

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
 Data File : VL039097.D
 Acq On : 23 May 2022 23:44
 Operator : SY/AP
 Sample : N2956-04DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

Quant Time: May 24 06:02:38 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	1380664	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3563723	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3195346	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2458642	9.72	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	12847	0.059	ppbv	97
3) Chlorodifluoromethane	2.98	51	5230	0.031	ppbv #	84
4) Chloromethane	3.14	50	12158	0.142	ppbv #	82
9) Propene	3.01	41	2205556	29.479	ppbv	90
10) Heptane	8.10	43	984712	5.365	ppbv	98
11) Trichlorofluoromethane	3.94	101	13741	0.074	ppbv	93
13) Ethanol	3.59	45	109769	20.732	ppbv	99
15) Acetone	3.84	43	6120421	46.994	ppbv	96
16) 1,3-Butadiene	3.30	39	869695	11.623	ppbv #	28
17) tert-Butyl alcohol	4.28	59	182832	1.827	ppbv	98
19) Isopropyl Alcohol	3.95	45	385651	6.228	ppbv #	95
20) Methylene Chloride	4.33	84	87978	1.792	ppbv	92
21) Allyl Chloride	4.40	41	4765	0.054	ppbv #	19
23) Vinyl Acetate	5.04	43	73329	0.712	ppbv #	1
25) Ethyl Acetate	5.67	43	223509	0.717	ppbv #	83
26) Hexane	5.67	57	310635	2.243	ppbv #	41
27) Carbon Disulfide	4.54	76	29531	0.224	ppbv #	26
29) Chloroform	5.73	83	9263	0.041	ppbv	91
30) Cyclohexane	7.11	84	8551	0.074	ppbv #	1
34) 2-Butanone	5.22	43	1122537	6.174	ppbv	98
36) Benzene	6.87	78	385554	1.264	ppbv	95
39) 1,2-Dichloropropane	7.16	63	893156	7.527	ppbv #	28
41) Tetrahydrofuran	6.03	42	443534	3.630	ppbv	99
44) 2,2,4-Trimethylpentane	7.84	57	38158	0.071	ppbv #	1
50) 4-Methyl-2-Pentanone	8.73	43	156167	0.490	ppbv	95
51) 2-Hexanone	10.09	43	1336131	5.742	ppbv #	33
52) Tetrachloroethene	11.19	164	30400	0.279	ppbv	88
53) Toluene	9.78	91	532888	1.559	ppbv	99
58) Ethyl Benzene	12.68	91	171710	0.373	ppbv	95
59) m/p-Xylene	12.97	91	129635	0.330	ppbv #	33
60) o-Xylene	13.67	91	261319	0.707	ppbv	99
61) Styrene	13.50	104	7353	0.037	ppbv #	32
62) Isopropylbenzene	14.64	105	26691	0.049	ppbv #	89
63) 1,1,2,2-Tetrachloroethane	13.65	83	13013	0.060	ppbv #	25
64) n-propylbenzene	15.53	120	5190	0.040	ppbv #	1
65) tert-Butylbenzene	16.73	119	72861	0.154	ppbv #	75
69) p-Isopropyltoluene	17.62	119	18042	0.033	ppbv #	78
70) n-Butylbenzene	18.52	91	29047	0.050	ppbv #	44
71) 2-Chlorotoluene	15.28	91	225238	0.541	ppbv #	45
72) 4-Ethyltoluene	15.81	105	166033	0.394	ppbv #	98
73) 1,3,5-Trimethylbenzene	15.96	105	69691	0.184	ppbv	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
Data File : VL039097.D
Acq On : 23 May 2022 23:44
Operator : SY/AP
Sample : N2956-04DL 4X
Misc : 400mL/MSVOA L
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Quant Time: May 24 06:02:38 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)
74) 1,2,4-Trimethylbenzene	16.73	105	645413	1.555	ppbv #	64
79) Naphthalene	22.15	128	36678	0.109	ppbv #	91
80) Naphthalene,2-methyl-	24.94	142	13919	0.136	ppbv	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052322\
Data File : VL039097.D
Acq On : 23 May 2022 23:44
Operator : SY/AP
Sample : N2956-04DL 4X
Misc : 400mL/MSVOA L
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

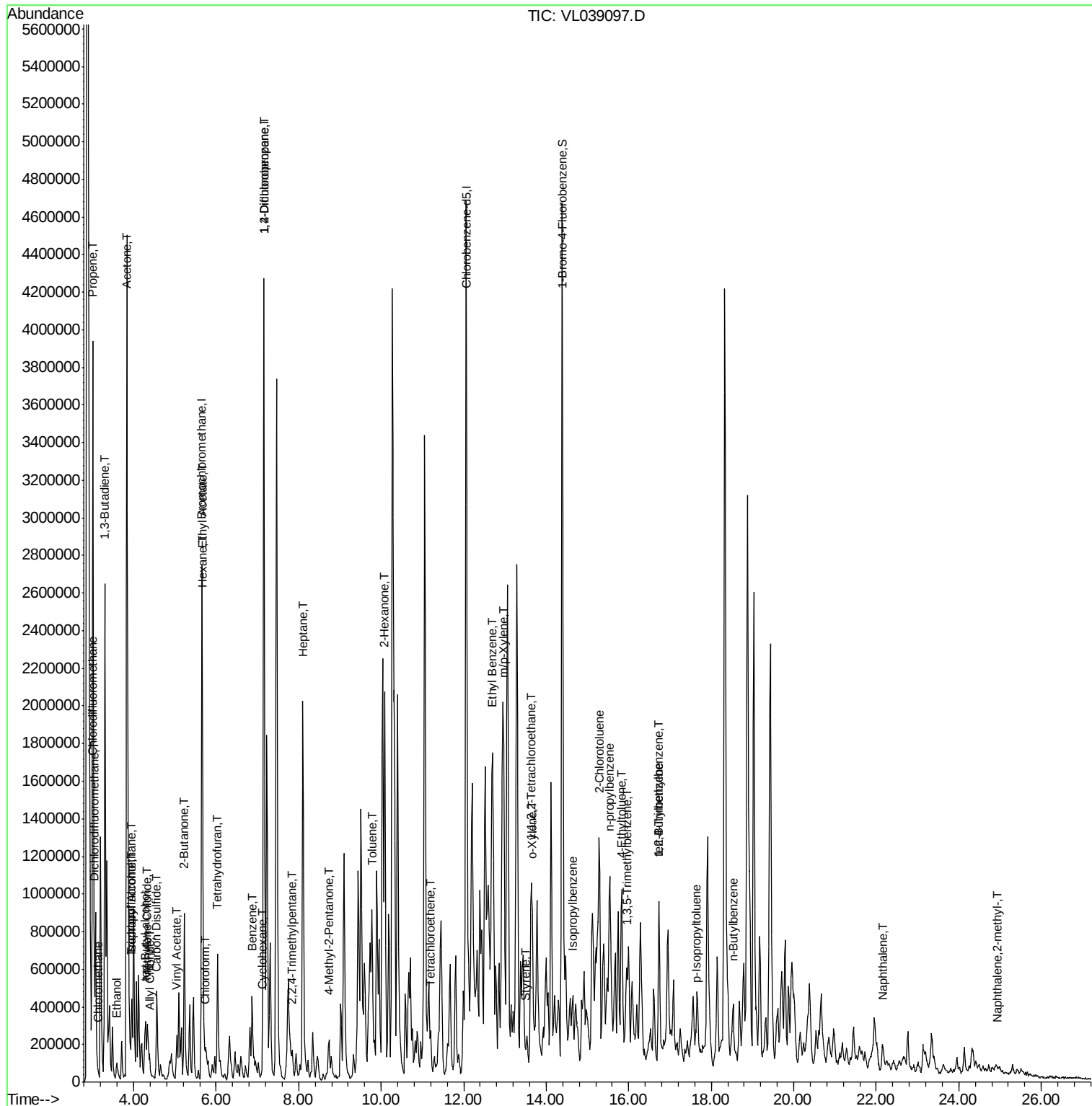
Quant Time: May 24 06:02:38 2022

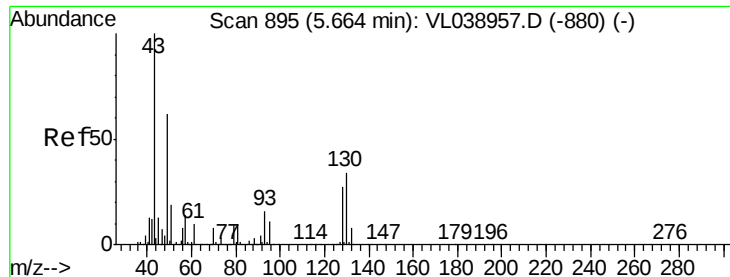
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VP-1DL

Acq: 23 May 2022 23:44

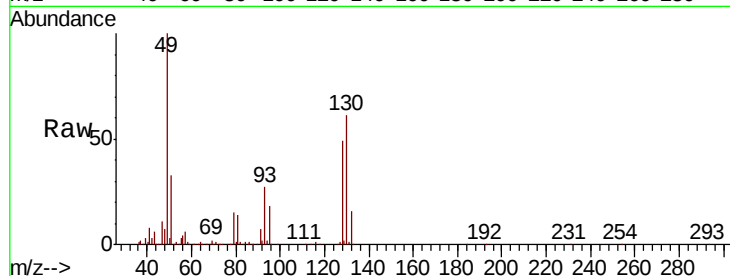
Tot Ion: 49 Resp: 1380664

Ion Ratio Lower Upper

49 100

128 48.6 23.3 69.8

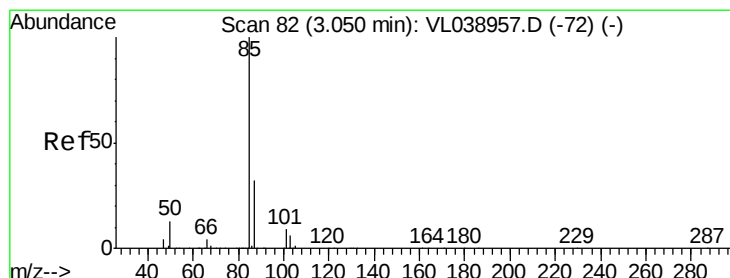
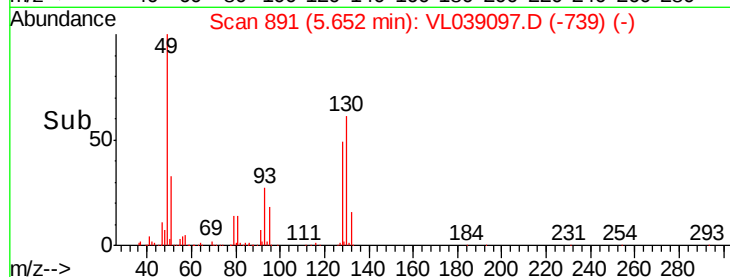
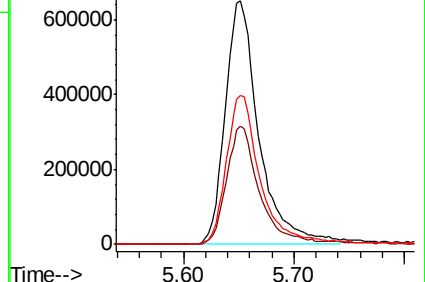
130 62.6 29.8 89.3



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: 0.059 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL039097.D

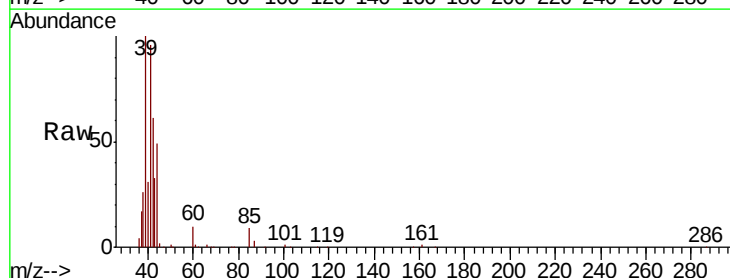
Acq: 23 May 2022 23:44

Tgt Ion: 85 Resp: 12847

Ion Ratio Lower Upper

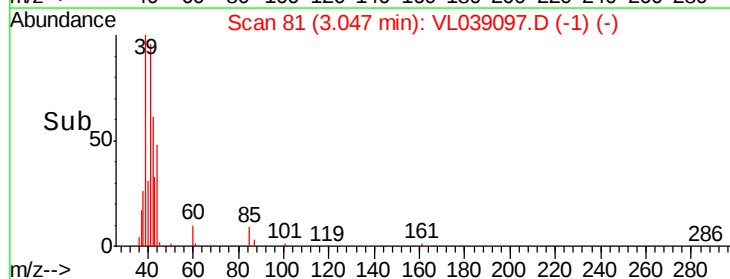
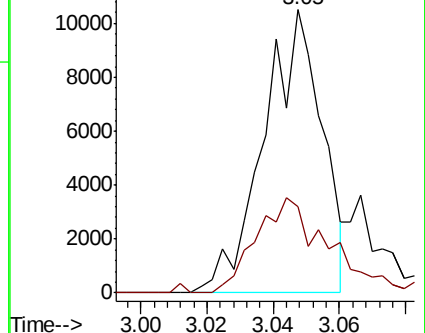
85 100

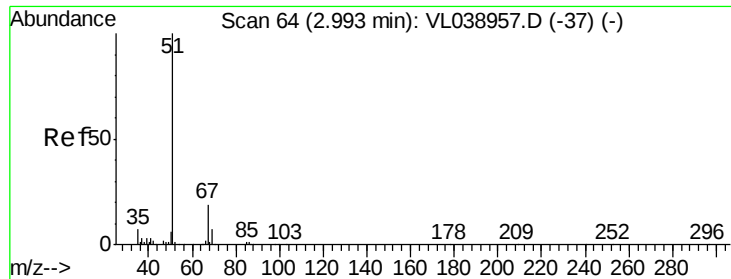
87 30.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.031 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VP-1DL

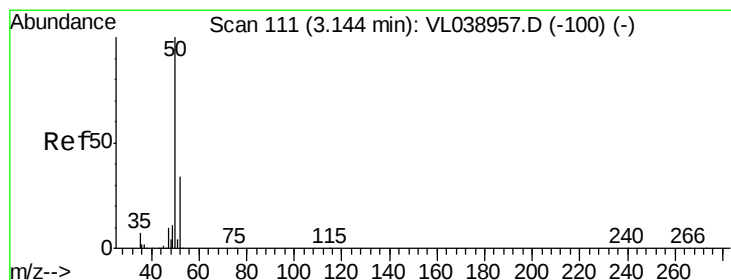
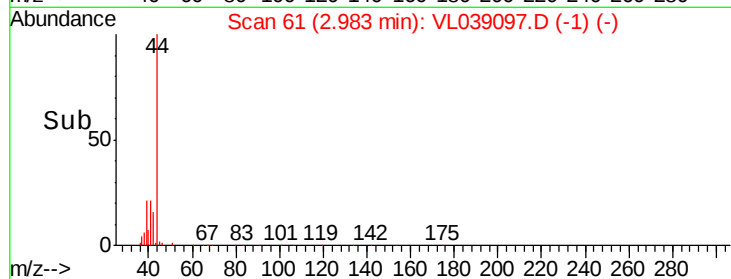
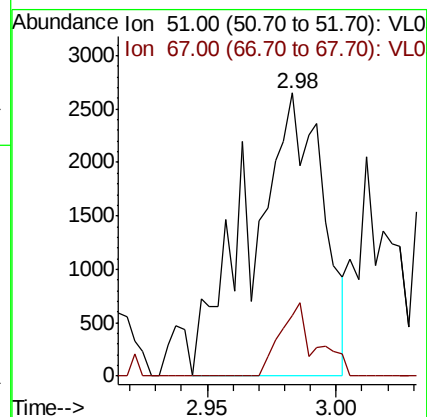
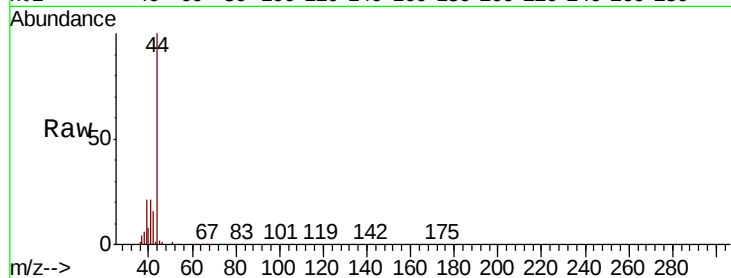
Acq: 23 May 2022 23:44

