

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039455.D
 Acq On : 12 Jul 2022 19:30
 Operator : SY/AP
 Sample : N3660-06 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-9

Quant Time: Jul 13 01:37:09 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1558869	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	4260566	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3920614	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2856766	9.82	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	100231	0.45	ppbv	96
3) Chlorodifluoromethane	3.04	51	283050	1.43	ppbv #	62
4) Chloromethane	3.15	50	6745	0.06	ppbv	99
9) Propene	3.03	41	28581	0.32	ppbv #	43
10) Heptane	8.14	43	62985	0.30	ppbv	93
11) Trichlorofluoromethane	3.97	101	467801	1.87	ppbv	100
13) Ethanol	3.61	45	518277	100.02	ppbv	73
15) Acetone	3.86	43	1593047	8.64	ppbv	94
16) 1,3-Butadiene	3.32	39	286006	2.99	ppbv #	15
17) tert-Butyl alcohol	4.31	59	134706	0.86	ppbv	98
19) Isopropyl Alcohol	4.01	45	13096	0.13	ppbv #	88
20) Methylene Chloride	4.36	84	1407538	19.15	ppbv	98
23) Vinyl Acetate	5.08	43	69464	0.56	ppbv #	61
25) Ethyl Acetate	5.71	43	1917025	5.07	ppbv #	78
26) Hexane	5.71	57	2567964	16.85	ppbv #	39
27) Carbon Disulfide	4.57	76	221026	1.20	ppbv	96
29) Chloroform	5.77	83	132516	0.50	ppbv	87
30) Cyclohexane	7.16	84	7428	0.05	ppbv #	1
32) 1,1,1-Trichloroethane	6.53	97	22998	0.09	ppbv	90
34) 2-Butanone	5.27	43	155344	0.72	ppbv #	89
36) Benzene	6.91	78	11924	0.04	ppbv #	73
38) Trichloroethene	7.85	130	43189	0.24	ppbv	92
39) 1,2-Dichloropropane	7.19	63	1033442	8.39	ppbv #	26
41) Tetrahydrofuran	5.71	42	948525	7.63	ppbv #	49
44) 2,2,4-Trimethylpentane	7.90	57	29215	0.05	ppbv #	1
51) 2-Hexanone	10.16	43	21531	0.09	ppbv #	59
52) Tetrachloroethene	11.24	164	162071	1.22	ppbv	88
53) Toluene	9.82	91	534658	1.41	ppbv	99
58) Ethyl Benzene	12.73	91	244295	0.48	ppbv	94
59) m/p-Xylene	12.98	91	307525	0.69	ppbv #	11
60) o-Xylene	13.71	91	311922	0.74	ppbv	100
61) Styrene	13.55	104	8116	0.04	ppbv #	42
65) tert-Butylbenzene	16.78	119	56381	0.09	ppbv #	59
67) sec-Butylbenzene	17.31	105	24258	0.03	ppbv	93
69) p-Isopropyltoluene	17.67	119	40180	0.06	ppbv #	56
70) n-Butylbenzene	18.57	91	37373	0.06	ppbv #	1
72) 4-Ethyltoluene	15.86	105	42316	0.09	ppbv #	30
73) 1,3,5-Trimethylbenzene	16.02	105	177694	0.39	ppbv	95
74) 1,2,4-Trimethylbenzene	16.78	105	558114	1.11	ppbv #	71
79) Naphthalene	22.24	128	17586	0.05	ppbv	98

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SG-9

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

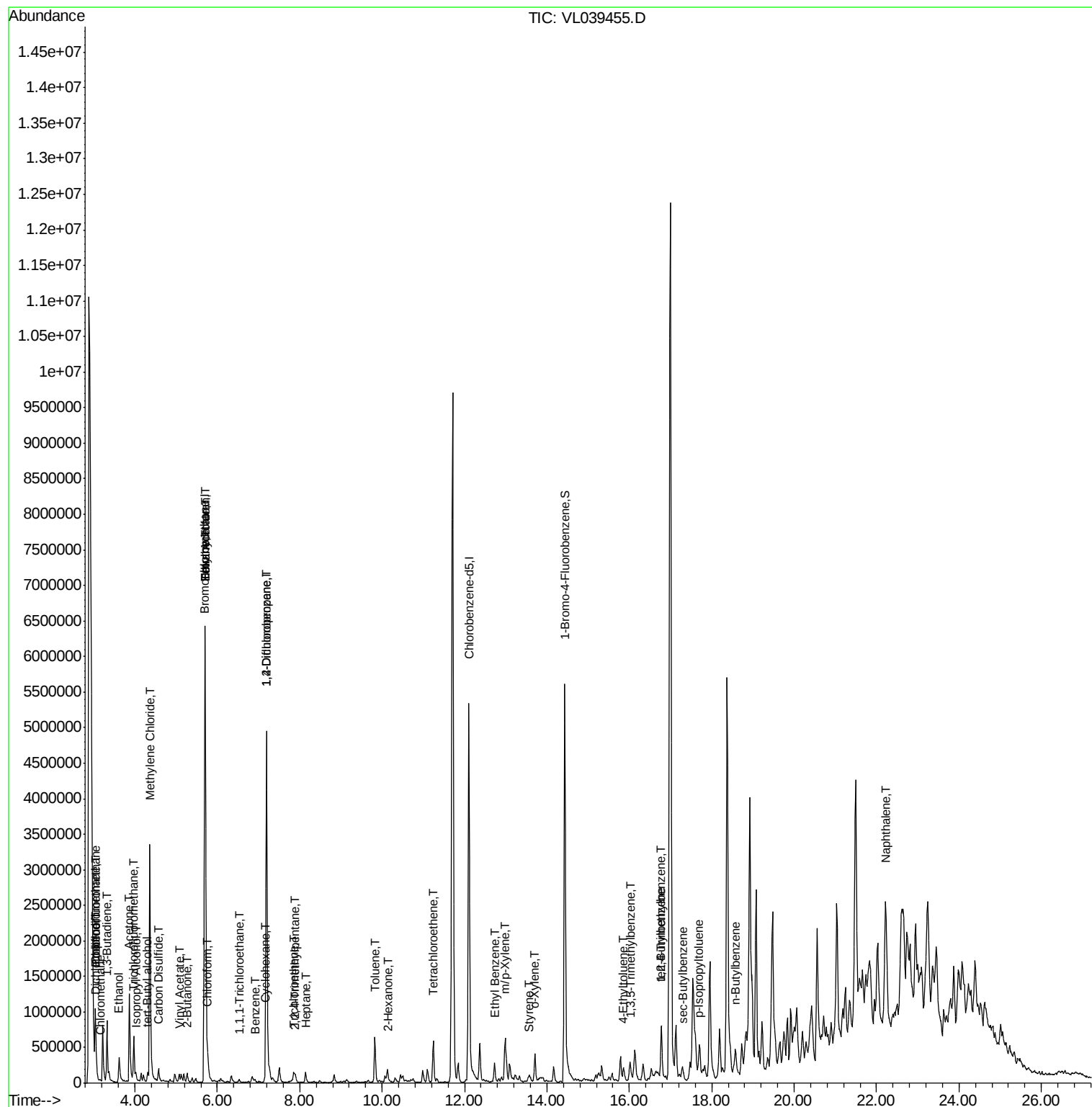
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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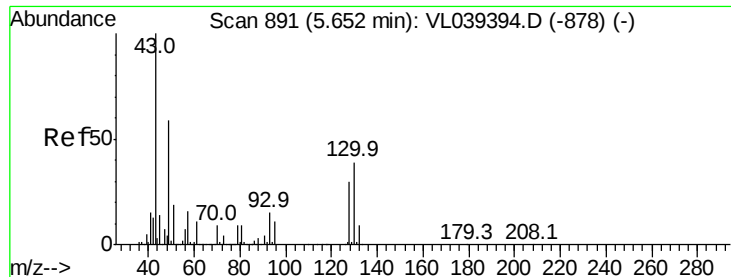
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 19:30

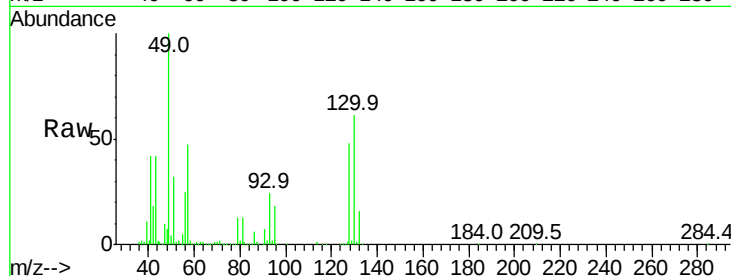
Tgt Ion: 49 Resp: 1558869

Ion Ratio Lower Upper

49 100

128 51.0 26.7 80.0

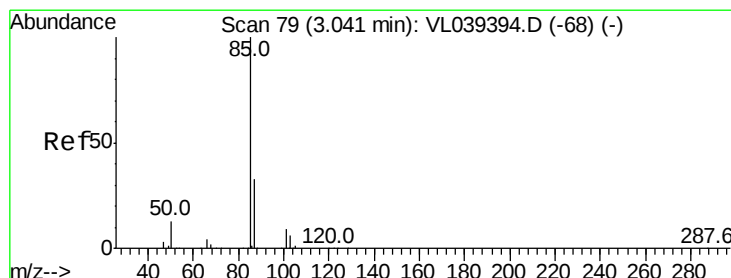
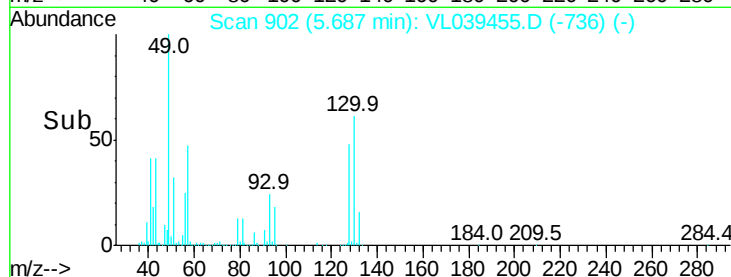
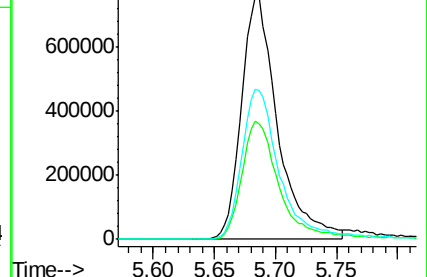
130 65.5 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.45 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL039455.D

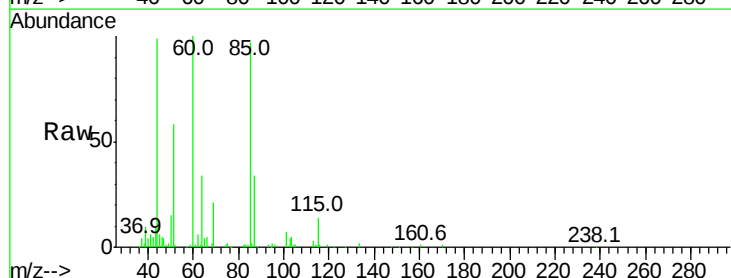
Acq: 12 Jul 2022 19:30

Tgt Ion: 85 Resp: 100231

Ion Ratio Lower Upper

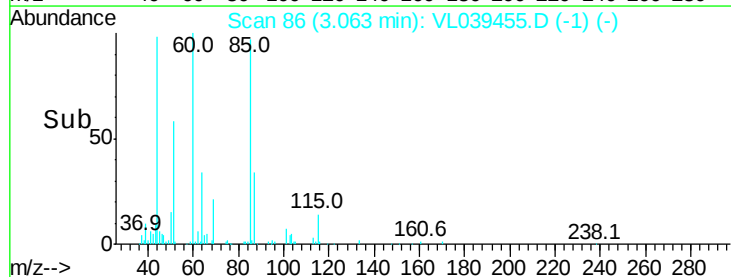
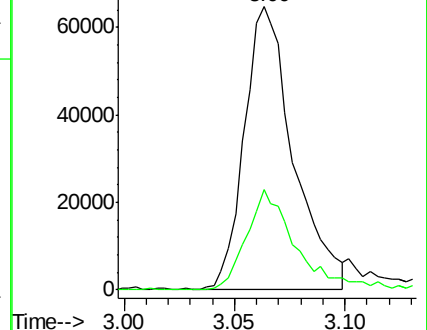
85 100

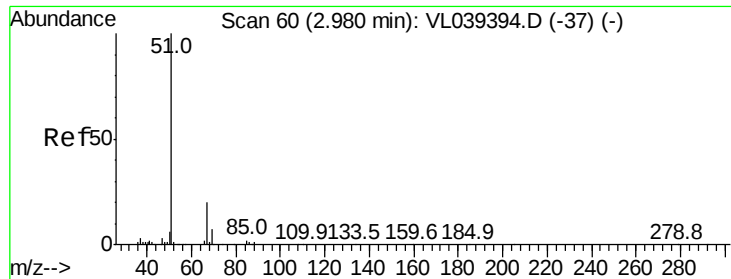
87 35.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.43 ppbv

RT: 3.04 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

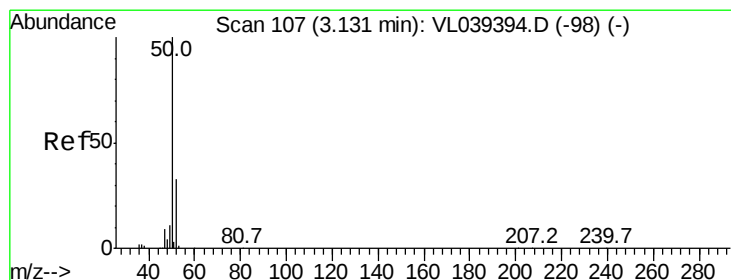
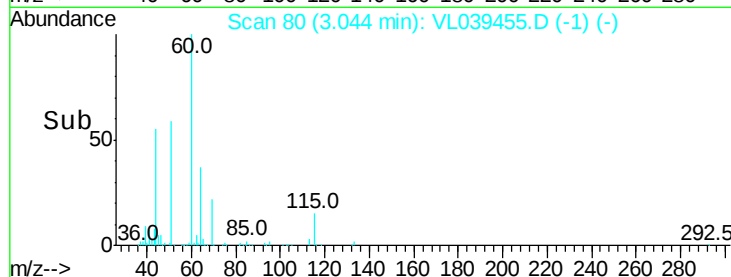
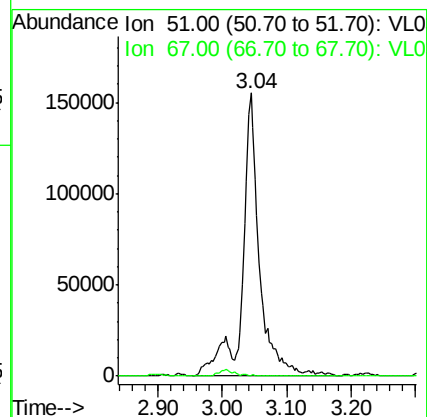
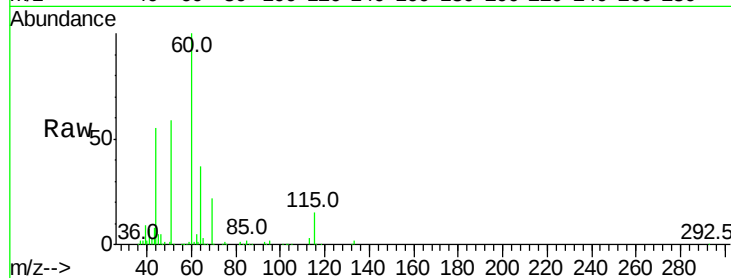
Acq: 12 Jul 2022 19:30 SG-9

