

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
 Data File : VL038686.D
 Acq On : 22 Mar 2022 16:14
 Operator : SY/AP
 Sample : N1961-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P72

Quant Time: Mar 23 04:13:12 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	5.66	49	808255	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2136235	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2100397	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1596905	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	13621	0.13	ppbv	91
3) Chlorodifluoromethane	2.96	51	142895	1.67	ppbv #	71
4) Chloromethane	3.14	50	73876	1.58	ppbv	97
6) Bromomethane	3.47	94	8143	0.32	ppbv	86
7) Chloroethane	3.56	64	13698	0.87	ppbv	100
9) Propene	3.20	41	511619	12.41	ppbv	87
10) Heptane	8.11	43	24299	0.25	ppbv #	26
11) Trichlorofluoromethane	3.94	101	25528	0.27	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2085	0.03	ppbv #	1
13) Ethanol	3.60	45	1031096	226.80	ppbv	100
15) Acetone	3.84	43	2084262	29.89	ppbv #	79
16) 1,3-Butadiene	3.30	39	49744	1.26	ppbv #	6
17) tert-Butyl alcohol	4.29	59	310811	5.10	ppbv #	1
19) Isopropyl Alcohol	3.96	45	1712326	44.28	ppbv #	97
20) Methylene Chloride	4.34	84	164505	5.60	ppbv	97
21) Allyl Chloride	4.59	41	247446	4.93	ppbv #	67
23) Vinyl Acetate	5.05	43	1348694	19.97	ppbv #	1
25) Ethyl Acetate	5.66	43	1957697	11.15	ppbv #	93
26) Hexane	5.68	57	429537	5.46	ppbv #	10
27) Carbon Disulfide	4.55	76	105502	1.37	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	2169	0.04	ppbv #	51
29) Chloroform	5.74	83	20320	0.16	ppbv	91
30) Cyclohexane	7.12	84	200870	2.94	ppbv	93
31) cis-1,2-Dichloroethene	5.66	61	233283	3.16	ppbv #	22
34) 2-Butanone	5.23	43	831953	9.84	ppbv	99
35) Carbon Tetrachloride	7.01	117	3371	0.03	ppbv	96
36) Benzene	6.88	78	35232	0.21	ppbv	97
37) 1,2-Dichloroethane	6.29	62	16929	0.20	ppbv	99
38) Trichloroethene	7.82	130	3429	0.05	ppbv #	84
39) 1,2-Dichloropropane	7.16	63	495362	7.69	ppbv #	28
41) Tetrahydrofuran	6.00	42	9169	0.15	ppbv #	60
43) Methyl Methacrylate	8.01	69	10517	0.17	ppbv #	5
44) 2,2,4-Trimethylpentane	7.86	57	447975	1.62	ppbv #	86
50) 4-Methyl-2-Pentanone	8.73	43	168687	1.07	ppbv	99
51) 2-Hexanone	10.12	43	3353	0.03	ppbv #	1
52) Tetrachloroethene	11.21	164	3078	0.05	ppbv #	77
53) Toluene	9.80	91	10669848	60.23	ppbv	92
58) Ethyl Benzene	12.69	91	260026	1.06	ppbv	99
59) m/p-Xylene	12.95	91	602216	2.80	ppbv	96
60) o-Xylene	13.67	91	228568	1.12	ppbv	98
61) Styrene	13.51	104	152392	1.38	ppbv	98

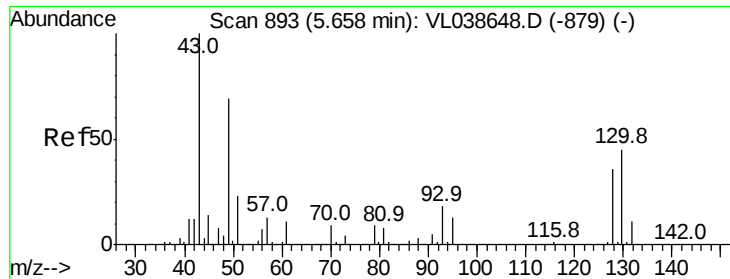
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
Data File : VL038686.D
Acq On : 22 Mar 2022 16:14
Operator : SY/AP
Sample : N1961-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P72

Quant Time: Mar 23 04:13:12 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)
62) Isopropylbenzene	14.65	105	22137	0.07	ppbv	92
64) n-propylbenzene	15.54	120	1698	0.02	ppbv #	1
69) p-Isopropyltoluene	17.64	119	152843	0.48	ppbv	93
72) 4-Ethyltoluene	15.82	105	9679	0.04	ppbv #	54
73) 1,3,5-Trimethylbenzene	15.98	105	19491	0.09	ppbv #	79
74) 1,2,4-Trimethylbenzene	16.74	105	30139	0.13	ppbv #	72
79) Naphthalene	22.17	128	6589	0.04	ppbv #	81
80) Naphthalene,2-methyl-	24.96	142	2845	0.06	ppbv #	88

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 16:14 COP72

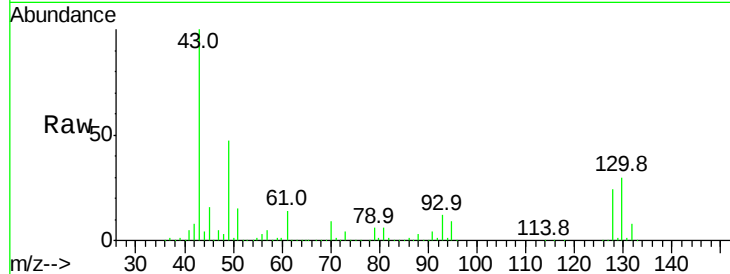
Tgt Ion: 49 Resp: 808255

Ion Ratio Lower Upper

49 100

128 53.2 26.2 78.6

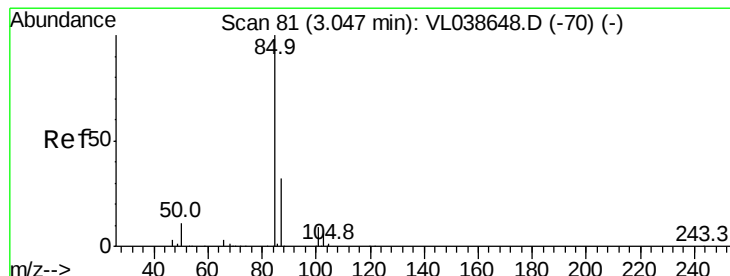
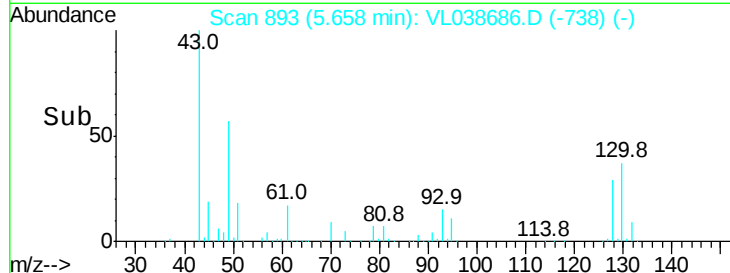
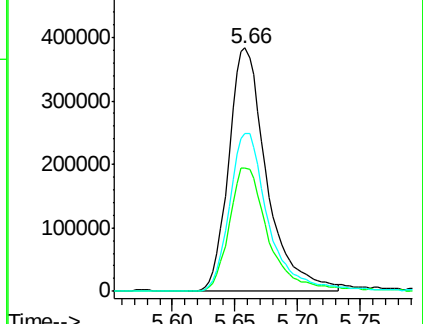
130 67.1 33.7 101.1



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: 0.13 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038686.D

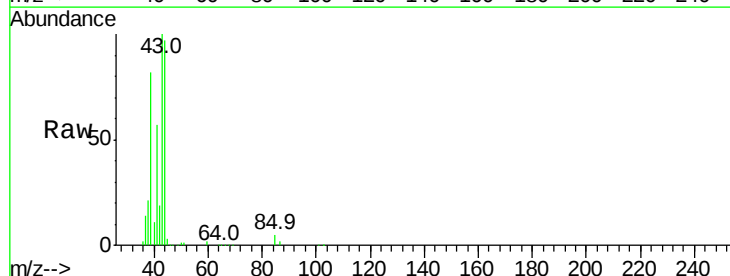
Acq: 22 Mar 2022 16:14

Tgt Ion: 85 Resp: 13621

Ion Ratio Lower Upper

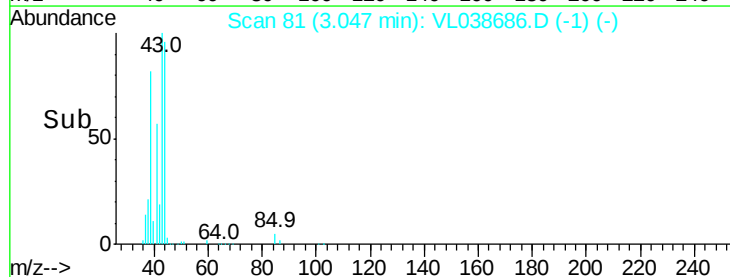
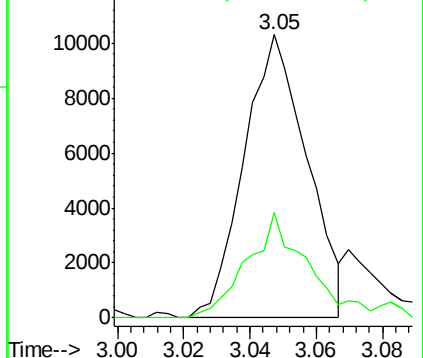
85 100

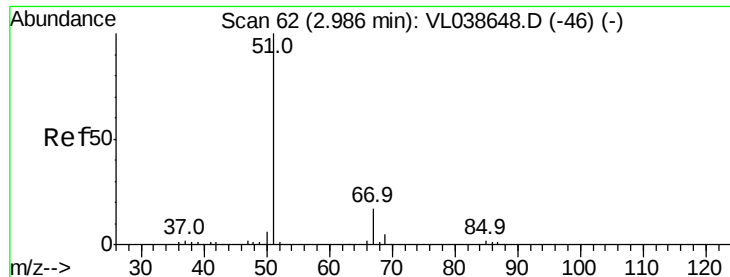
87 37.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.67 ppbv

RT: 2.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

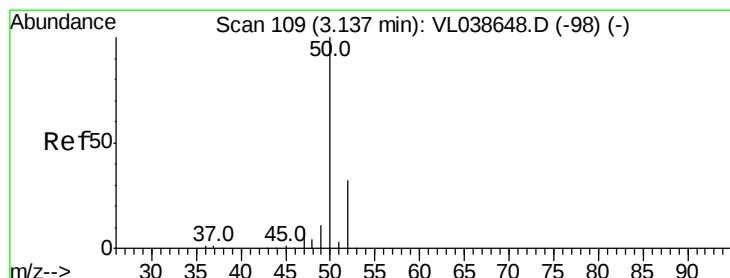
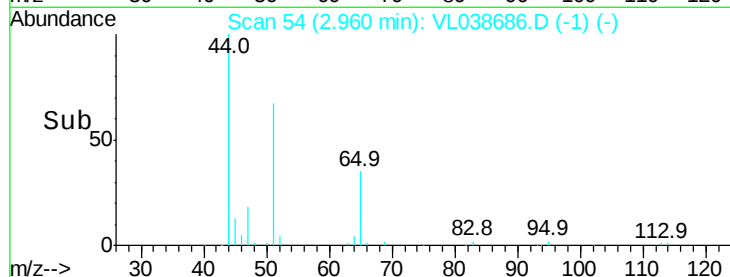
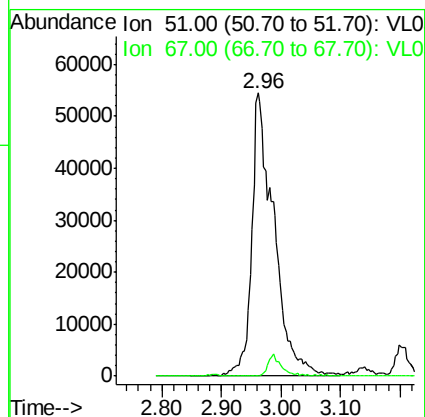
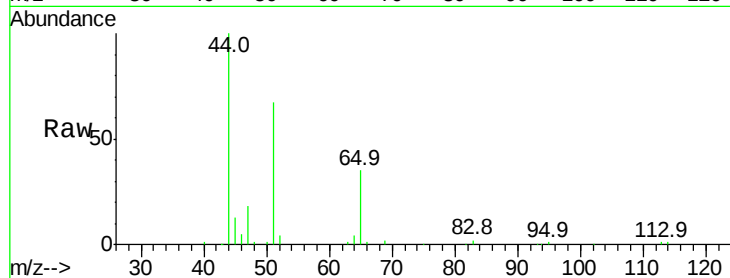
Acq: 22 Mar 2022 16:14

Tgt Ion: 51 Resp: 142895

Ion Ratio Lower Upper

51 100

67 4.7 14.1 21.1#



#4

Chloromethane

Concen: 1.58 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL038686.D

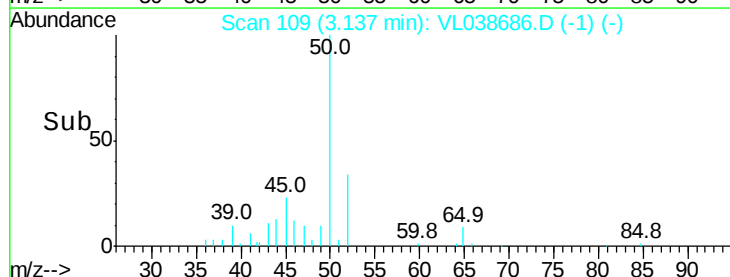
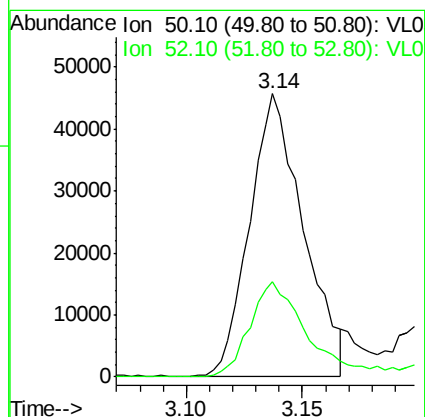
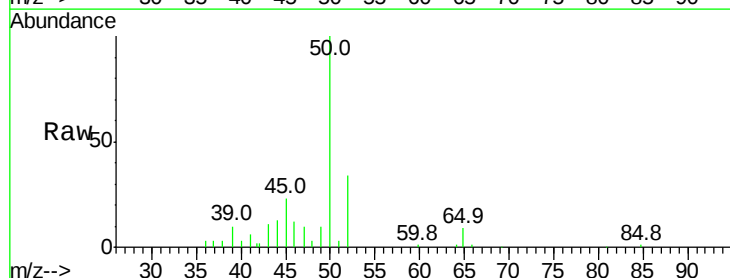
Acq: 22 Mar 2022 16:14

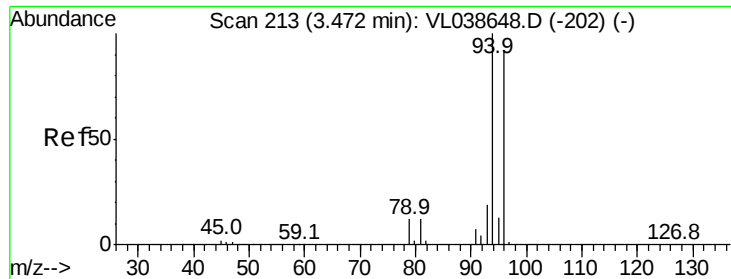
Tgt Ion: 50 Resp: 73876

Ion Ratio Lower Upper

50 100

52 33.5 25.5 38.3





#6

Bromomethane

Concen: 0.32 ppbv

RT: 3.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

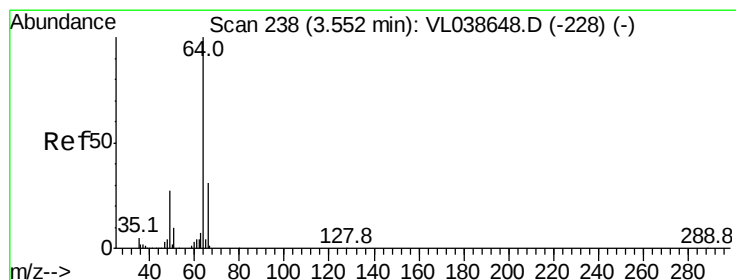
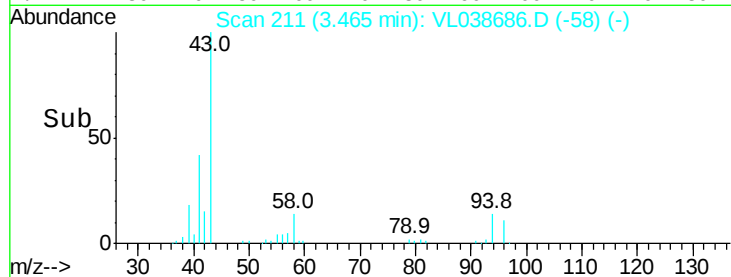
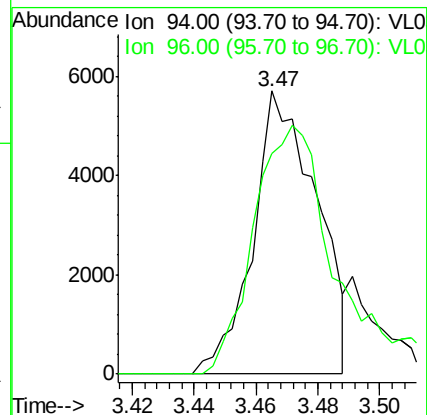
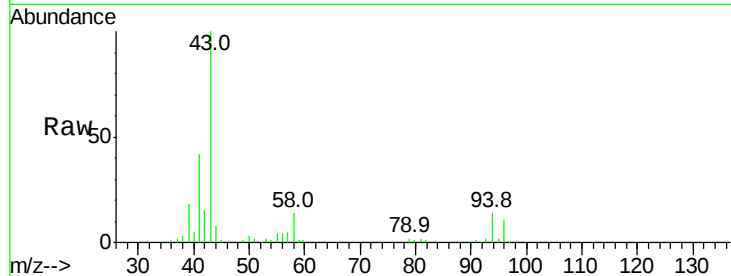
Acq: 22 Mar 2022 16:14