Tot Ion: 51 Resp: 5230

Ion Ratio Lower Upper

51 100

67 12.5 15.8 23.8#



#4

Chloromethane

Concen: 0.142 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL039097.D

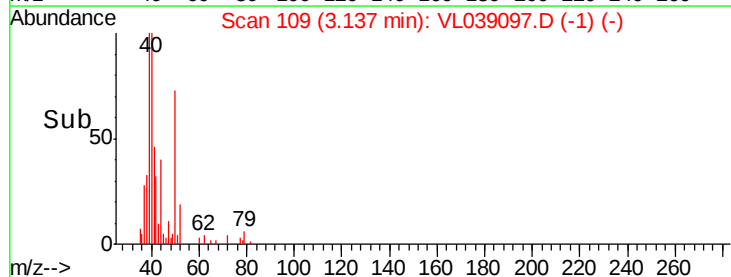
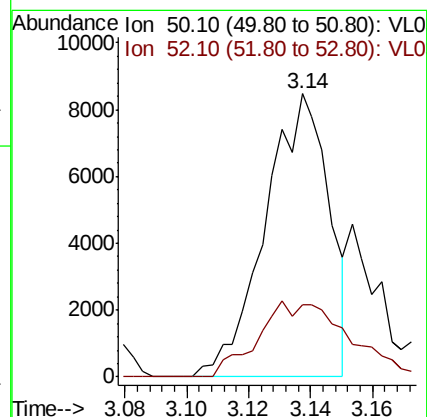
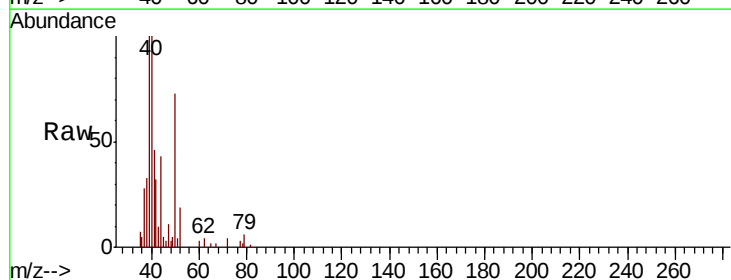
Acq: 23 May 2022 23:44

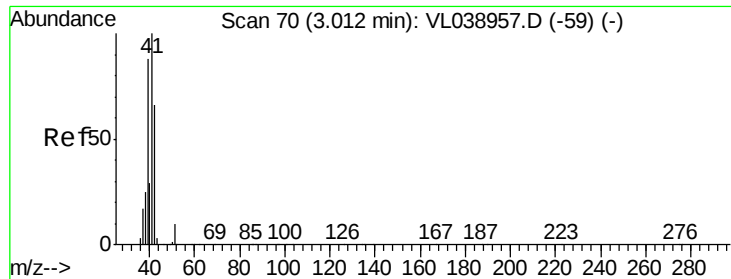
Tgt Ion: 50 Resp: 12158

Ion Ratio Lower Upper

50 100

52 24.0 27.3 40.9#





#9

Propene

Concen: 29.479 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

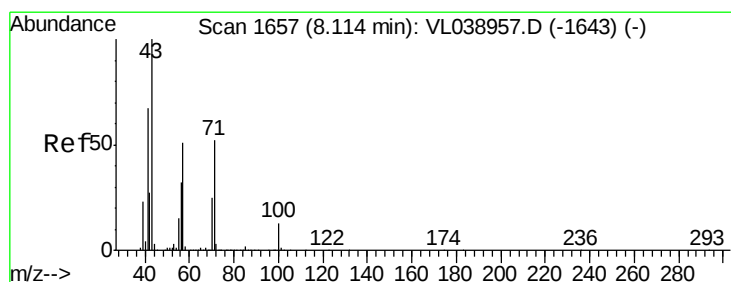
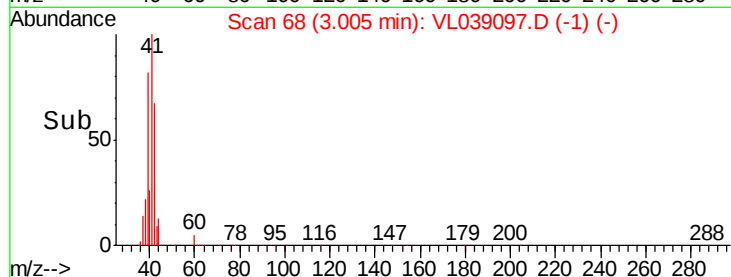
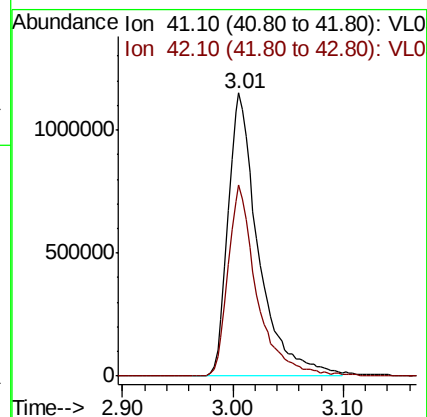
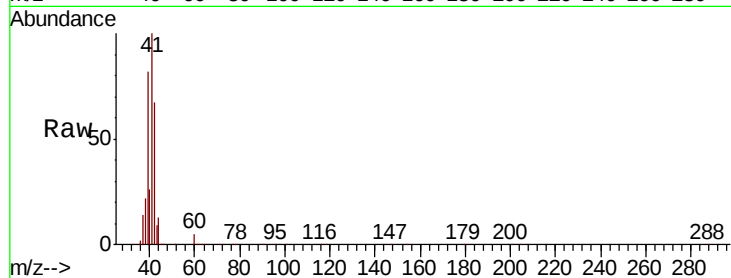
Acq: 23 May 2022 23:44

Tot Ion: 41 Resp: 2205556

Ion Ratio Lower Upper

41 100

42 64.5 58.3 87.5



#10

Heptane

Concen: 5.365 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VL039097.D

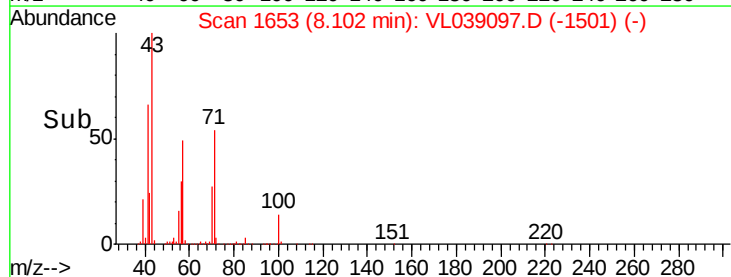
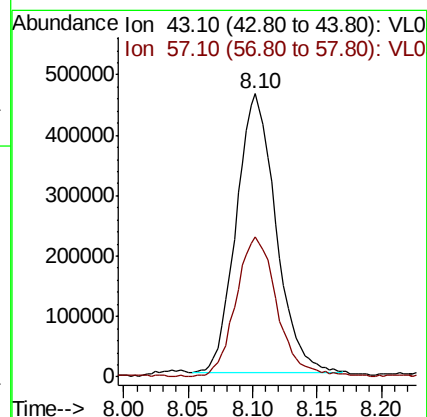
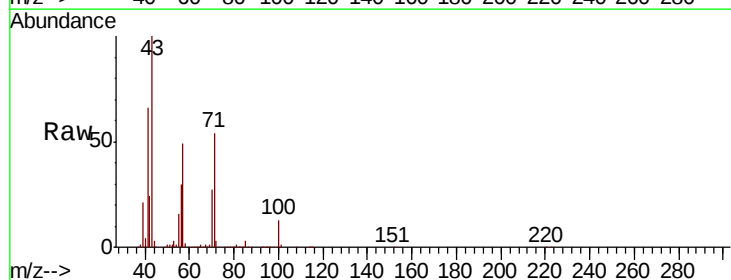
Acq: 23 May 2022 23:44

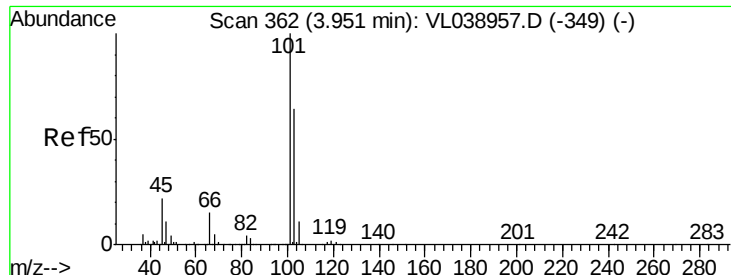
Tgt Ion: 43 Resp: 984712

Ion Ratio Lower Upper

43 100

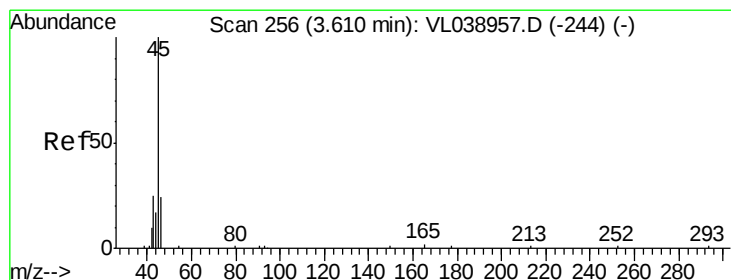
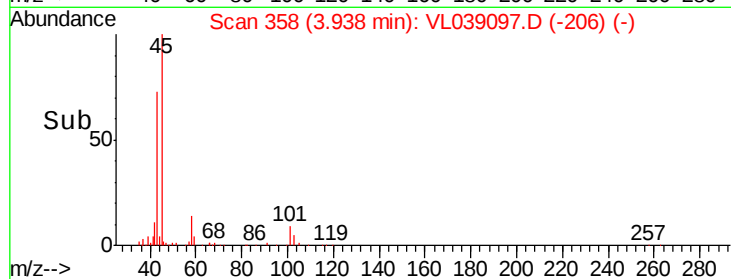
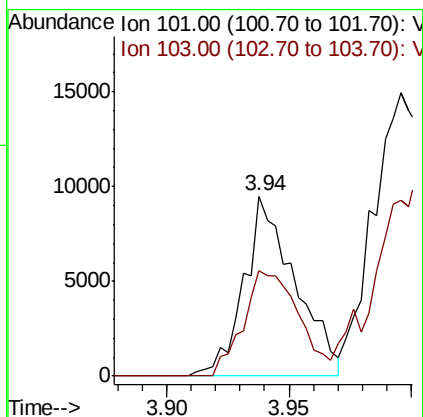
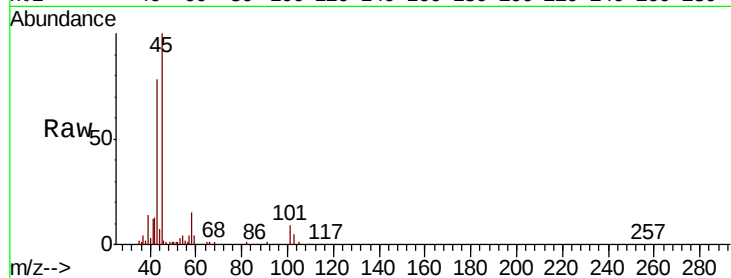
57 51.8 40.5 60.7





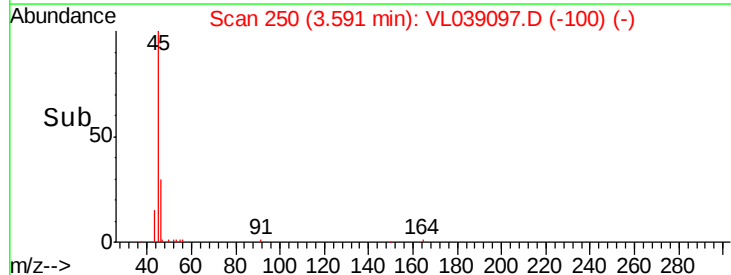
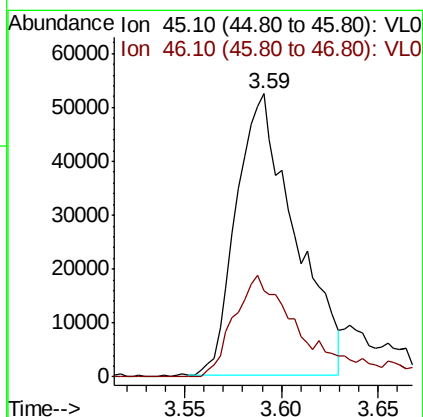
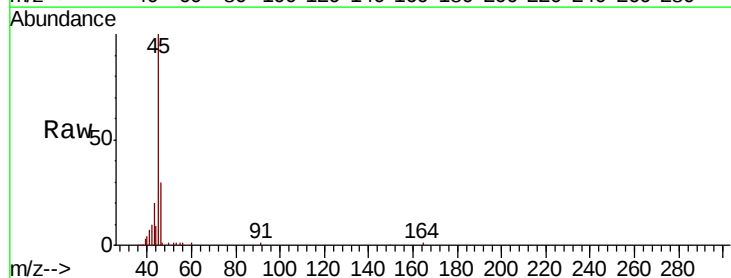
#11
 Trichlorofluoromethane
 Concen: 0.074 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 May 2022 23:44

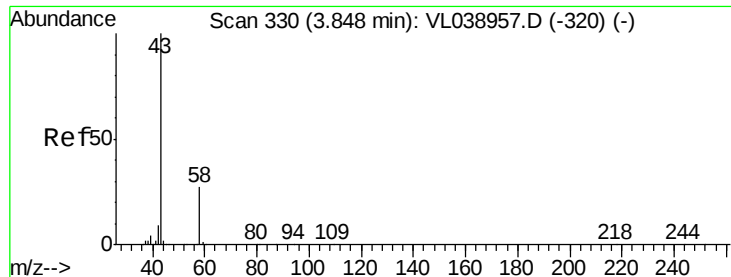
Tot Ion: 101 Resp: 13741
 Ion Ratio Lower Upper
 101 100
 103 58.6 51.5 77.3



#13
 Ethanol
 Concen: 20.732 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.02 min
 Lab File: VL039097.D
 Acq: 23 May 2022 23:44

Tgt Ion: 45 Resp: 109769
 Ion Ratio Lower Upper
 45 100
 46 44.7 18.0 72.2





#15

Acetone

Concen: 46.994 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

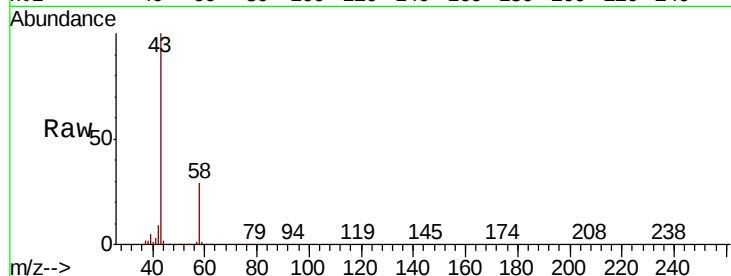
Acq: 23 May 2022 23:44

Tot Ion: 43 Resp: 6120421

Ion Ratio Lower Upper

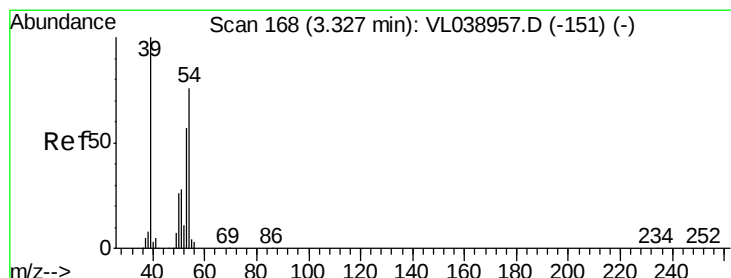
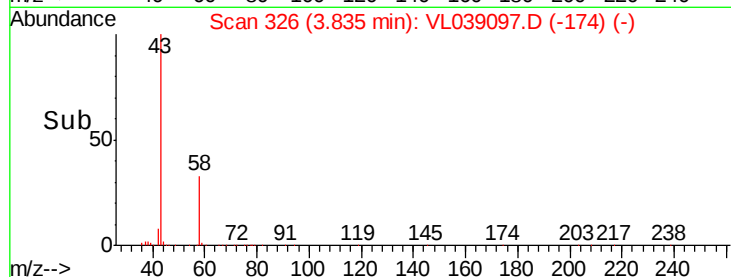
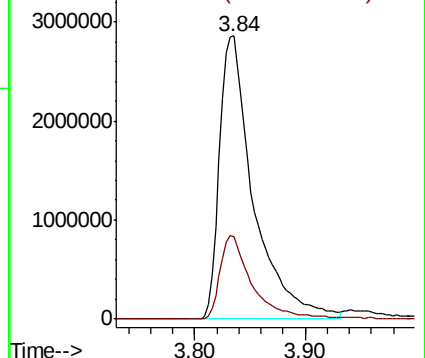
43 100

58 28.5 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 11.623 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.03 min

Lab File: VL039097.D

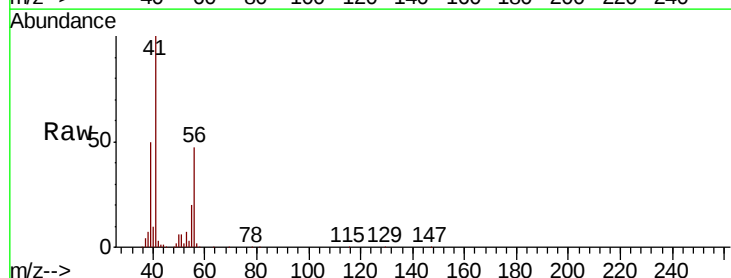
Acq: 23 May 2022 23:44

Tgt Ion: 39 Resp: 869695

Ion Ratio Lower Upper

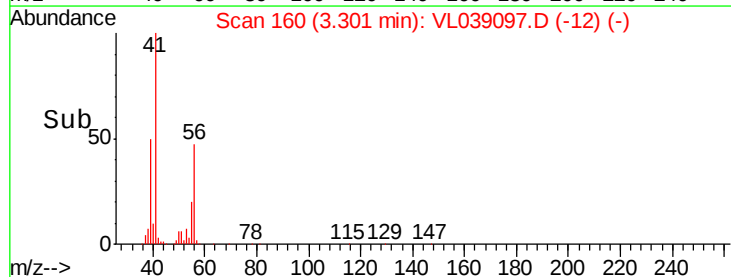
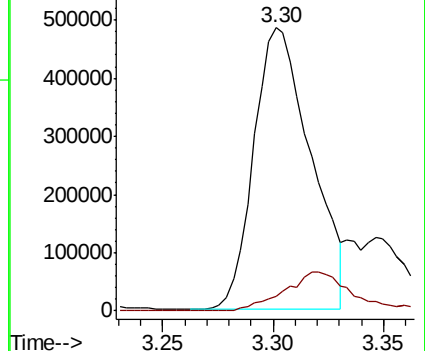
39 100

