

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
 Data File : VL038411.D
 Acq On : 23 Feb 2022 16:58
 Operator : SY/AP
 Sample : N1607-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MP-8

Quant Time: Feb 24 07:27:40 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	874397	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	2347254	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.08	117	2148496	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1698813	9.56	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	17973	0.13	ppbv	97
3) Chlorodifluoromethane	3.03	51	1762132	11.41	ppbv #	59
4) Chloromethane	3.15	50	40721	0.76	ppbv	95
5) Vinyl Chloride	3.26	62	2120	0.04	ppbv #	59
6) Bromomethane	3.47	94	1700	0.06	ppbv #	26
7) Chloroethane	3.56	64	3149	0.17	ppbv	100
9) Propene	3.02	41	31081	0.61	ppbv #	81
10) Heptane	8.13	43	51231	0.41	ppbv #	28
11) Trichlorofluoromethane	3.95	101	38750	0.29	ppbv	84
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4956	0.05	ppbv #	45
13) Ethanol	3.61	45	1321983	259.84	ppbv	86
15) Acetone	3.85	43	4284767	57.62	ppbv	98
16) 1,3-Butadiene	3.31	39	182676	3.68	ppbv #	18
17) tert-Butyl alcohol	4.30	59	233243	3.14	ppbv	97
19) Isopropyl Alcohol	3.97	45	2633213	61.15	ppbv #	1
20) Methylene Chloride	4.35	84	176065	4.78	ppbv	96
21) Allyl Chloride	4.30	41	57967	0.92	ppbv #	60
23) Vinyl Acetate	5.06	43	1368363	13.89	ppbv #	1
24) 1,1-Dichloroethane	5.06	63	266815	3.01	ppbv #	89
25) Ethyl Acetate	5.69	43	172224	0.86	ppbv #	82
26) Hexane	5.70	57	234945	2.60	ppbv #	44
27) Carbon Disulfide	4.56	76	4411	0.04	ppbv #	49
29) Chloroform	5.76	83	31561	0.21	ppbv	97
30) Cyclohexane	7.14	84	31446	0.43	ppbv #	1
34) 2-Butanone	5.25	43	252151	3.42	ppbv	93
35) Carbon Tetrachloride	7.02	117	5622	0.03	ppbv #	48
36) Benzene	6.89	78	71302	0.35	ppbv	96
38) Trichloroethene	7.83	130	125672	1.67	ppbv	93
39) 1,2-Dichloropropane	7.18	63	575004	6.99	ppbv #	24
40) 1,4-Dioxane	7.84	88	6542	0.34	ppbv #	1
41) Tetrahydrofuran	6.05	42	170607	3.42	ppbv	98
42) Bromodichloromethane	7.80	83	14871	0.09	ppbv #	41
44) 2,2,4-Trimethylpentane	7.87	57	968153	2.73	ppbv #	90
50) 4-Methyl-2-Pentanone	8.76	43	9730	0.07	ppbv #	1
51) 2-Hexanone	10.17	43	2872	0.05	ppbv #	1
53) Toluene	9.80	91	2209537	9.85	ppbv	99
58) Ethyl Benzene	12.71	91	383822	1.31	ppbv	96
59) m/p-Xylene	12.96	91	523210	2.07	ppbv	93
60) o-Xylene	13.69	91	259546	1.09	ppbv	97
61) Styrene	13.53	104	2470286	22.45	ppbv	98
62) Isopropylbenzene	14.66	105	112745	0.35	ppbv	100

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Instrument :
 MSVOA_L
 ClientSampleId :
 MP-8

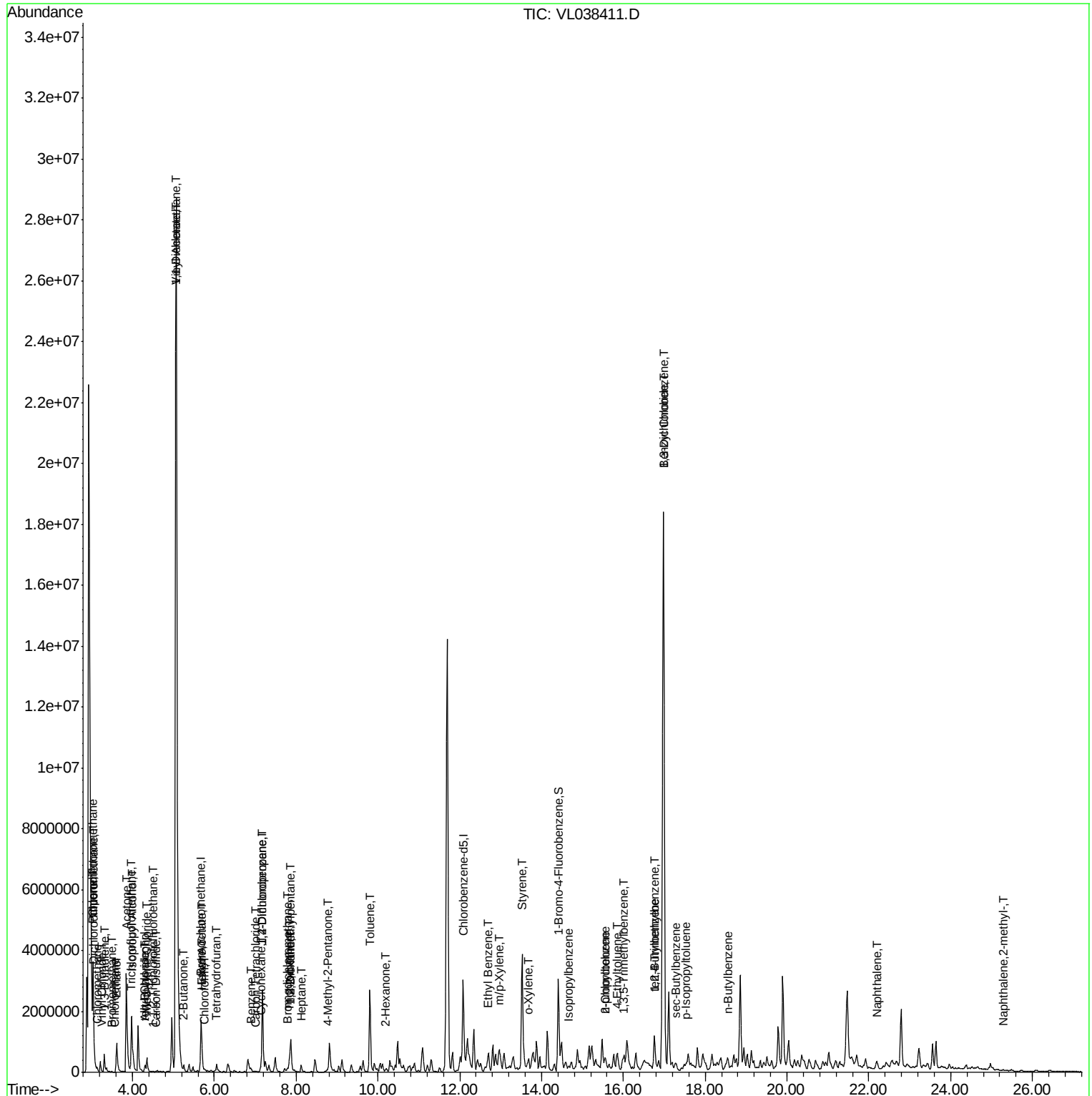
Quant Time: Feb 24 07:27:40 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

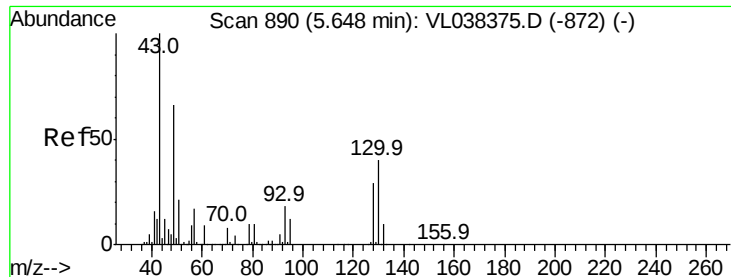
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.57	120	10164	0.13	ppbv #	1
65) tert-Butylbenzene	16.75	119	55390	0.20	ppbv #	25
66) Benzyl Chloride	16.99	91	1623	0.11	ppbv #	69
67) sec-Butylbenzene	17.29	105	94326	0.24	ppbv	98
69) p-Isopropyltoluene	17.53	119	87904	0.28	ppbv	95
70) n-Butylbenzene	18.55	91	178658	0.56	ppbv #	60
71) 2-Chlorotoluene	15.55	91	201121	0.82	ppbv #	51
72) 4-Ethyltoluene	15.83	105	202047	0.77	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	216872	0.91	ppbv	95
74) 1,2,4-Trimethylbenzene	16.75	105	700662	2.78	ppbv #	69
75) 1,3-Dichlorobenzene	16.99	146	7189	0.05	ppbv #	23
79) Naphthalene	22.19	128	83696	0.61	ppbv	97
80) Naphthalene,2-methyl-	25.28	142	13929	0.52	ppbv	95

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

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ALS Vial  : 1      Sample Multiplier: 1
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Quant Time: Feb 24 07:27:40 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-8

Acq: 23 Feb 2022 16:58

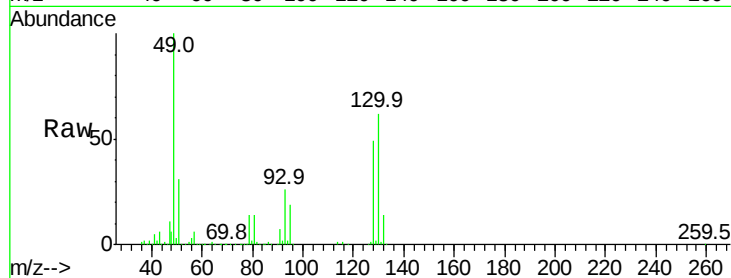
Tgt Ion: 49 Resp: 874397

Ion Ratio Lower Upper

49 100

128 50.2 24.3 72.9

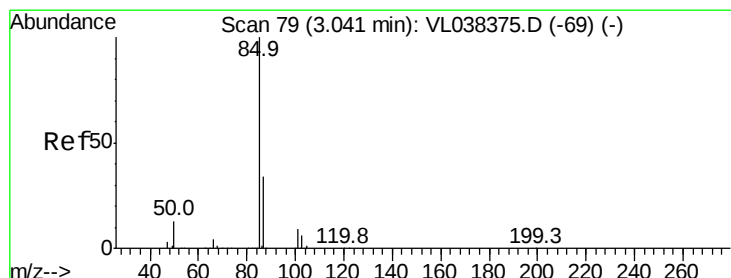
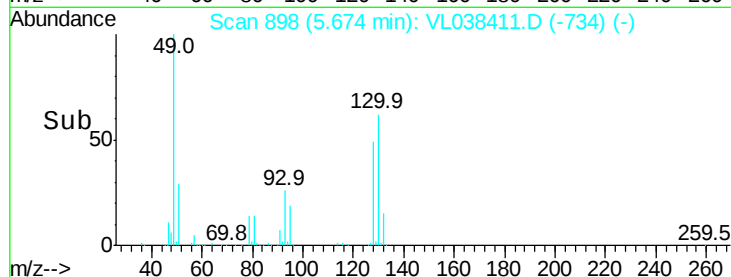
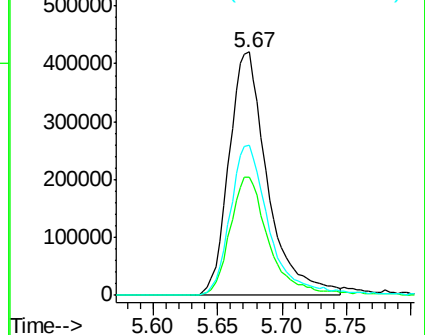
130 63.5 30.1 90.5



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: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL038411.D

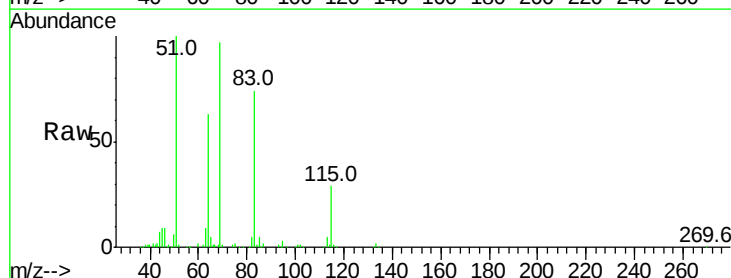
Acq: 23 Feb 2022 16:58

Tgt Ion: 85 Resp: 17973

Ion Ratio Lower Upper

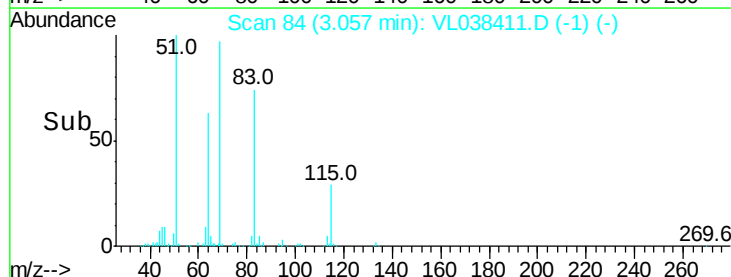
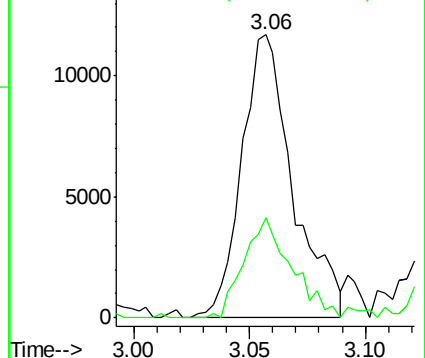
85 100

