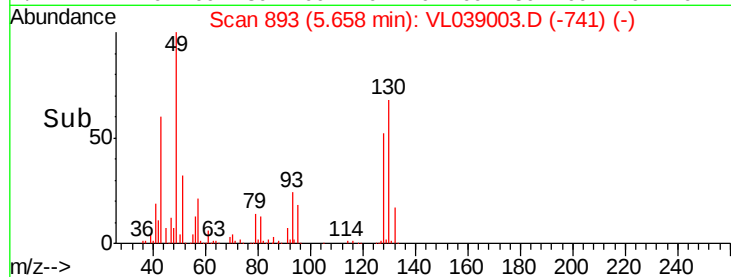
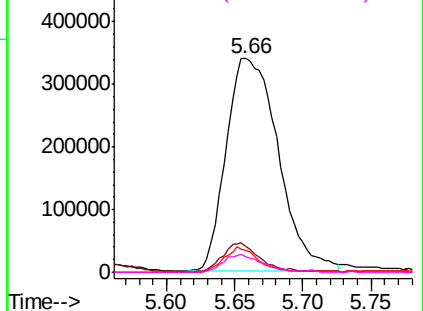


#25
Ethyl Acetate
Concen: 3.558 ppbv
RT: 5.66
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 May 2022 1:41

Tot Ion:	43	Resp:	900321
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	8.0	7.8	11.6
70	6.6	5.6	8.4

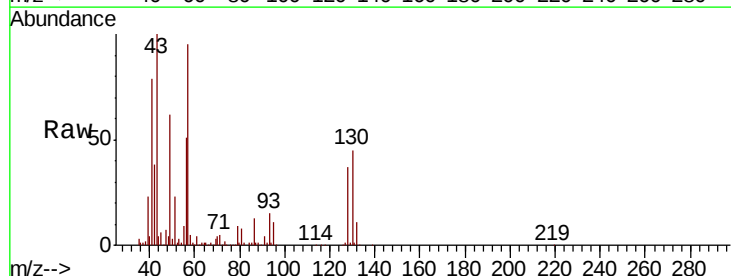


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

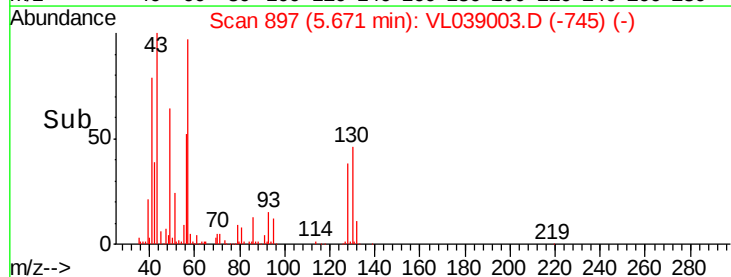
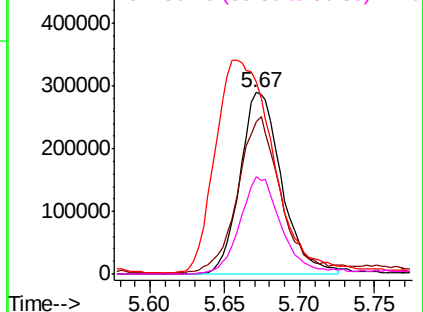


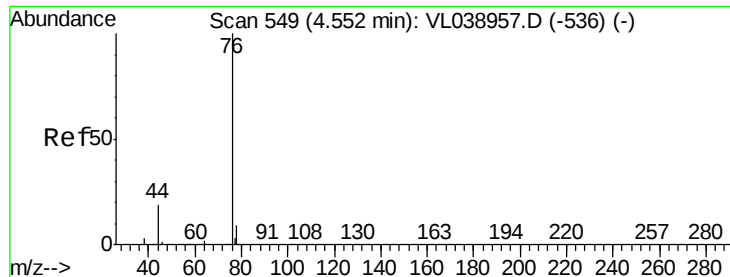
#26
Hexane
Concen: 4.969 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL039003.D
Acq: 10 May 2022 1:41

Tgt Ion:	57	Resp:	558683
Ion	Ratio	Lower	Upper
57	100		
41	90.9	75.2	112.8
43	167.2	190.8	286.2#
56	57.1	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: 1.784 ppbv

RT: 4.54 Instrument:

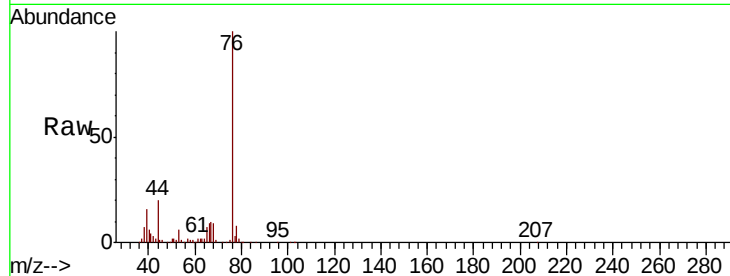
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

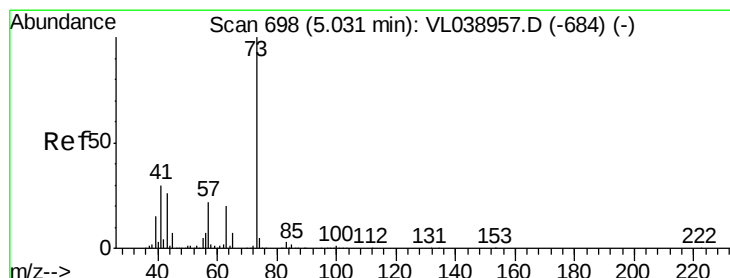
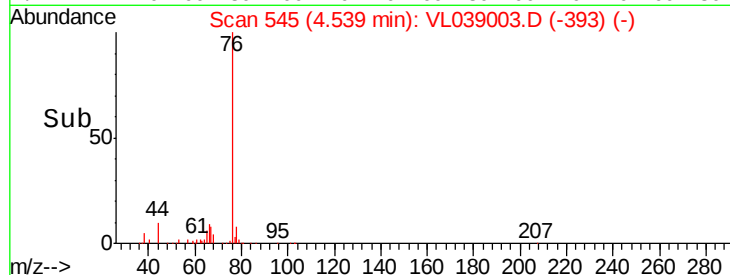
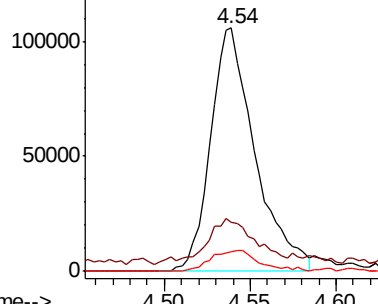
Acq: 10 May 2022 1:41 SV2

Tot Ion: 76 Resp: 190507

Ion	Ratio	Lower	Upper
76	100		
44	24.0	15.3	22.9#
78	9.7	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: 0.333 ppbv

RT: 5.03 min Scan# 697

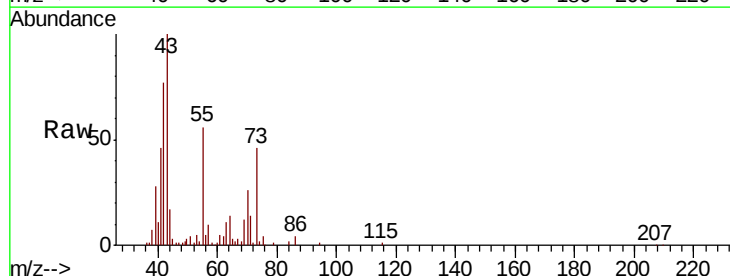
Delta R.T. -0.00 min

Lab File: VL039003.D

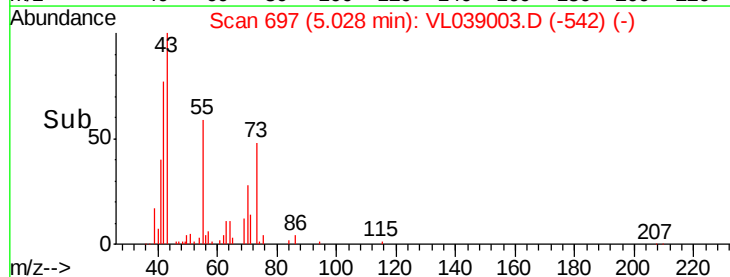
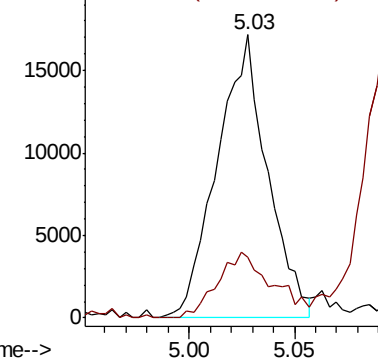
Acq: 10 May 2022 1:41

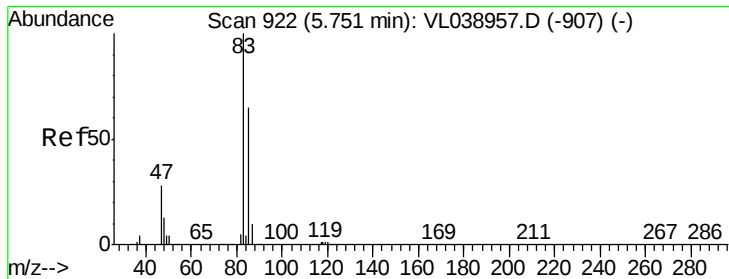
Tgt Ion: 73 Resp: 28476

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: 0.151 ppbv

RT: 5.74 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV2

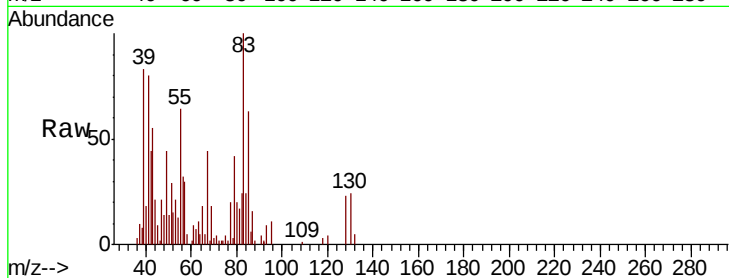
Acq: 10 May 2022 1:41

Tot Ion: 83 Resp: 27427

Ion Ratio Lower Upper

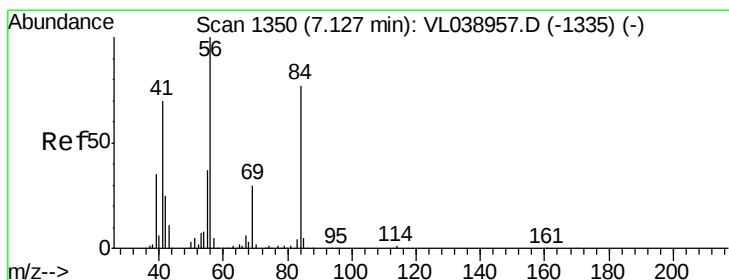
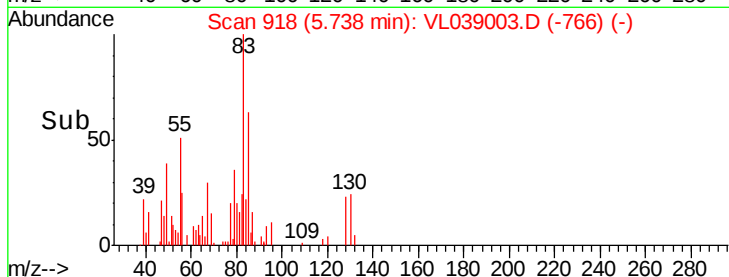
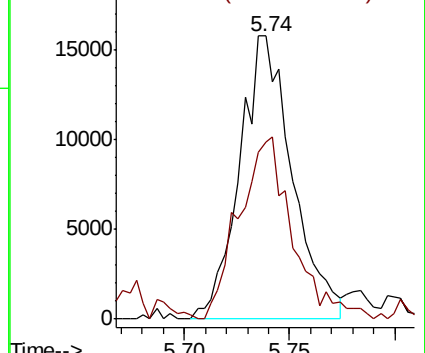
83 100

85 61.1 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 1.094 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. -0.02 min

