

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
 Data File : VL039099.D
 Acq On : 24 May 2022 1:04
 Operator : SY/AP
 Sample : N2956-05DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DL

Quant Time: May 24 06:03:23 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	1353755	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3581869	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3140286	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.39	95	2401487	9.66	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	15818	0.075	ppbv	98
3) Chlorodifluoromethane	2.98	51	11665	0.069	ppbv #	89
4) Chloromethane	3.13	50	7318	0.087	ppbv #	80
9) Propene	3.01	41	1498926	20.433	ppbv	93
10) Heptane	8.10	43	53826	0.299	ppbv	97
11) Trichlorofluoromethane	3.94	101	15401	0.085	ppbv	96
13) Ethanol	3.60	45	21752	4.190	ppbv #	31
15) Acetone	3.83	43	3812115	29.852	ppbv	95
16) 1,3-Butadiene	3.30	39	624214	8.508	ppbv #	34
17) tert-Butyl alcohol	4.28	59	13363	0.136	ppbv #	70
19) Isopropyl Alcohol	3.95	45	56908	0.937	ppbv #	95
20) Methylene Chloride	4.33	84	183469	3.812	ppbv	94
21) Allyl Chloride	4.39	41	3235	0.037	ppbv #	19
23) Vinyl Acetate	5.05	43	18304	0.181	ppbv #	1
25) Ethyl Acetate	5.67	43	177532	0.581	ppbv #	82
26) Hexane	5.67	57	230543	1.698	ppbv #	42
27) Carbon Disulfide	4.54	76	13988	0.108	ppbv #	35
32) 1,1,1-Trichloroethane	6.50	97	348374	1.586	ppbv	98
34) 2-Butanone	5.23	43	585453	3.204	ppbv	96
36) Benzene	6.87	78	252364	0.823	ppbv	93
39) 1,2-Dichloropropane	7.15	63	860714	7.217	ppbv #	25
41) Tetrahydrofuran	6.04	42	152968	1.246	ppbv	96
44) 2,2,4-Trimethylpentane	7.84	57	19339	0.036	ppbv #	43
50) 4-Methyl-2-Pentanone	8.74	43	122845	0.383	ppbv #	80
52) Tetrachloroethene	11.19	164	5066	0.046	ppbv #	78
53) Toluene	9.78	91	368074	1.071	ppbv	97
58) Ethyl Benzene	12.69	91	136627	0.302	ppbv	92
59) m/p-Xylene	12.94	91	347699	0.901	ppbv #	63
60) o-Xylene	13.66	91	209904	0.578	ppbv	99
64) n-propylbenzene	15.53	120	6729	0.052	ppbv #	1
65) tert-Butylbenzene	16.73	119	31583	0.068	ppbv #	16
70) n-Butylbenzene	18.52	91	23298	0.041	ppbv #	33
72) 4-Ethyltoluene	15.82	105	126480	0.306	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	146646	0.394	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	558369	1.369	ppbv #	64
79) Naphthalene	22.15	128	14786	0.045	ppbv #	90
80) Naphthalene,2-methyl-	24.94	142	4293	0.043	ppbv #	15

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
Data File : VL039099.D
Acq On : 24 May 2022 1:04
Operator : SY/AP
Sample : N2956-05DL 4X
Misc : 400mL/MSVOA L
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

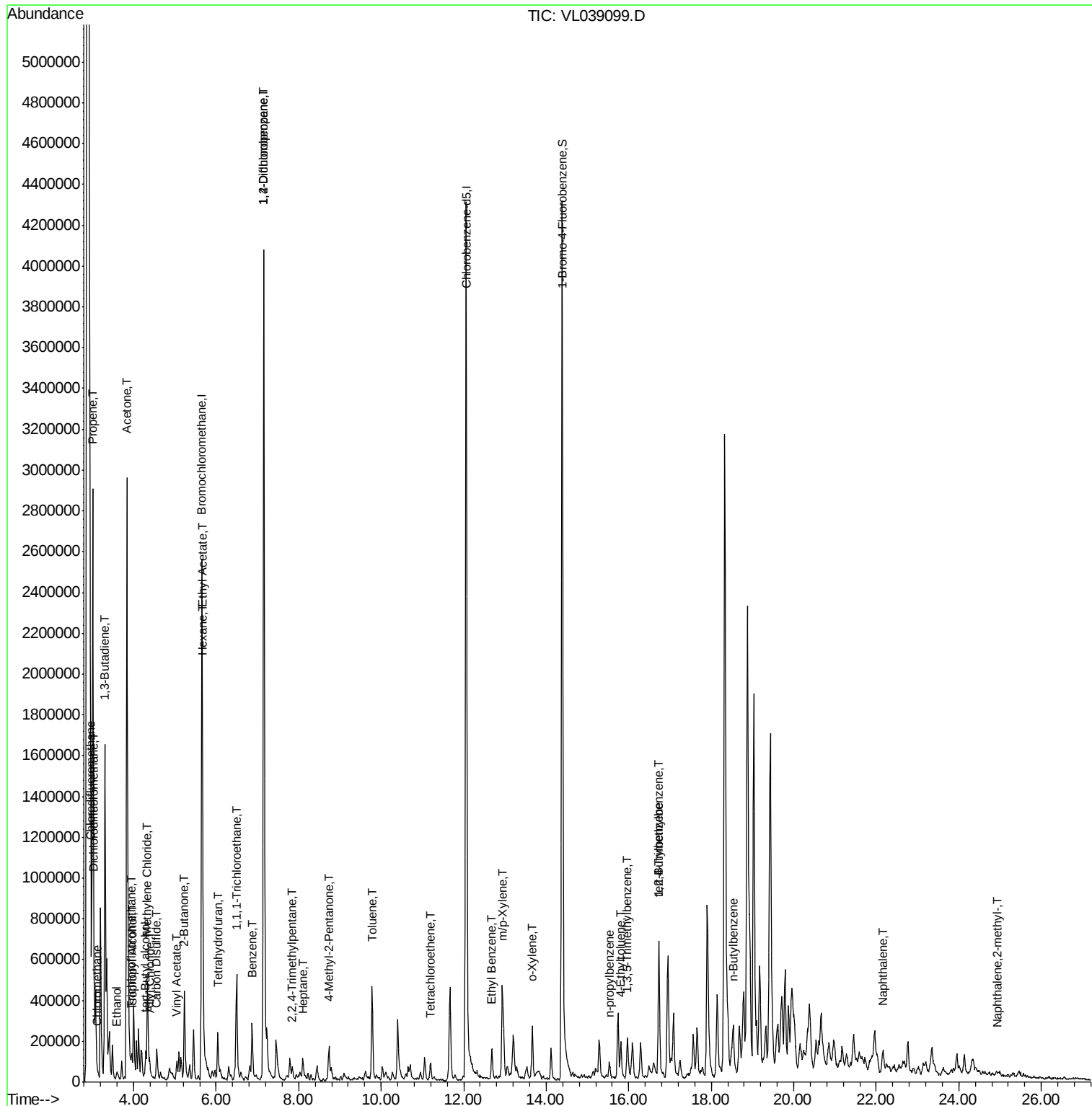
Quant Time: May 24 06:03:23 2022

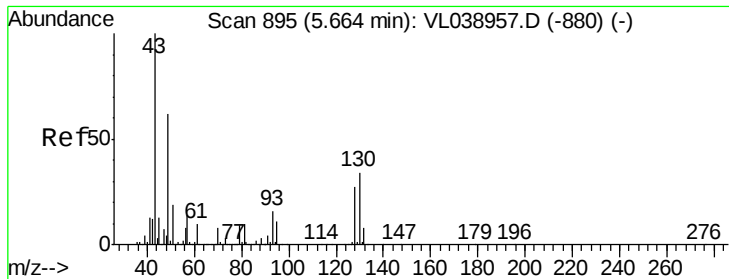
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VP-2DL

Acq: 24 May 2022 1:04

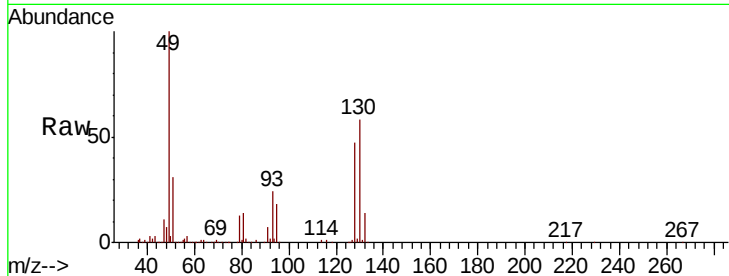
Tot Ion: 49 Resp: 1353755

Ion Ratio Lower Upper

49 100

128 49.8 23.3 69.8

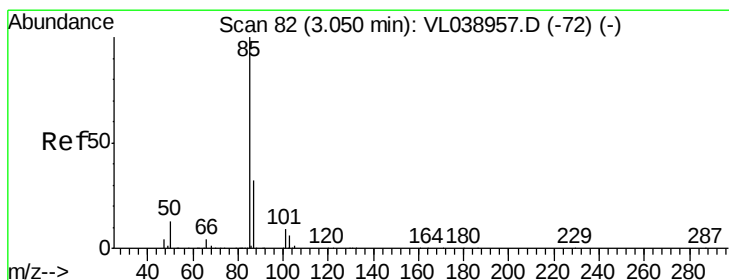
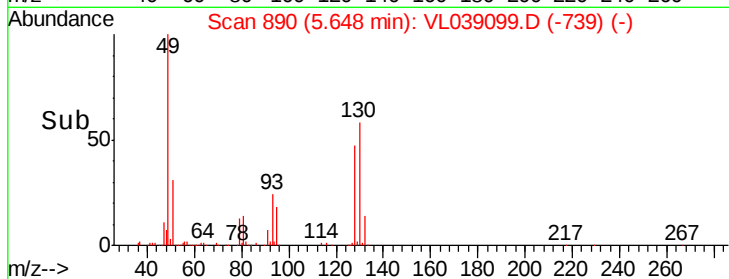
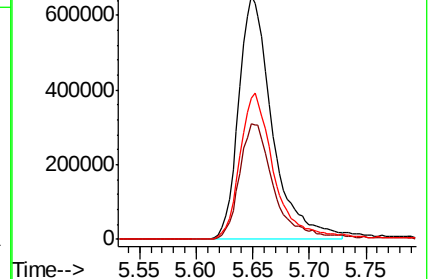
130 62.7 29.8 89.3



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: 0.075 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL039099.D

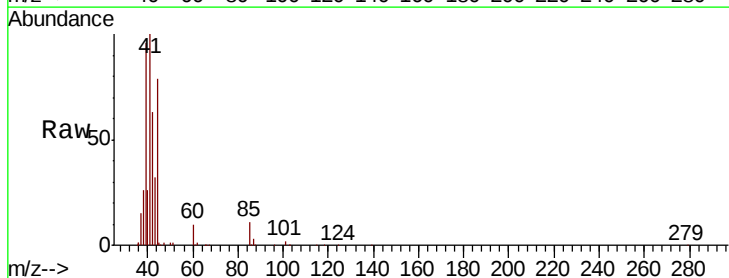
Acq: 24 May 2022 1:04

Tgt Ion: 85 Resp: 15818

Ion Ratio Lower Upper

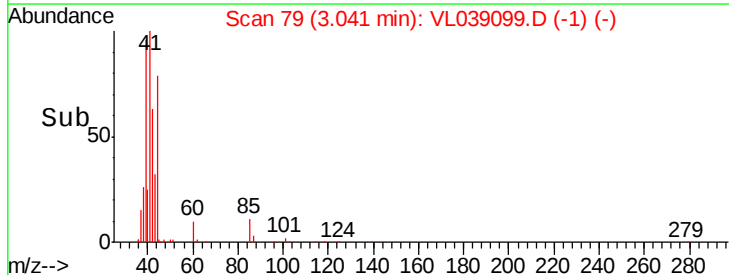
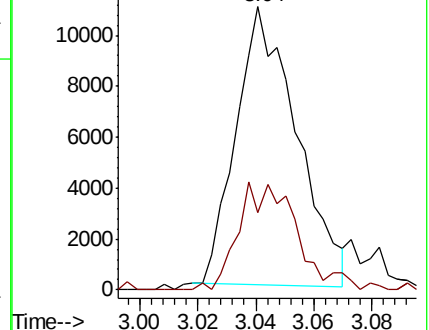
85 100

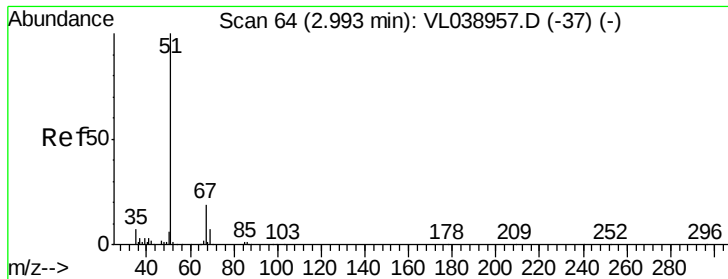
87 31.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.069 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

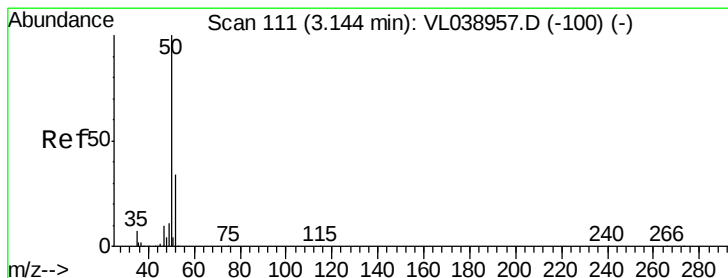
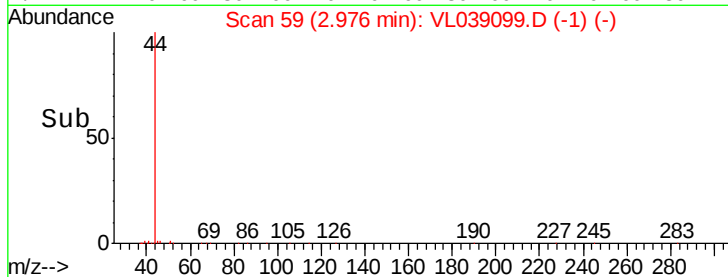
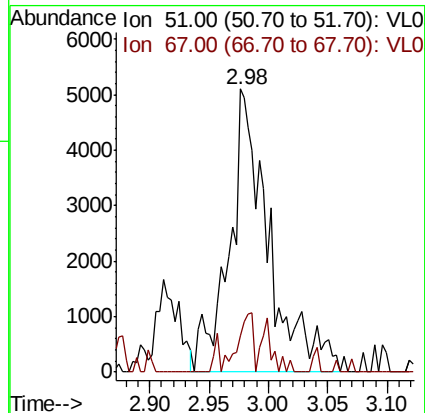
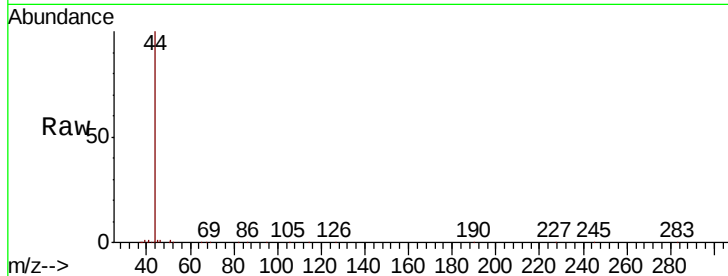
Acq: 24 May 2022 1:04