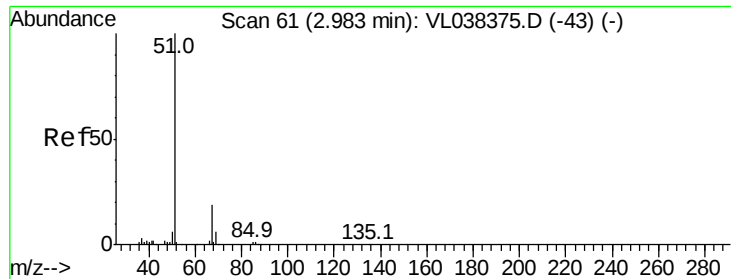
87 35.6 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.41 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

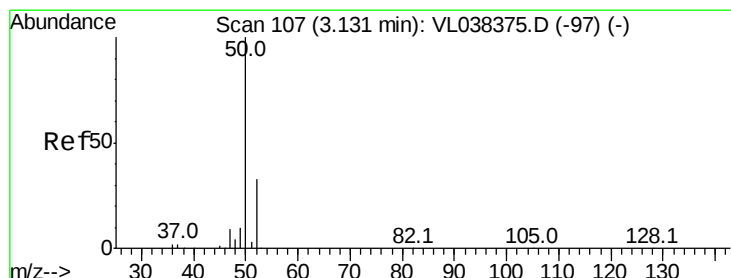
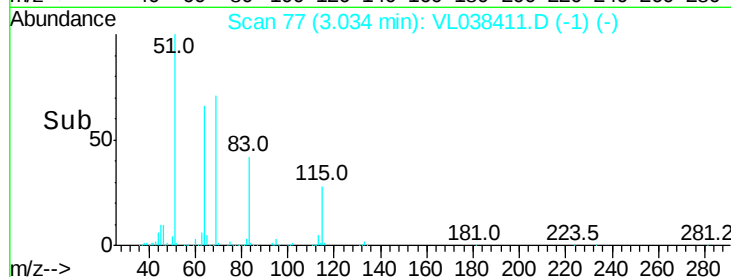
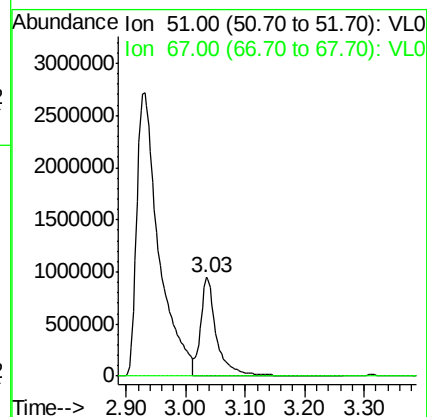
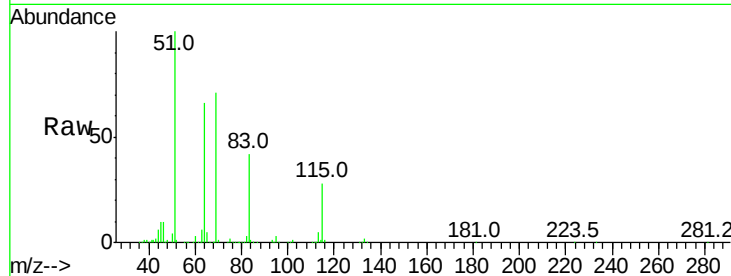
Acq: 23 Feb 2022 16:58 MP-8

Tgt Ion: 51 Resp: 1762132

Ion Ratio Lower Upper

51 100

67 0.3 14.7 22.1#



#4

Chloromethane

Concen: 0.76 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL038411.D

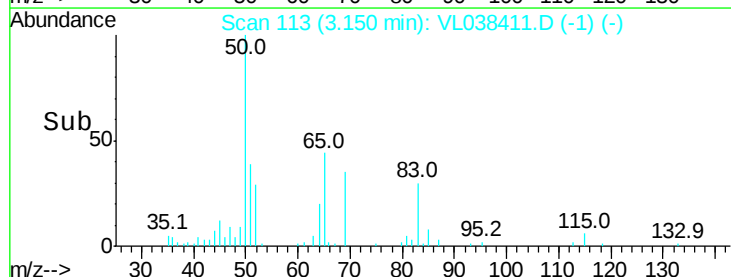
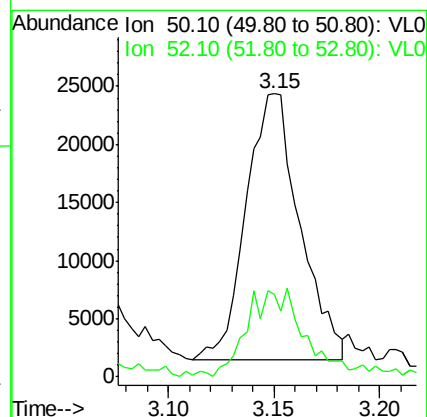
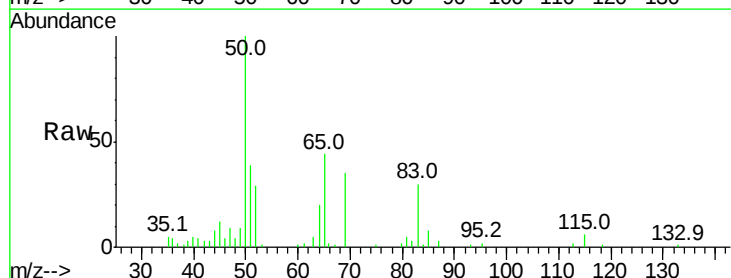
Acq: 23 Feb 2022 16:58

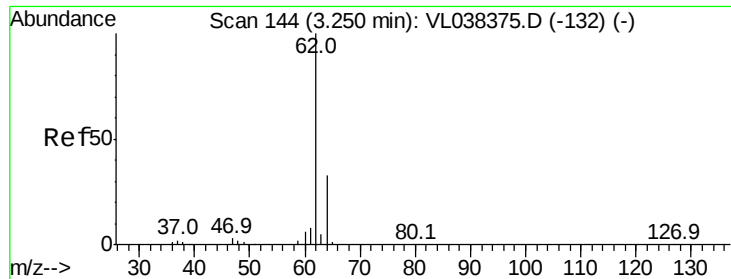
Tgt Ion: 50 Resp: 40721

Ion Ratio Lower Upper

50 100

52 30.4 26.5 39.7





#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-8

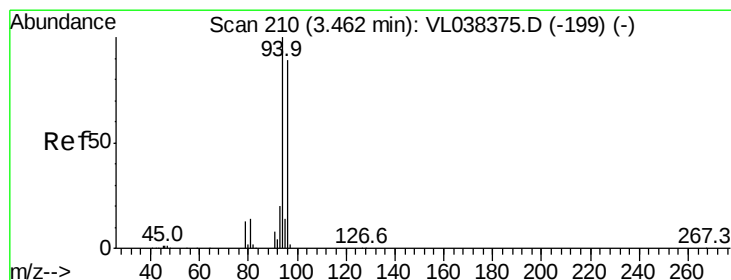
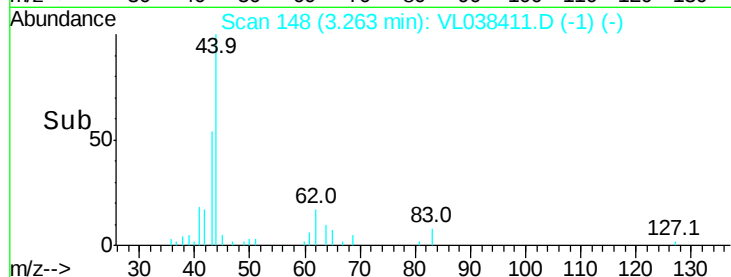
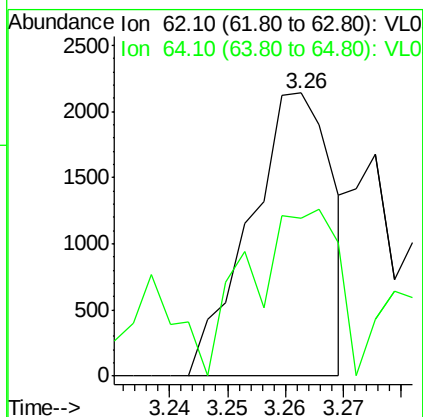
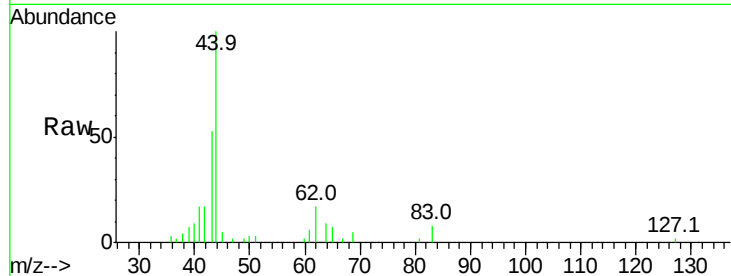
Acq: 23 Feb 2022 16:58

Tgt Ion: 62 Resp: 2120

Ion Ratio Lower Upper

62 100

64 9.7 26.2 39.2#



#6

Bromomethane

Concen: 0.06 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL038411.D

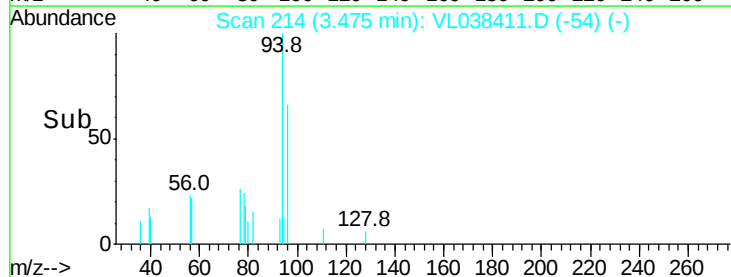
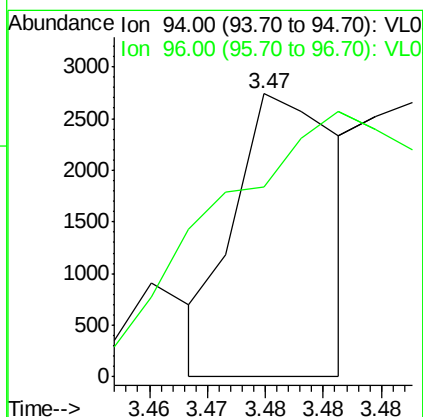
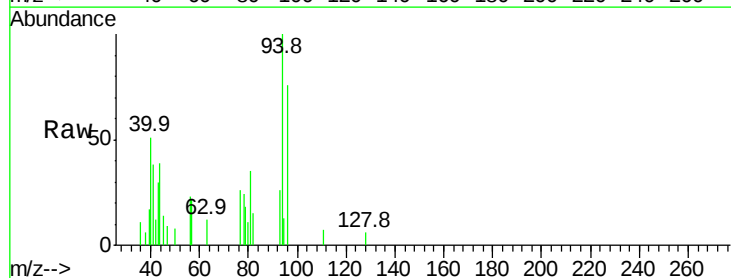
Acq: 23 Feb 2022 16:58