Tgt Ion: 51 Resp: 283050

Ion Ratio Lower Upper

51 100

67 2.2 15.7 23.5#



#4

Chloromethane

Concen: 0.06 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL039455.D

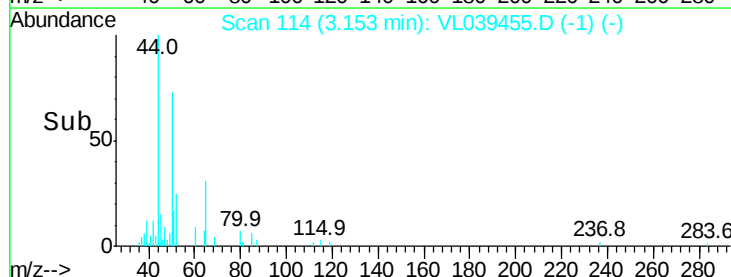
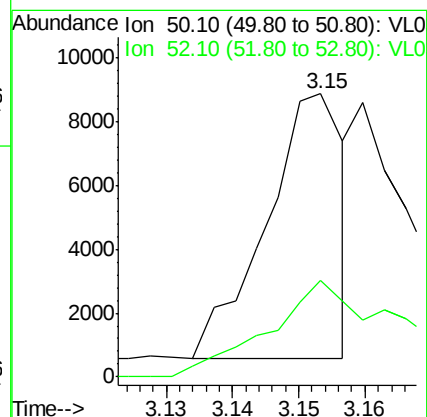
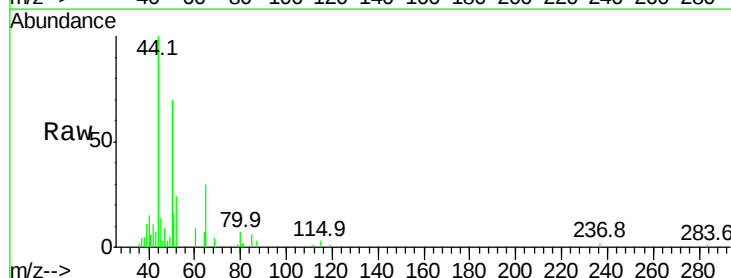
Acq: 12 Jul 2022 19:30

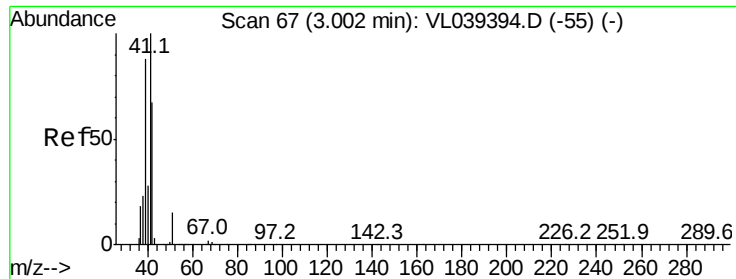
Tgt Ion: 50 Resp: 6745

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7





#9

Propene

Concen: 0.32 ppbv

RT: 3.03 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SG-9

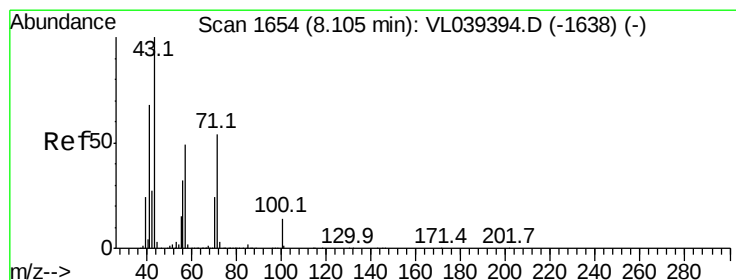
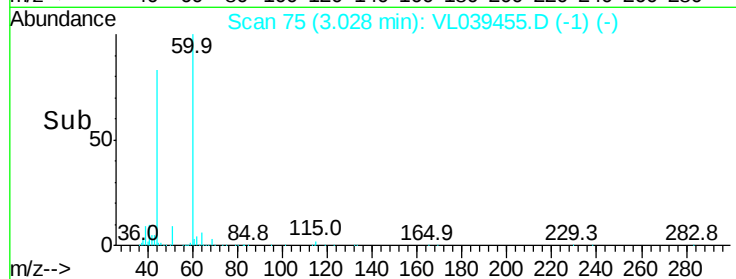
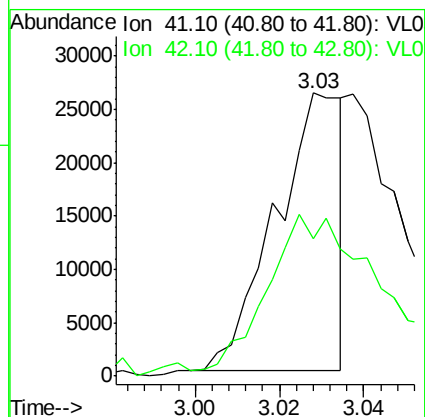
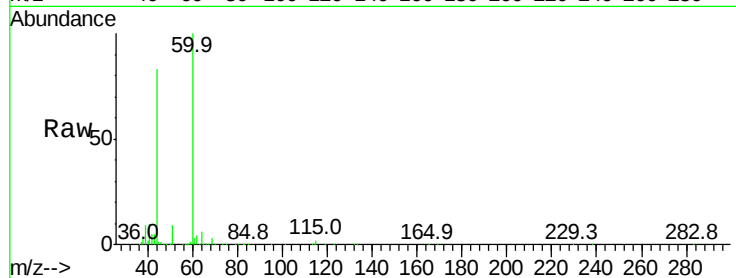
Acq: 12 Jul 2022 19:30

Tgt Ion: 41 Resp: 28581

Ion Ratio Lower Upper

41 100

42 115.4 55.2 82.8#



#10

Heptane

Concen: 0.30 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.04 min

Lab File: VL039455.D

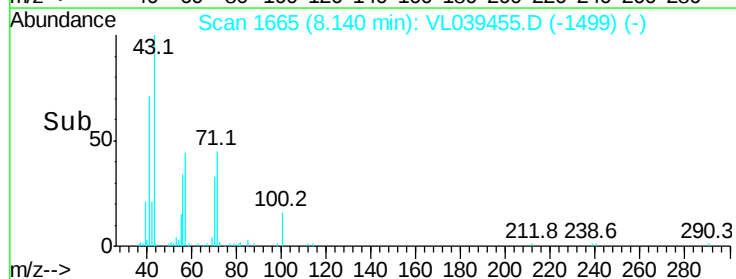
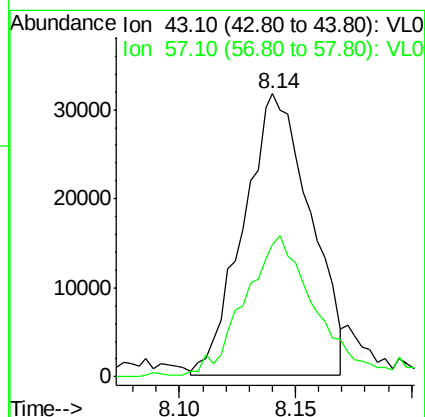
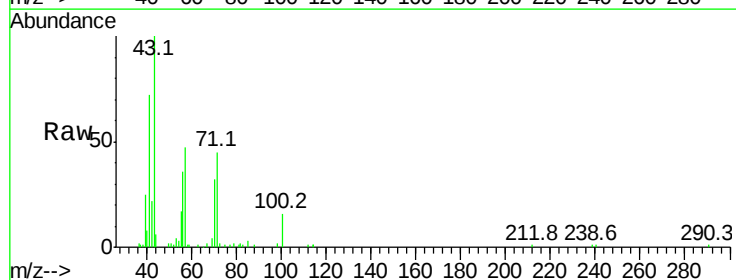
Acq: 12 Jul 2022 19:30

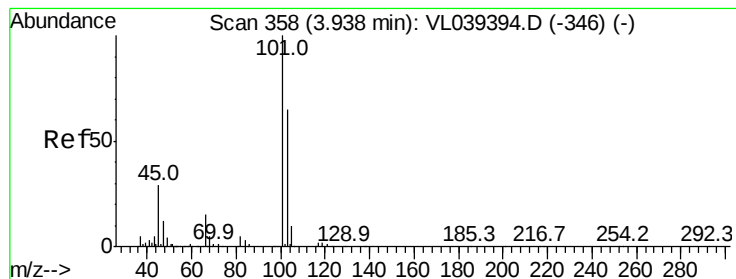
Tgt Ion: 43 Resp: 62985

Ion Ratio Lower Upper

43 100

57 55.2 40.5 60.7





#11

Trichlorofluoromethane

Concen: 1.87 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

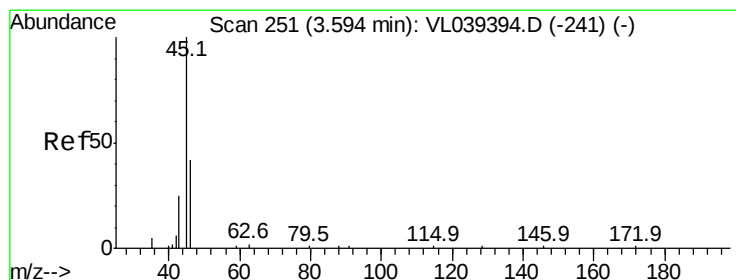
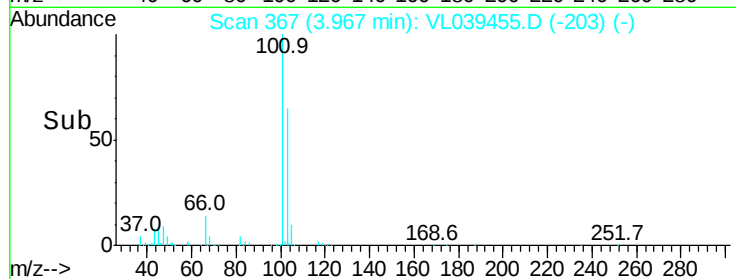
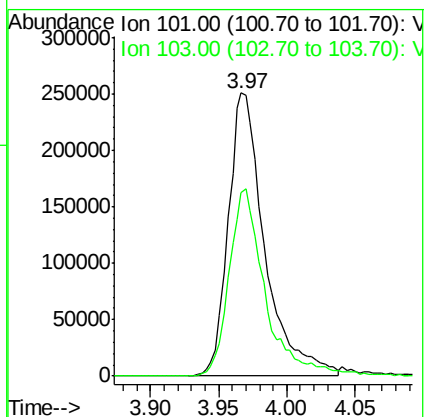
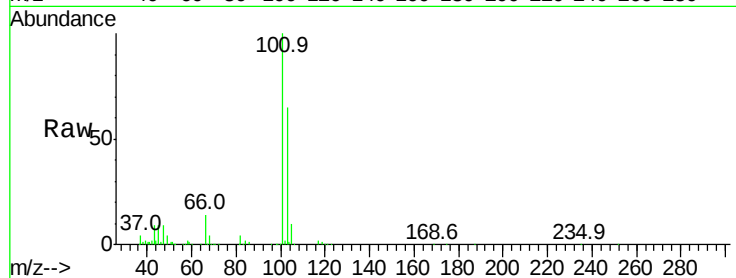
Acq: 12 Jul 2022 19:30 SG-9

Tgt Ion: 101 Resp: 467801

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8



#13

Ethanol

Concen: 100.02 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL039455.D

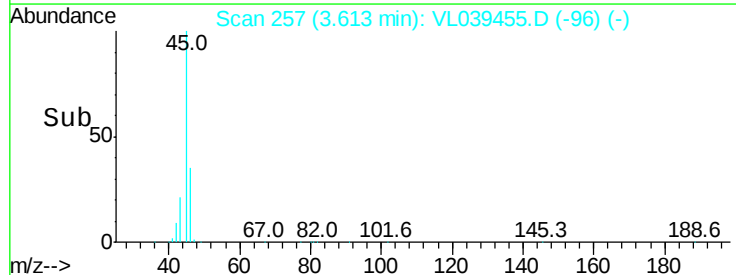
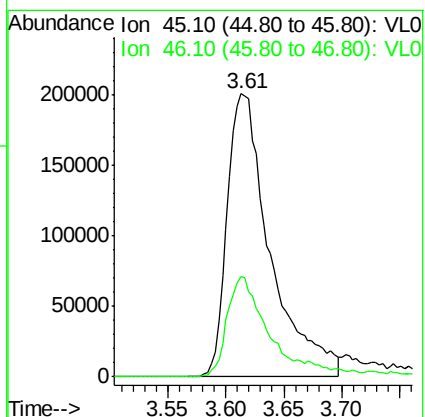
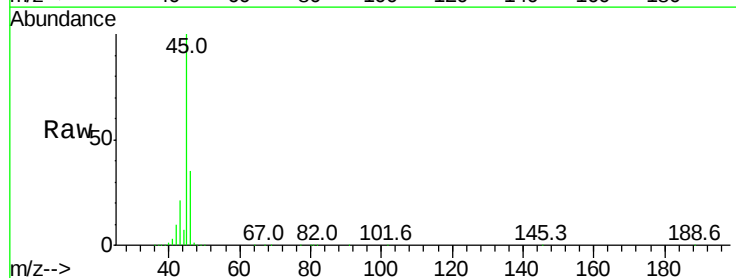
Acq: 12 Jul 2022 19:30

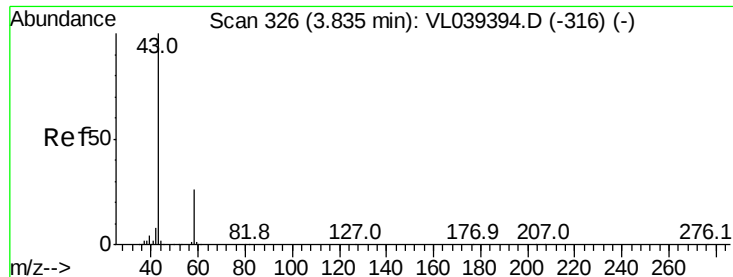
Tgt Ion: 45 Resp: 518277

Ion Ratio Lower Upper

45 100

46 37.1 22.8 91.2





#15

Acetone

Concen: 8.64 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

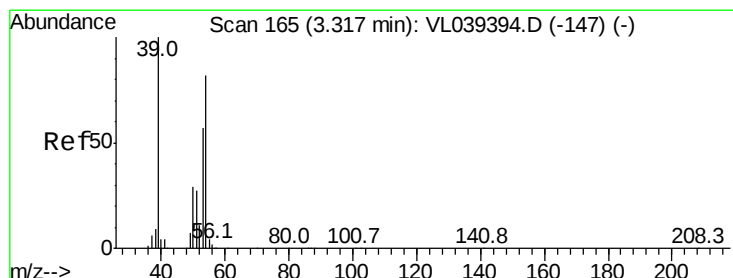
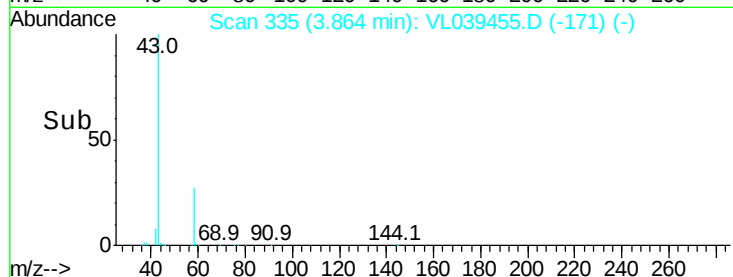
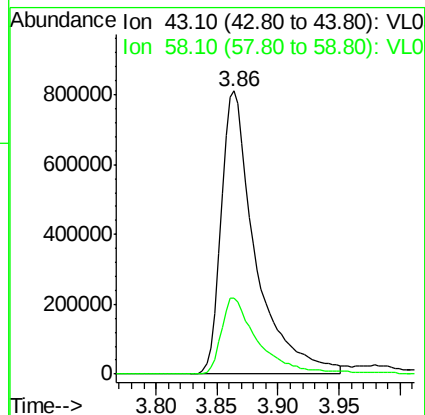
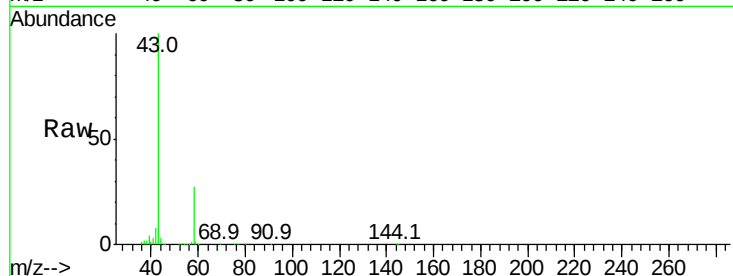
Acq: 12 Jul 2022 19:30 SG-9