Tot Ion: 51 Resp: 11665

Ion Ratio Lower Upper

51 100

67 15.0 15.8 23.8#



#4

Chloromethane

Concen: 0.087 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL039099.D

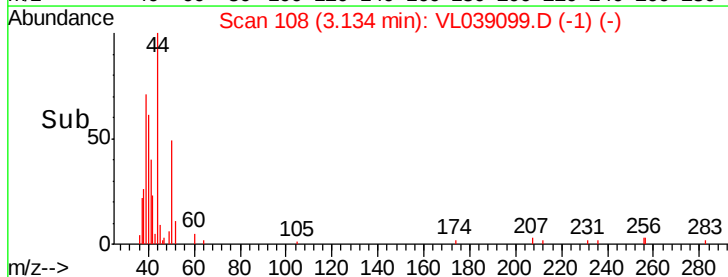
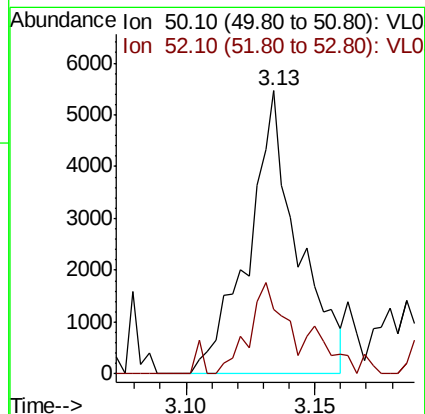
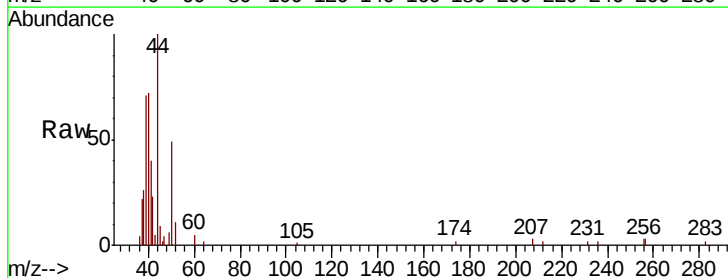
Acq: 24 May 2022 1:04

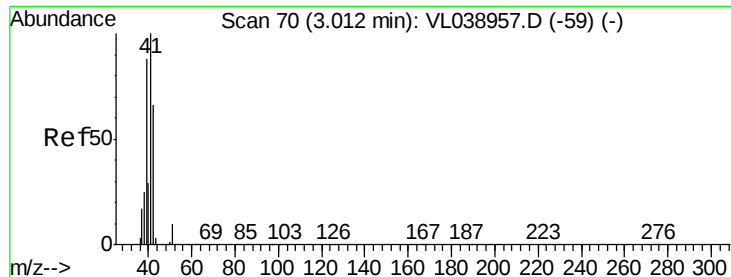
Tgt Ion: 50 Resp: 7318

Ion Ratio Lower Upper

50 100

52 22.6 27.3 40.9#





#9

Propene

Concen: 20.433 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

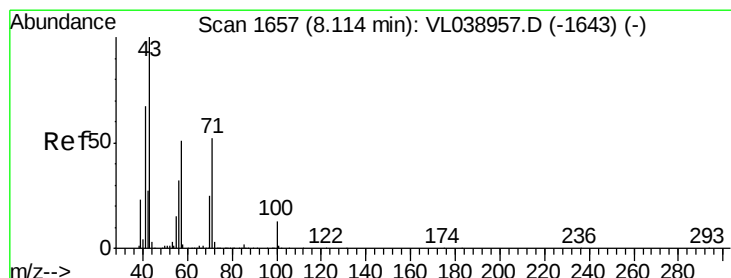
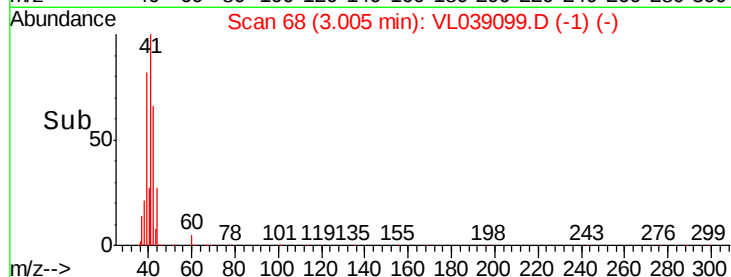
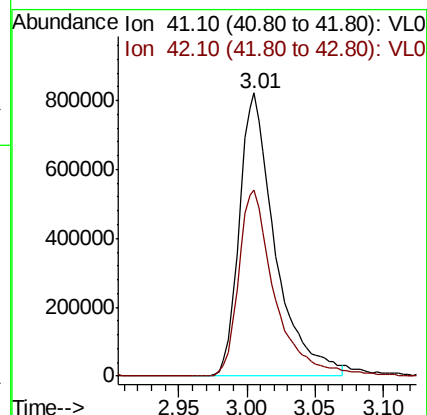
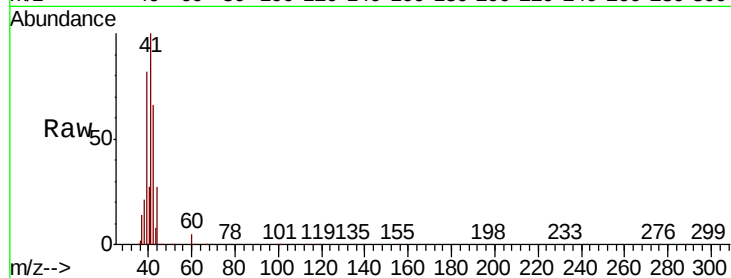
Acq: 24 May 2022 1:04

Tot Ion: 41 Resp: 1498926

Ion Ratio Lower Upper

41 100

42 66.8 58.3 87.5



#10

Heptane

Concen: 0.299 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.02 min

Lab File: VL039099.D

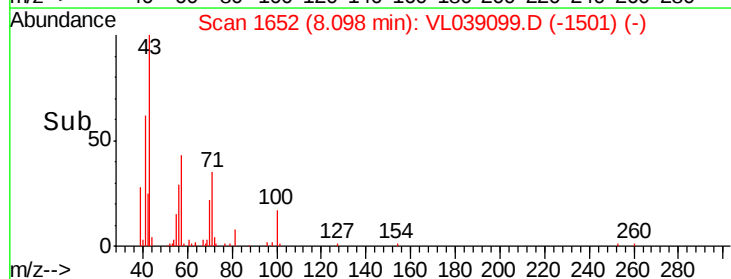
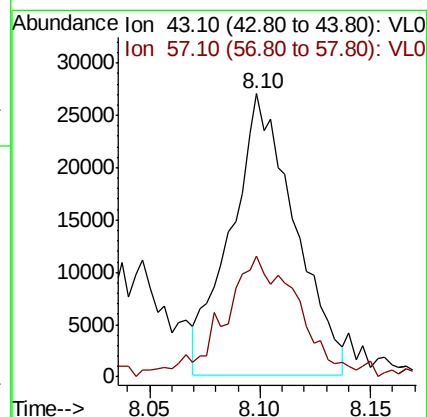
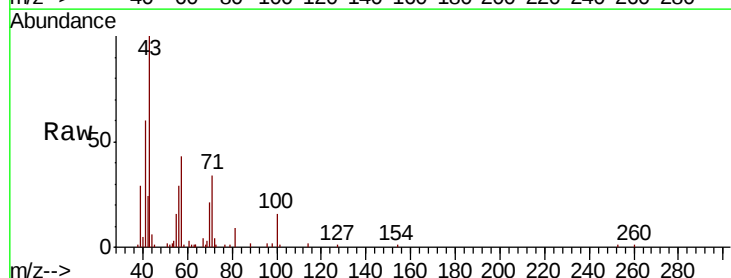
Acq: 24 May 2022 1:04

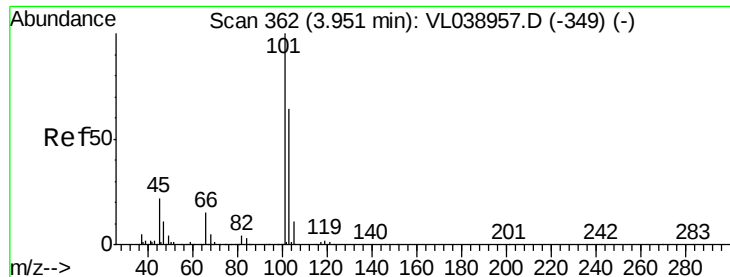
Tgt Ion: 43 Resp: 53826

Ion Ratio Lower Upper

43 100

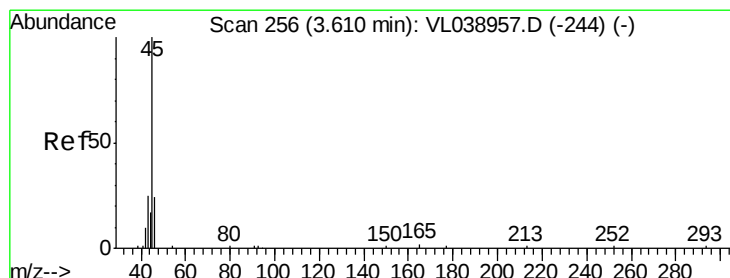
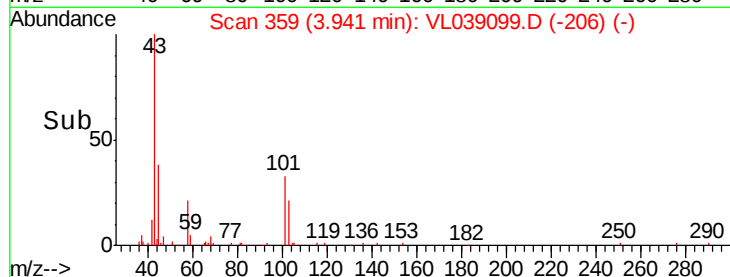
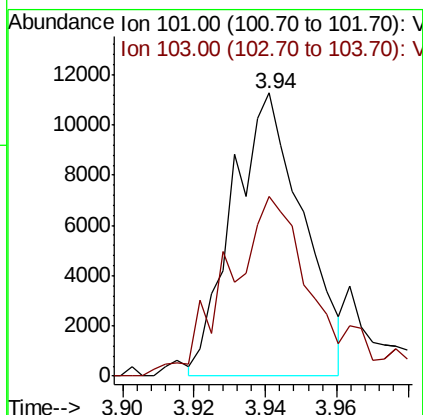
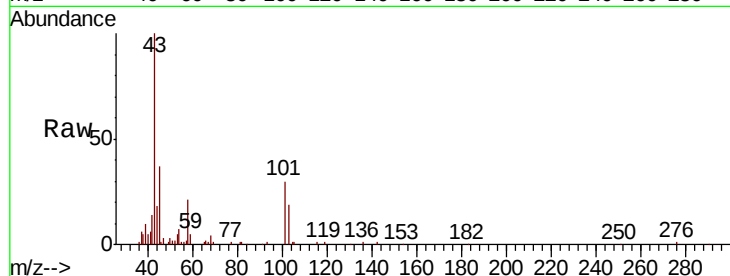
57 52.4 40.5 60.7





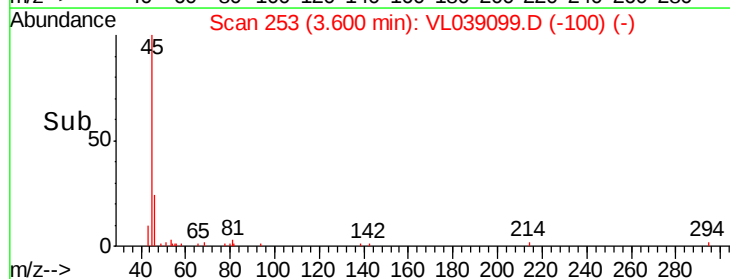
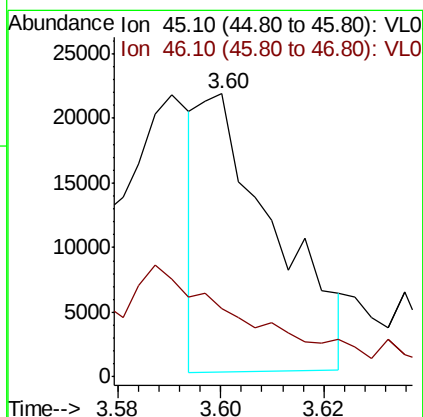
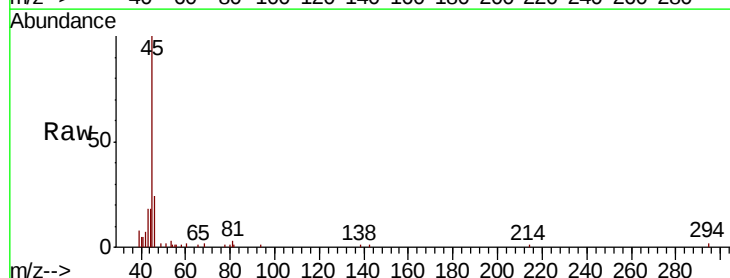
#11
 Trichlorofluoromethane
 Concen: 0.085 ppbv
 RT: 3.94 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 May 2022 1:04

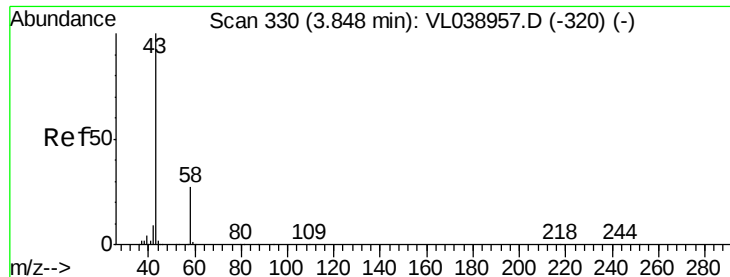
Tot Ion: 101 Resp: 15401
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.5 77.3



#13
 Ethanol
 Concen: 4.190 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VL039099.D
 Acq: 24 May 2022 1:04

