

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
 Data File : VL038694.D
 Acq On : 22 Mar 2022 21:44
 Operator : SY/AP
 Sample : N1961-14
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P77

Quant Time: Mar 23 04:15:42 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	815500	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2221490	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2020720	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1541668	9.95	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

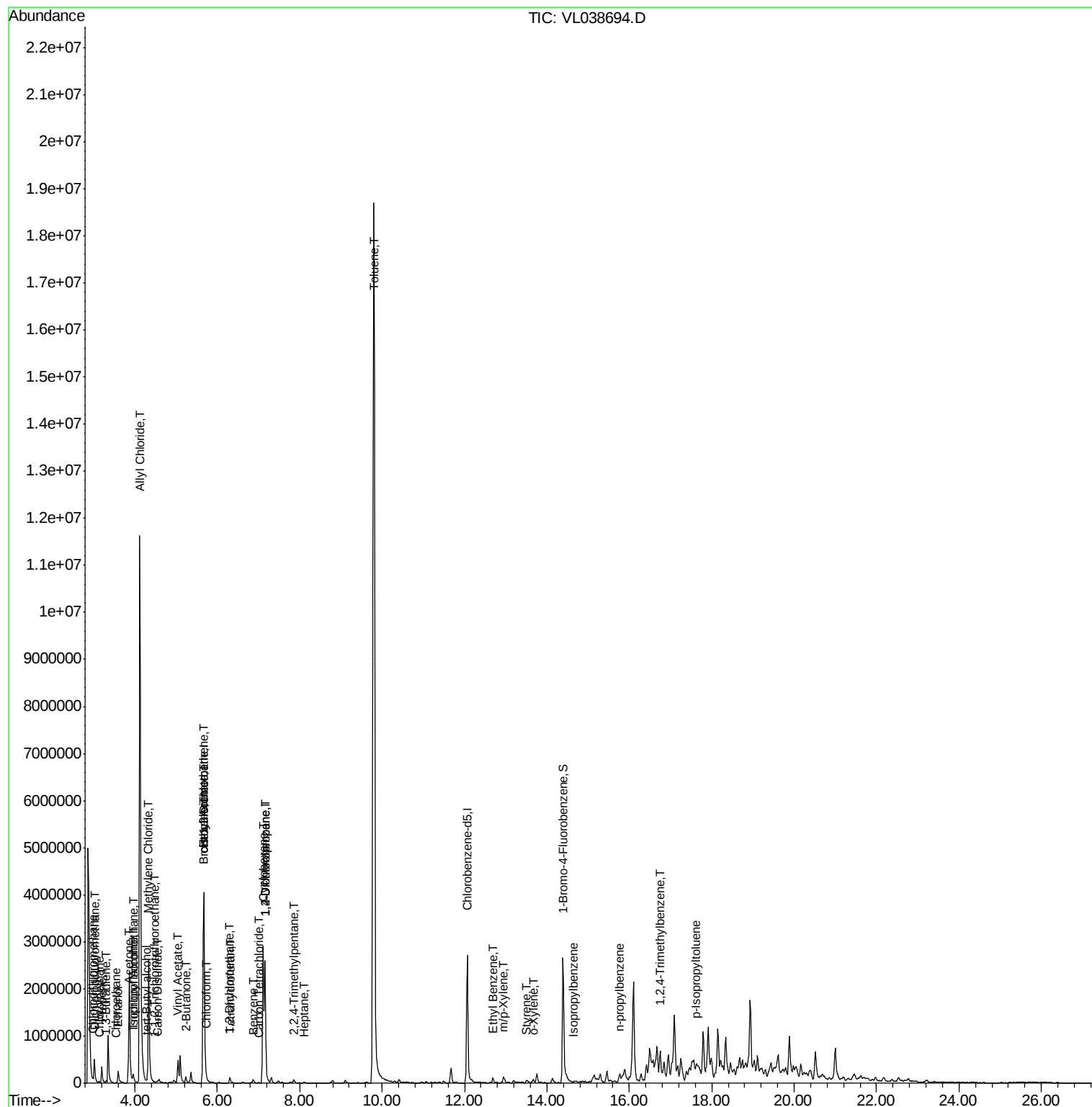
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	21875	0.20	ppbv	90
3) Chlorodifluoromethane	2.98	51	90854	1.05	ppbv #	91
4) Chloromethane	3.14	50	26340	0.56	ppbv	89
7) Chloroethane	3.55	64	8400	0.53	ppbv	96
9) Propene	3.20	41	97886	2.35	ppbv	85
10) Heptane	8.10	43	9802	0.10	ppbv	97
11) Trichlorofluoromethane	3.94	101	21743	0.22	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2629	0.04	ppbv #	16
13) Ethanol	3.59	45	330903	72.14	ppbv	99
15) Acetone	3.84	43	332468	4.72	ppbv #	52
16) 1,3-Butadiene	3.30	39	16253	0.41	ppbv #	6
17) tert-Butyl alcohol	4.29	59	38751	0.63	ppbv #	73
19) Isopropyl Alcohol	3.96	45	181219	4.64	ppbv #	94
20) Methylene Chloride	4.33	84	1240353	41.85	ppbv	96
21) Allyl Chloride	4.12	41	5063643	99.99	ppbv #	53
23) Vinyl Acetate	5.04	43	103642	1.52	ppbv #	1
25) Ethyl Acetate	5.67	43	1928829	10.89	ppbv #	91
26) Hexane	5.67	57	1612750	20.34	ppbv #	59
27) Carbon Disulfide	4.54	76	42107	0.54	ppbv #	83
29) Chloroform	5.74	83	4090	0.03	ppbv	92
30) Cyclohexane	7.11	84	1203960	17.46	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	107665	1.44	ppbv #	22
34) 2-Butanone	5.23	43	176462	2.01	ppbv	95
35) Carbon Tetrachloride	7.00	117	4792	0.04	ppbv	90
36) Benzene	6.87	78	62114	0.36	ppbv	96
37) 1,2-Dichloroethane	6.29	62	7833	0.09	ppbv	98
39) 1,2-Dichloropropane	7.16	63	498440	7.44	ppbv #	33
41) Tetrahydrofuran	6.30	42	12551	0.19	ppbv #	35
44) 2,2,4-Trimethylpentane	7.85	57	56820	0.20	ppbv #	68
53) Toluene	9.80	91	20038673	108.77	ppbv #	83
58) Ethyl Benzene	12.69	91	98553	0.42	ppbv	99
59) m/p-Xylene	12.95	91	67700	0.33	ppbv #	30
60) o-Xylene	13.67	91	52625	0.27	ppbv	96
61) Styrene	13.51	104	16786	0.16	ppbv #	18
62) Isopropylbenzene	14.64	105	22726	0.08	ppbv	97
64) n-propylbenzene	15.74	120	2308	0.03	ppbv	66
69) p-Isopropyltoluene	17.63	119	73655	0.24	ppbv #	93
74) 1,2,4-Trimethylbenzene	16.74	105	19624	0.09	ppbv #	72

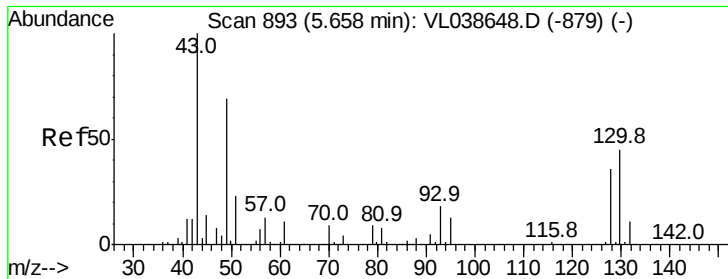
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP77

Acq: 22 Mar 2022 21:44

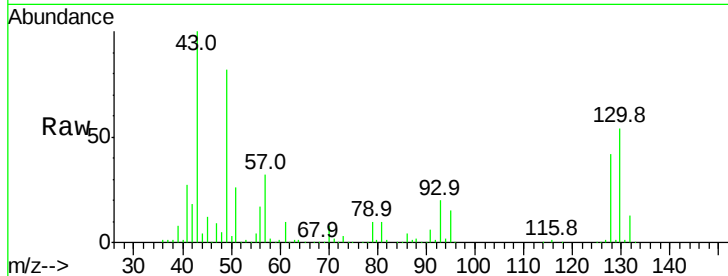
Tgt Ion: 49 Resp: 815500

Ion Ratio Lower Upper

49 100

128 52.9 26.2 78.6

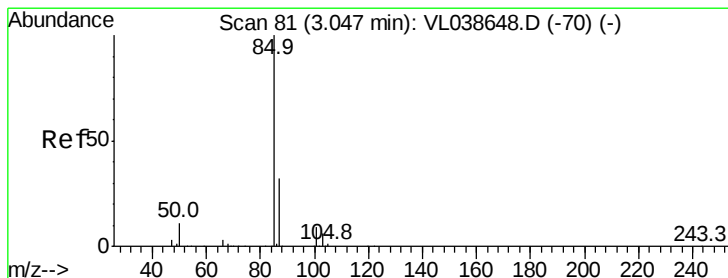
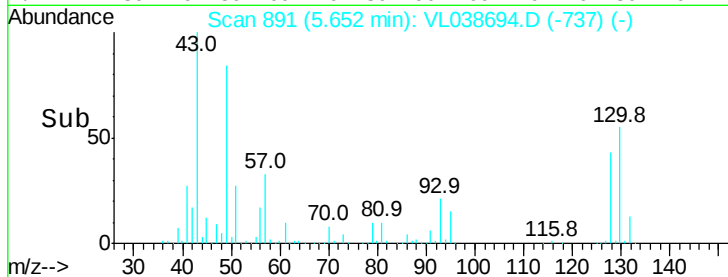
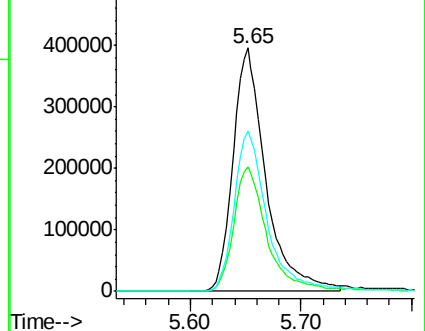
130 67.7 33.7 101.1



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: 0.20 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL038694.D

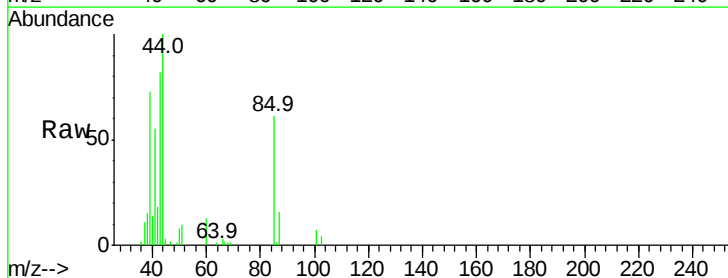
Acq: 22 Mar 2022 21:44

Tgt Ion: 85 Resp: 21875

Ion Ratio Lower Upper

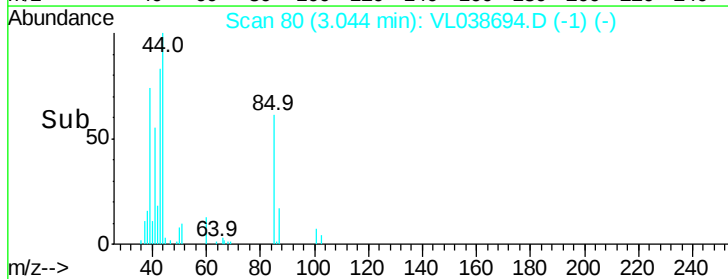
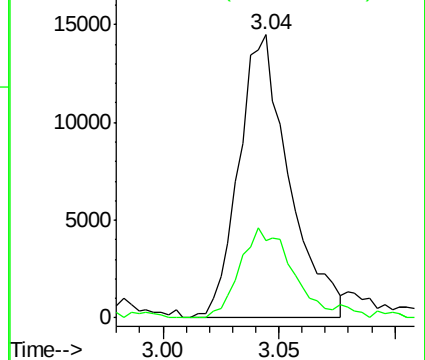
85 100

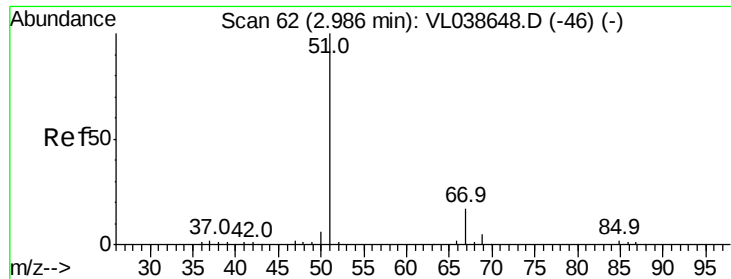
87 27.1 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.05 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

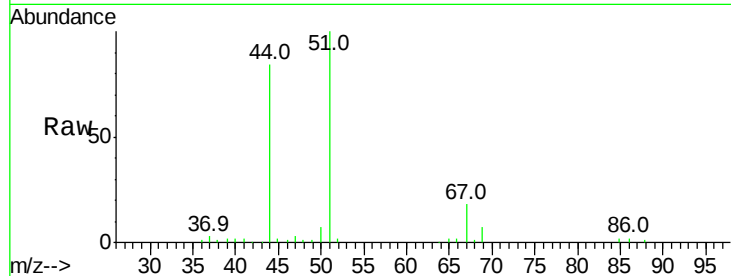
Acq: 22 Mar 2022 21:44 COP77

Tgt Ion: 51 Resp: 90854

Ion Ratio Lower Upper

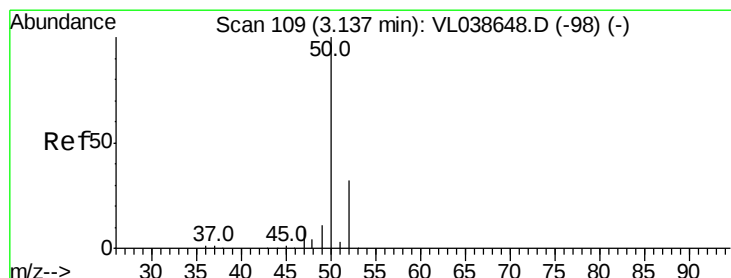
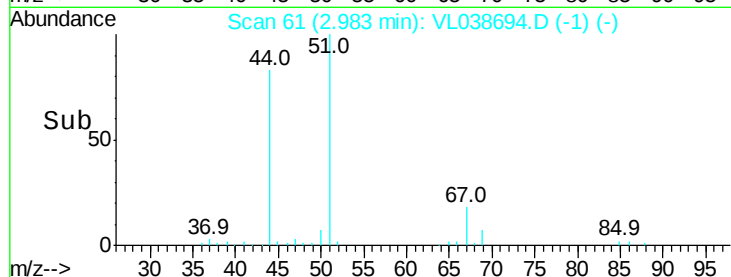
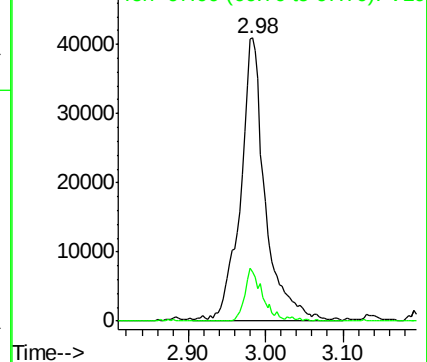
51 100