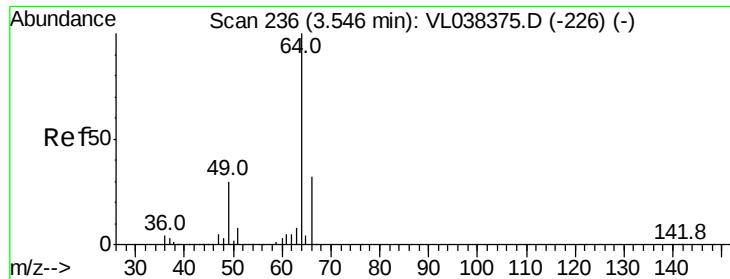
Tgt Ion: 94 Resp: 1700

Ion Ratio Lower Upper

94 100

96 20.0 71.0 106.6#





#7

Chloroethane

Concen: 0.17 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-8

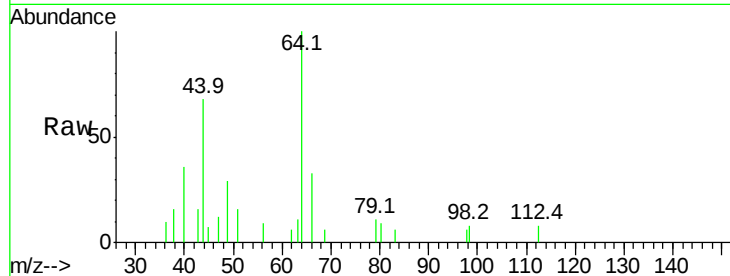
Acq: 23 Feb 2022 16:58

Tgt Ion: 64 Resp: 3149

Ion Ratio Lower Upper

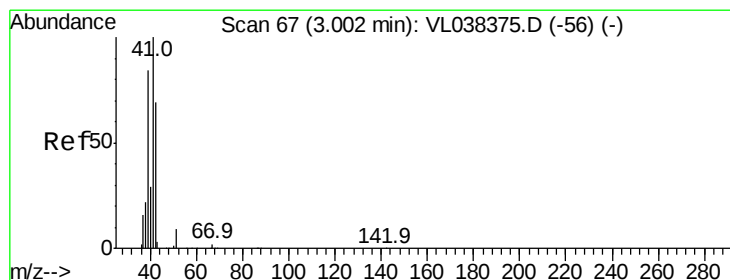
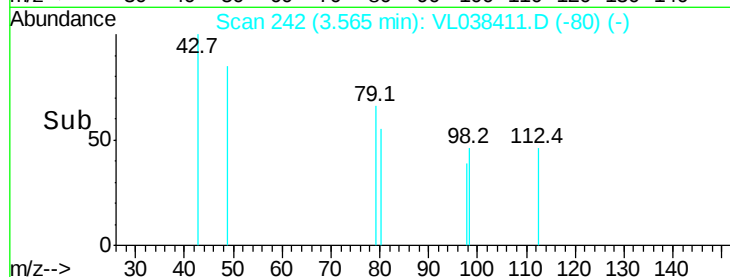
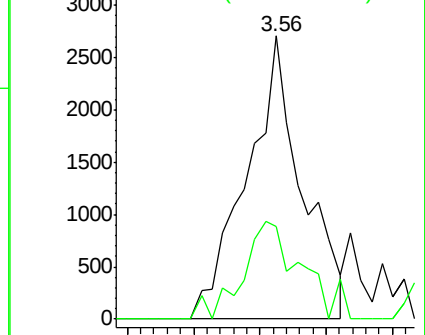
64 100

66 32.6 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 0.61 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL038411.D

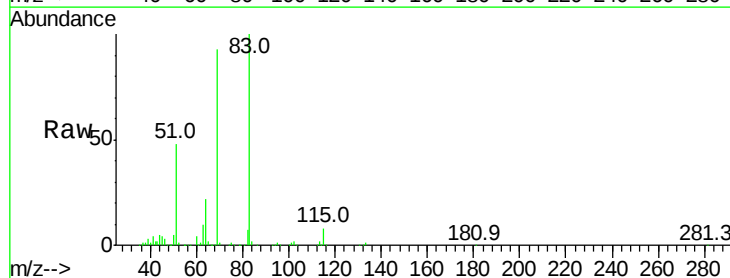
Acq: 23 Feb 2022 16:58

Tgt Ion: 41 Resp: 31081

Ion Ratio Lower Upper

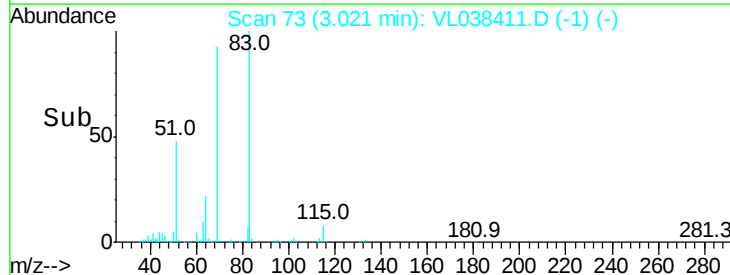
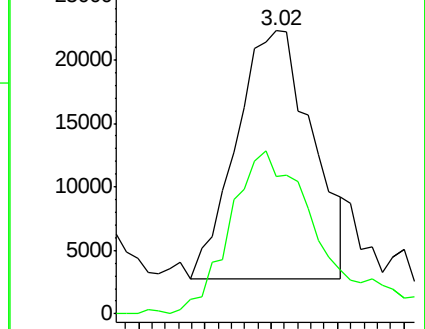
41 100

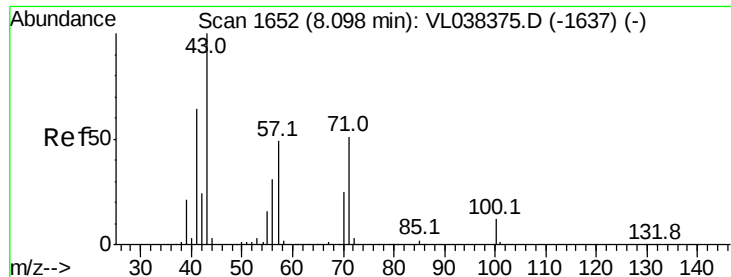
42 84.0 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.41 ppbv

RT: 8.13 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-8

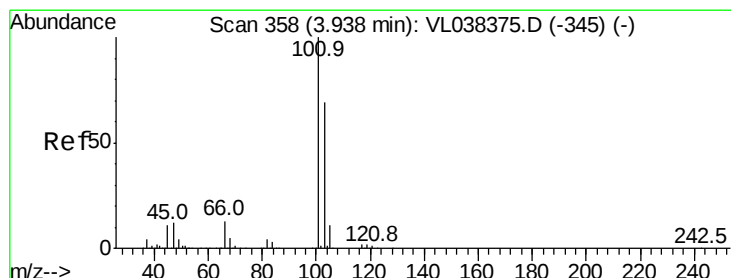
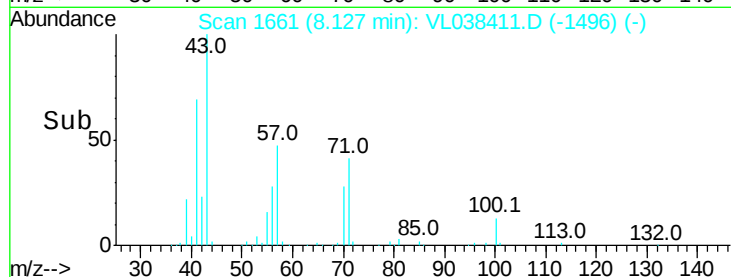
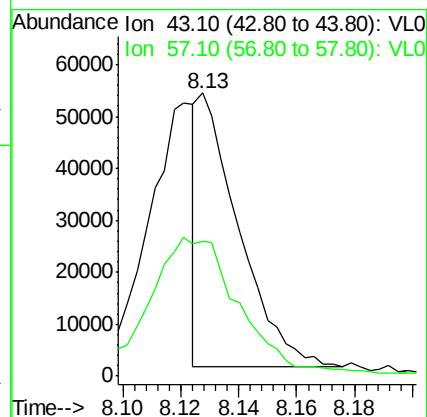
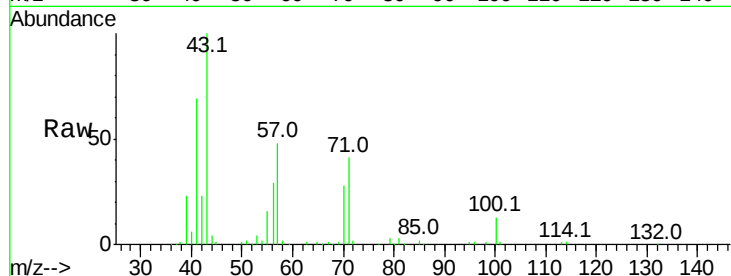
Acq: 23 Feb 2022 16:58

Tgt Ion: 43 Resp: 51231

Ion Ratio Lower Upper

43 100

57 0.0 39.8 59.8#



#11

Trichlorofluoromethane

Concen: 0.29 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.02 min

Lab File: VL038411.D

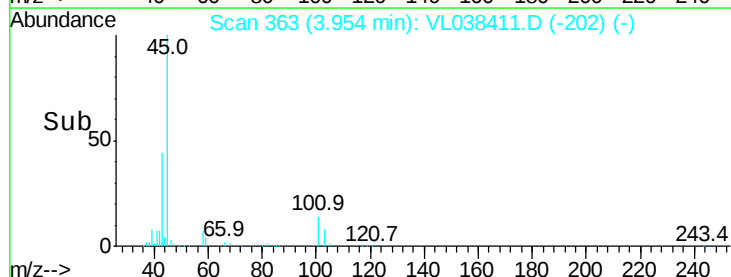
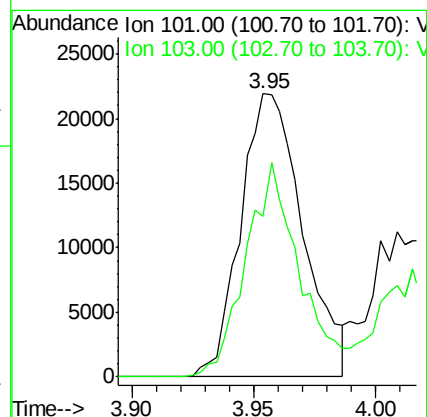
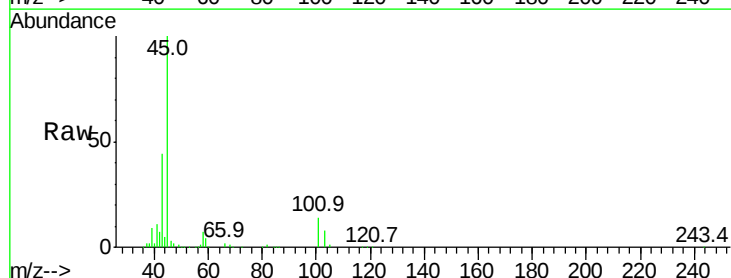
Acq: 23 Feb 2022 16:58

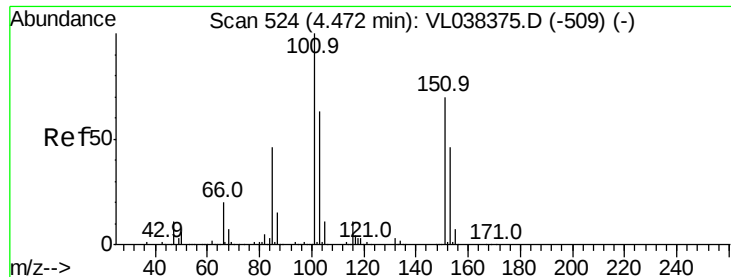
Tgt Ion: 101 Resp: 38750

Ion Ratio Lower Upper

101 100

103 56.1 55.0 82.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.05 ppbv

RT: 4.49 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

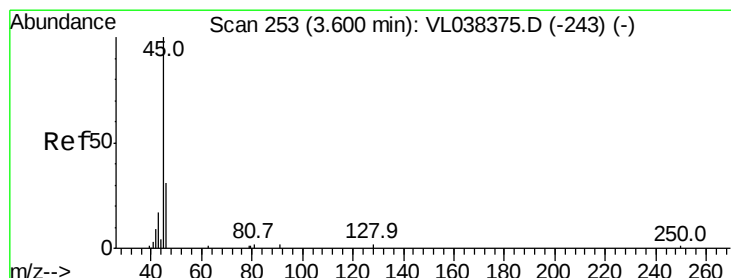
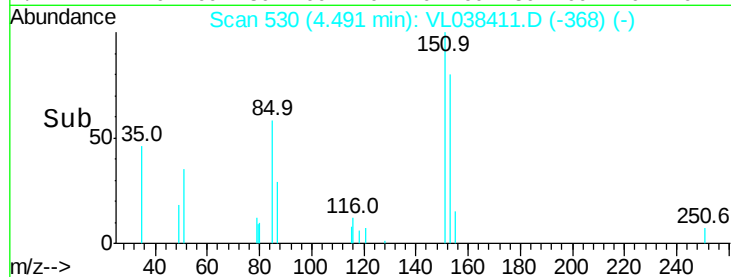
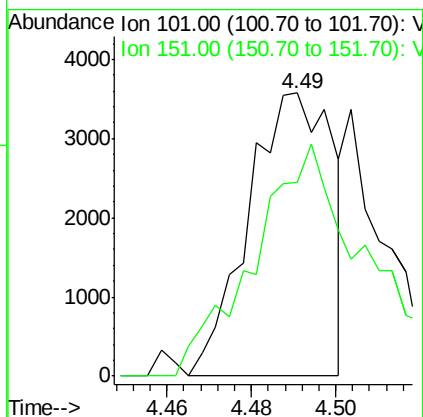
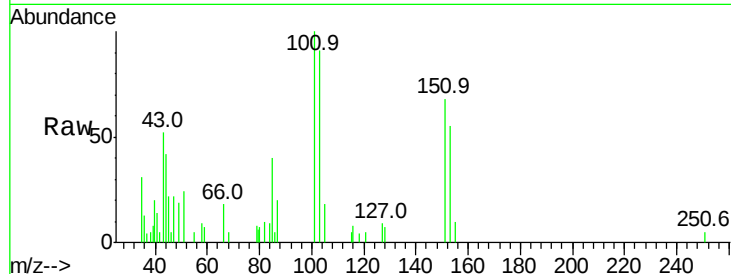
Acq: 23 Feb 2022 16:58 MP-8