Tgt Ion: 43 Resp: 1593047

Ion Ratio Lower Upper

43 100

58 29.6 21.0 31.6



#16

1,3-Butadiene

Concen: 2.99 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL039455.D

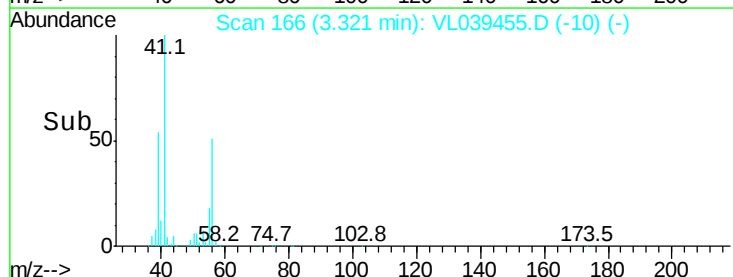
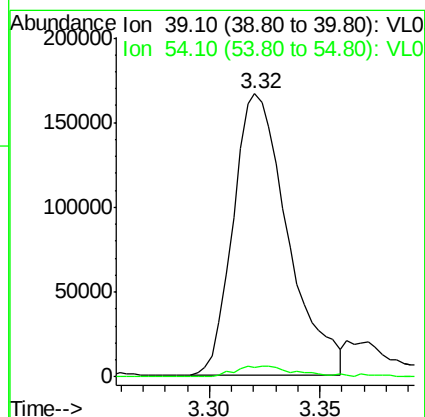
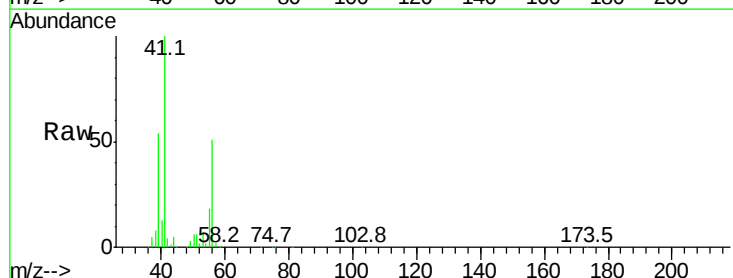
Acq: 12 Jul 2022 19:30

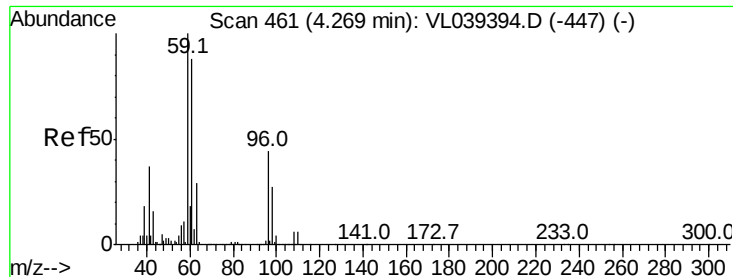
Tgt Ion: 39 Resp: 286006

Ion Ratio Lower Upper

39 100

54 4.4 63.7 95.5#





#17

tert-Butyl alcohol

Concen: 0.86 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

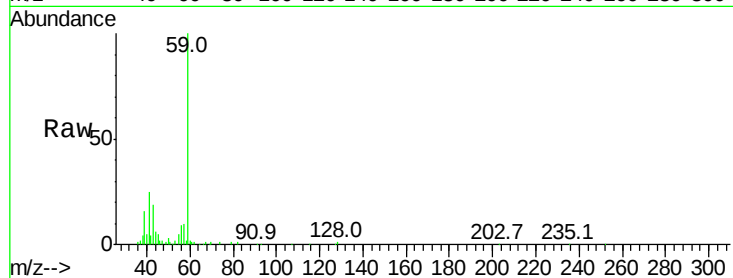
Acq: 12 Jul 2022 19:30 SG-9

Tgt Ion: 59 Resp: 134706

Ion Ratio Lower Upper

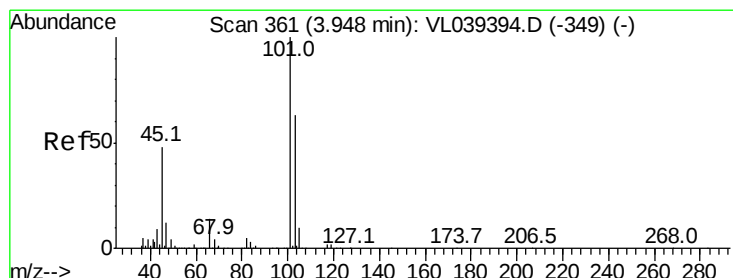
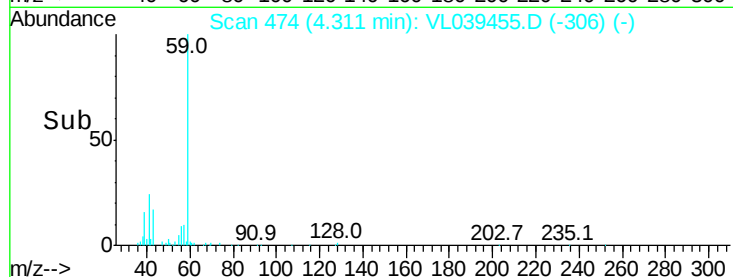
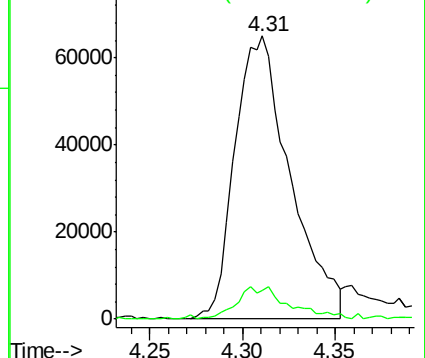
59 100

57 11.5 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 0.13 ppbv

RT: 4.01 min Scan# 382

Delta R.T. 0.07 min

Lab File: VL039455.D

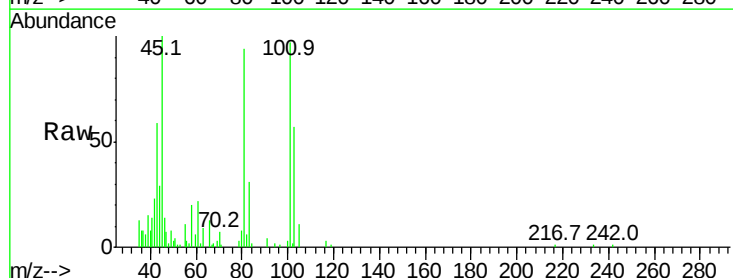
Acq: 12 Jul 2022 19:30

Tgt Ion: 45 Resp: 13096

Ion Ratio Lower Upper

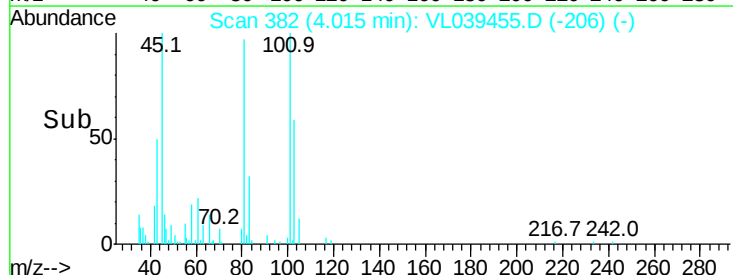
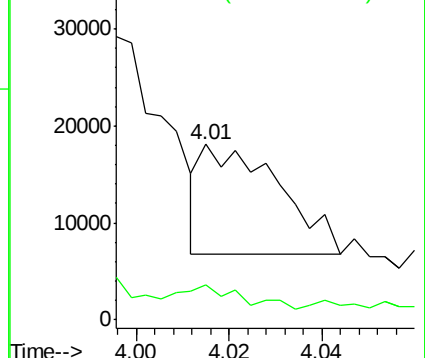
45 100

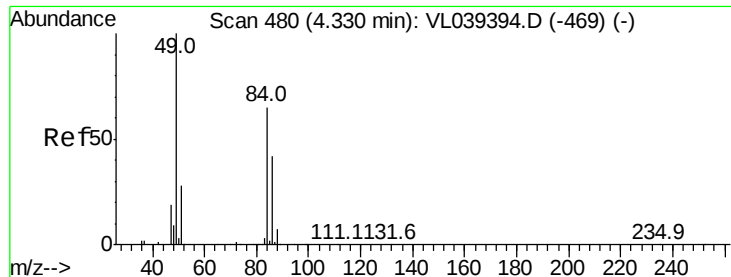
58 0.0 3.2 4.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

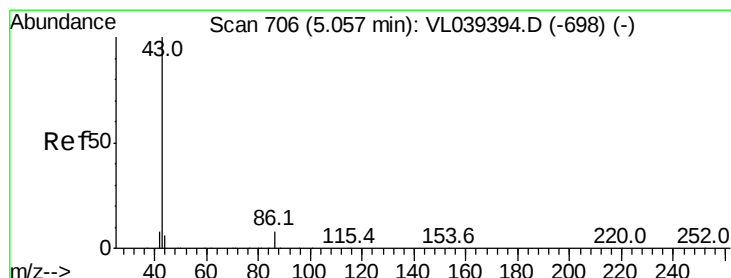
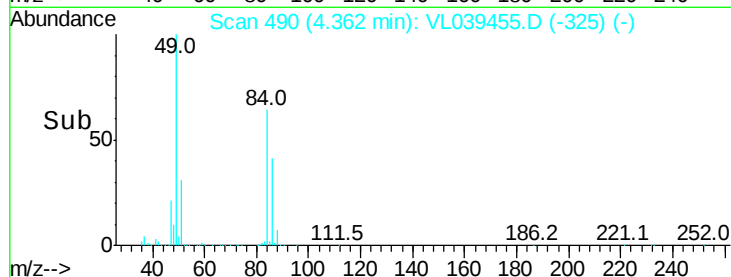
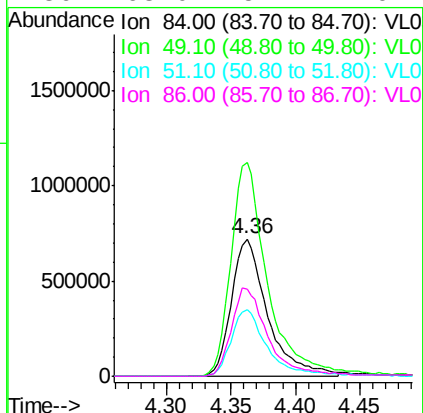
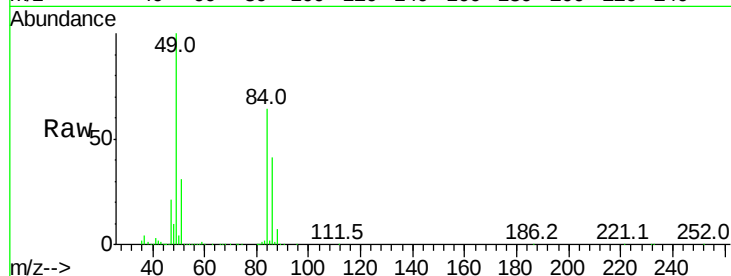




#20
Methylene Chloride
Concen: 19.15 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 12 Jul 2022 19:30

Tgt Ion: 84 Resp: 1407538

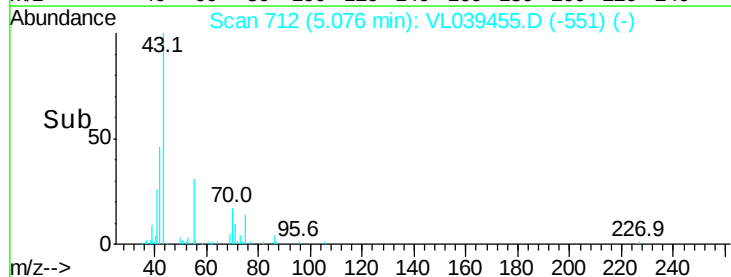
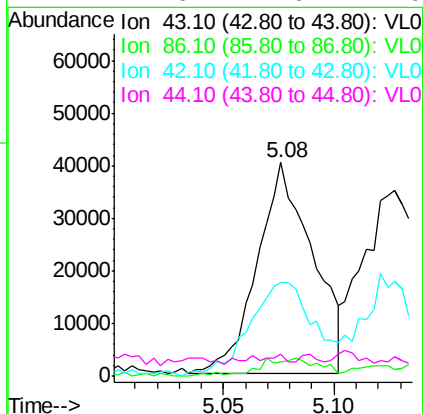
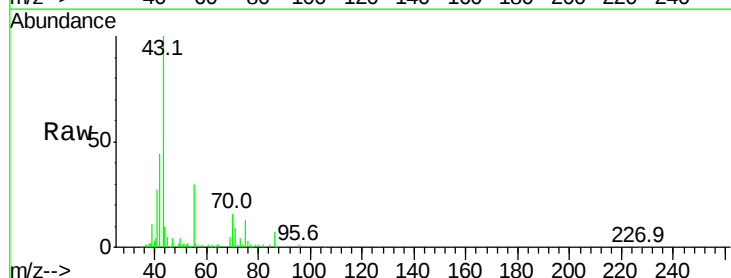
Ion	Ratio	Lower	Upper
84	100		
49	155.4	123.1	184.7
51	48.1	34.4	51.6
86	63.0	51.1	76.7

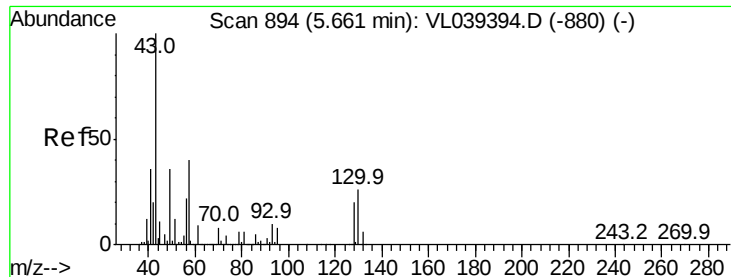


#23
Vinyl Acetate
Concen: 0.56 ppbv
RT: 5.08 min Scan# 712
Delta R.T. 0.02 min
Lab File: VL039455.D
Acq: 12 Jul 2022 19:30

Tgt Ion: 43 Resp: 69464

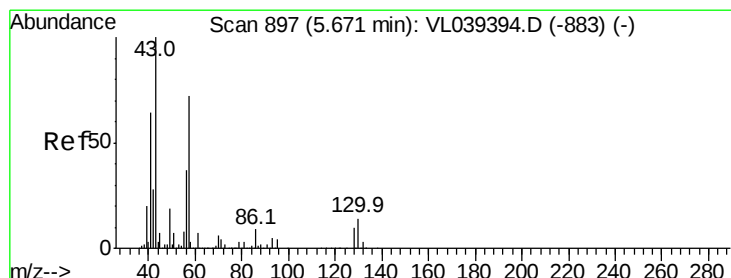
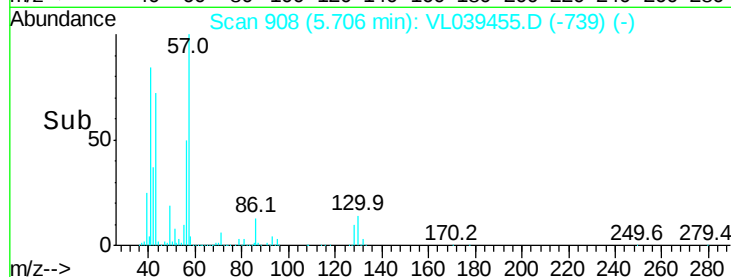
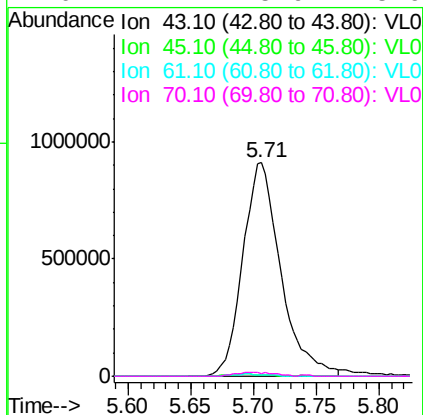
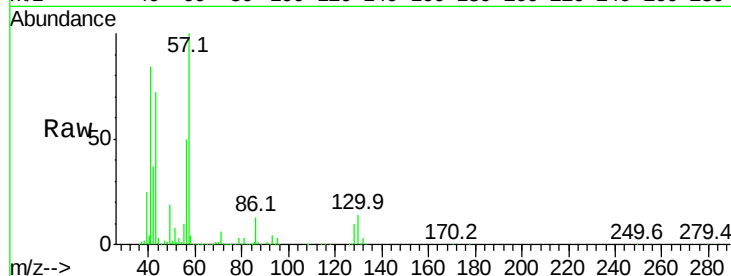
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.0	7.6
42	38.9	7.7	11.5#
44	1.6	4.6	7.0#