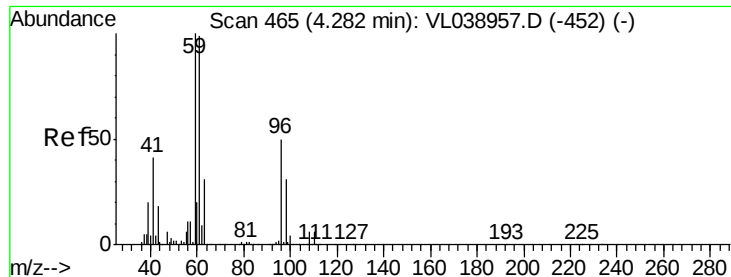
54 17.0 65.2 97.8#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 1.827 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VP-1DL

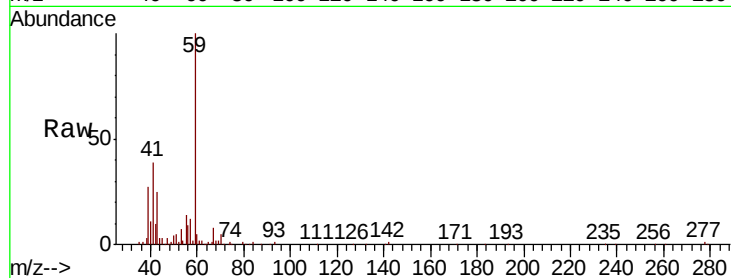
Acq: 23 May 2022 23:44

Tot Ion: 59 Resp: 182832

Ion Ratio Lower Upper

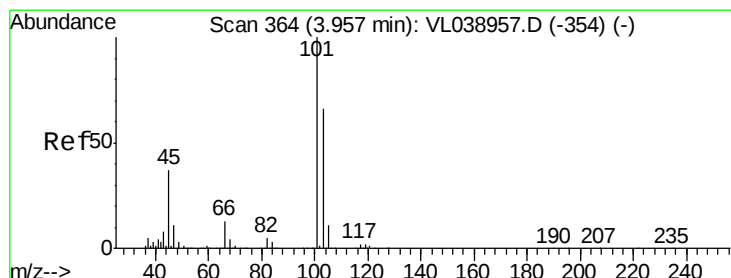
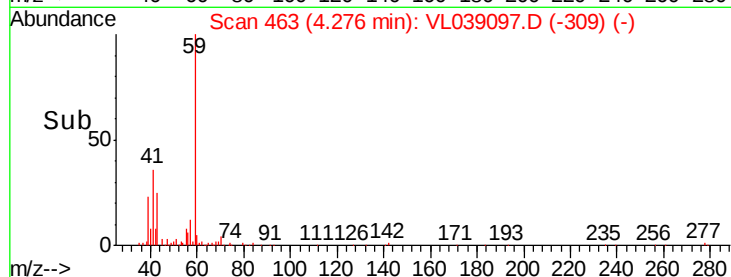
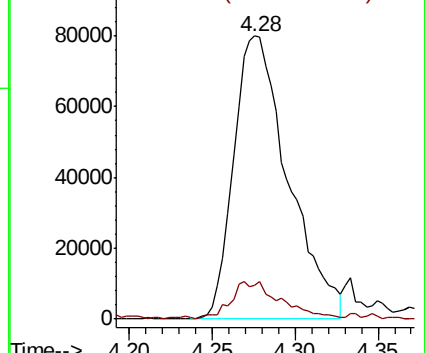
59 100

57 12.4 9.2 13.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 6.228 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL039097.D

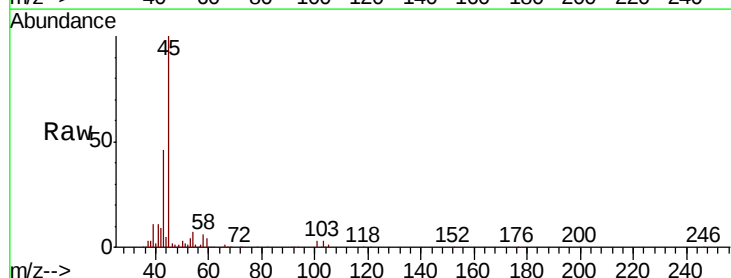
Acq: 23 May 2022 23:44

Tgt Ion: 45 Resp: 385651

Ion Ratio Lower Upper

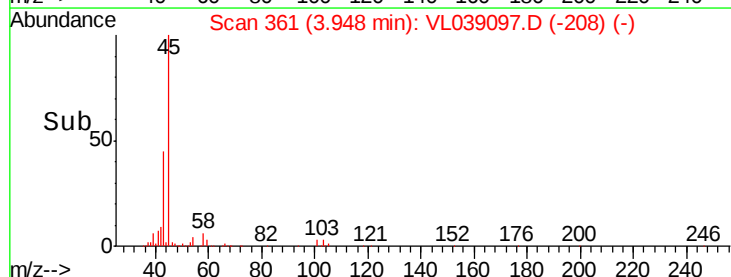
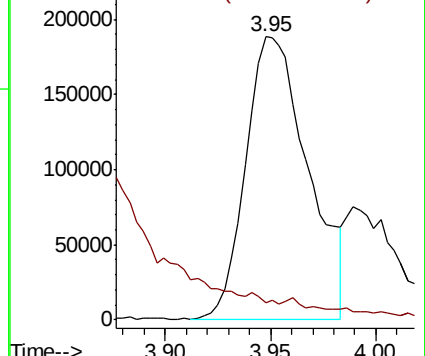
45 100

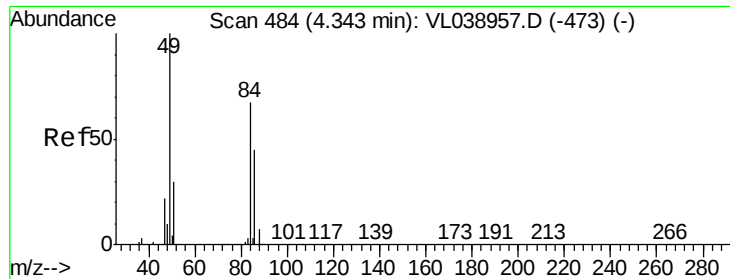
58 0.0 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

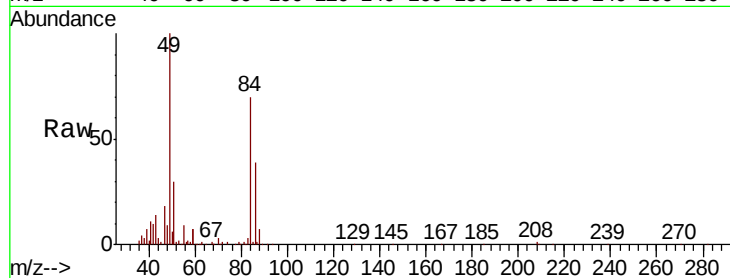
Ion 58.10 (57.80 to 58.80): VL0



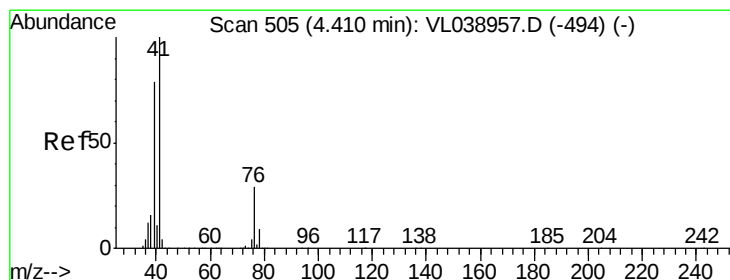
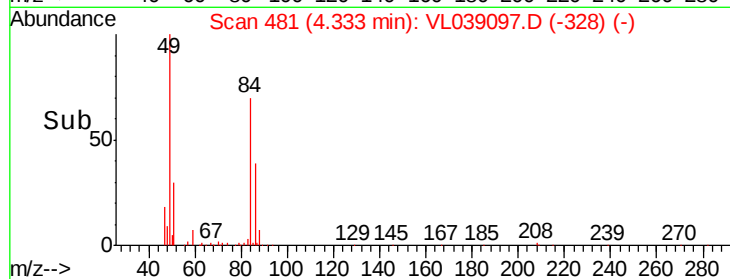
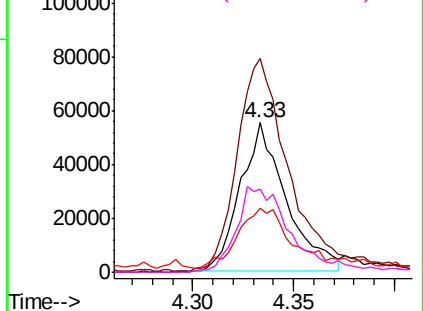


#20
Methvlene Chloride
Concen: 1.792 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 May 2022 23:44

Tot Ion:	84	Resp:	87978
Ion	Ratio	Lower	Upper
84	100		
49	143.7	119.9	179.9
51	39.2	35.7	53.5
86	56.3	53.8	80.6

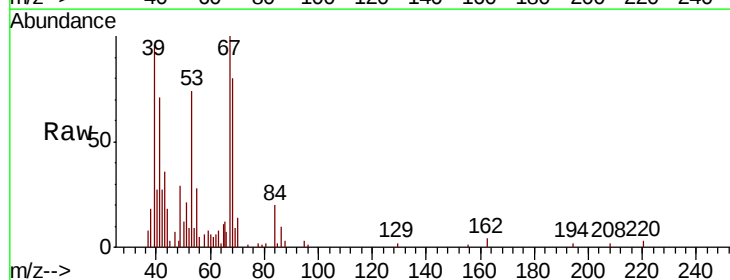


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

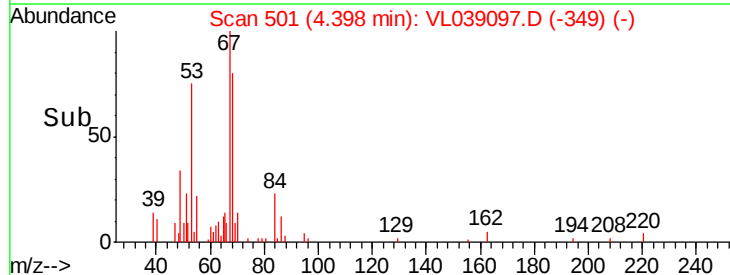
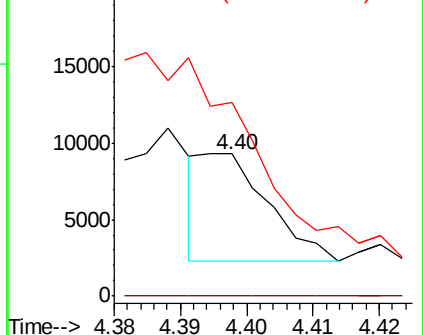


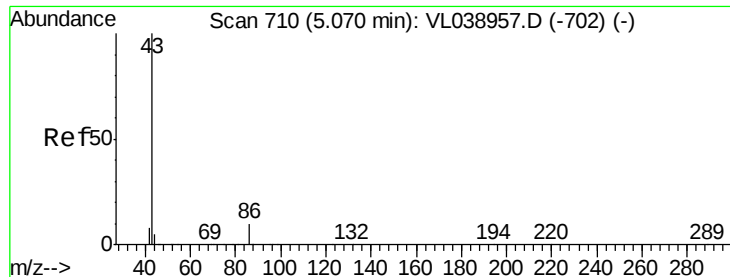
#21
Allyl Chloride
Concen: 0.054 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL039097.D
Acq: 23 May 2022 23:44

Tgt Ion:	41	Resp:	4765
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.4#
39	0.0	63.8	95.8#



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





#23

Vinyl Acetate

Concen: 0.712 ppbv

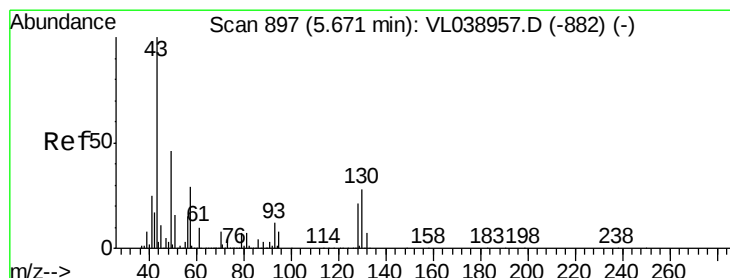
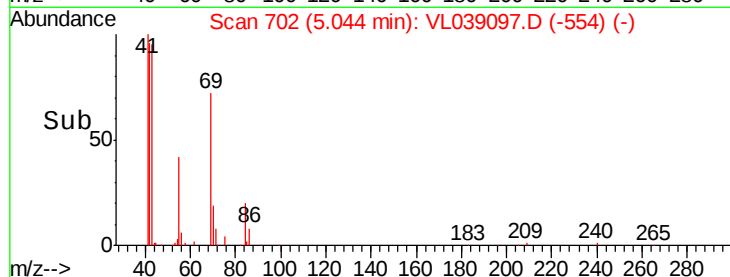
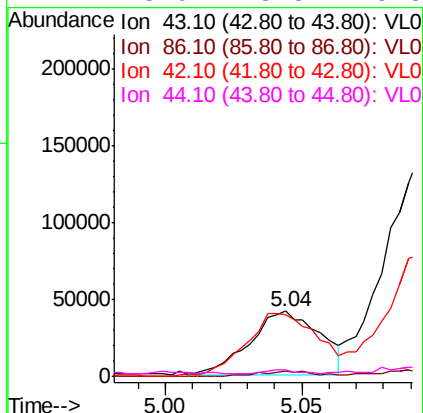
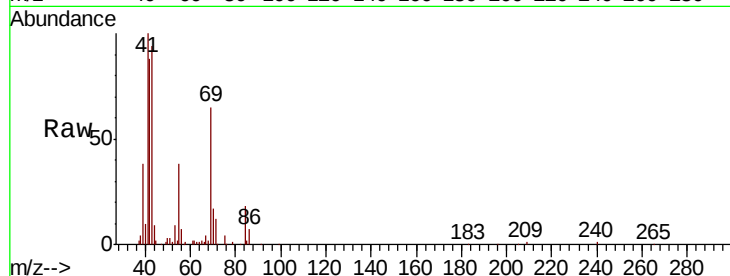
RT: 5.04 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 May 2022 23:44

Tot Ion:	43	Resp:	73329
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.6	9.8
42	92.6	8.1	12.1#
44	3.0	3.5	5.3#



#25

Ethyl Acetate

Concen: 0.717 ppbv

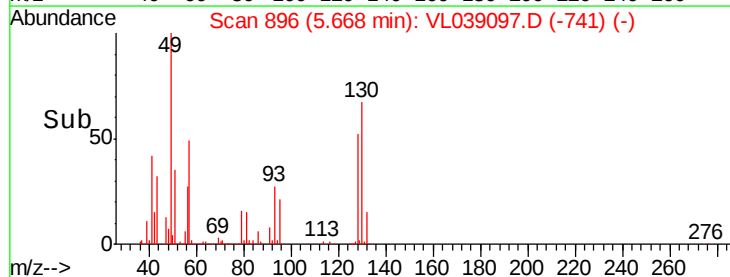
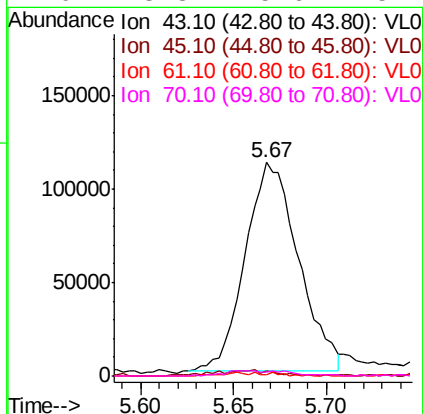
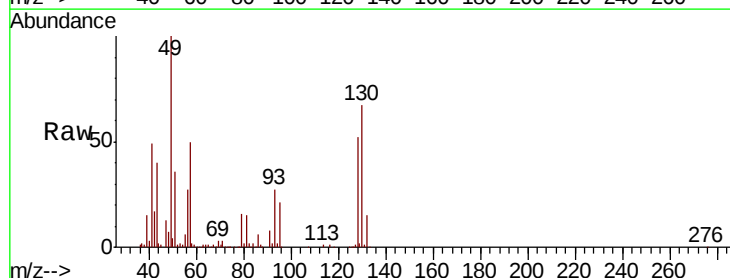
RT: 5.67 min Scan# 896