Tgt Ion: 101 Resp: 4956

Ion Ratio Lower Upper

101 100

151 115.1 55.9 83.9#



#13

Ethanol

Concen: 259.84 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL038411.D

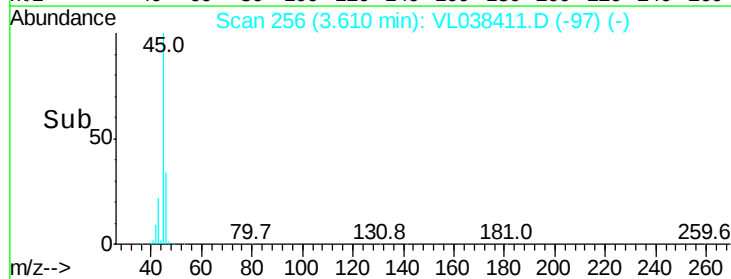
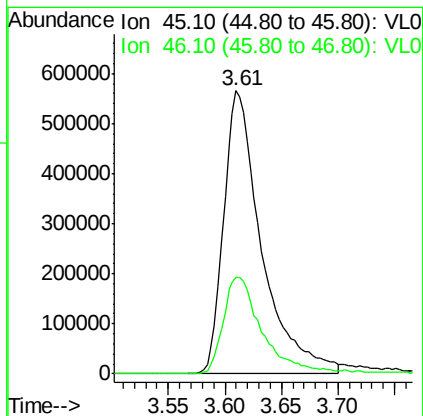
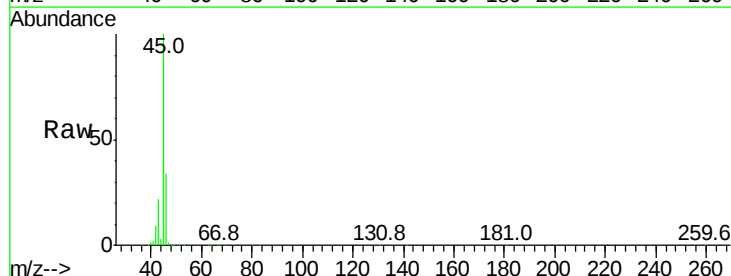
Acq: 23 Feb 2022 16:58

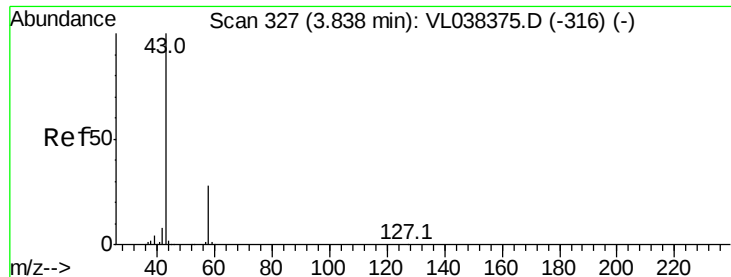
Tgt Ion: 45 Resp: 1321983

Ion Ratio Lower Upper

45 100

46 36.5 18.2 72.8





#15

Acetone

Concen: 57.62 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

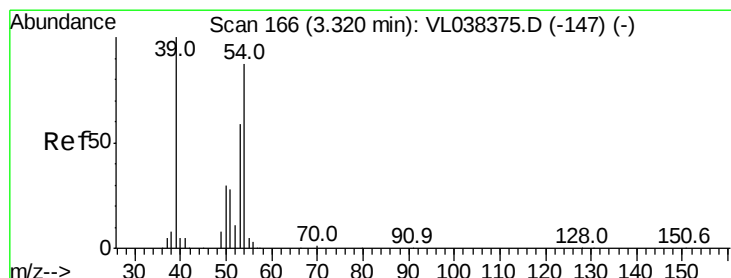
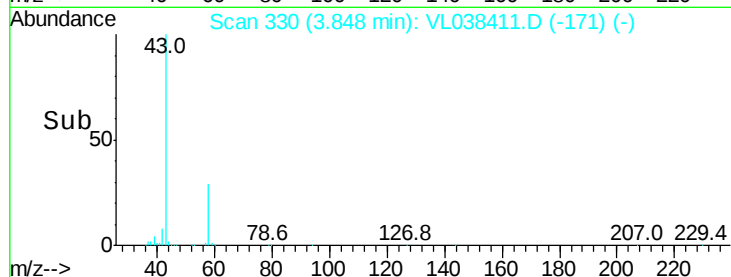
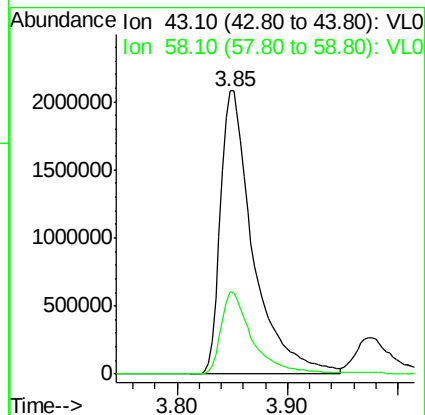
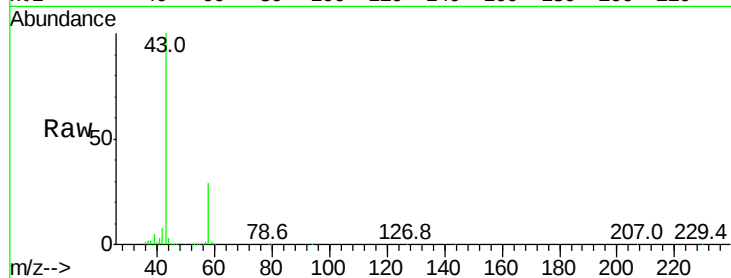
Acq: 23 Feb 2022 16:58

Tgt Ion: 43 Resp: 4284767

Ion Ratio Lower Upper

43 100

58 28.3 21.7 32.5



#16

1,3-Butadiene

Concen: 3.68 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL038411.D

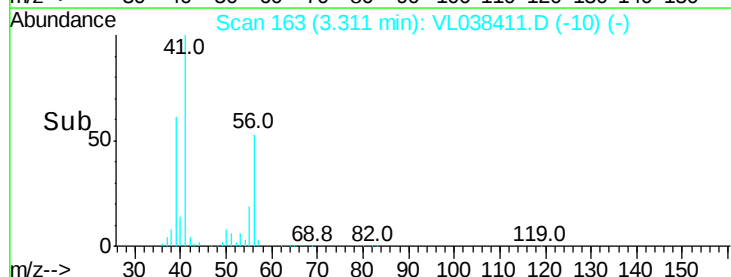
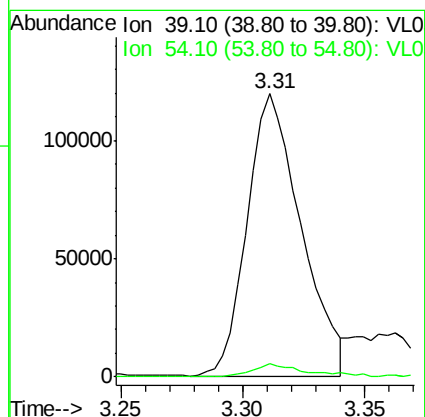
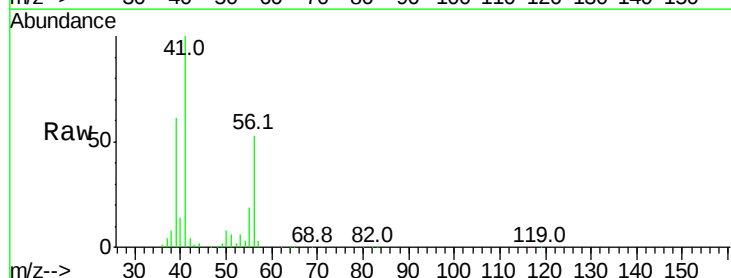
Acq: 23 Feb 2022 16:58

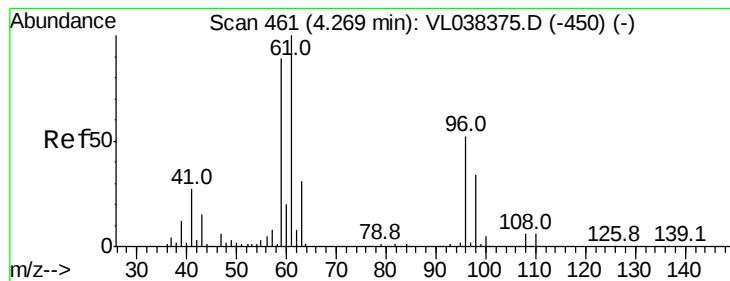
Tgt Ion: 39 Resp: 182676

Ion Ratio Lower Upper

39 100

54 5.0 60.3 90.5#





#17

tert-Butyl alcohol

Concen: 3.14 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

MP-8

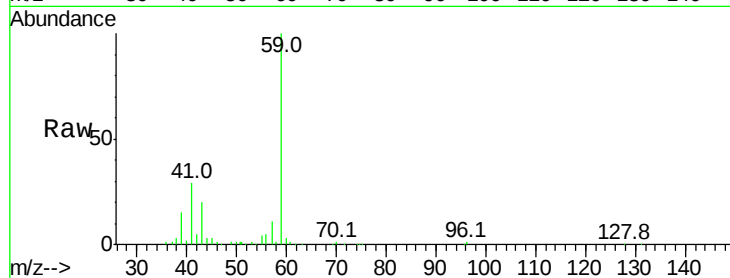
Acq: 23 Feb 2022 16:58

Tgt Ion: 59 Resp: 233243

Ion Ratio Lower Upper

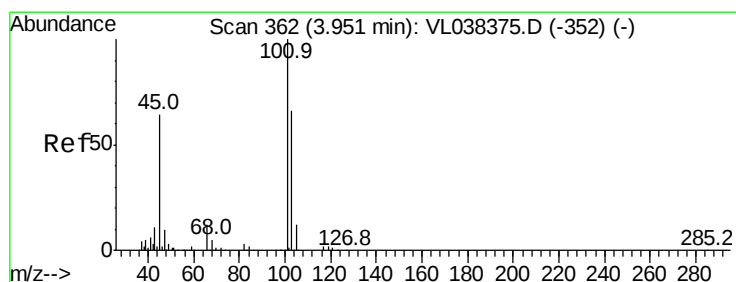
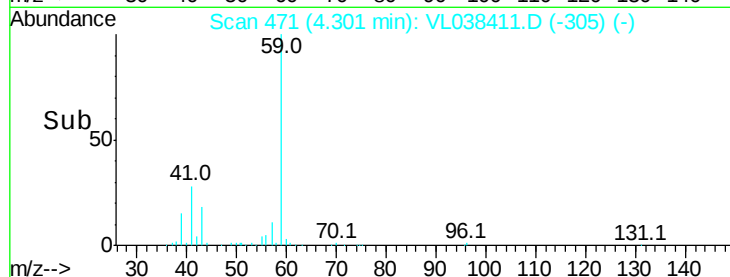
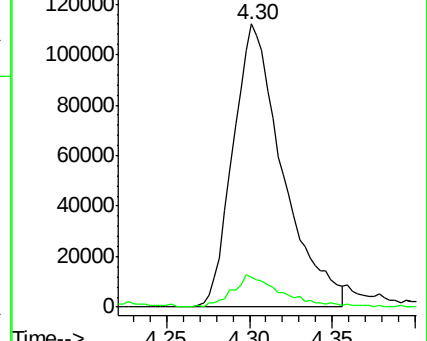
59 100

57 11.7 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 61.15 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL038411.D