Lab File: VL039003.D

Acq: 10 May 2022 1:41

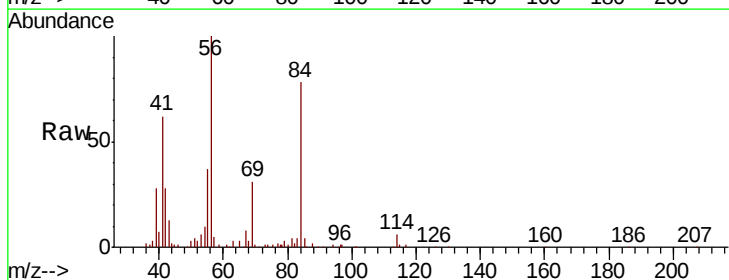
Tgt Ion: 84 Resp: 102993

Ion Ratio Lower Upper

84 100

56 124.0 115.3 172.9

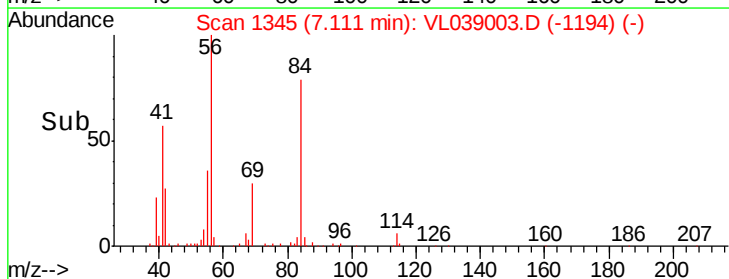
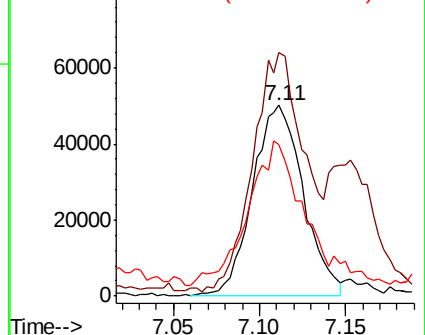
41 94.2 72.0 108.0

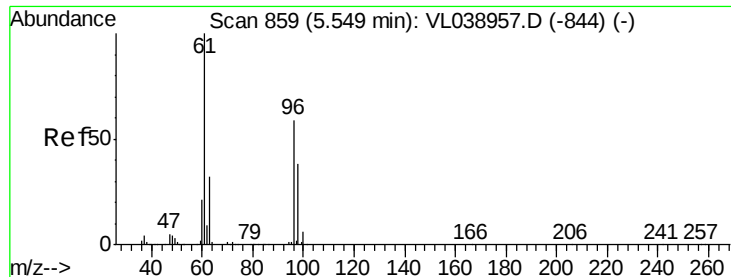


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.594 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 10 May 2022 1:41

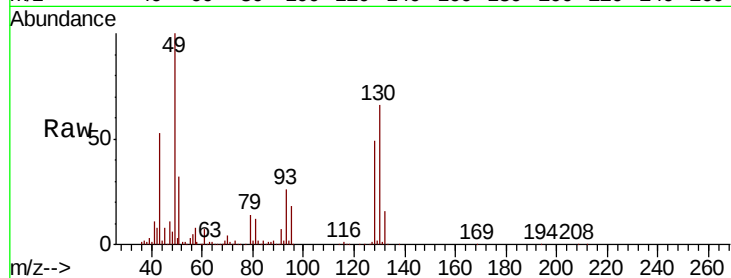
Tot Ion: 61 Resp: 68077

Ion Ratio Lower Upper

61 100

96 3.2 47.4 71.0#

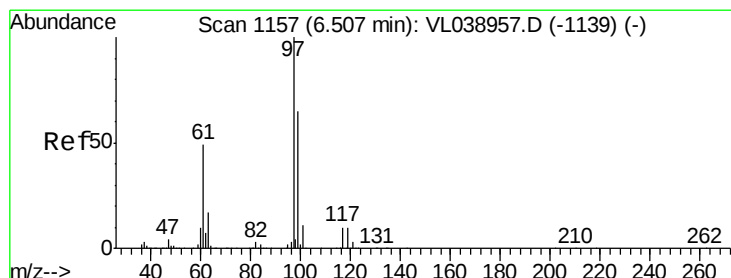
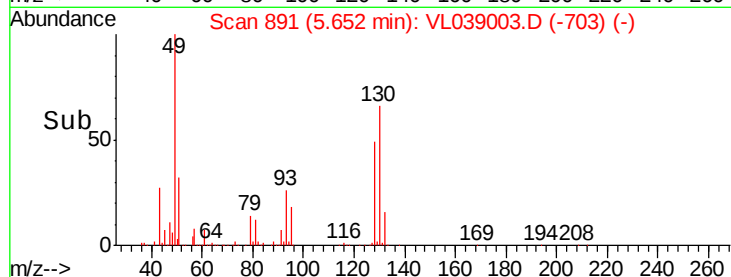
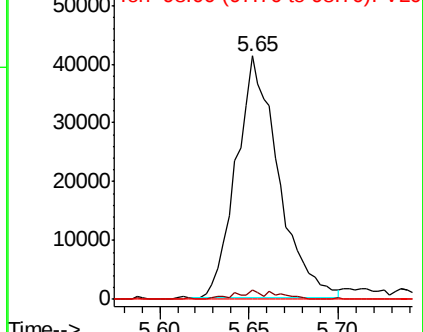
98 0.0 30.6 45.8#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 54.050 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VL039003.D

Acq: 10 May 2022 1:41

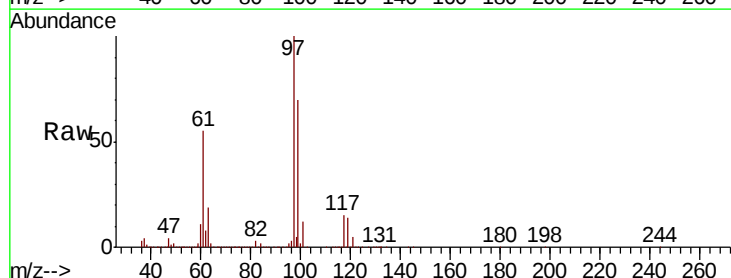
Tgt Ion: 97 Resp: 9830645

Ion Ratio Lower Upper

97 100

99 68.4 51.9 77.9

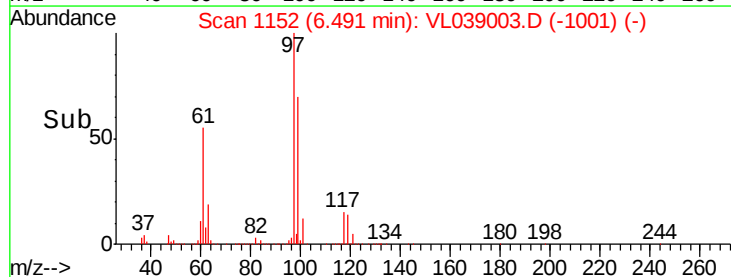
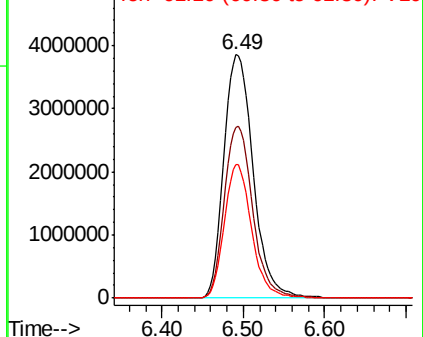
61 51.1 40.9 61.3

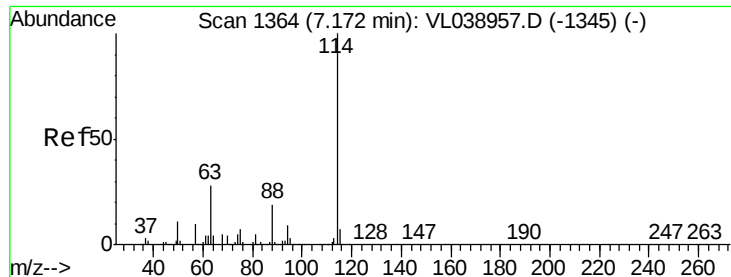


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

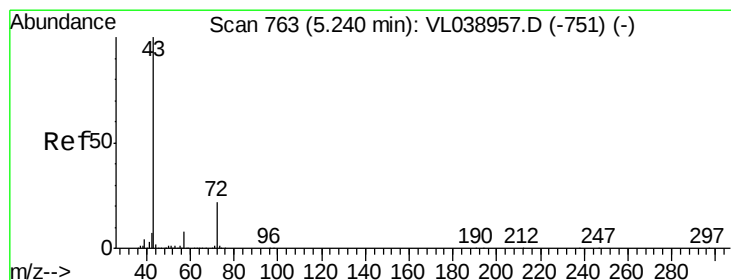
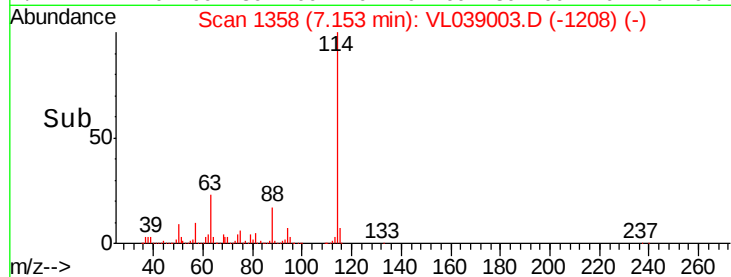
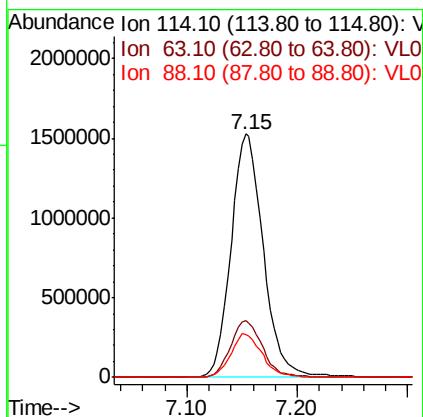
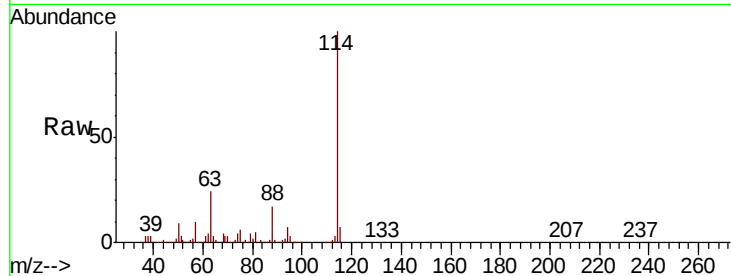
Ion 61.10 (60.80 to 61.80): VL0





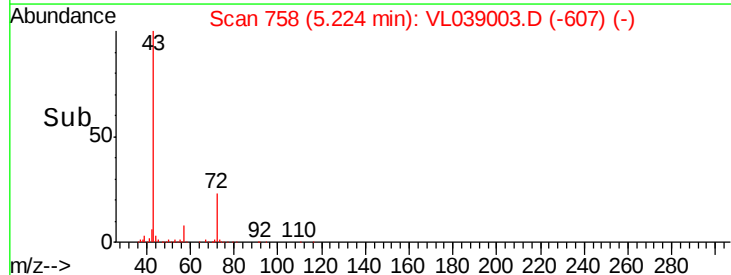
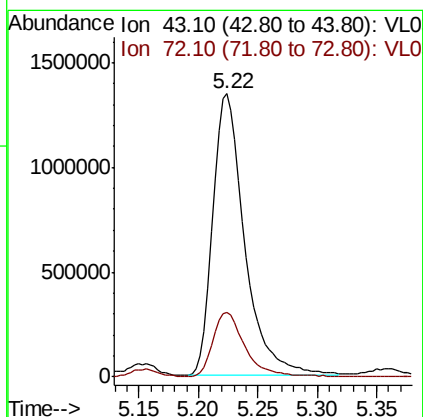
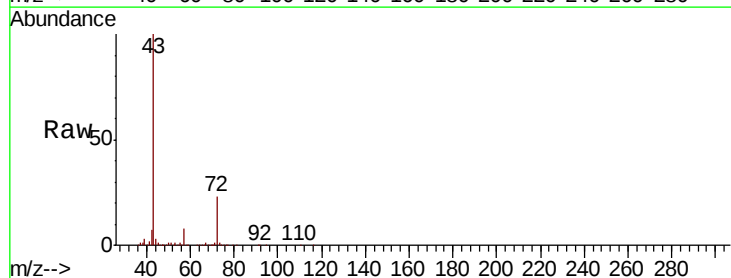
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2
 Acq: 10 May 2022 1:41

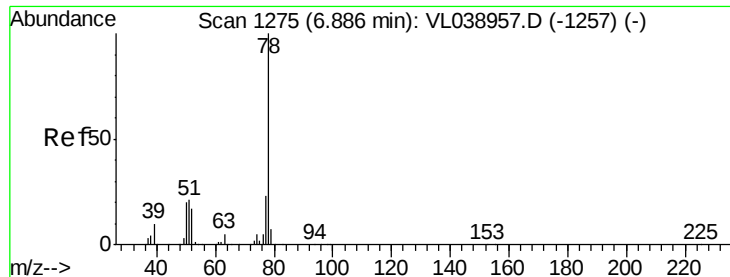
Tot Ion:114 Resp: 3094482
 Ion Ratio Lower Upper
 114 100
 63 23.4 22.6 33.8
 88 17.5 15.4 23.0