Tgt Ion: 45 Resp: 21752
 Ion Ratio Lower Upper
 45 100
 46 0.0 18.0 72.2#





#15

Acetone

Concen: 29.852 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

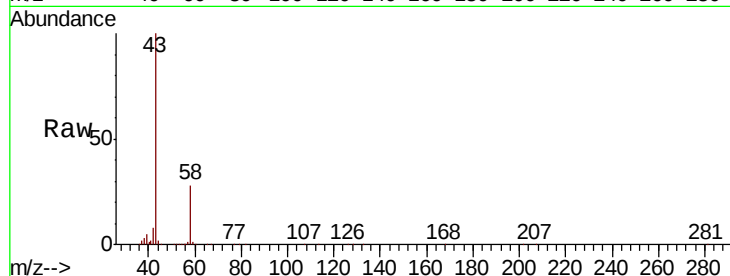
Acq: 24 May 2022 1:04

Tot Ion: 43 Resp: 3812115

Ion Ratio Lower Upper

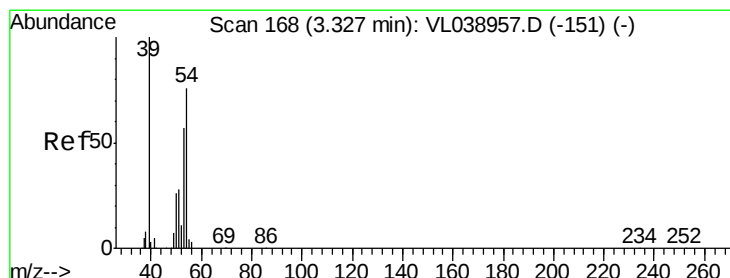
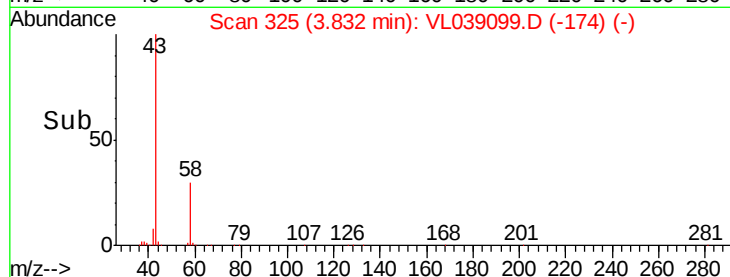
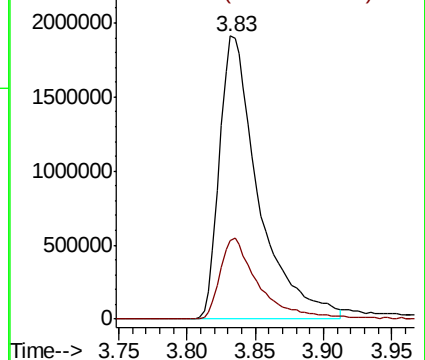
43 100

58 29.1 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: 8.508 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.03 min

Lab File: VL039099.D

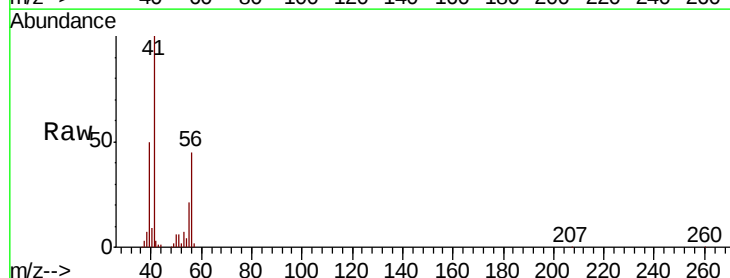
Acq: 24 May 2022 1:04

Tgt Ion: 39 Resp: 624214

Ion Ratio Lower Upper

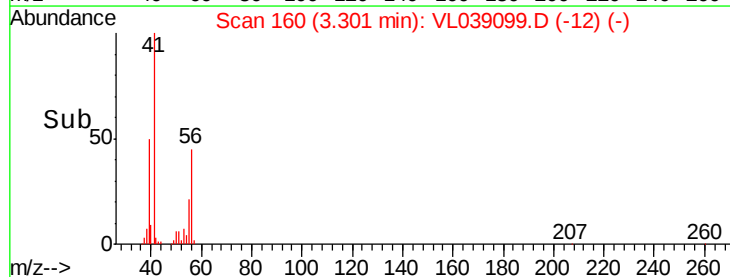
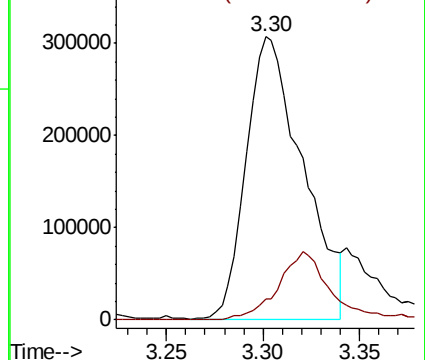
39 100

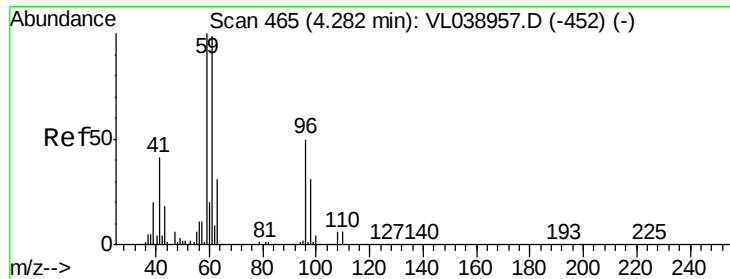
54 22.4 65.2 97.8#



Abundance Ion 39.10 (38.80 to 39.80): VL0

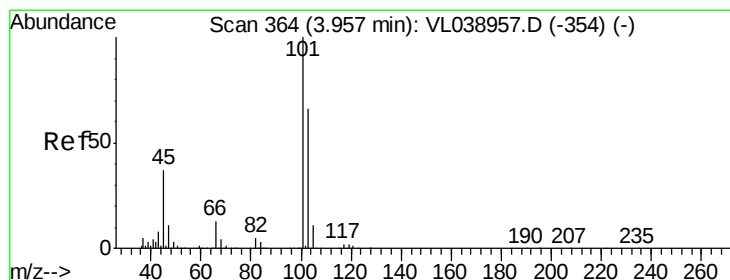
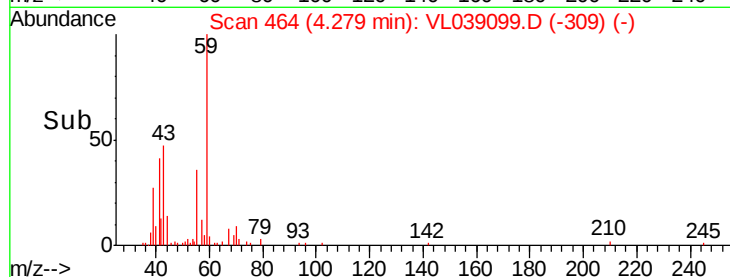
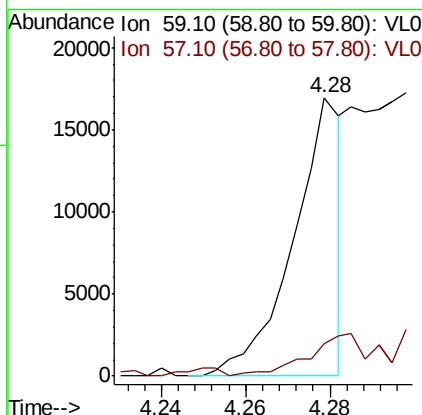
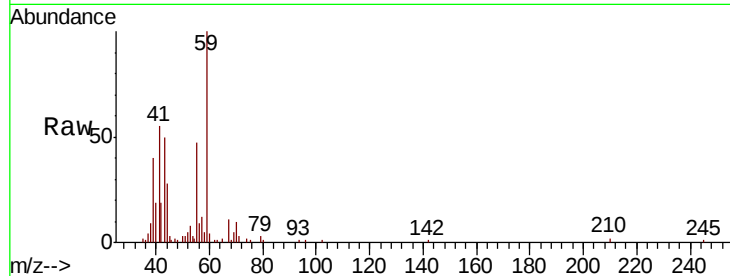
Ion 54.10 (53.80 to 54.80): VL0





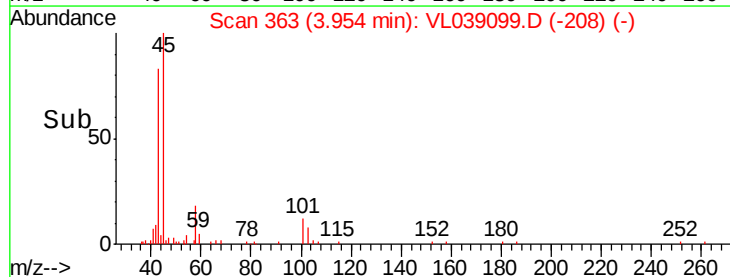
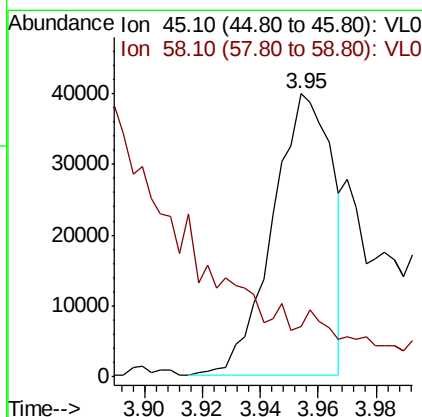
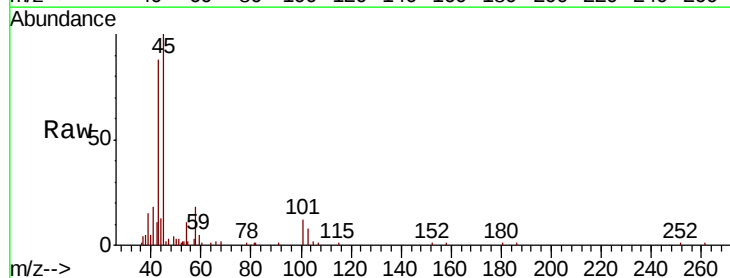
#17
tert-Butyl alcohol
Concen: 0.136 ppbv
RT: 4.28
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VP-2DL
Acq: 24 May 2022 1:04

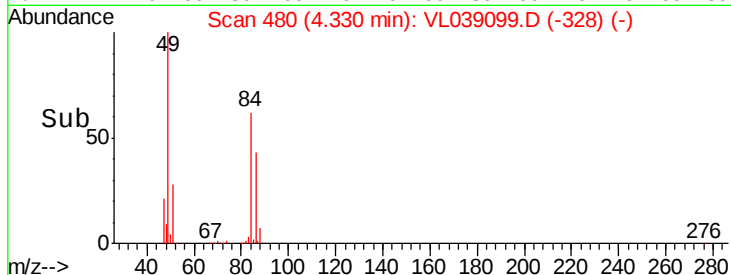
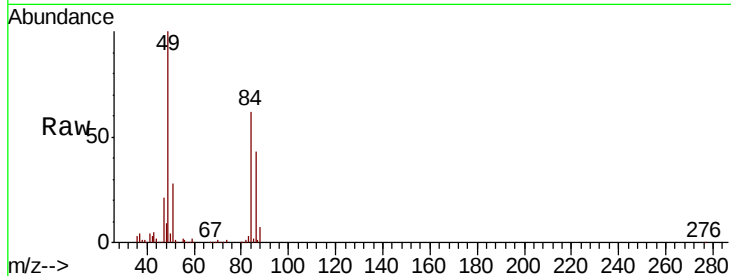
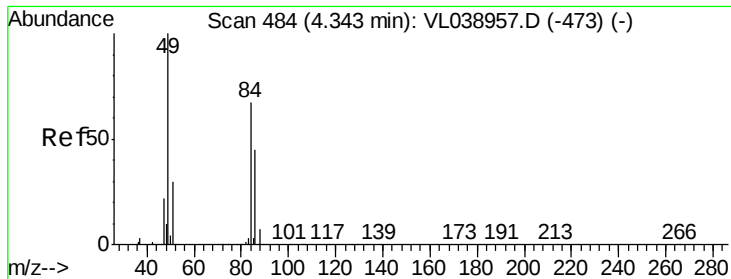
Tot Ion: 59 Resp: 13363
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#



#19
Isopropyl Alcohol
Concen: 0.937 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

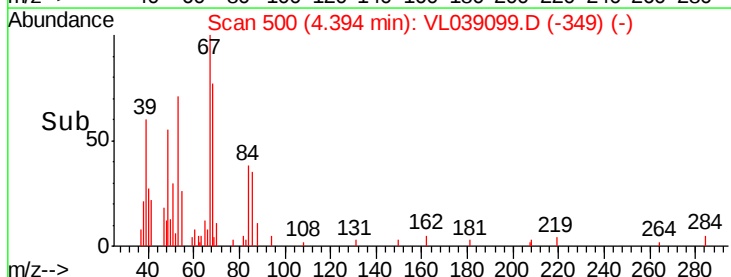
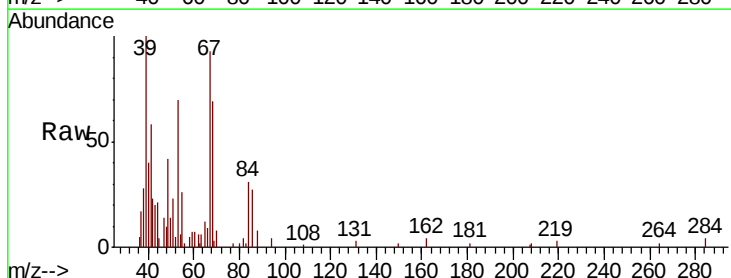
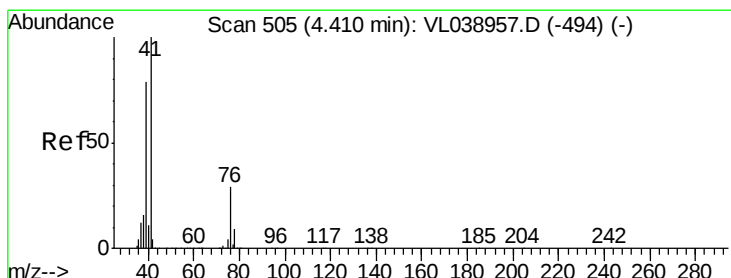
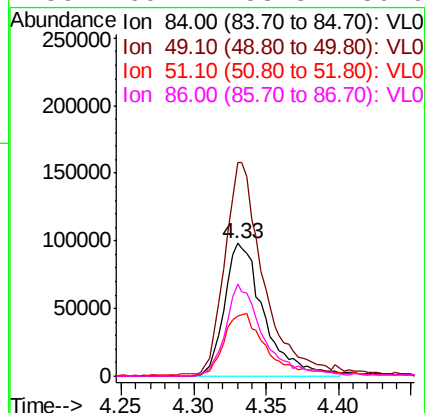
Tgt Ion: 45 Resp: 56908
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#