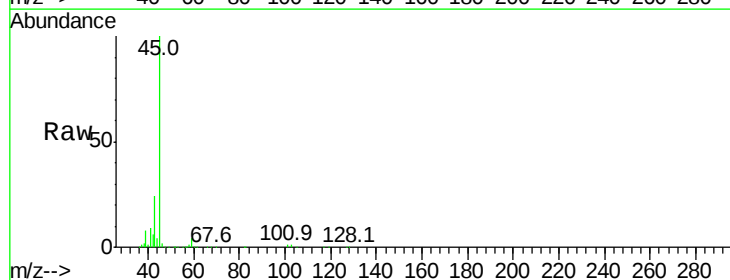
Acq: 23 Feb 2022 16:58

Tgt Ion: 45 Resp: 2633213

Ion Ratio Lower Upper

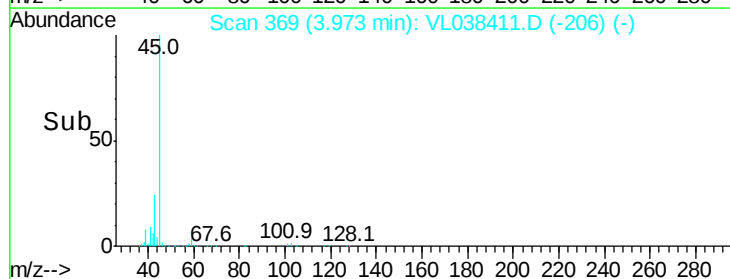
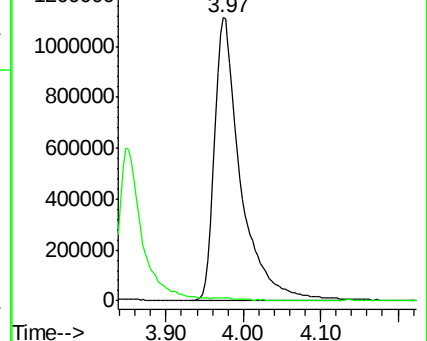
45 100

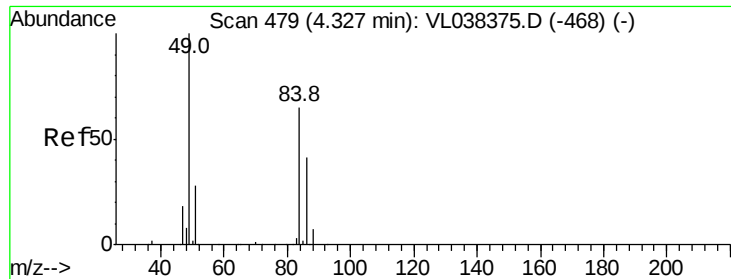
58 45.7 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

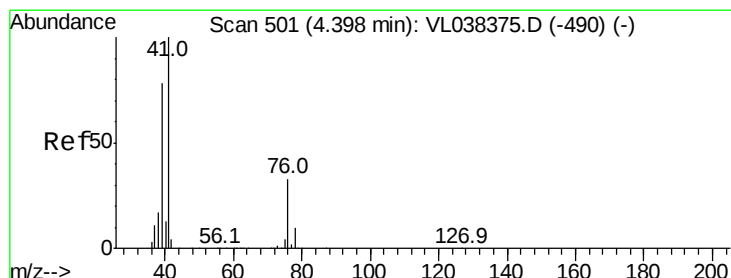
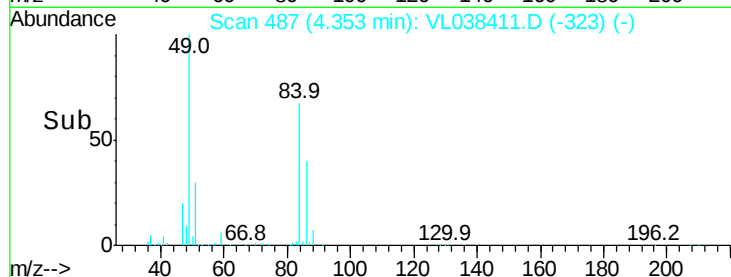
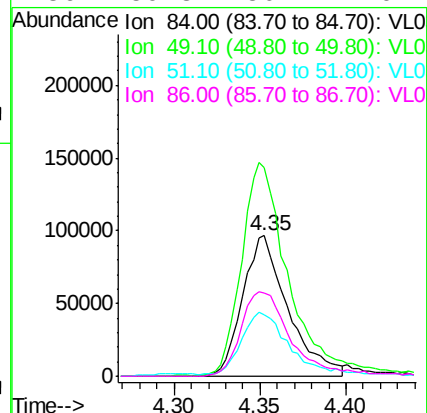
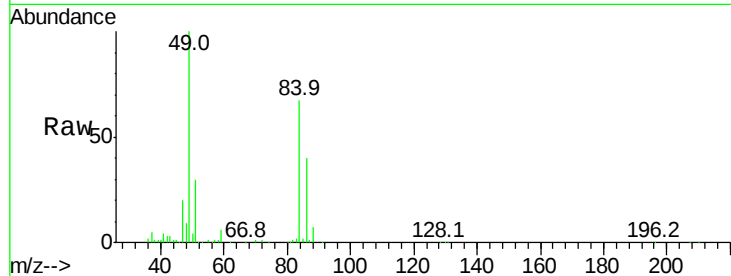
Ion 58.10 (57.80 to 58.80): VL0





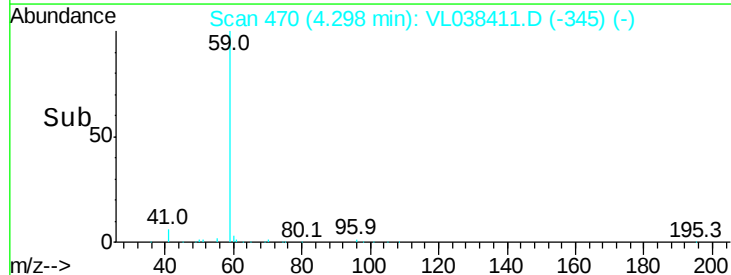
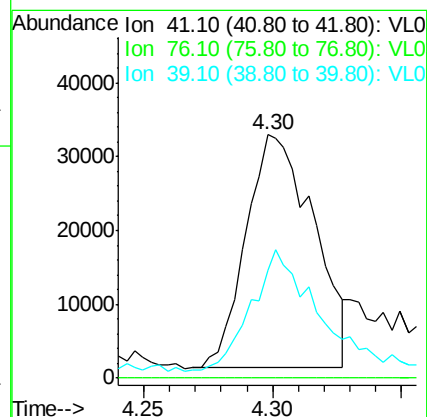
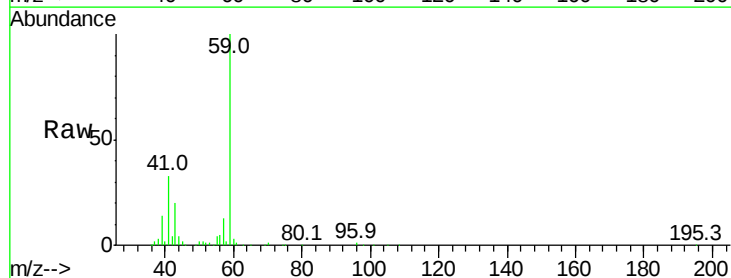
#20
Methylene Chloride
Concen: 4.78 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
MP-8
Acq: 23 Feb 2022 16:58

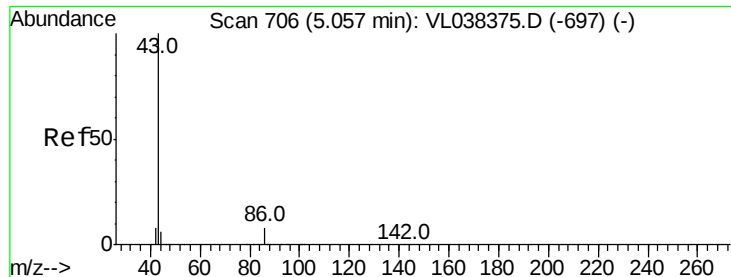
Tgt Ion: 84 Resp: 176065
Ion Ratio Lower Upper
84 100
49 148.3 122.4 183.6
51 42.3 33.3 49.9
86 59.3 50.7 76.1



#21
Allyl Chloride
Concen: 0.92 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.10 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

Tgt Ion: 41 Resp: 57967
Ion Ratio Lower Upper
41 100
76 0.0 25.4 38.0#
39 50.3 63.0 94.6#





#23

Vinyl Acetate

Concen: 13.89 ppbv

RT: 5.06 Instrument: MSVOA_1

Delta R.T. ClientSampleId :

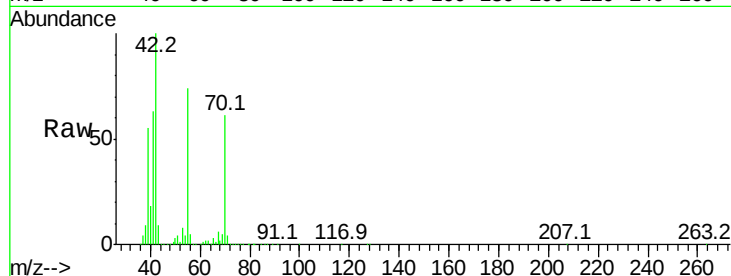
Lab File: MP-8

Acq: 23 Feb 2022 16:58

Tgt Ion: 43 Resp: 1368363

Ion Ratio Lower Upper

43	100		
86	0.5	5.8	8.6#
42	1078.9	7.4	11.0#
44	1.2	4.2	6.2#



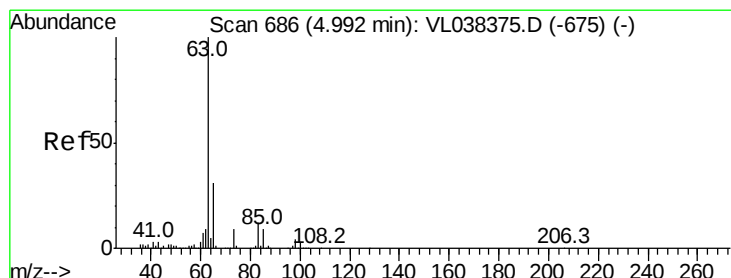
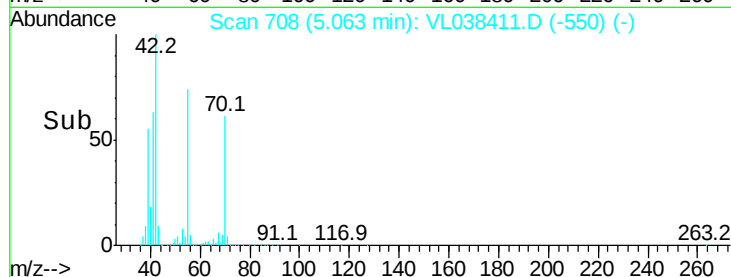
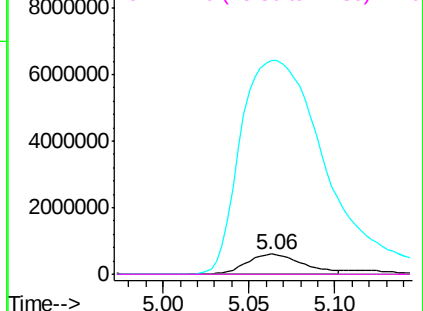
Abundance Ion 43.10 (42.80 to 43.80): VL0

1e+07

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



#24

1,1-Dichloroethane

Concen: 3.01 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.07 min

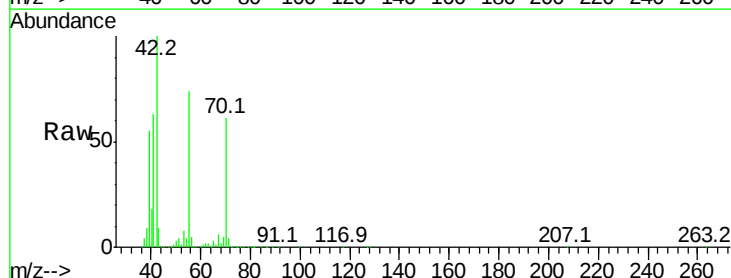
Lab File: VL038411.D

Acq: 23 Feb 2022 16:58

Tgt Ion: 63 Resp: 266815

Ion Ratio Lower Upper

63	100		
98	0.0	2.1	6.5#
100	0.0	1.4	4.2#

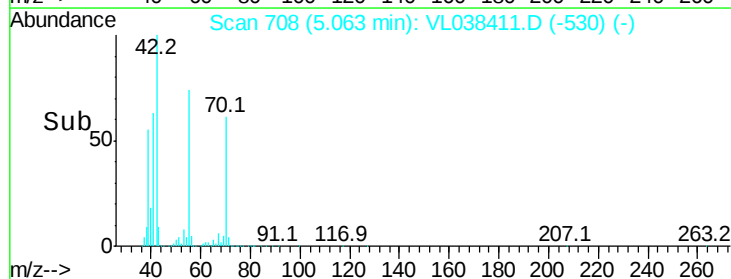
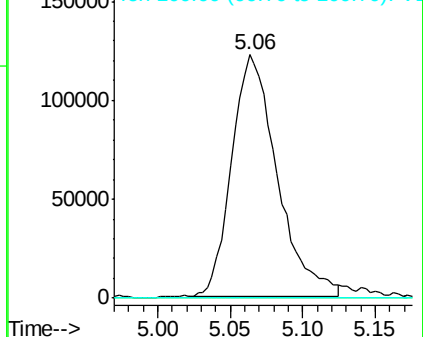