#34
 2-Butanone
 Concen: 15.874 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL039003.D
 Acq: 10 May 2022 1:41

Tgt Ion: 43 Resp: 2505985
 Ion Ratio Lower Upper
 43 100
 72 23.3 17.8 26.6





#36

Benzene

Concen: 1.827 ppbv

RT: 6.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 1:41

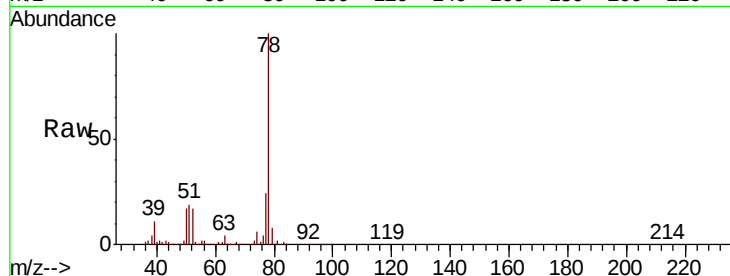
Tot Ion: 78 Resp: 483951

Ion Ratio Lower Upper

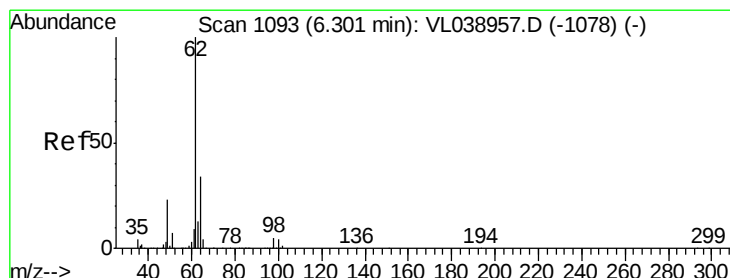
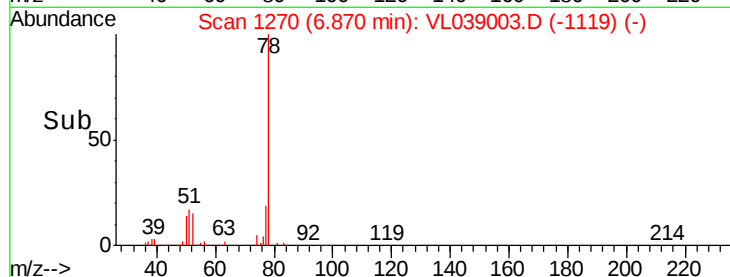
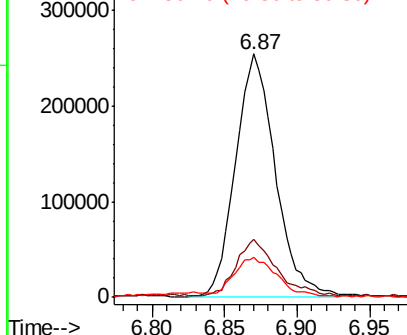
78 100

77 23.4 18.6 28.0

50 16.2 15.6 23.4



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



#37

1,2-Dichloroethane

Concen: 4.434 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. 0.19 min

Lab File: VL039003.D

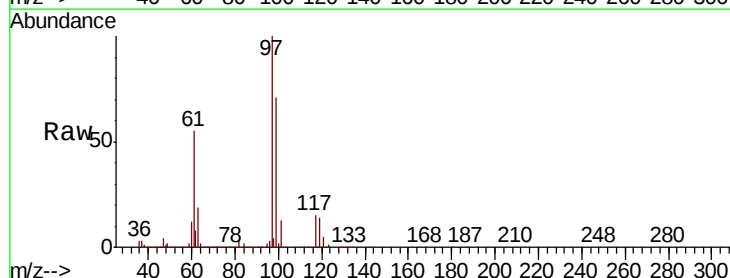
Acq: 10 May 2022 1:41

Tgt Ion: 62 Resp: 726456

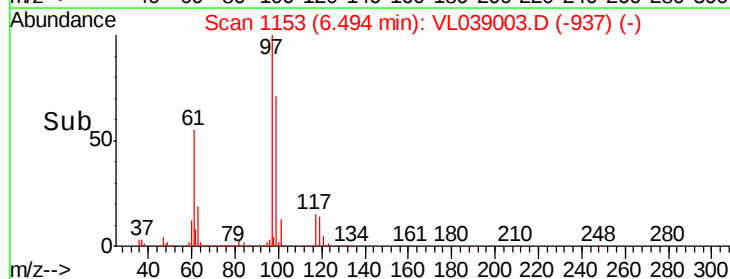
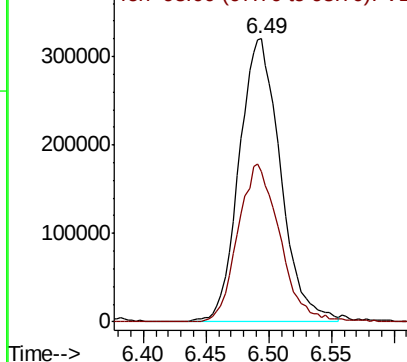
Ion Ratio Lower Upper

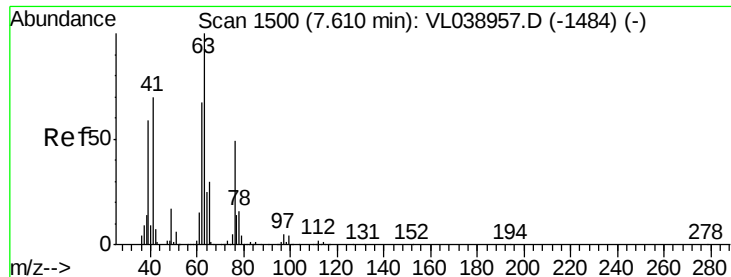
62 100

98 57.4 4.5 6.7#



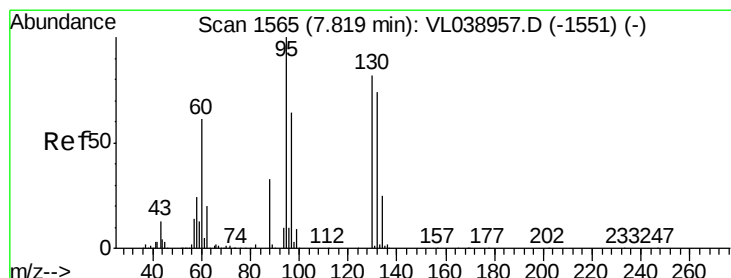
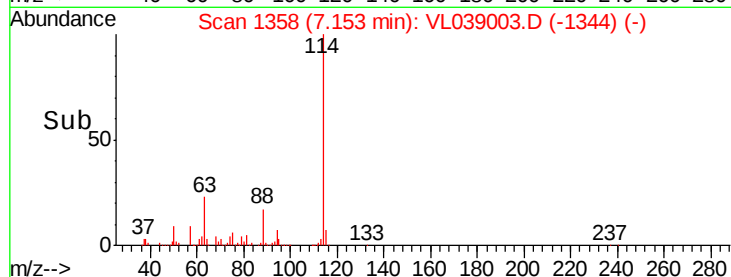
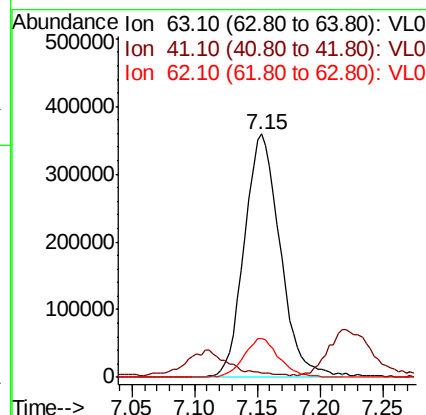
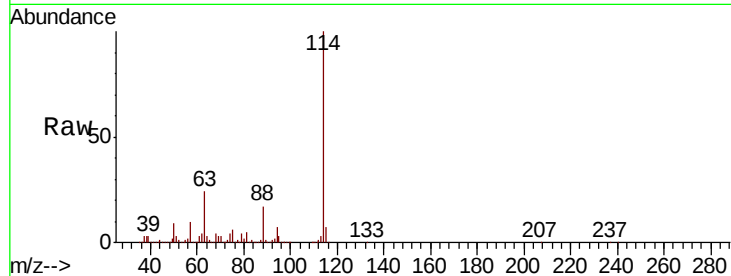
Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





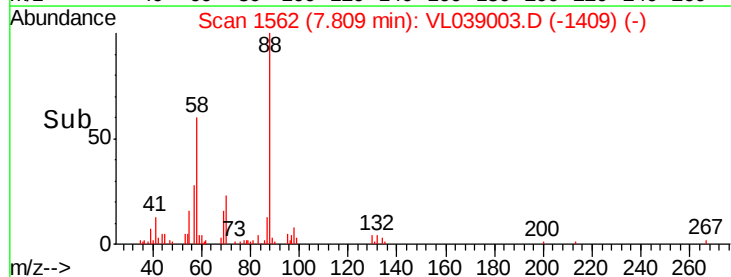
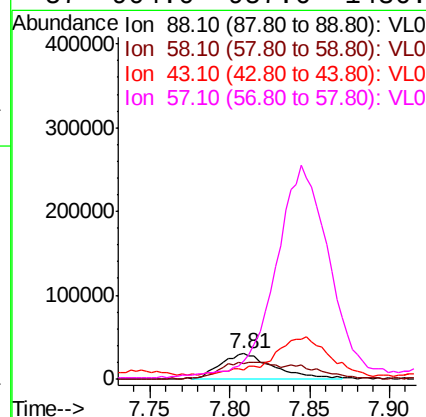
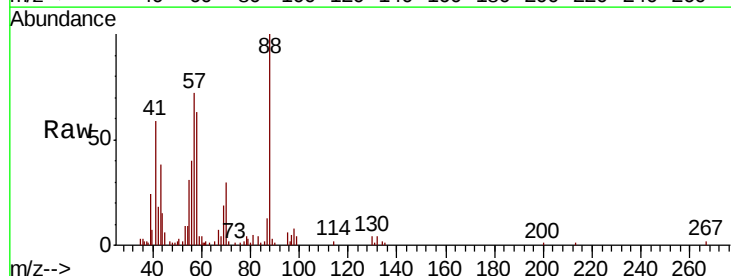
#39
 1,2-Dichloropropane
 Concen: 6.910 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2
 Acq: 10 May 2022 1:41

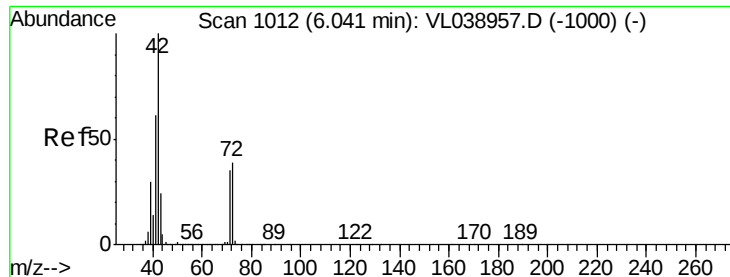
Tot Ion	63	Resp	711978
Ion Ratio	Lower	Upper	
63	100		
41	0.0	55.9	83.9#
62	15.7	53.8	80.6#



#40
 1,4-Dioxane
 Concen: 1.825 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VL039003.D
 Acq: 10 May 2022 1:41

Tgt Ion	88	Resp	67533
Ion Ratio	Lower	Upper	
88	100		
58	112.1	106.1	159.1
43	206.2	222.9	334.3#
57	904.0	957.6	1436.4#