Tgt Ion: 94 Resp: 8143

Ion Ratio Lower Upper

94 100

96 78.2 73.3 109.9



#7

Chloroethane

Concen: 0.87 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL038686.D

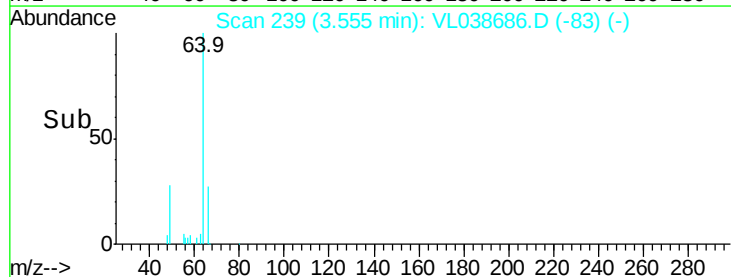
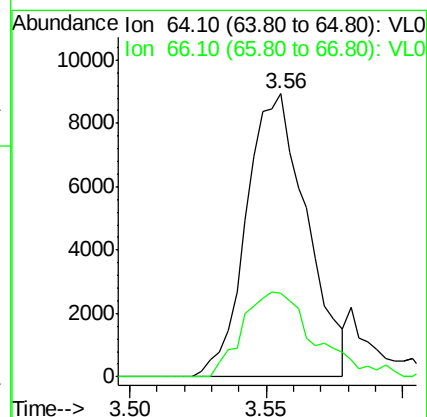
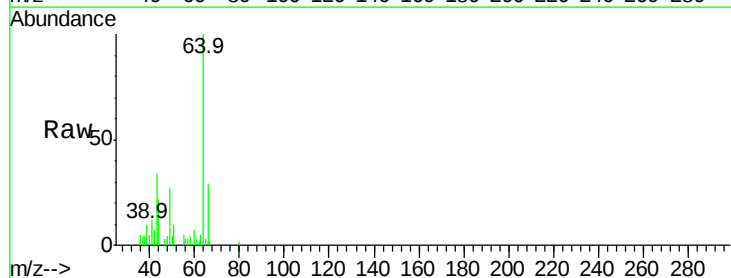
Acq: 22 Mar 2022 16:14

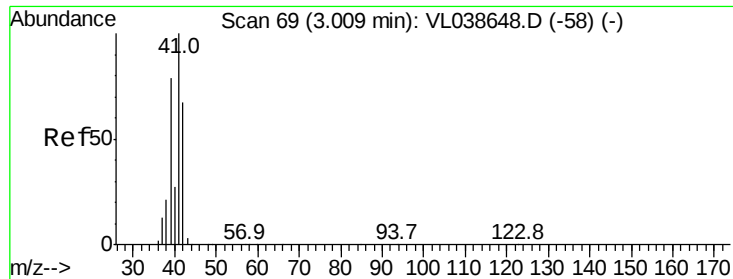
Tgt Ion: 64 Resp: 13698

Ion Ratio Lower Upper

64 100

66 31.4 25.0 37.6





#9

Propene

Concen: 12.41 ppbv

RT: 3.20 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP72

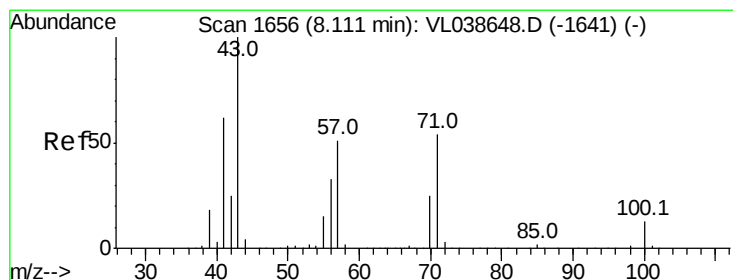
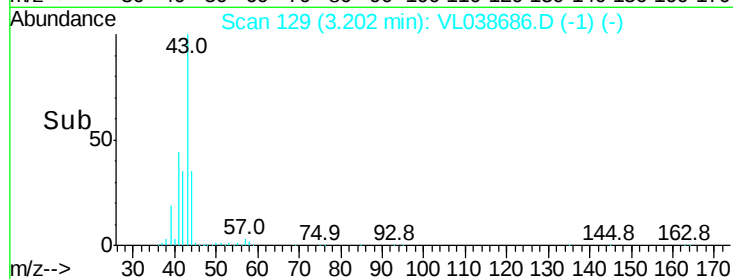
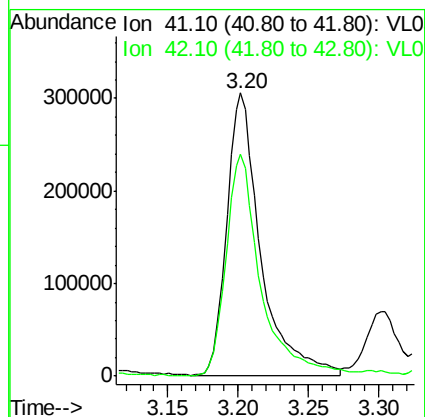
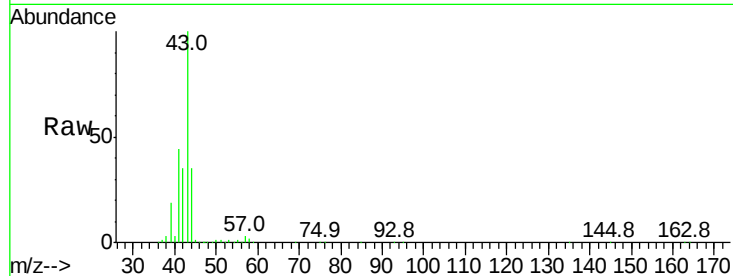
Acq: 22 Mar 2022 16:14

Tgt Ion: 41 Resp: 511619

Ion Ratio Lower Upper

41 100

42 80.8 56.2 84.4



#10

Heptane

Concen: 0.25 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VL038686.D

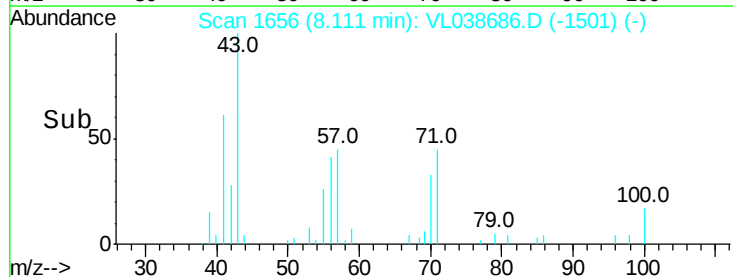
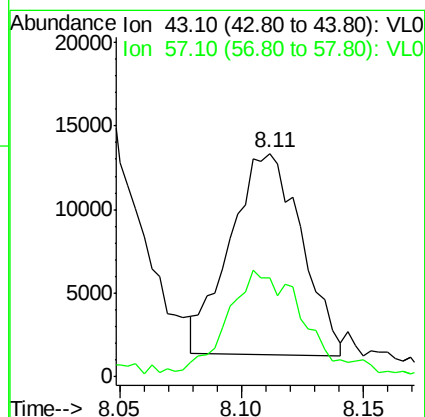
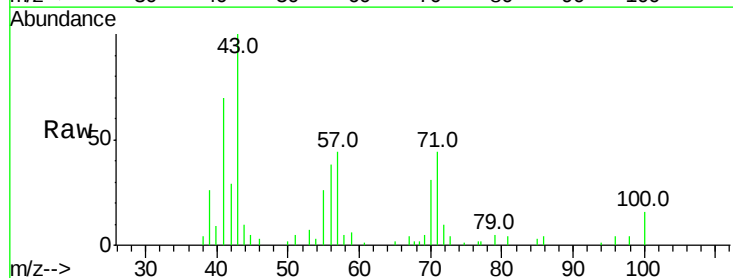
Acq: 22 Mar 2022 16:14

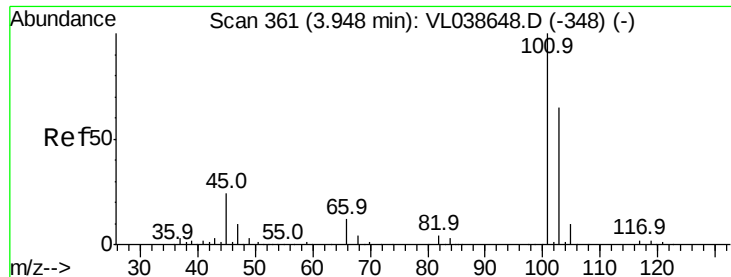
Tgt Ion: 43 Resp: 24299

Ion Ratio Lower Upper

43 100

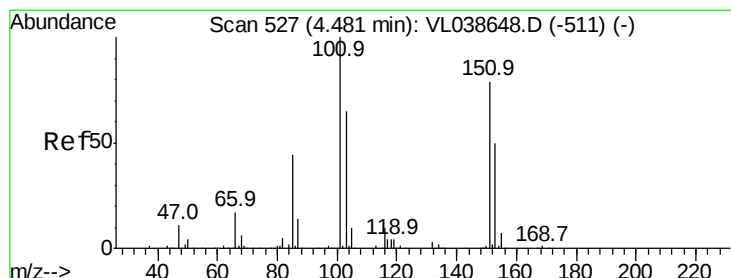
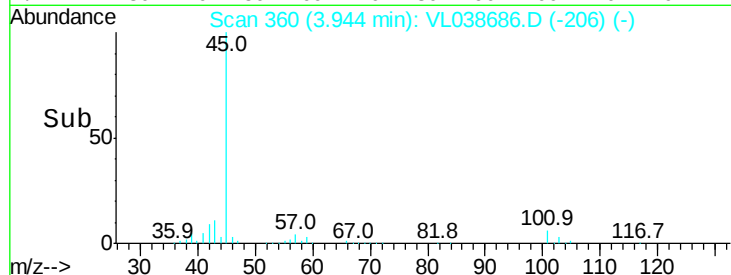
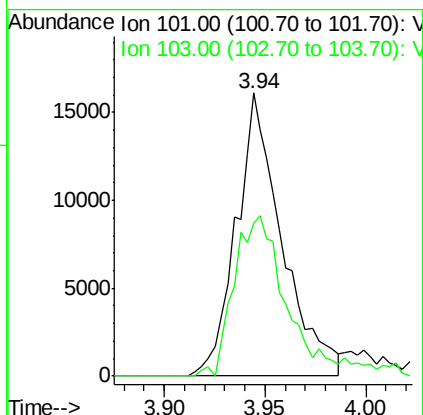
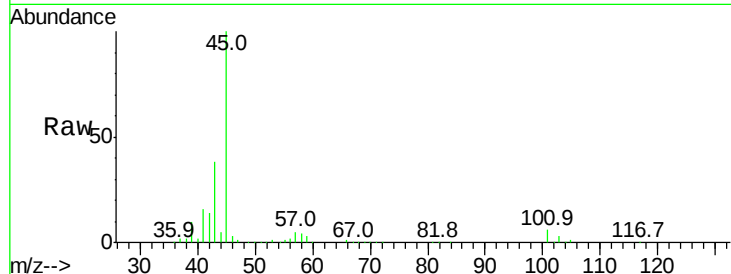
57 0.0 41.4 62.2#





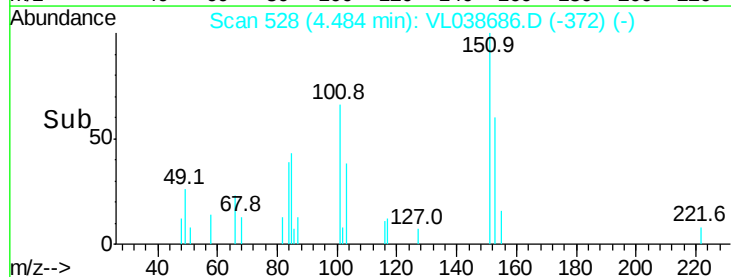
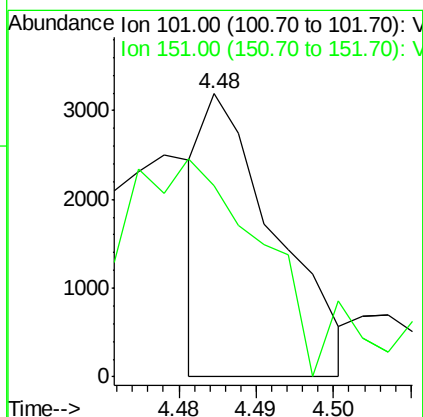
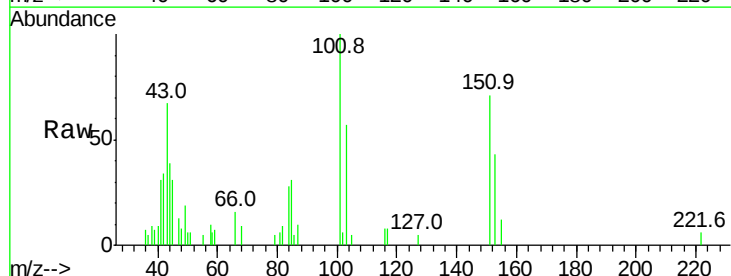
#11
 Trichlorofluoromethane
 Concen: 0.27 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 COP72
 Acq: 22 Mar 2022 16:14

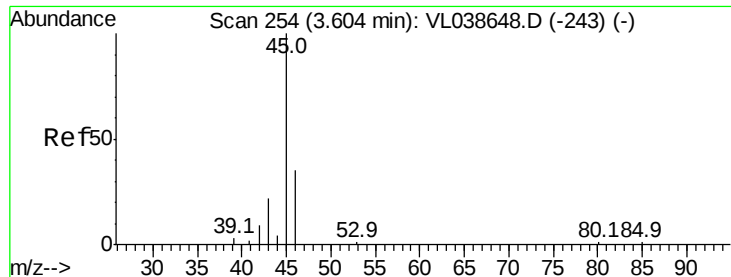
Tgt Ion:101 Resp: 25528
 Ion Ratio Lower Upper
 101 100
 103 54.0 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.03 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL038686.D
 Acq: 22 Mar 2022 16:14

Tgt Ion:101 Resp: 2085
 Ion Ratio Lower Upper
 101 100
 151 205.9 62.9 94.3#





#13

Ethanol

Concen: 226.80 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

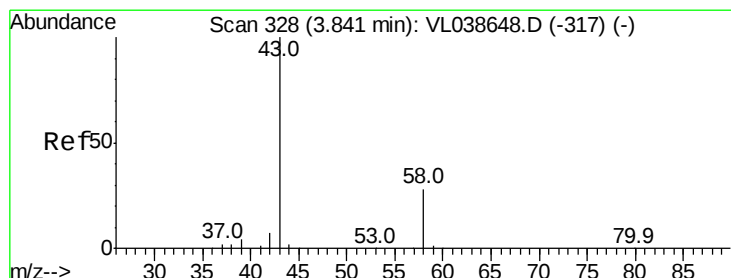
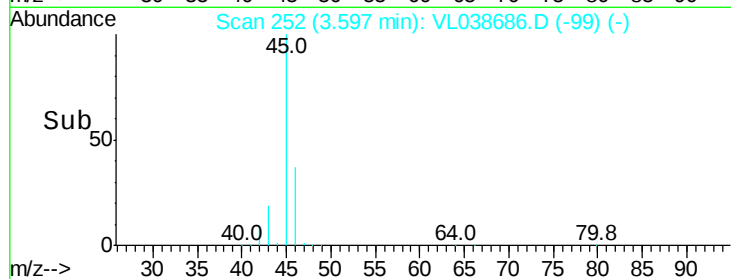
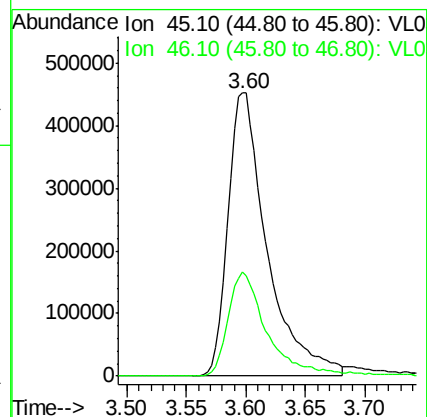
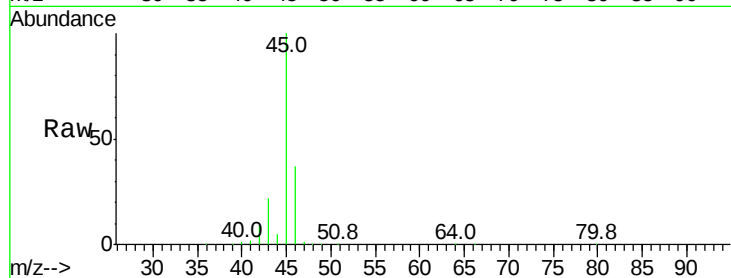
Acq: 22 Mar 2022 16:14

Tgt Ion: 45 Resp: 1031096

Ion Ratio Lower Upper

45 100

46 37.6 15.1 60.5



#15

Acetone

Concen: 29.89 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.00 min

Lab File: VL038686.D

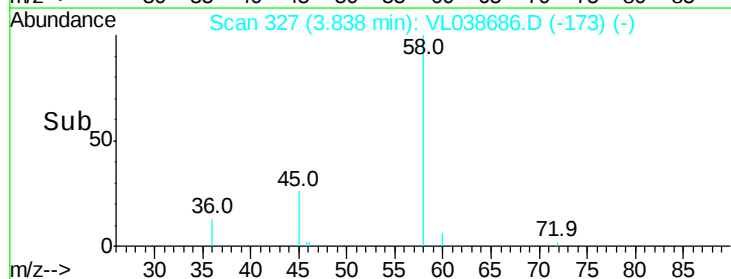
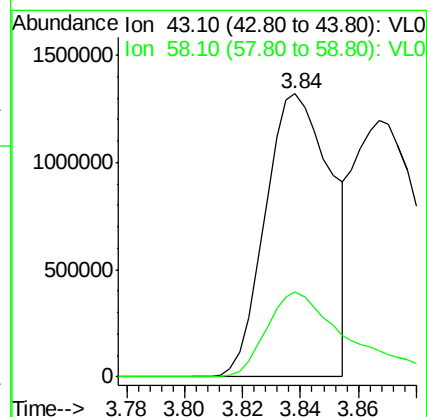
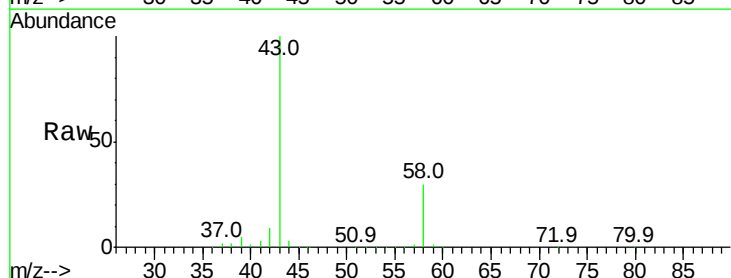
Acq: 22 Mar 2022 16:14