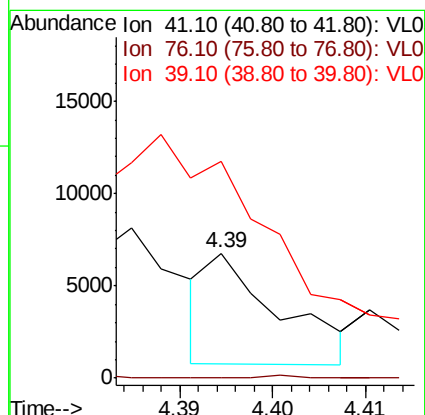
#20
Methylene Chloride
Concen: 3.812 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 May 2022 1:04

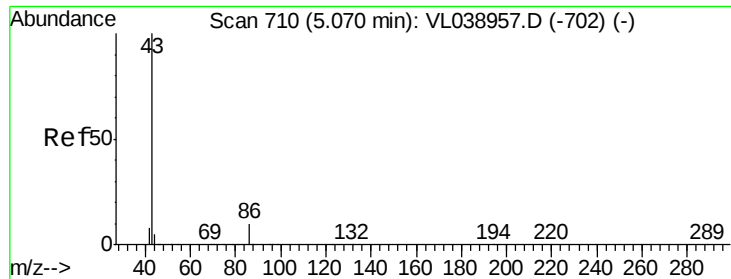
Tot Ion:	84	Resp:	183469
Ion	Ratio	Lower	Upper
84	100		
49	160.3	119.9	179.9
51	43.2	35.7	53.5
86	69.1	53.8	80.6



#21
Allyl Chloride
Concen: 0.037 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.02 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Tgt Ion:	41	Resp:	3235
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.4#
39	0.0	63.8	95.8#





#23

Vinyl Acetate

Concen: 0.181 ppbv

RT: 5.05 Instrument:

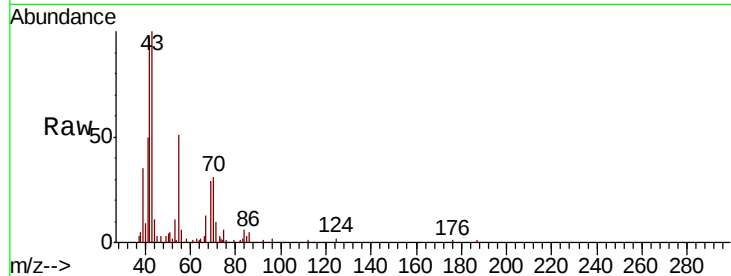
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

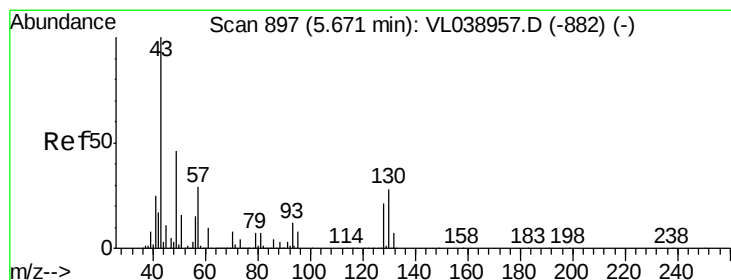
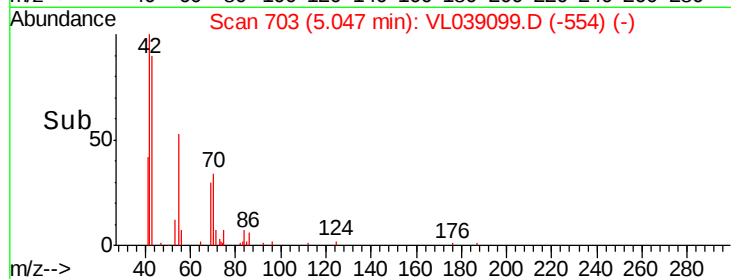
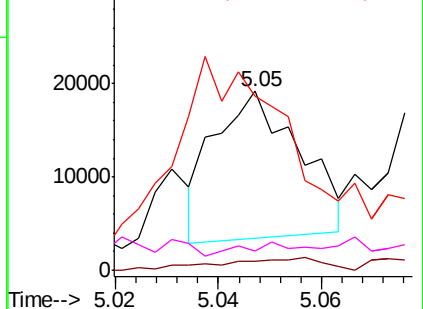
Acq: 24 May 2022 1:04

Tot Ion: 43 Resp: 18304

Ion	Ratio	Lower	Upper
43	100		
86	5.3	6.6	9.8#
42	98.5	8.1	12.1#
44	0.0	3.5	5.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.581 ppbv

RT: 5.67 min Scan# 897

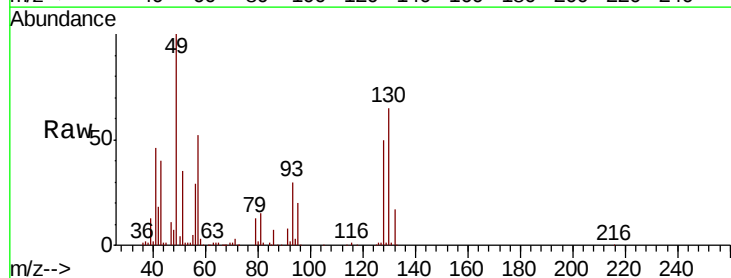
Delta R.T. 0.00 min

Lab File: VL039099.D

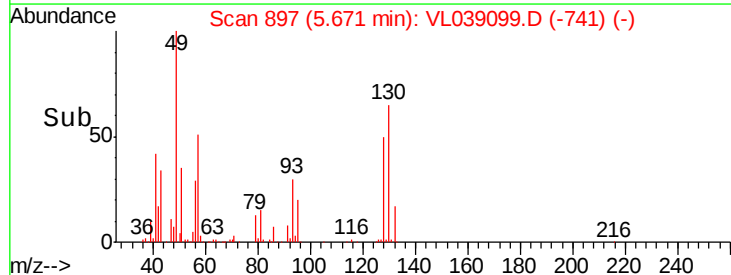
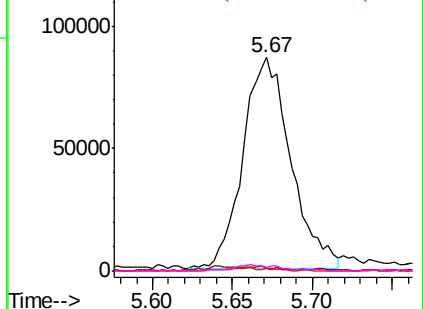
Acq: 24 May 2022 1:04

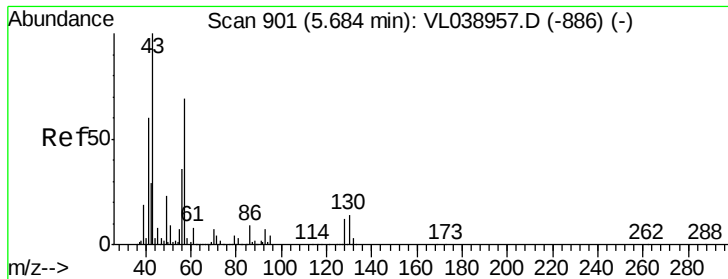
Tgt Ion: 43 Resp: 177532

Ion	Ratio	Lower	Upper
43	100		
45	3.0	8.1	12.1#
61	1.6	7.8	11.6#
70	3.1	5.6	8.4#



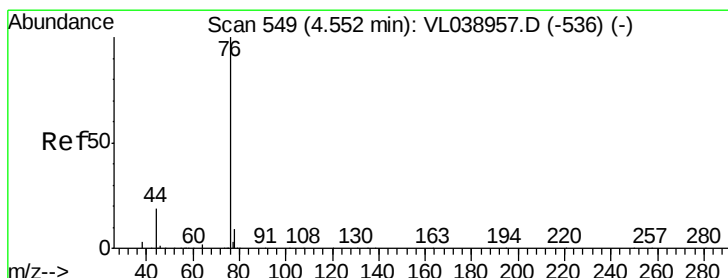
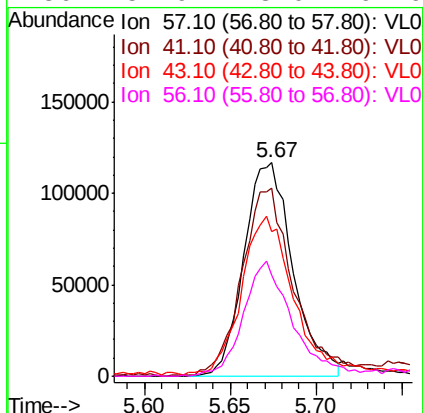
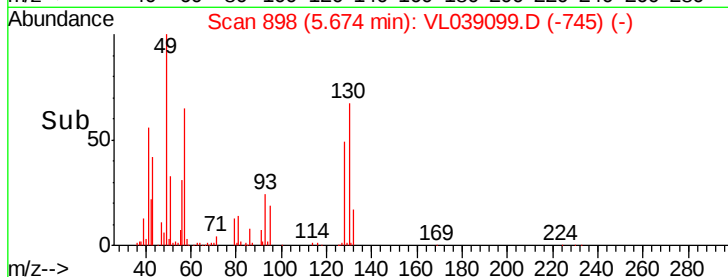
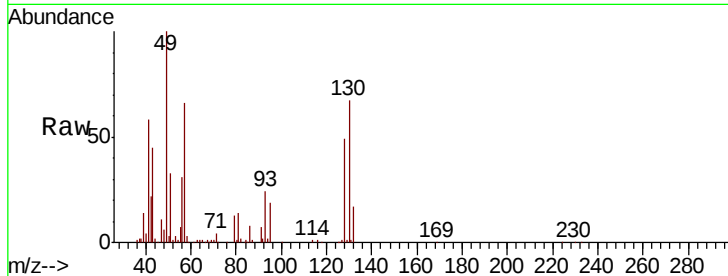
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 45.10 (44.80 to 45.80): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 70.10 (69.80 to 70.80): VL0





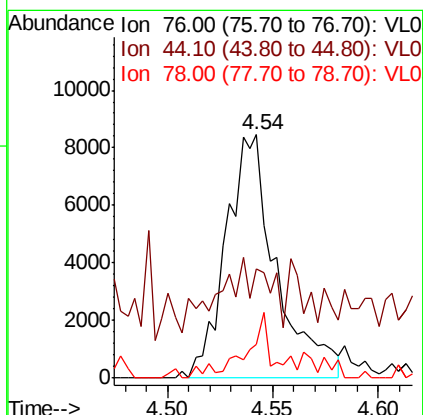
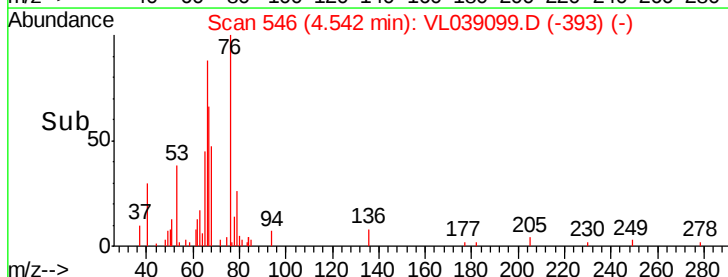
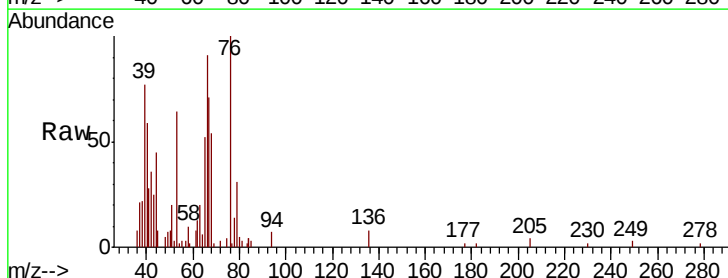
#26
Hexane
Concen: 1.698 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 May 2022 1:04

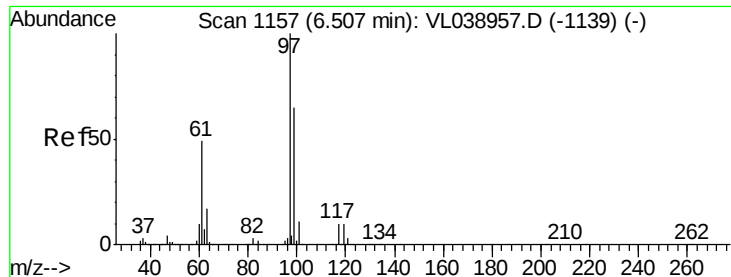
Tot Ion:	57	Resp:	230543
Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.2	112.8
43	80.9	190.8	286.2#
56	54.9	43.0	64.6



#27
Carbon Disulfide
Concen: 0.108 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.01 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

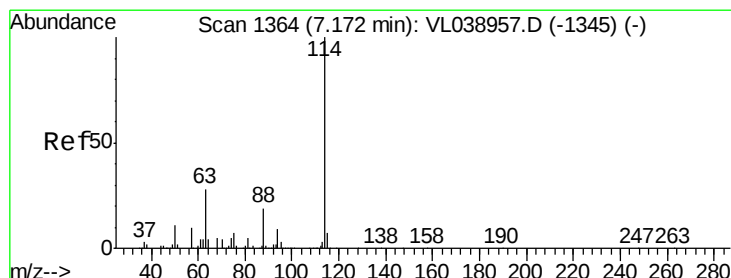
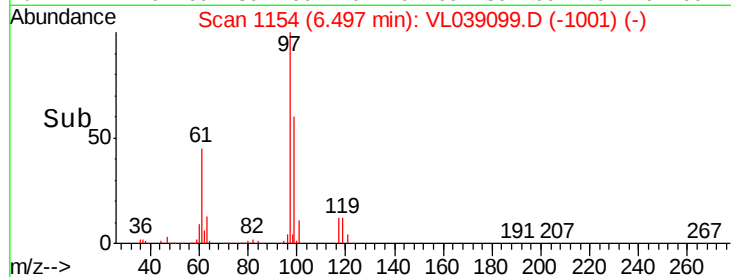
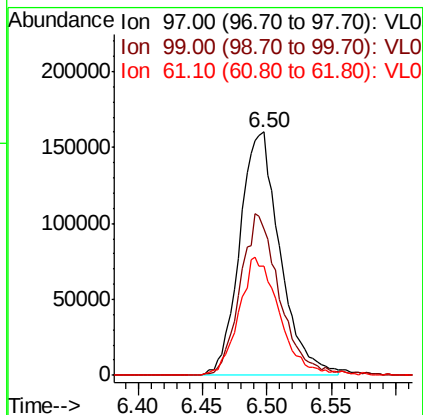
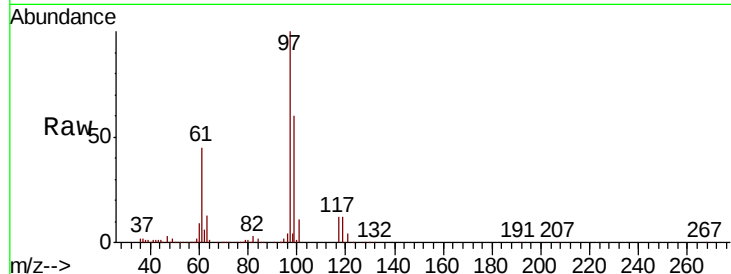
Tgt Ion:	76	Resp:	13988
Ion	Ratio	Lower	Upper
76	100		
44	57.4	15.3	22.9#
78	20.2	8.2	12.2#