67 13.8 14.1 21.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.56 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL038694.D

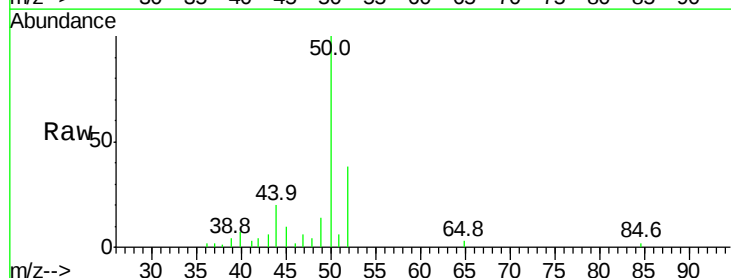
Acq: 22 Mar 2022 21:44

Tgt Ion: 50 Resp: 26340

Ion Ratio Lower Upper

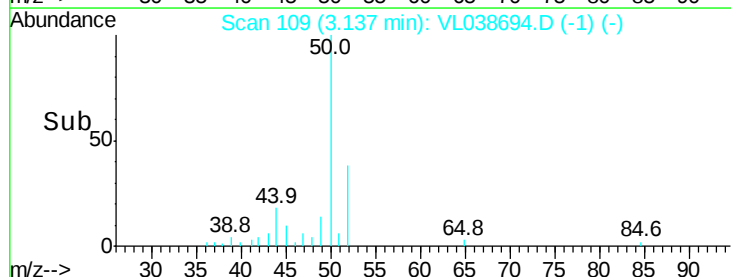
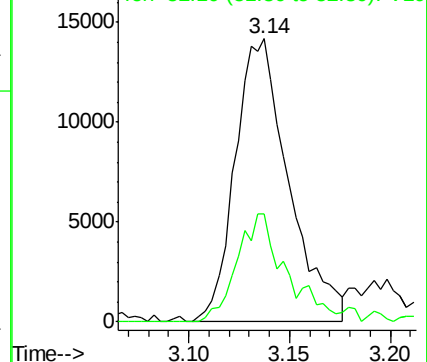
50 100

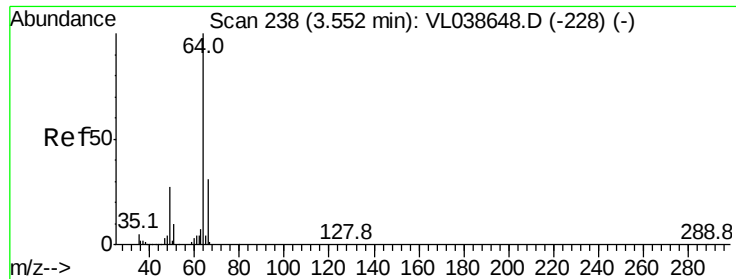
52 38.2 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.53 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

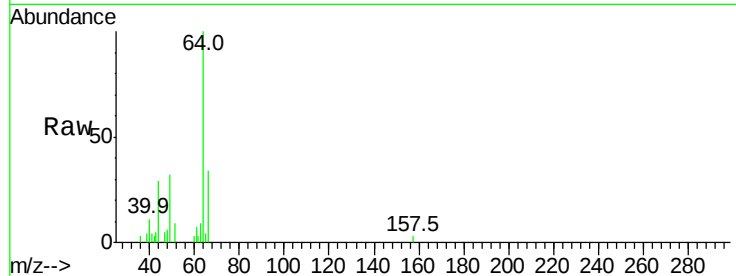
Acq: 22 Mar 2022 21:44

Tgt Ion: 64 Resp: 8400

Ion Ratio Lower Upper

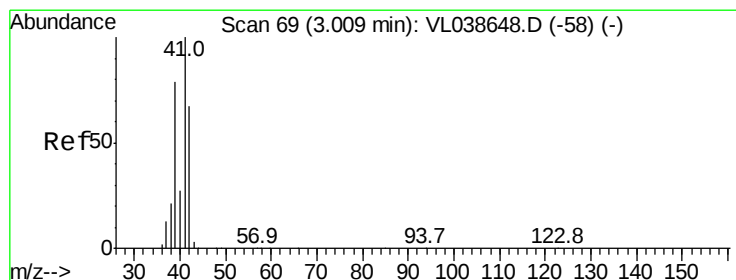
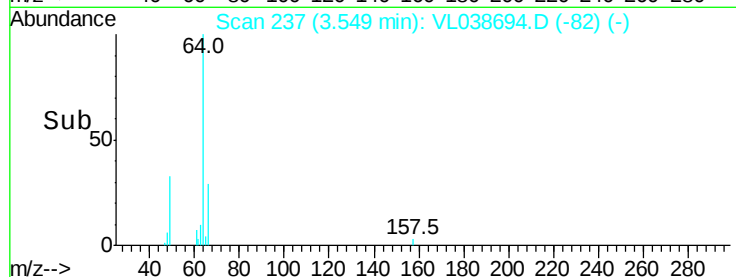
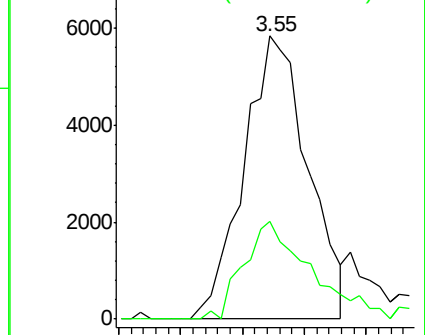
64 100

66 33.2 25.0 37.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 2.35 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.19 min

Lab File: VL038694.D

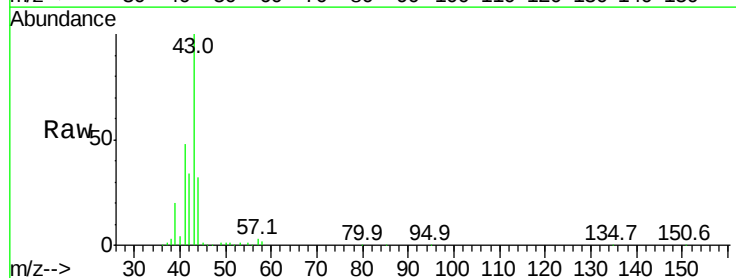
Acq: 22 Mar 2022 21:44

Tgt Ion: 41 Resp: 97886

Ion Ratio Lower Upper

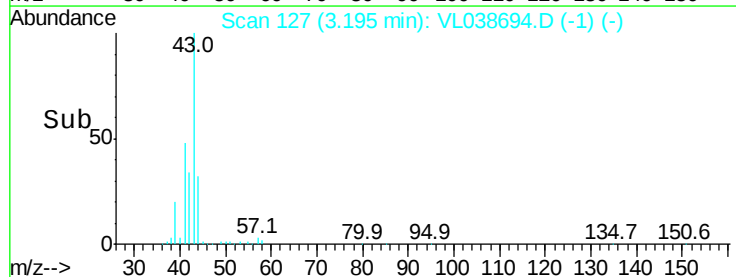
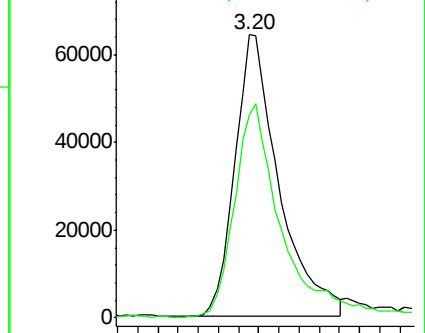
41 100

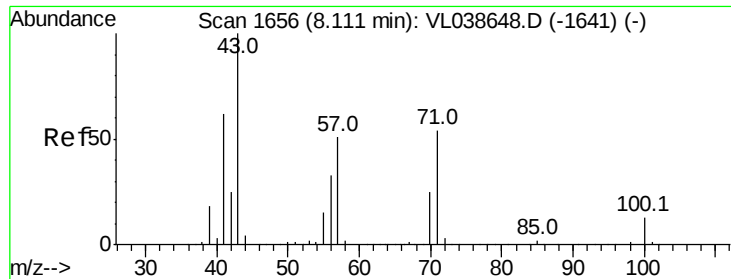
42 82.8 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.10 ppbv

RT: 8.10 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

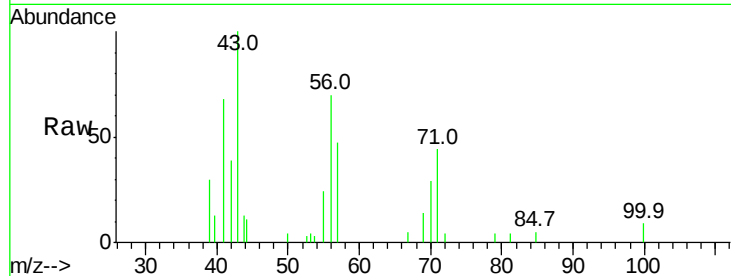
Acq: 22 Mar 2022 21:44

Tgt Ion: 43 Resp: 9802

Ion Ratio Lower Upper

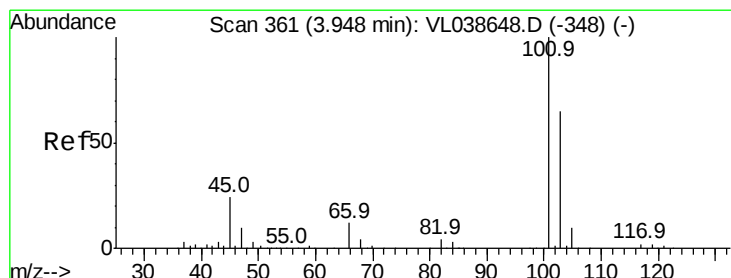
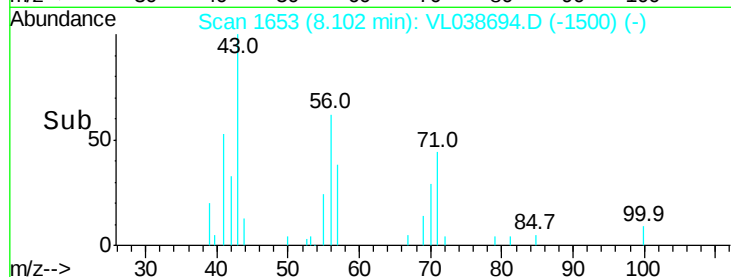
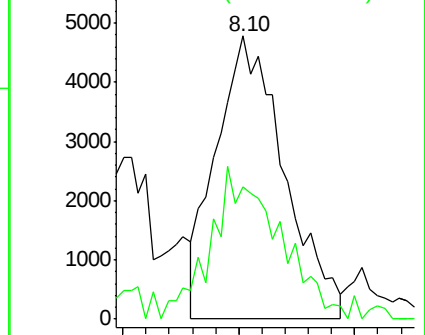
43 100

57 53.9 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.22 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL038694.D

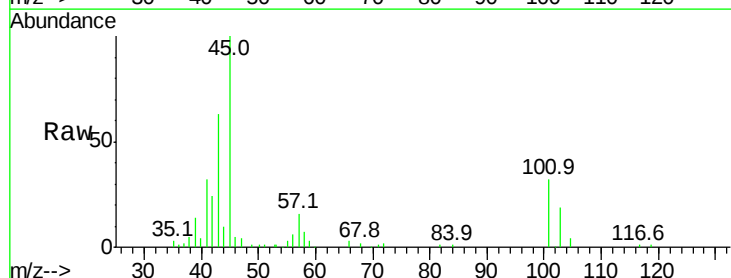
Acq: 22 Mar 2022 21:44

Tgt Ion: 101 Resp: 21743

Ion Ratio Lower Upper

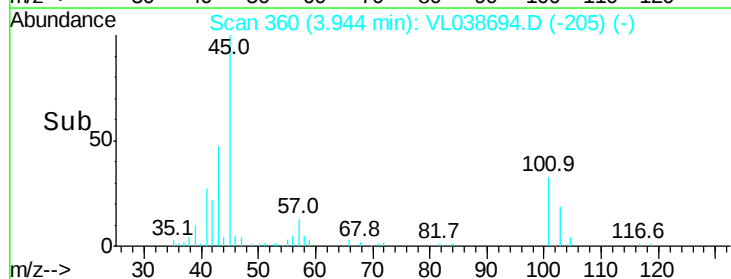
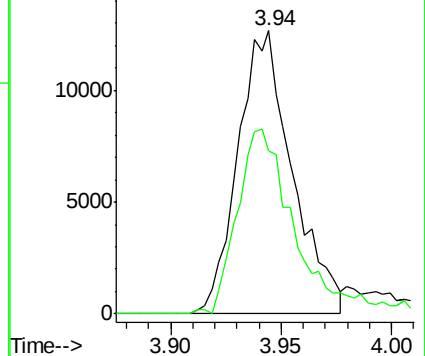
101 100

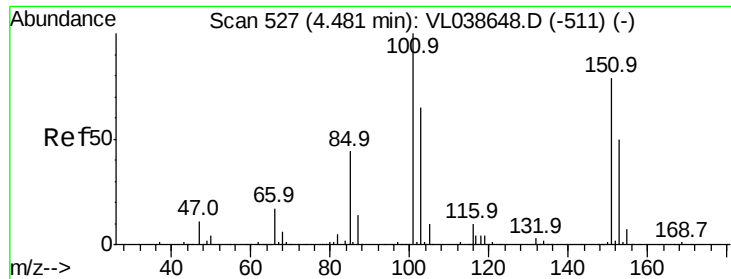
103 57.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.04 ppbv

RT: 4.47

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

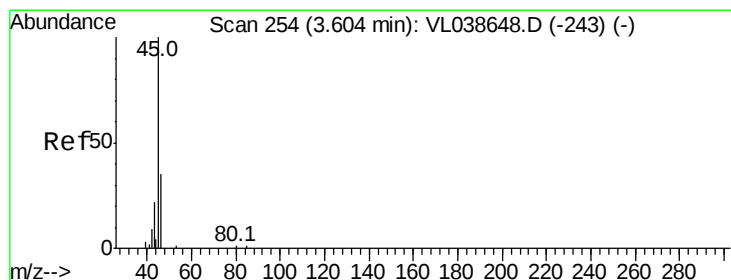
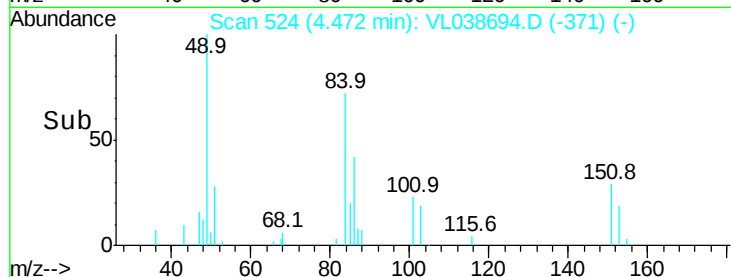
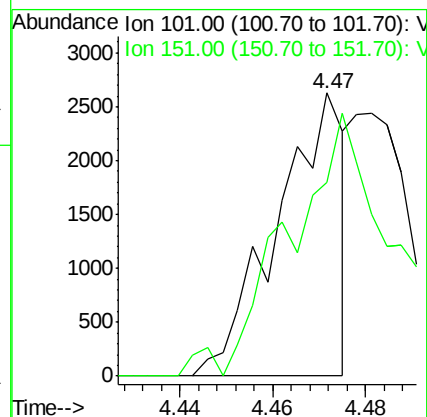
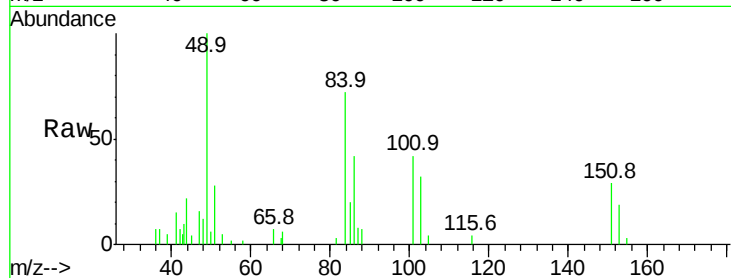
Acq: 22 Mar 2022 21:44