#41

Tetrahydrofuran

Concen: 11.500 ppbv

RT: 6.02

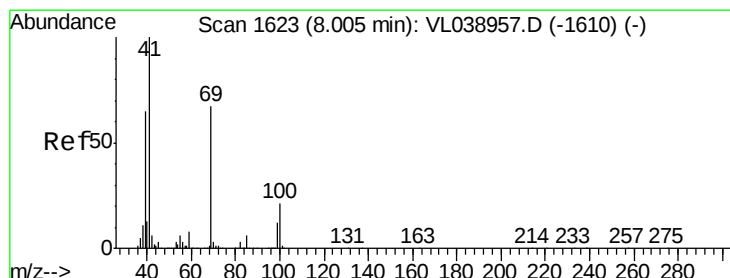
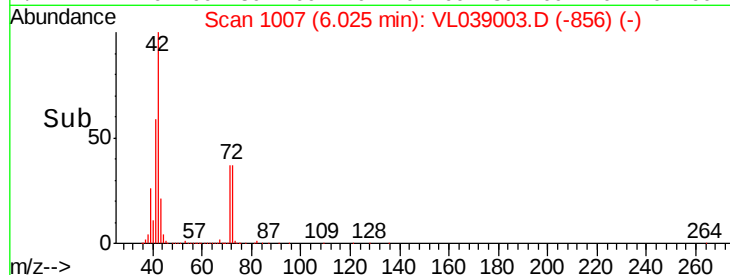
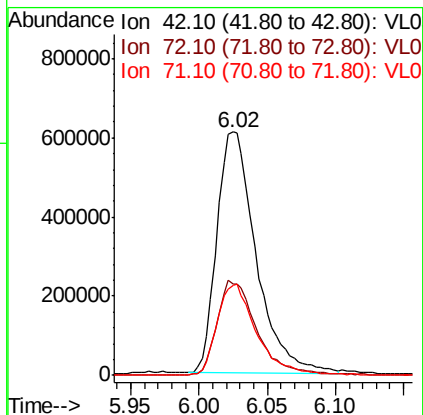
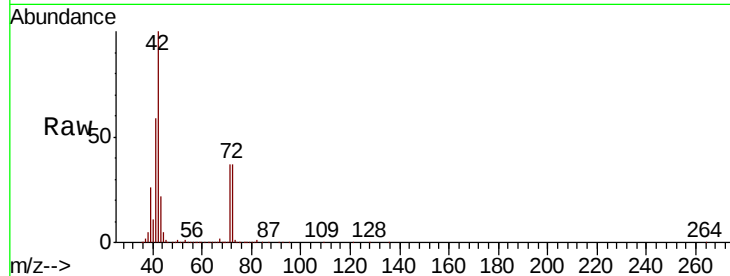
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 1:41

Tot Ion: 42 Resp: 1220256

Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.8	47.6
71	38.4	30.6	45.8



#43

Methyl Methacrylate

Concen: 0.789 ppbv

RT: 7.99 min Scan# 1618

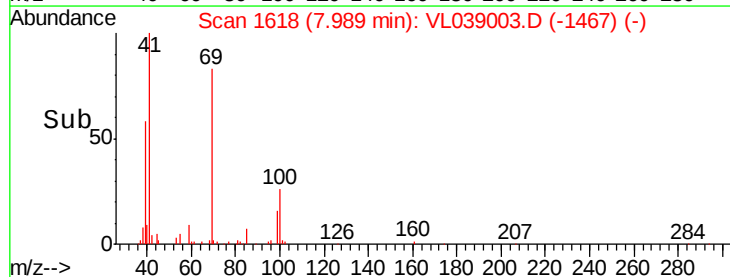
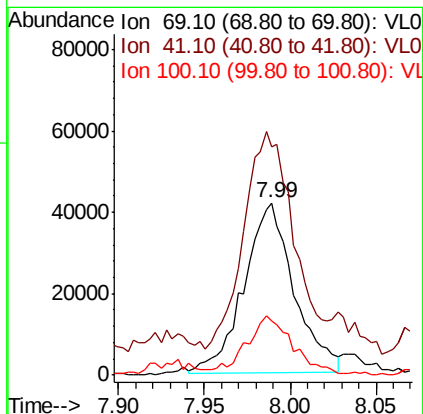
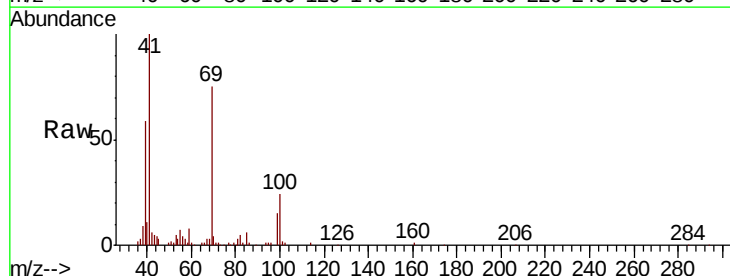
Delta R.T. -0.02 min

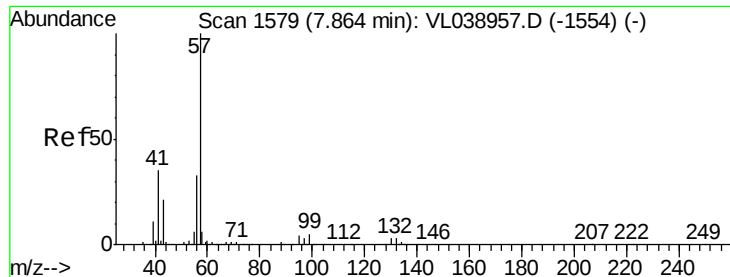
Lab File: VL039003.D

Acq: 10 May 2022 1:41

Tgt Ion: 69 Resp: 84816

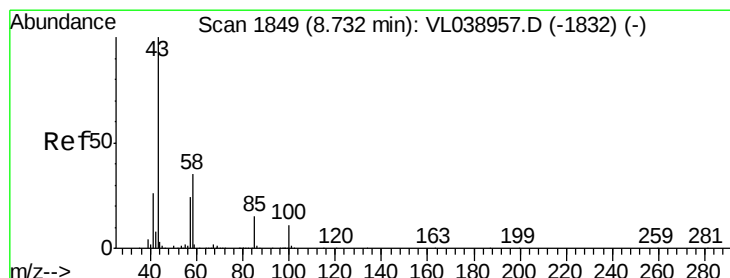
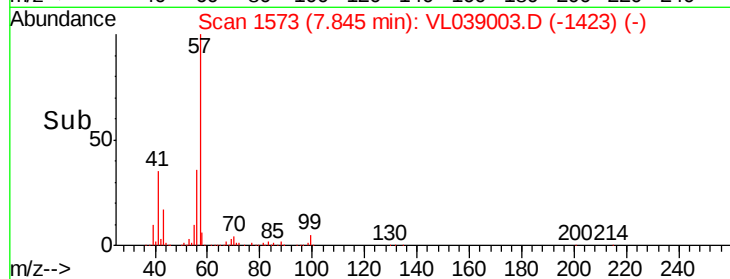
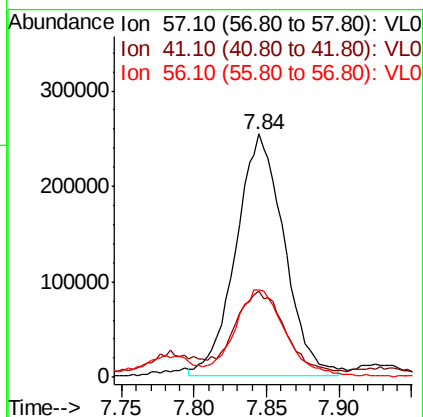
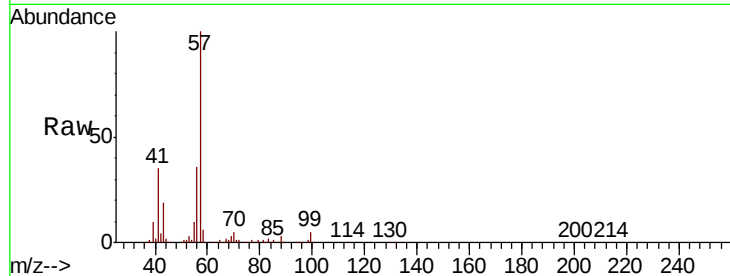
Ion	Ratio	Lower	Upper
69	100		
41	176.0	121.9	182.9
100	33.8	24.6	36.8





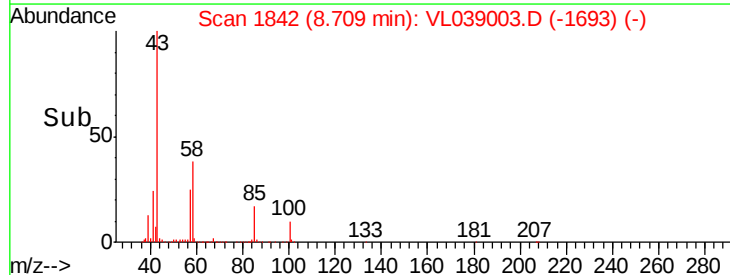
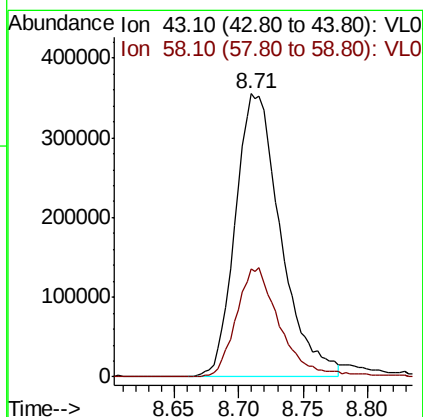
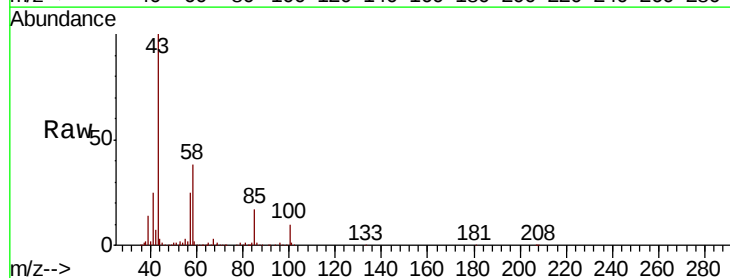
#44
 2,2,4-Trimethylpentane
 Concen: 1.263 ppbv
 RT: 7.84
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2
 Acq: 10 May 2022 1:41

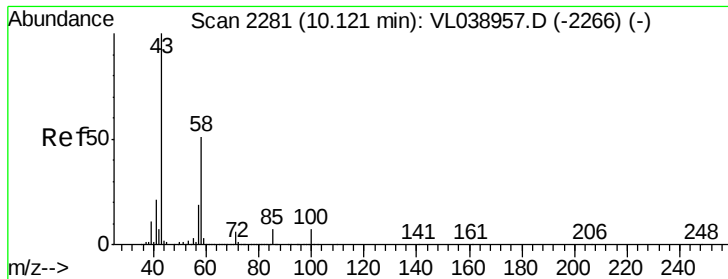
Tot Ion	57	Resp	587045
Ion Ratio	Lower	Upper	
57	100		
41	39.0	26.3	39.5
56	39.3	24.6	37.0



#50
 4-Methyl-2-Pentanone
 Concen: 3.122 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. -0.02 min
 Lab File: VL039003.D
 Acq: 10 May 2022 1:41

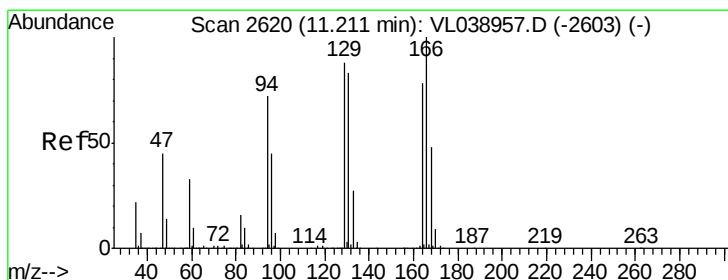
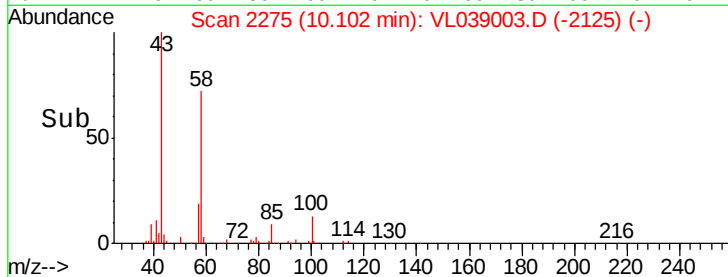
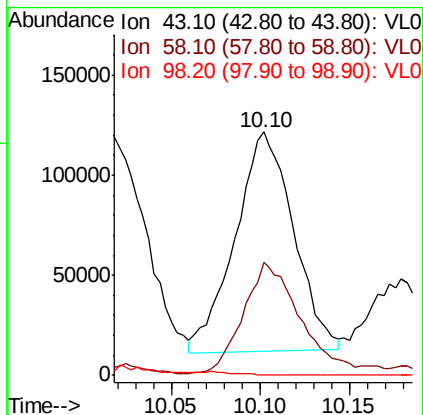
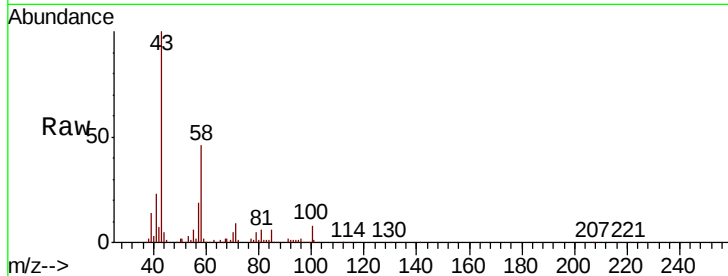
Tgt Ion	43	Resp	864381
Ion Ratio	Lower	Upper	
43	100		
58	37.9	28.4	42.6