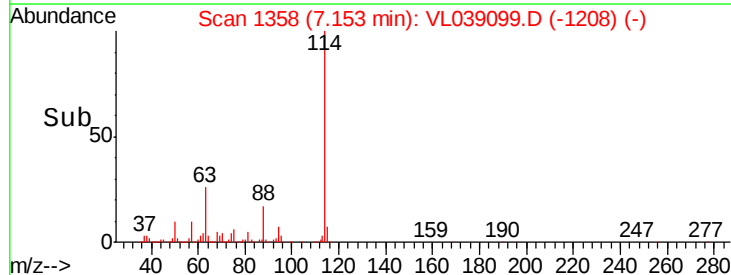
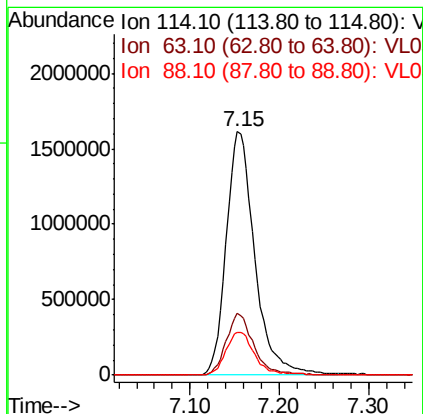
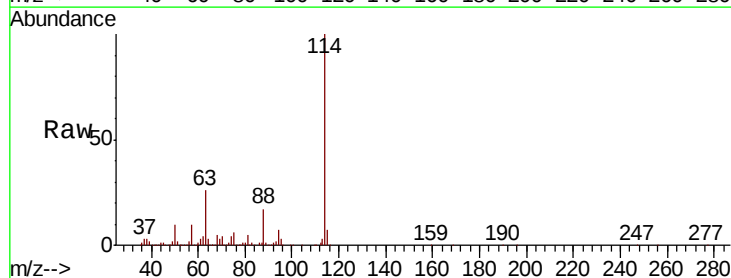
#32
 1,1,1-Trichloroethane
 Concen: 1.586 ppbv
 RT: 6.50
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 May 2022 1:04

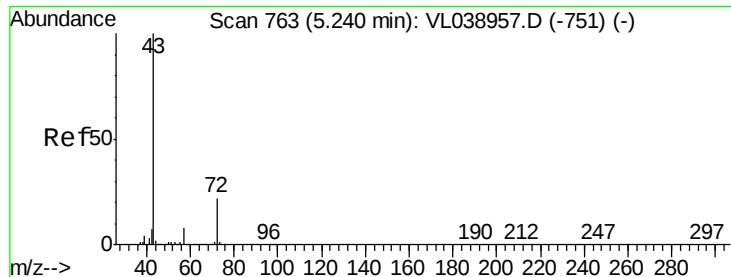
Tot Ion	97	Resp	348374
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.9	77.9
61	49.3	40.9	61.3



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VL039099.D
 Acq: 24 May 2022 1:04

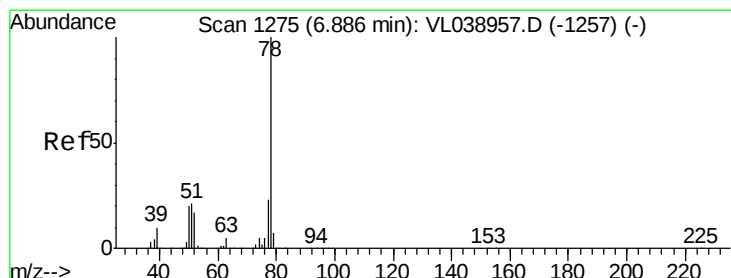
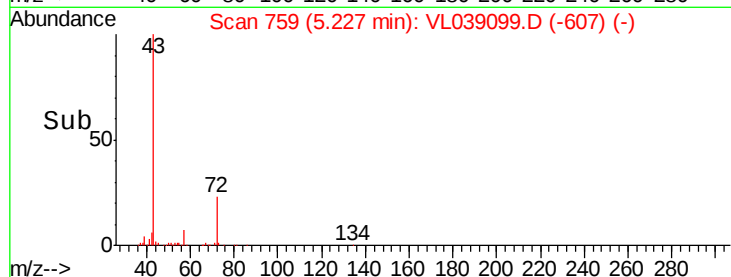
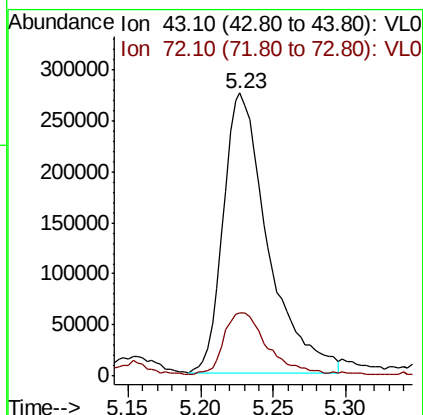
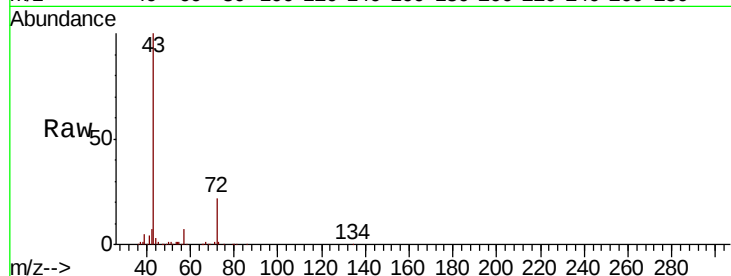
Tgt Ion	114	Resp	3581869
Ion	Ratio	Lower	Upper
114	100		
63	24.6	22.6	33.8
88	18.0	15.4	23.0





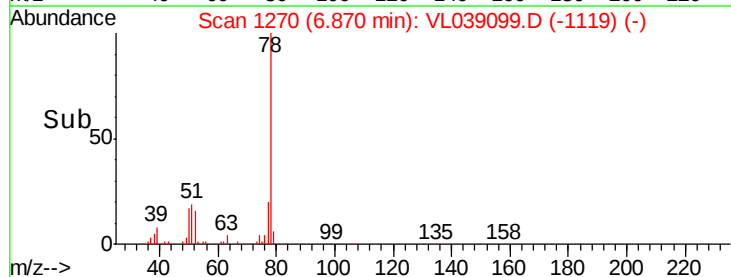
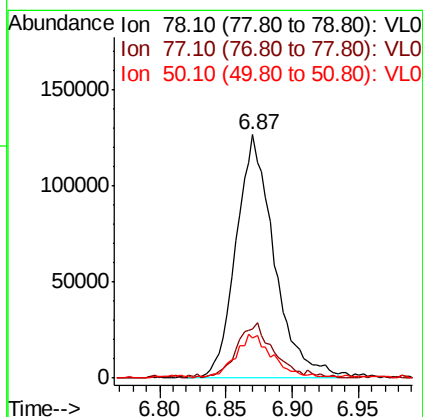
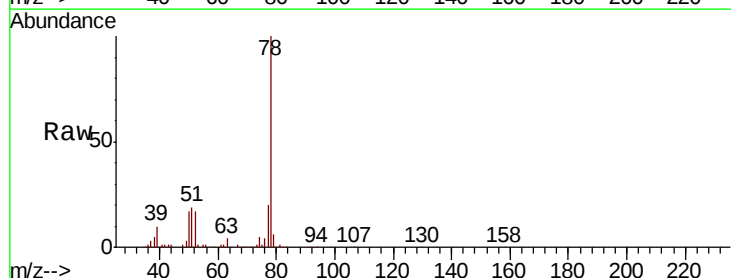
#34
 2-Butanone
 Concen: 3.204 ppbv
 RT: 5.23
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 May 2022 1:04

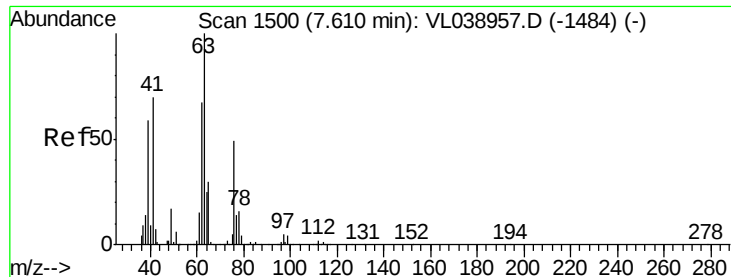
Tot Ion: 43 Resp: 585453
 Ion Ratio Lower Upper
 43 100
 72 23.9 17.8 26.6



#36
 Benzene
 Concen: 0.823 ppbv
 RT: 6.87 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VL039099.D
 Acq: 24 May 2022 1:04

Tgt Ion: 78 Resp: 252364
 Ion Ratio Lower Upper
 78 100
 77 20.0 18.6 28.0
 50 16.1 15.6 23.4





#39

1,2-Dichloropropane

Concen: 7.217 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 May 2022 1:04

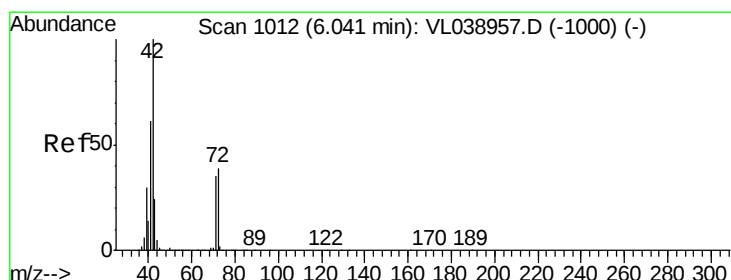
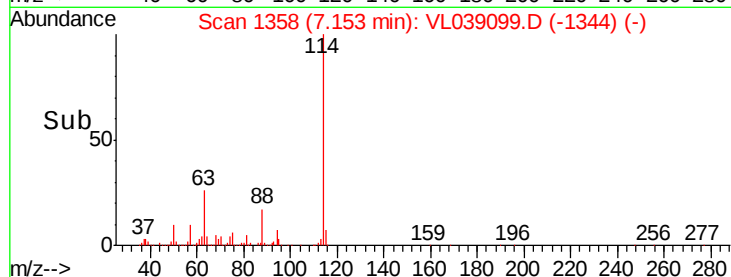
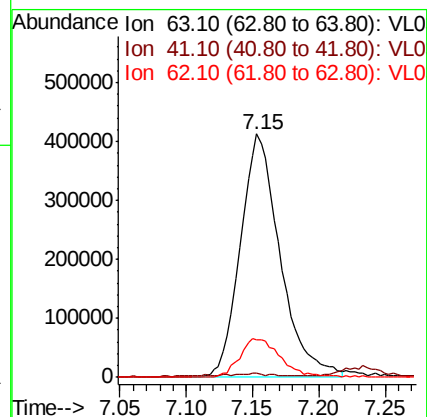
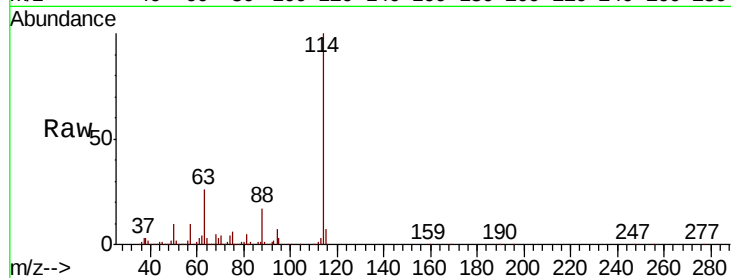
Tot Ion: 63 Resp: 860714

Ion Ratio Lower Upper

63 100

41 0.9 55.9 83.9#

62 15.5 53.8 80.6#



#41

Tetrahydrofuran

Concen: 1.246 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VL039099.D

Acq: 24 May 2022 1:04

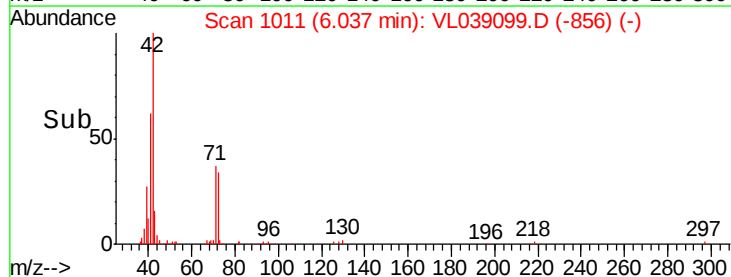
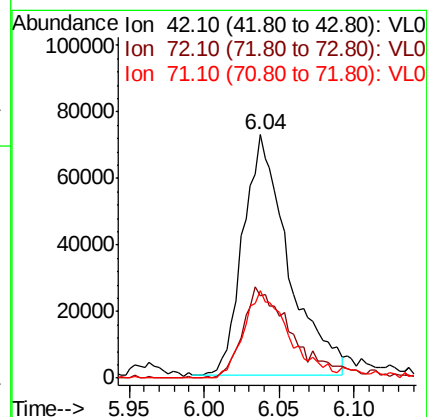
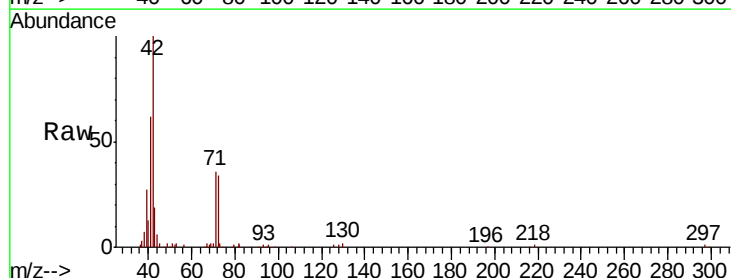
Tgt Ion: 42 Resp: 152968