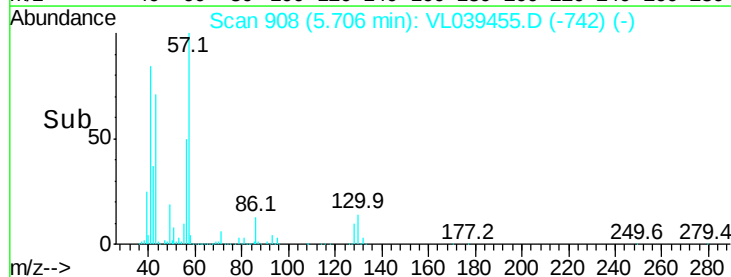
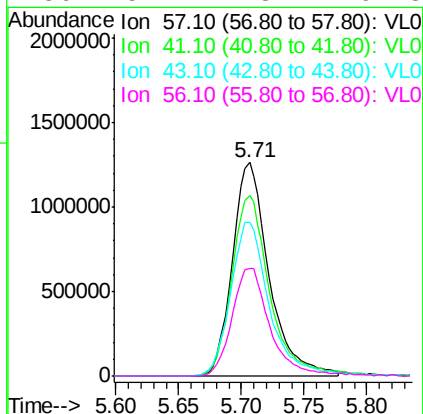
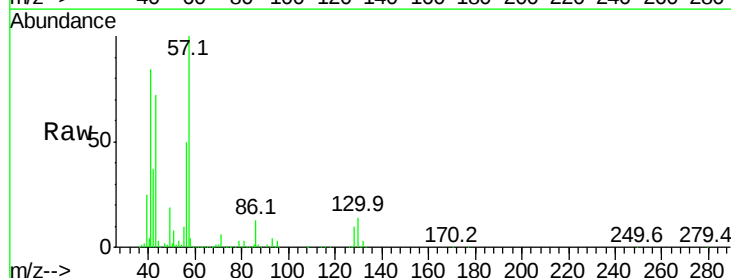
#25
Ethyl Acetate
Concen: 5.07 ppbv
RT: 5.71 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 19:30

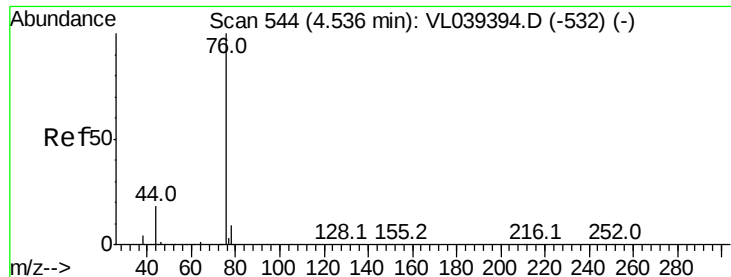
Tgt Ion:	43	Resp:	1917025
Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.2	12.4#
61	1.1	8.3	12.5#
70	2.2	5.9	8.9#



#26
Hexane
Concen: 16.85 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.04 min
Lab File: VL039455.D
Acq: 12 Jul 2022 19:30

Tgt Ion:	57	Resp:	2567964
Ion	Ratio	Lower	Upper
57	100		
41	88.2	76.9	115.3
43	76.4	191.0	286.6#
56	52.7	43.2	64.8





#27

Carbon Disulfide

Concen: 1.20 ppbv

RT: 4.57

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 19:30

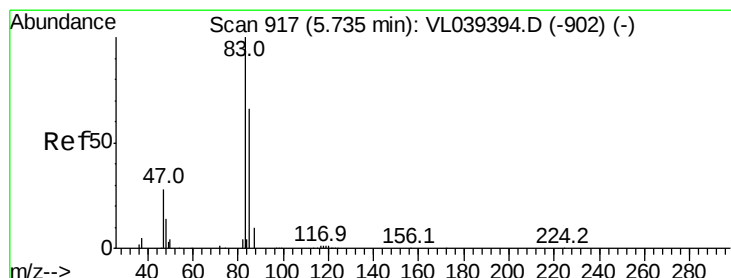
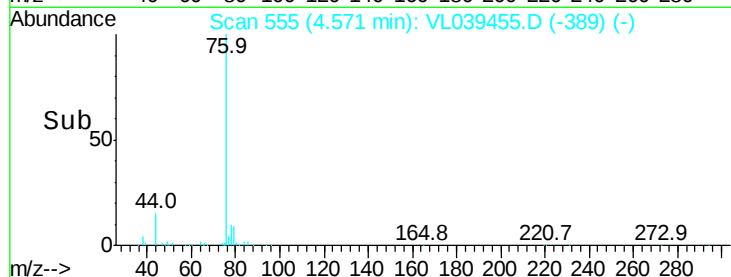
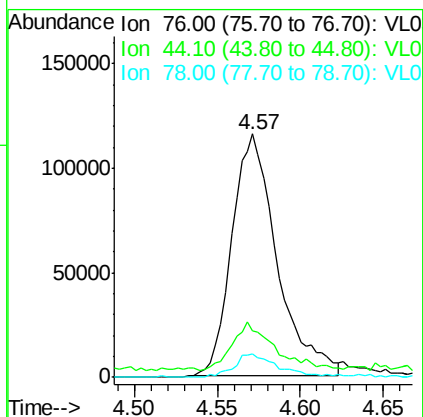
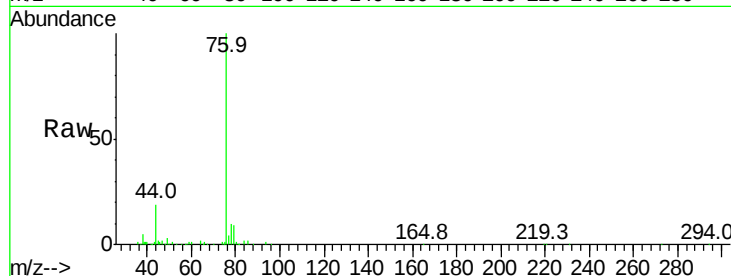
Tgt Ion: 76 Resp: 221026

Ion Ratio Lower Upper

76 100

44 21.0 14.6 21.8

78 10.0 7.8 11.6



#29

Chloroform

Concen: 0.50 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.04 min

Lab File: VL039455.D

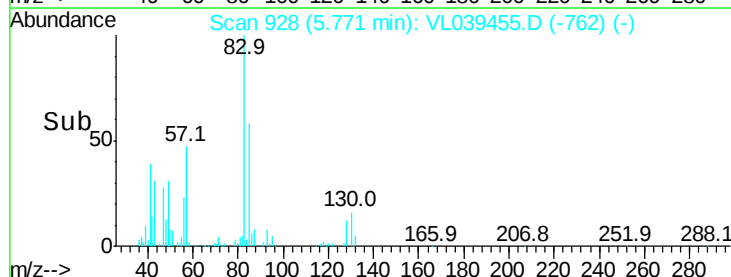
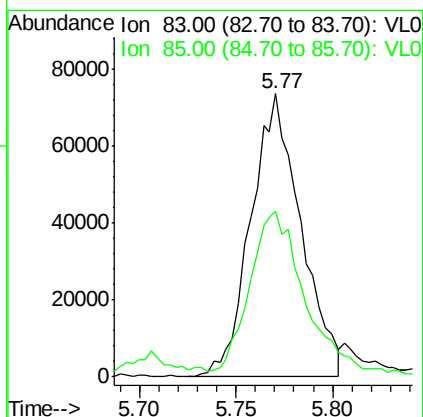
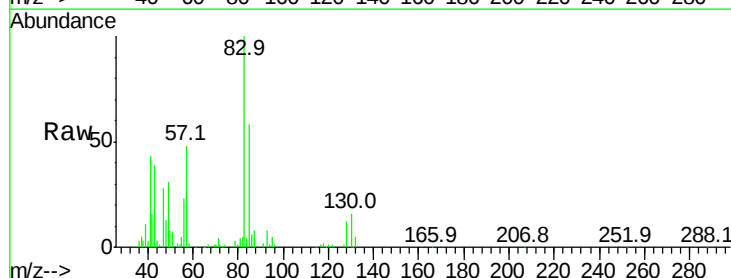
Acq: 12 Jul 2022 19:30

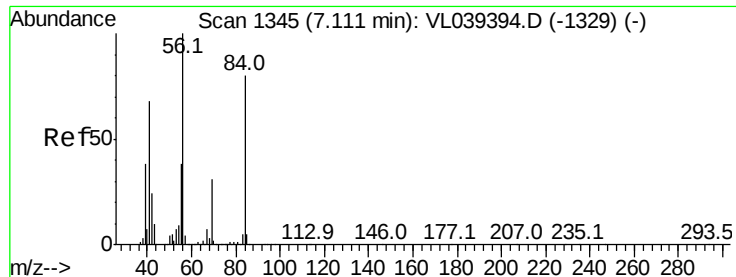
Tgt Ion: 83 Resp: 132516

Ion Ratio Lower Upper

83 100

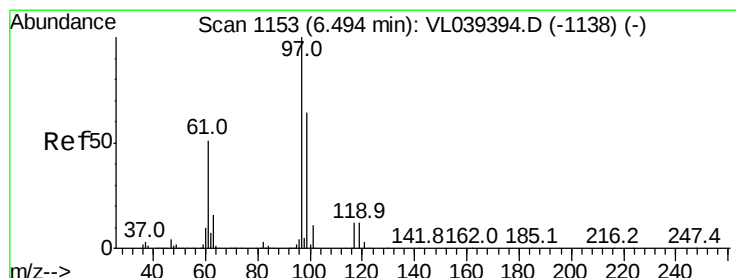
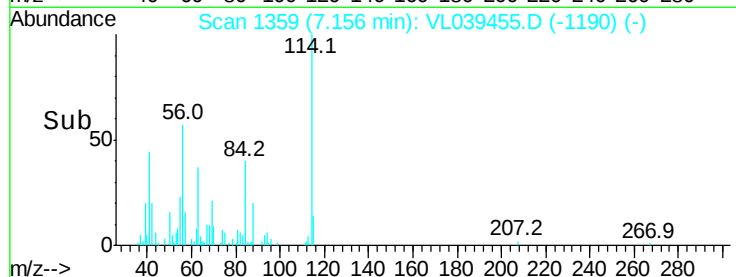
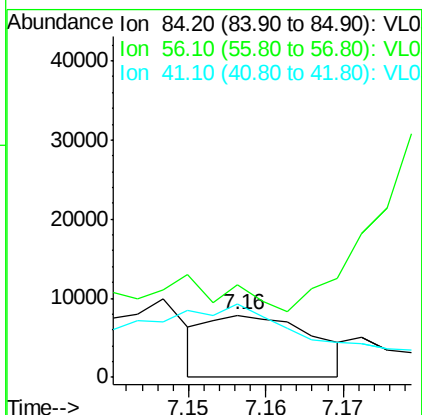
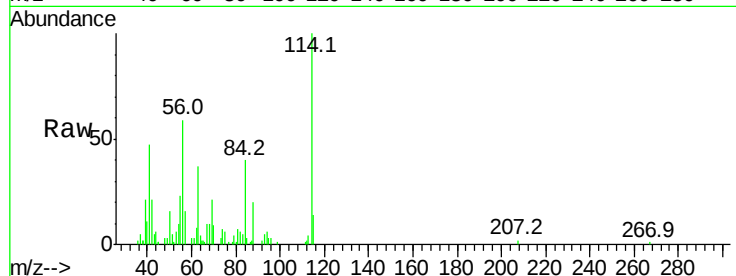
85 55.7 52.8 79.2





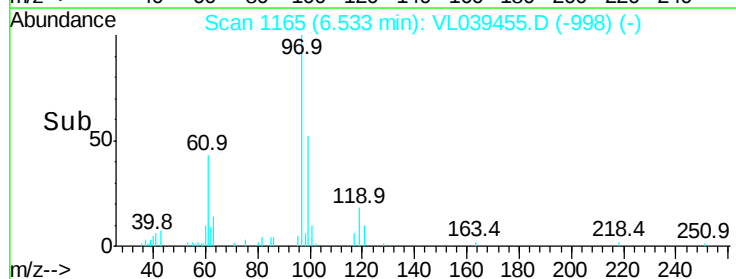
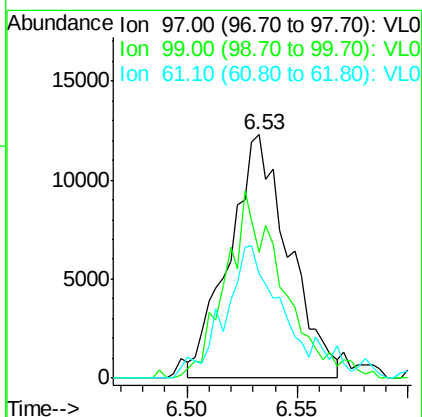
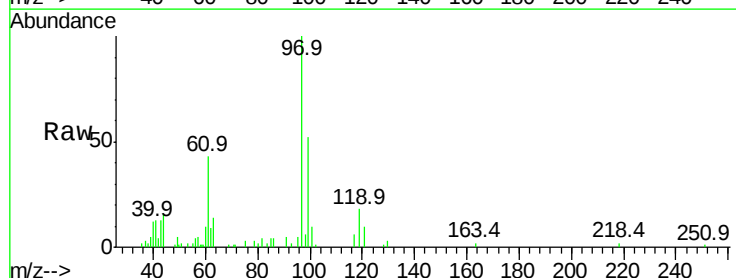
#30
Cyclohexane
Concen: 0.05 ppbv
RT: 7.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 19:30

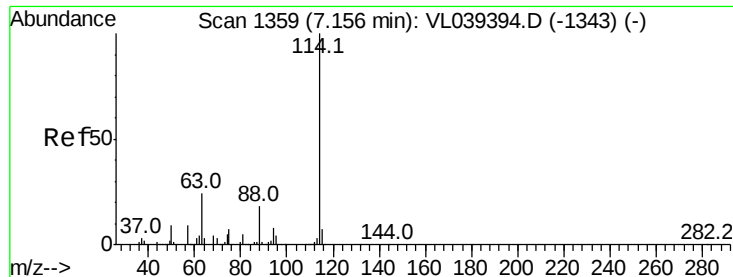
Tgt Ion: 84 Resp: 7428
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 311.1 67.7 101.5#



#32
1,1,1-Trichloroethane
Concen: 0.09 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. 0.04 min
Lab File: VL039455.D
Acq: 12 Jul 2022 19:30

Tgt Ion: 97 Resp: 22998
Ion Ratio Lower Upper
97 100
99 73.7 52.3 78.5
61 58.0 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.19

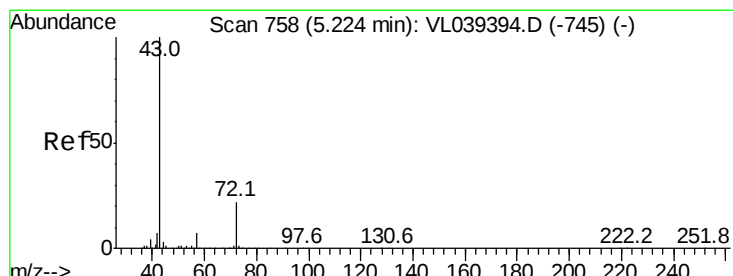
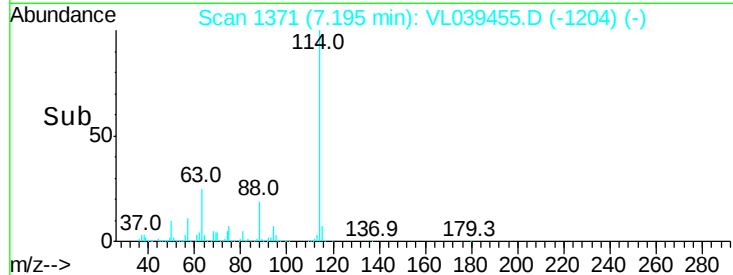
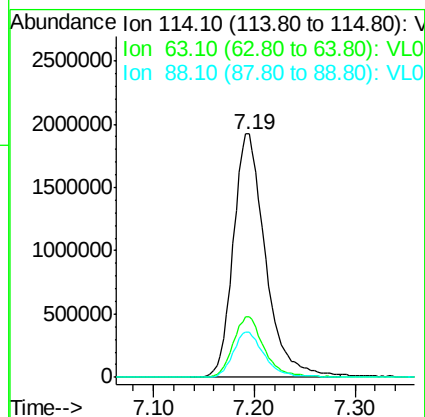
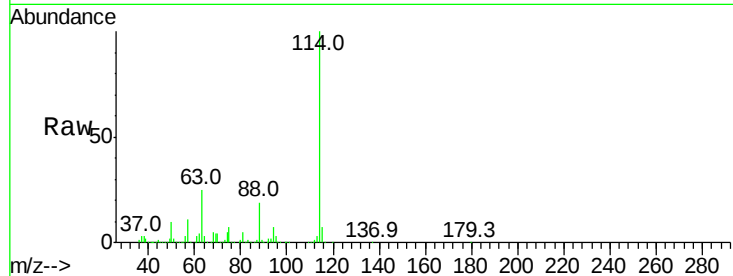
Delta R.T. MSVOA_L