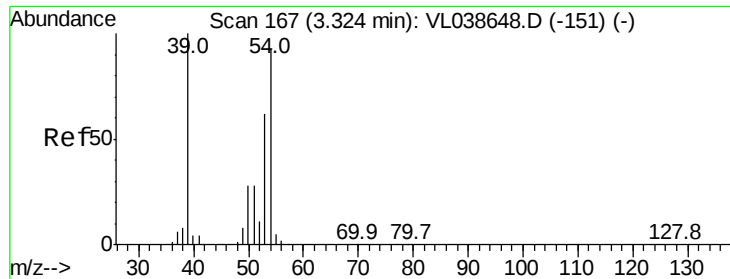
Tgt Ion: 43 Resp: 2084262

Ion Ratio Lower Upper

43 100

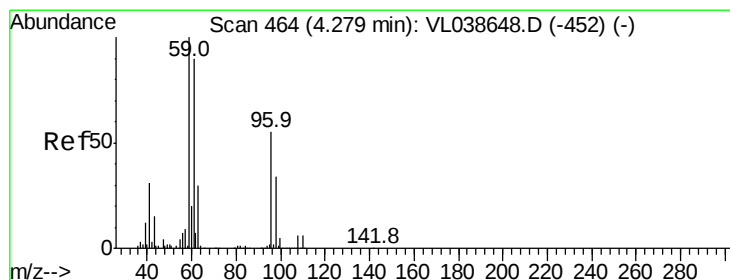
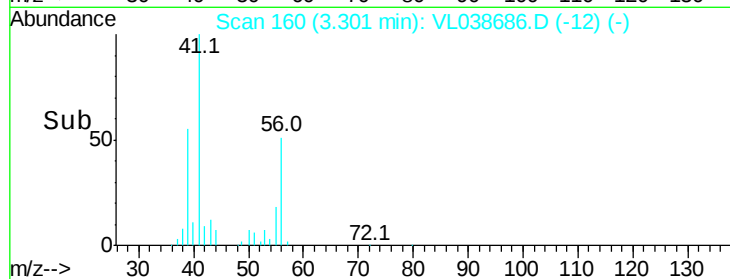
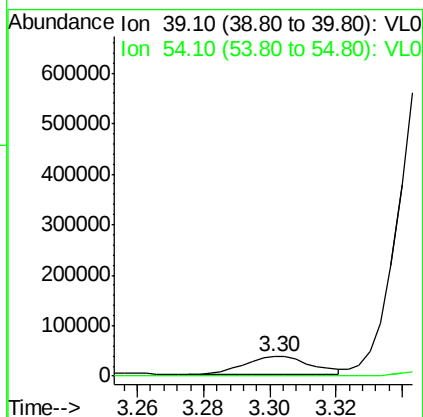
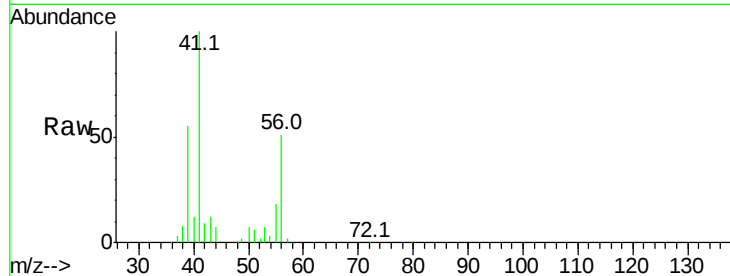
58 40.1 23.3 34.9#





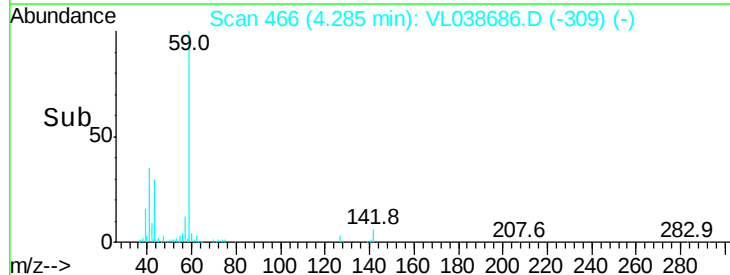
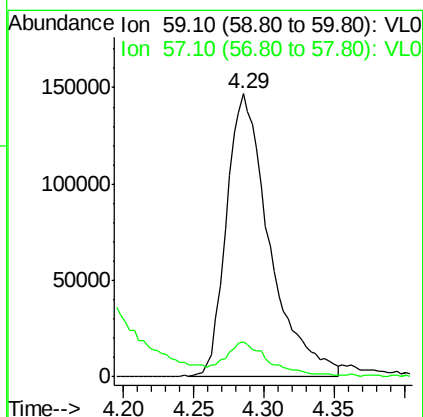
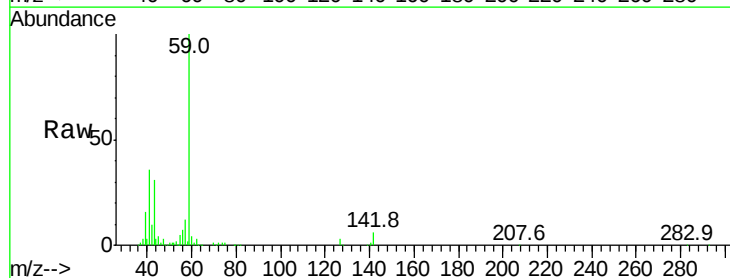
#16
 1,3-Butadiene
 Concen: 1.26 ppbv
 RT: 3.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0P72
 Acq: 22 Mar 2022 16:14

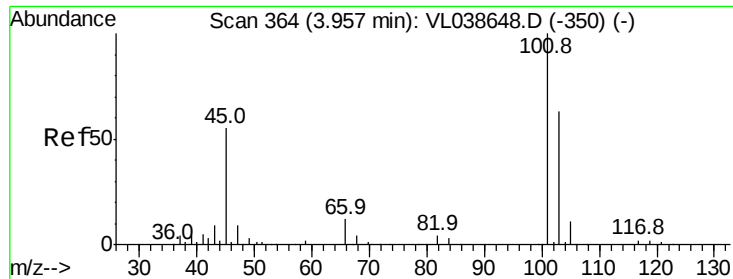
Tgt Ion: 39 Resp: 49744
 Ion Ratio Lower Upper
 39 100
 54 0.0 69.1 103.7#



#17
 tert-Butyl alcohol
 Concen: 5.10 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VL038686.D
 Acq: 22 Mar 2022 16:14

Tgt Ion: 59 Resp: 310811
 Ion Ratio Lower Upper
 59 100
 57 618.4 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 44.28 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

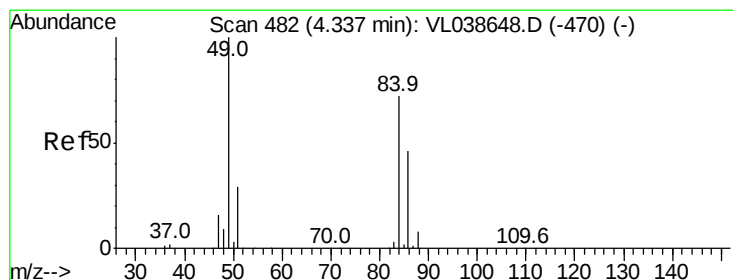
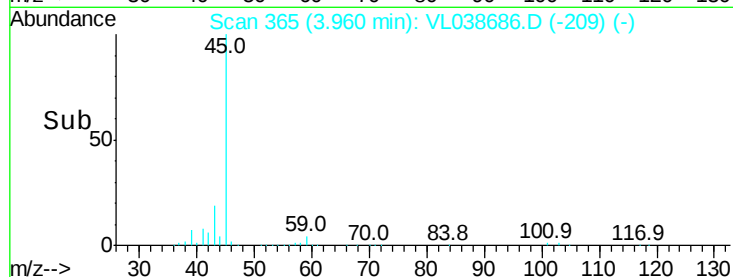
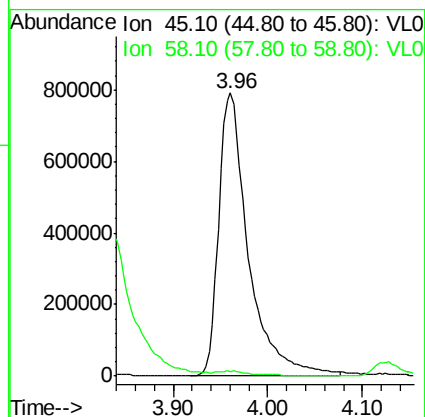
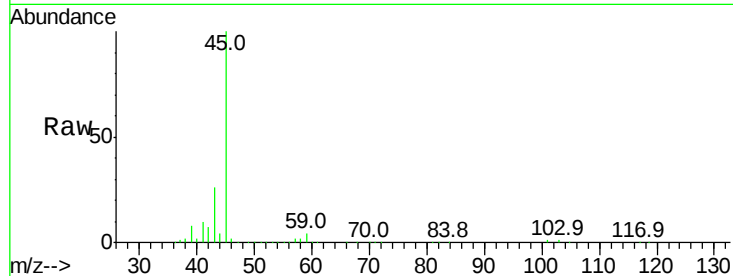
Acq: 22 Mar 2022 16:14

Tgt Ion: 45 Resp: 1712326

Ion Ratio Lower Upper

45 100

58 2.0 2.3 3.5#



#20

Methylene Chloride

Concen: 5.60 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL038686.D

Acq: 22 Mar 2022 16:14

Tgt Ion: 84 Resp: 164505

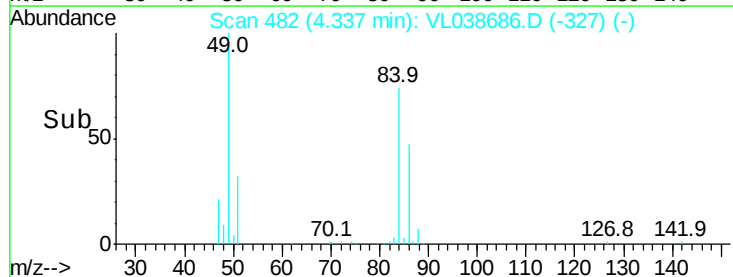
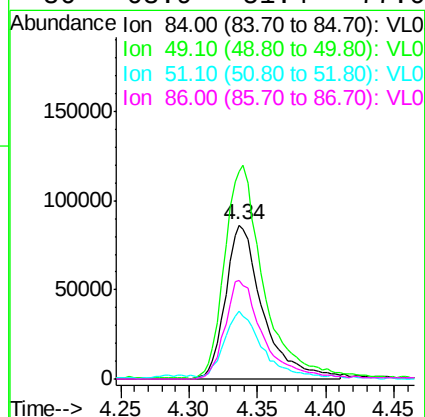
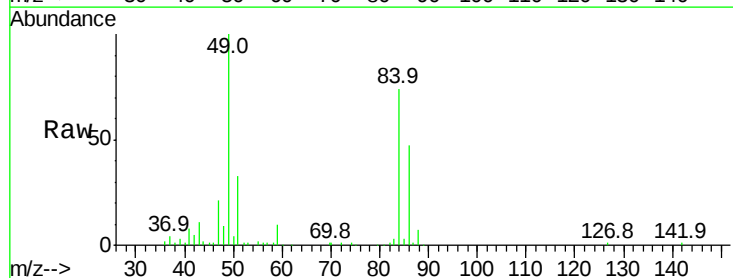
Ion Ratio Lower Upper

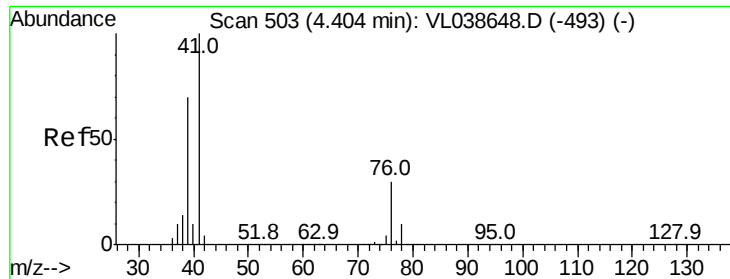
84 100

49 134.4 111.2 166.8

51 42.2 32.8 49.2

86 63.9 51.4 77.0





#21

Allyl Chloride

Concen: 4.93 ppbv

RT: 4.59 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP72

Acq: 22 Mar 2022 16:14

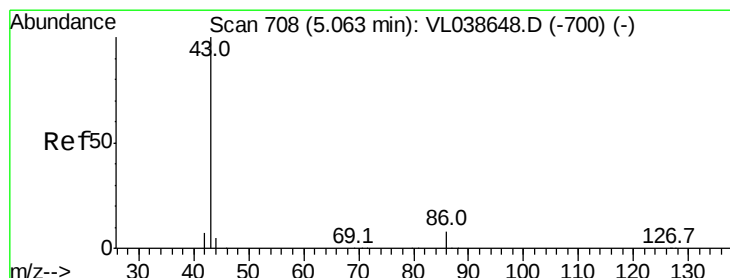
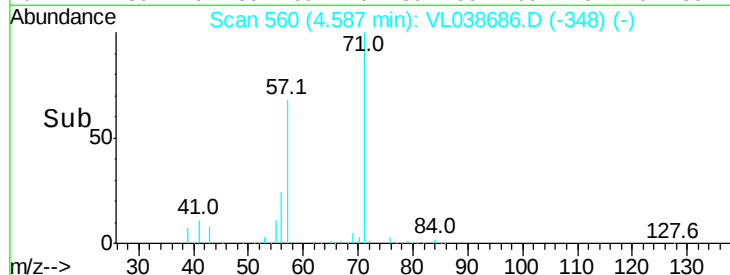
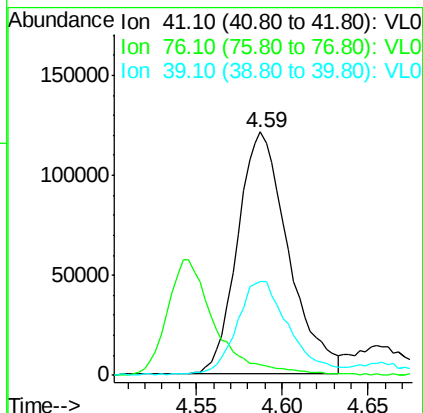
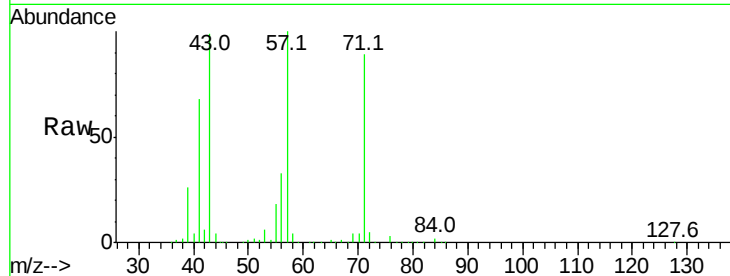
Tgt Ion: 41 Resp: 247446

Ion Ratio Lower Upper

41 100

76 45.9 25.0 37.6#

39 40.8 56.6 85.0#



#23

Vinyl Acetate

Concen: 19.97 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL038686.D

Acq: 22 Mar 2022 16:14

Tgt Ion: 43 Resp: 1348694

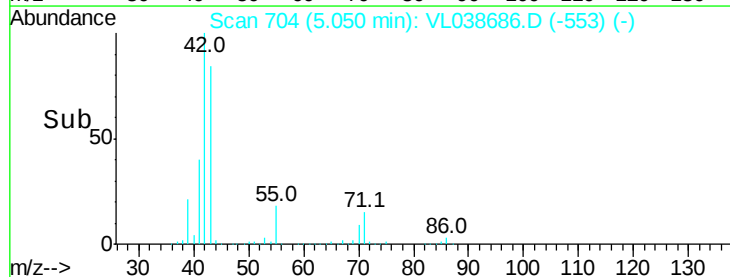
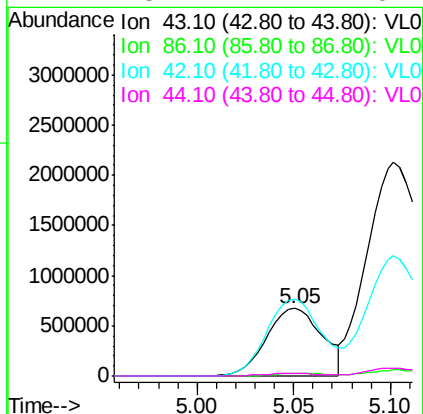
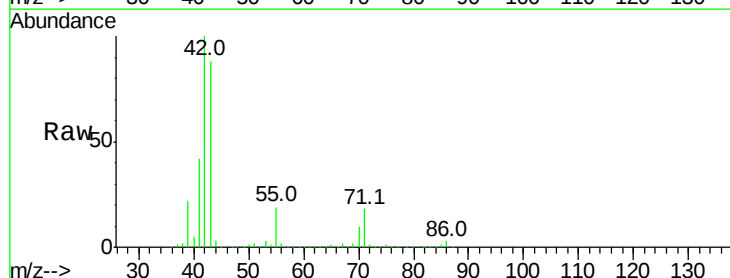
Ion Ratio Lower Upper

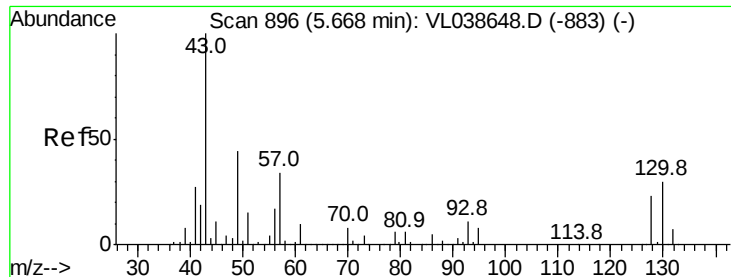
43 100

86 3.7 5.6 8.4#

42 113.5 6.8 10.2#

44 3.2 4.2 6.2#





#25

Ethyl Acetate

Concen: 11.15 ppbv

RT: 5.66 Instrument: MSVOA_1

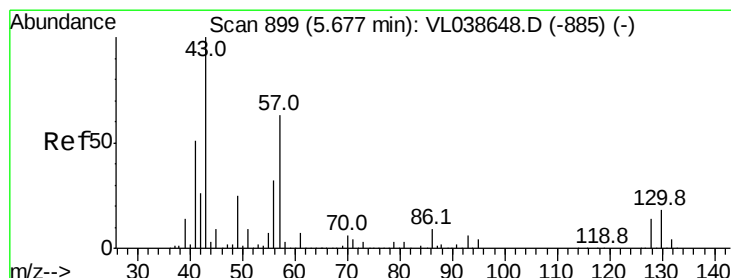
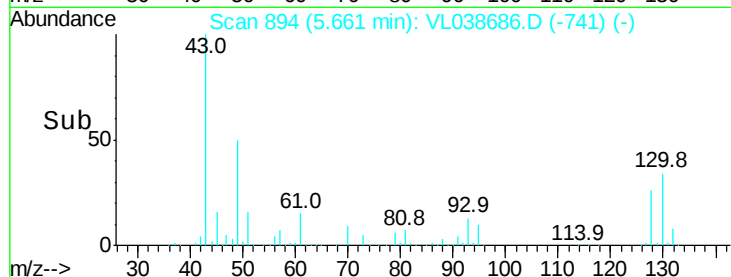
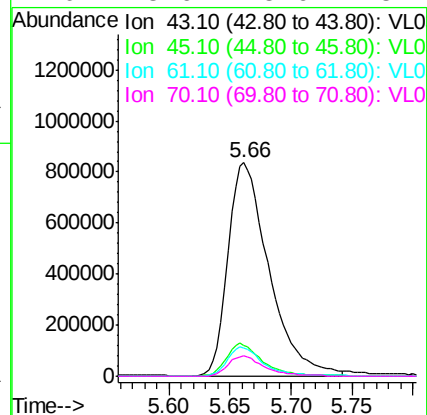
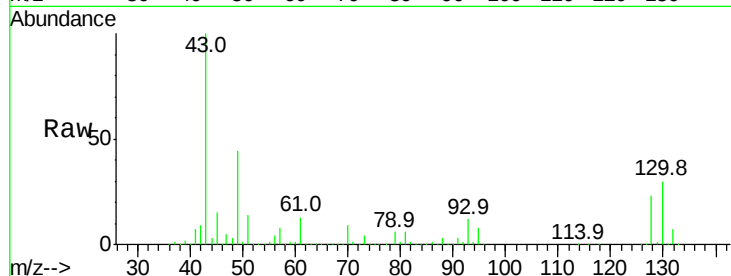
Delta R.T. 0.00 min