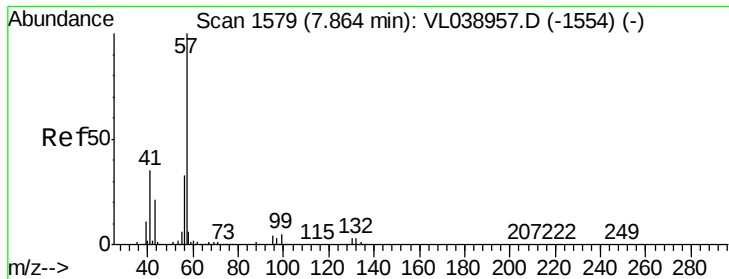
Ion Ratio Lower Upper

42 100

72 42.7 31.8 47.6

71 39.8 30.6 45.8





#44

2,2,4-Trimethylpentane

Concen: 0.036 ppbv

RT: 7.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 May 2022 1:04

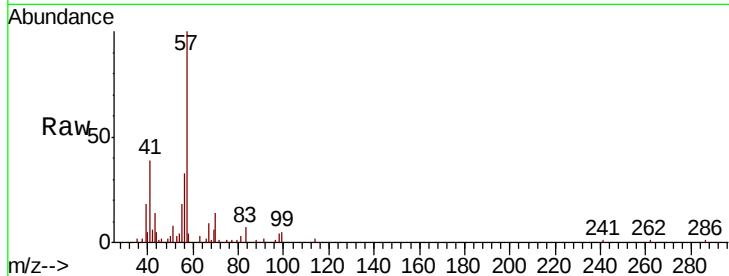
Tot Ion: 57 Resp: 19339

Ion Ratio Lower Upper

57 100

41 0.0 26.3 39.5#

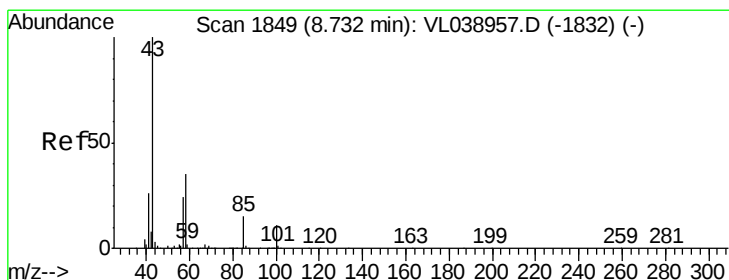
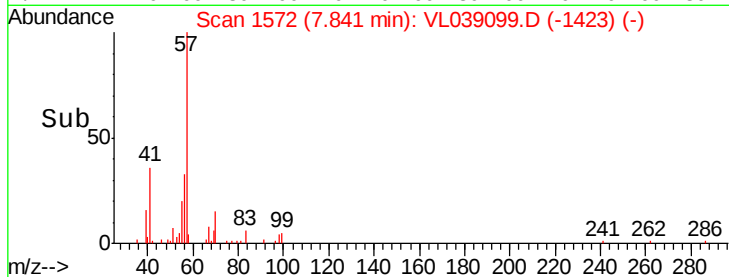
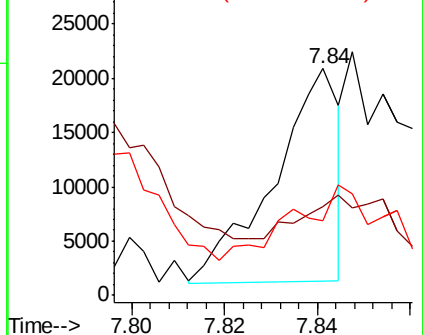
56 0.0 24.6 37.0#



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: 0.383 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.00 min

Lab File: VL039099.D

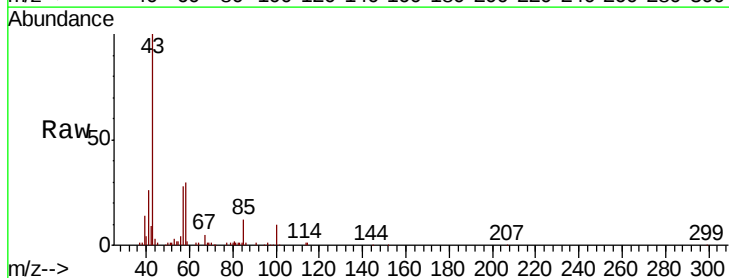
Acq: 24 May 2022 1:04

Tgt Ion: 43 Resp: 122845

Ion Ratio Lower Upper

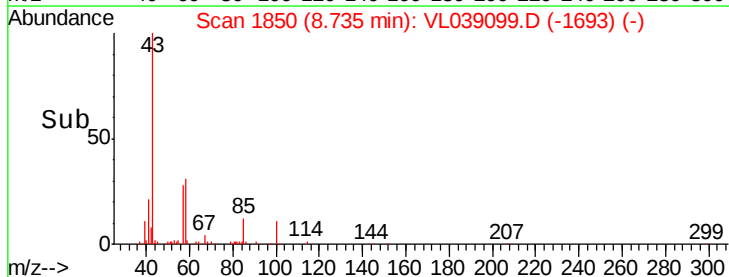
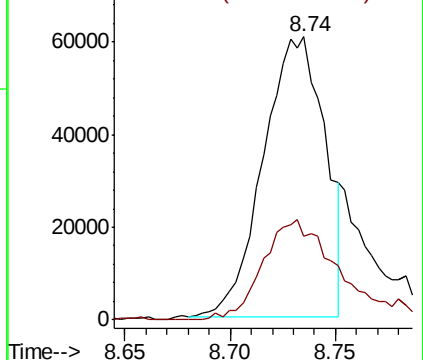
43 100

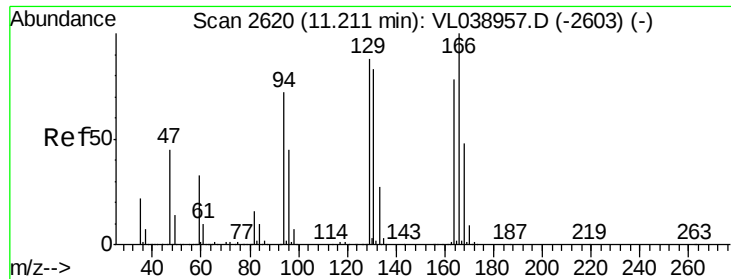
58 47.4 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#52

Tetrachloroethene

Concen: 0.046 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 May 2022 1:04

Tot Ion:164 Resp: 5066

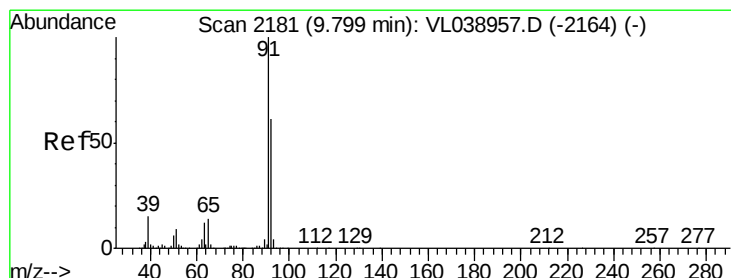
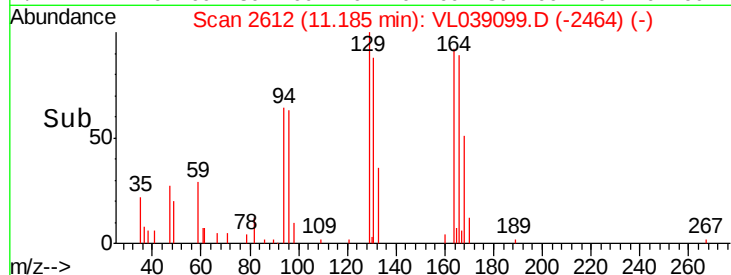
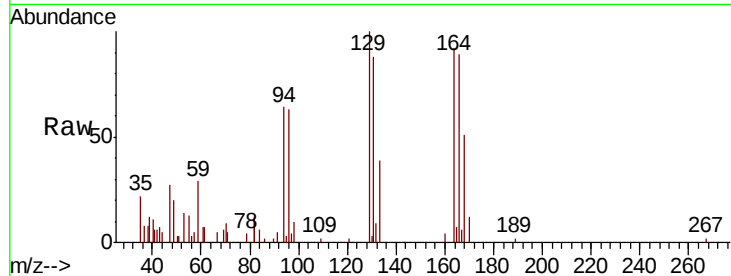
Ion Ratio Lower Upper

164 100

166 85.5 102.5 153.7#

129 102.9 90.1 135.1

131 88.9 84.8 127.2



#53

Toluene

Concen: 1.071 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.02 min

Lab File: VL039099.D

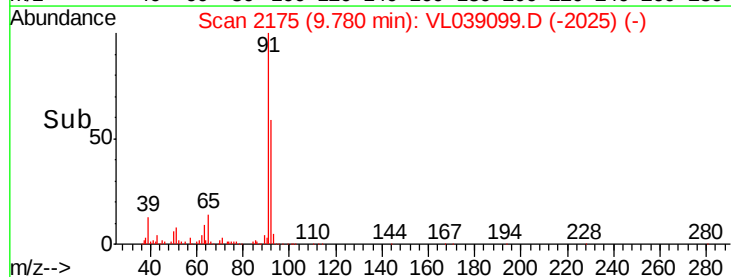
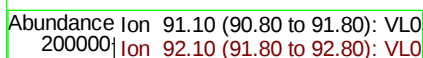
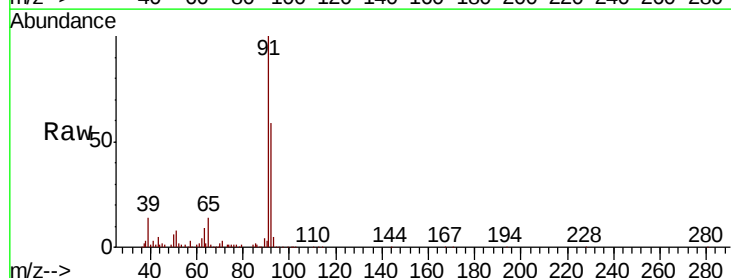
Acq: 24 May 2022 1:04

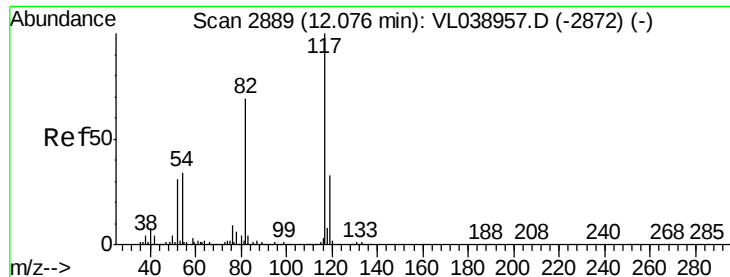
Tgt Ion: 91 Resp: 368074

Ion Ratio Lower Upper

91 100

92 62.7 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 May 2022 1:04

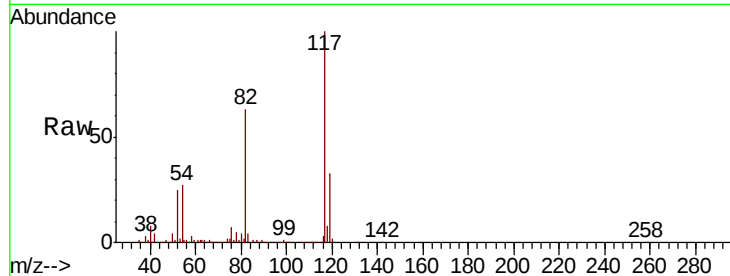
Tot Ion:117 Resp: 3140286

Ion Ratio Lower Upper

117 100

82 68.0 57.0 85.6

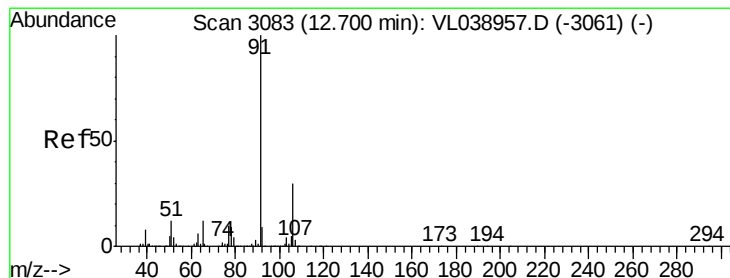
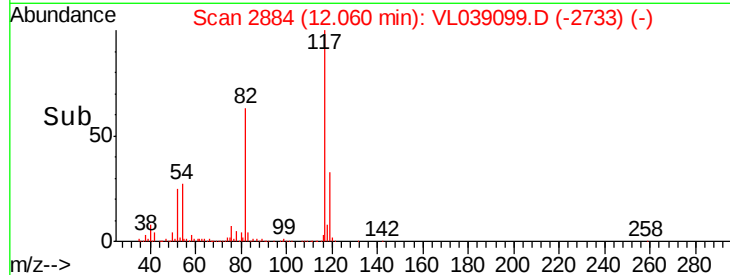
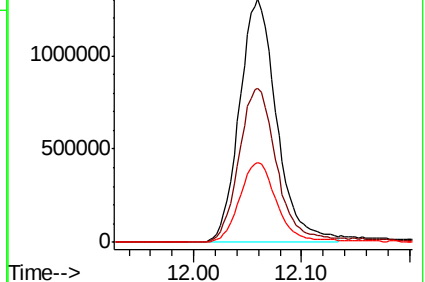
119 33.6 27.2 40.8



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.302 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL039099.D

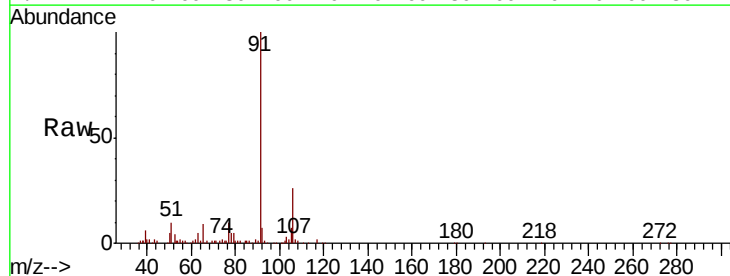
Acq: 24 May 2022 1:04

Tgt Ion: 91 Resp: 136627

Ion Ratio Lower Upper

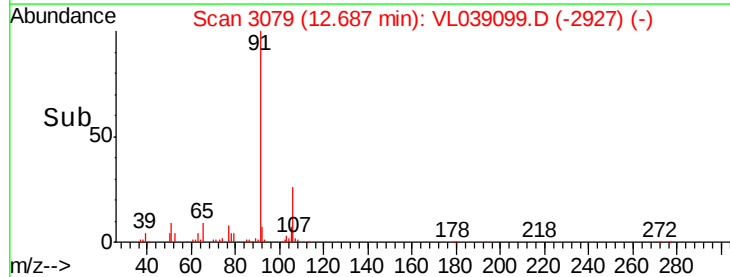
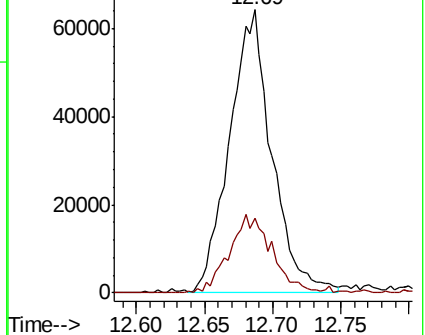
91 100

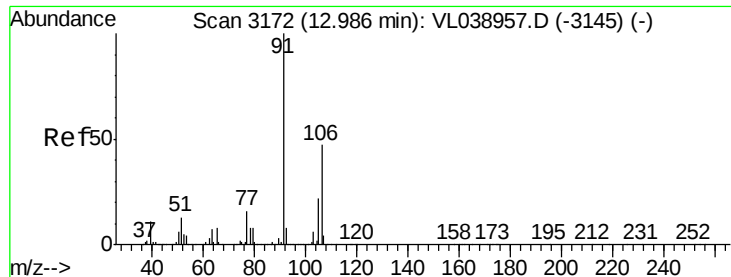
106 26.0 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