Lab File: ClientSampleId : SG-9

Acq: 12 Jul 2022 19:30

Tgt Ion: 114 Resp: 4260566

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.2	30.4
88	18.4	14.5	21.7



#34

2-Butanone

Concen: 0.72 ppbv

RT: 5.27 min Scan# 771

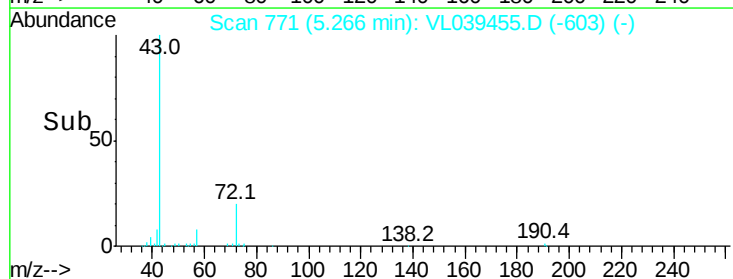
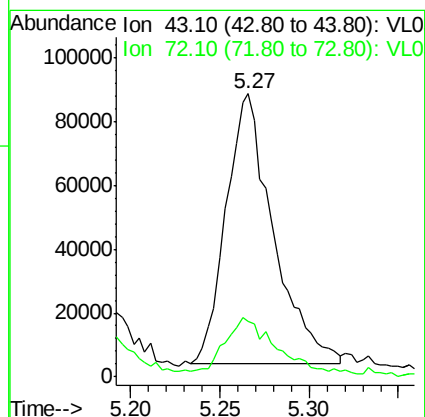
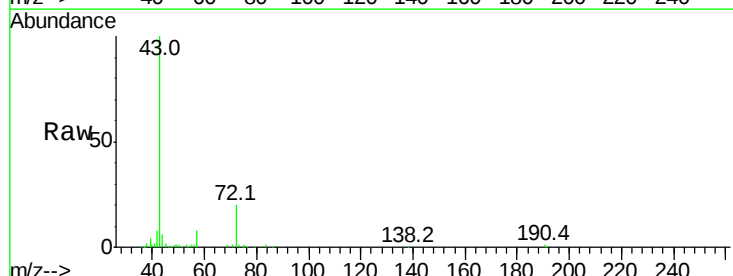
Delta R.T. 0.04 min

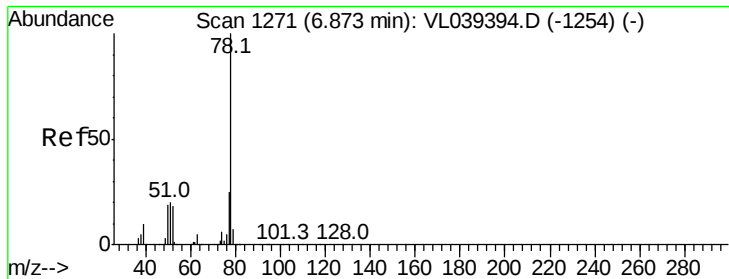
Lab File: VL039455.D

Acq: 12 Jul 2022 19:30

Tgt Ion: 43 Resp: 155344

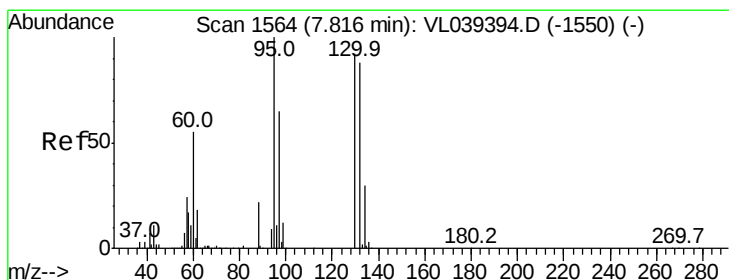
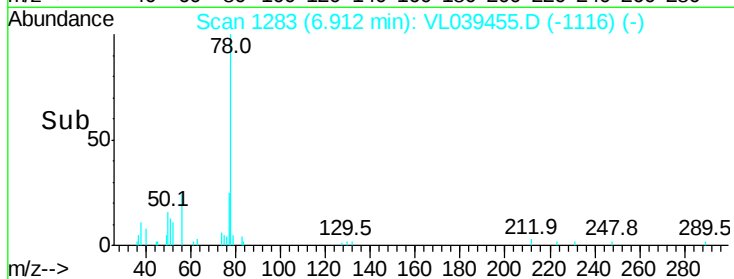
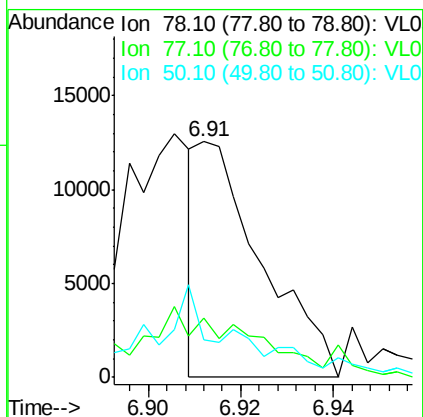
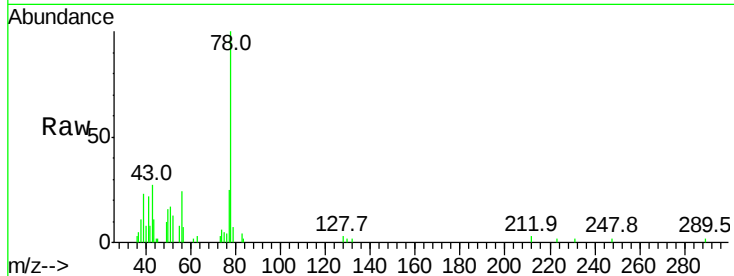
Ion	Ratio	Lower	Upper
43	100		
72	27.8	17.9	26.9#





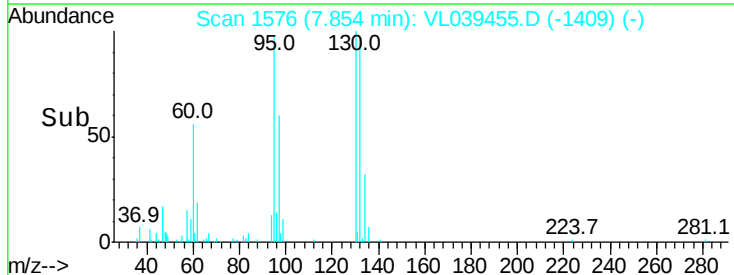
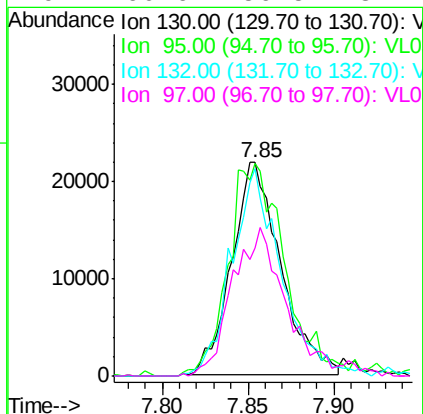
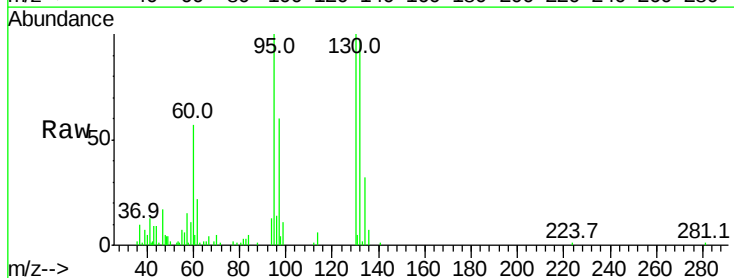
#36
Benzene
Concen: 0.04 ppbv
RT: 6.91
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SG-9
Acq: 12 Jul 2022 19:30

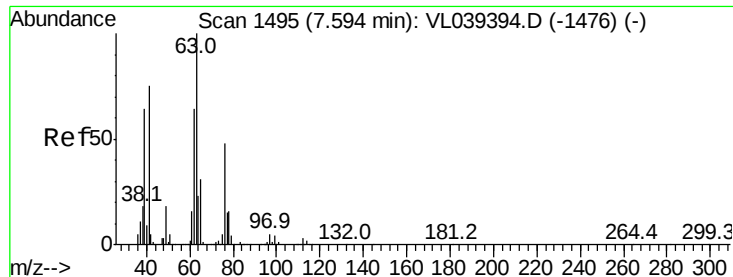
Tgt Ion: 78 Resp: 11924
Ion Ratio Lower Upper
78 100
77 11.2 20.3 30.5#
50 7.9 15.5 23.3#



#38
Trichloroethene
Concen: 0.24 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.04 min
Lab File: VL039455.D
Acq: 12 Jul 2022 19:30

Tgt Ion:130 Resp: 43189
Ion Ratio Lower Upper
130 100
95 97.4 87.3 130.9
132 96.8 76.7 115.1
97 60.6 56.5 84.7





#39

1,2-Dichloropropane

Concen: 8.39 ppbv

RT: 7.19 Instrument: MSVOA_1

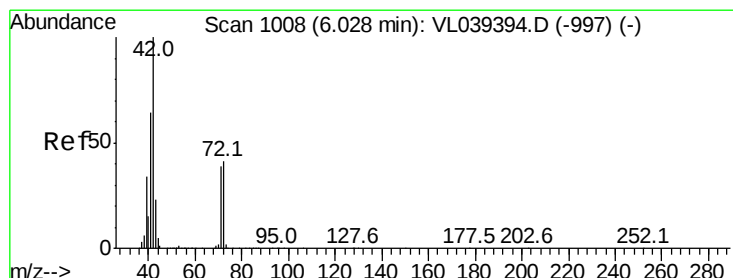
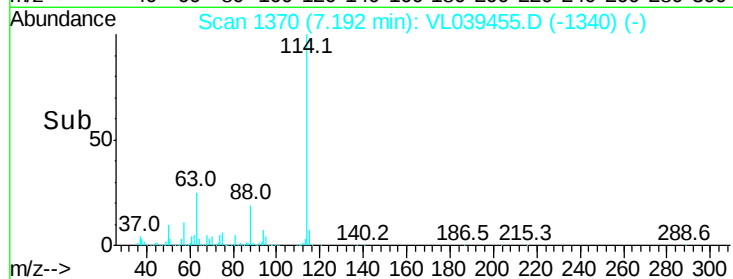
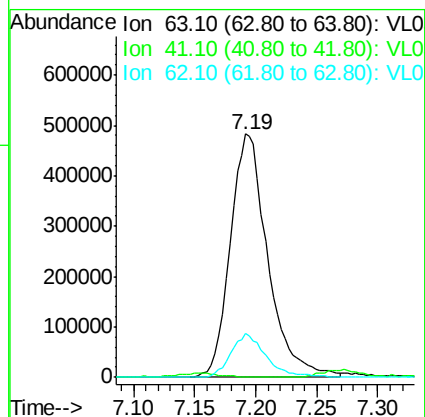
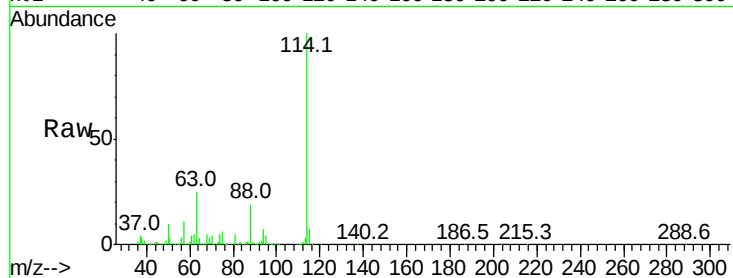
Delta R.T.

Lab File: ClientSampleId :

Acq: 12 Jul 2022 19:30

Tgt Ion: 63 Resp: 1033442

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	18.2	51.4	77.0#



#41

Tetrahydrofuran

Concen: 7.63 ppbv

RT: 5.71 min Scan# 908

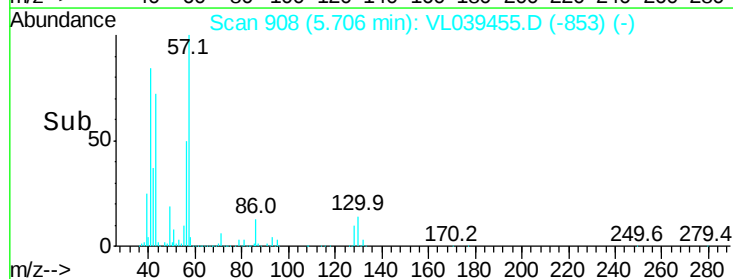
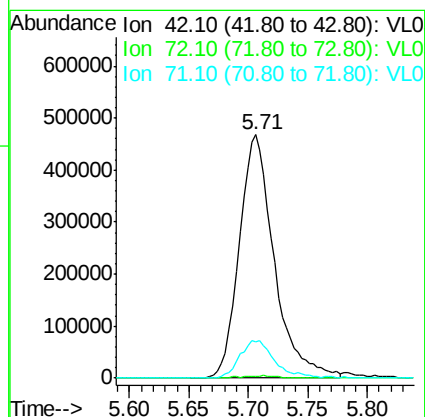
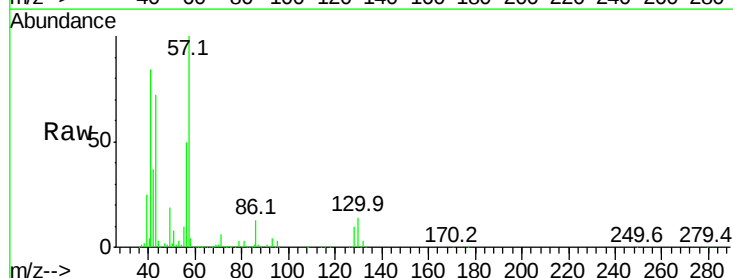
Delta R.T. -0.32 min