Tgt Ion: 101 Resp: 2629

Ion Ratio Lower Upper

101 100

151 151.9 62.9 94.3#



#13

Ethanol

Concen: 72.14 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL038694.D

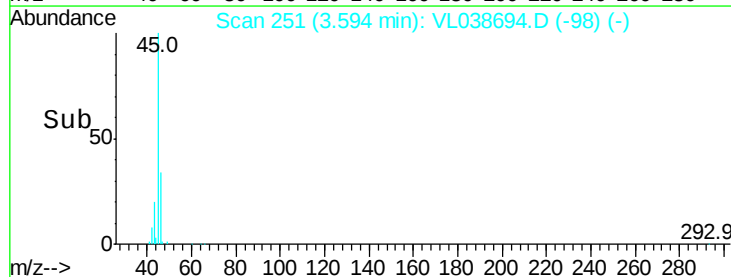
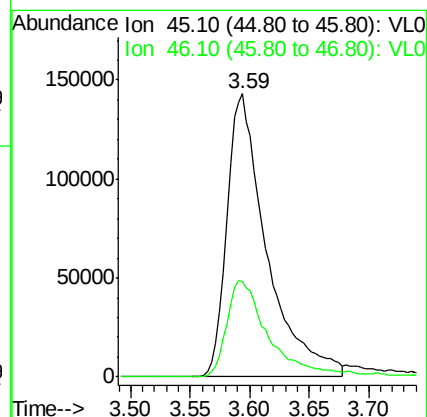
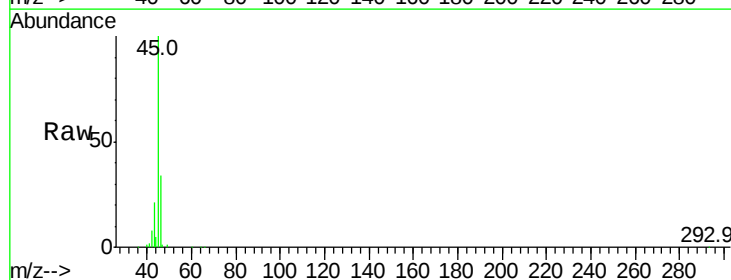
Acq: 22 Mar 2022 21:44

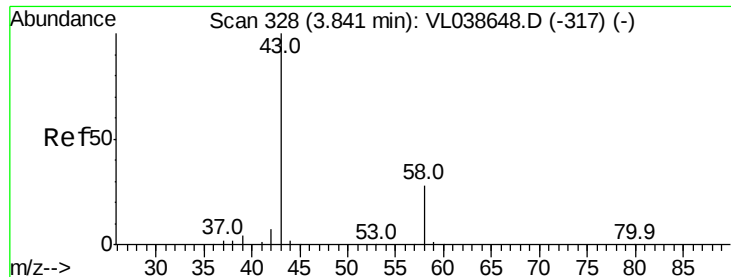
Tgt Ion: 45 Resp: 330903

Ion Ratio Lower Upper

45 100

46 37.0 15.1 60.5





#15

Acetone

Concen: 4.72 ppbv

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

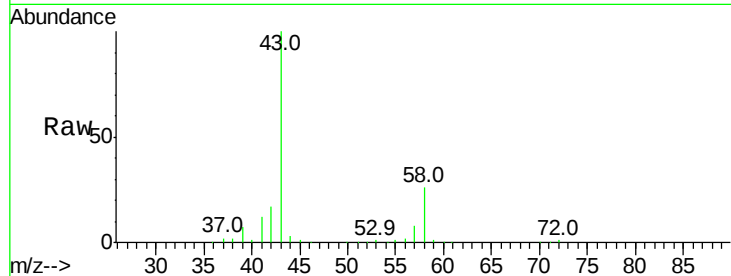
Acq: 22 Mar 2022 21:44

Tgt Ion: 43 Resp: 332468

Ion Ratio Lower Upper

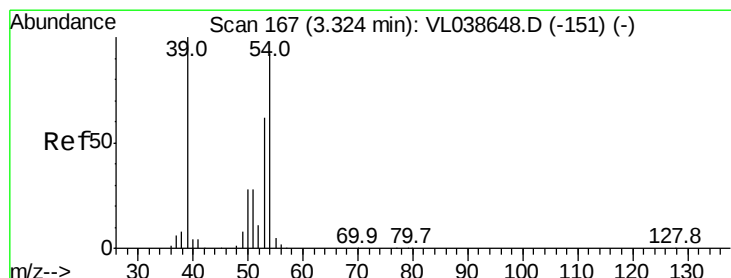
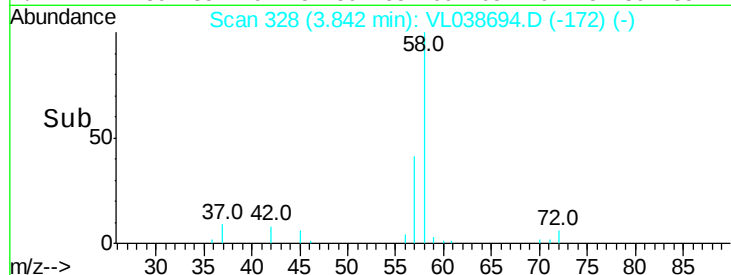
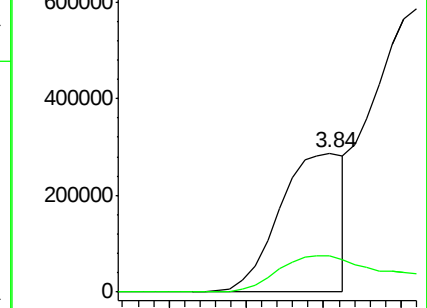
43 100

58 54.9 23.3 34.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.41 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.03 min

Lab File: VL038694.D

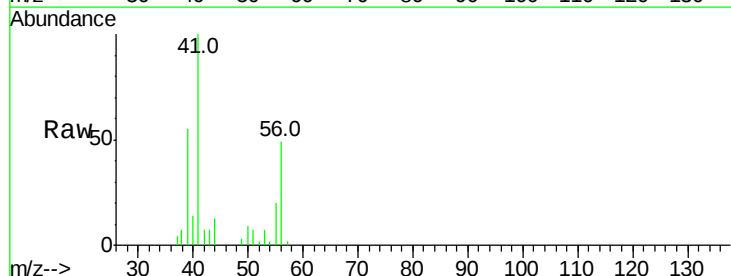
Acq: 22 Mar 2022 21:44

Tgt Ion: 39 Resp: 16253

Ion Ratio Lower Upper

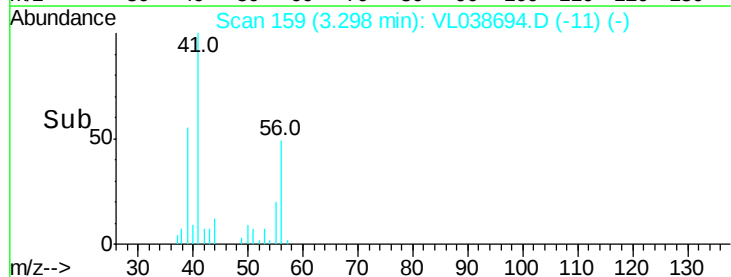
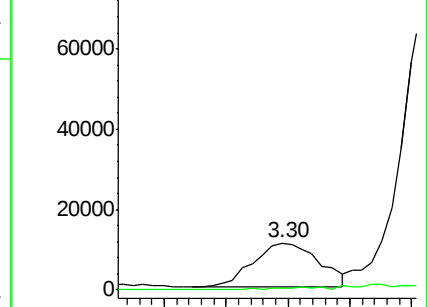
39 100

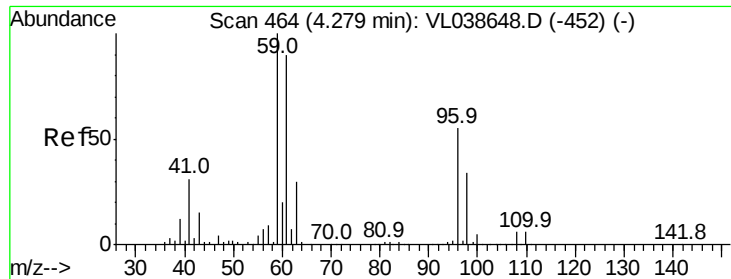
54 0.0 69.1 103.7#



Abundance Ion 39.10 (38.80 to 39.80): VL0

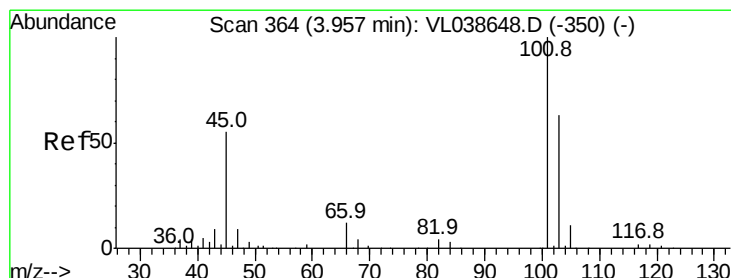
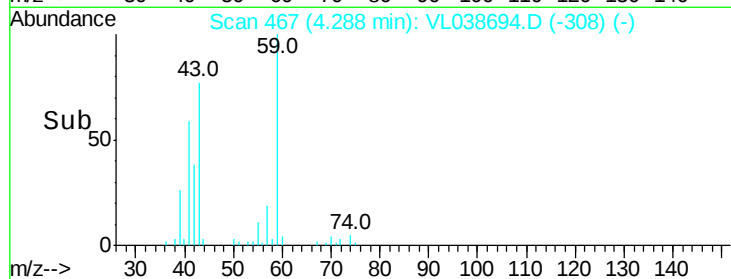
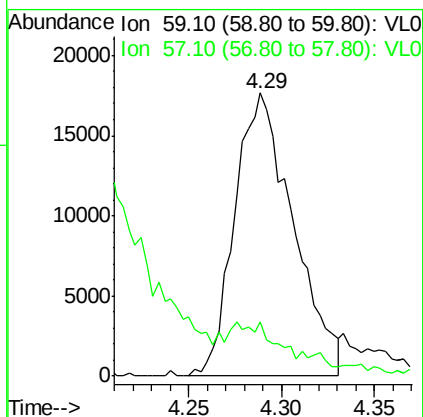
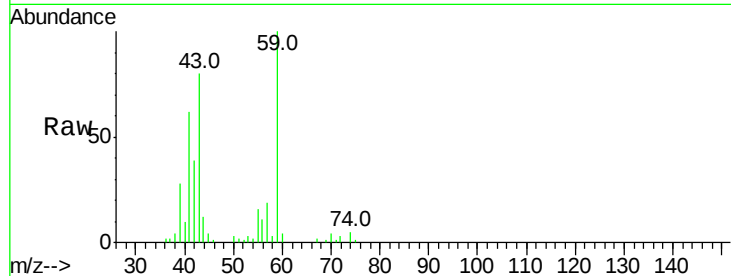
Ion 54.10 (53.80 to 54.80): VL0





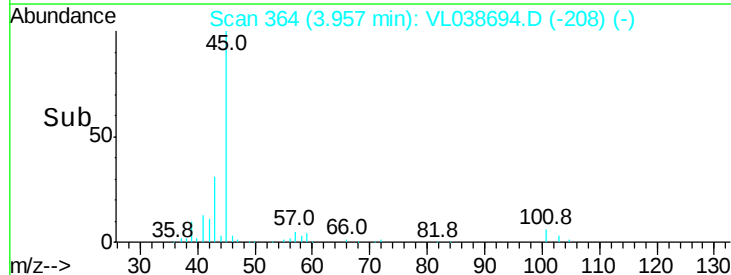
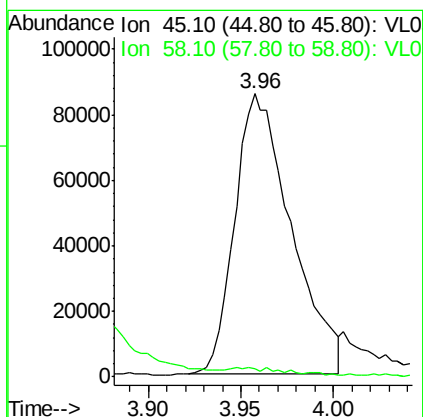
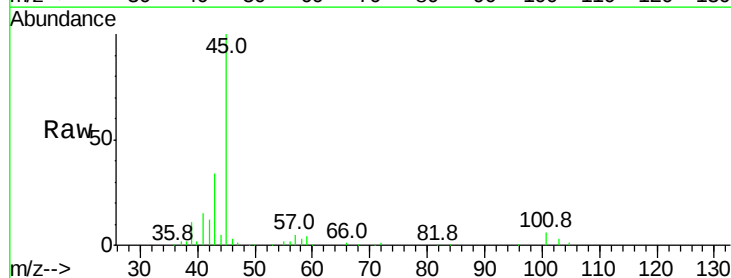
#17
 tert-Butyl alcohol
 Concen: 0.63 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Mar 2022 21:44

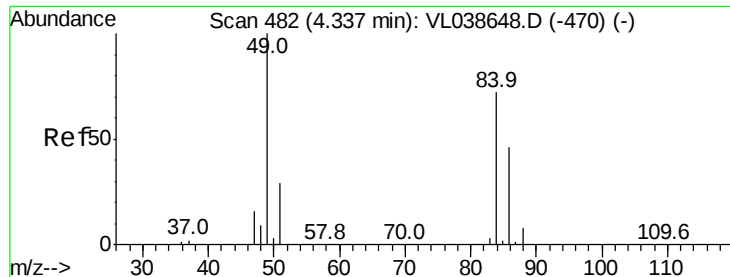
Tgt Ion: 59 Resp: 38751
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



#19
 Isopropyl Alcohol
 Concen: 4.64 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL038694.D
 Acq: 22 Mar 2022 21:44