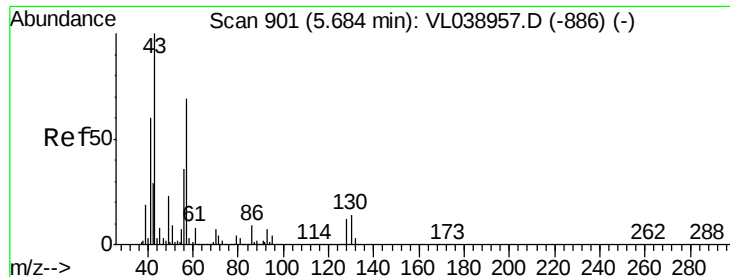
Delta R.T. -0.00 min

Lab File: VL039097.D

Acq: 23 May 2022 23:44

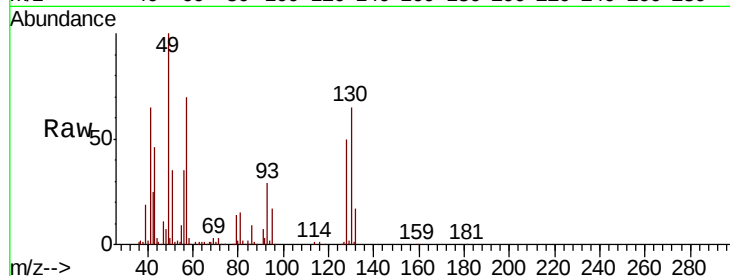
Tgt Ion:	43	Resp:	223509
Ion	Ratio	Lower	Upper
43	100		
45	3.6	8.1	12.1#
61	1.6	7.8	11.6#
70	3.3	5.6	8.4#



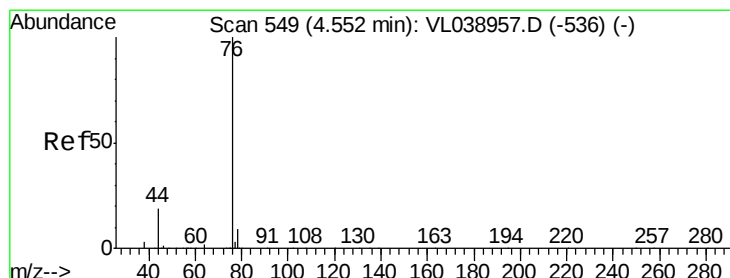
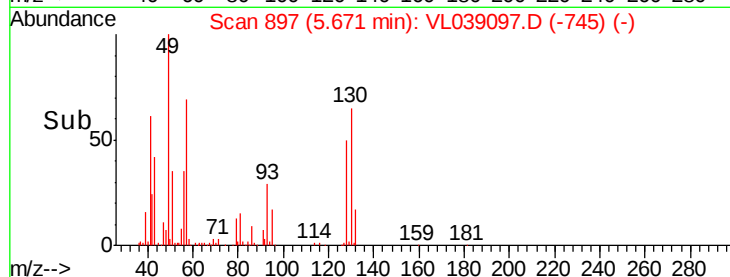
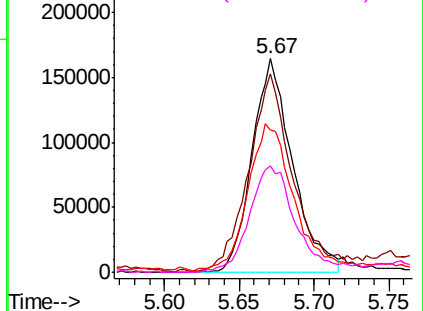


#26
Hexane
Concen: 2.243 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 May 2022 23:44

Tot Ion:	57	Resp:	310635
Ion	Ratio	Lower	Upper
57	100		
41	102.5	75.2	112.8
43	84.9	190.8	286.2#
56	56.7	43.0	64.6

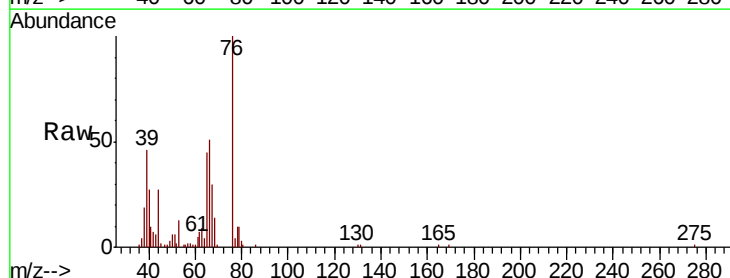


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

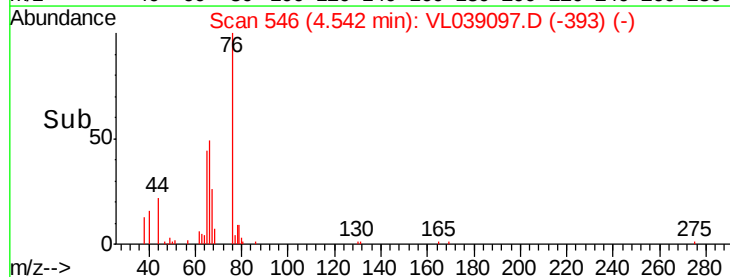
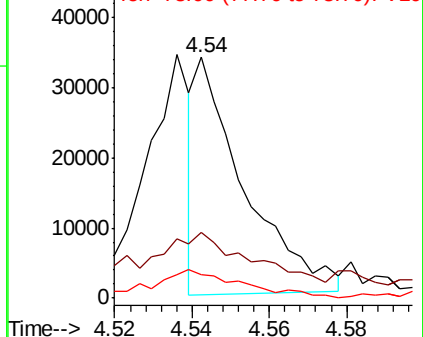


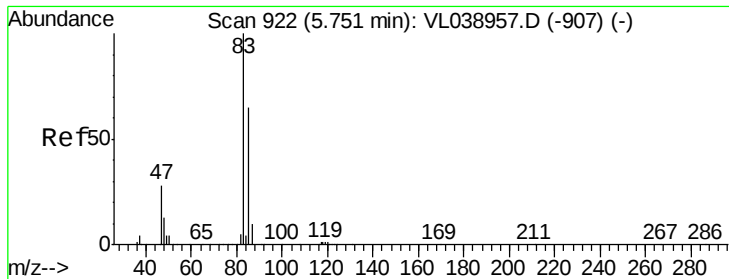
#27
Carbon Disulfide
Concen: 0.224 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.01 min
Lab File: VL039097.D
Acq: 23 May 2022 23:44

Tgt Ion:	76	Resp:	29531
Ion	Ratio	Lower	Upper
76	100		
44	59.8	15.3	22.9#
78	27.0	8.2	12.2#



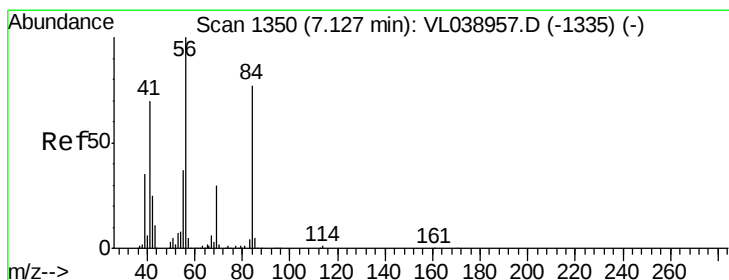
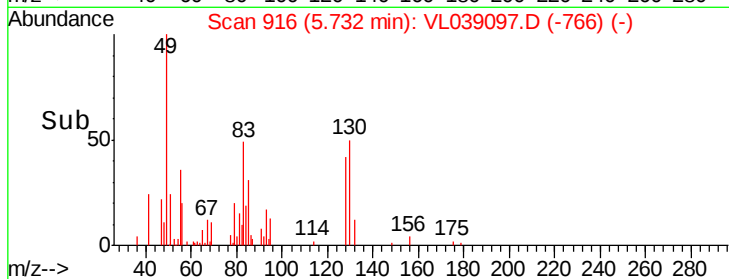
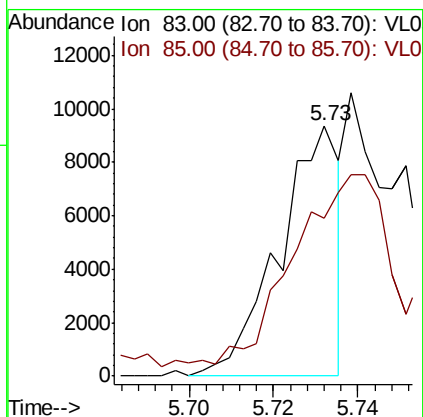
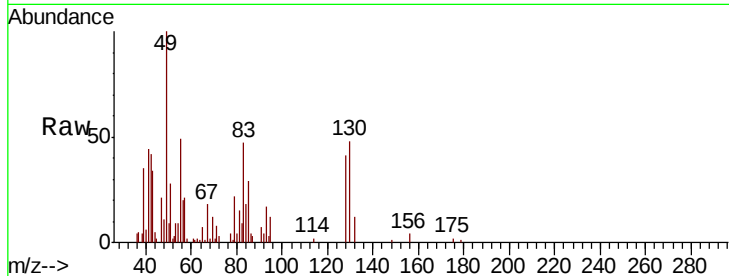
Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





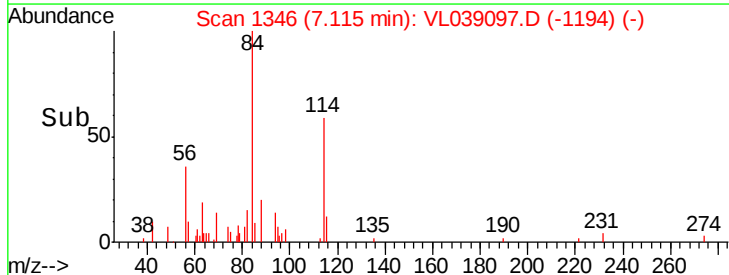
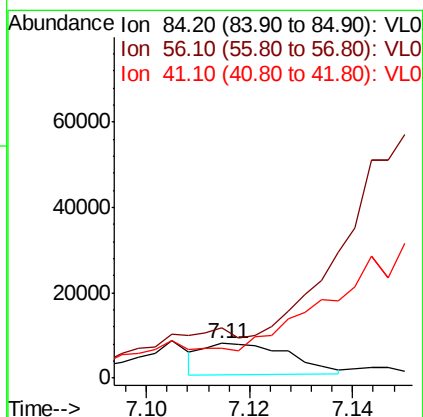
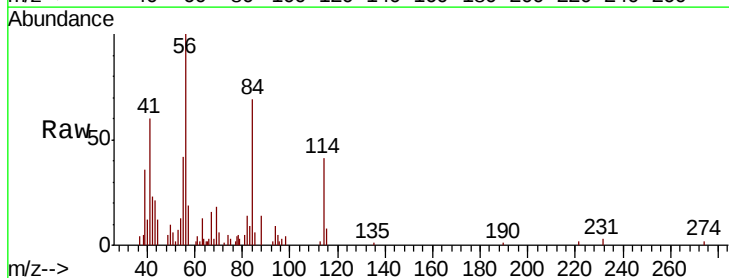
#29
Chloroform
Concen: 0.041 ppbv
RT: 5.73
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 May 2022 23:44

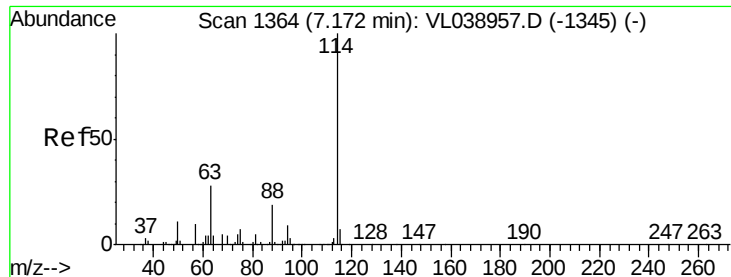
Tot Ion: 83 Resp: 9263
Ion Ratio Lower Upper
83 100
85 57.6 51.8 77.6



#30
Cyclohexane
Concen: 0.074 ppbv
RT: 7.11 min Scan# 1346
Delta R.T.: -0.01 min
Lab File: VL039097.D
Acq: 23 May 2022 23:44

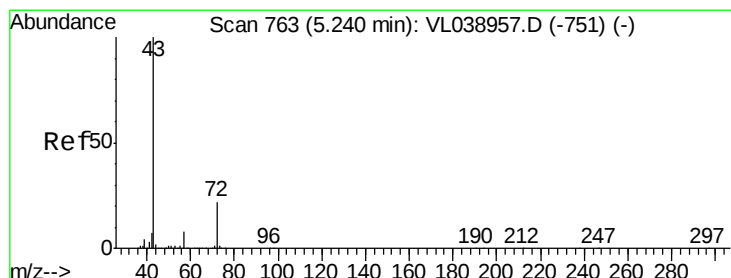
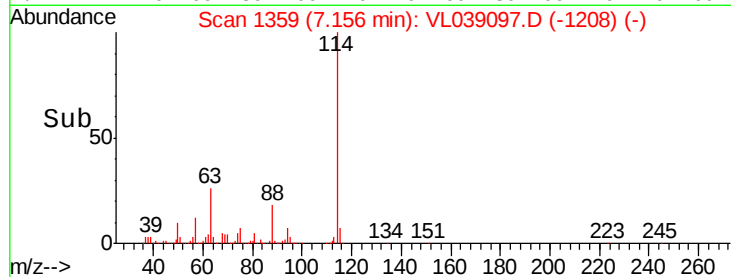
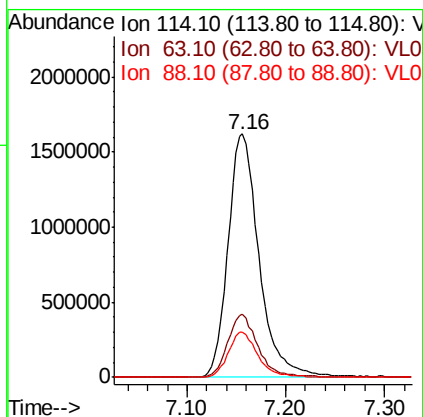
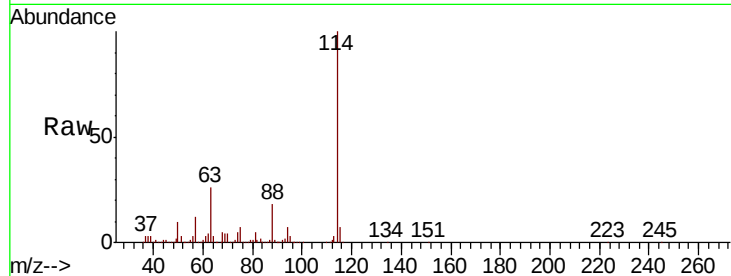
Tgt Ion: 84 Resp: 8551
Ion Ratio Lower Upper
84 100
56 0.0 115.3 172.9#
41 0.0 72.0 108.0#





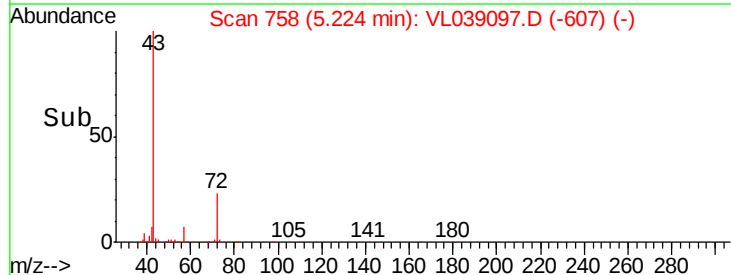
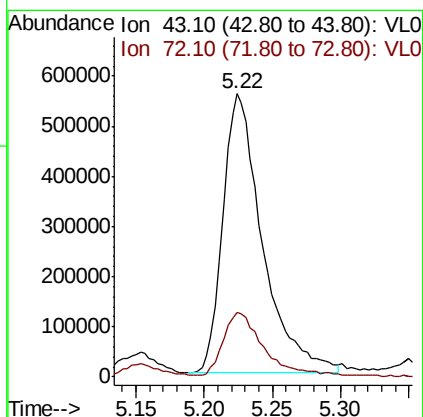
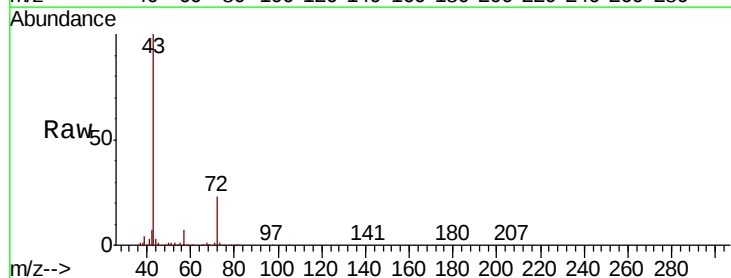
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 May 2022 23:44

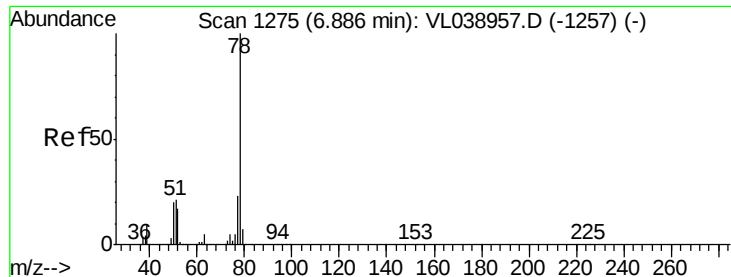
Tot Ion:114 Resp: 3563723
 Ion Ratio Lower Upper
 114 100
 63 25.2 22.6 33.8
 88 18.0 15.4 23.0



#34
 2-Butanone
 Concen: 6.174 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL039097.D
 Acq: 23 May 2022 23:44