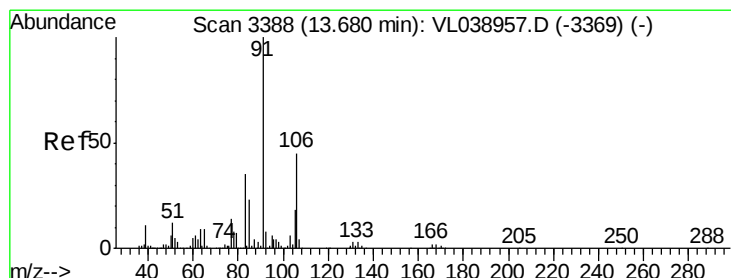
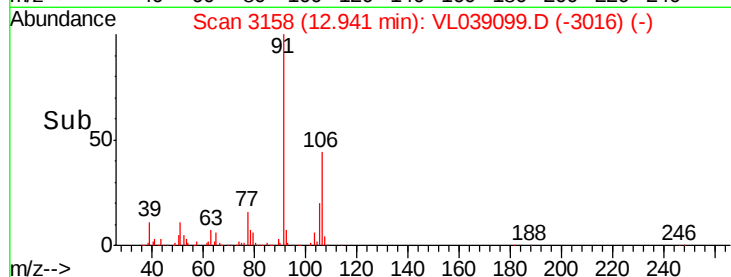
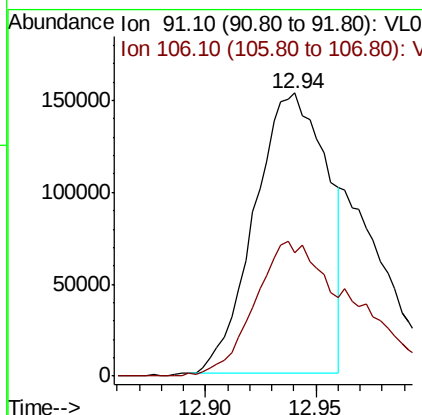
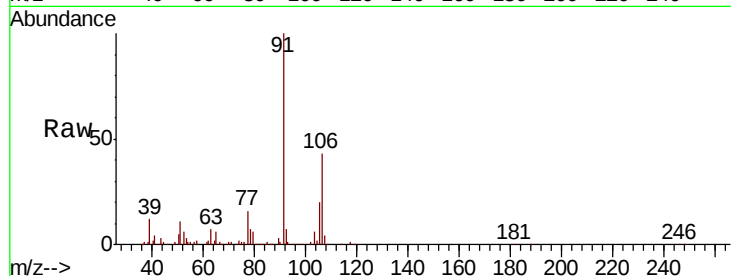
Ion 106.10 (105.80 to 106.80): V





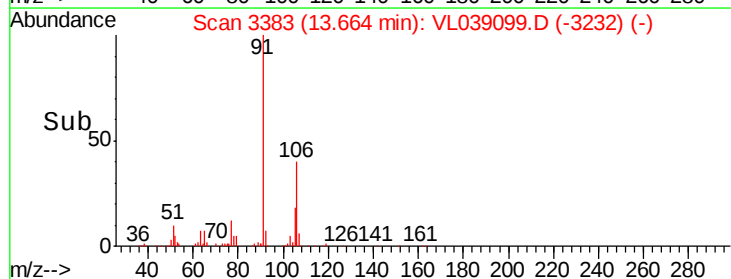
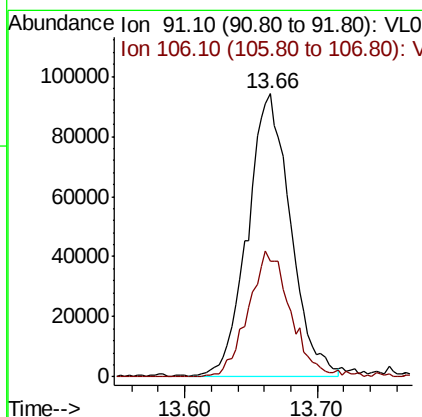
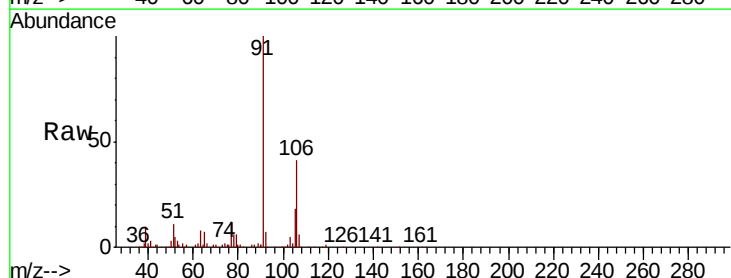
#59
m/p-Xylene
Concen: 0.901 ppbv
RT: 12.94
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VP-2DL
Acq: 24 May 2022 1:04

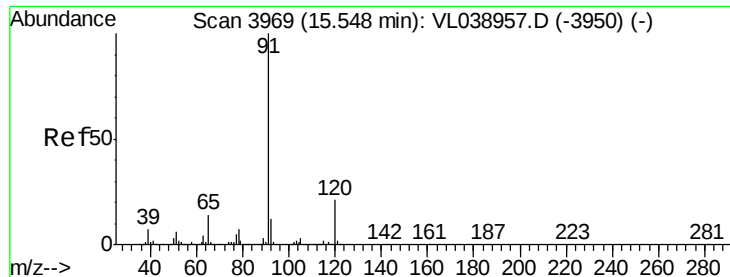
Tot Ion: 91 Resp: 347699
Ion Ratio Lower Upper
91 100
106 66.9 34.6 52.0#



#60
o-Xylene
Concen: 0.578 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.02 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Tgt Ion: 91 Resp: 209904
Ion Ratio Lower Upper
91 100
106 44.9 22.2 66.6





#64

n-propylbenzene

Concen: 0.052 ppbv

RT: 15.53 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

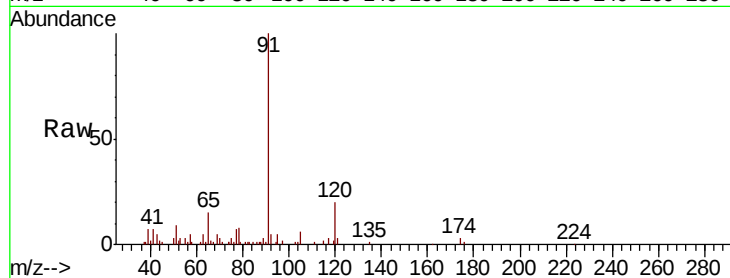
Acq: 24 May 2022 1:04

Tot Ion:120 Resp: 6729

Ion Ratio Lower Upper

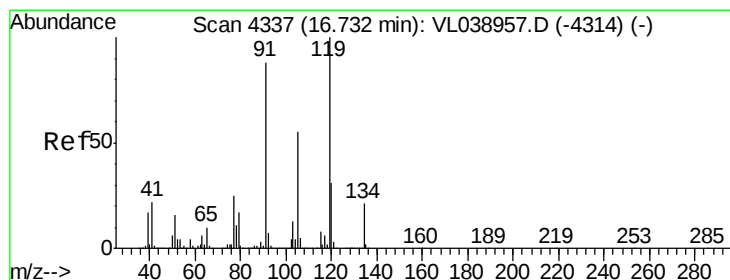
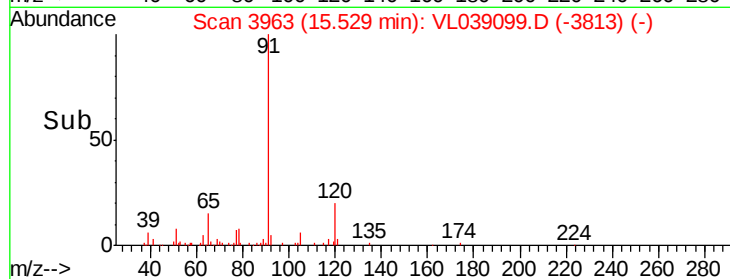
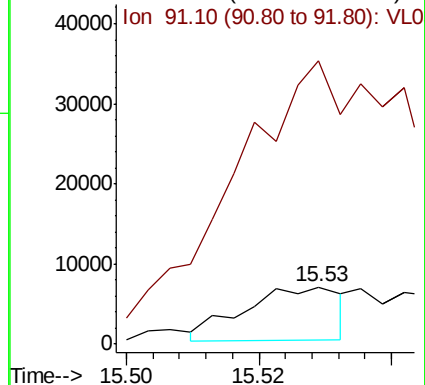
120 100

91 1254.4 400.6 601.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.068 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.00 min

Lab File: VL039099.D

Acq: 24 May 2022 1:04

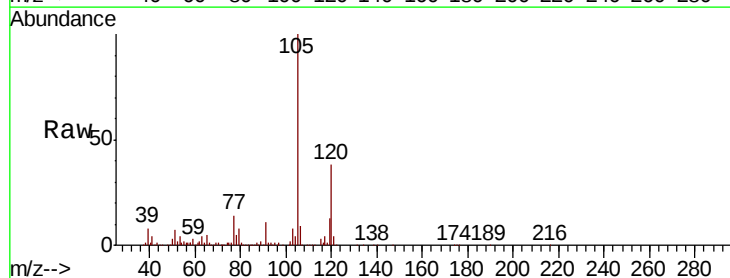
Tgt Ion:119 Resp: 31583

Ion Ratio Lower Upper

119 100

91 0.0 69.4 104.2#

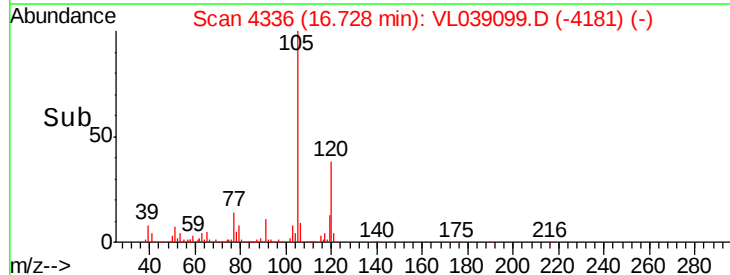
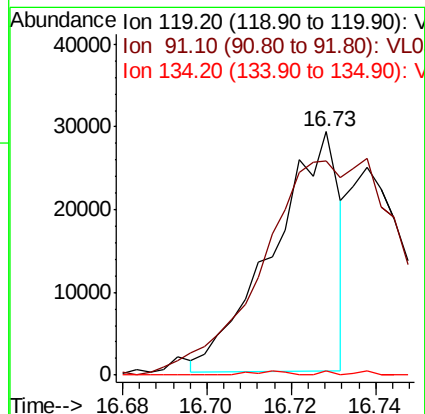
134 1.2 15.8 23.8#

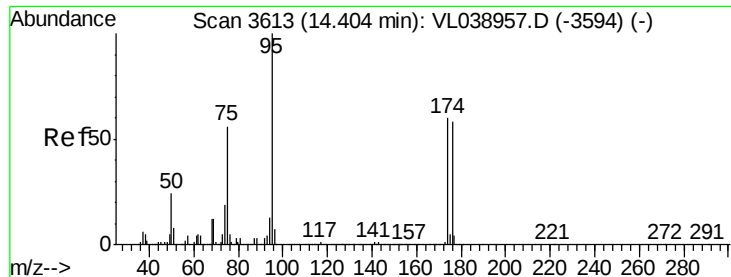


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

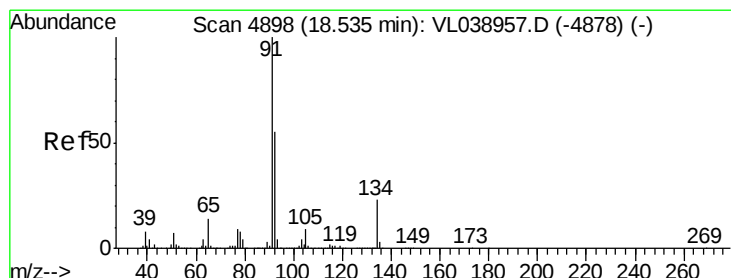
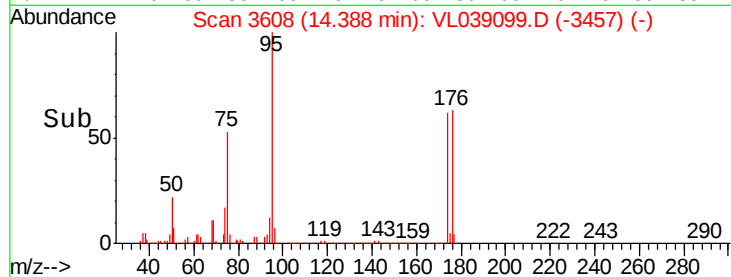
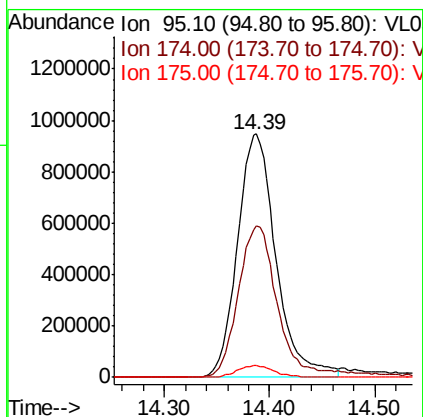
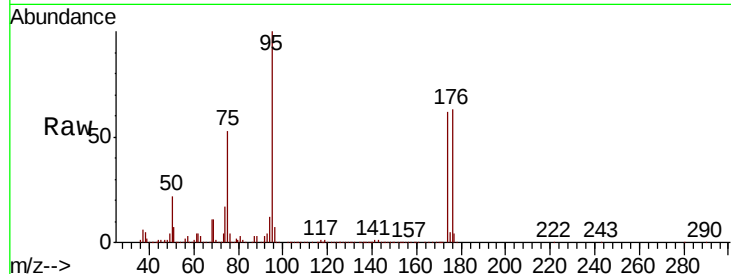
Ion 134.20 (133.90 to 134.90): V