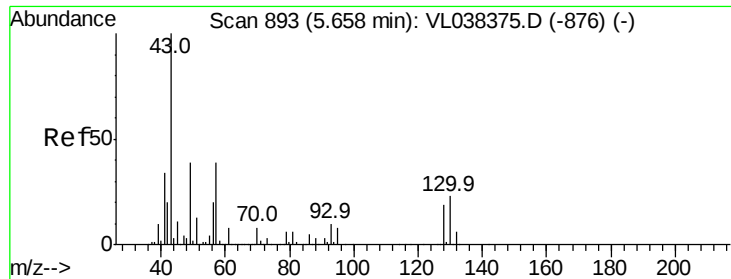
Abundance Ion 63.10 (62.80 to 63.80): VL0

150000

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.86 ppbv

RT: 5.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Feb 2022 16:58

Tgt Ion: 43 Resp: 172224

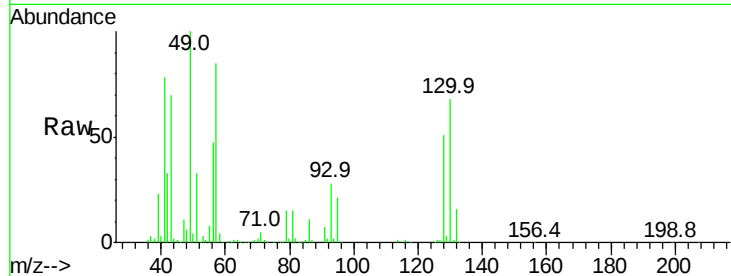
Ion Ratio Lower Upper

43 100

45 2.4 7.8 11.6#

61 1.5 7.5 11.3#

70 2.7 5.4 8.0#

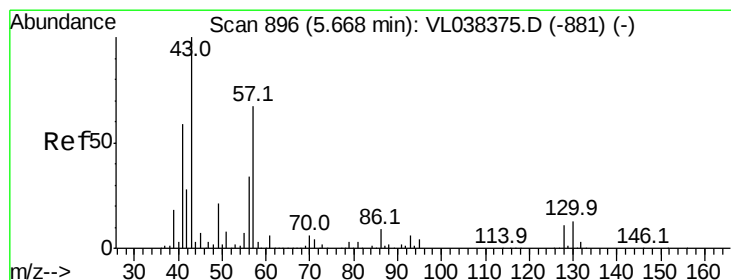
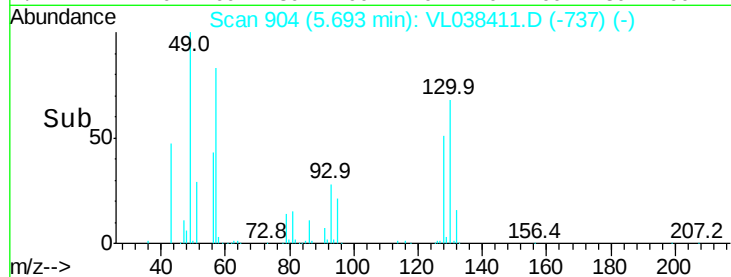
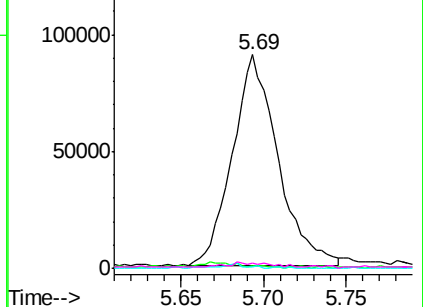


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.60 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.03 min

Lab File: VL038411.D

Acq: 23 Feb 2022 16:58

Tgt Ion: 57 Resp: 234945

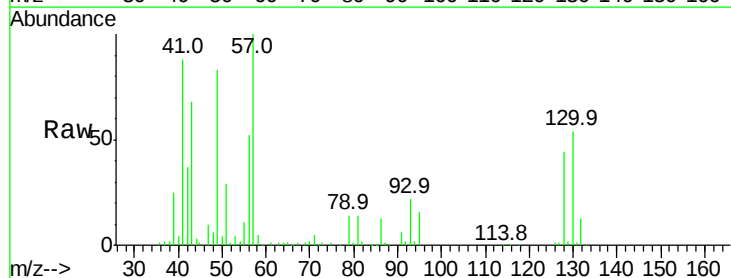
Ion Ratio Lower Upper

57 100

41 89.7 73.1 109.7

43 76.4 181.0 271.4#

56 54.6 43.4 65.0

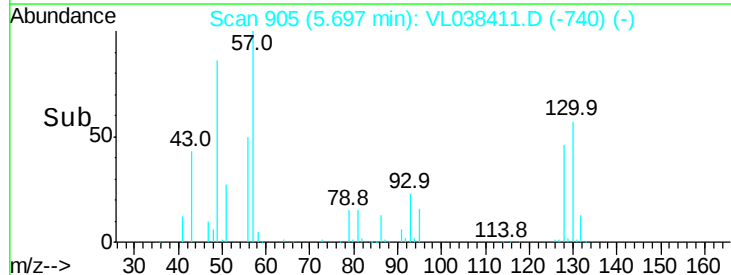
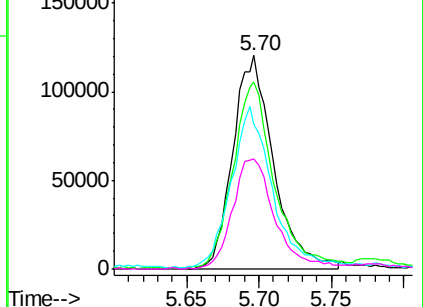


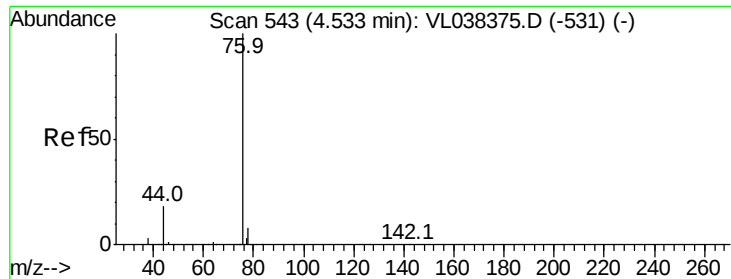
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.04 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-8

Acq: 23 Feb 2022 16:58

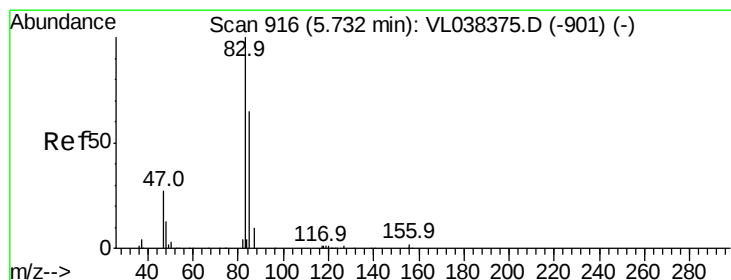
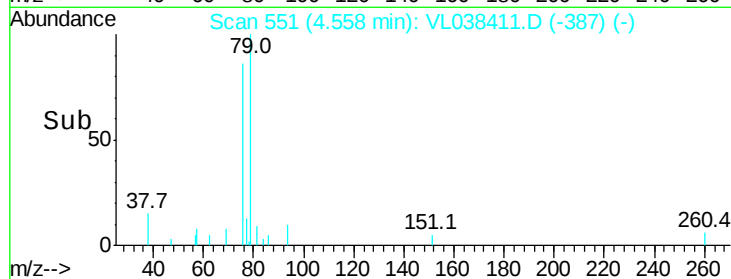
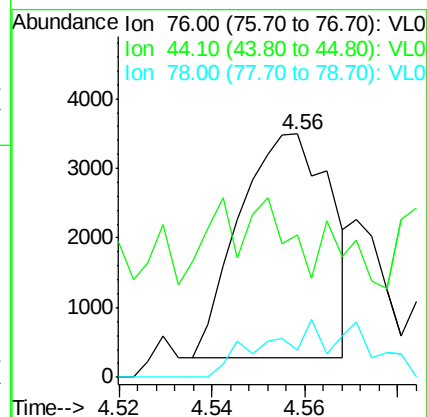
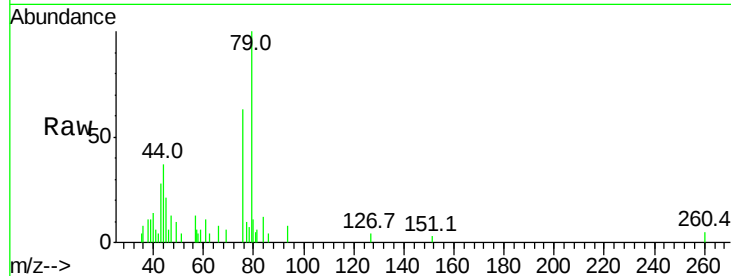
Tgt Ion: 76 Resp: 4411

Ion Ratio Lower Upper

76 100

44 37.1 14.2 21.2#

78 32.9 7.8 11.6#



#29

Chloroform

Concen: 0.21 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.03 min

Lab File: VL038411.D

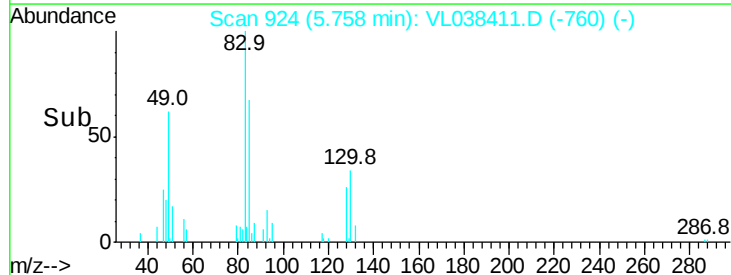
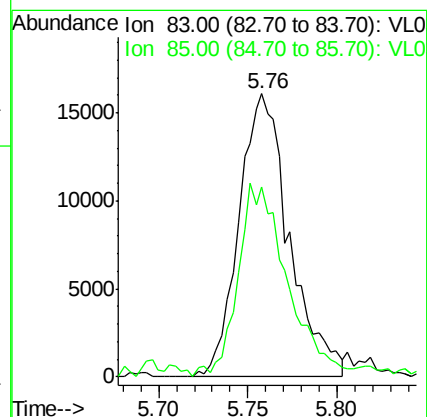
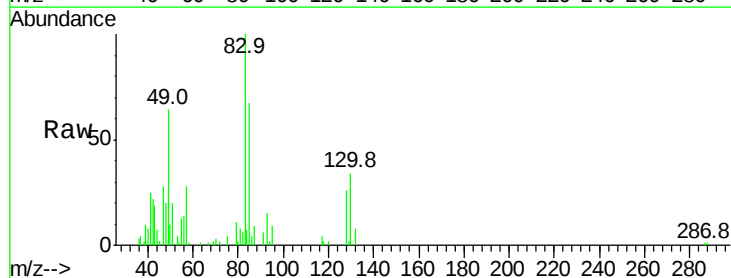
Acq: 23 Feb 2022 16:58

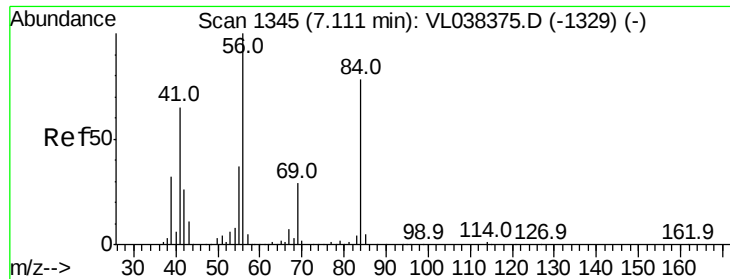
Tgt Ion: 83 Resp: 31561

Ion Ratio Lower Upper

83 100

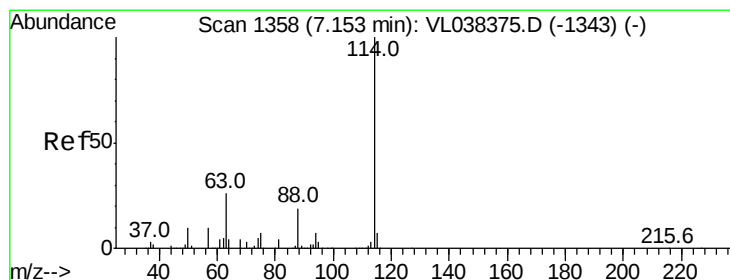
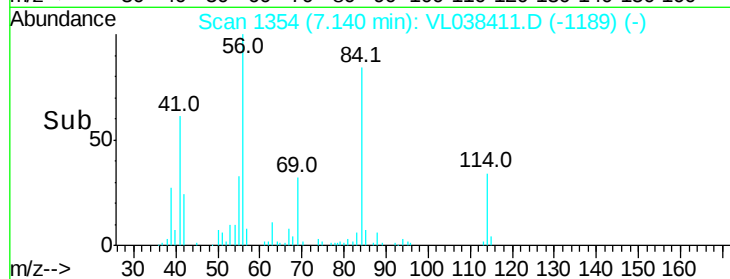
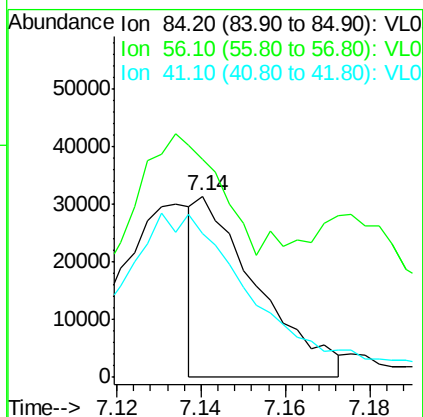
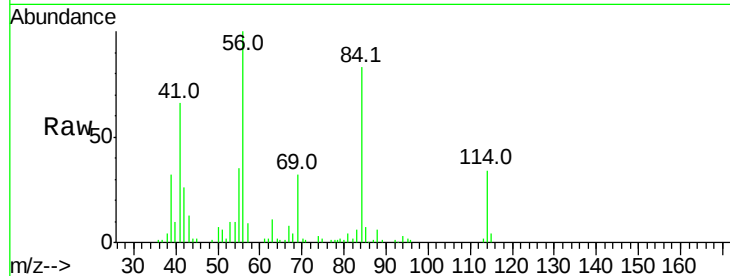
85 67.2 51.6 77.4