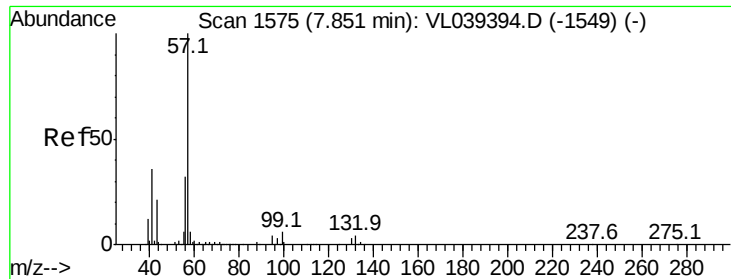
Lab File: VL039455.D

Acq: 12 Jul 2022 19:30

Tgt Ion: 42 Resp: 948525

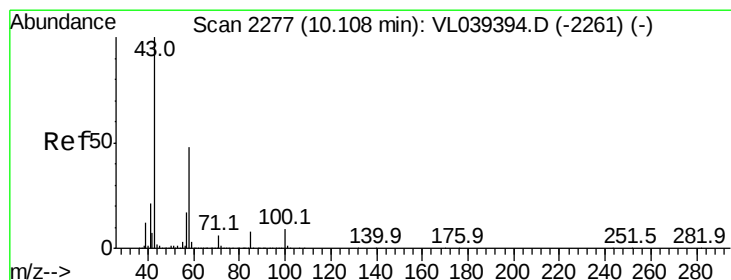
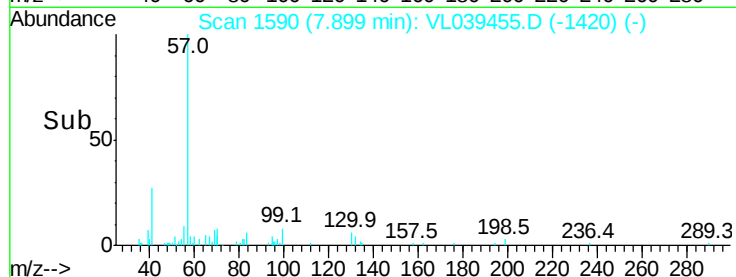
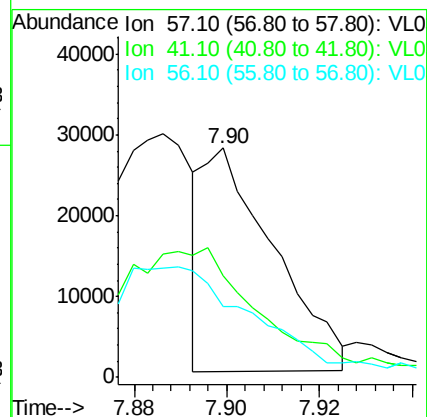
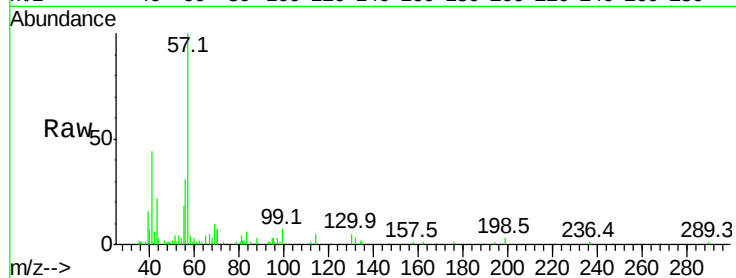
Ion	Ratio	Lower	Upper
42	100		
72	0.9	31.8	47.8#
71	15.9	31.8	47.8#





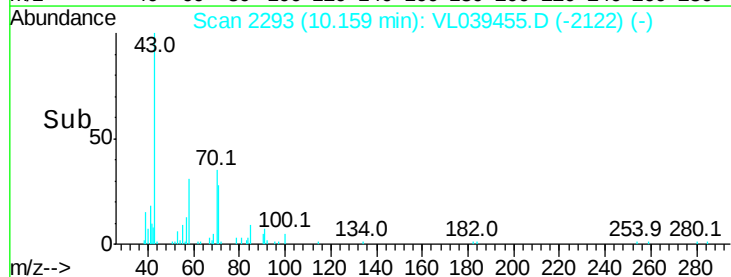
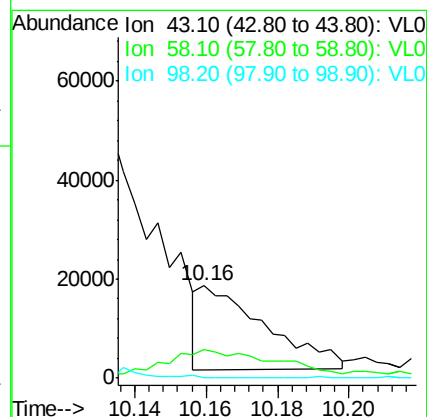
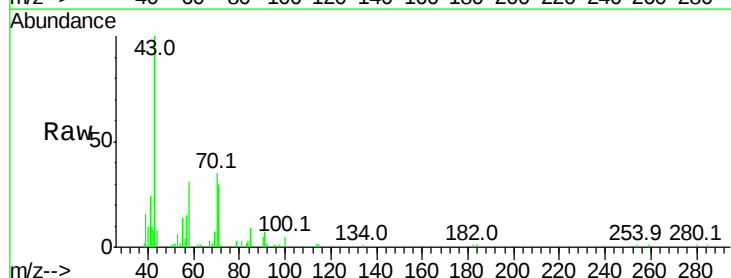
#44
 2,2,4-Trimethylpentane
 Concen: 0.05 ppbv
 RT: 7.90
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 19:30

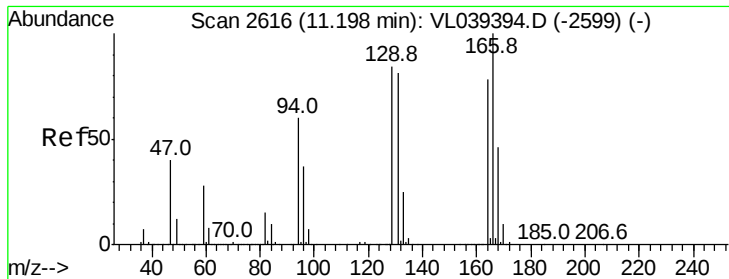
Tgt Ion: 57 Resp: 29215
 Ion Ratio Lower Upper
 57 100
 41 136.9 27.4 41.2#
 56 0.0 24.5 36.7#



#51
 2-Hexanone
 Concen: 0.09 ppbv
 RT: 10.16 min Scan# 2293
 Delta R.T. 0.05 min
 Lab File: VL039455.D
 Acq: 12 Jul 2022 19:30

Tgt Ion: 43 Resp: 21531
 Ion Ratio Lower Upper
 43 100
 58 76.0 38.4 57.6#
 98 5.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 1.22 ppbv

RT: 11.24

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 19:30

Tgt Ion: 164 Resp: 162071

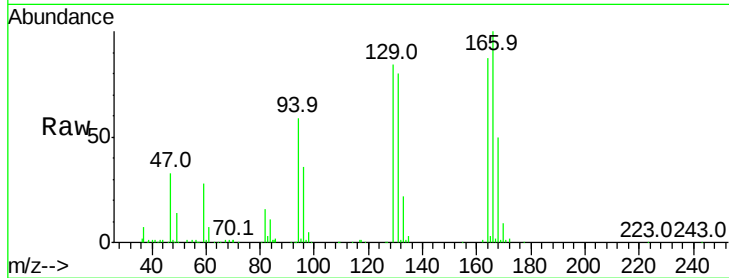
Ion Ratio Lower Upper

164 100

166 113.2 102.2 153.2

129 95.4 85.8 128.8

131 90.7 83.3 124.9

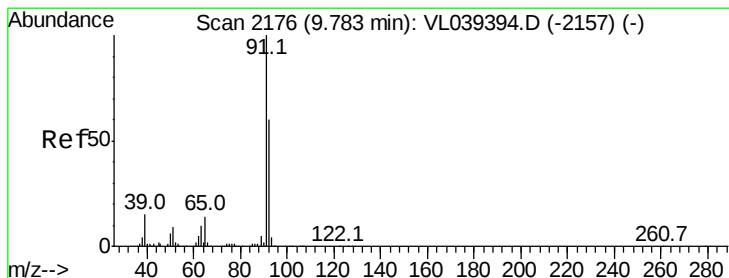
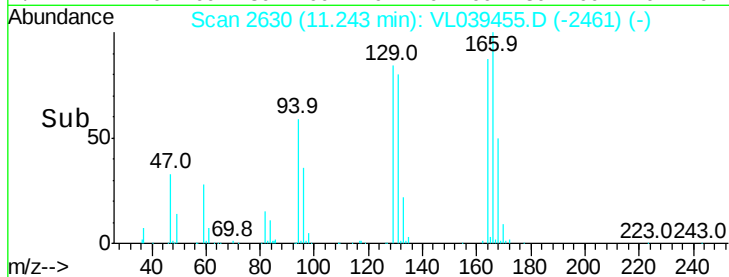
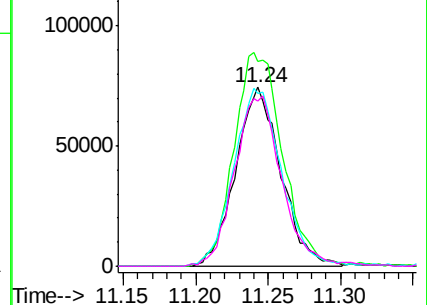


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.41 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.04 min

Lab File: VL039455.D

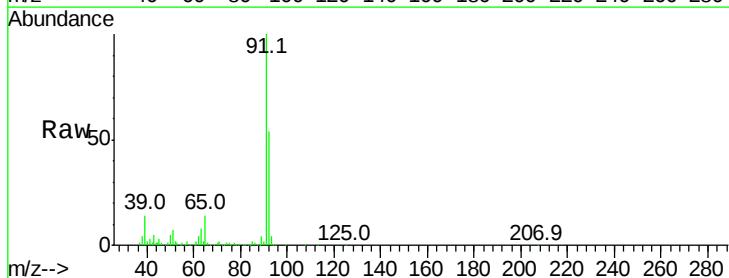
Acq: 12 Jul 2022 19:30

Tgt Ion: 91 Resp: 534658

Ion Ratio Lower Upper

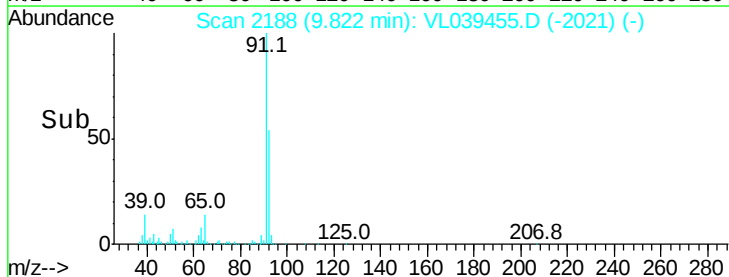
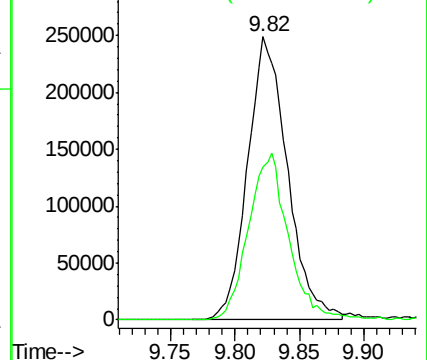
91 100

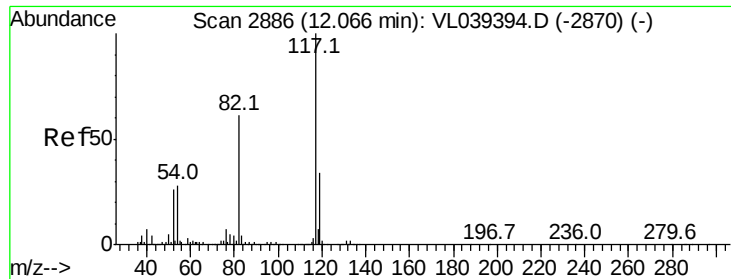
92 59.3 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

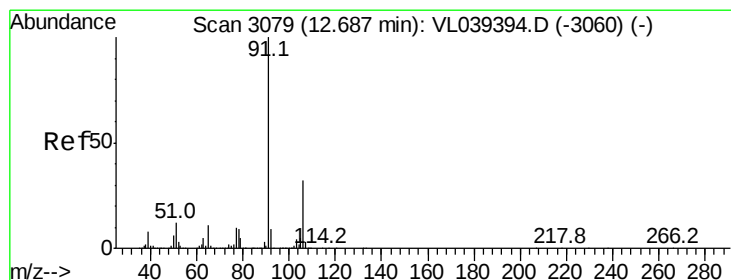
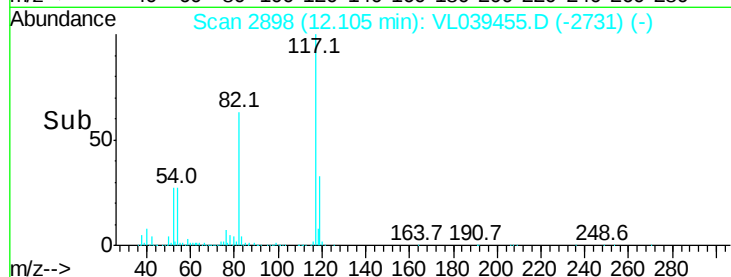
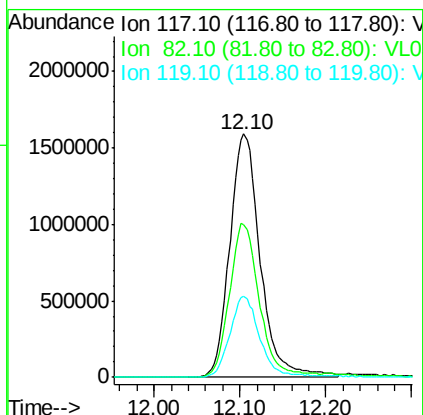
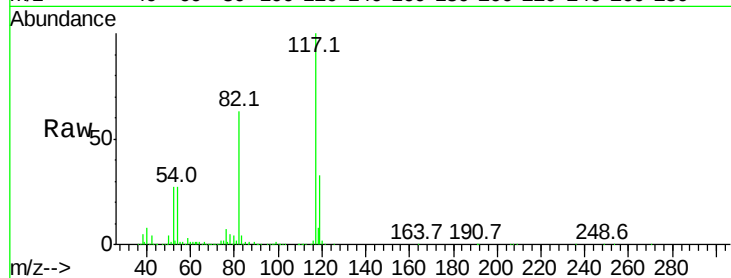




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.04 min
Lab File: ClientSampleId : SG-9
Acq: 12 Jul 2022 19:30

Tgt Ion: 117 Resp: 3920614

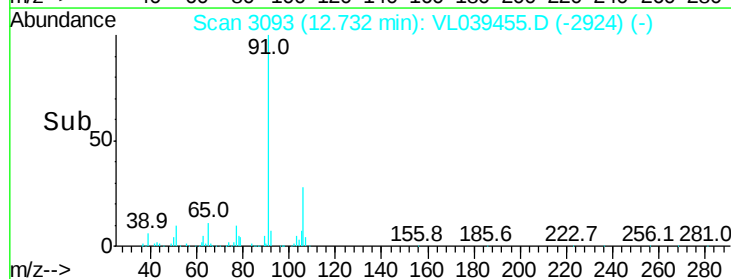
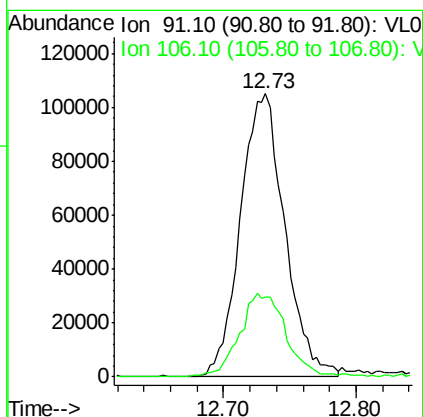
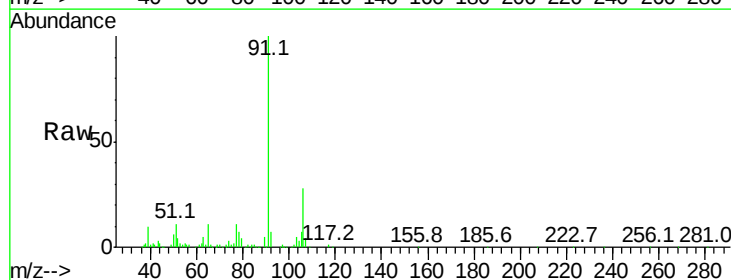
Ion	Ratio	Lower	Upper
117	100		
82	64.6	50.8	76.2
119	33.2	24.1	36.1

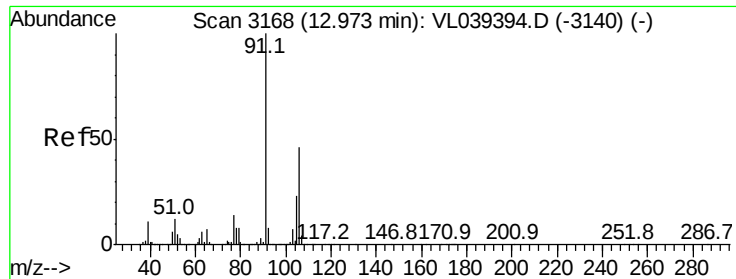


#58
Ethyl Benzene
Concen: 0.48 ppbv
RT: 12.73 min Scan# 3093
Delta R.T.: 0.04 min
Lab File: VL039455.D
Acq: 12 Jul 2022 19:30