Tgt Ion: 43 Resp: 1122537
 Ion Ratio Lower Upper
 43 100
 72 23.2 17.8 26.6





#36

Benzene

Concen: 1.264 ppbv

RT: 6.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 May 2022 23:44

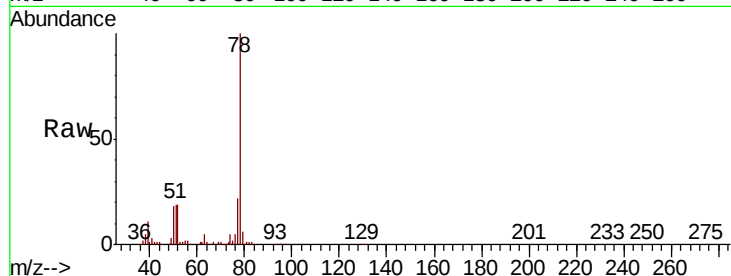
Tot Ion: 78 Resp: 385554

Ion Ratio Lower Upper

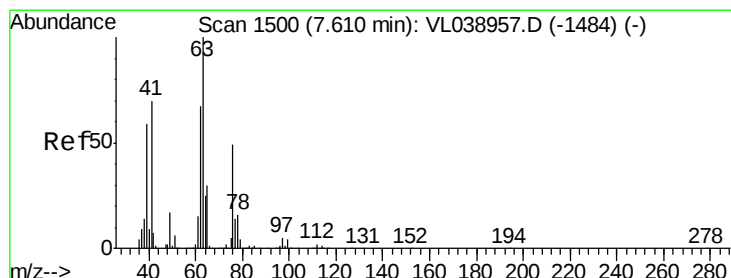
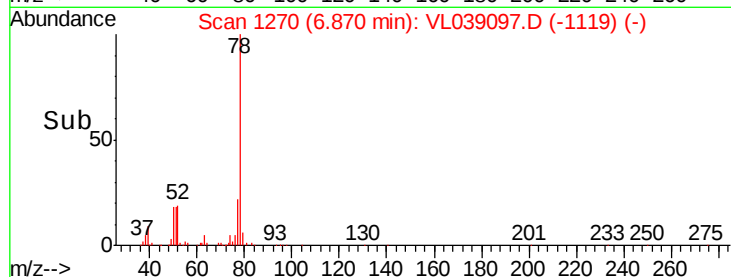
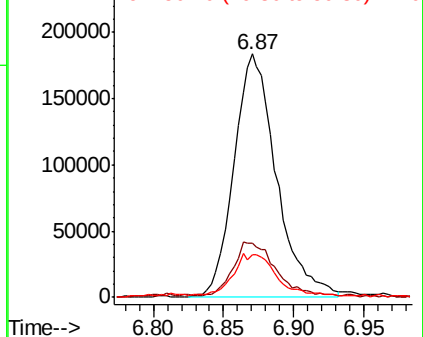
78 100

77 21.2 18.6 28.0

50 16.9 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



#39

1,2-Dichloropropane

Concen: 7.527 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.45 min

Lab File: VL039097.D

Acq: 23 May 2022 23:44

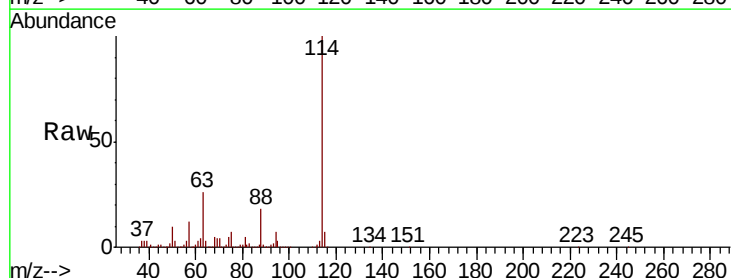
Tgt Ion: 63 Resp: 893156

Ion Ratio Lower Upper

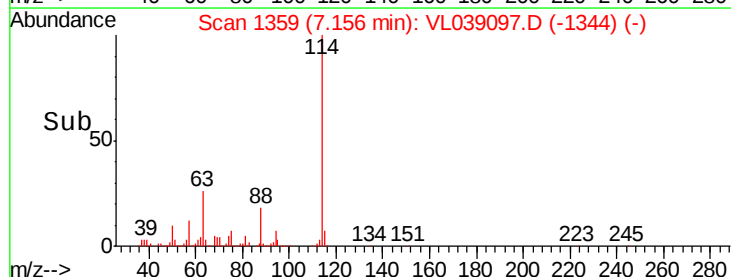
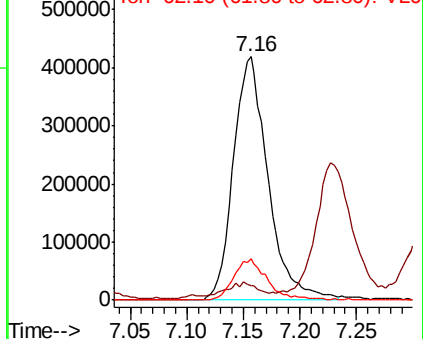
63 100

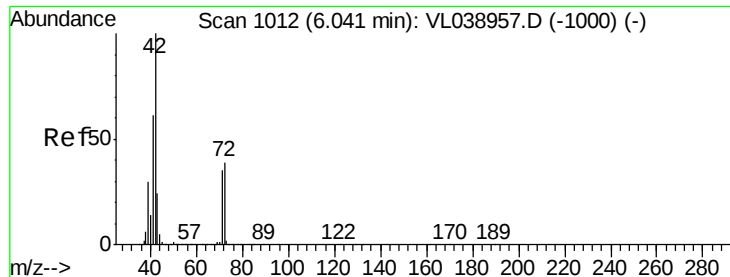
41 4.2 55.9 83.9#

62 17.0 53.8 80.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 3.630 ppbv

RT: 6.03 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VP-1DL

Acq: 23 May 2022 23:44

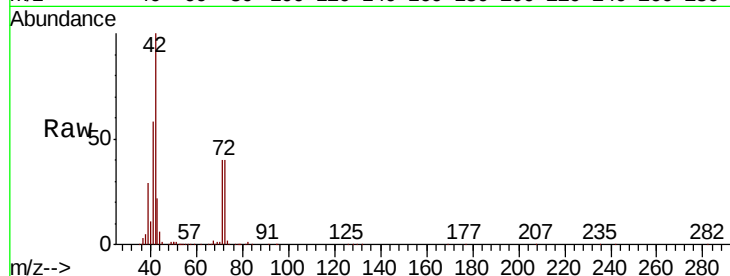
Tot Ion: 42 Resp: 443534

Ion Ratio Lower Upper

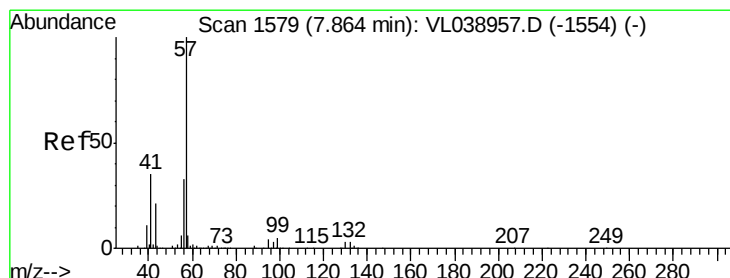
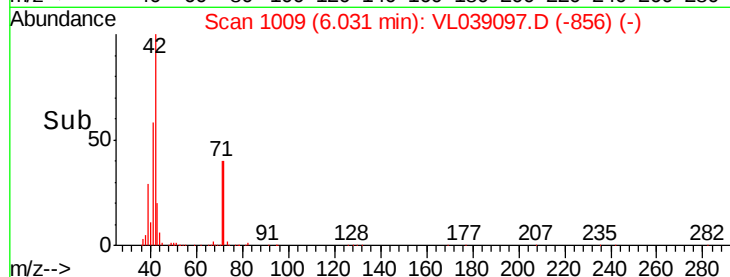
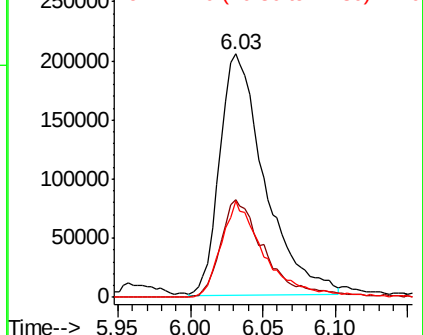
42 100

72 40.7 31.8 47.6

71 38.8 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



#44

2,2,4-Trimethylpentane

Concen: 0.071 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.02 min

Lab File: VL039097.D

Acq: 23 May 2022 23:44

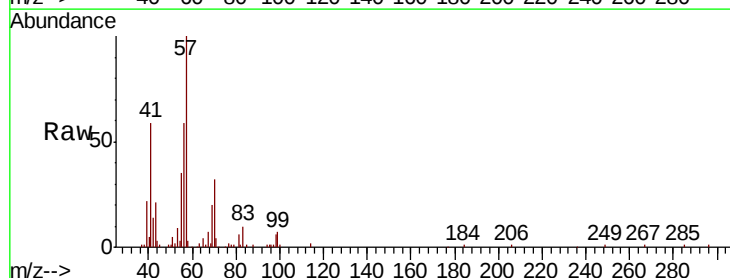
Tgt Ion: 57 Resp: 38158

Ion Ratio Lower Upper

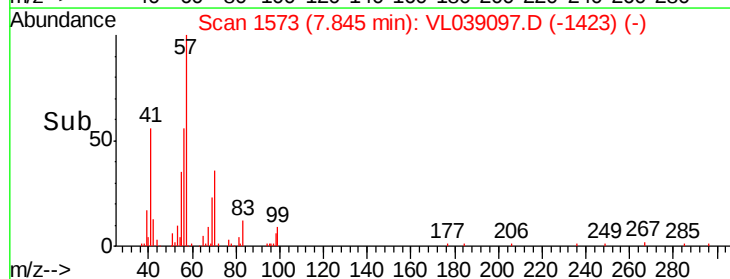
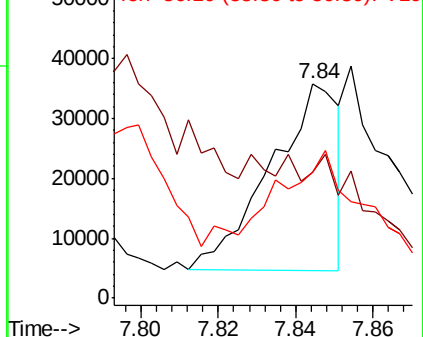
57 100

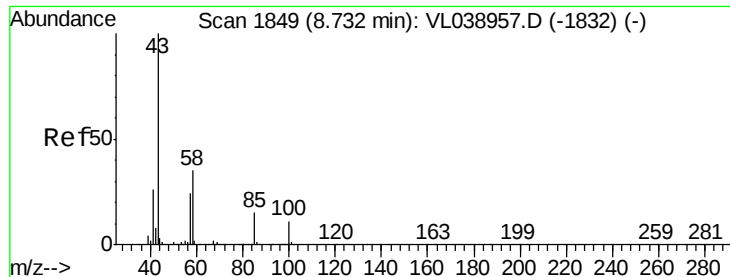
41 0.0 26.3 39.5#

56 123.0 24.6 37.0#



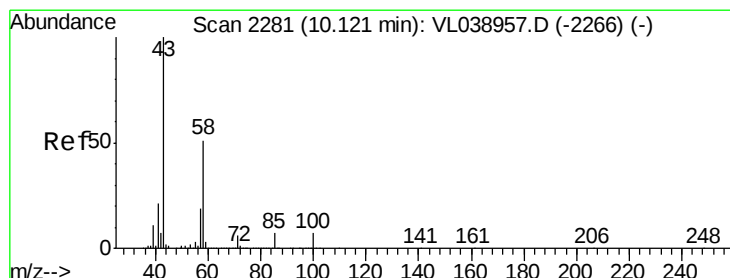
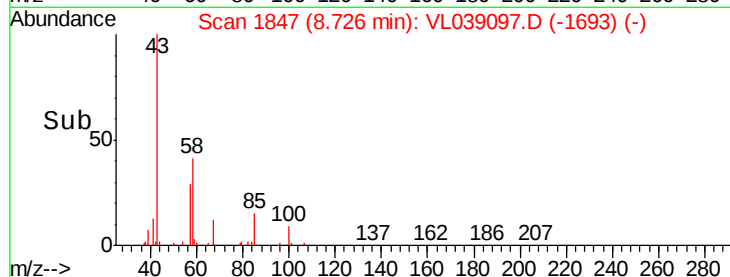
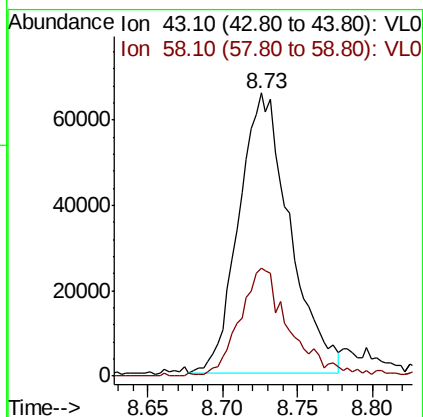
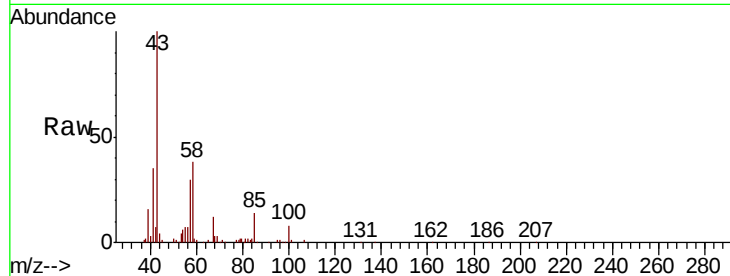
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





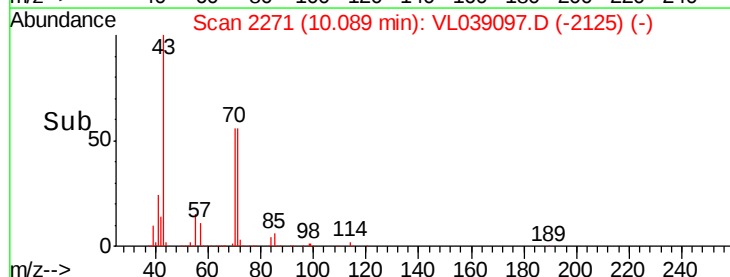
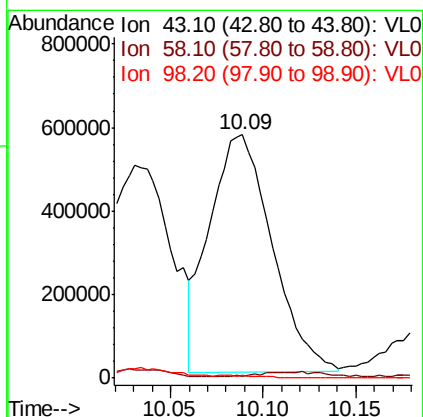
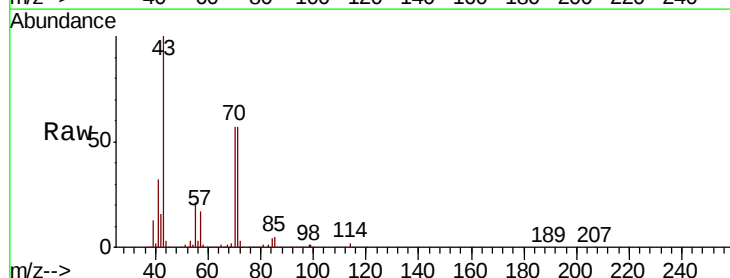
#50
 4-Methyl-2-Pentanone
 Concen: 0.490 ppbv
 RT: 8.73
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 May 2022 23:44

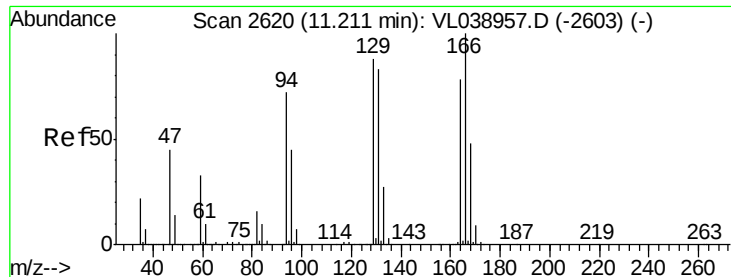
Tot Ion: 43 Resp: 156167
 Ion Ratio Lower Upper
 43 100
 58 38.5 28.4 42.6



#51
 2-Hexanone
 Concen: 5.742 ppbv
 RT: 10.09 min Scan# 2271
 Delta R.T. -0.03 min
 Lab File: VL039097.D
 Acq: 23 May 2022 23:44

Tgt Ion: 43 Resp: 1336131
 Ion Ratio Lower Upper
 43 100
 58 3.4 39.3 58.9#
 98 1.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.279 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 May 2022 23:44