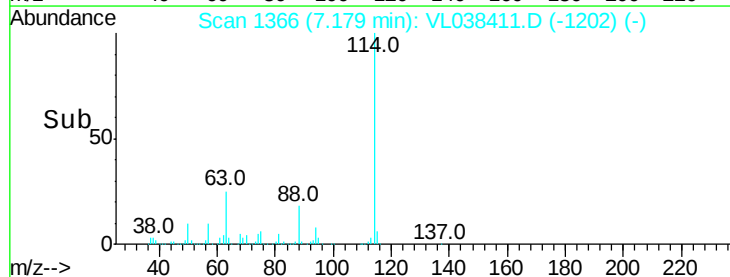
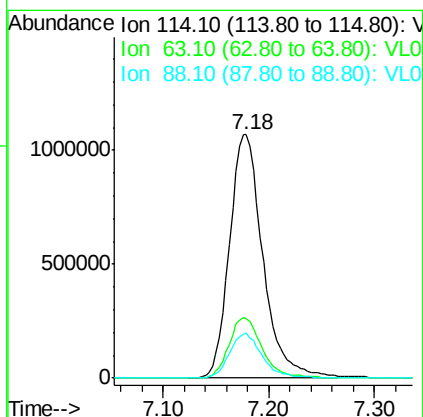
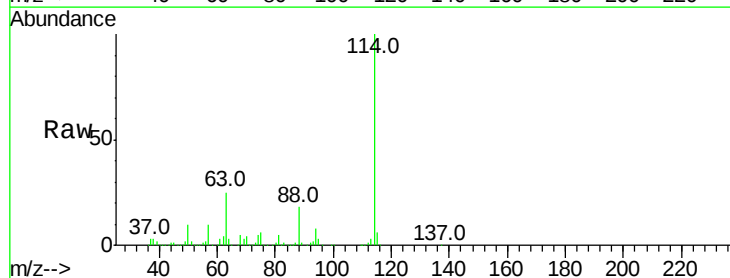
#30
Cyclohexane
Concen: 0.43 ppbv
RT: 7.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
MP-8
Acq: 23 Feb 2022 16:58

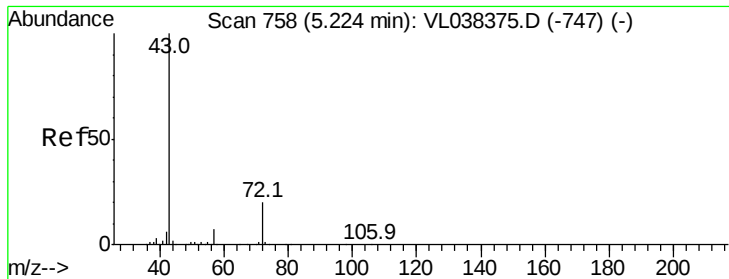
Tgt Ion: 84 Resp: 31446
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 0.0 74.3 111.5#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1366
Delta R.T.: 0.03 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

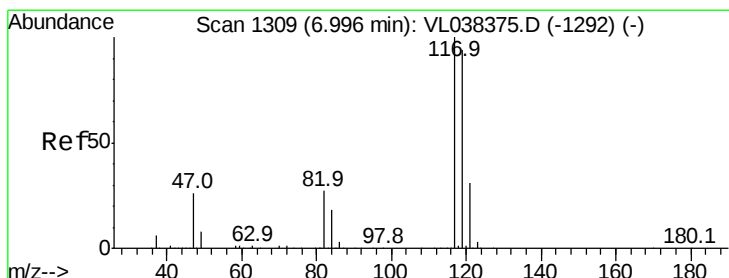
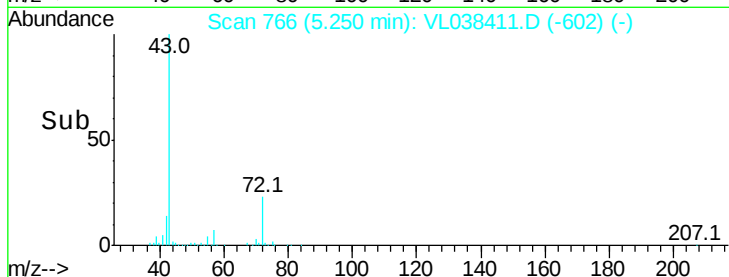
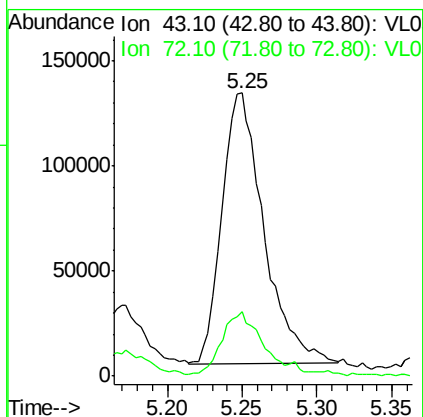
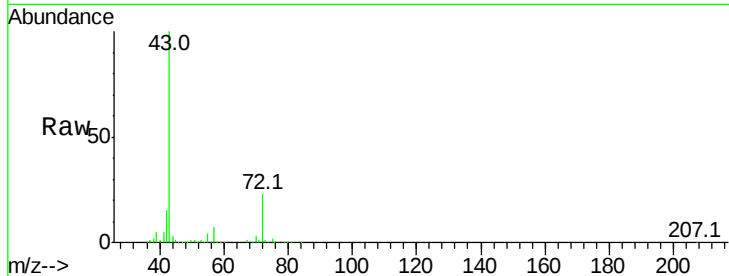
Tgt Ion: 114 Resp: 2347254
Ion Ratio Lower Upper
114 100
63 24.9 22.2 33.2
88 18.2 15.2 22.8





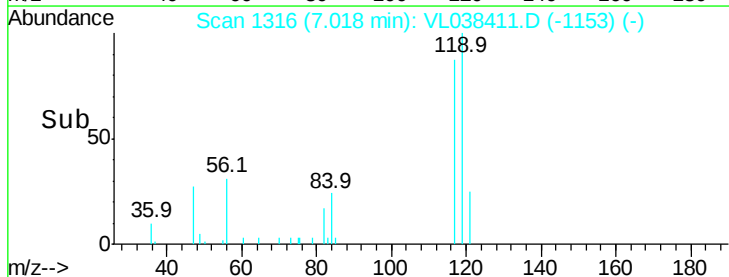
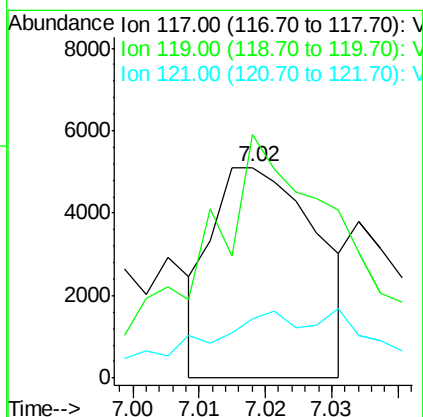
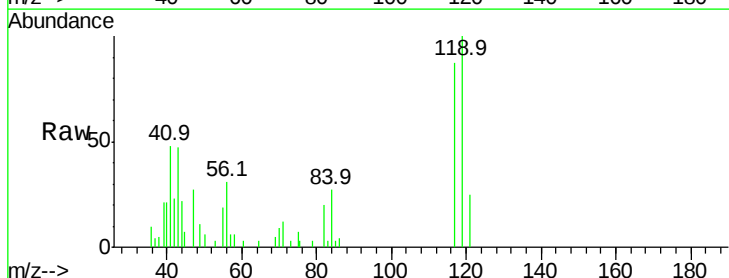
#34
2-Butanone
Concen: 3.42 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
MP-8
Acq: 23 Feb 2022 16:58

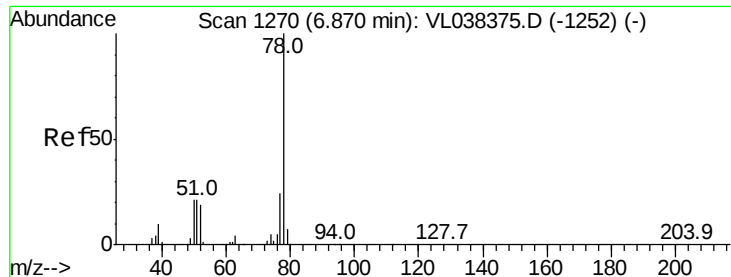
Tgt Ion: 43 Resp: 252151
Ion Ratio Lower Upper
43 100
72 25.2 17.4 26.2



#35
Carbon Tetrachloride
Concen: 0.03 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.02 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

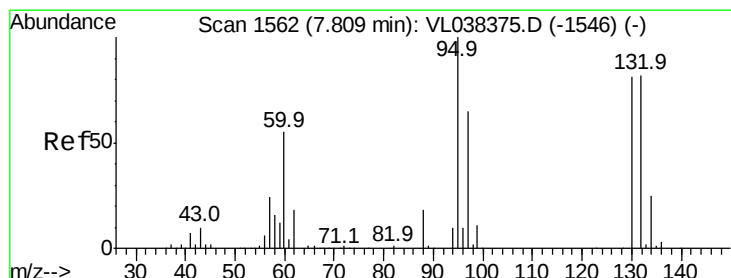
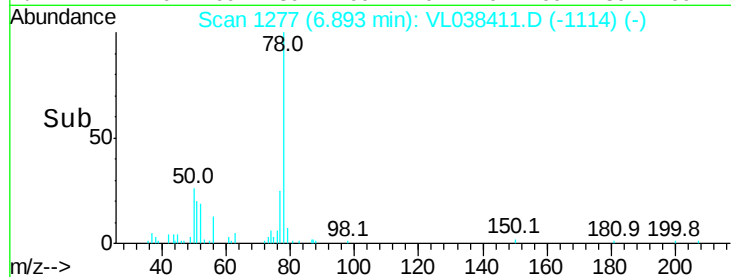
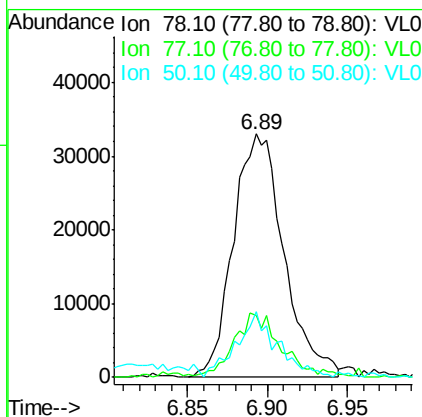
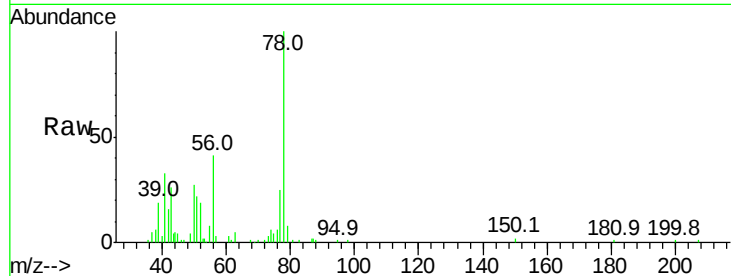
Tgt Ion: 117 Resp: 5622
Ion Ratio Lower Upper
117 100
119 151.6 74.9 112.3#
121 15.8 24.8 37.2#