Tgt Ion: 45 Resp: 181219
 Ion Ratio Lower Upper
 45 100
 58 5.0 2.3 3.5#





#20

Methylene Chloride

Concen: 41.85 ppbv

RT: 4.33 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Mar 2022 21:44

Tgt Ion: 84 Resp: 1240353

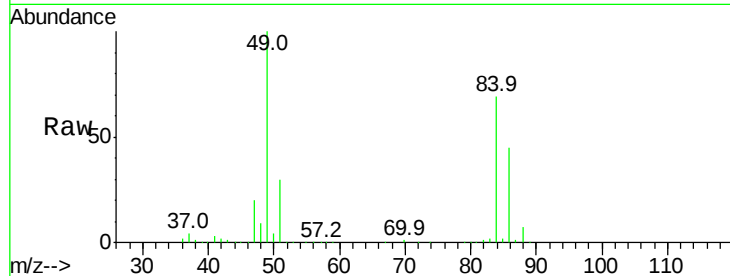
Ion Ratio Lower Upper

84 100

49 145.4 111.2 166.8

51 44.3 32.8 49.2

86 65.0 51.4 77.0

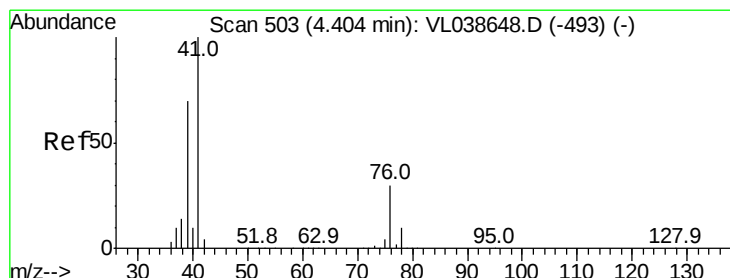
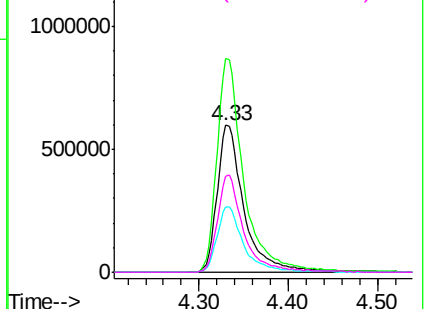
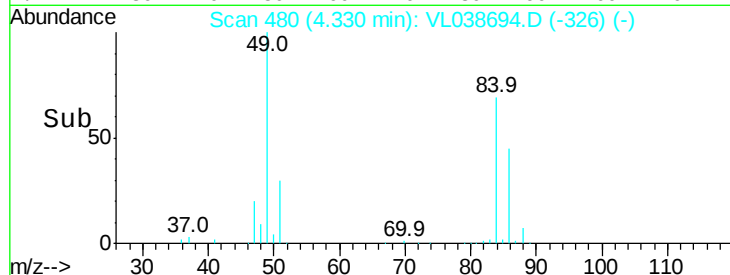


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 99.99 ppbv

RT: 4.12 min Scan# 414

Delta R.T. -0.29 min

Lab File: VL038694.D

Acq: 22 Mar 2022 21:44

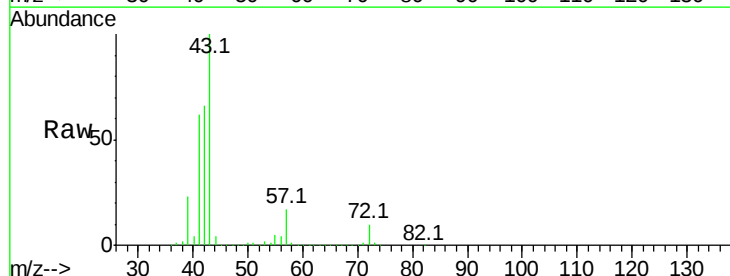
Tgt Ion: 41 Resp: 5063643

Ion Ratio Lower Upper

41 100

76 0.0 25.0 37.6#

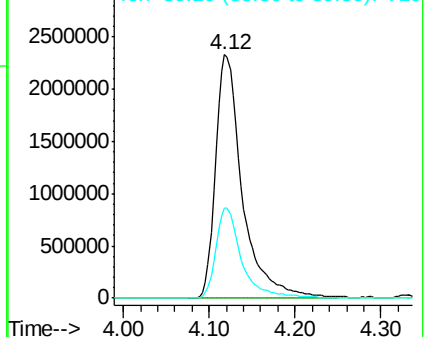
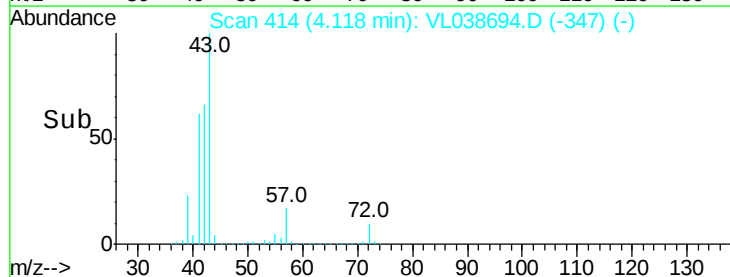
39 35.5 56.6 85.0#

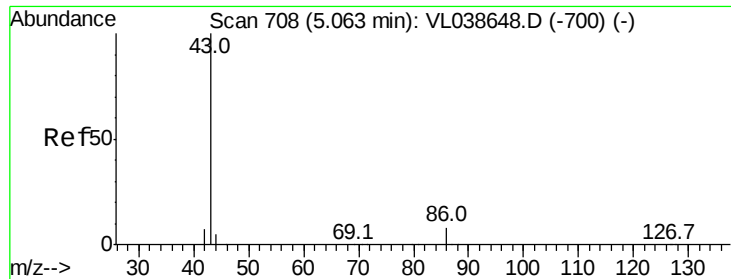


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 1.52 ppbv

RT: 5.04 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP77

Acq: 22 Mar 2022 21:44

Tgt Ion: 43 Resp: 103642

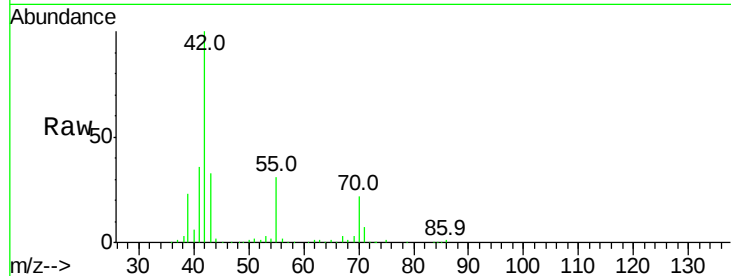
Ion Ratio Lower Upper

43 100

86 3.6 5.6 8.4#

42 311.5 6.8 10.2#

44 3.6 4.2 6.2#

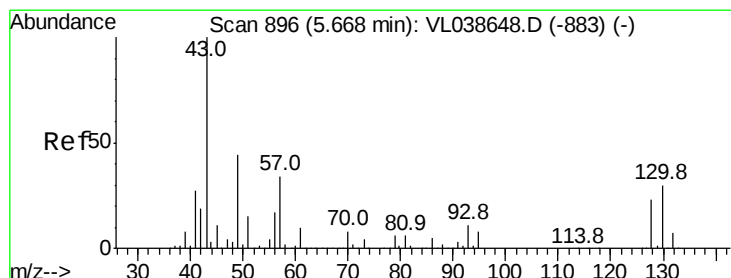
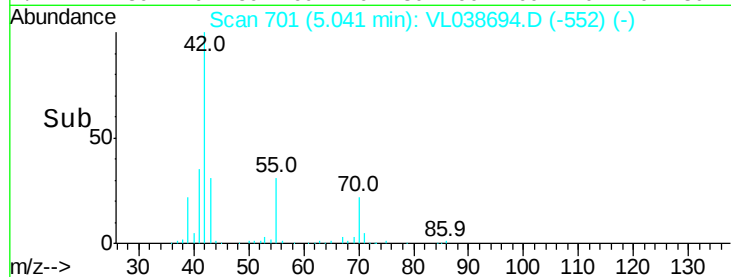
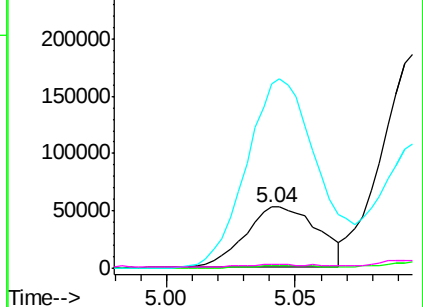


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.89 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL038694.D

Acq: 22 Mar 2022 21:44

Tgt Ion: 43 Resp: 1928829

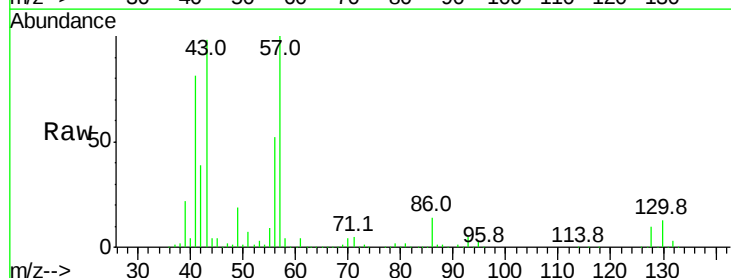
Ion Ratio Lower Upper

43 100

45 6.8 8.2 12.4#

61 6.2 8.3 12.5#

70 5.0 5.6 8.4#

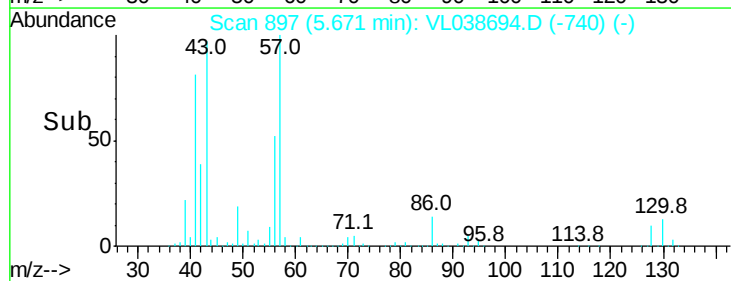
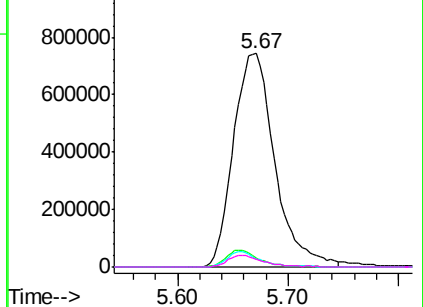


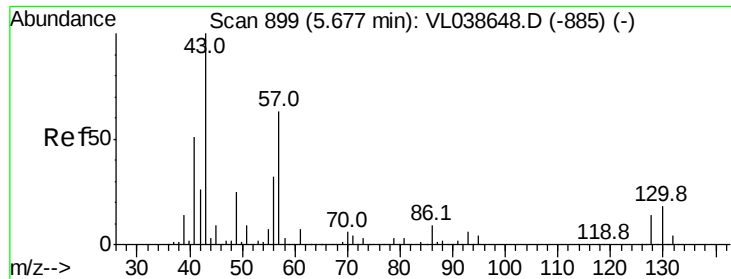
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

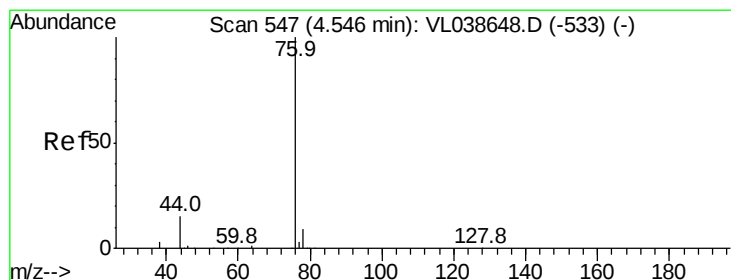
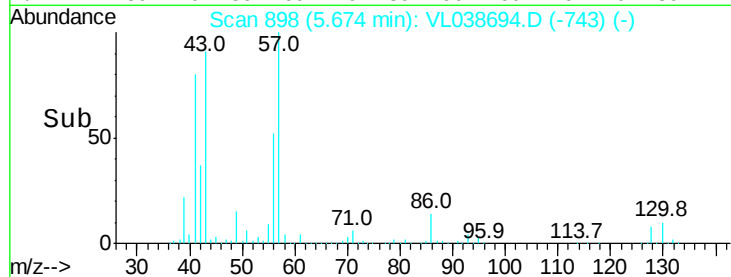
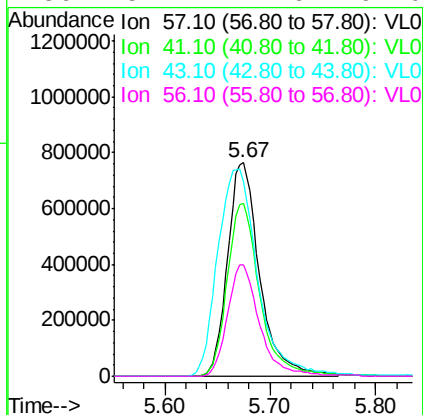
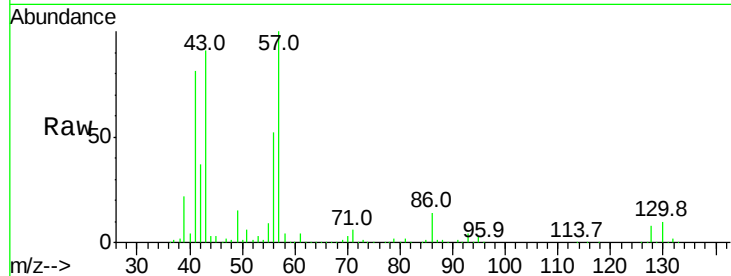
Ion 70.10 (69.80 to 70.80): VL0





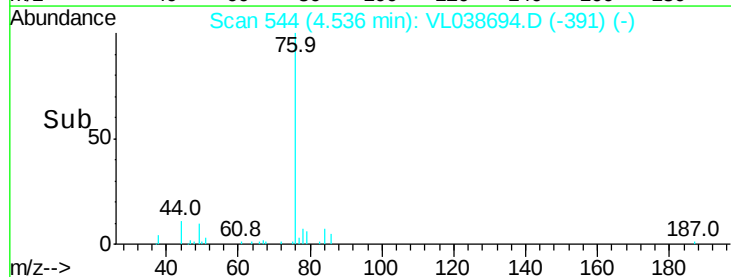
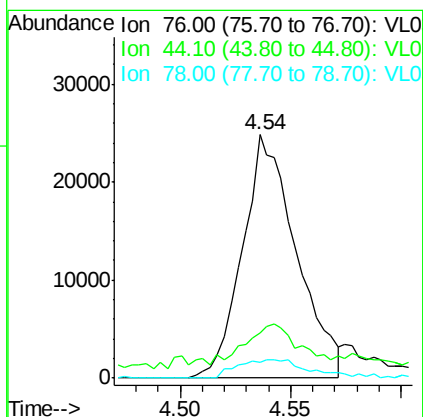
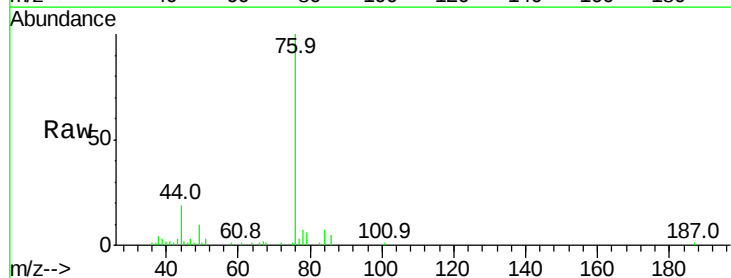
#26
Hexane
Concen: 20.34 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 21:44