Tot Ion:164 Resp: 30400

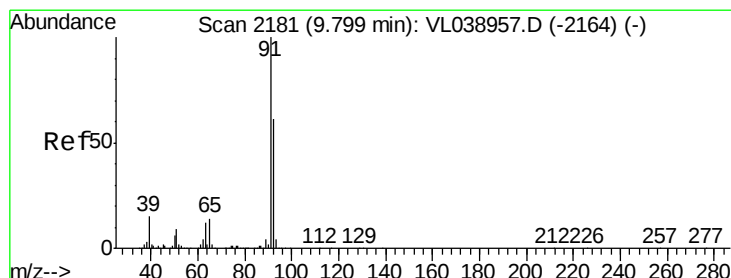
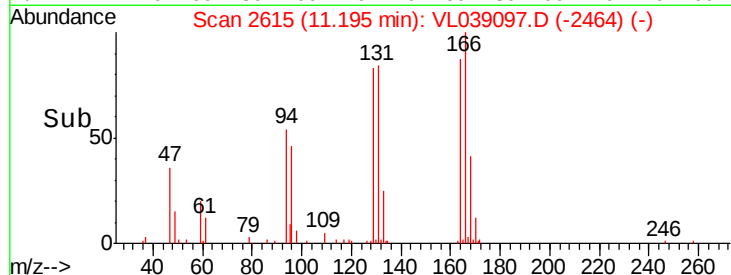
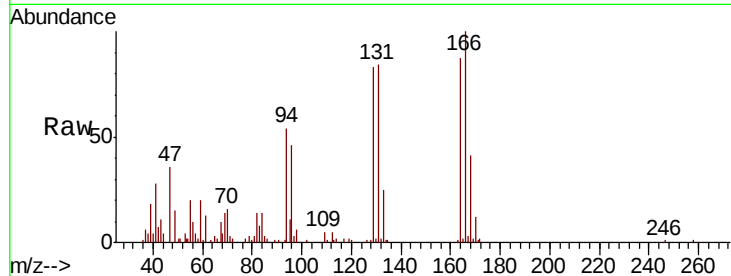
Ion Ratio Lower Upper

164 100

166 114.6 102.5 153.7

129 95.5 90.1 135.1

131 96.0 84.8 127.2



#53

Toluene

Concen: 1.559 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.02 min

Lab File: VL039097.D

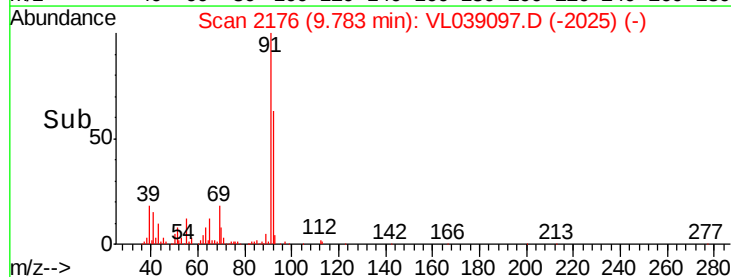
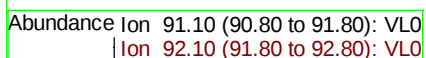
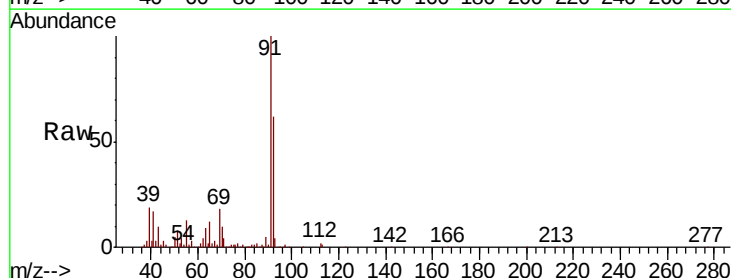
Acq: 23 May 2022 23:44

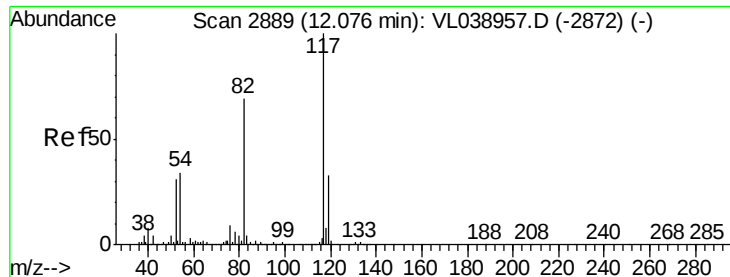
Tgt Ion: 91 Resp: 532888

Ion Ratio Lower Upper

91 100

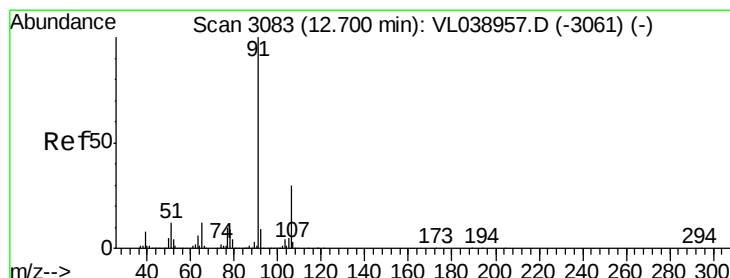
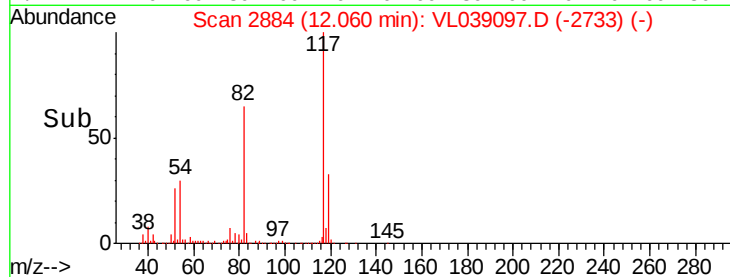
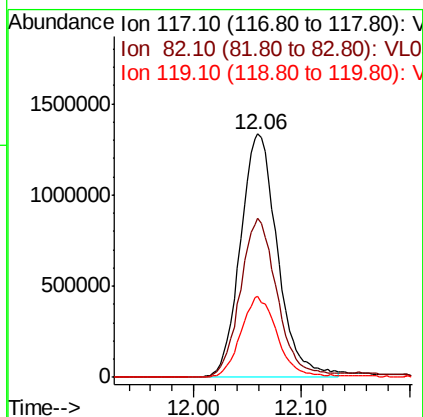
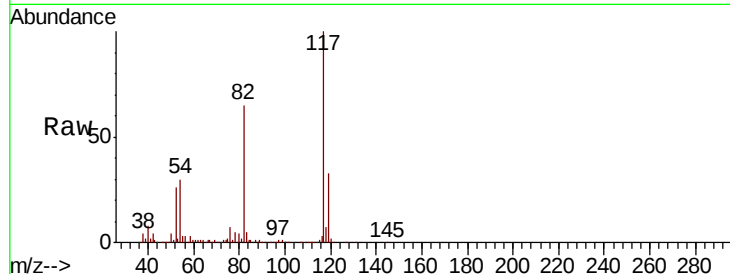
92 61.3 48.2 72.2





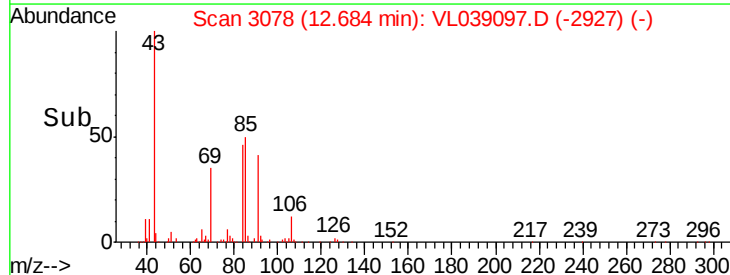
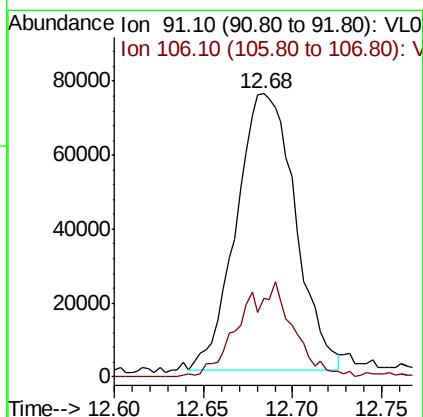
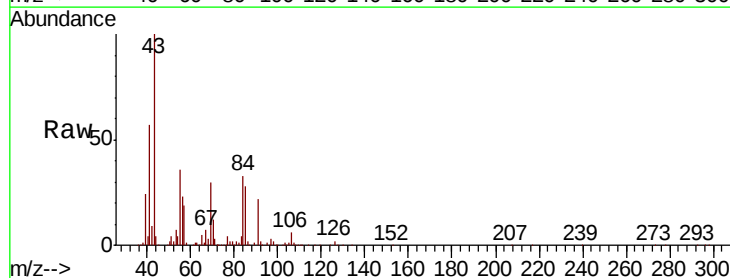
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VP-1DL
Acq: 23 May 2022 23:44

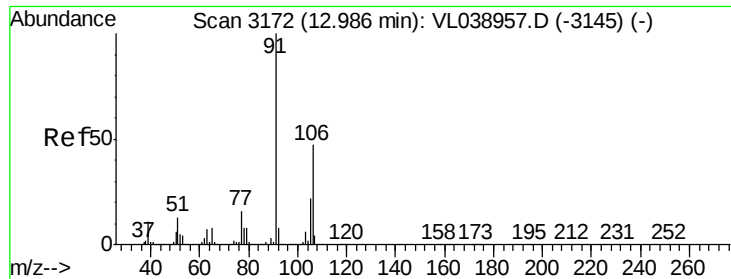
Tot Ion:117 Resp: 3195346
Ion Ratio Lower Upper
117 100
82 68.9 57.0 85.6
119 33.5 27.2 40.8



#58
Ethyl Benzene
Concen: 0.373 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.02 min
Lab File: VL039097.D
Acq: 23 May 2022 23:44

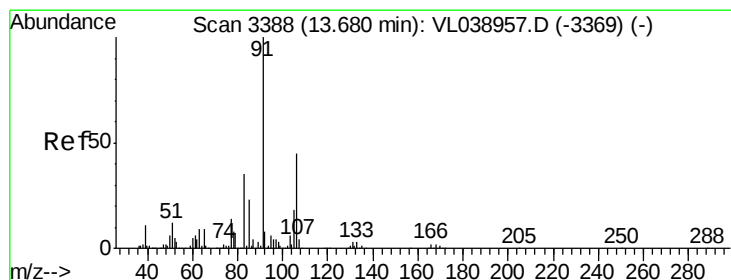
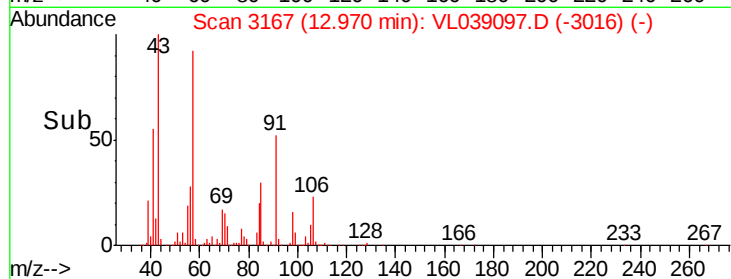
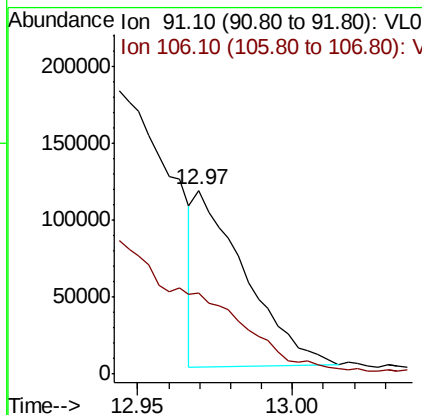
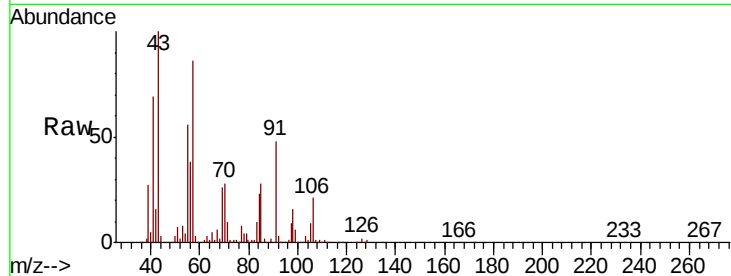
Tgt Ion: 91 Resp: 171710
Ion Ratio Lower Upper
91 100
106 27.6 24.2 36.4





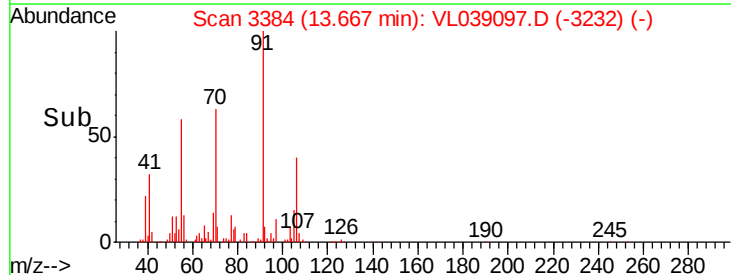
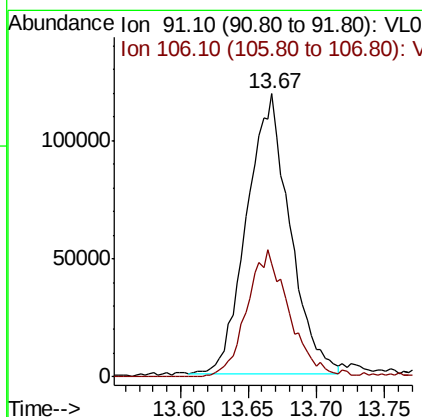
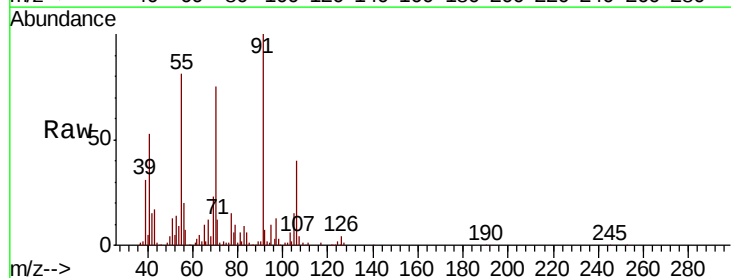
#59
m/p-Xylene
Concen: 0.330 ppbv
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 May 2022 23:44

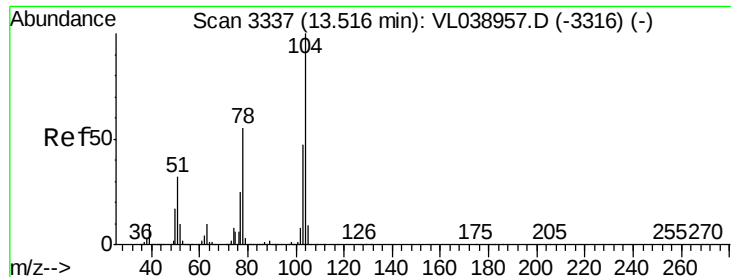
Tot Ion: 91 Resp: 129635
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#



#60
o-Xylene
Concen: 0.707 ppbv
RT: 13.67 min Scan# 3384
Delta R.T.: -0.01 min
Lab File: VL039097.D
Acq: 23 May 2022 23:44

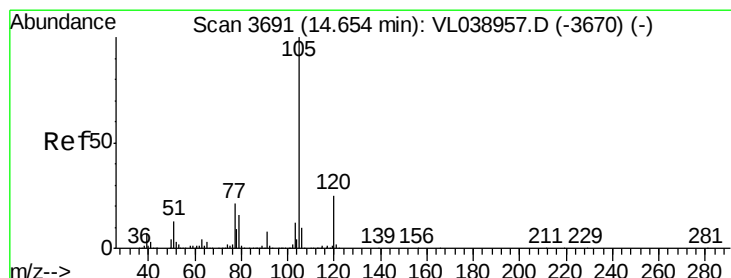
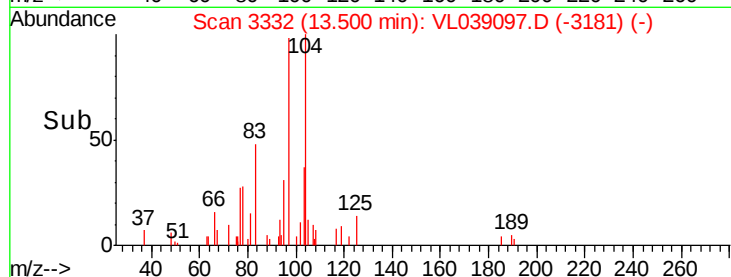
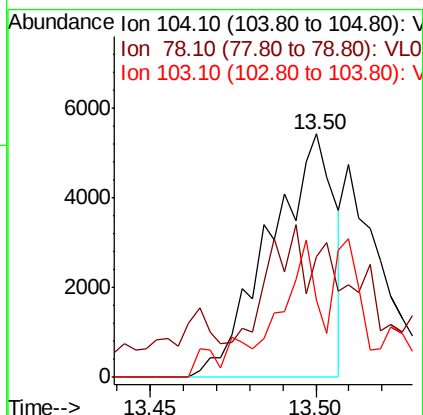
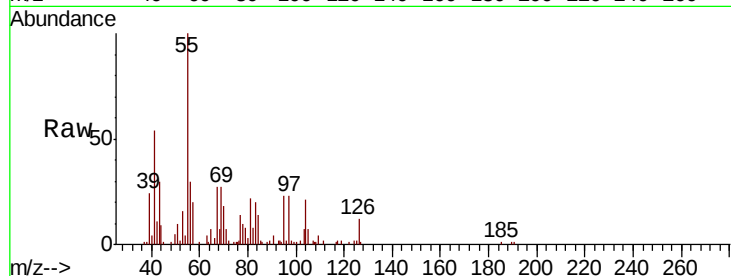
Tgt Ion: 91 Resp: 261319
Ion Ratio Lower Upper
91 100
106 44.9 22.2 66.6