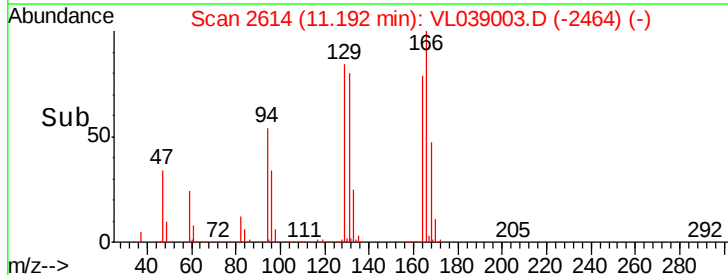
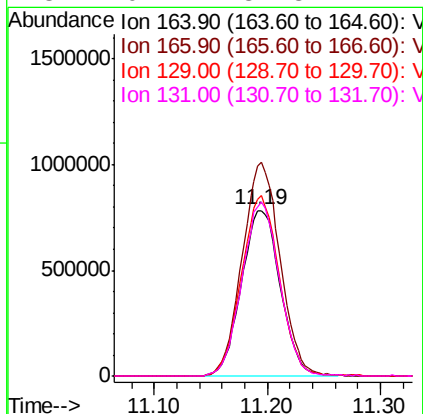
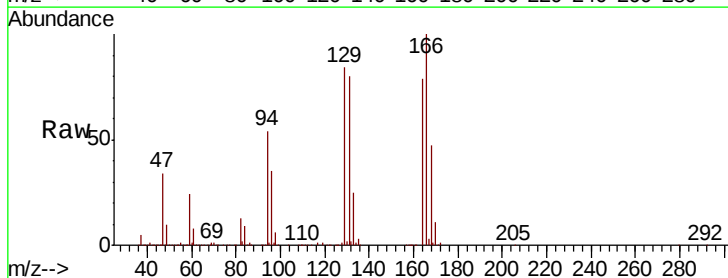
#51
2-Hexanone
Concen: 1.238 ppbv
RT: 10.10 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 May 2022 1:41

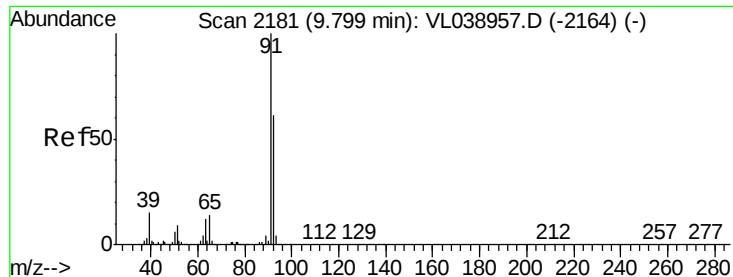
Tot Ion: 43 Resp: 250102
Ion Ratio Lower Upper
43 100
58 54.6 39.3 58.9
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 19.707 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.02 min
Lab File: VL039003.D
Acq: 10 May 2022 1:41

Tgt Ion: 164 Resp: 1864922
Ion Ratio Lower Upper
164 100
166 127.2 102.5 153.7
129 106.7 90.1 135.1
131 102.2 84.8 127.2





#53

Toluene

Concen: 7.477 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

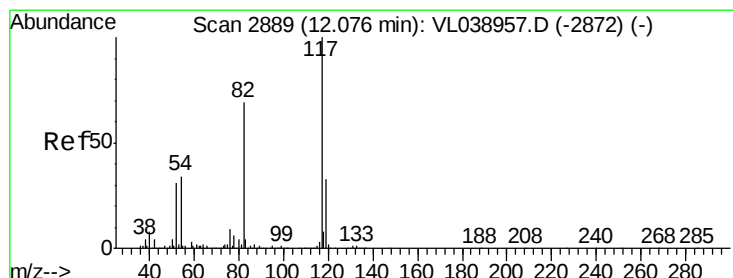
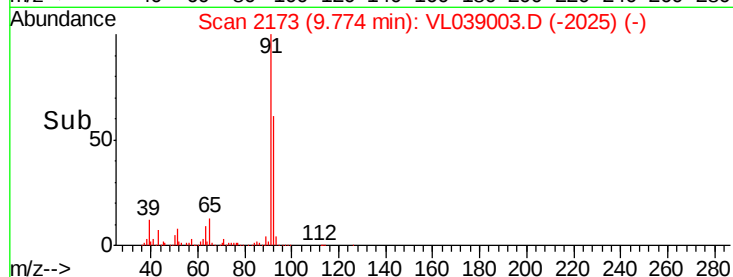
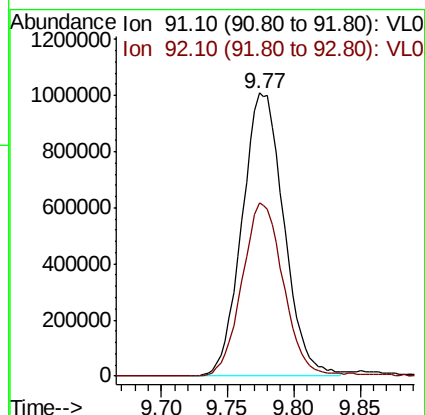
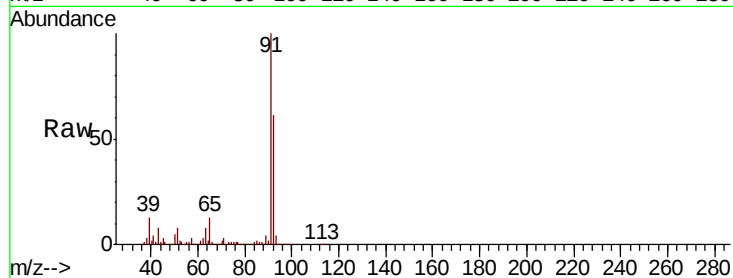
Acq: 10 May 2022 1:41 SV2

Tot Ion: 91 Resp: 2219231

Ion Ratio Lower Upper

91 100

92 61.0 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2882

Delta R.T. -0.02 min

Lab File: VL039003.D

Acq: 10 May 2022 1:41

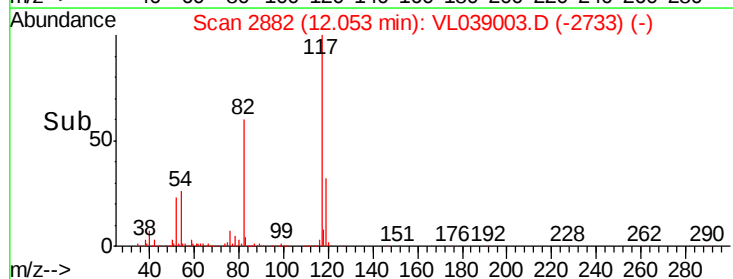
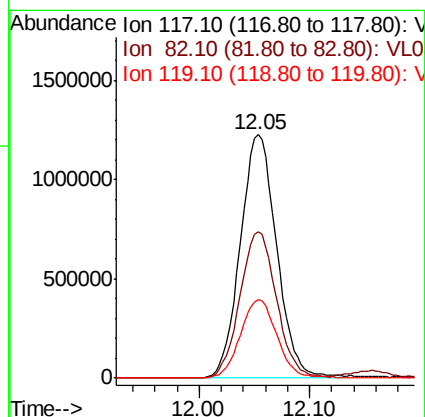
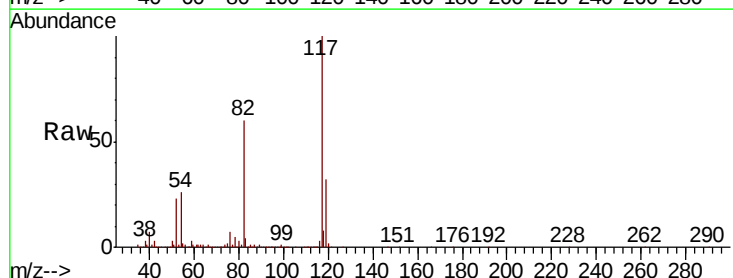
Tgt Ion: 117 Resp: 2806203

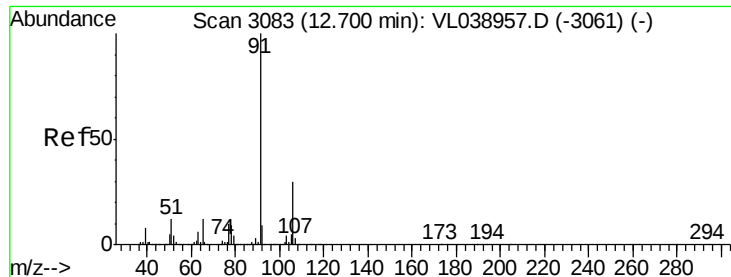
Ion Ratio Lower Upper

117 100

82 60.3 57.0 85.6

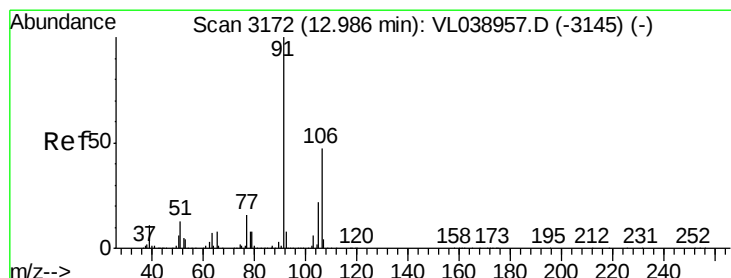
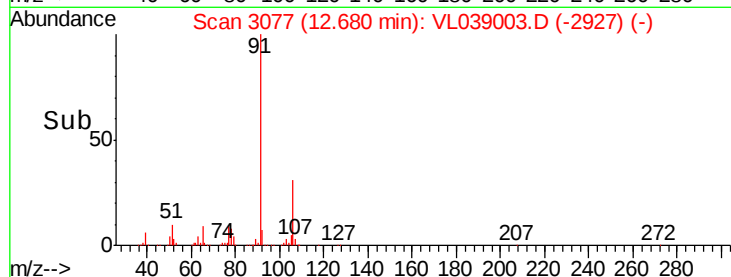
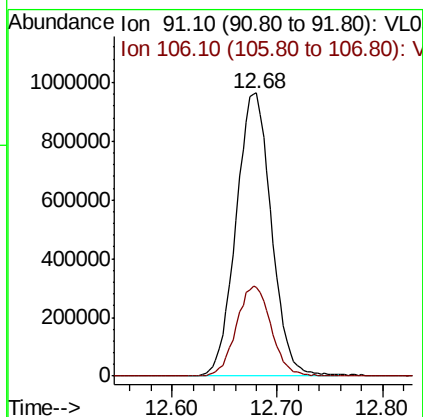
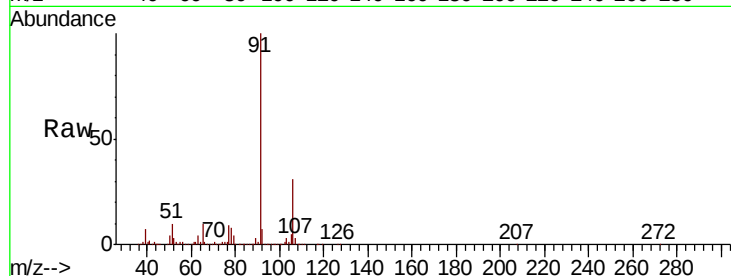
119 32.9 27.2 40.8





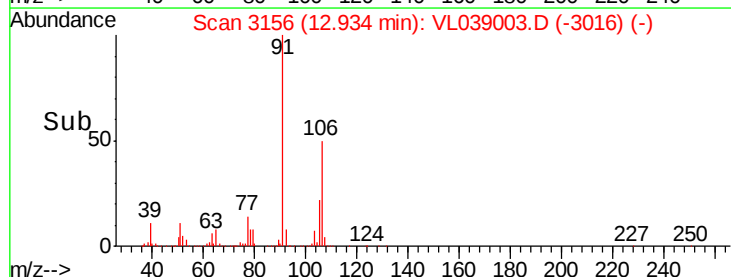
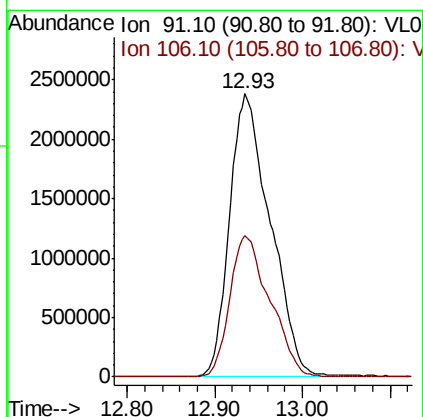
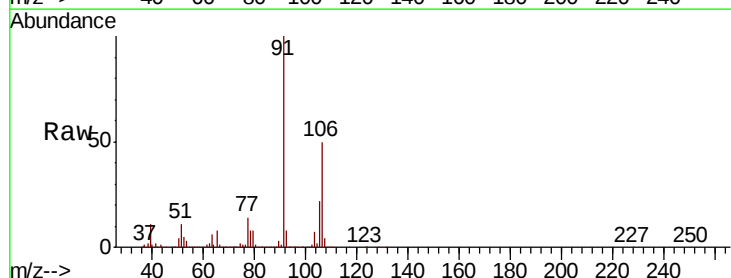
#58
Ethyl Benzene
Concen: 5.533 ppbv
RT: 12.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 May 2022 1:41