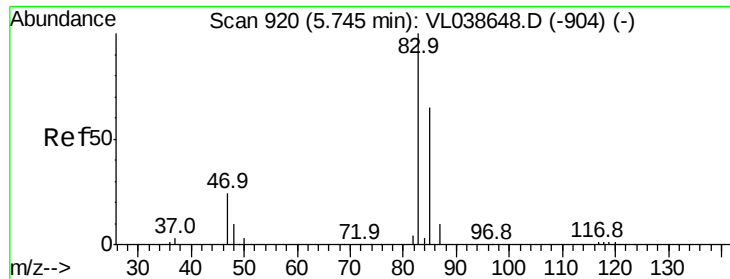
Tgt Ion:	57	Resp:	1612750
Ion	Ratio	Lower	Upper
57	100		
41	82.5	67.0	100.4
43	122.2	184.2	276.2#
56	52.4	42.6	64.0



#27
Carbon Disulfide
Concen: 0.54 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.01 min
Lab File: VL038694.D
Acq: 22 Mar 2022 21:44

Tgt Ion:	76	Resp:	42107
Ion	Ratio	Lower	Upper
76	100		
44	26.8	12.4	18.6#
78	10.6	7.8	11.8





#29

Chloroform

Concen: 0.03 ppbv

RT: 5.74 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP77

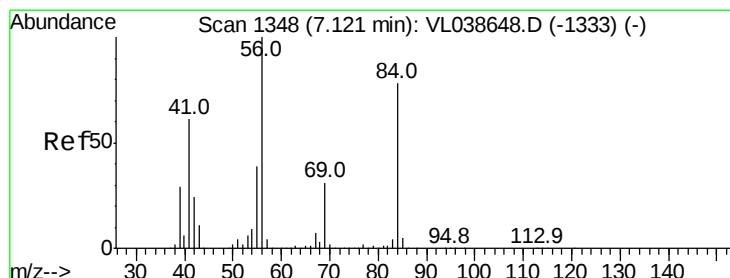
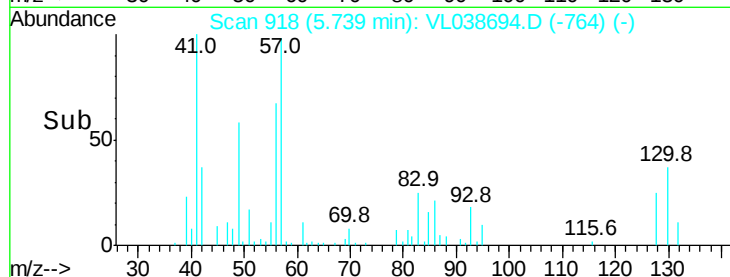
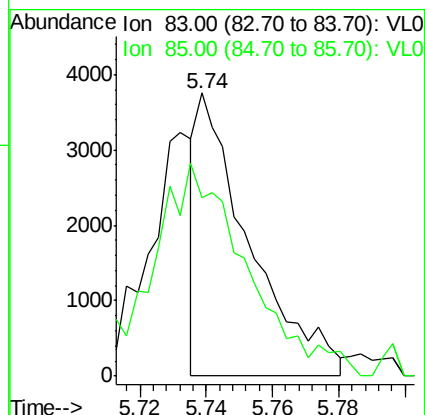
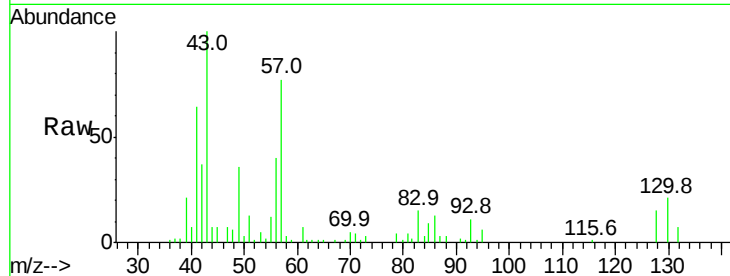
Acq: 22 Mar 2022 21:44

Tgt Ion: 83 Resp: 4090

Ion Ratio Lower Upper

83 100

85 58.0 51.7 77.5



#30

Cyclohexane

Concen: 17.46 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VL038694.D

Acq: 22 Mar 2022 21:44

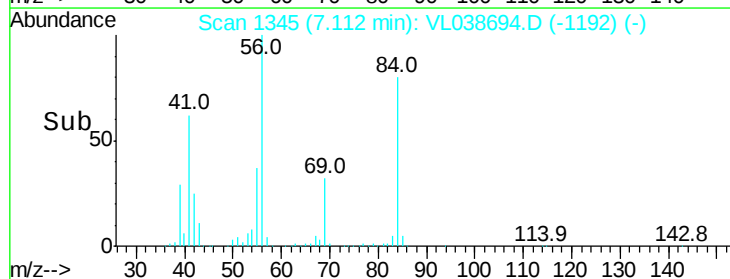
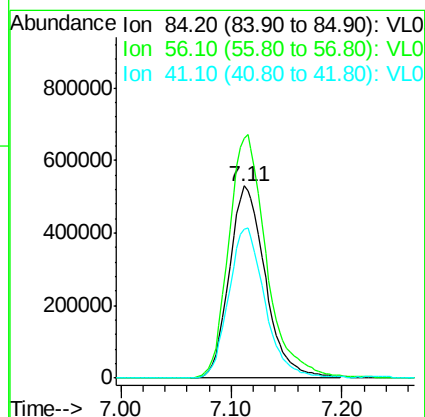
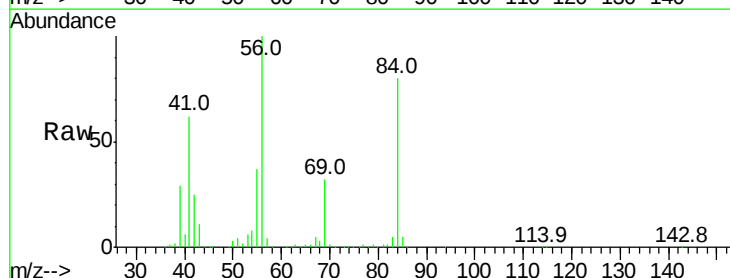
Tgt Ion: 84 Resp: 1203960

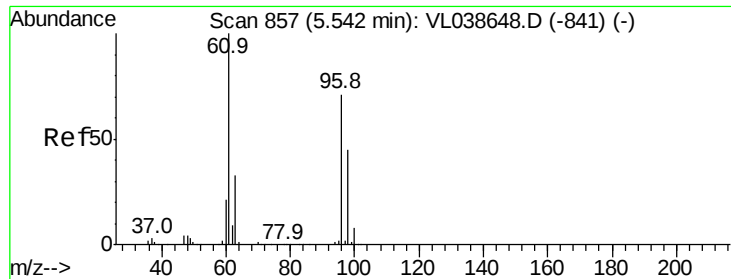
Ion Ratio Lower Upper

84 100

56 132.7 108.2 162.4

41 78.4 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 1.44 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP77

Acq: 22 Mar 2022 21:44

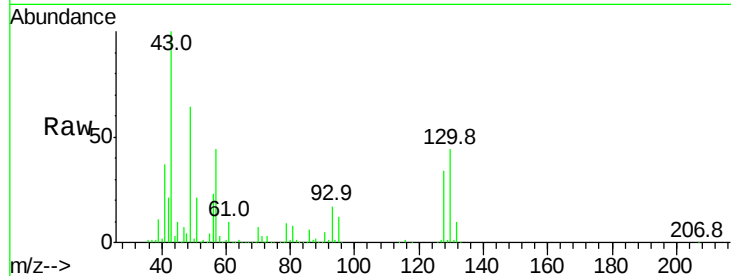
Tgt Ion: 61 Resp: 107665

Ion Ratio Lower Upper

61 100

96 2.0 56.6 84.8#

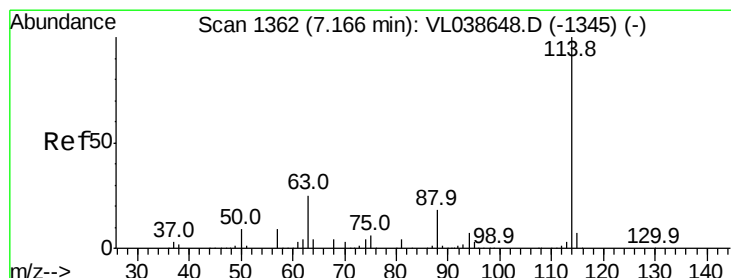
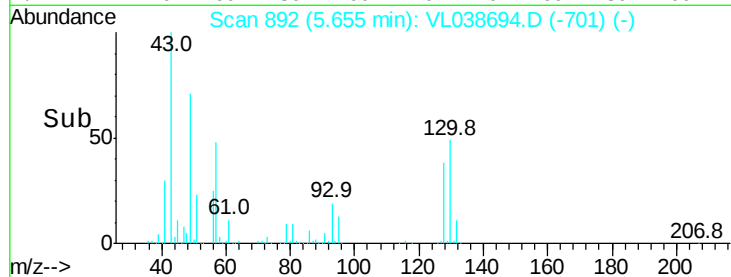
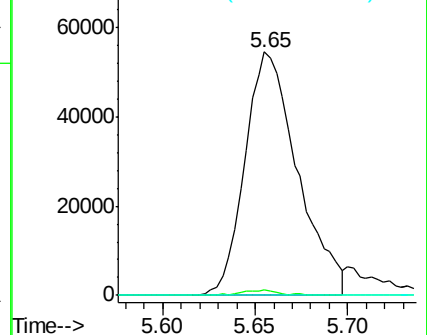
98 0.0 36.3 54.5#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VL038694.D

Acq: 22 Mar 2022 21:44

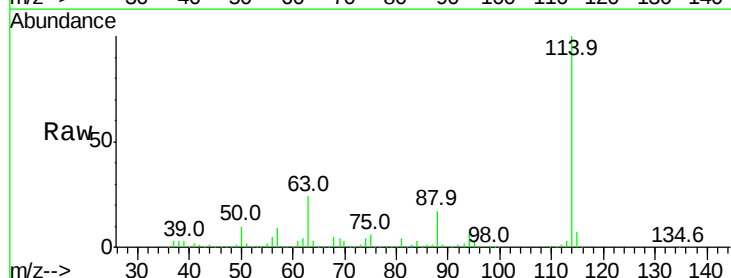
Tgt Ion: 114 Resp: 2221490

Ion Ratio Lower Upper

114 100

63 24.0 19.4 29.0

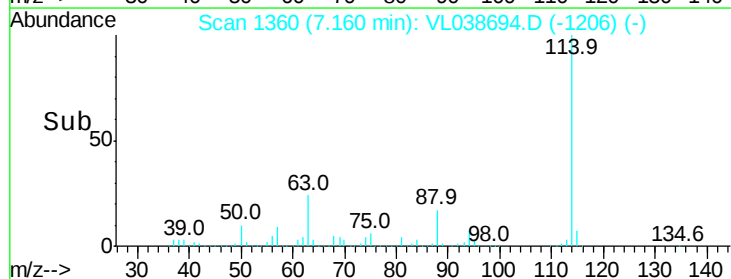
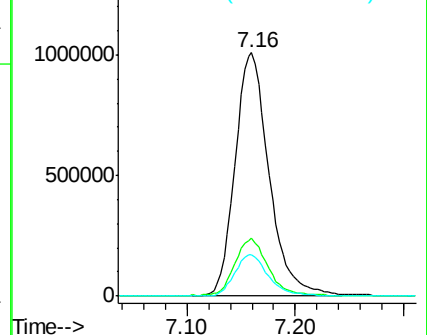
88 17.0 13.9 20.9

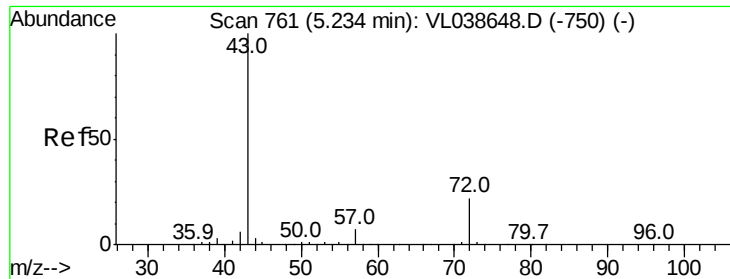


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 2.01 ppbv

RT: 5.23

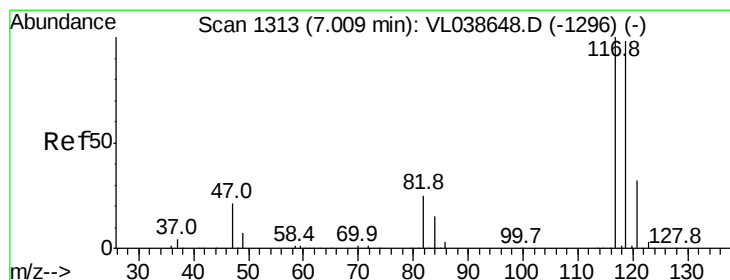
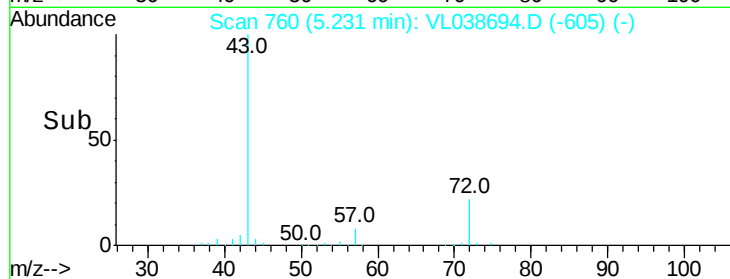
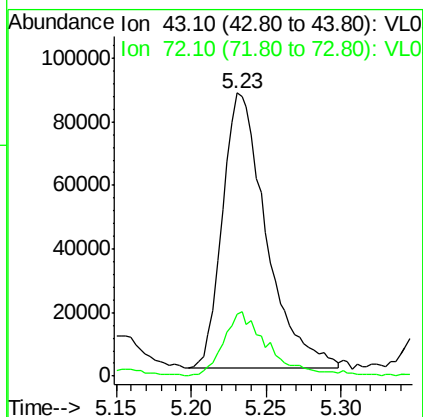
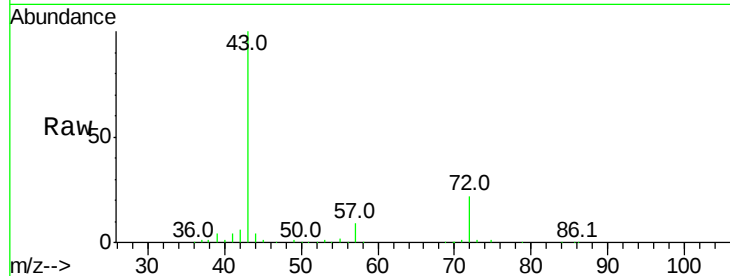
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Mar 2022 21:44