Lab File: ClientSampleId: C0P72

Acq: 22 Mar 2022 16:14

Tgt Ion: 43 Resp: 1957697

Ion	Ratio	Lower	Upper
43	100		
45	14.0	8.2	12.4#
61	12.4	8.3	12.5
70	8.6	5.6	8.4#



#26

Hexane

Concen: 5.46 ppbv

RT: 5.68 min Scan# 900

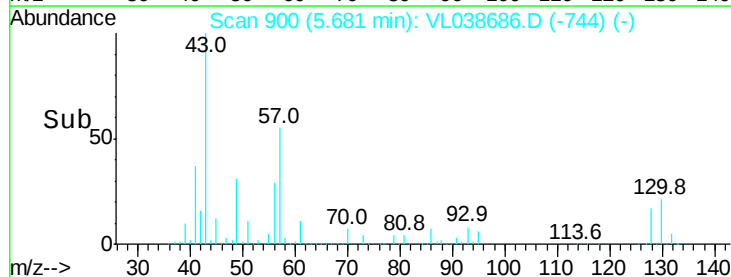
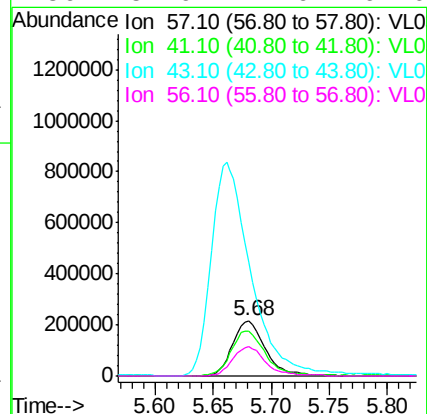
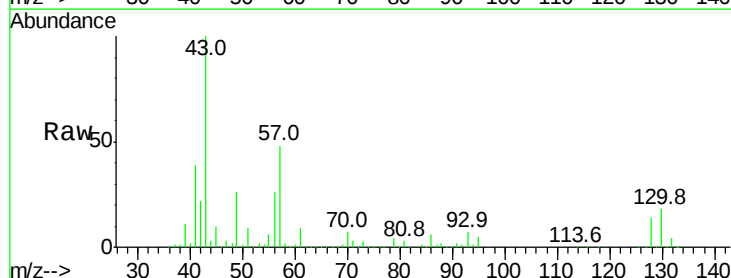
Delta R.T. 0.00 min

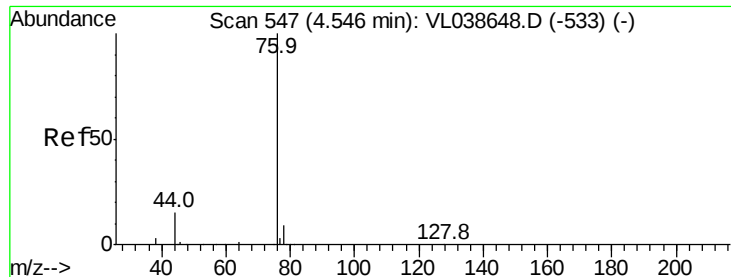
Lab File: VL038686.D

Acq: 22 Mar 2022 16:14

Tgt Ion: 57 Resp: 429537

Ion	Ratio	Lower	Upper
57	100		
41	84.5	67.0	100.4
43	466.1	184.2	276.2#
56	54.9	42.6	64.0





#27

Carbon Disulfide

Concen: 1.37 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Mar 2022 16:14

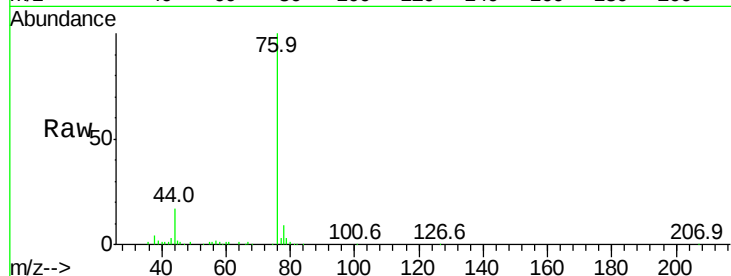
Tgt Ion: 76 Resp: 105502

Ion Ratio Lower Upper

76 100

44 14.2 12.4 18.6

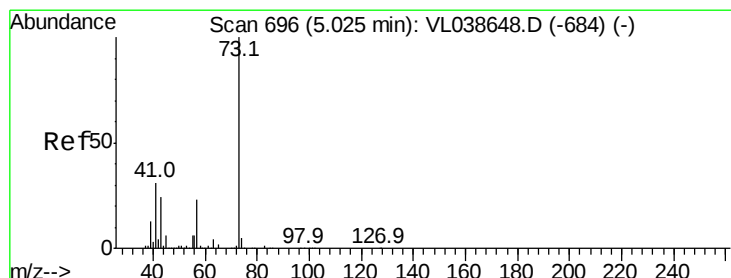
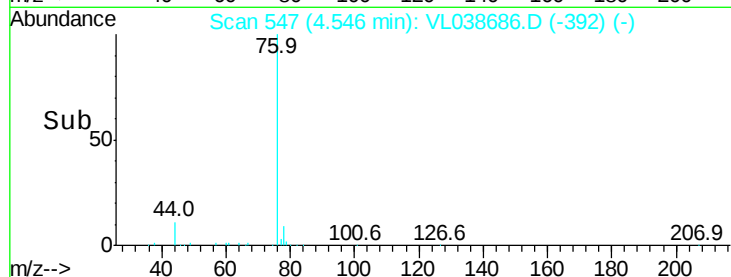
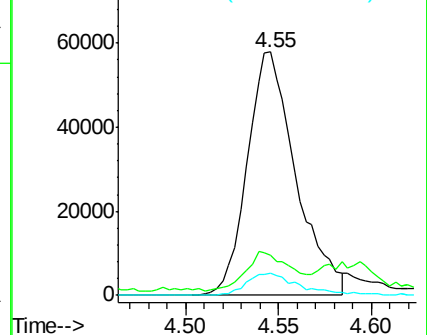
78 9.9 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.04 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL038686.D

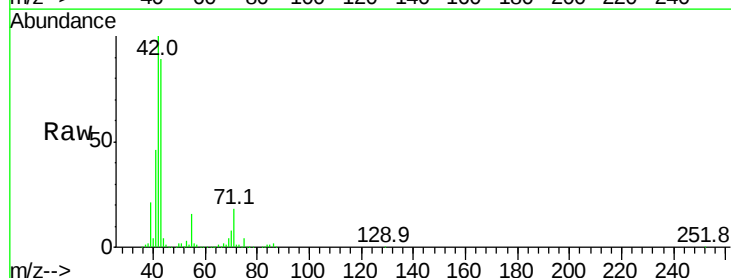
Acq: 22 Mar 2022 16:14

Tgt Ion: 73 Resp: 2169

Ion Ratio Lower Upper

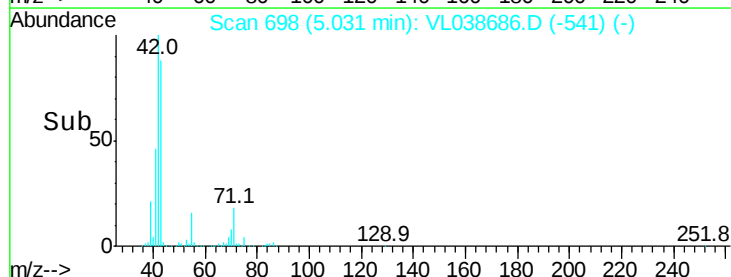
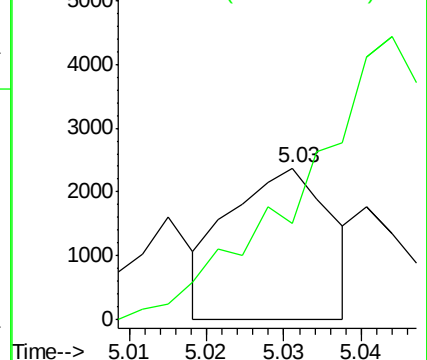
73 100

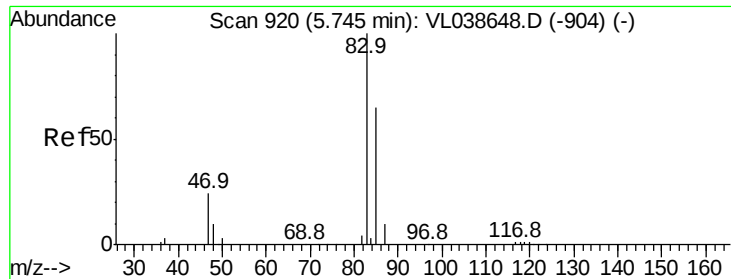
57 0.0 19.2 28.8#



Abundance Ion 73.10 (72.80 to 73.80): VL0

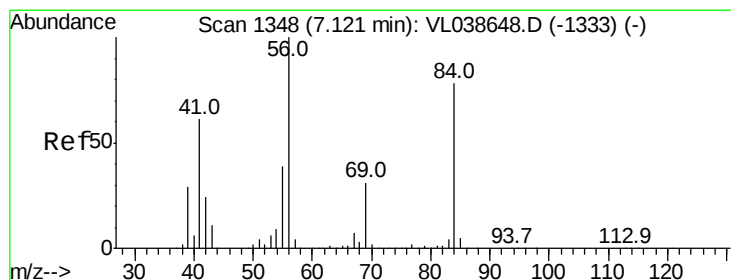
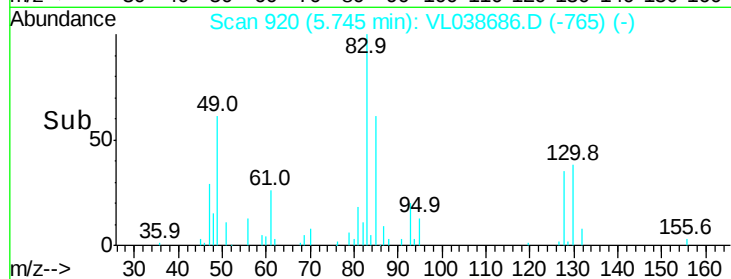
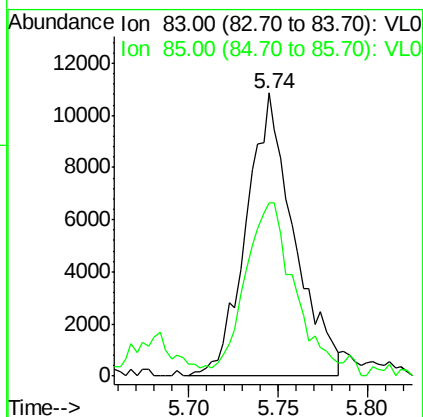
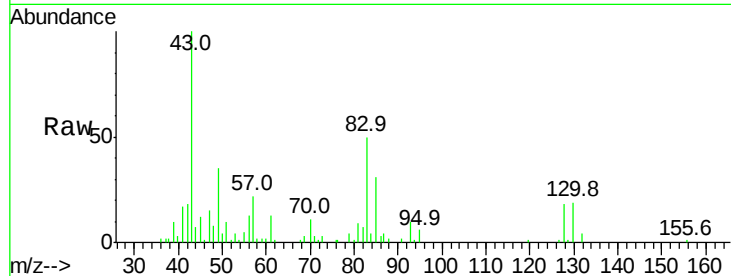
Ion 57.10 (56.80 to 57.80): VL0





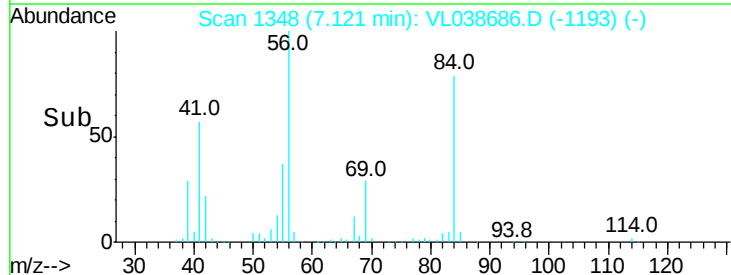
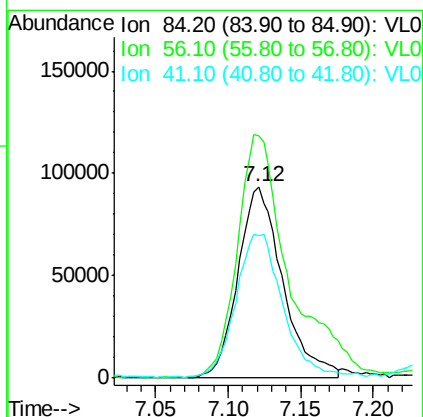
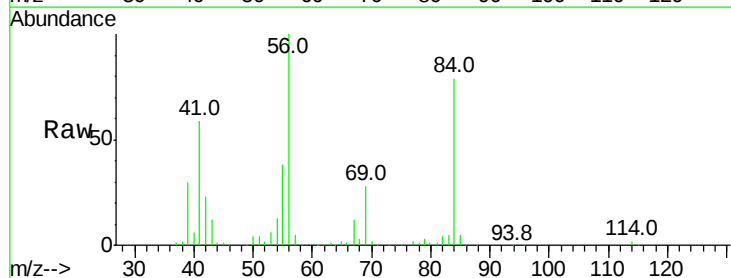
#29
Chloroform
Concen: 0.16 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 16:14

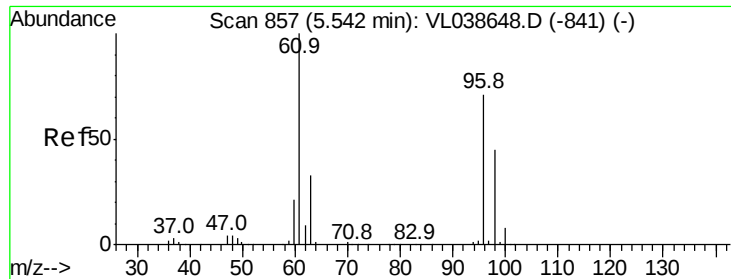
Tgt Ion: 83 Resp: 20320
Ion Ratio Lower Upper
83 100
85 57.2 51.7 77.5



#30
Cyclohexane
Concen: 2.94 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VL038686.D
Acq: 22 Mar 2022 16:14

Tgt Ion: 84 Resp: 200870
Ion Ratio Lower Upper
84 100
56 148.2 108.2 162.4
41 77.5 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 3.16 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 16:14 COP72

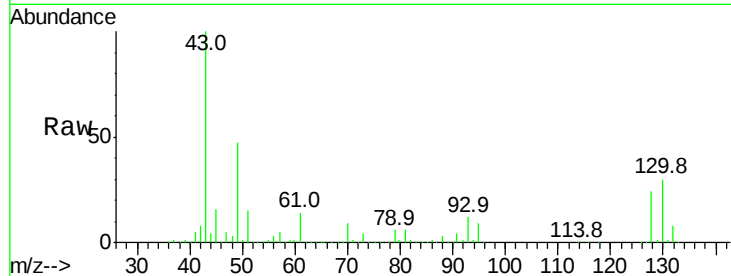
Tgt Ion: 61 Resp: 233283

Ion Ratio Lower Upper

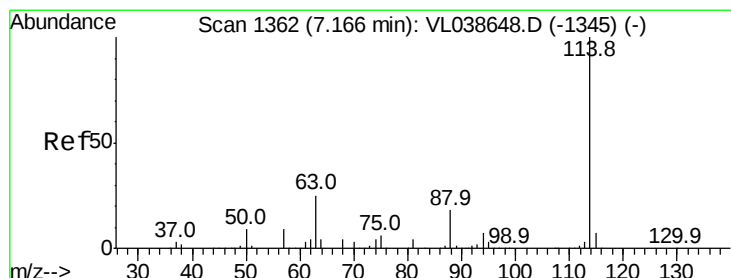
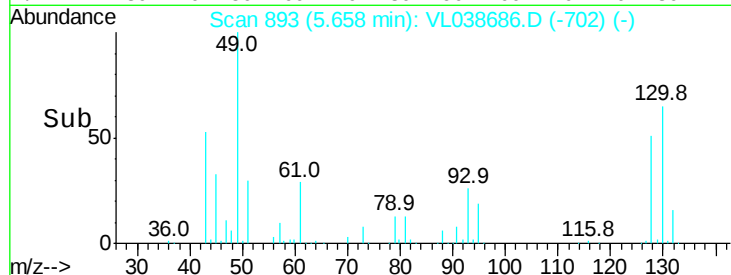
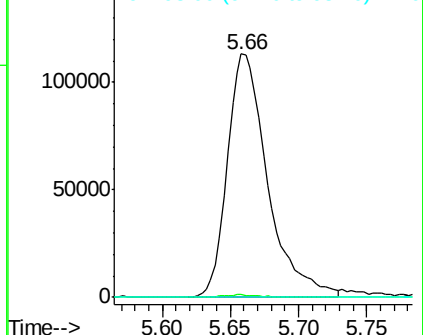
61 100