Tgt Ion: 91 Resp: 244295

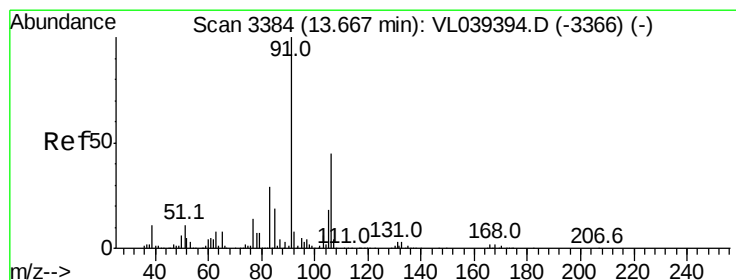
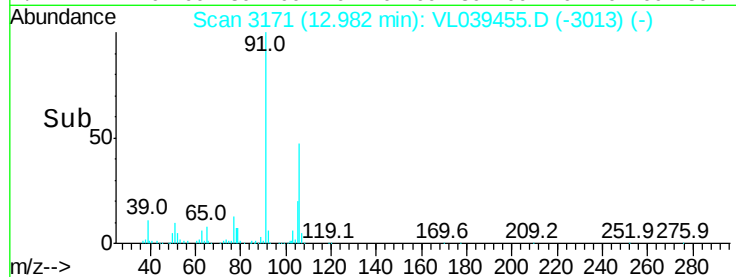
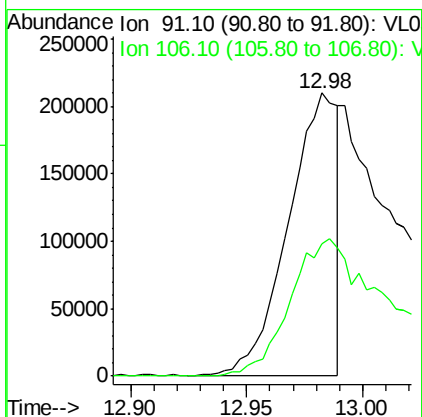
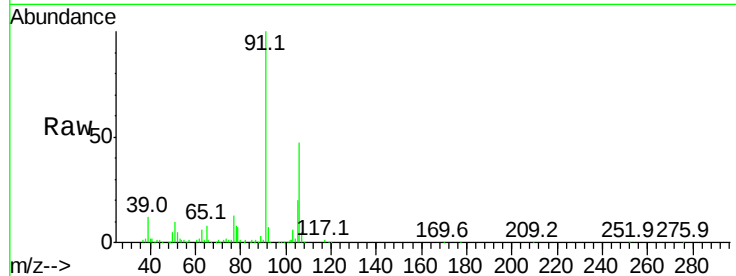
Ion	Ratio	Lower	Upper
91	100		
106	28.3	25.4	38.0





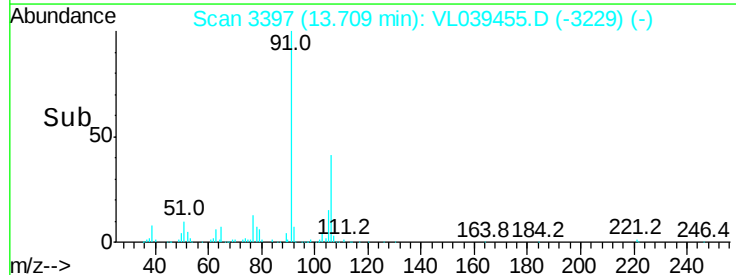
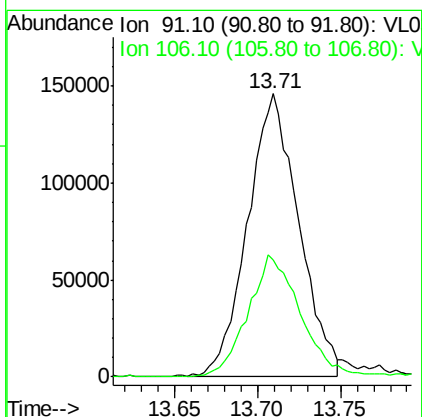
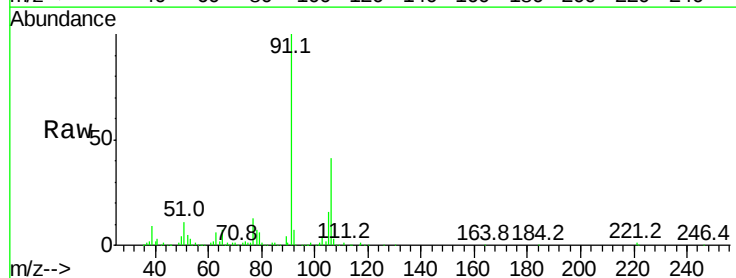
#59
m/p-Xylene
Concen: 0.69 ppbv
RT: 12.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 12 Jul 2022 19:30

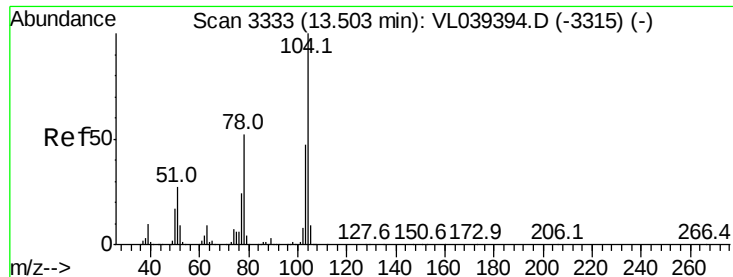
Tgt Ion: 91 Resp: 307525
Ion Ratio Lower Upper
91 100
106 101.8 35.4 53.2#



#60
o-Xylene
Concen: 0.74 ppbv
RT: 13.71 min Scan# 3397
Delta R.T.: 0.04 min
Lab File: VL039455.D
Acq: 12 Jul 2022 19:30

Tgt Ion: 91 Resp: 311922
Ion Ratio Lower Upper
91 100
106 45.1 22.4 67.3





#61

Styrene

Concen: 0.04 ppbv

RT: 13.55

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 19:30

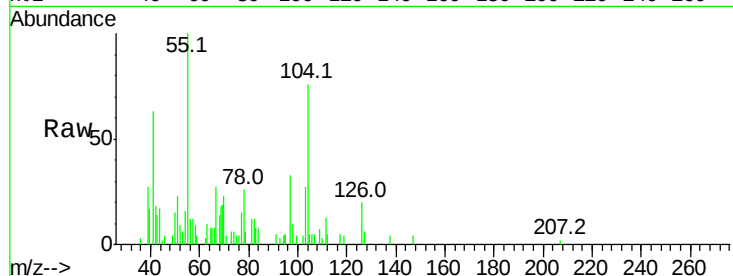
Tgt Ion:104 Resp: 8116

Ion Ratio Lower Upper

104 100

78 87.7 41.2 61.8#

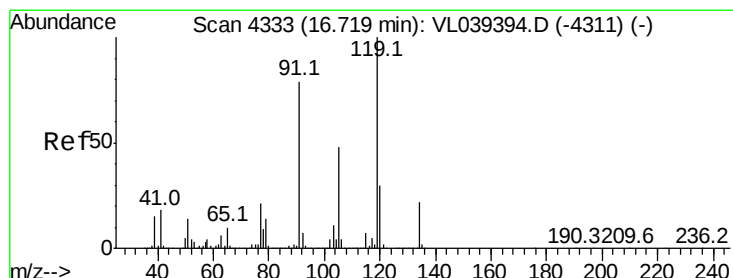
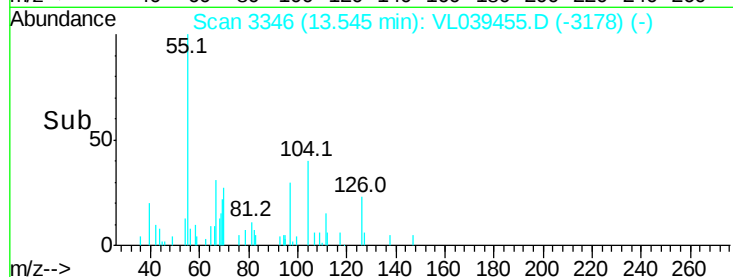
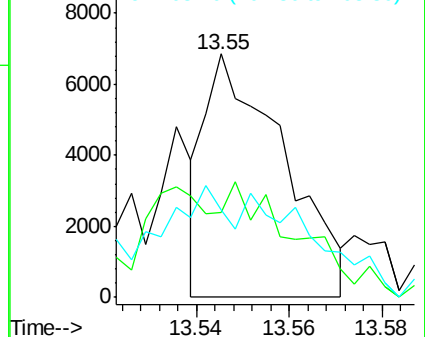
103 91.9 38.7 58.1#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#65

tert-Butylbenzene

Concen: 0.09 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.06 min

Lab File: VL039455.D

Acq: 12 Jul 2022 19:30

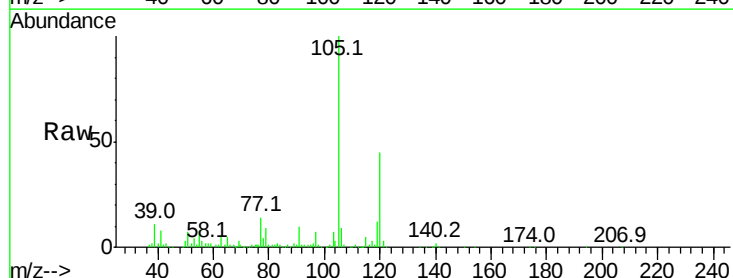
Tgt Ion:119 Resp: 56381

Ion Ratio Lower Upper

119 100

91 114.9 63.4 95.2#

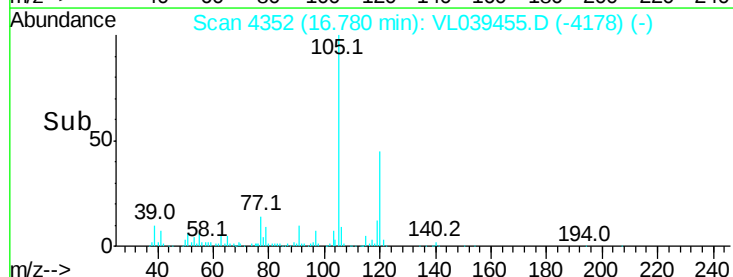
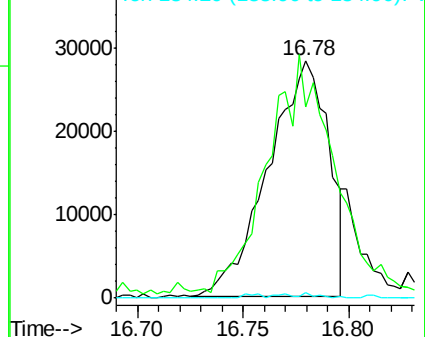
134 0.0 15.9 23.9#

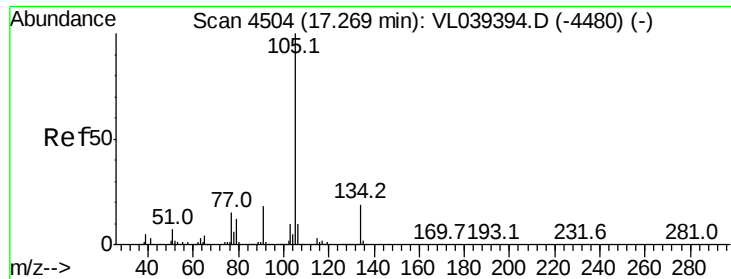


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

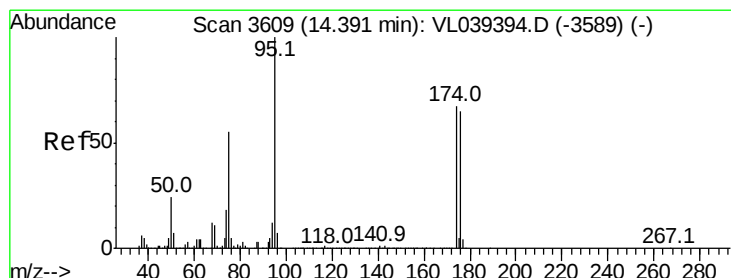
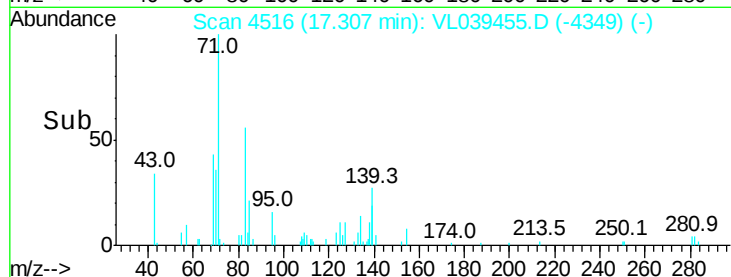
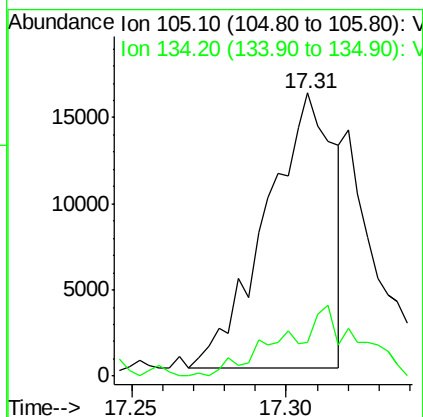
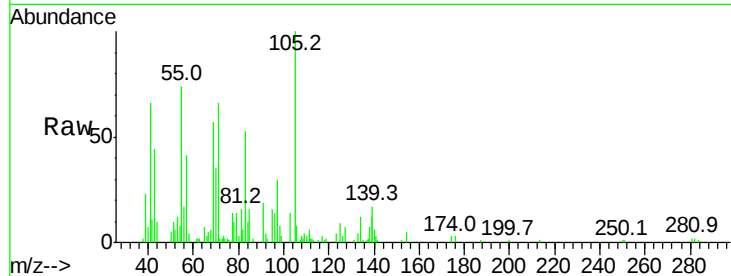
Ion 134.20 (133.90 to 134.90): V





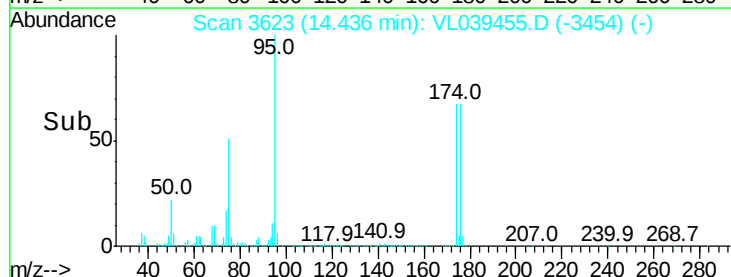
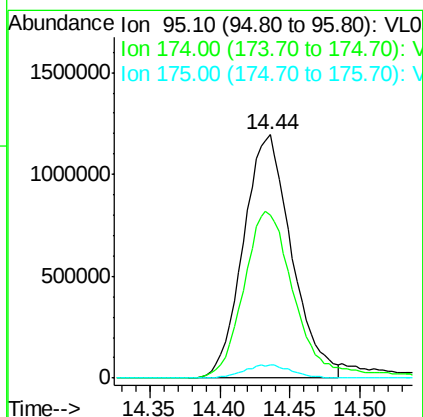
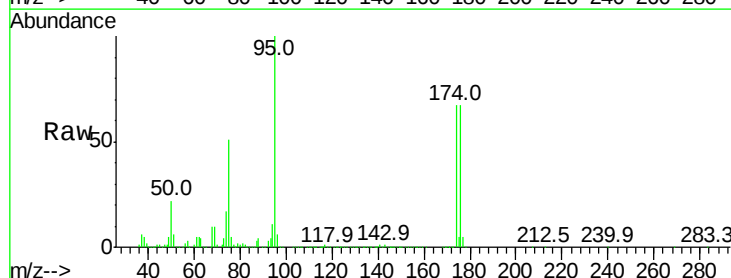
#67
 sec-Butylbenzene
 Concen: 0.03 ppbv
 RT: 17.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : SG-9
 Acq: 12 Jul 2022 19:30