Tgt Ion: 43 Resp: 176462

Ion	Ratio	Lower	Upper
43	100		
72	24.7	17.8	26.8



#35

Carbon Tetrachloride

Concen: 0.04 ppbv

RT: 7.00 min Scan# 1310

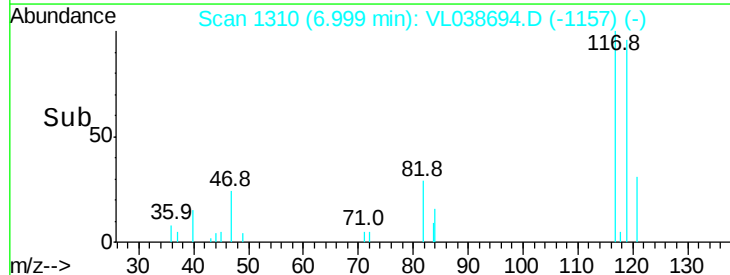
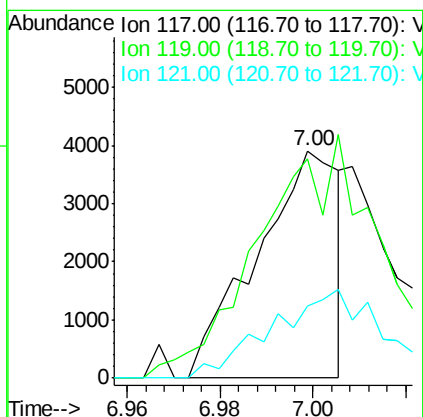
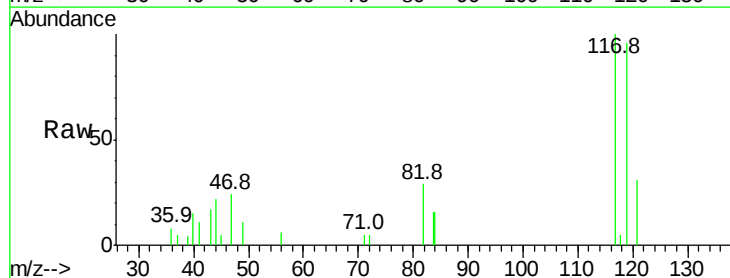
Delta R.T. -0.01 min

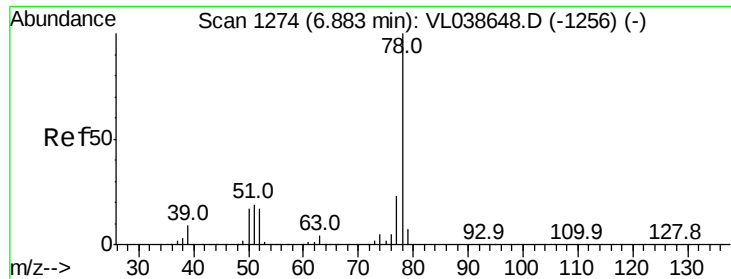
Lab File: VL038694.D

Acq: 22 Mar 2022 21:44

Tgt Ion: 117 Resp: 4792

Ion	Ratio	Lower	Upper
117	100		
119	85.1	78.1	117.1
121	31.4	25.8	38.6





#36

Benzene

Concen: 0.36 ppbv

RT: 6.87 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP77

Acq: 22 Mar 2022 21:44

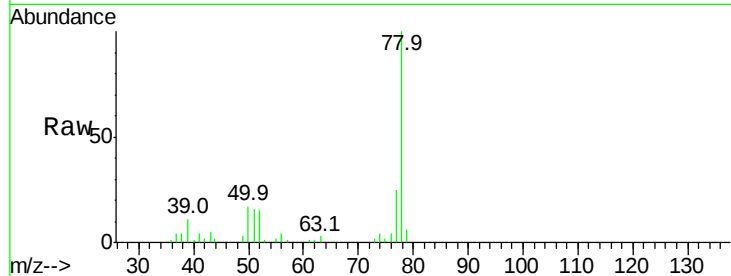
Tgt Ion: 78 Resp: 62114

Ion Ratio Lower Upper

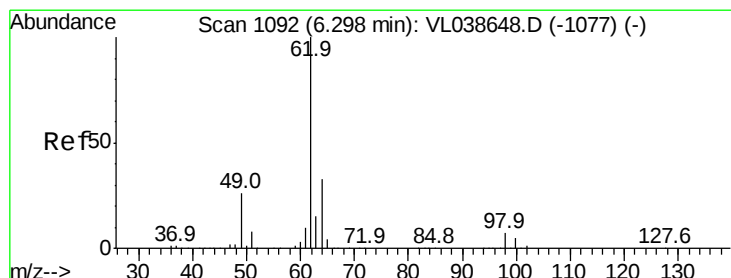
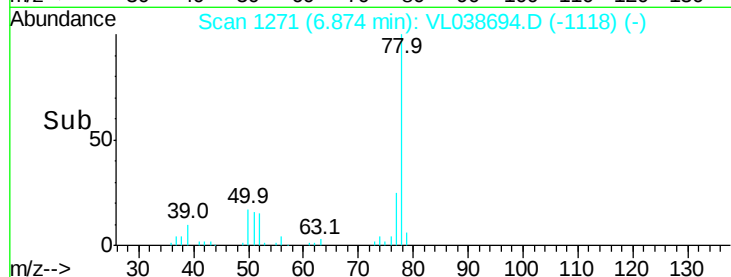
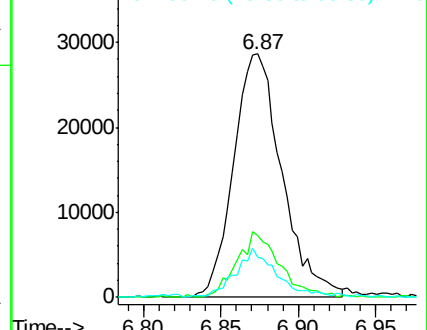
78 100

77 25.3 18.1 27.1

50 16.1 13.6 20.4



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



#37

1,2-Dichloroethane

Concen: 0.09 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VL038694.D

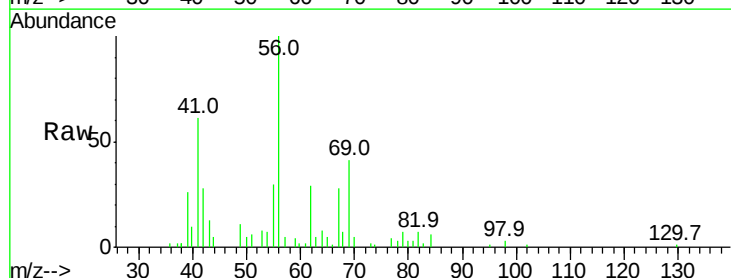
Acq: 22 Mar 2022 21:44

Tgt Ion: 62 Resp: 7833

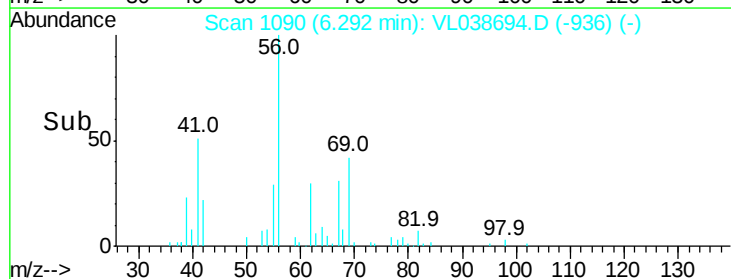
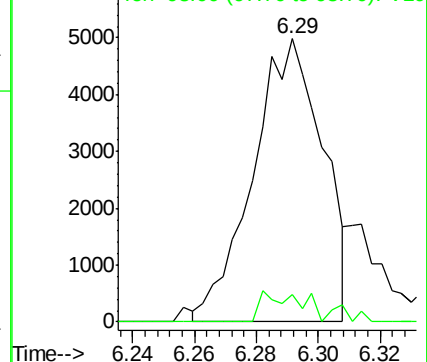
Ion Ratio Lower Upper

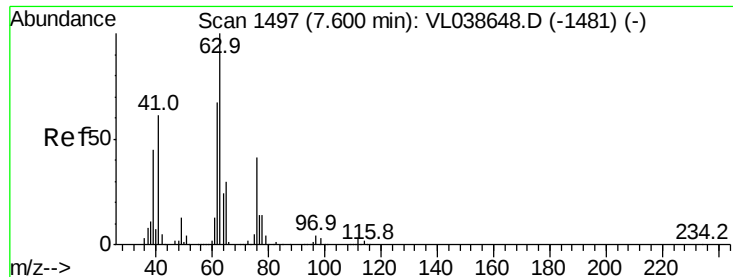
62 100

98 7.8 5.6 8.4



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





#39

1,2-Dichloropropane

Concen: 7.44 ppbv

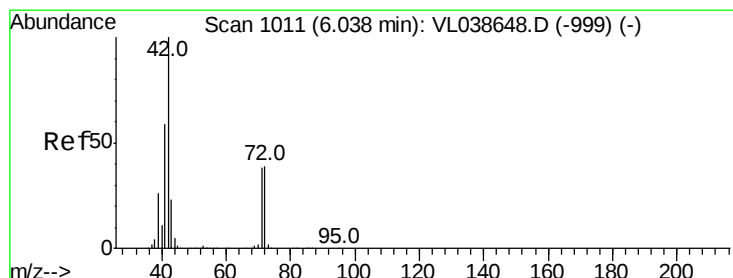
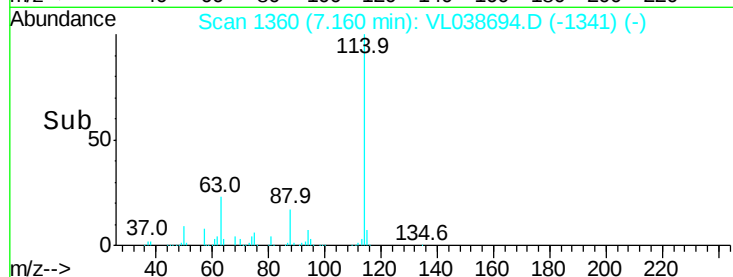
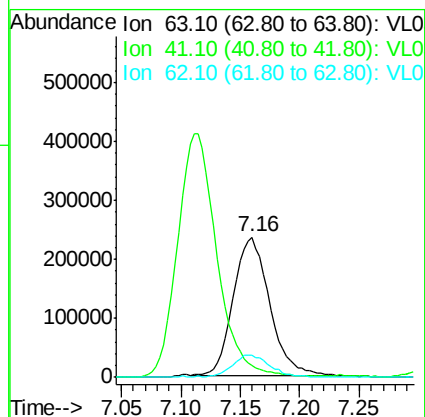
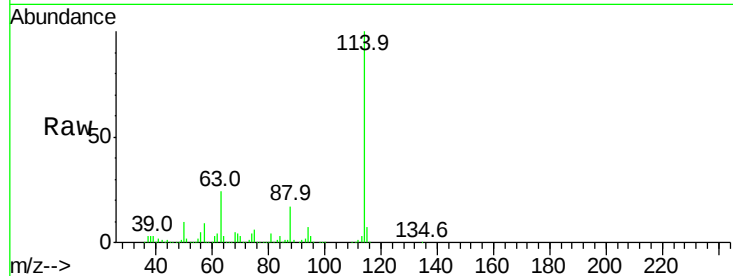
RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 21:44 COP77

Tgt Ion:	63	Resp:	498440
Ion Ratio	Lower	Upper	
63	100		
41	7.1	49.0	73.6#
62	16.2	53.9	80.9#



#41

Tetrahydrofuran

Concen: 0.19 ppbv

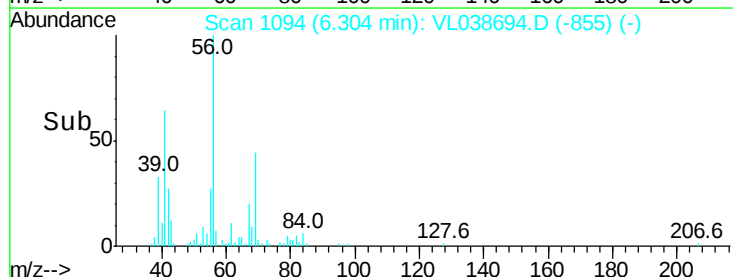
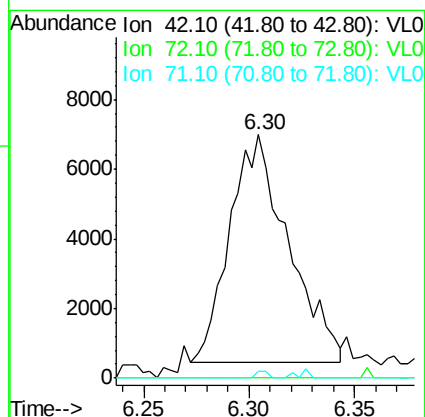
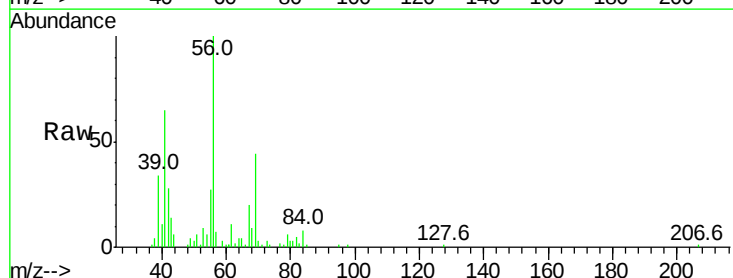
RT: 6.30 min Scan# 1094

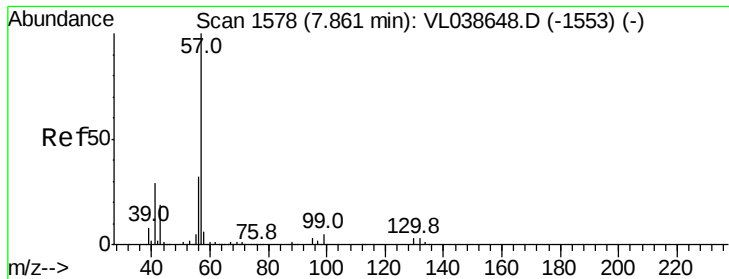
Delta R.T. 0.27 min

Lab File: VL038694.D

Acq: 22 Mar 2022 21:44

Tgt Ion:	42	Resp:	12551
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.5	48.7#
71	0.0	31.4	47.2#