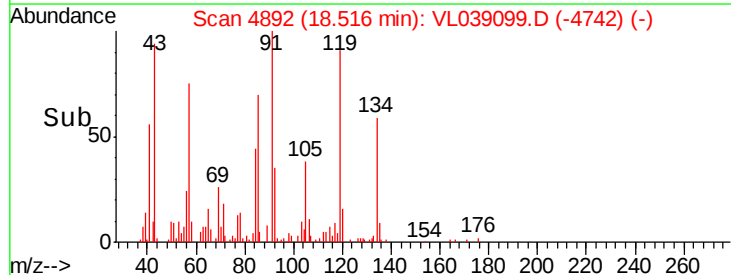
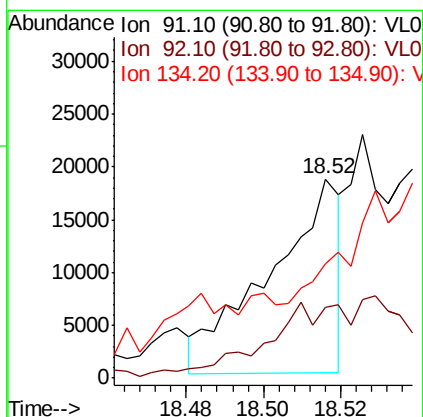
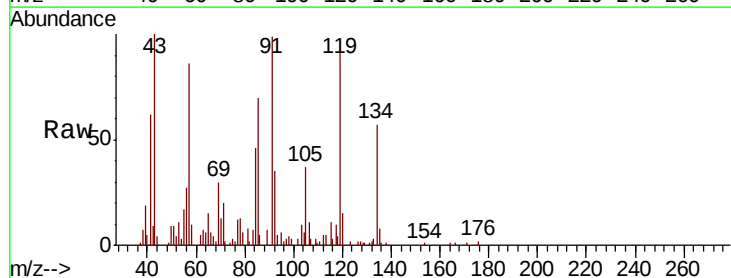
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.656 ppbv
 RT: 14.39
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 Acq: 24 May 2022 1:04

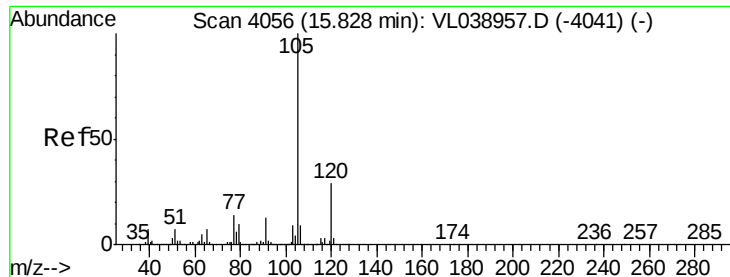
Tot Ion: 95 Resp: 2401487
 Ion Ratio Lower Upper
 95 100
 174 66.3 50.8 76.2
 175 4.9 3.8 5.6



#70
 n-Butylbenzene
 Concen: 0.041 ppbv
 RT: 18.52 min Scan# 4892
 Delta R.T. -0.02 min
 Lab File: VL039099.D
 Acq: 24 May 2022 1:04

Tgt Ion: 91 Resp: 23298
 Ion Ratio Lower Upper
 91 100
 92 0.0 43.1 64.7#
 134 0.0 17.0 25.4#





#72

4-Ethyltoluene

Concen: 0.306 ppbv

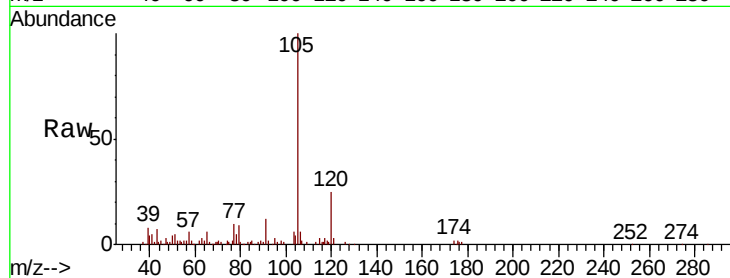
RT: 15.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 May 2022 1:04

Tot Ion:	105	Resp:	126480
Ion Ratio		Lower	Upper
105	100		
120	30.2	23.4	35.0
91	14.1	10.6	16.0
77	14.9	12.5	18.7



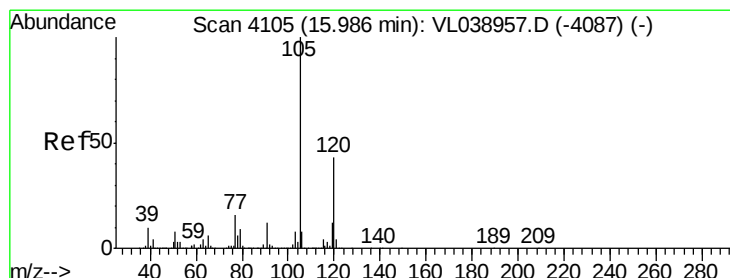
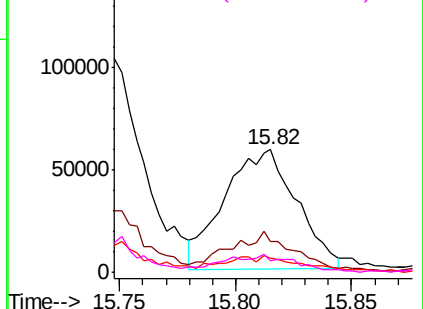
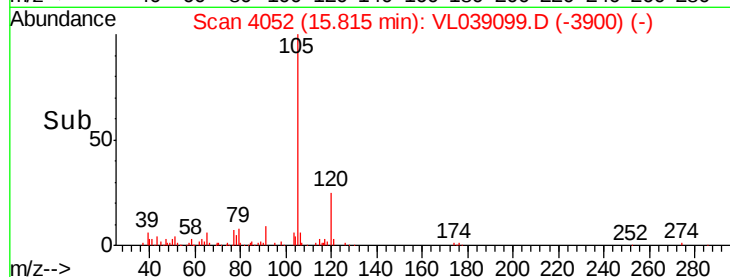
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.394 ppbv

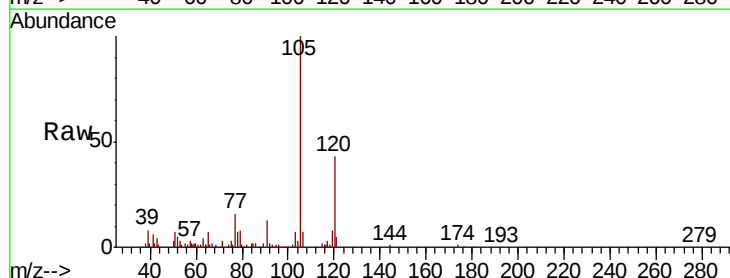
RT: 15.97 min Scan# 4099

Delta R.T. -0.02 min

Lab File: VL039099.D

Acq: 24 May 2022 1:04

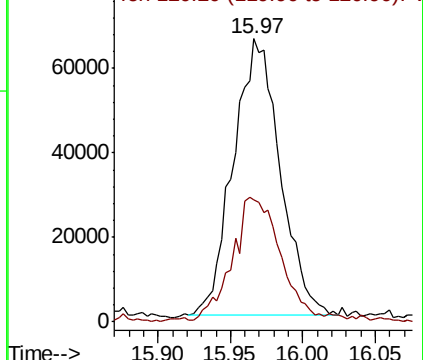
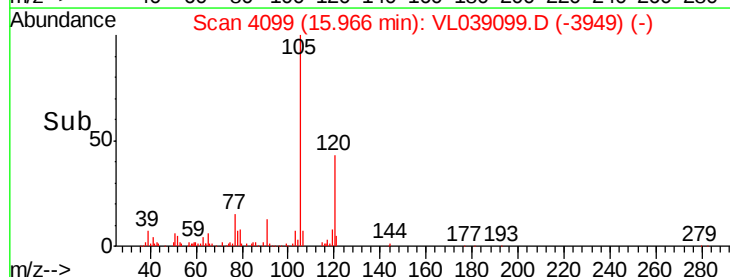
Tgt Ion:	105	Resp:	146646
Ion Ratio		Lower	Upper
105	100		
120	43.7	34.4	51.6

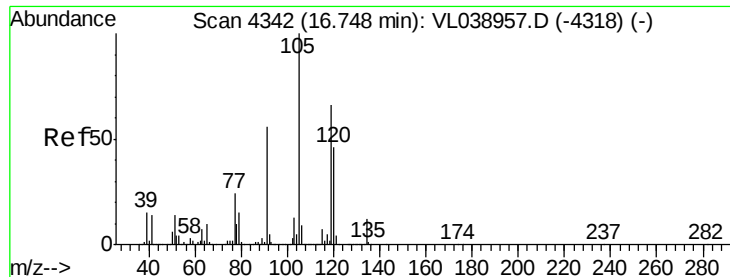


Abundance

Ion 105.10 (104.80 to 105.80): V

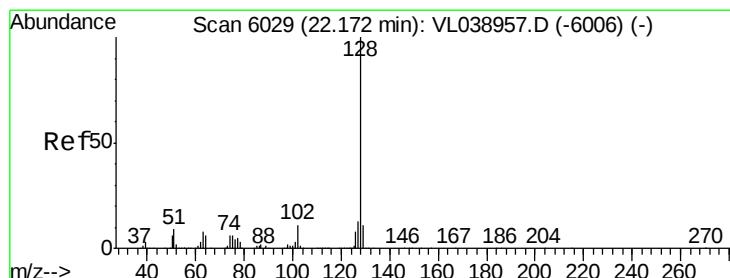
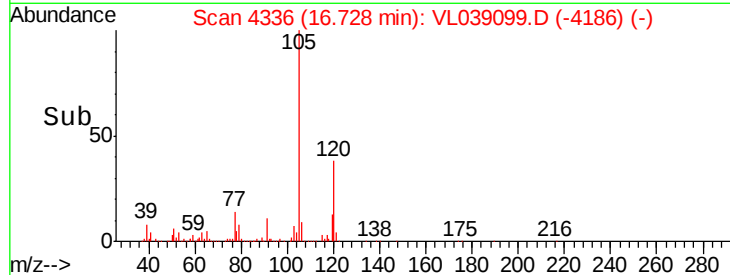
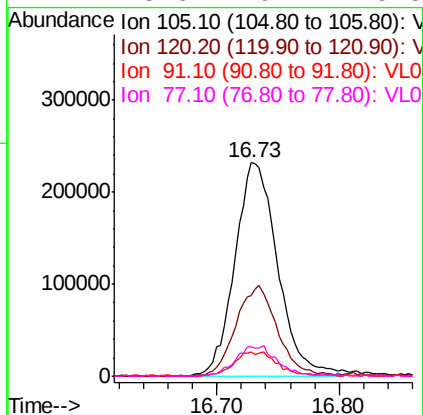
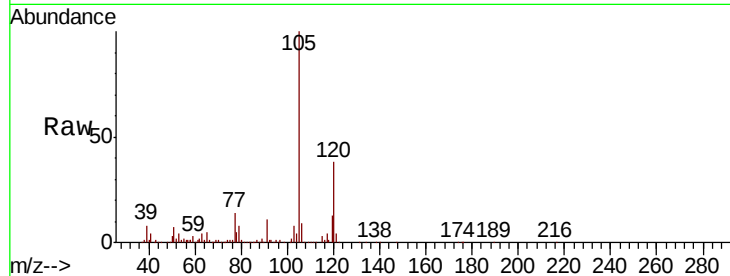
Ion 120.20 (119.90 to 120.90): V





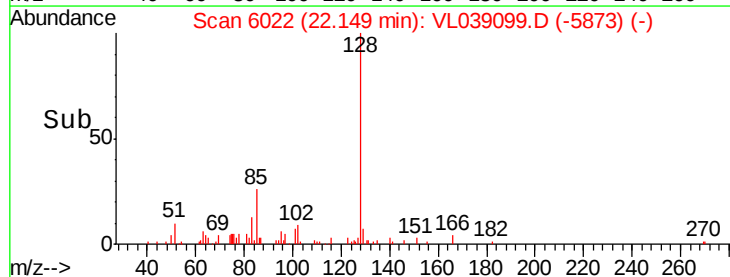
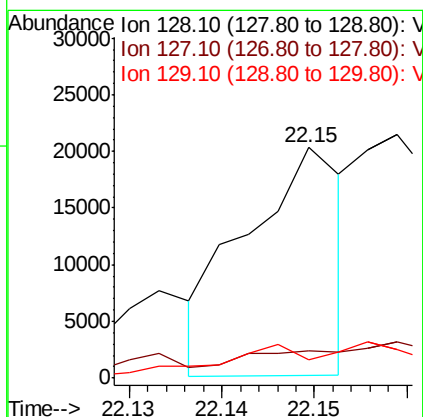
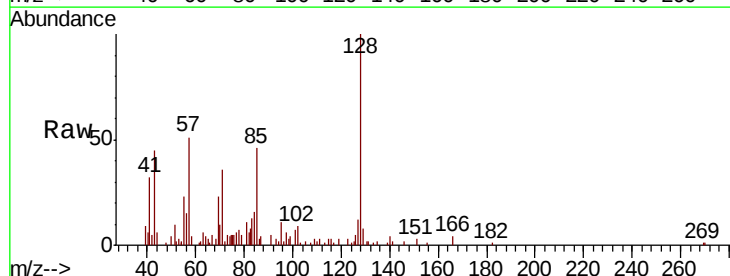
#74
 1,2,4-Trimethylbenzene
 Concen: 1.369 ppbv
 RT: 16.73 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 May 2022 1:04

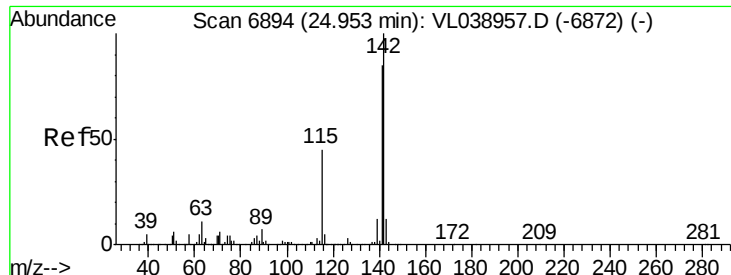
Tot Ion:	105	Resp:	558369
Ion Ratio	Lower	Upper	
105	100		
120	38.0	36.9	55.3
91	11.2	45.0	67.4#
77	13.6	19.2	28.8#



#79
 Naphthalene
 Concen: 0.045 ppbv
 RT: 22.15 min Scan# 6022
 Delta R.T.: -0.02 min
 Lab File: VL039099.D
 Acq: 24 May 2022 1:04

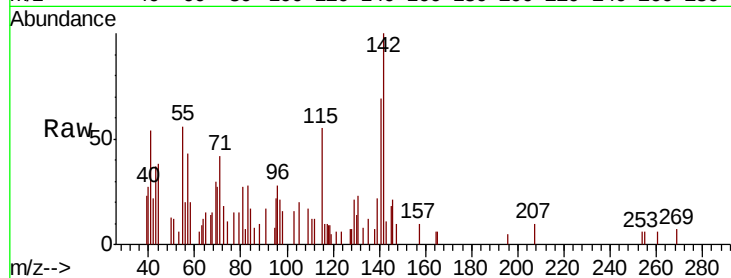
Tgt Ion:	128	Resp:	14786
Ion Ratio	Lower	Upper	
128	100		
127	11.1	10.2	15.2
129	4.4	8.9	13.3#





#80
 Naphthalene, 2-methyl-
 Concen: 0.043 ppbv
 RT: 24.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 May 2022 1.04

Tot Ion:	142	Resp:	4293
Ion Ratio	Lower	Upper	
142	100		
141	147.3	70.8	106.2#
115	127.5	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