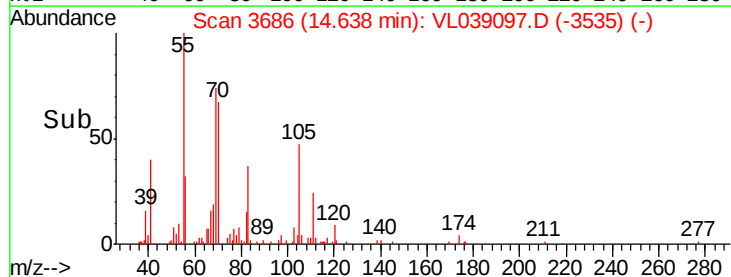
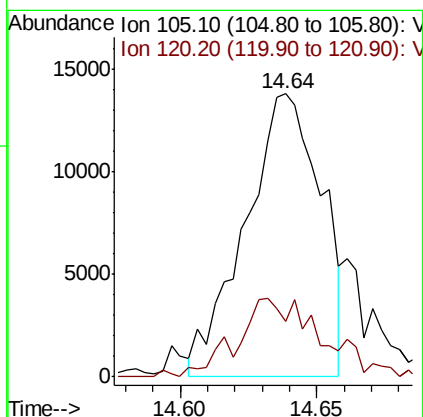
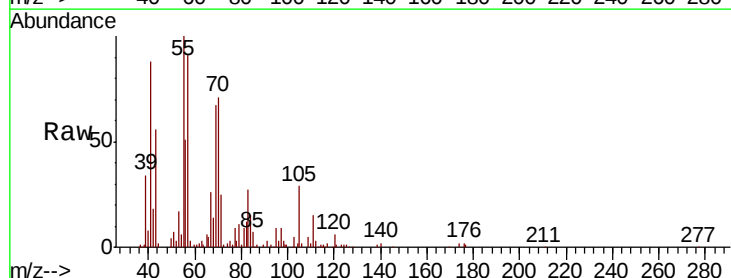
#61
Stvrene
Concen: 0.037 ppbv
RT: 13.50
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VP-1DL
Acq: 23 May 2022 23:44

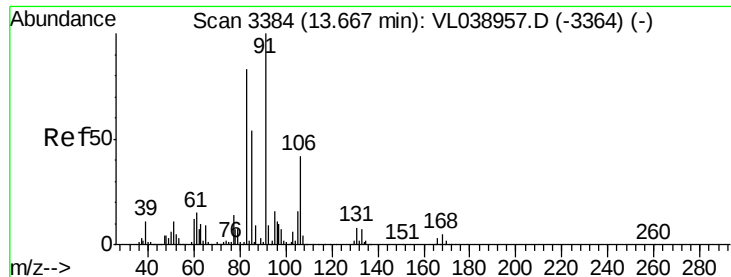
Tot Ion:104 Resp: 7353
Ion Ratio Lower Upper
104 100
78 105.6 46.4 69.6#
103 0.0 39.3 58.9#



#62
Isopropylbenzene
Concen: 0.049 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.02 min
Lab File: VL039097.D
Acq: 23 May 2022 23:44

Tgt Ion:105 Resp: 26691
Ion Ratio Lower Upper
105 100
120 31.0 20.5 30.7#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.060 ppbv

RT: 13.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 May 2022 23:44

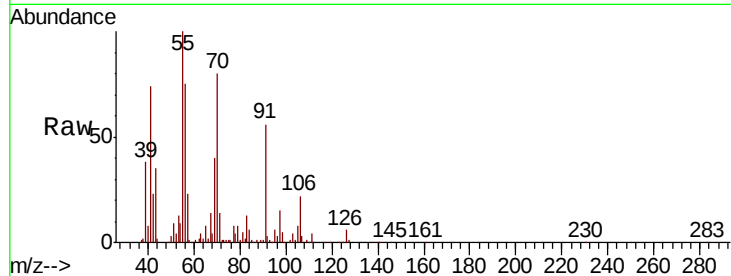
Tot Ion: 83 Resp: 13013

Ion Ratio Lower Upper

83 100

131 0.7 4.5 13.7#

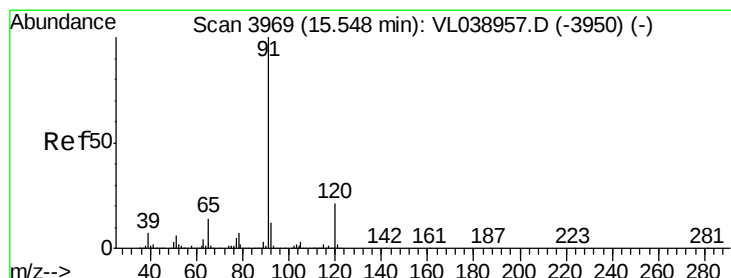
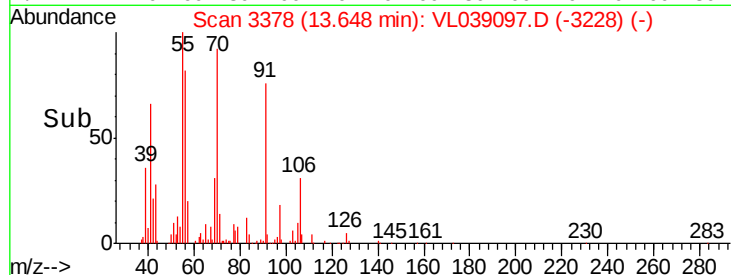
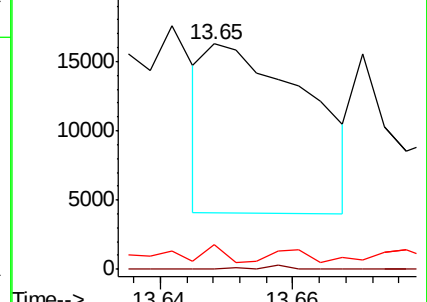
85 0.0 32.8 98.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.040 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.02 min

Lab File: VL039097.D

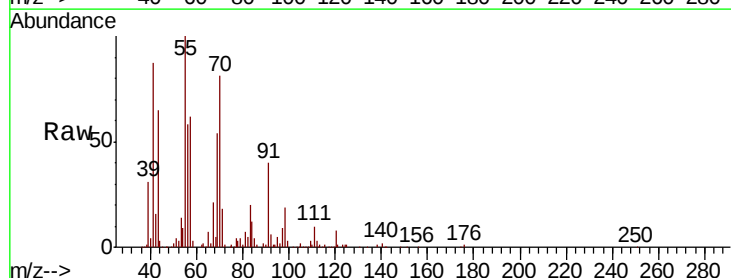
Acq: 23 May 2022 23:44

Tgt Ion: 120 Resp: 5190

Ion Ratio Lower Upper

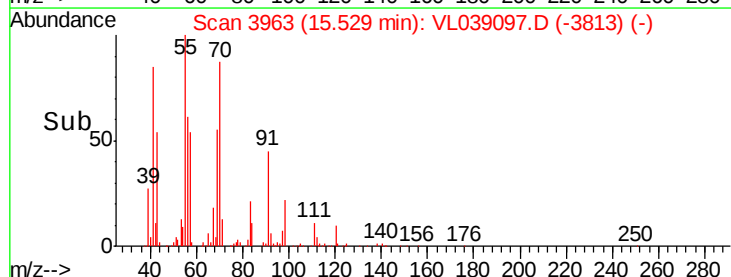
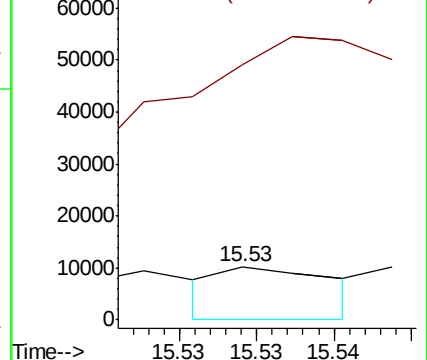
120 100

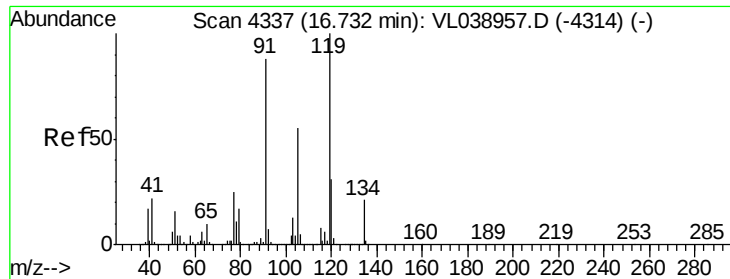
91 2314.3 400.6 601.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.154 ppbv

RT: 16.73 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 May 2022 23:44

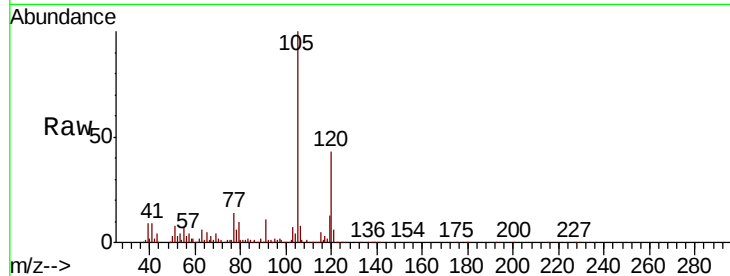
Tot Ion: 119 Resp: 72861

Ion Ratio Lower Upper

119 100

91 106.8 69.4 104.2#

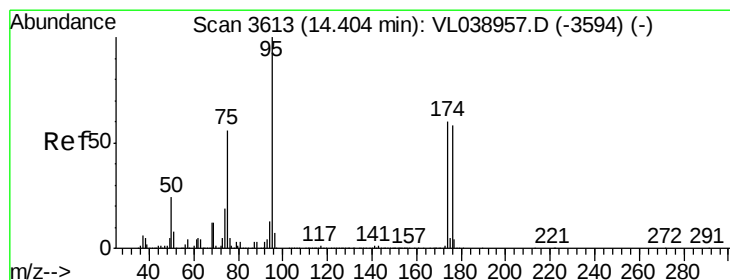
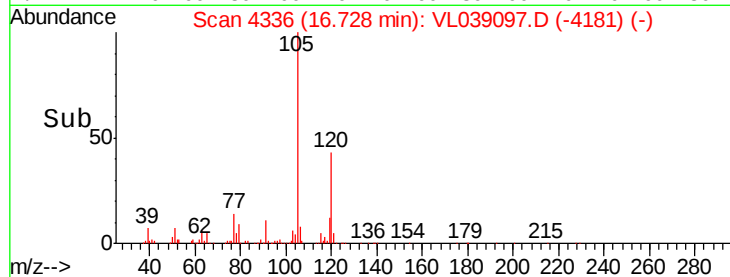
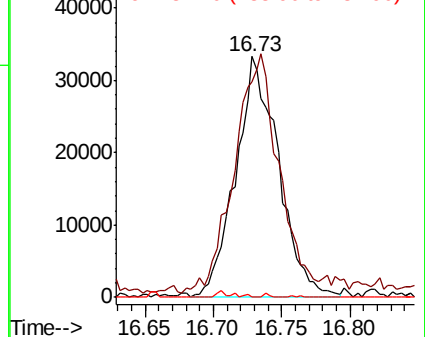
134 1.1 15.8 23.8#



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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.716 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.02 min

Lab File: VL039097.D

Acq: 23 May 2022 23:44

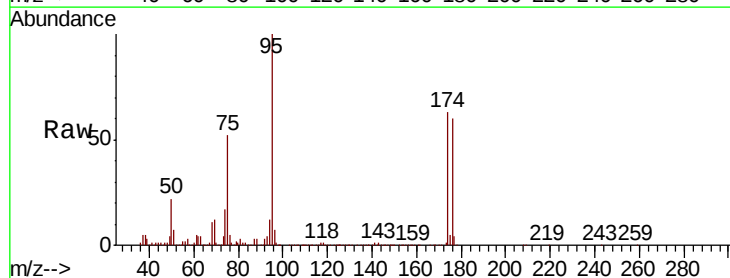
Tgt Ion: 95 Resp: 2458642

Ion Ratio Lower Upper

95 100

174 67.5 50.8 76.2

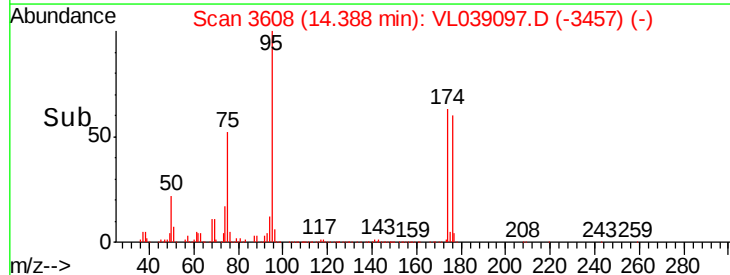
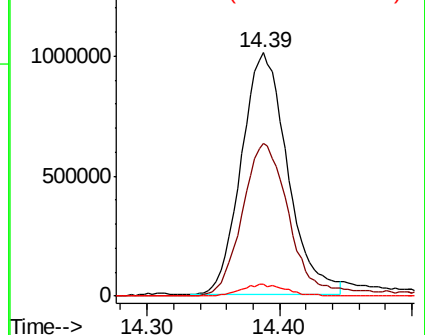
175 4.8 3.8 5.6

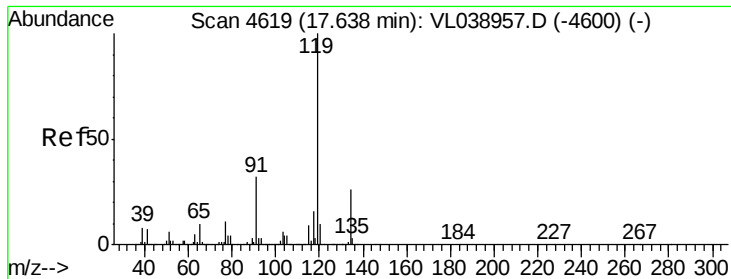


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

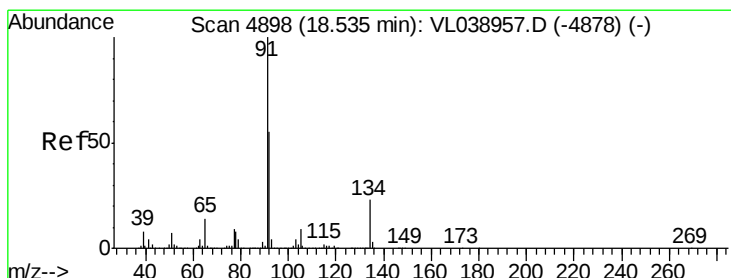
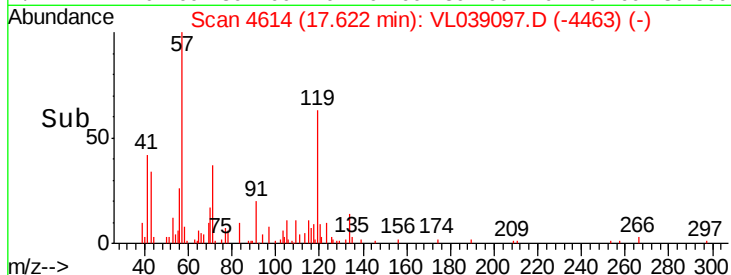
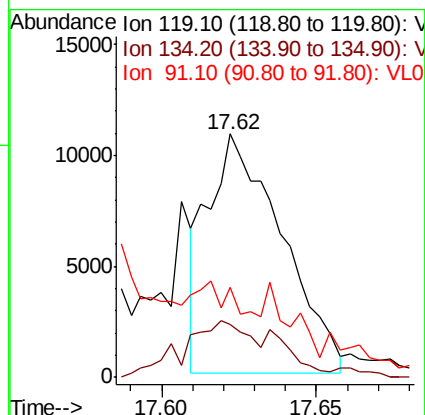
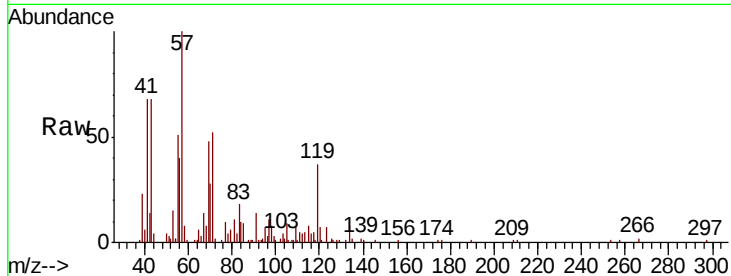
Ion 175.00 (174.70 to 175.70): V