#44

2,2,4-Trimethylpentane

Concen: 0.20 ppbv

RT: 7.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 21:44 C0P77

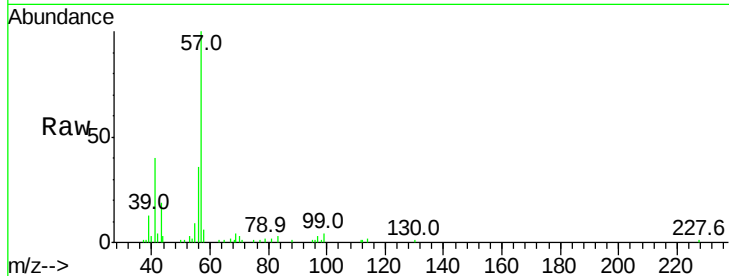
Tgt Ion: 57 Resp: 56820

Ion Ratio Lower Upper

57 100

41 48.5 23.0 34.4#

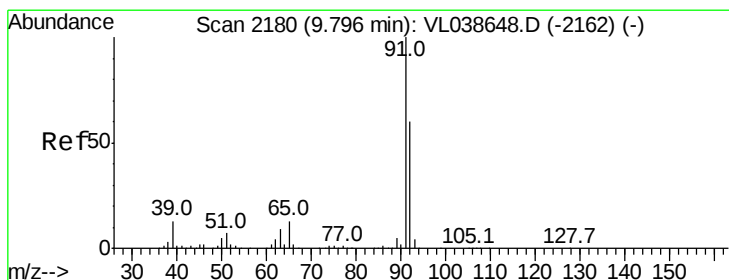
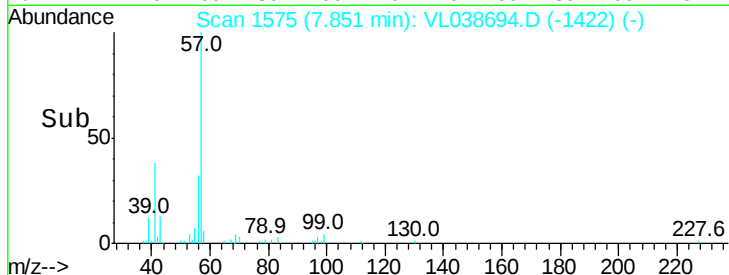
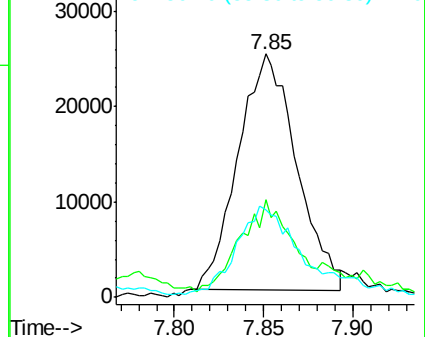
56 46.4 25.3 37.9#



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



#53

Toluene

Concen: 108.77 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.01 min

Lab File: VL038694.D

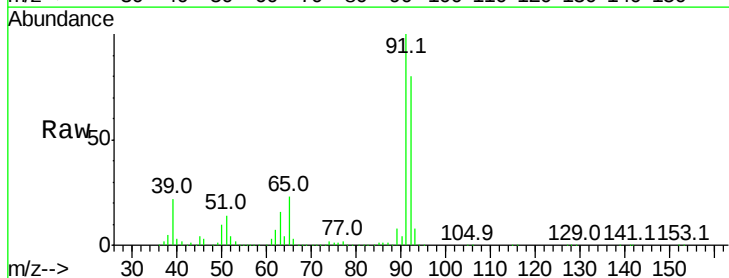
Acq: 22 Mar 2022 21:44

Tgt Ion: 91 Resp: 20038673

Ion Ratio Lower Upper

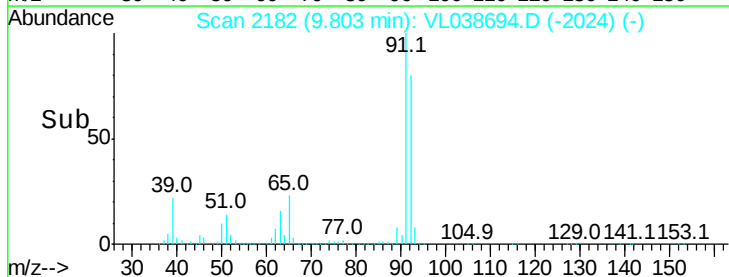
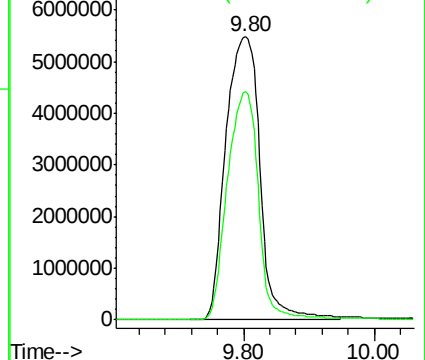
91 100

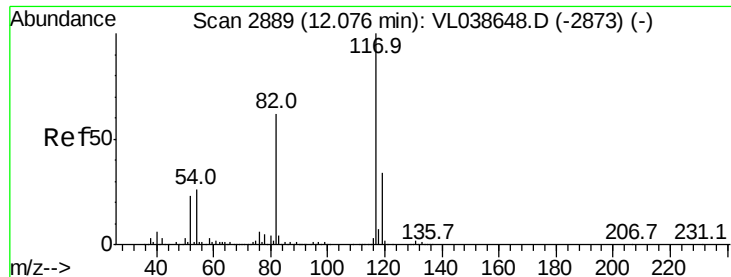
92 74.1 48.7 73.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

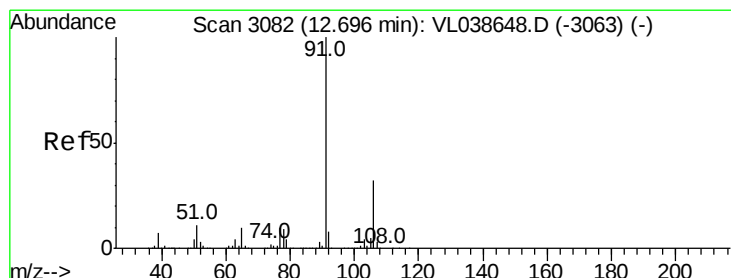
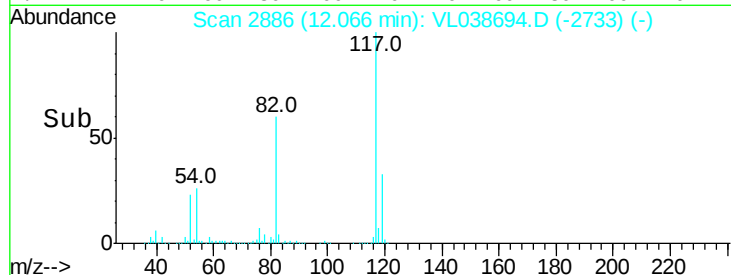
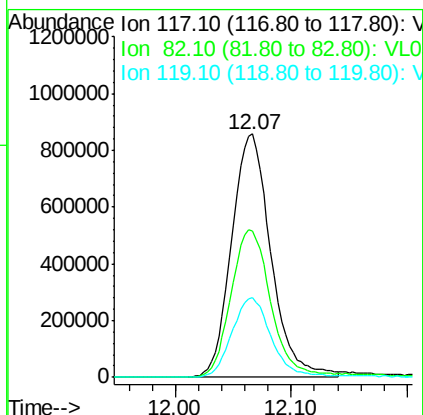
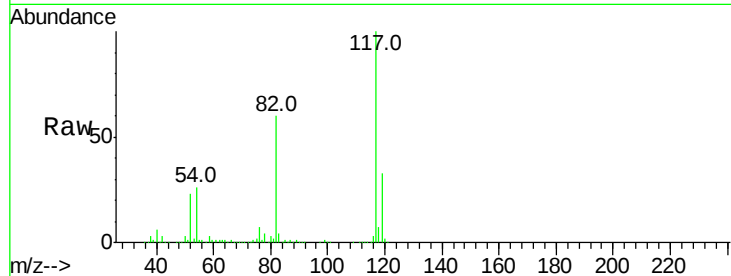
Ion 92.10 (91.80 to 92.80): VL0





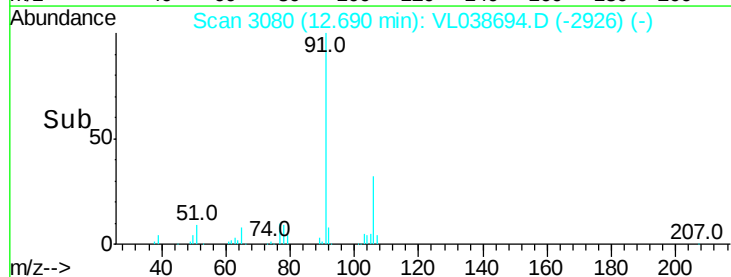
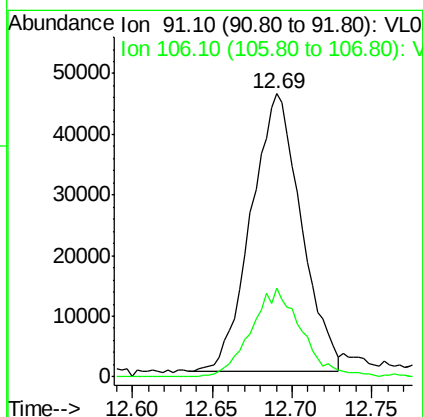
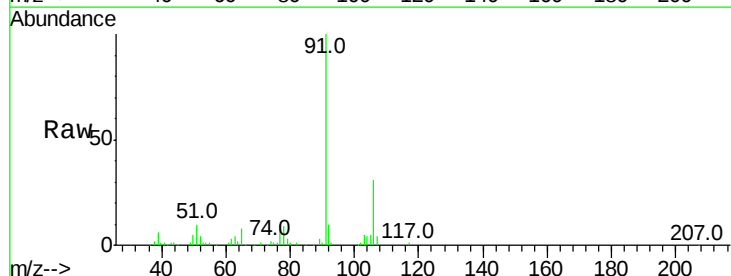
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 C0P77
 Acq: 22 Mar 2022 21:44

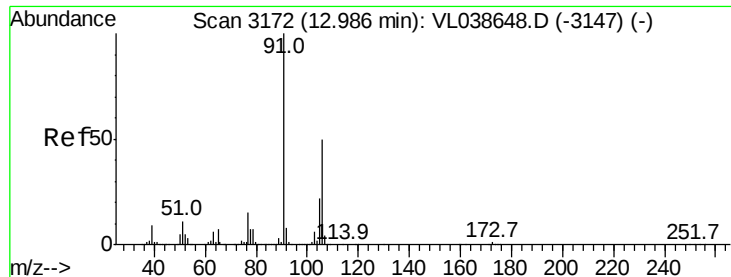
Tgt Ion: 117 Resp: 2020720
 Ion Ratio Lower Upper
 117 100
 82 63.7 51.6 77.4
 119 33.8 26.9 40.3



#58
 Ethyl Benzene
 Concen: 0.42 ppbv
 RT: 12.69 min Scan# 3080
 Delta R.T.: -0.01 min
 Lab File: VL038694.D
 Acq: 22 Mar 2022 21:44

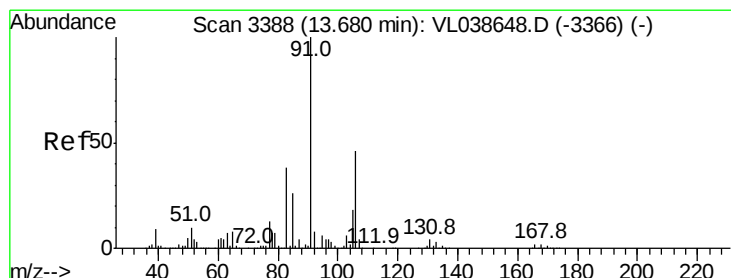
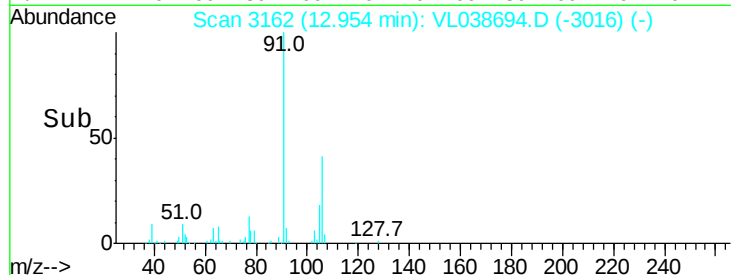
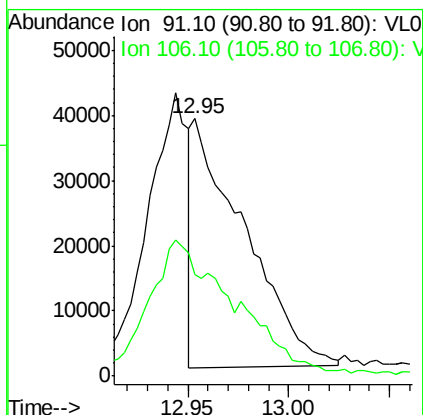
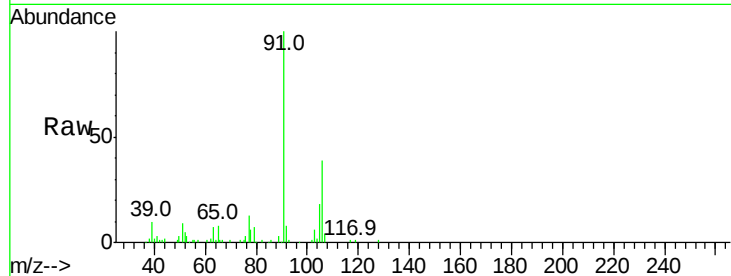
Tgt Ion: 91 Resp: 98553
 Ion Ratio Lower Upper
 91 100
 106 32.1 25.4 38.0





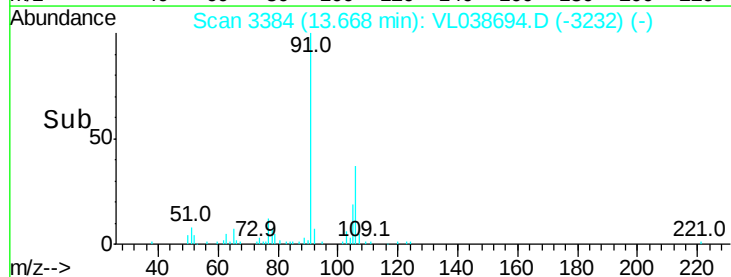
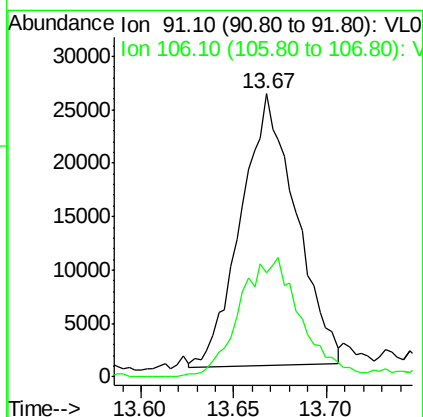
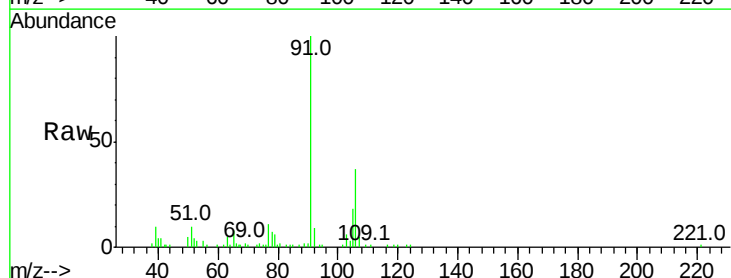
#59
m/p-Xylene
Concen: 0.33 ppbv
RT: 12.95
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 21:44