96 1.0 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# 1361

Delta R.T. -0.00 min

Lab File: VL038686.D

Acq: 22 Mar 2022 16:14

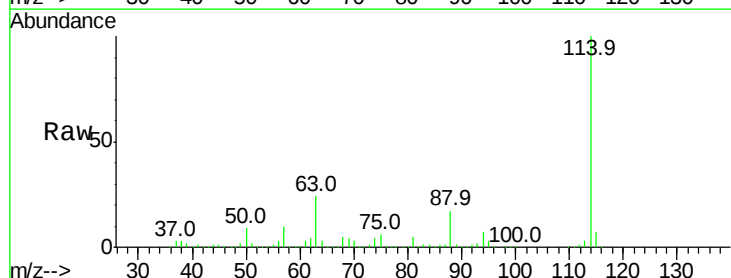
Tgt Ion: 114 Resp: 2136235

Ion Ratio Lower Upper

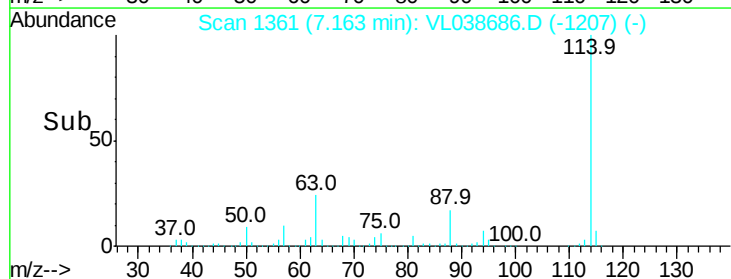
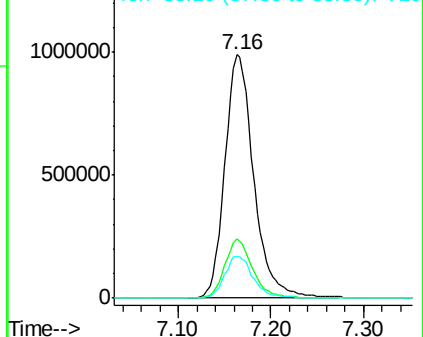
114 100

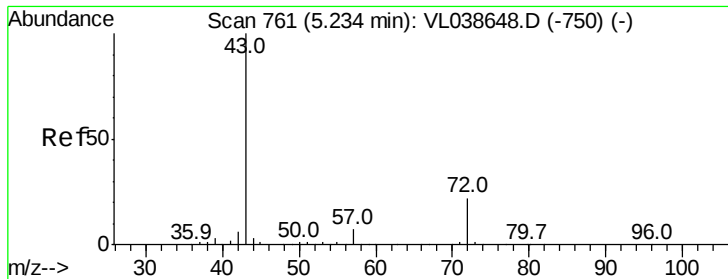
63 23.7 19.4 29.0

88 17.3 13.9 20.9



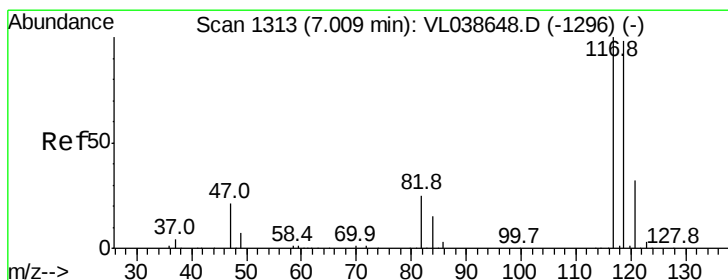
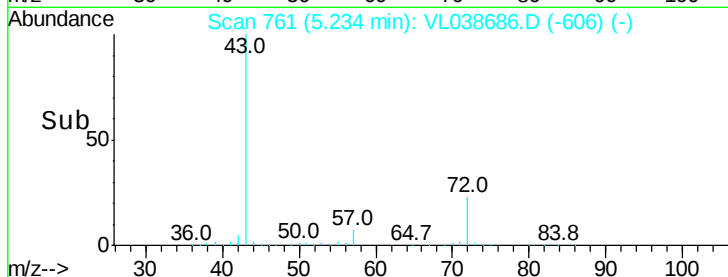
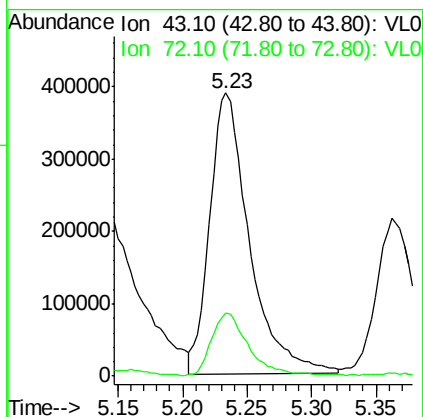
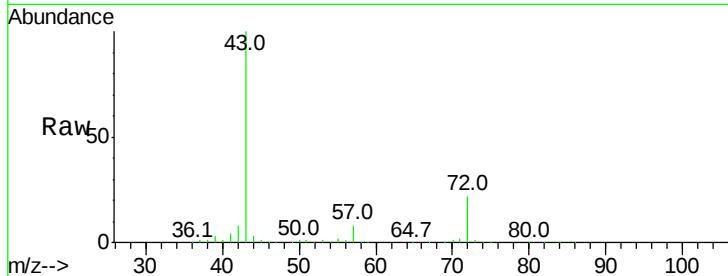
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





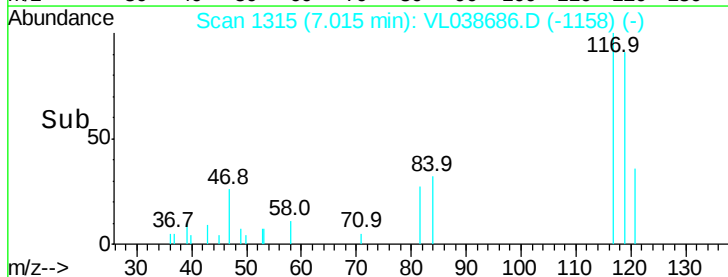
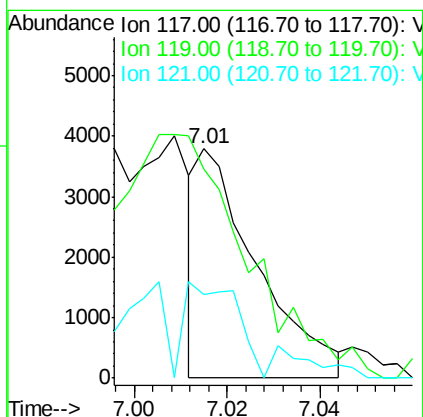
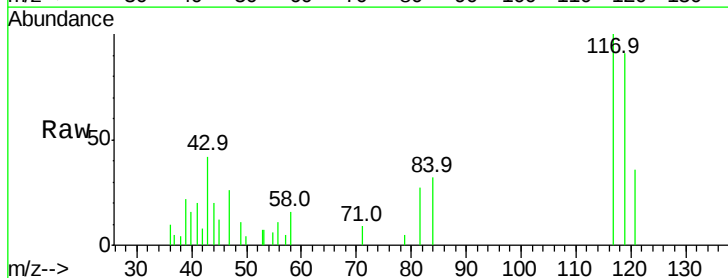
#34
2-Butanone
Concen: 9.84 ppbv
RT: 5.23
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 16:14

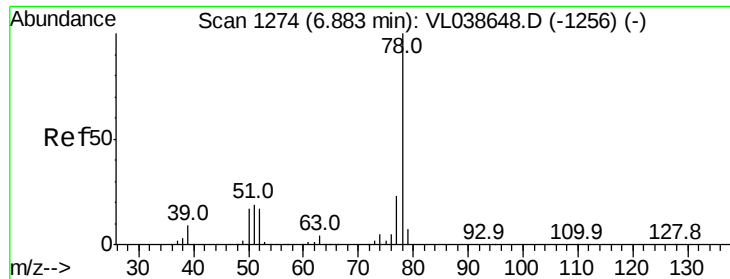
Tgt Ion: 43 Resp: 831953
Ion Ratio Lower Upper
43 100
72 21.8 17.8 26.8



#35
Carbon Tetrachloride
Concen: 0.03 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.01 min
Lab File: VL038686.D
Acq: 22 Mar 2022 16:14

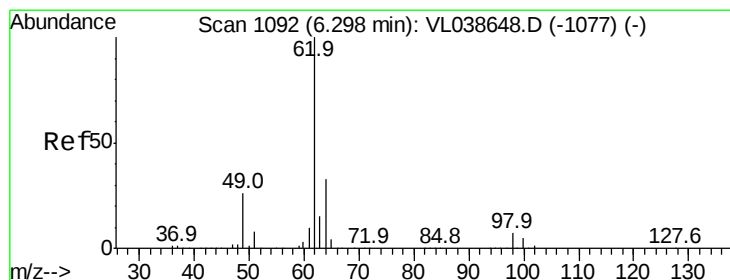
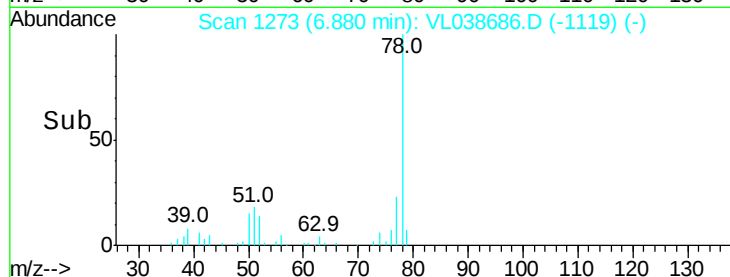
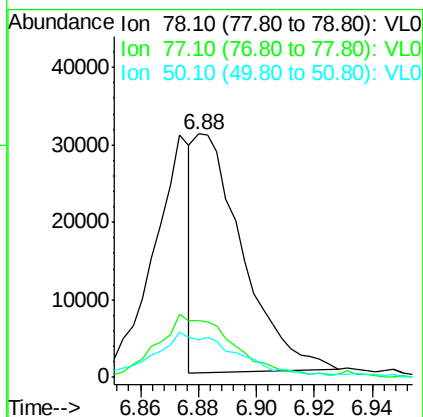
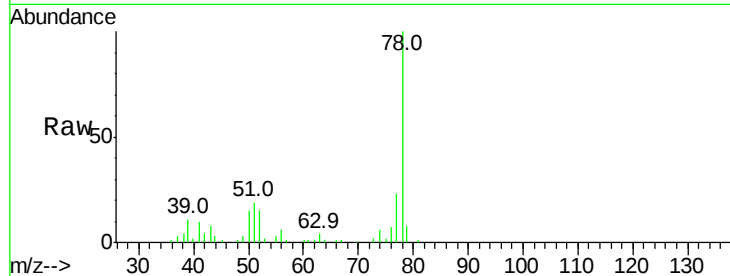
Tgt Ion: 117 Resp: 3371
Ion Ratio Lower Upper
117 100
119 94.2 78.1 117.1
121 34.3 25.8 38.6





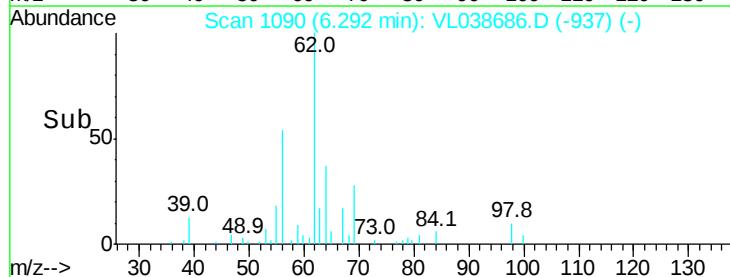
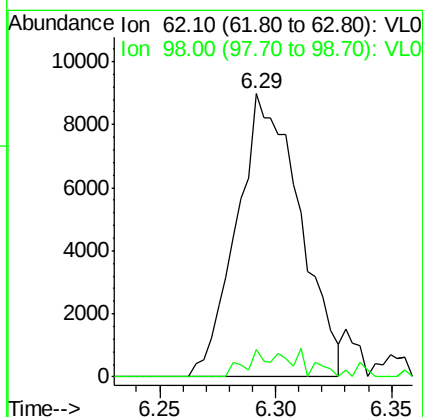
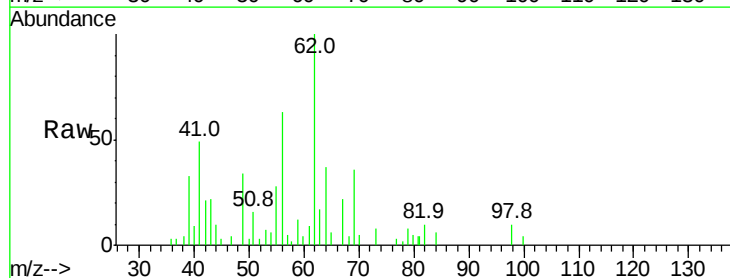
#36
Benzene
Concen: 0.21 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 16:14

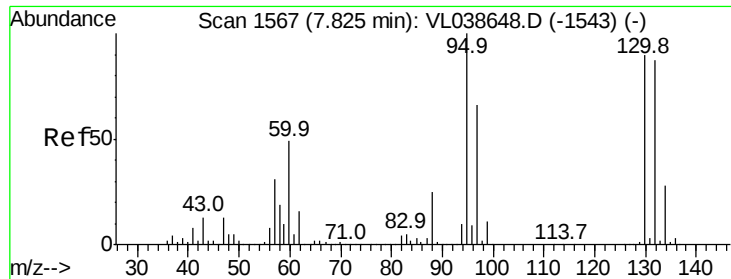
Tgt Ion: 78 Resp: 35232
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1
50 14.6 13.6 20.4



#37
1,2-Dichloroethane
Concen: 0.20 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VL038686.D
Acq: 22 Mar 2022 16:14

Tgt Ion: 62 Resp: 16929
Ion Ratio Lower Upper
62 100
98 7.5 5.6 8.4





#38

Trichloroethene

Concen: 0.05 ppbv

RT: 7.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 16:14

Tgt Ion: 130 Resp: 3429

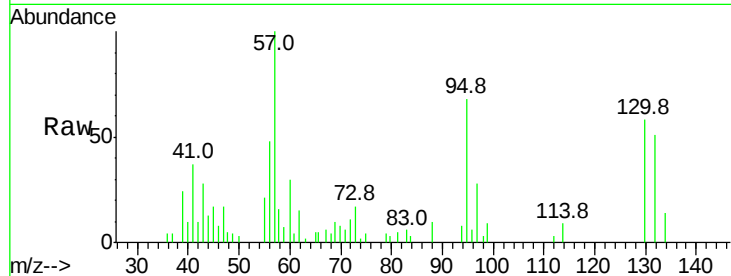
Ion Ratio Lower Upper

130 100

95 107.5 88.9 133.3

132 77.5 77.4 116.0

97 47.8 58.2 87.4#

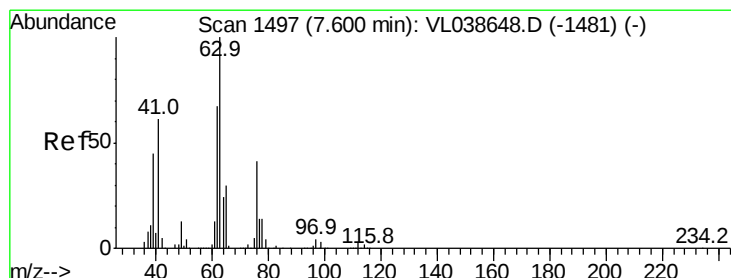
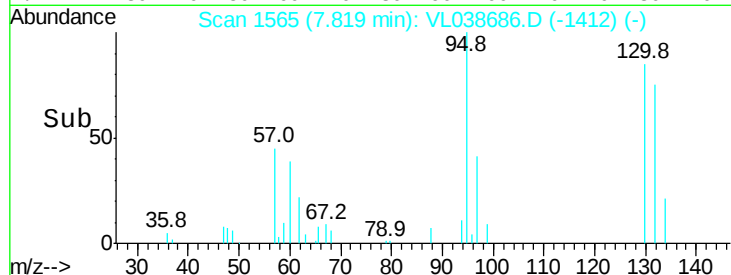
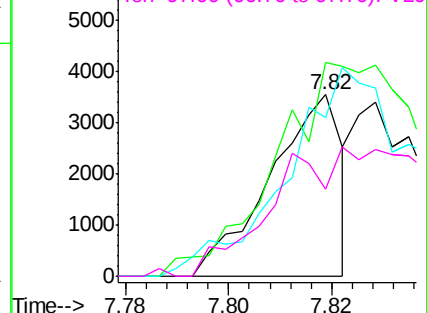


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.69 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.44 min

Lab File: VL038686.D

Acq: 22 Mar 2022 16:14

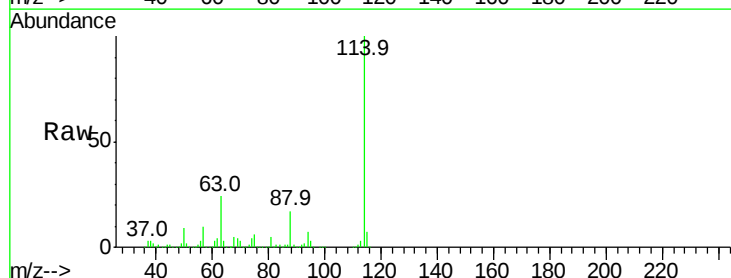
Tgt Ion: 63 Resp: 495362

Ion Ratio Lower Upper

63 100

41 0.0 49.0 73.6#

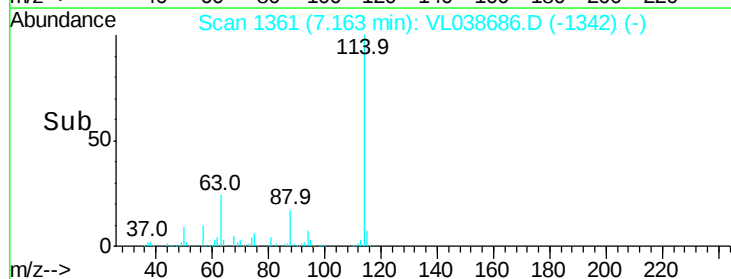
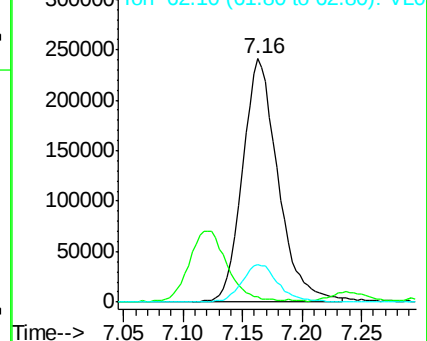
62 15.2 53.9 80.9#