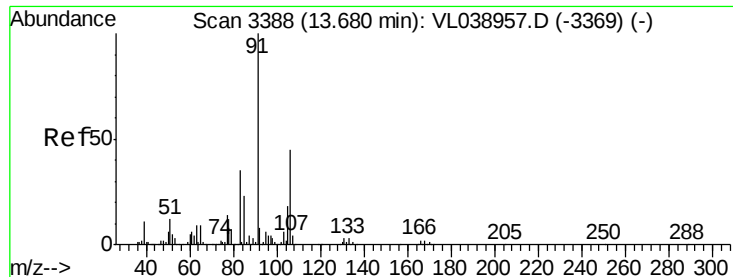
Tot Ion: 91 Resp: 2234373
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4



#59
m/p-Xylene
Concen: 22.200 ppbv
RT: 12.93 min Scan# 3156
Delta R.T. -0.05 min
Lab File: VL039003.D
Acq: 10 May 2022 1:41

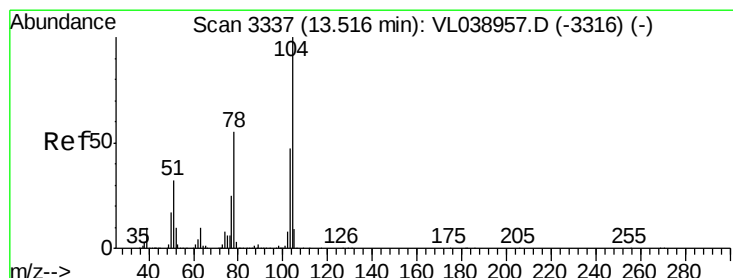
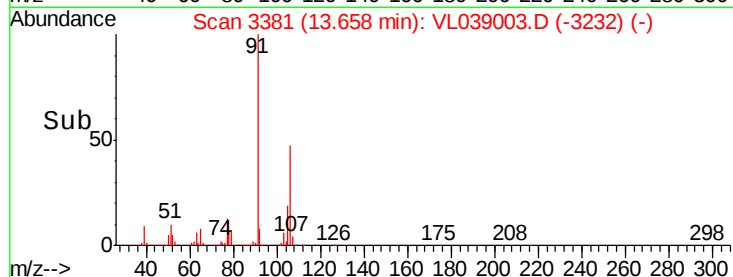
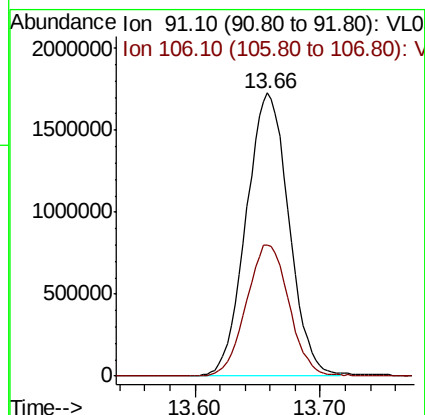
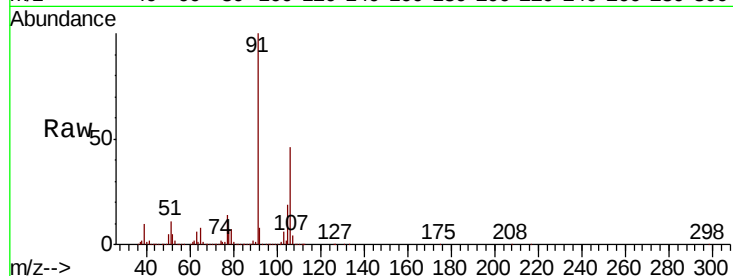
Tgt Ion: 91 Resp: 7653672
Ion Ratio Lower Upper
91 100
106 49.5 34.6 52.0





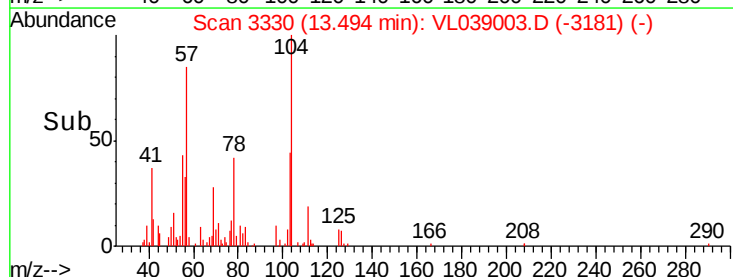
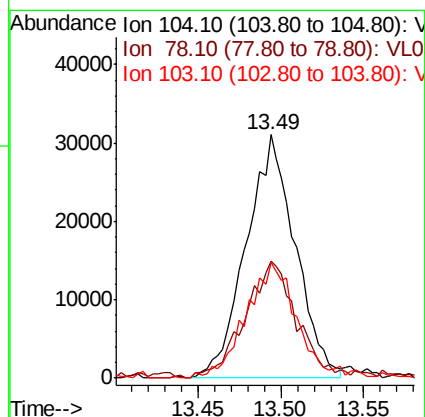
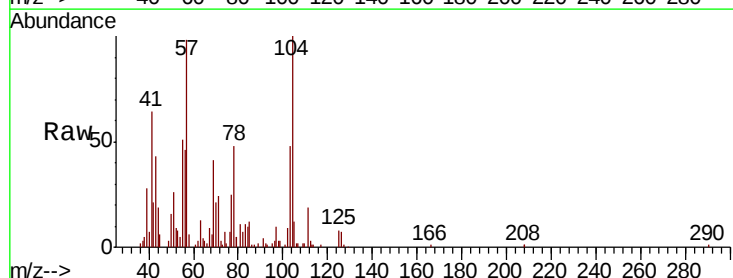
#60
o-Xylene
Concen: 12.545 ppbv
RT: 13.66
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2
Acq: 10 May 2022 1:41

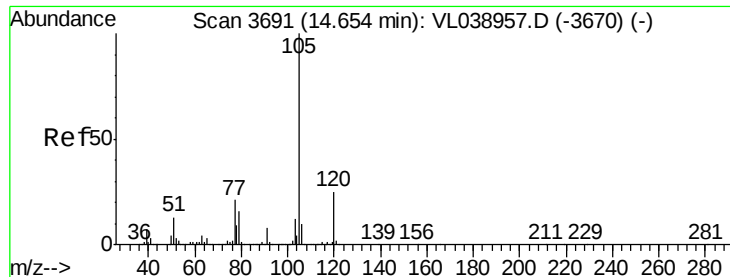
Tot Ion: 91 Resp: 4070818
Ion Ratio Lower Upper
91 100
106 46.7 22.2 66.6



#61
Styrene
Concen: 0.370 ppbv
RT: 13.49 min Scan# 3330
Delta R.T. -0.02 min
Lab File: VL039003.D
Acq: 10 May 2022 1:41

Tgt Ion: 104 Resp: 64105
Ion Ratio Lower Upper
104 100
78 50.5 46.4 69.6
103 50.2 39.3 58.9





#62

Isopropylbenzene

Concen: 0.490 ppbv

RT: 14.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

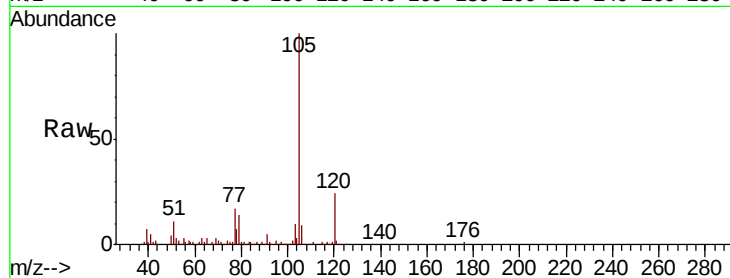
Acq: 10 May 2022 1:41

Tot Ion:105 Resp: 232507

Ion Ratio Lower Upper

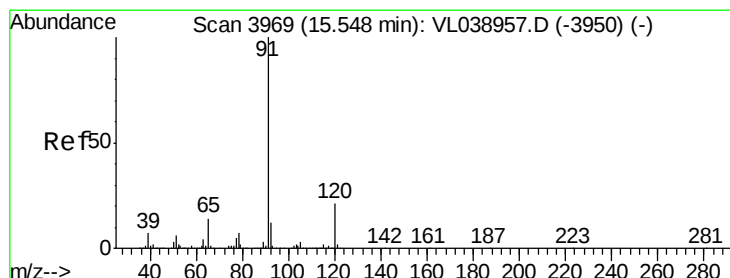
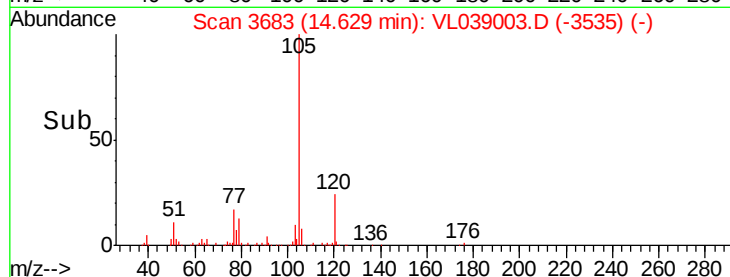
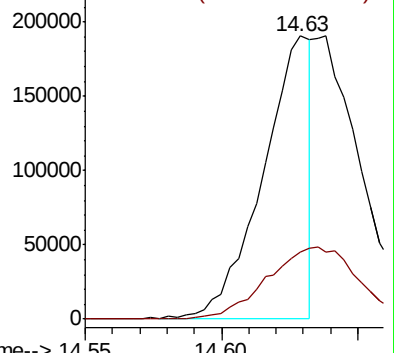
105 100

120 0.0 20.5 30.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 2.763 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. -0.02 min

Lab File: VL039003.D

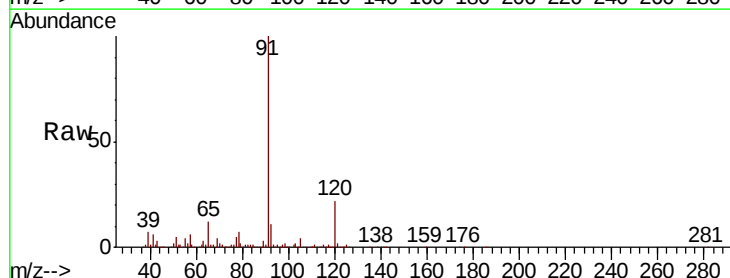
Acq: 10 May 2022 1:41

Tgt Ion:120 Resp: 316953

Ion Ratio Lower Upper

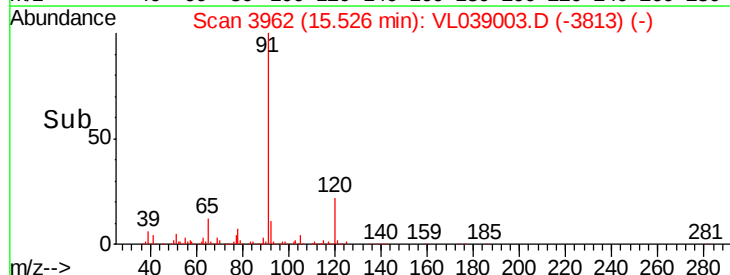
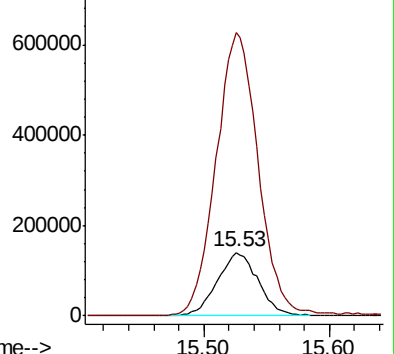
120 100

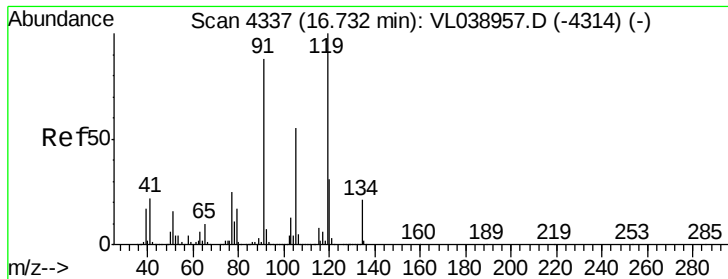
91 461.5 400.6 601.0



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 1.048 ppbv

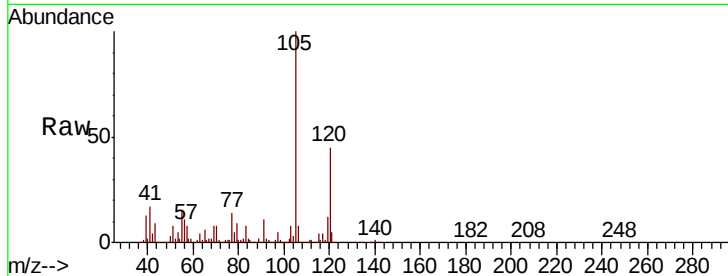
RT: 16.73 min

Delta R.T.