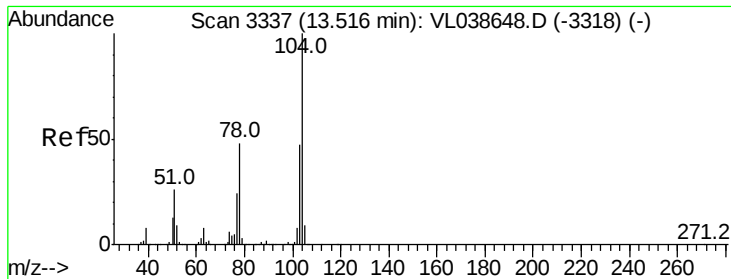
Tgt Ion: 91 Resp: 67700
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#



#60
o-Xylene
Concen: 0.27 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL038694.D
Acq: 22 Mar 2022 21:44

Tgt Ion: 91 Resp: 52625
Ion Ratio Lower Upper
91 100
106 49.6 23.5 70.5





#61

Styrene

Concen: 0.16 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Mar 2022 21:44

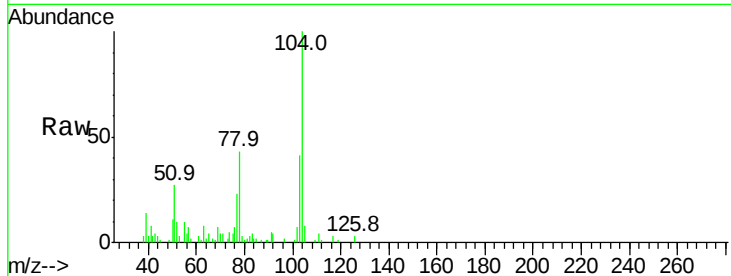
Tgt Ion:104 Resp: 16786

Ion Ratio Lower Upper

104 100

78 103.3 39.0 58.4#

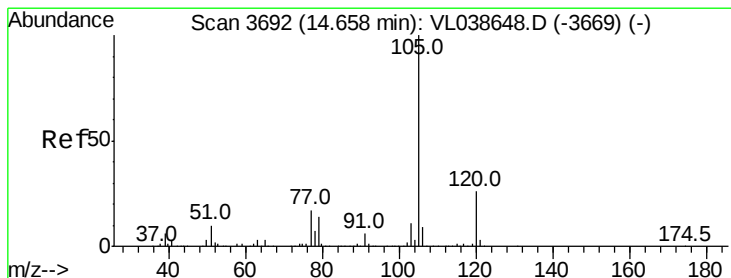
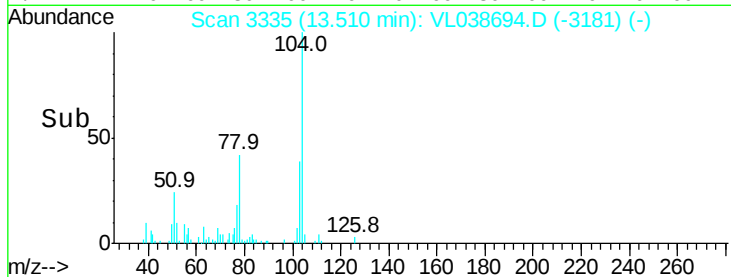
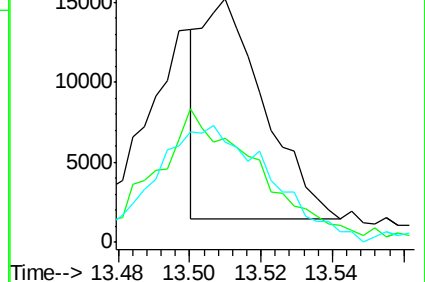
103 103.3 37.8 56.8#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.08 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.01 min

Lab File: VL038694.D

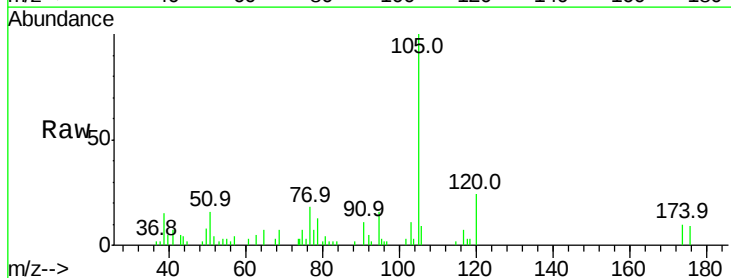
Acq: 22 Mar 2022 21:44

Tgt Ion:105 Resp: 22726

Ion Ratio Lower Upper

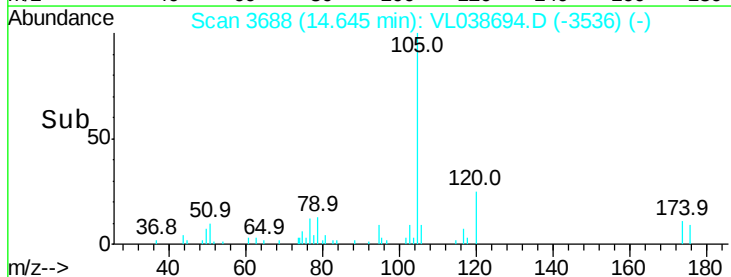
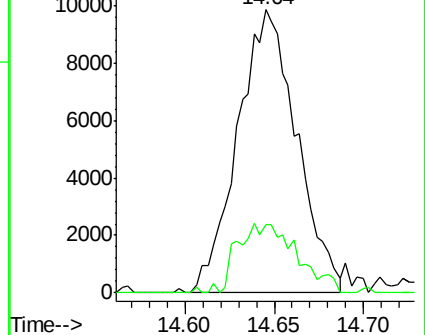
105 100

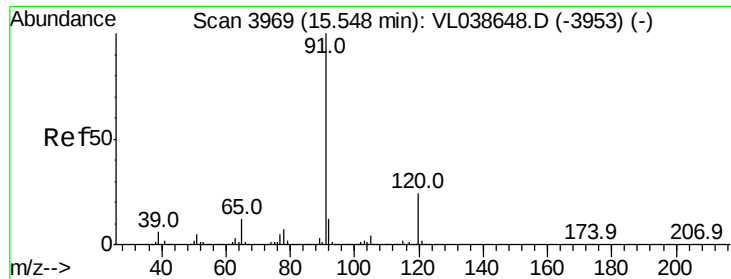
120 24.7 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.03 ppbv

RT: 15.74

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

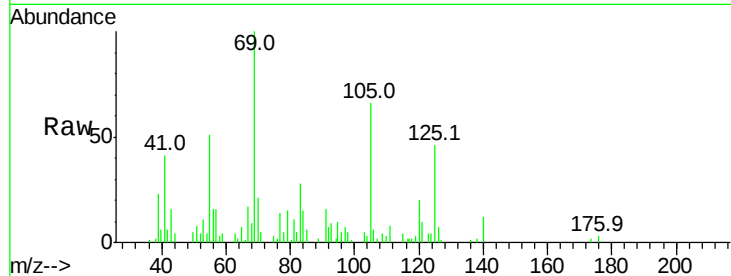
Acq: 22 Mar 2022 21:44

Tgt Ion: 120 Resp: 2308

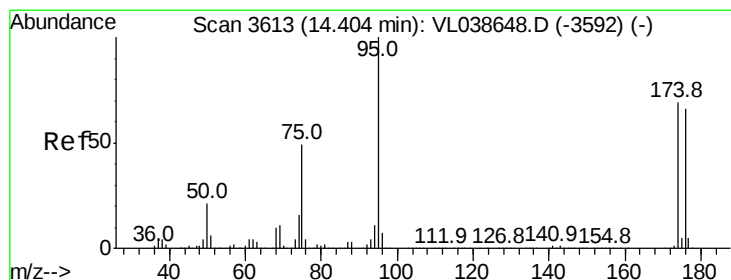
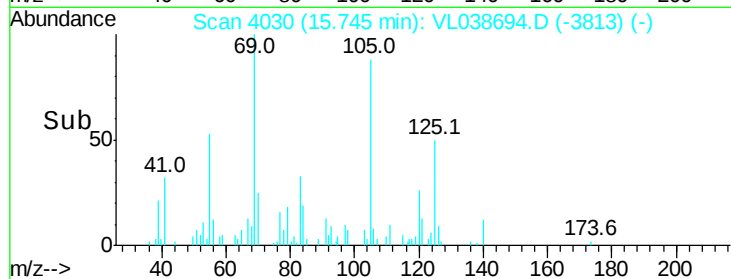
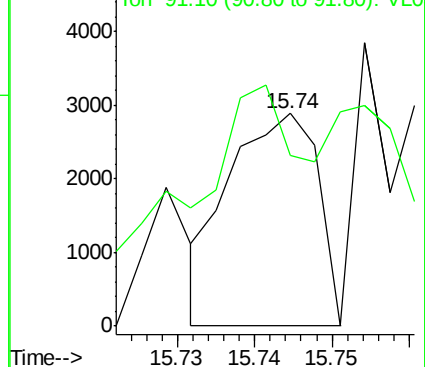
Ion Ratio Lower Upper

120 100

91 370.3 368.0 552.0



Abundance Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.95 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.01 min

Lab File: VL038694.D

Acq: 22 Mar 2022 21:44

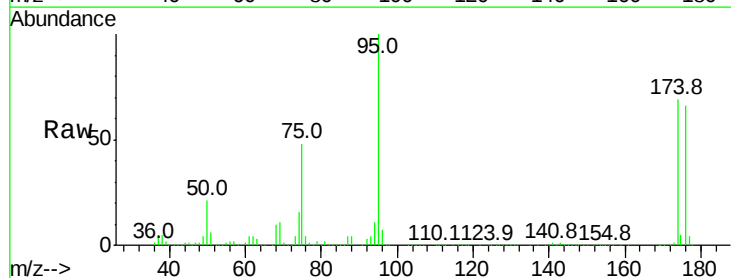
Tgt Ion: 95 Resp: 1541668

Ion Ratio Lower Upper

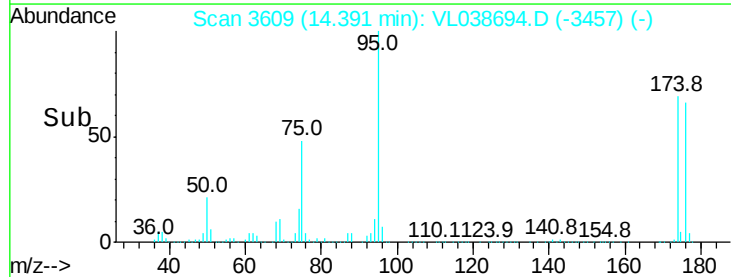
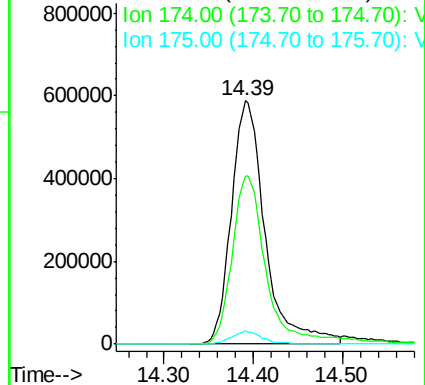
95 100

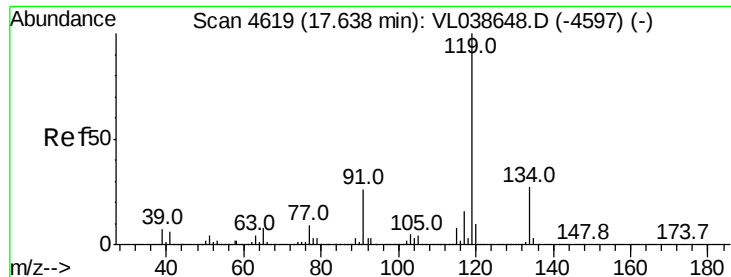
174 71.4 56.1 84.1

175 5.1 4.2 6.2



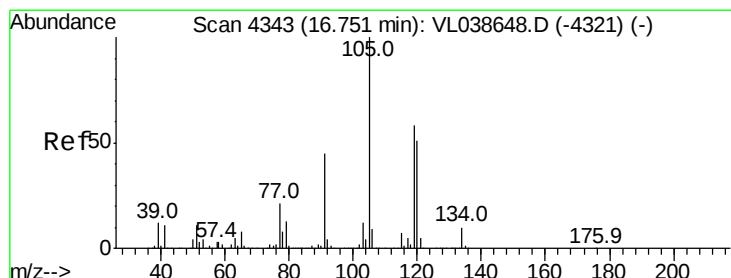
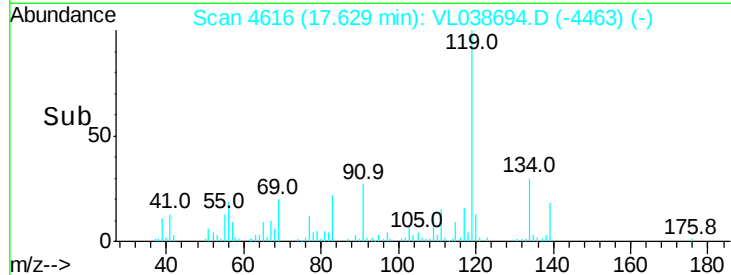
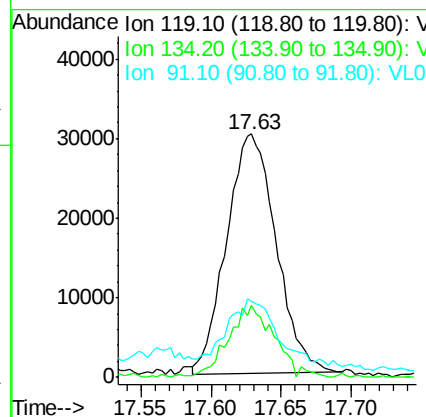
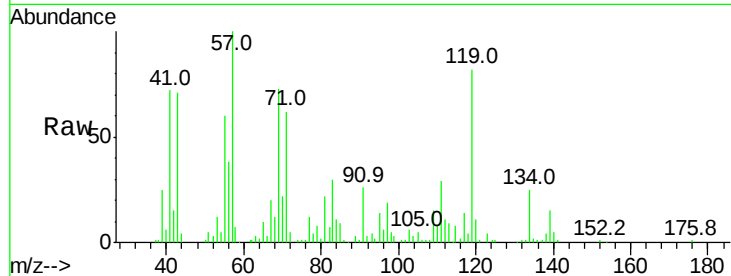
Abundance Ion 95.10 (94.80 to 95.80): VL0





#69
 p-Isopropyltoluene
 Concen: 0.24 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Mar 2022 21:44

Tgt Ion: 119 Resp: 73655
 Ion Ratio Lower Upper
 119 100
 134 28.3 21.2 31.8
 91 32.5 21.4 32.2#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.09 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.01 min
 Lab File: VL038694.D
 Acq: 22 Mar 2022 21:44

Tgt Ion: 105 Resp: 19624
 Ion Ratio Lower Upper
 105 100
 120 44.9 40.5 60.7
 91 9.3 35.9 53.9#
 77 29.8 16.6 25.0#