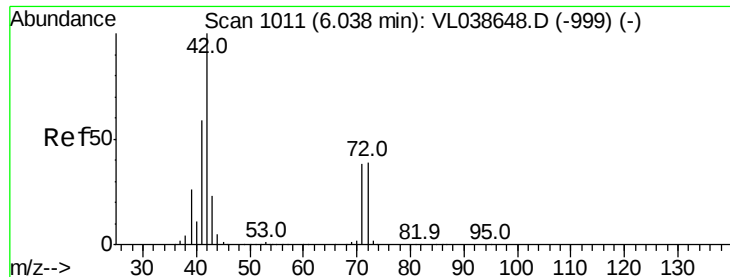


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.15 ppbv

RT: 6.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

COP72

Acq: 22 Mar 2022 16:14

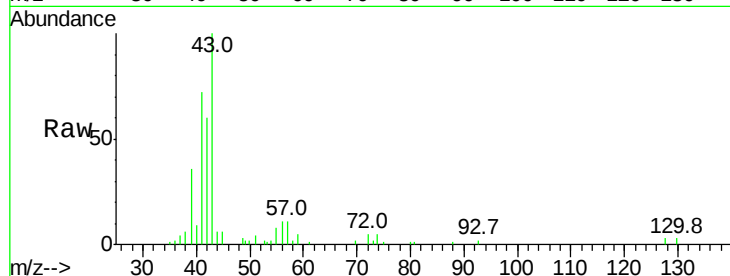
Tgt Ion: 42 Resp: 9169

Ion Ratio Lower Upper

42 100

72 30.7 32.5 48.7#

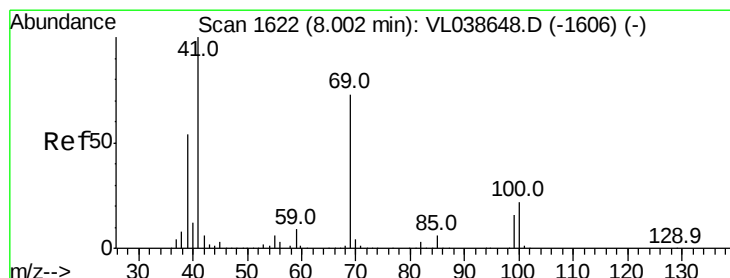
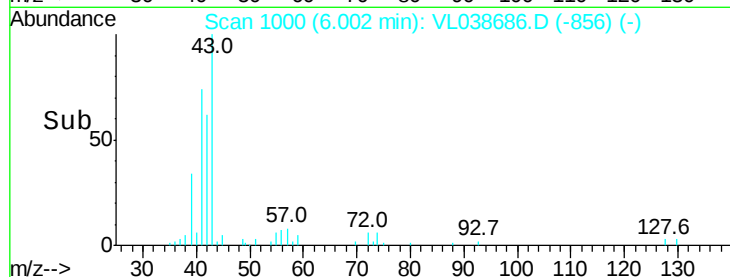
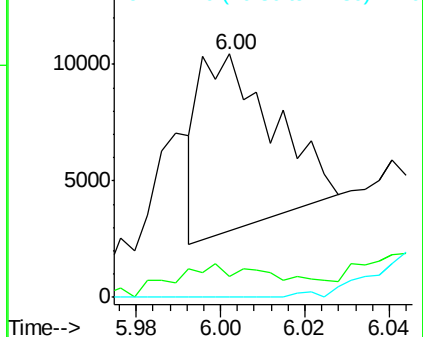
71 0.0 31.4 47.2#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#43

Methyl Methacrylate

Concen: 0.17 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VL038686.D

Acq: 22 Mar 2022 16:14

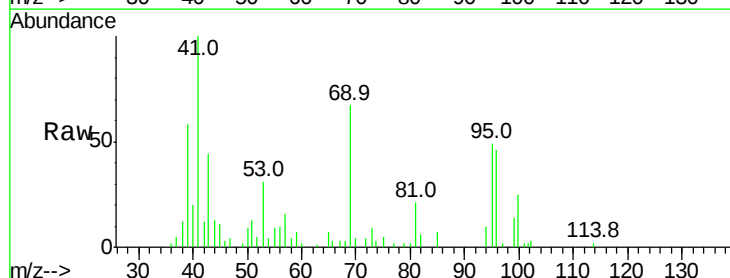
Tgt Ion: 69 Resp: 10517

Ion Ratio Lower Upper

69 100

41 267.9 110.3 165.5#

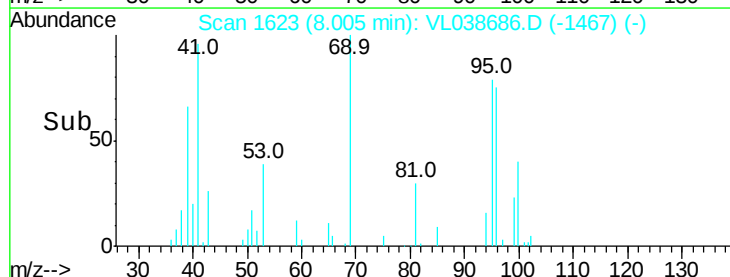
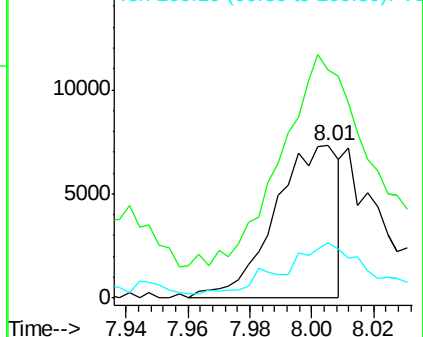
100 52.8 24.8 37.2#

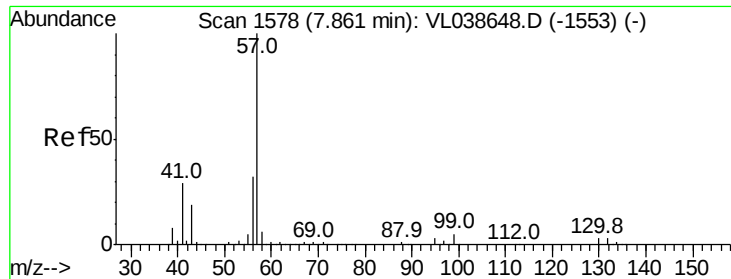


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

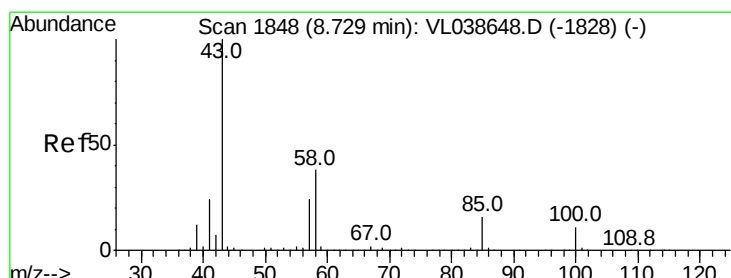
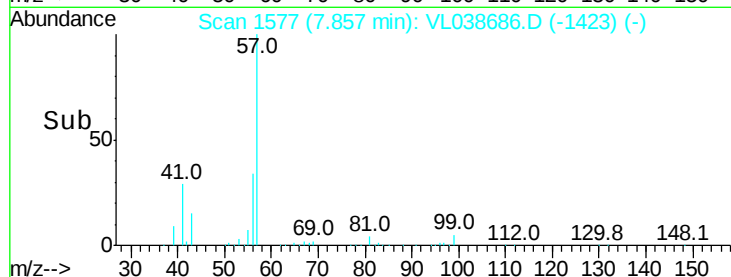
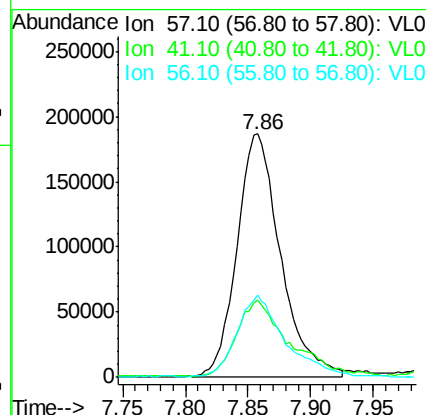
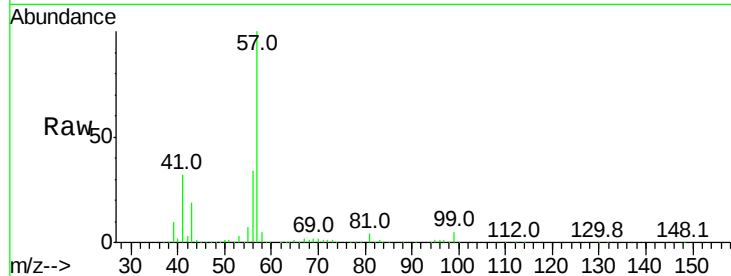
Ion 100.10 (99.80 to 100.80): VL0





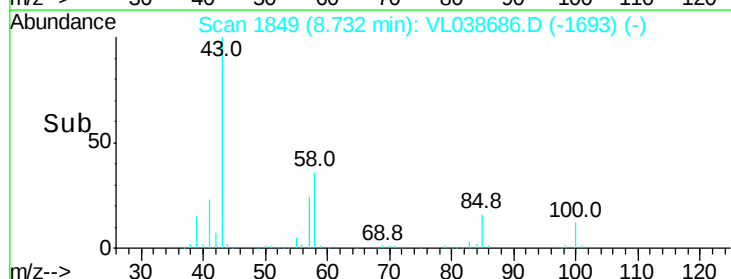
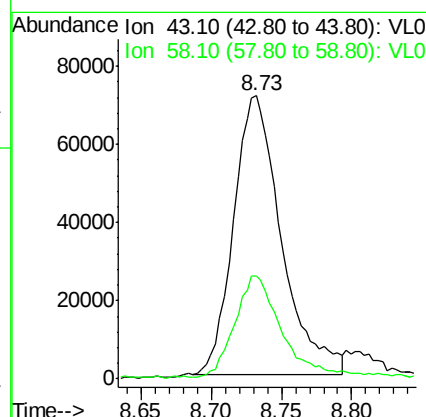
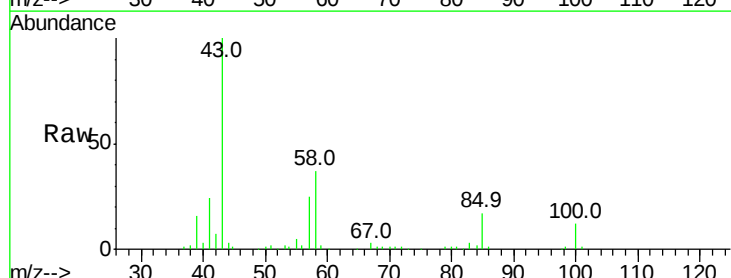
#44
 2,2,4-Trimethylpentane
 Concen: 1.62 ppbv
 RT: 7.86
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Mar 2022 16:14

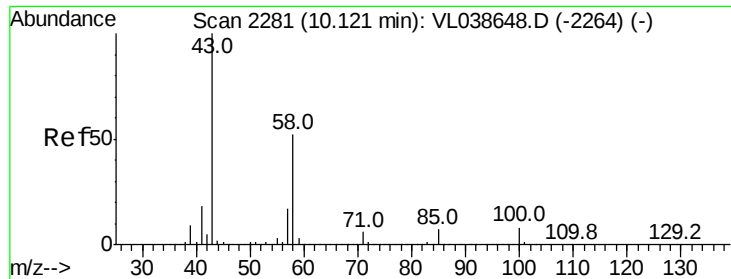
Tgt Ion: 57 Resp: 447975
 Ion Ratio Lower Upper
 57 100
 41 38.8 23.0 34.4#
 56 36.8 25.3 37.9



#50
 4-Methyl-2-Pentanone
 Concen: 1.07 ppbv
 RT: 8.73 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: VL038686.D
 Acq: 22 Mar 2022 16:14

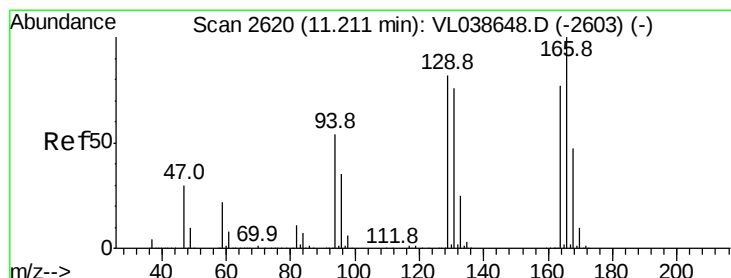
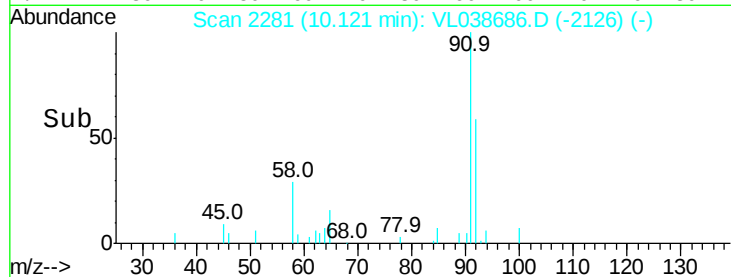
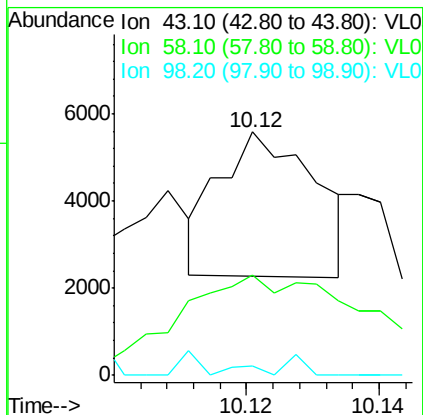
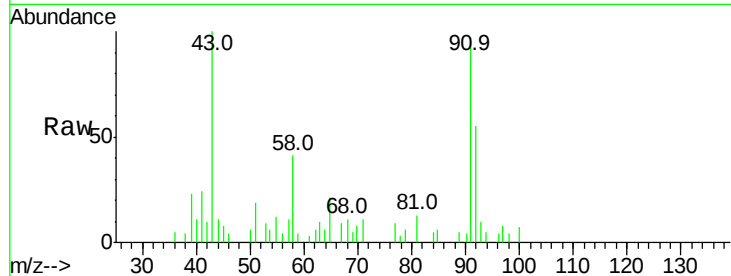
Tgt Ion: 43 Resp: 168687
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.9 44.9





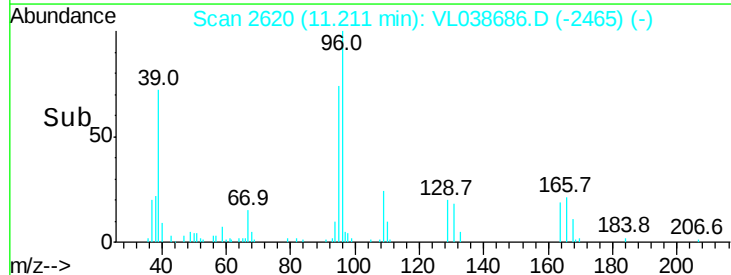
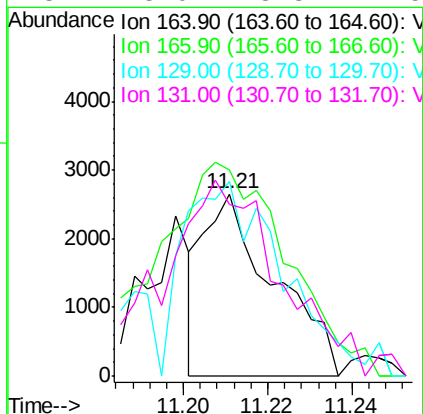
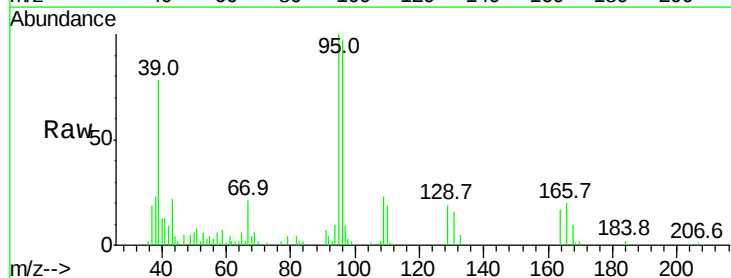
#51
2-Hexanone
Concen: 0.03 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP72
Acq: 22 Mar 2022 16:14

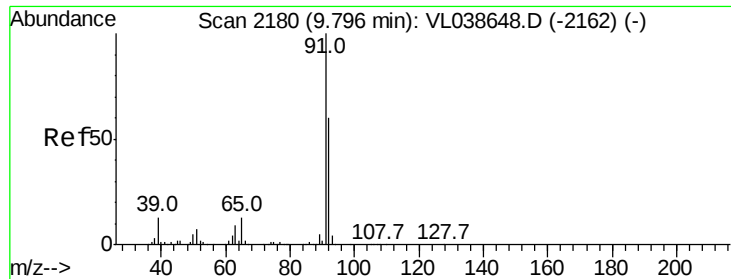
Tgt Ion: 43 Resp: 3353
Ion Ratio Lower Upper
43 100
58 171.8 41.2 61.8#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.05 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL038686.D
Acq: 22 Mar 2022 16:14

Tgt Ion: 164 Resp: 3078
Ion Ratio Lower Upper
164 100
166 95.3 103.3 154.9#
129 88.5 85.2 127.8
131 78.0 78.3 117.5#





#53

Toluene

Concen: 60.23 ppbv

RT: 9.80 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: C0P72

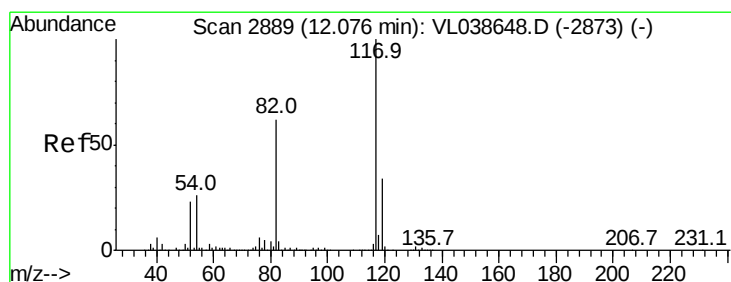
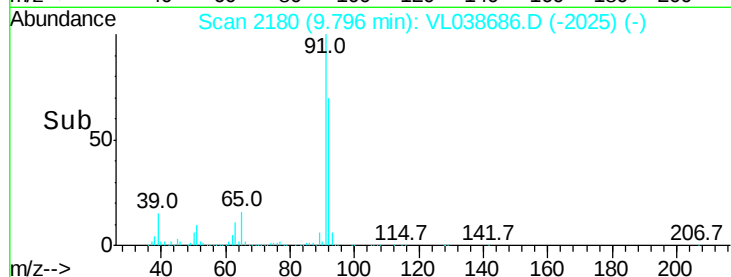
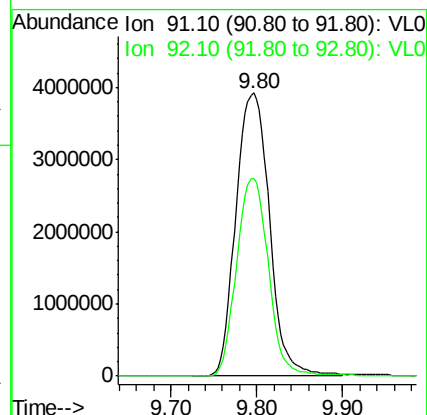
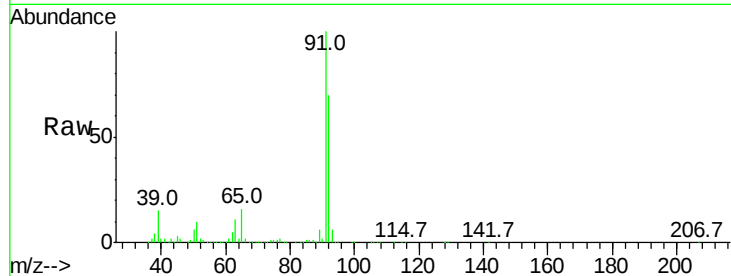
Acq: 22 Mar 2022 16:14