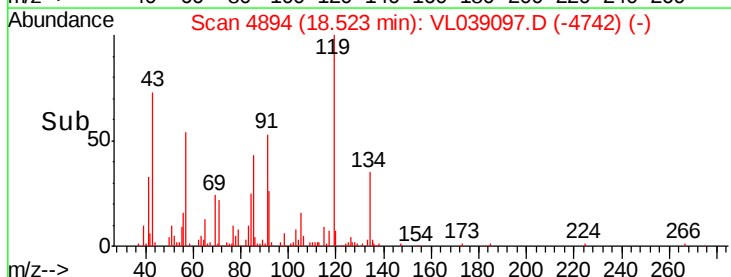
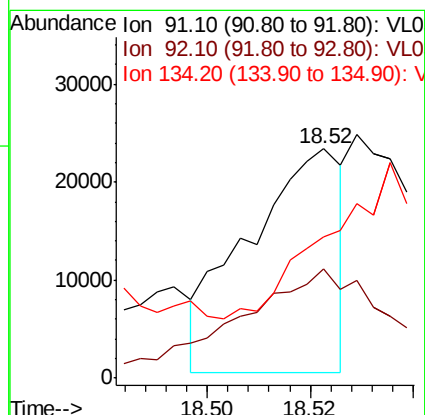
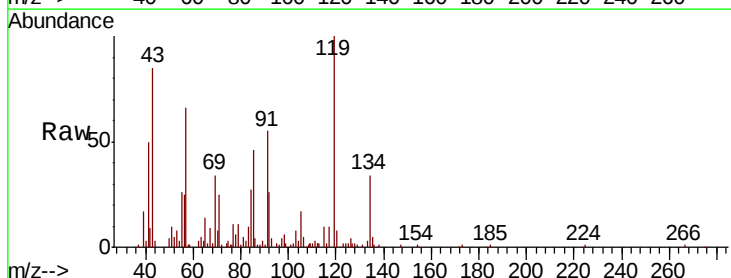
#69
 p-Isopropyltoluene
 Concen: 0.033 ppbv
 RT: 17.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 May 2022 23:44

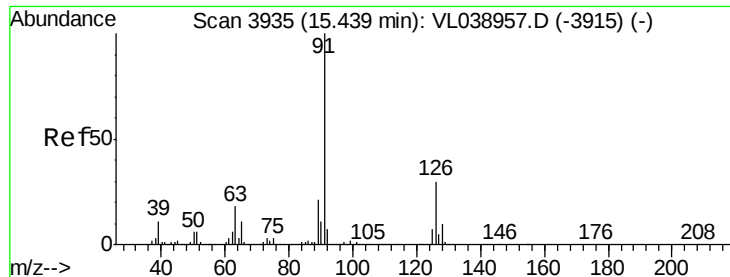
Tot Ion	Ratio	Lower	Upper
119	100		
134	32.1	20.0	30.0#
91	46.2	24.8	37.2#



#70
 n-Butylbenzene
 Concen: 0.050 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL039097.D
 Acq: 23 May 2022 23:44

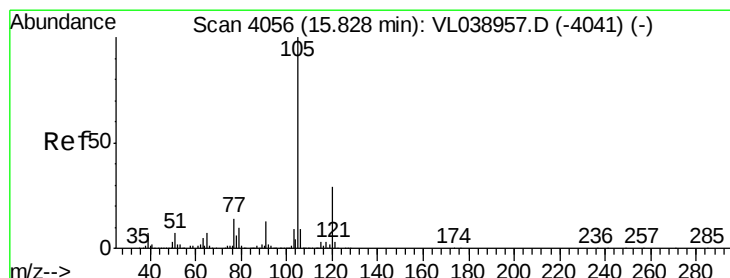
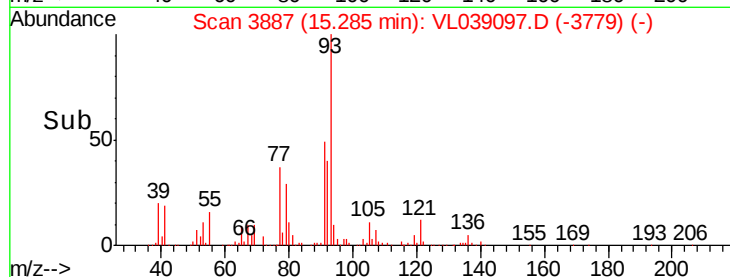
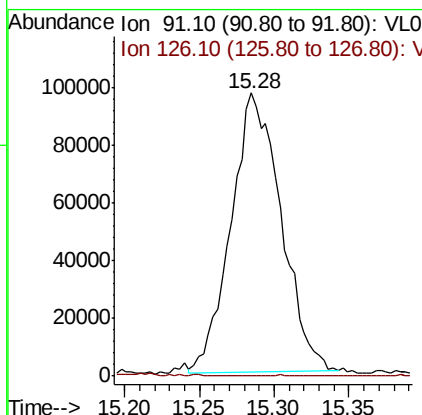
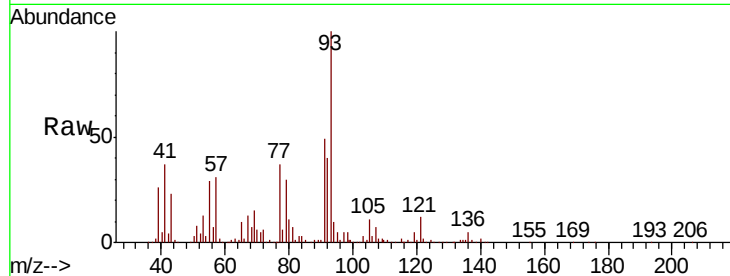
Tgt Ion	Ratio	Lower	Upper
91	100		
92	97.0	43.1	64.7#
134	0.0	17.0	25.4#





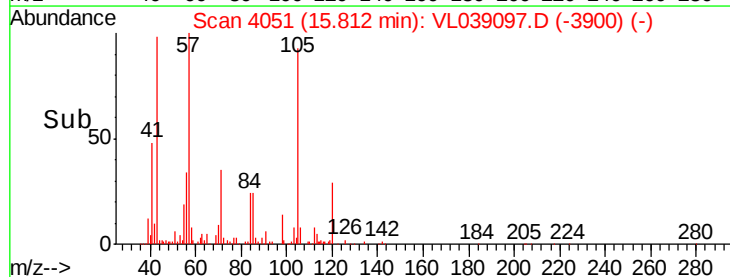
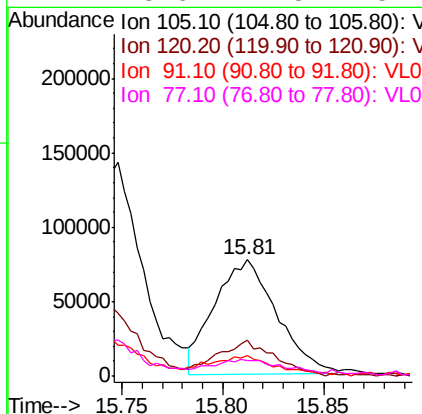
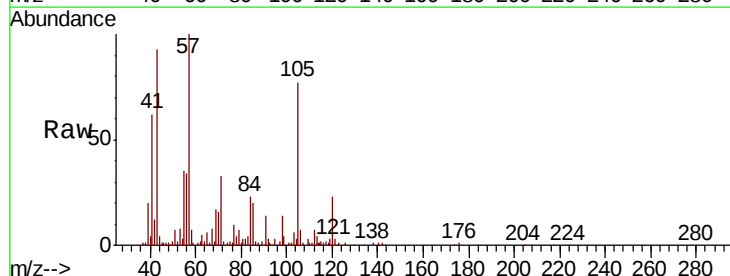
#71
 2-Chlorotoluene
 Concen: 0.541 ppbv
 RT: 15.28 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 May 2022 23:44

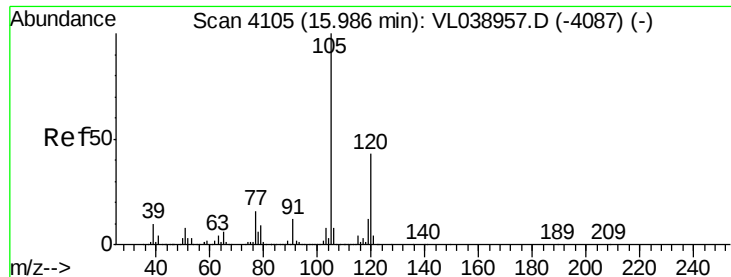
Tot Ion: 91 Resp: 225238
 Ion Ratio Lower Upper
 91 100
 126 0.1 11.9 47.5#



#72
 4-Ethyltoluene
 Concen: 0.394 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.02 min
 Lab File: VL039097.D
 Acq: 23 May 2022 23:44

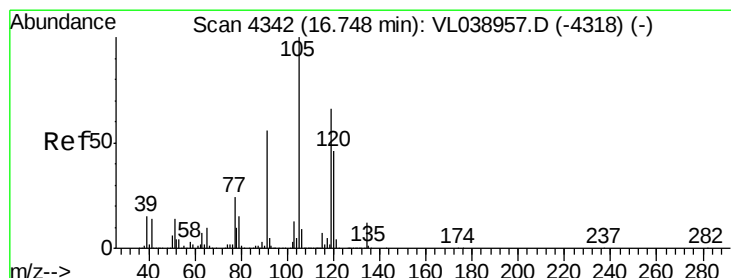
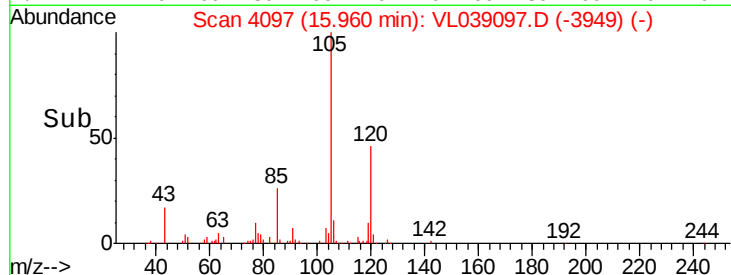
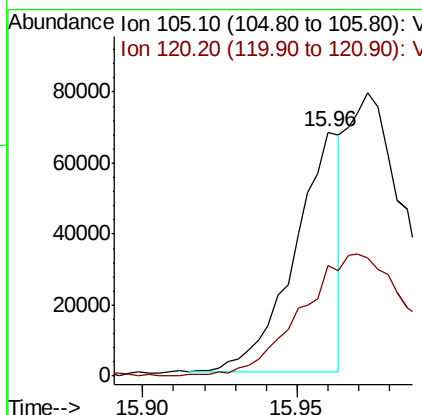
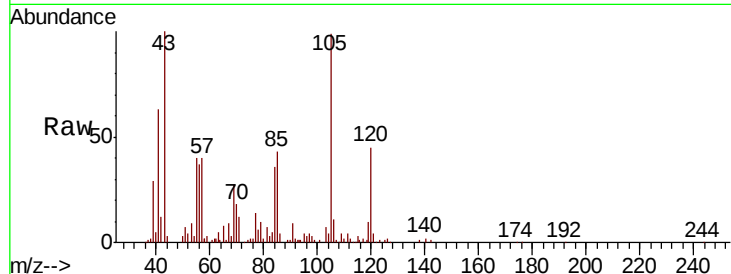
Tgt Ion:105 Resp: 166033
 Ion Ratio Lower Upper
 105 100
 120 29.8 23.4 35.0
 91 16.4 10.6 16.0#
 77 15.6 12.5 18.7





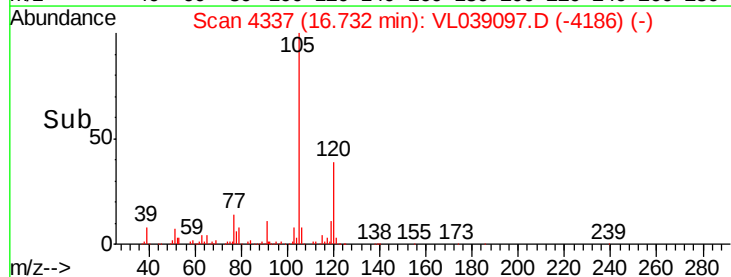
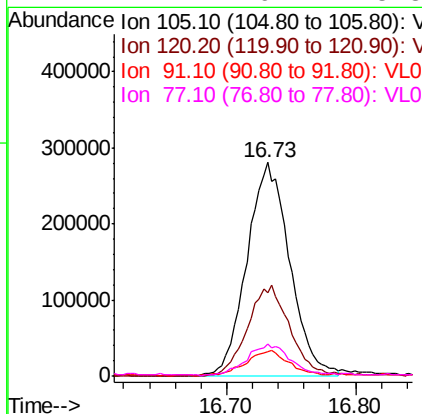
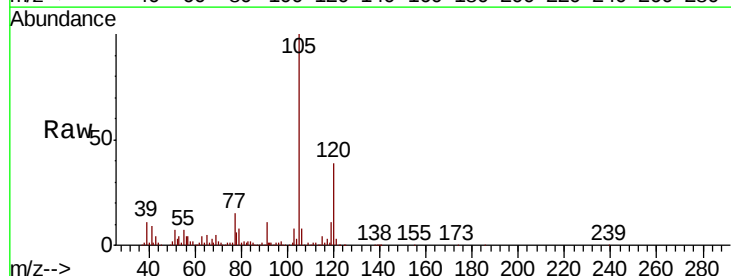
#73
 1,3,5-Trimethylbenzene
 Concen: 0.184 ppbv
 RT: 15.96 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VP-1DL
 Acq: 23 May 2022 23:44

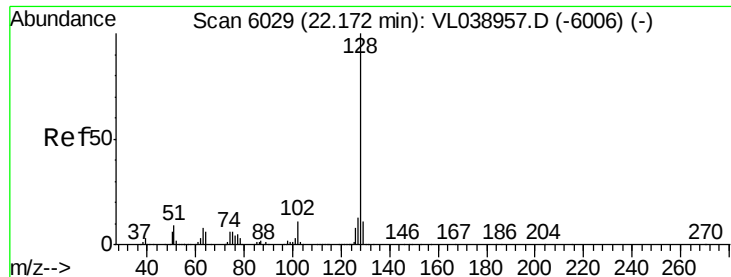
Tot Ion:105 Resp: 69691
 Ion Ratio Lower Upper
 105 100
 120 45.7 34.4 51.6



#74
 1,2,4-Trimethylbenzene
 Concen: 1.555 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T.: -0.02 min
 Lab File: VL039097.D
 Acq: 23 May 2022 23:44

Tgt Ion:105 Resp: 645413
 Ion Ratio Lower Upper
 105 100
 120 38.8 36.9 55.3
 91 10.7 45.0 67.4#
 77 14.2 19.2 28.8#





#79

Naphthalene

Concen: 0.109 ppbv

RT: 22.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 May 2022 23:44

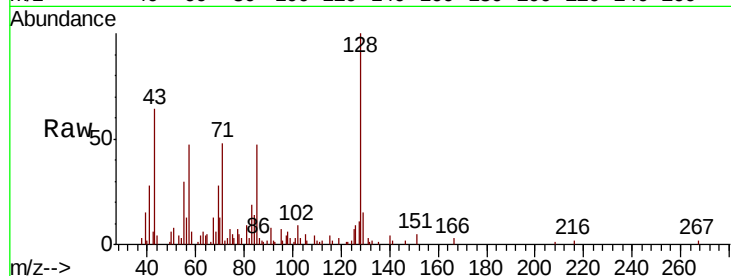
Tot Ion:128 Resp: 36678

Ion Ratio Lower Upper

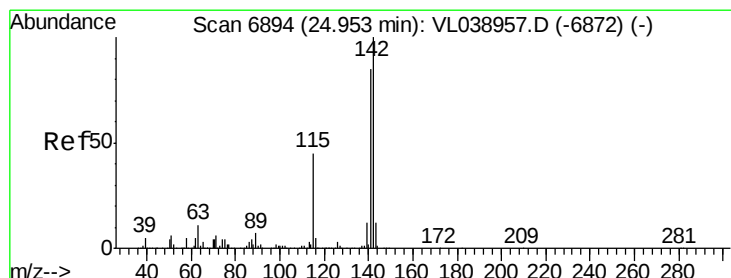
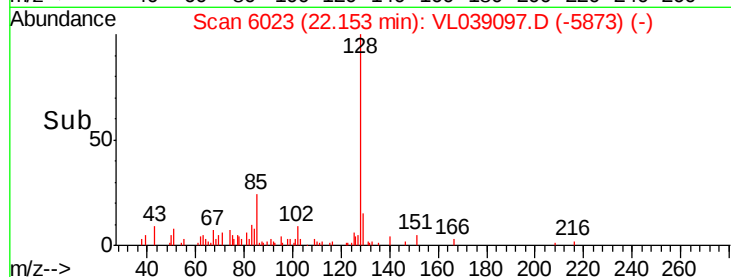
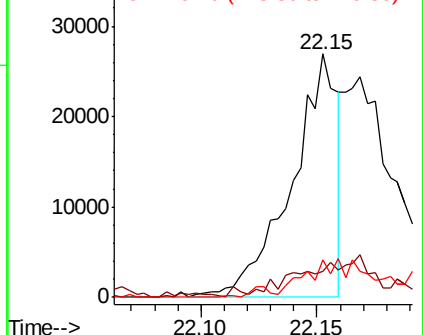
128 100

127 9.5 10.2 15.2#

129 15.3 8.9 13.3#



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.136 ppbv

RT: 24.94 min Scan# 6889

Delta R.T. -0.02 min

Lab File: VL039097.D

Acq: 23 May 2022 23:44

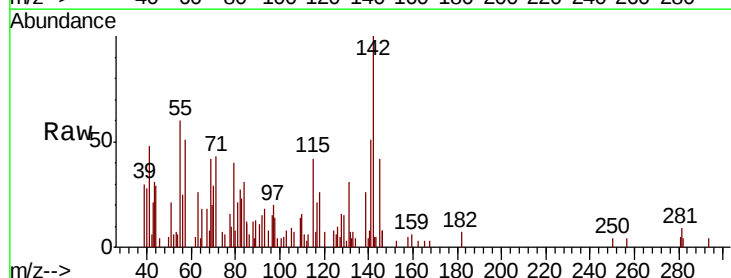
Tgt Ion:142 Resp: 13919

Ion Ratio Lower Upper

142 100

141 83.8 70.8 106.2

115 39.3 35.1 52.7



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