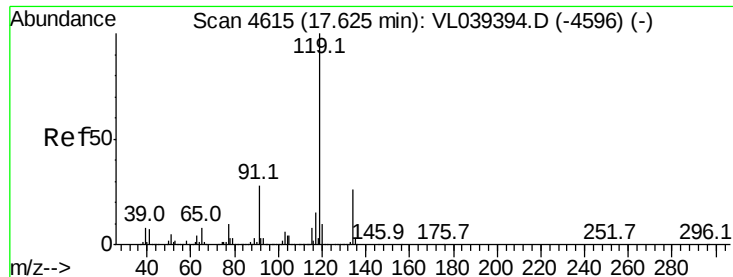
Tgt Ion: 105 Resp: 24258
 Ion Ratio Lower Upper
 105 100
 134 15.3 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.82 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.04 min
 Lab File: VL039455.D
 Acq: 12 Jul 2022 19:30

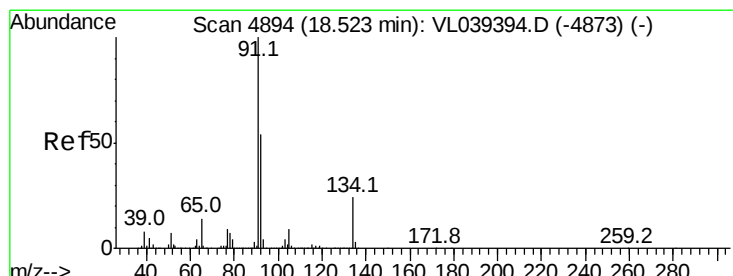
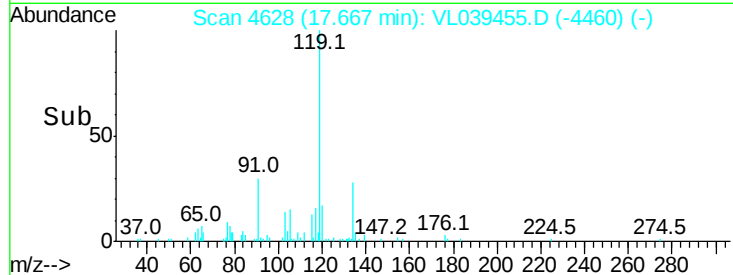
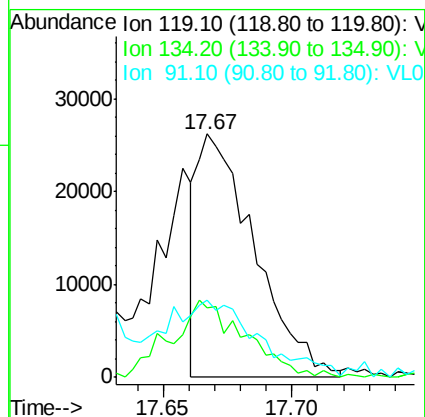
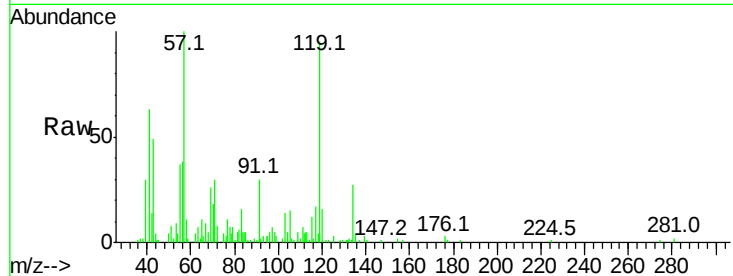
Tgt Ion: 95 Resp: 2856766
 Ion Ratio Lower Upper
 95 100
 174 75.4 55.9 83.9
 175 5.8 4.2 6.4





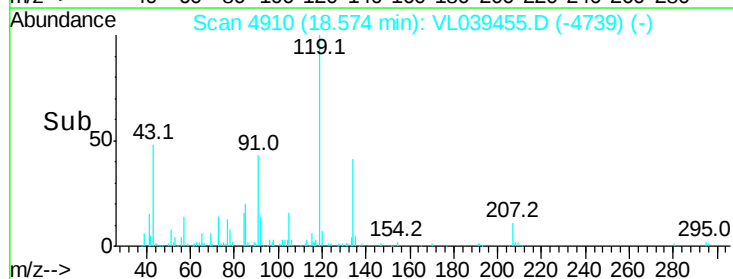
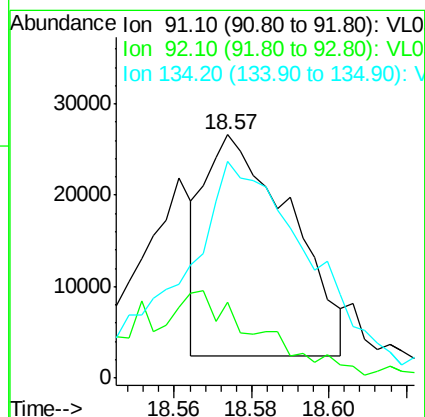
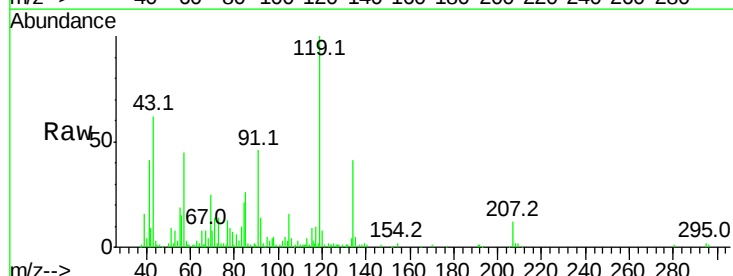
#69
 p-Isopropyltoluene
 Concen: 0.06 ppbv
 RT: 17.67 min
 Delta R.T. 0.05 min
 Lab File: VL039455.D
 Acq: 12 Jul 2022 19:30

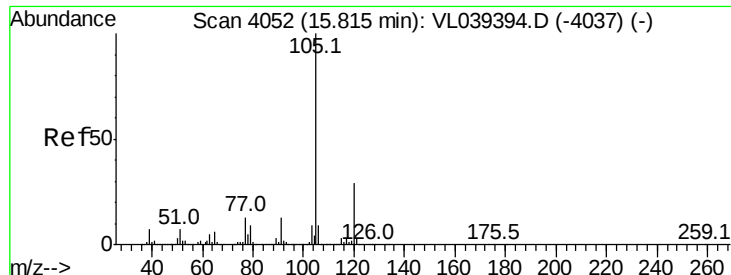
Tgt Ion:	119	Resp:	40180
Ion Ratio	100	Lower	Upper
119	100		
134	42.8	20.3	30.5#
91	56.4	22.9	34.3#



#70
 n-Butylbenzene
 Concen: 0.06 ppbv
 RT: 18.57 min
 Delta R.T. 0.05 min
 Lab File: VL039455.D
 Acq: 12 Jul 2022 19:30

Tgt Ion:	91	Resp:	37373
Ion Ratio	100	Lower	Upper
91	100		
92	64.1	43.4	65.2
134	182.9	18.9	28.3#





#72

4-Ethyltoluene

Concen: 0.09 ppbv

RT: 15.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 19:30

Tgt Ion:105 Resp: 42316

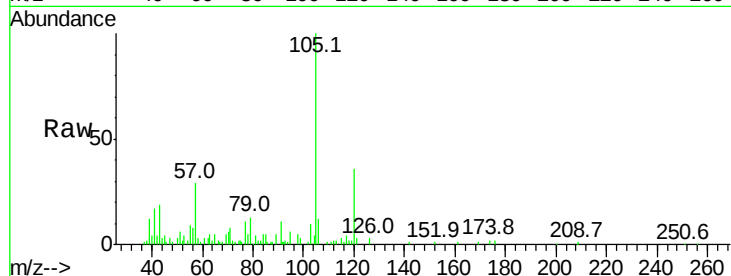
Ion Ratio Lower Upper

105 100

120 79.4 24.2 36.2#

91 0.0 10.2 15.4#

77 38.5 11.1 16.7#

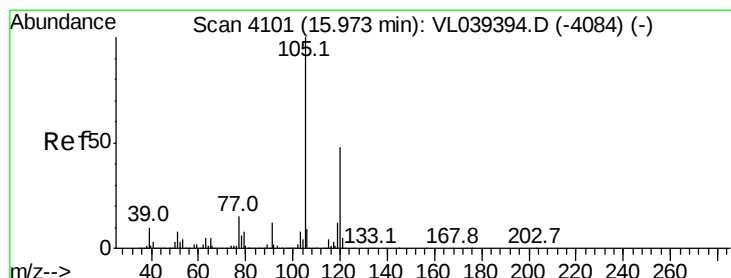
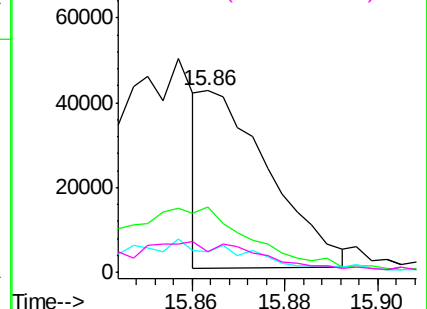
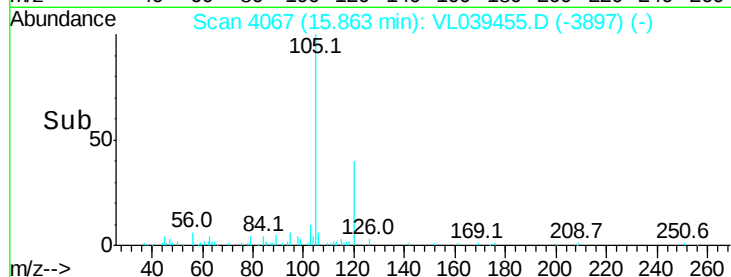


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.39 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.04 min

Lab File: VL039455.D

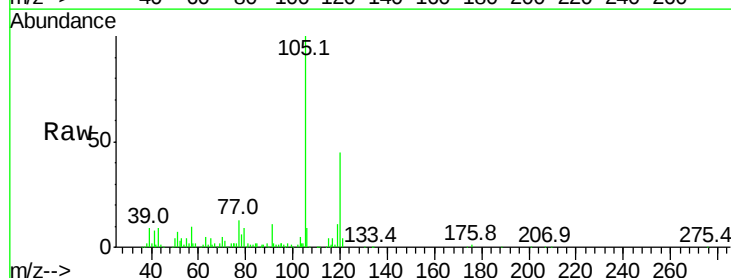
Acq: 12 Jul 2022 19:30

Tgt Ion:105 Resp: 177694

Ion Ratio Lower Upper

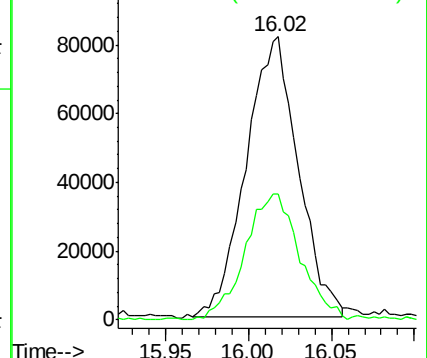
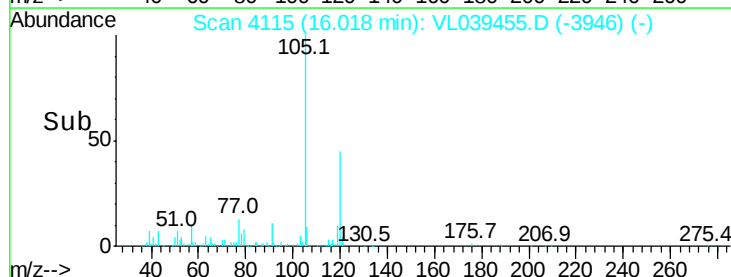
105 100

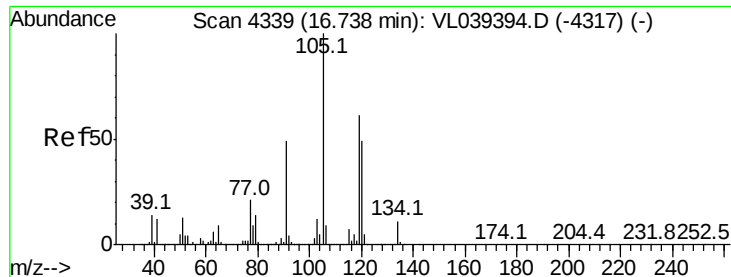
120 44.7 38.2 57.4



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: 1.11 ppbv

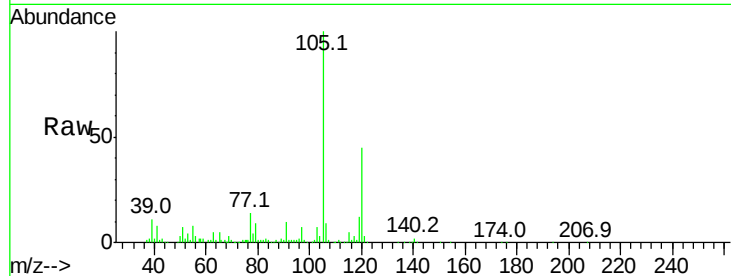
RT: 16.78

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 19:30

Tgt Ion:	105	Resp:	558114
Ion Ratio	Lower	Upper	
105	100		
120	45.1	39.5	59.3
91	9.6	39.2	58.8#
77	13.5	17.2	25.8#

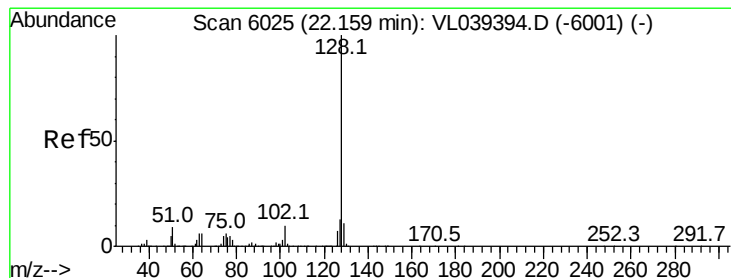
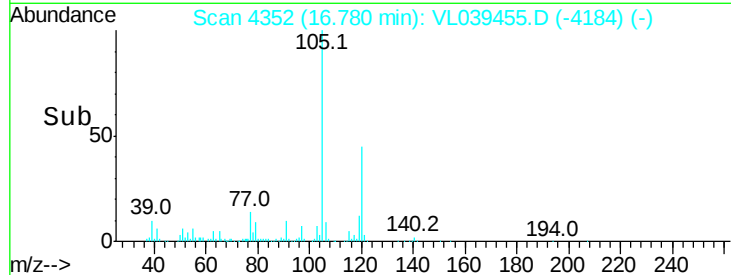
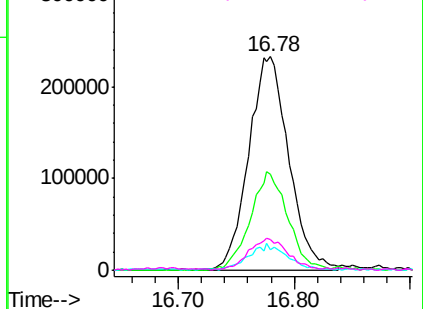


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.05 ppbv

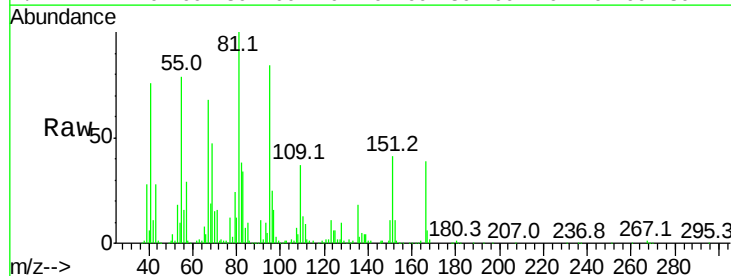
RT: 22.24 min Scan# 6049

Delta R.T. 0.08 min

Lab File: VL039455.D

Acq: 12 Jul 2022 19:30

Tgt Ion:	128	Resp:	17586
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	15.8
129	11.9	8.8	13.2



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