Tgt Ion: 91 Resp: 10669848

Ion Ratio Lower Upper

91 100

92 67.2 48.7 73.1



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.01 min

Lab File: VL038686.D

Acq: 22 Mar 2022 16:14

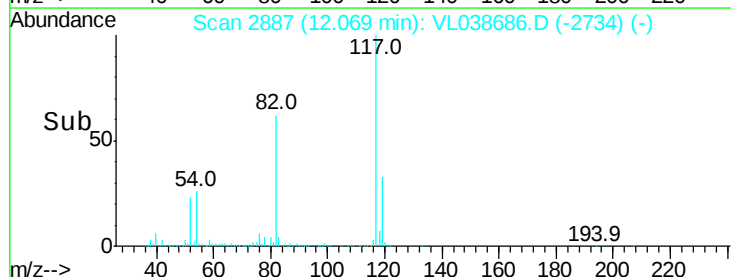
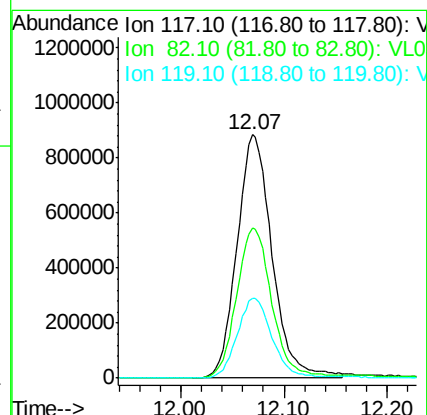
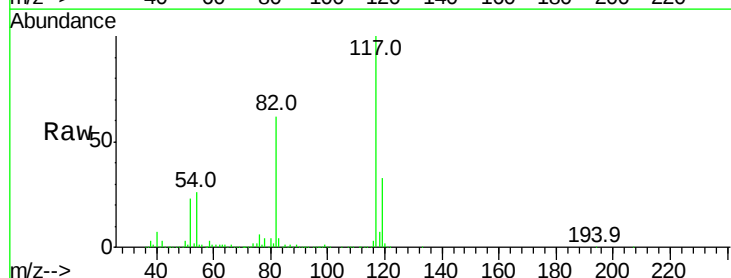
Tgt Ion: 117 Resp: 2100397

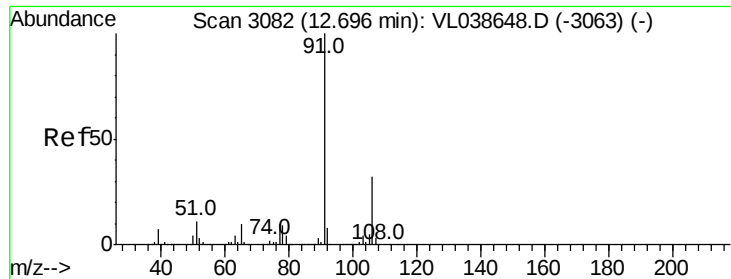
Ion Ratio Lower Upper

117 100

82 64.6 51.6 77.4

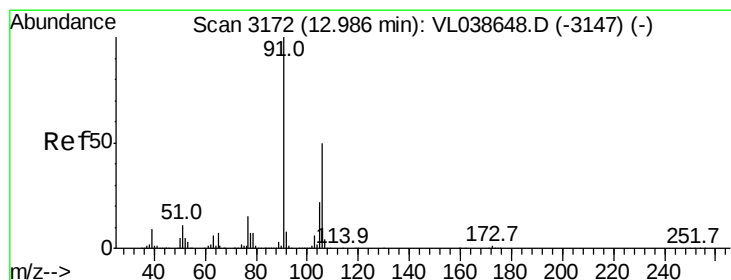
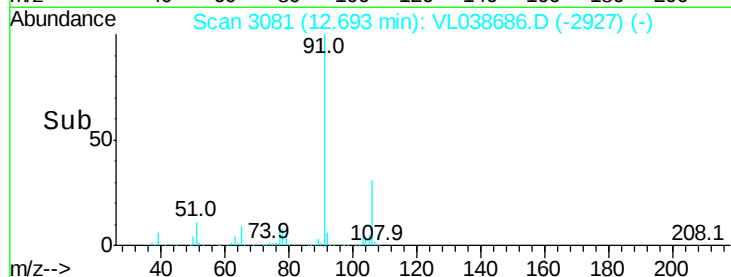
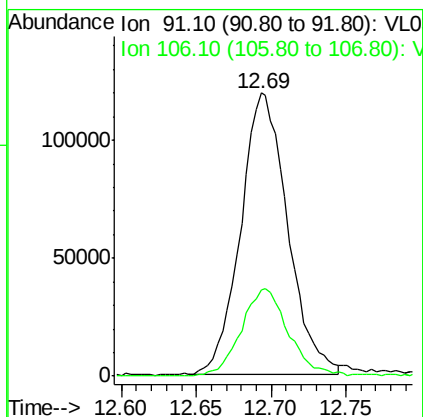
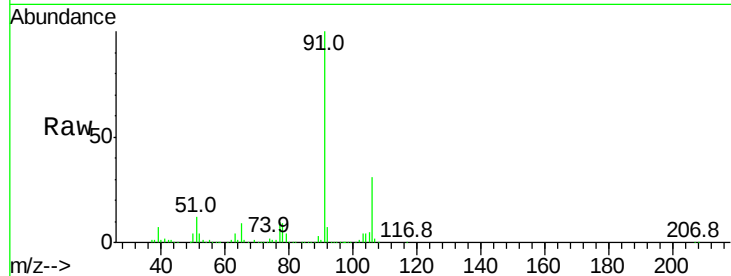
119 33.9 26.9 40.3





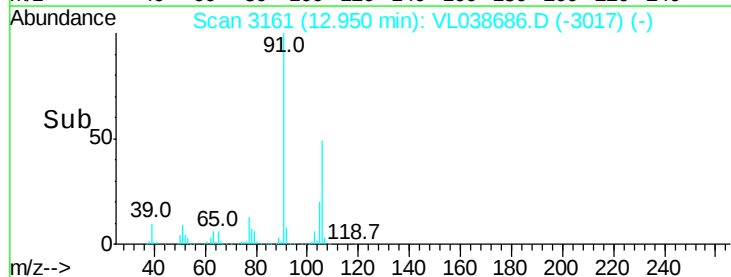
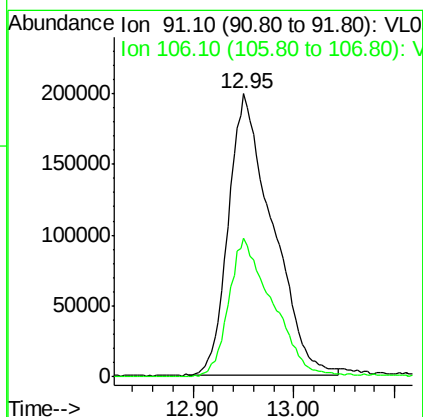
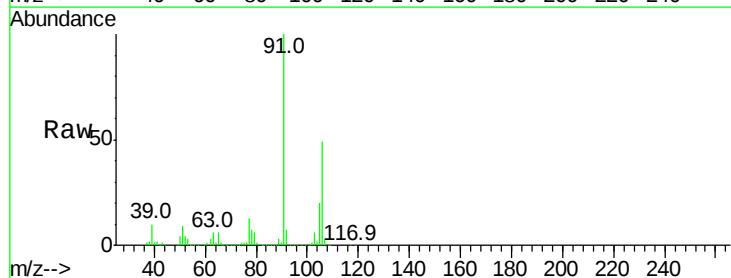
#58
Ethyl Benzene
Concen: 1.06 ppbv
RT: 12.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
COP72
Acq: 22 Mar 2022 16:14

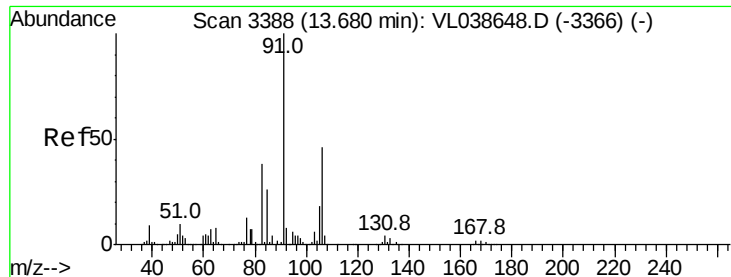
Tgt Ion: 91 Resp: 260026
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0



#59
m/p-Xylene
Concen: 2.80 ppbv
RT: 12.95 min Scan# 3161
Delta R.T. -0.04 min
Lab File: VL038686.D
Acq: 22 Mar 2022 16:14

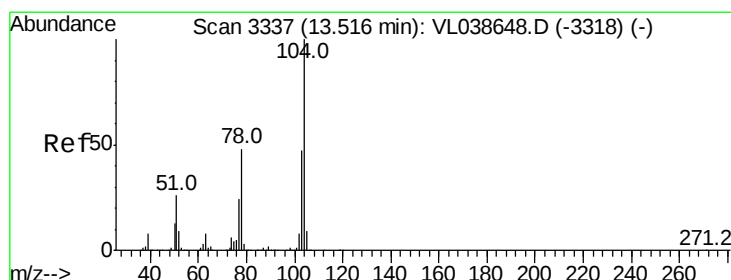
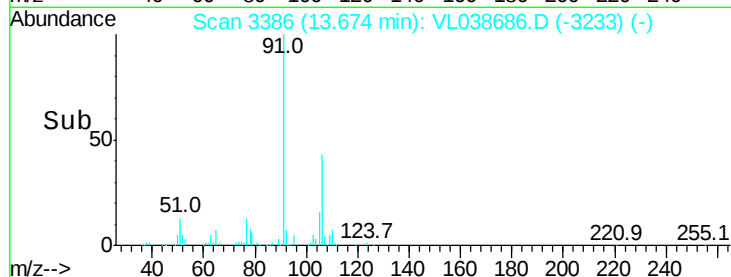
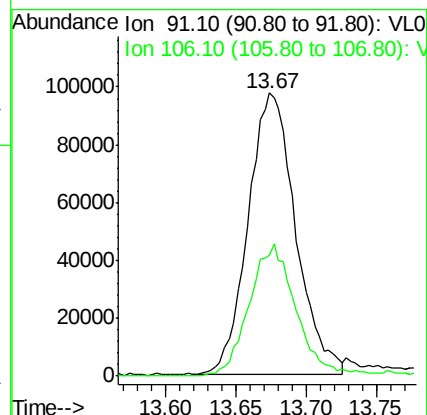
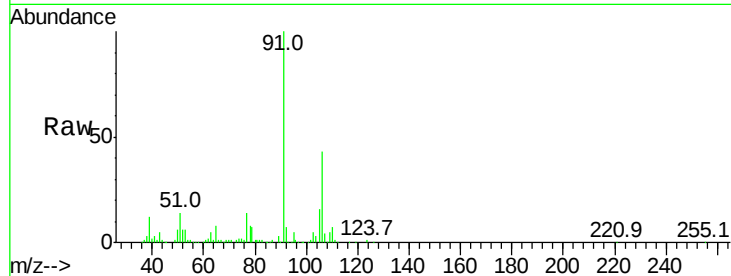
Tgt Ion: 91 Resp: 602216
Ion Ratio Lower Upper
91 100
106 49.0 37.2 55.8





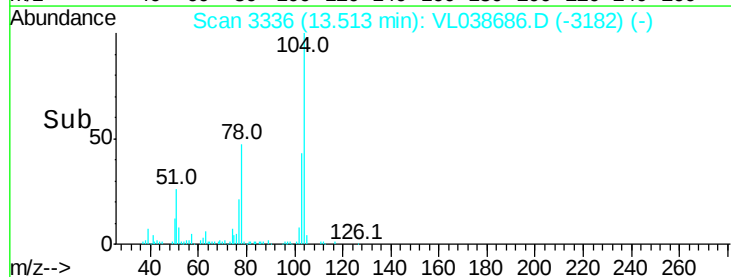
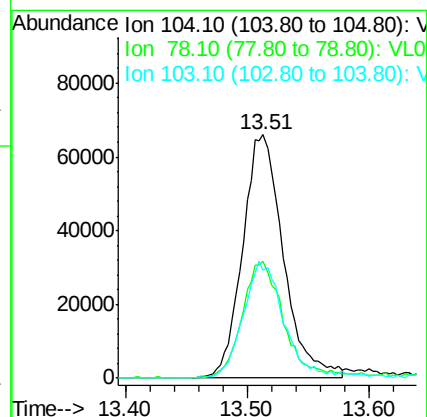
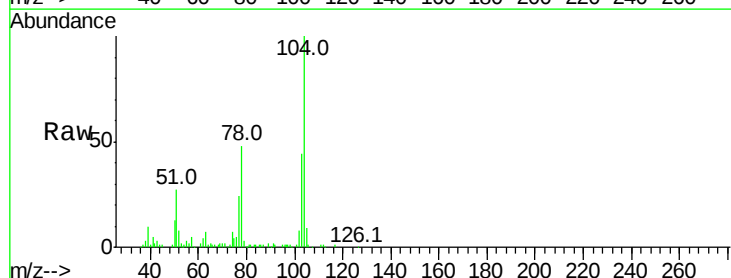
#60
o-Xylene
Concen: 1.12 ppbv
RT: 13.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 16:14

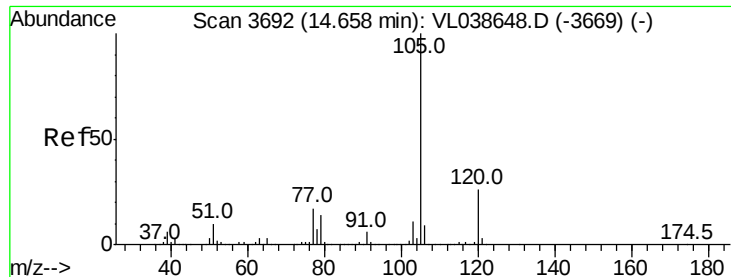
Tgt Ion: 91 Resp: 228568
Ion Ratio Lower Upper
91 100
106 48.0 23.5 70.5



#61
Styrene
Concen: 1.38 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VL038686.D
Acq: 22 Mar 2022 16:14

Tgt Ion: 104 Resp: 152392
Ion Ratio Lower Upper
104 100
78 50.3 39.0 58.4
103 48.9 37.8 56.8





#62

Isopropylbenzene

Concen: 0.07 ppbv

RT: 14.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

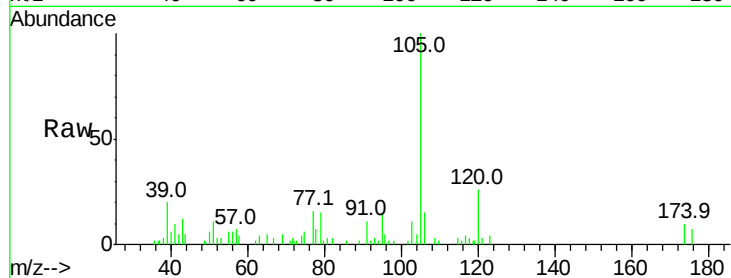
Acq: 22 Mar 2022 16:14

Tgt Ion:105 Resp: 22137

Ion Ratio Lower Upper

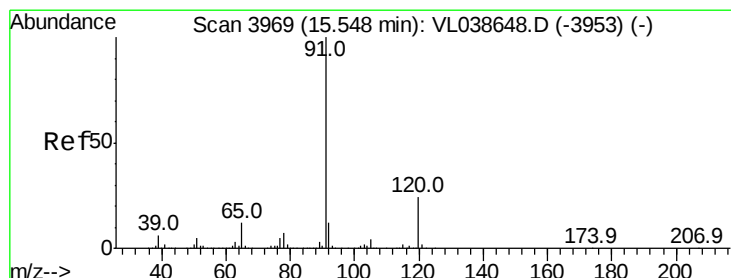
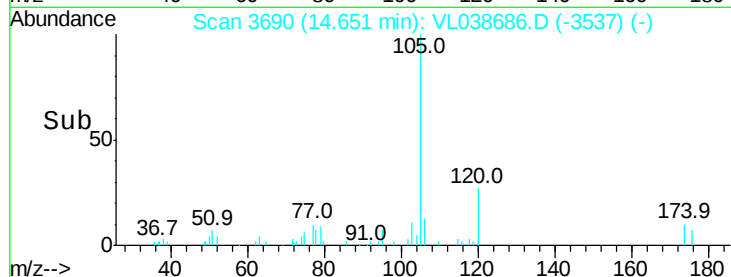
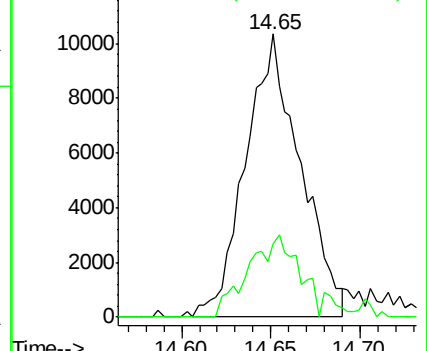
105 100

120 30.4 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: 0.02 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. -0.01 min

Lab File: VL038686.D

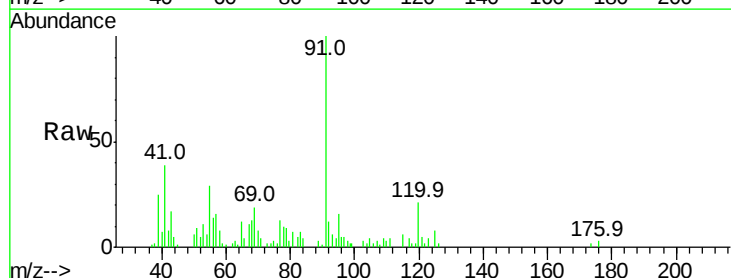
Acq: 22 Mar 2022 16:14

Tgt Ion:120 Resp: 1698

Ion Ratio Lower Upper

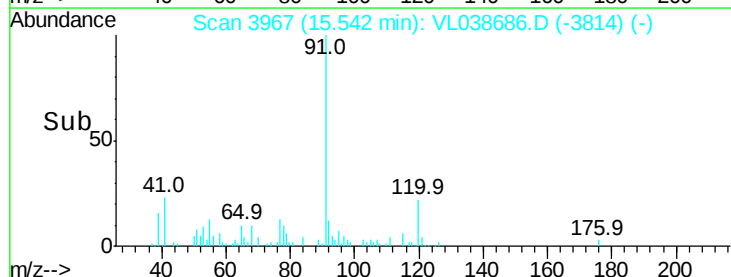
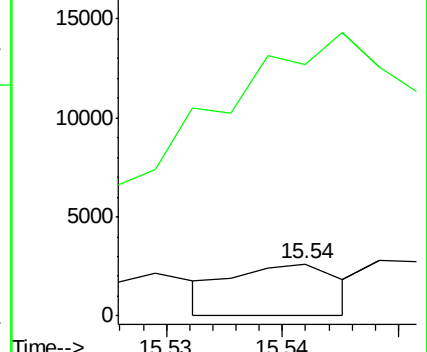
120 100