Lab File: SV2

Acq: 10 May 2022 1:41

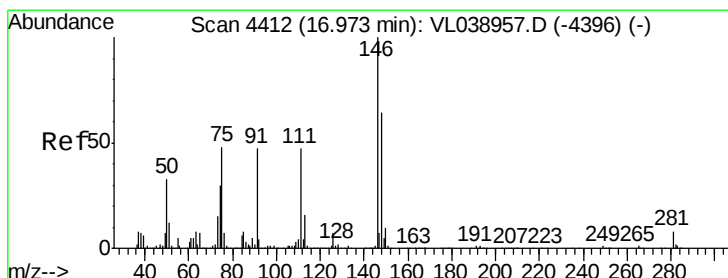
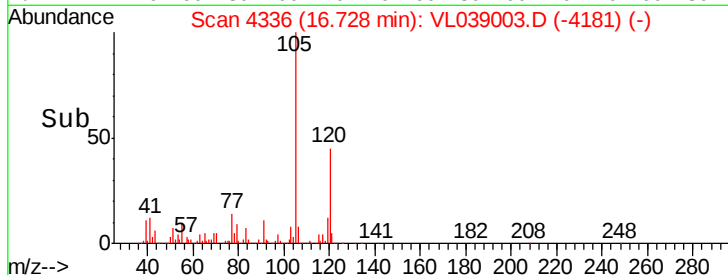
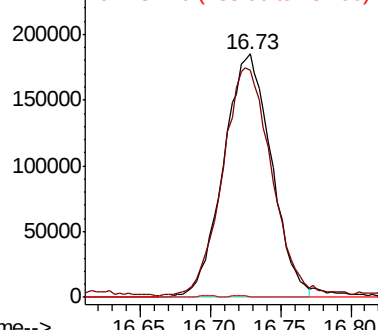
Tot Ion	Ratio	Lower	Upper
119	100		
91	98.0	69.4	104.2
134	0.5	15.8	23.8



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: 7.669 ppbv

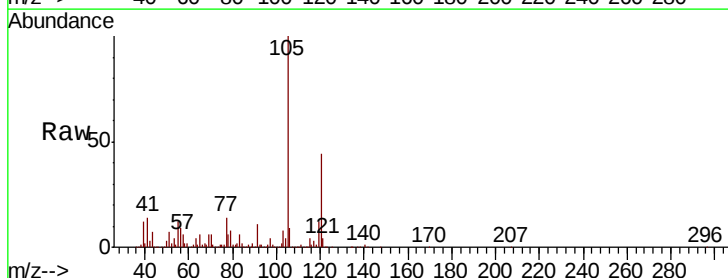
RT: 16.73 min Scan# 4335

Delta R.T. -0.25 min

Lab File: VL039003.D

Acq: 10 May 2022 1:41

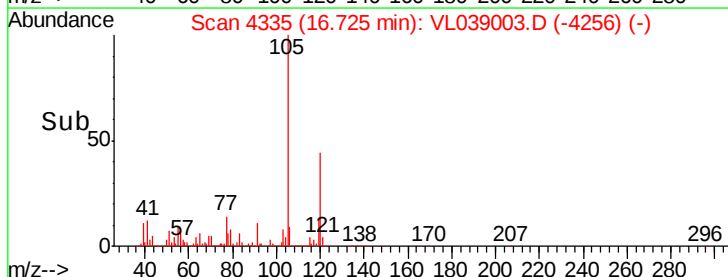
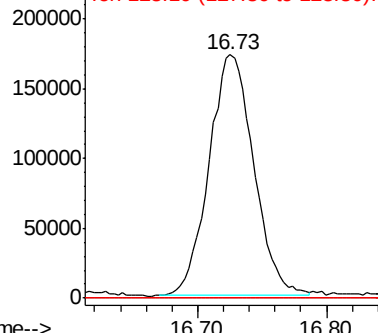
Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.1	11.8	17.6
128	0.0	4.2	6.2

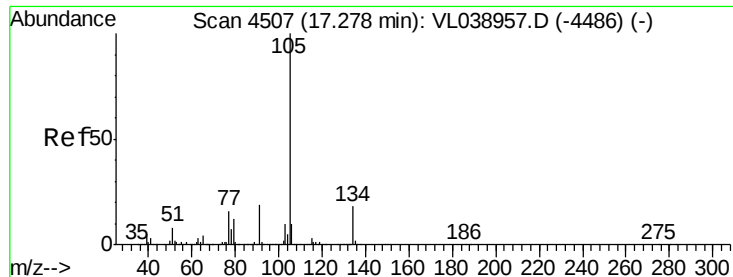


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.223 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

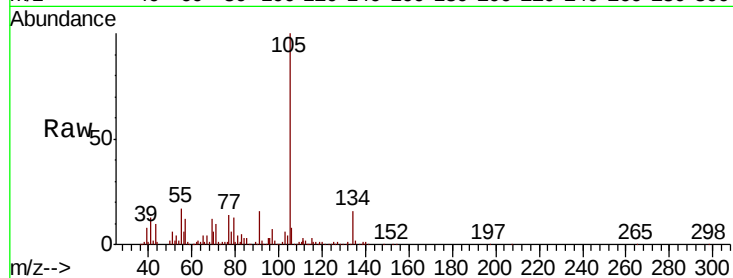
Acq: 10 May 2022 1:41

Tot Ion: 105 Resp: 132330

Ion Ratio Lower Upper

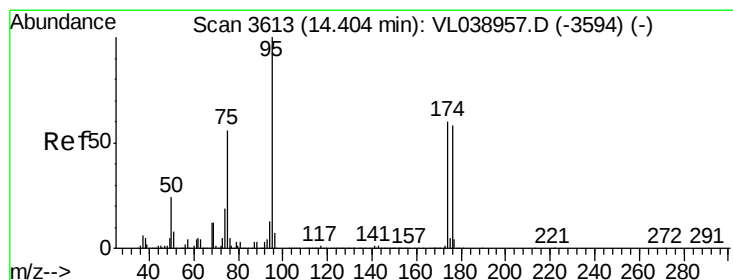
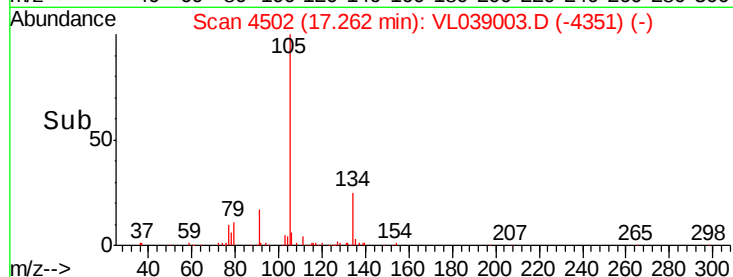
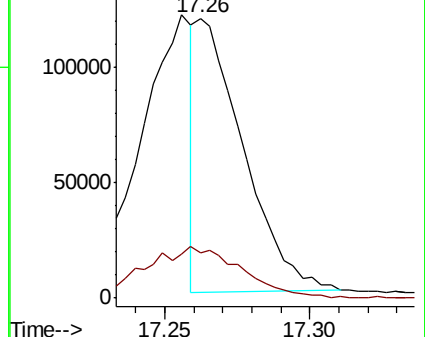
105 100

134 39.7 14.2 21.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.418 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.03 min

Lab File: VL039003.D

Acq: 10 May 2022 1:41

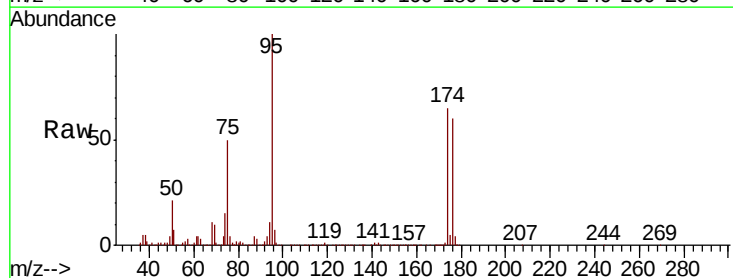
Tgt Ion: 95 Resp: 2092944

Ion Ratio Lower Upper

95 100

174 66.4 50.8 76.2

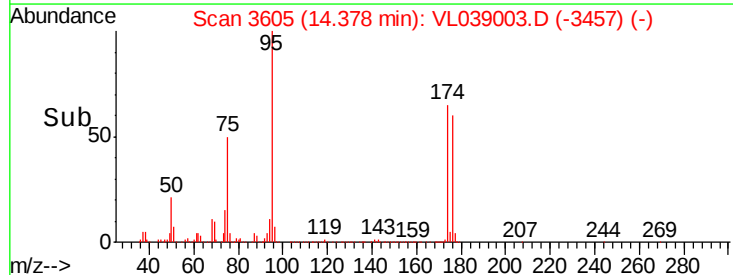
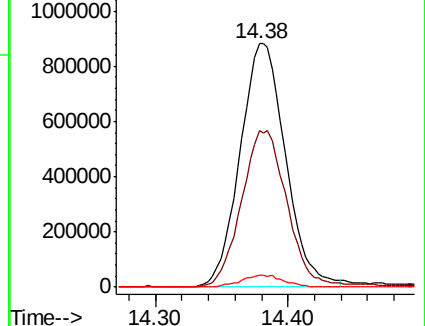
175 5.0 3.8 5.6

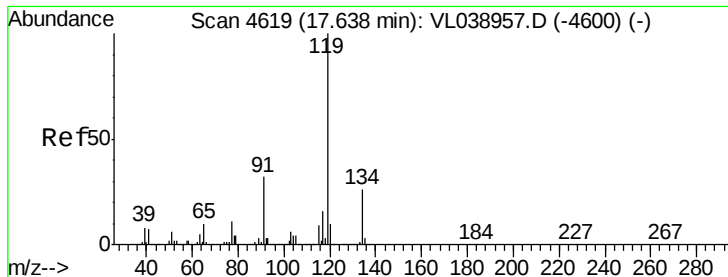


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.404 ppbv

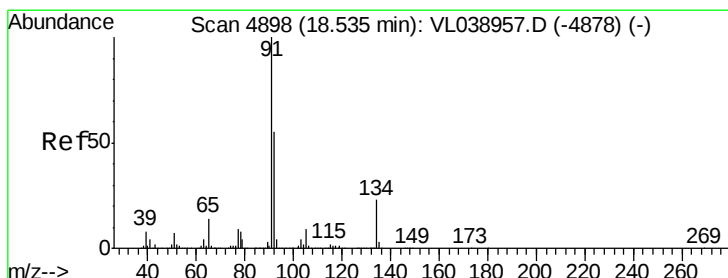
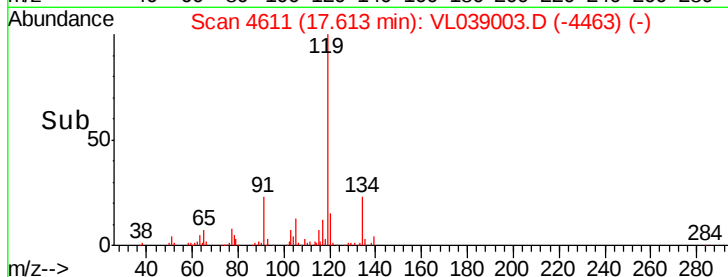
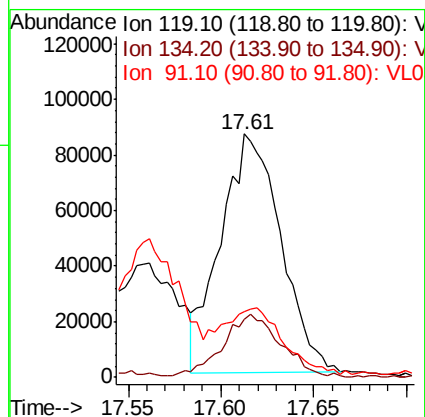
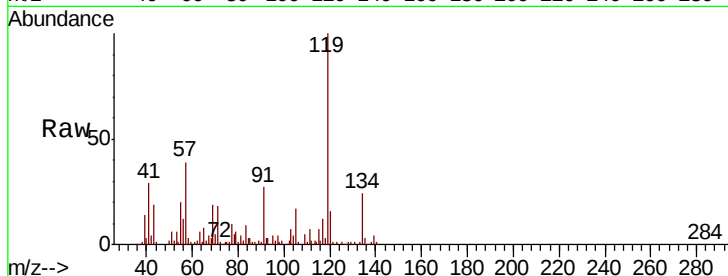
RT: 17.61 min