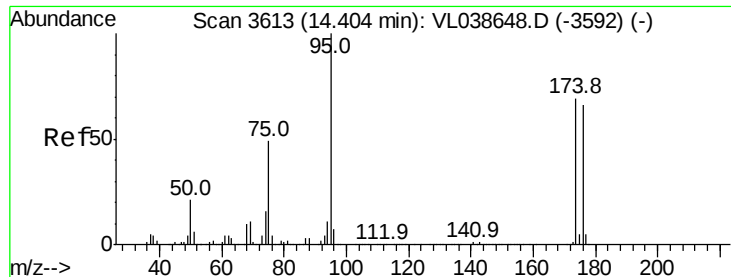
91 1920.6 368.0 552.0#



Abundance Ion 120.20 (119.90 to 120.90): V

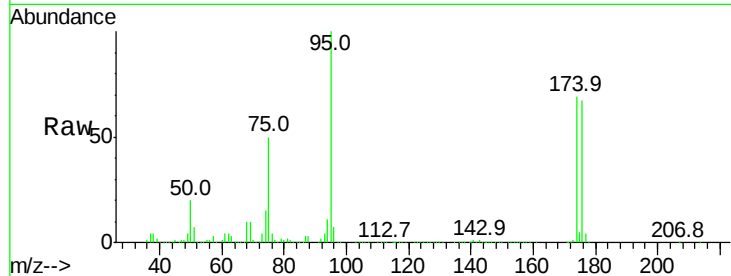
Ion 91.10 (90.80 to 91.80): VL0



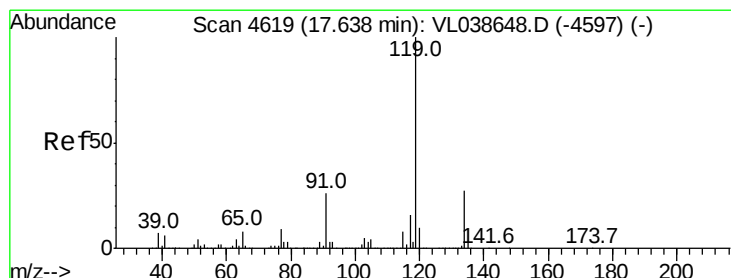
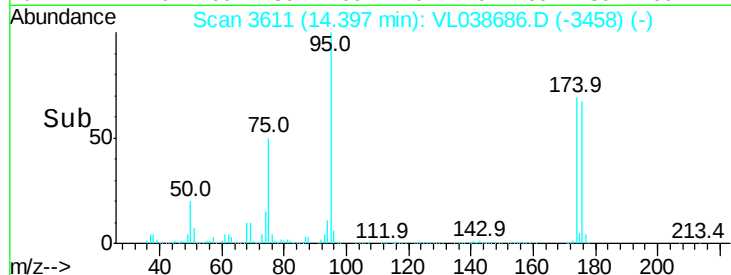
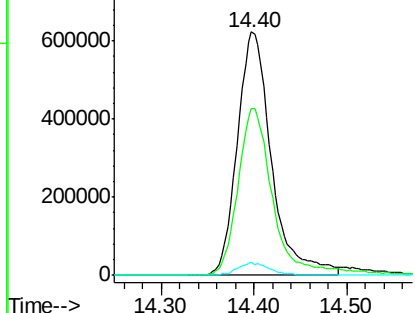


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.92 ppbv
 RT: 14.40 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Mar 2022 16:14

Tgt Ion: 95 Resp: 1596905
 Ion Ratio Lower Upper
 95 100
 174 71.4 56.1 84.1
 175 5.2 4.2 6.2

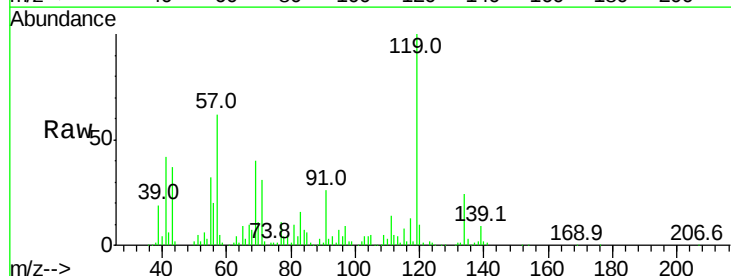


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

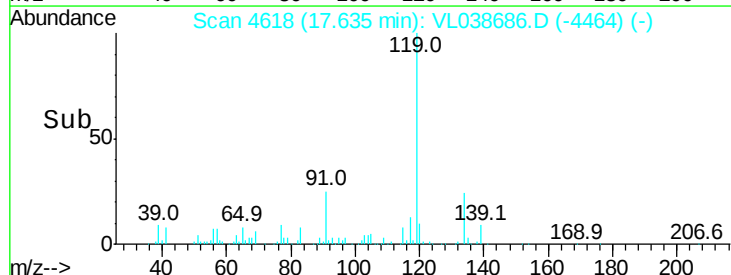
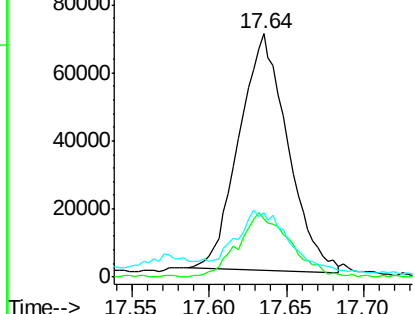


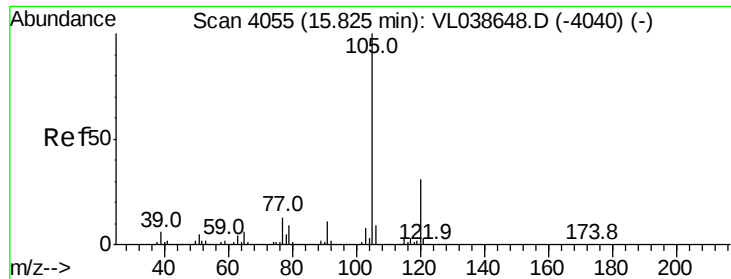
#69
 p-Isopropyltoluene
 Concen: 0.48 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. -0.00 min
 Lab File: VL038686.D
 Acq: 22 Mar 2022 16:14

Tgt Ion: 119 Resp: 152843
 Ion Ratio Lower Upper
 119 100
 134 29.4 21.2 31.8
 91 31.6 21.4 32.2



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





#72

4-Ethyltoluene

Concen: 0.04 ppbv

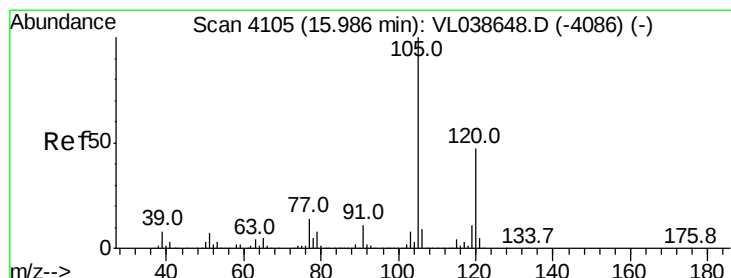
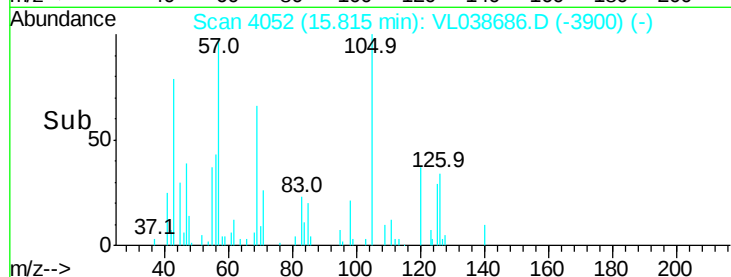
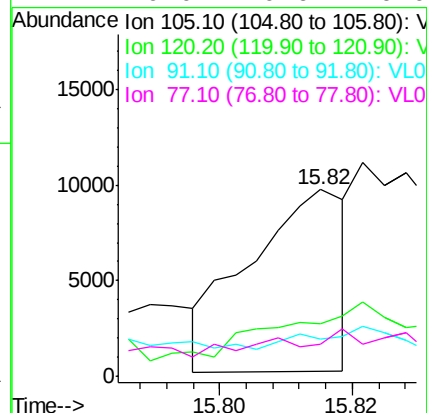
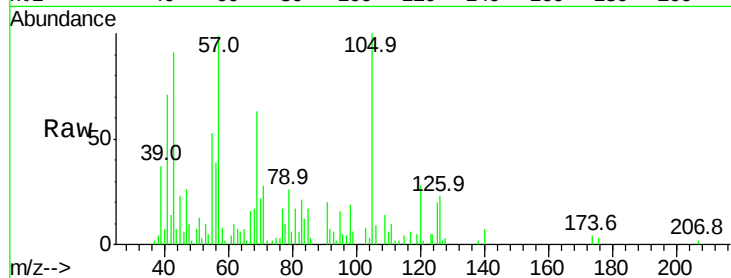
RT: 15.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Mar 2022 16:14

Tgt Ion:	105	Resp:	9679
Ion Ratio	Lower	Upper	
105	100		
120	0.0	24.9	37.3#
91	0.0	9.8	14.6#
77	0.0	10.6	16.0#



#73

1,3,5-Trimethylbenzene

Concen: 0.09 ppbv

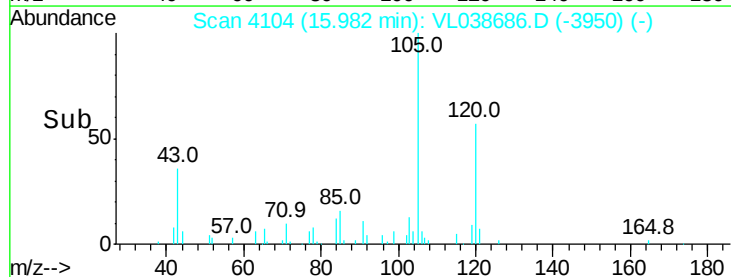
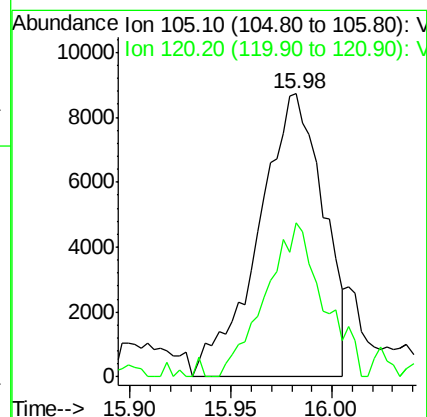
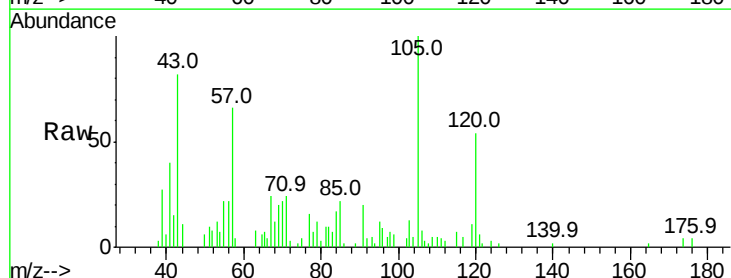
RT: 15.98 min Scan# 4104

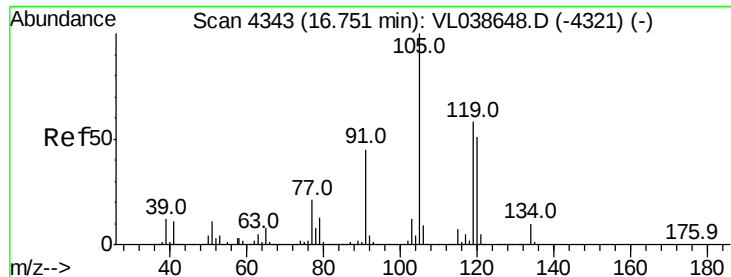
Delta R.T. -0.00 min

Lab File: VL038686.D

Acq: 22 Mar 2022 16:14

Tgt Ion:	105	Resp:	19491
Ion Ratio	Lower	Upper	
105	100		
120	60.8	37.6	56.4#





#74

1,2,4-Trimethylbenzene

Concen: 0.13 ppbv

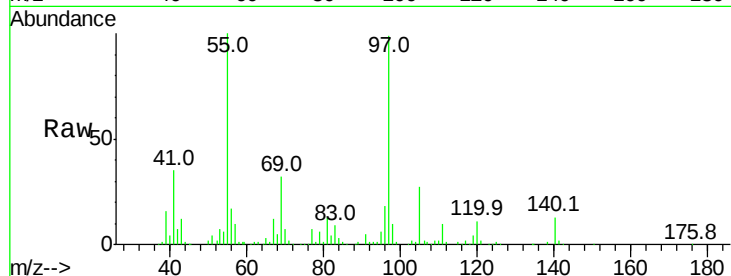
RT: 16.74

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 16:14

Tgt Ion:	105	Resp:	30139
Ion Ratio	Lower	Upper	
105	100		
120	40.6	40.5	60.7
91	10.8	35.9	53.9#
77	17.5	16.6	25.0

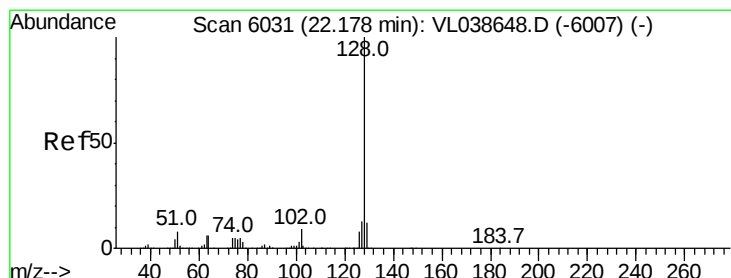
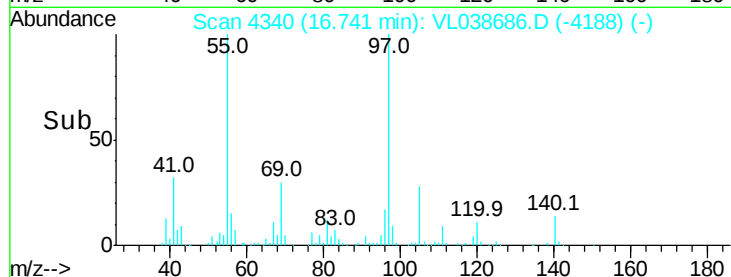
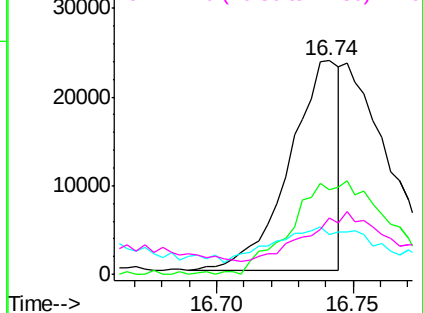


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.04 ppbv

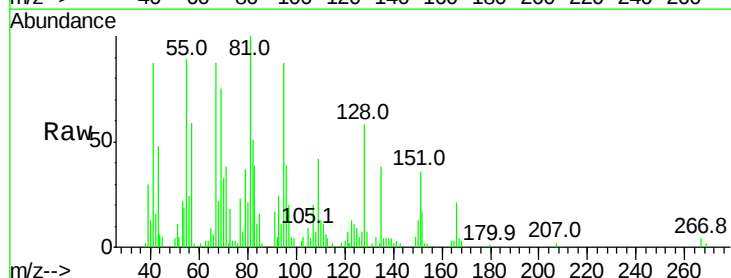
RT: 22.17 min Scan# 6028

Delta R.T. -0.01 min

Lab File: VL038686.D

Acq: 22 Mar 2022 16:14

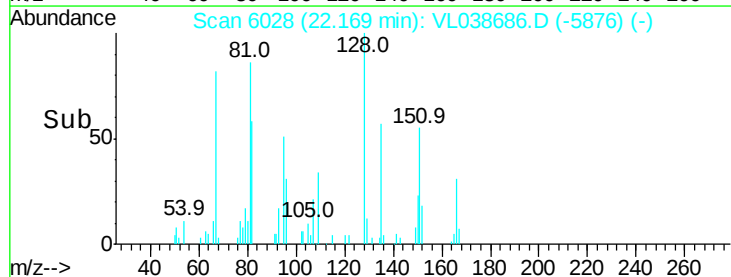
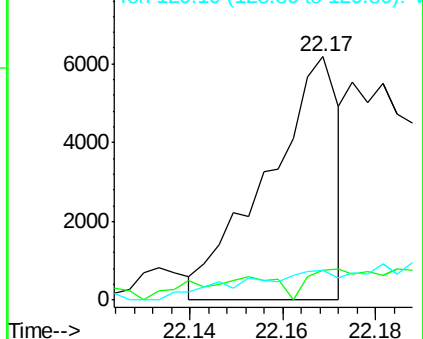
Tgt Ion:	128	Resp:	6589
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.2	15.4#
129	9.8	9.2	13.8

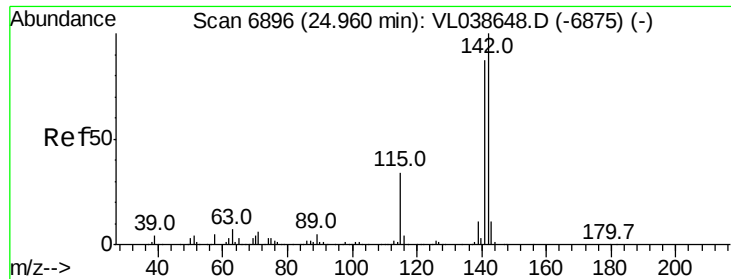


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.06 ppbv

RT: 24.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Mar 2022 18:14

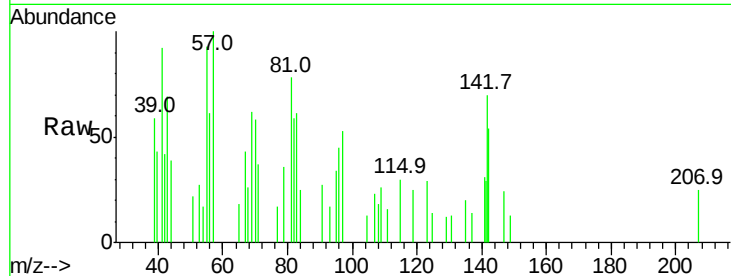
Tgt Ion: 142 Resp: 2845

Ion Ratio Lower Upper

142 100

141 85.2 66.4 99.6

115 54.8 27.8 41.6#



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