Delta R.T. MSVOLA

Lab File: ClientSampleId:

Acq: 10 May 2022 1:41

Tot Ion:	119	Resp:	193928
Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.0	30.0
91	30.5	24.8	37.2



#70

n-Butylbenzene

Concen: 0.229 ppbv

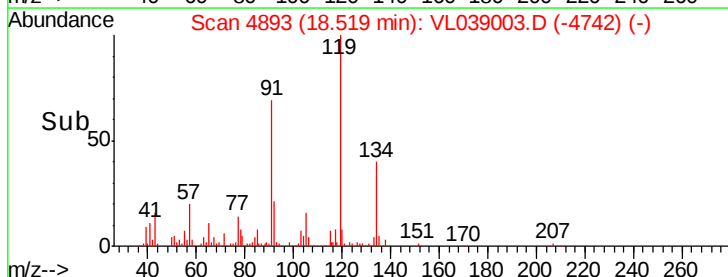
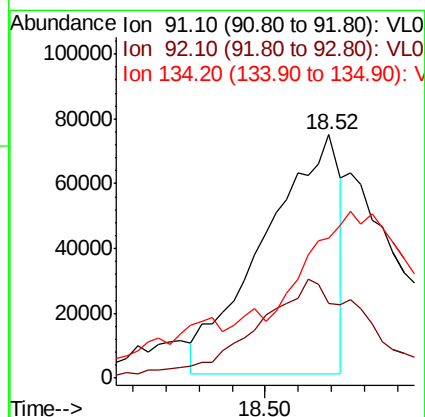
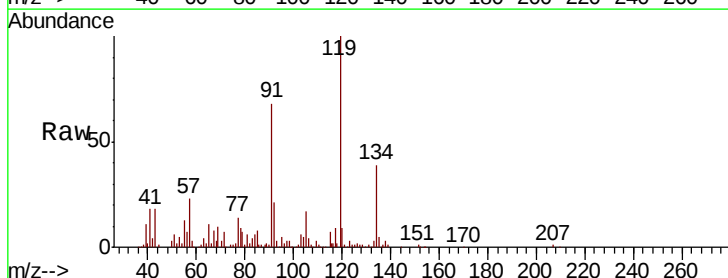
RT: 18.52 min Scan# 4893

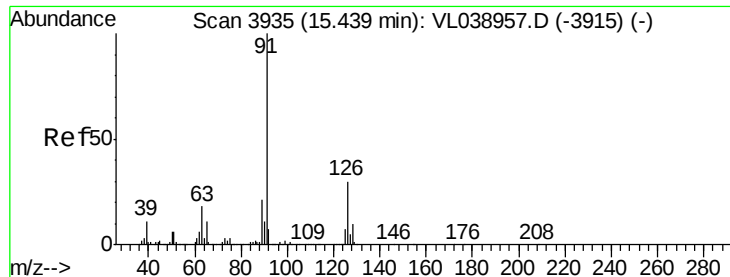
Delta R.T. -0.02 min

Lab File: VL039003.D

Acq: 10 May 2022 1:41

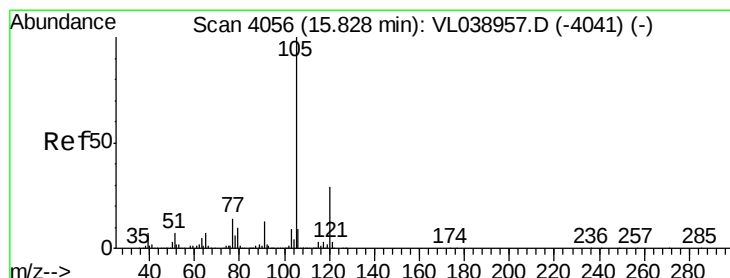
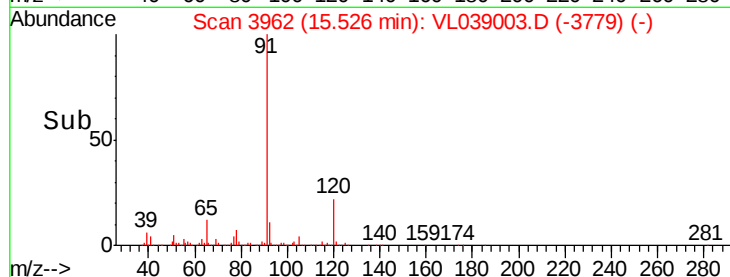
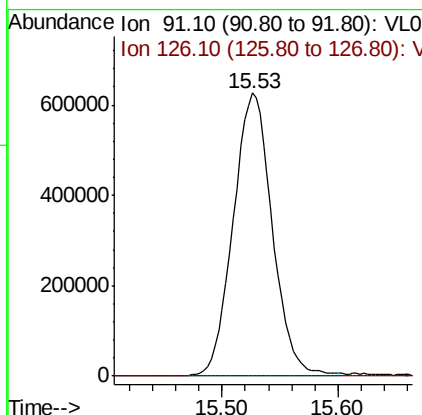
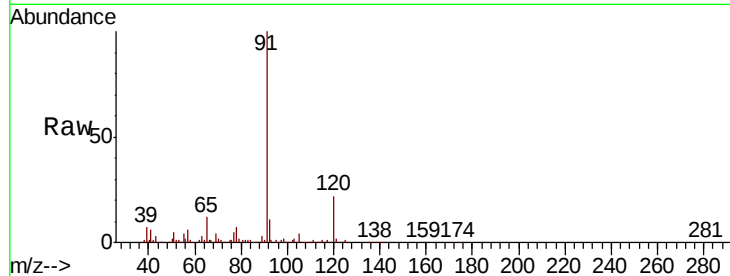
Tgt Ion:	91	Resp:	116804
Ion	Ratio	Lower	Upper
91	100		
92	64.4	43.1	64.7
134	0.0	17.0	25.4#





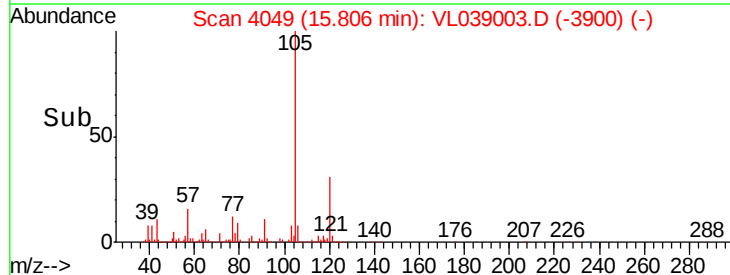
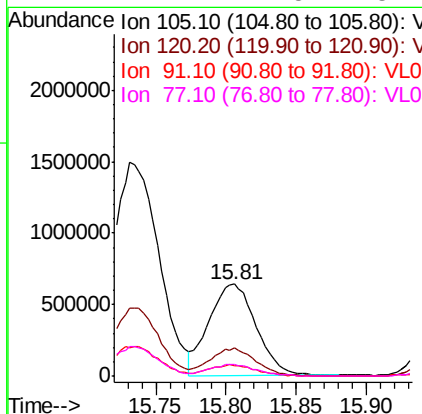
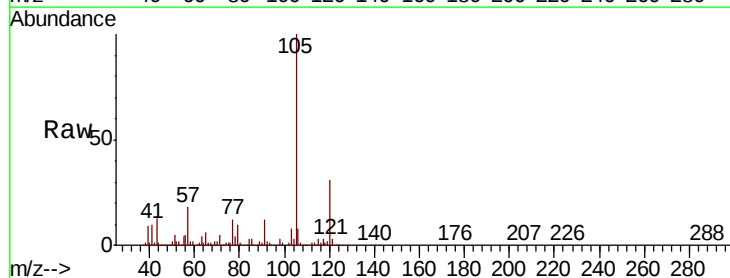
#71
 2-Chlorotoluene
 Concen: 3.959 ppbv
 RT: 15.53
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2
 Acq: 10 May 2022 1:41

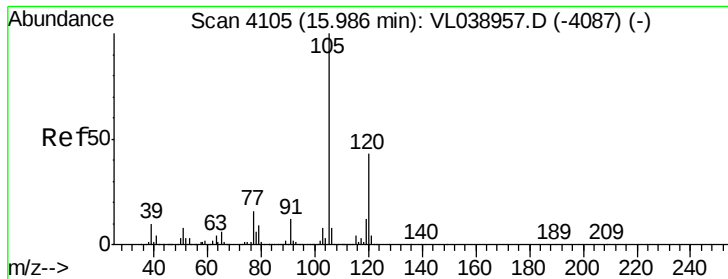
Tot Ion: 91 Resp: 1448430
 Ion Ratio Lower Upper
 91 100
 126 0.2 11.9 47.5#



#72
 4-Ethyltoluene
 Concen: 4.042 ppbv
 RT: 15.81 min Scan# 4049
 Delta R.T. -0.02 min
 Lab File: VL039003.D
 Acq: 10 May 2022 1:41

Tgt Ion:105 Resp: 1494678
 Ion Ratio Lower Upper
 105 100
 120 29.8 23.4 35.0
 91 11.4 10.6 16.0
 77 12.4 12.5 18.7#





#73

1,3,5-Trimethylbenzene

Concen: 5.343 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

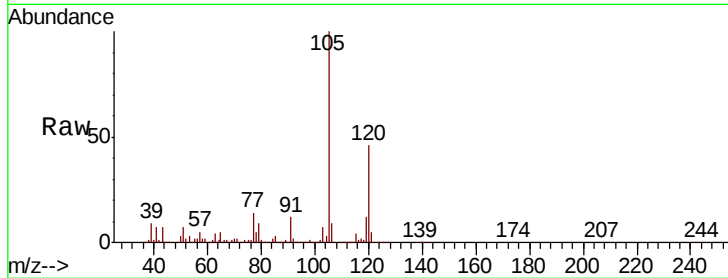
Acq: 10 May 2022 1:41

Tot Ion:105 Resp: 1778585

Ion Ratio Lower Upper

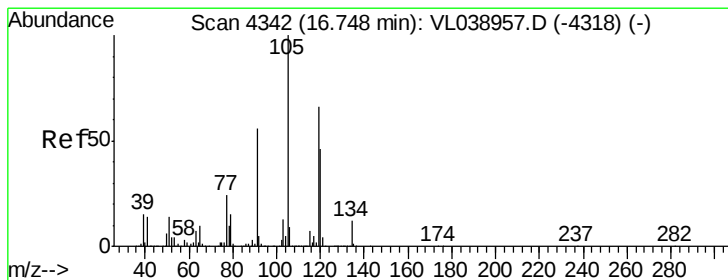
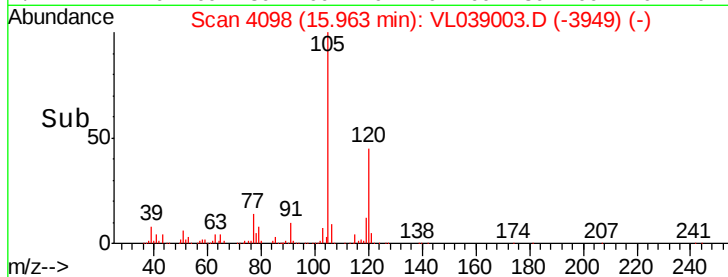
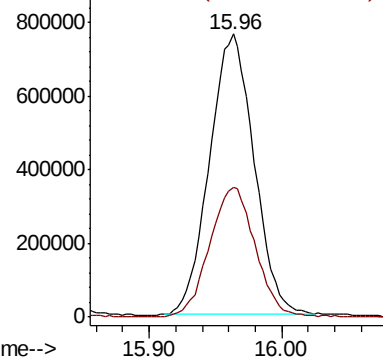
105 100

120 46.0 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: 10.246 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.02 min

Lab File: VL039003.D

Acq: 10 May 2022 1:41

Tgt Ion:105 Resp: 3734319

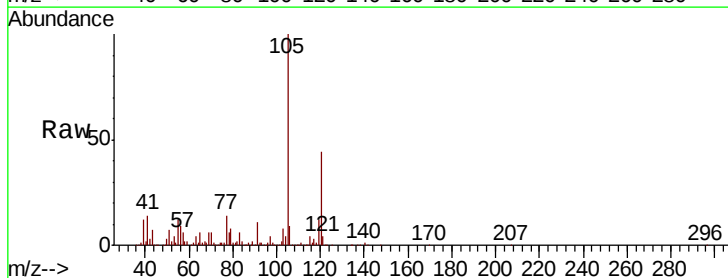
Ion Ratio Lower Upper

105 100

120 44.3 36.9 55.3

91 11.1 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