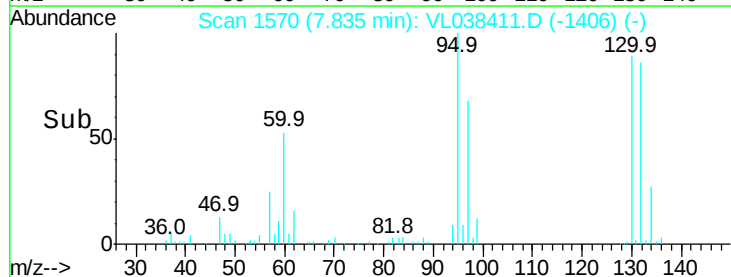
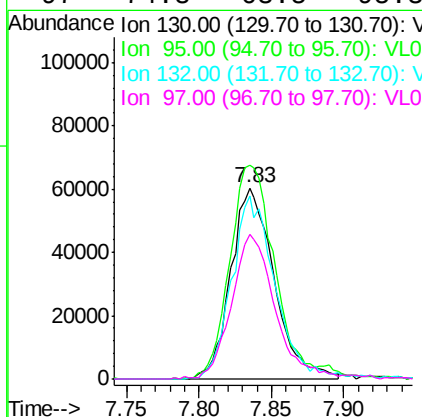
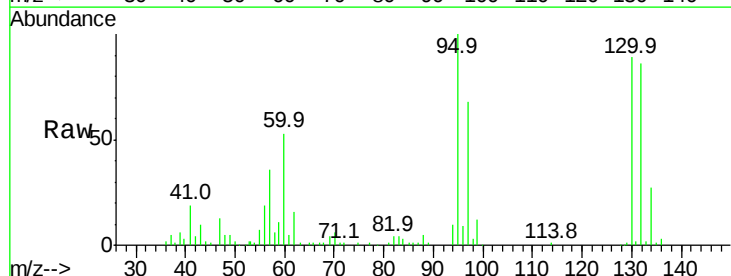
#36
Benzene
Concen: 0.35 ppbv
RT: 6.89
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Feb 2022 16:58

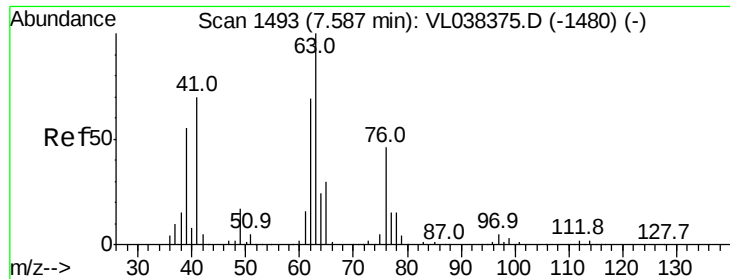
Tgt Ion:	78	Resp:	71302
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6
50	24.7	16.6	24.8



#38
Trichloroethene
Concen: 1.67 ppbv
RT: 7.83 min Scan# 1570
Delta R.T.: 0.03 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

Tgt Ion:	130	Resp:	125672
Ion	Ratio	Lower	Upper
130	100		
95	111.1	98.1	147.1
132	95.7	80.3	120.5
97	74.8	63.5	95.3





#39

1,2-Dichloropropane

Concen: 6.99 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

MP-8

Acq: 23 Feb 2022 16:58

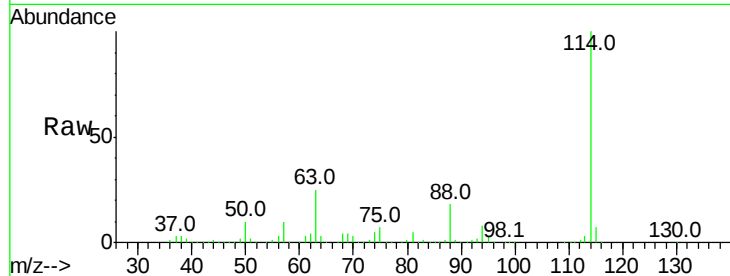
Tgt Ion: 63 Resp: 575004

Ion Ratio Lower Upper

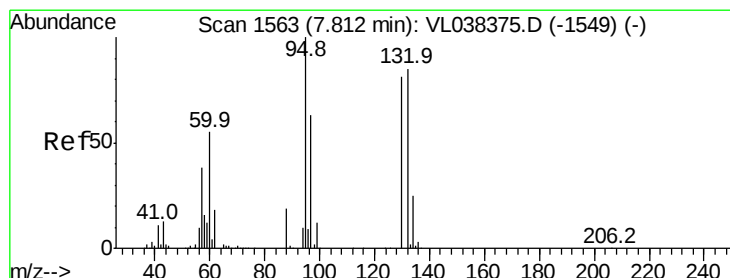
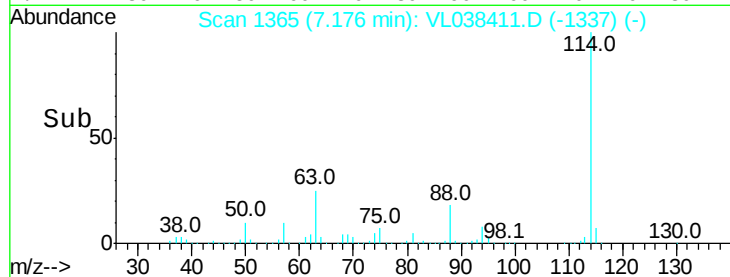
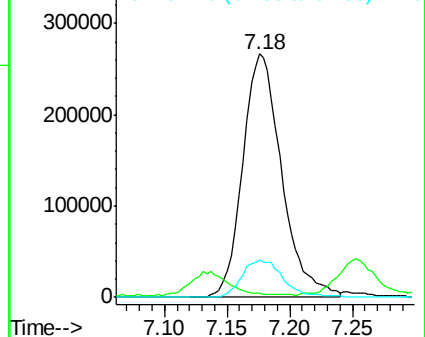
63 100

41 0.0 56.1 84.1#

62 15.5 55.5 83.3#



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



#40

1,4-Dioxane

Concen: 0.34 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.03 min

Lab File: VL038411.D

Acq: 23 Feb 2022 16:58

Tgt Ion: 88 Resp: 6542

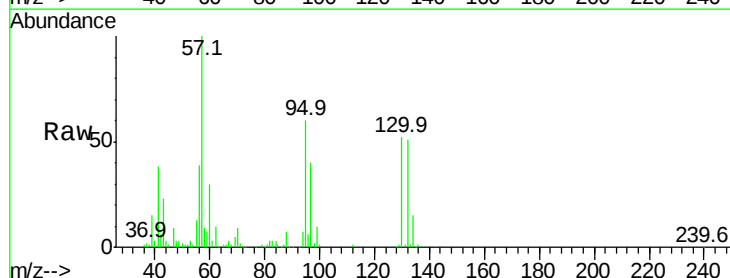
Ion Ratio Lower Upper

88 100

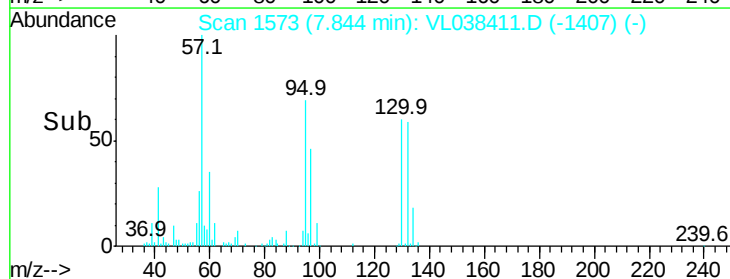
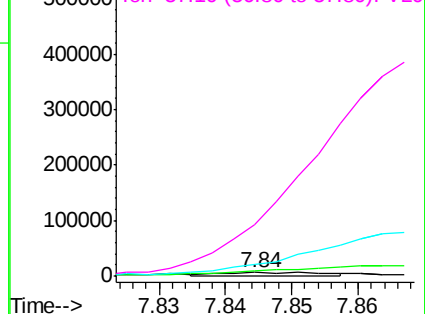
58 0.0 133.2 199.8#

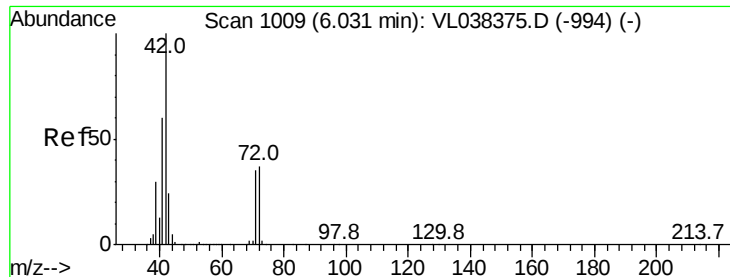
43 0.0 330.6 496.0#

57 0.0 1462.7 2194.1#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 3.42 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-8

Acq: 23 Feb 2022 16:58

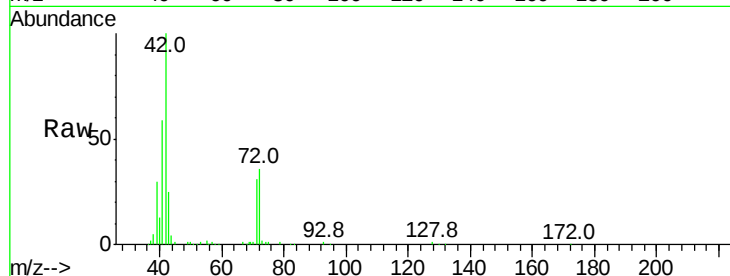
Tgt Ion: 42 Resp: 170607

Ion Ratio Lower Upper

42 100

72 38.5 29.9 44.9

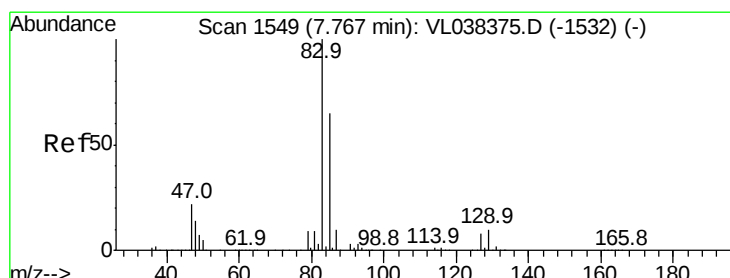
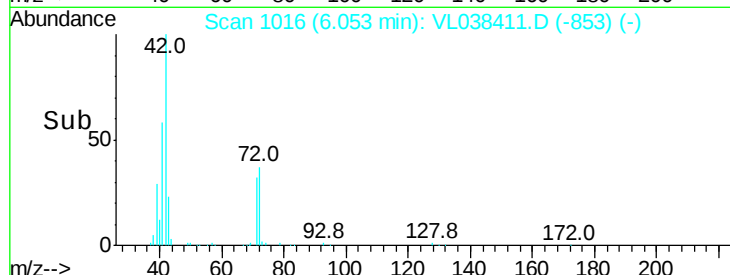
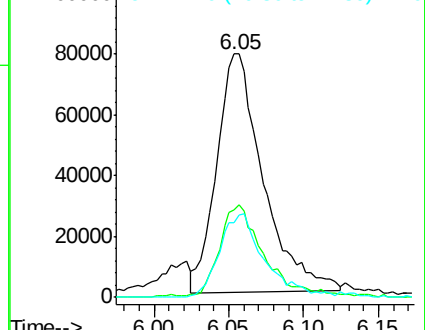
71 35.0 28.6 42.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.09 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.03 min

Lab File: VL038411.D

Acq: 23 Feb 2022 16:58

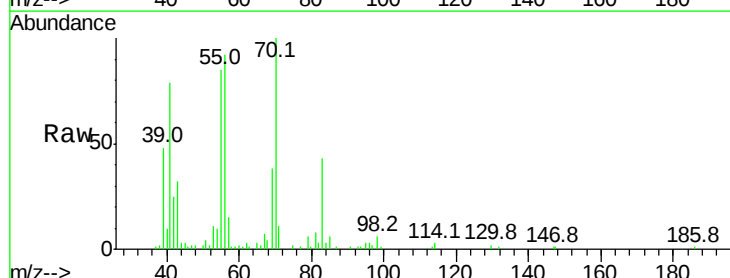
Tgt Ion: 83 Resp: 14871

Ion Ratio Lower Upper

83 100

85 15.0 52.2 78.4#

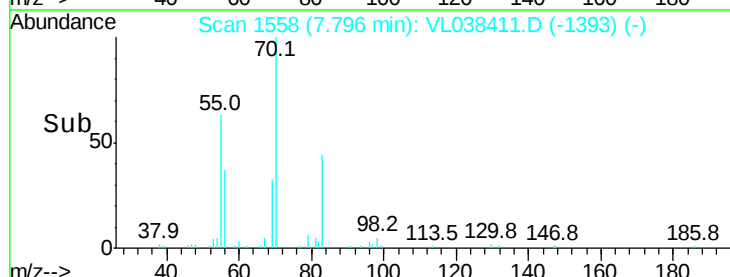
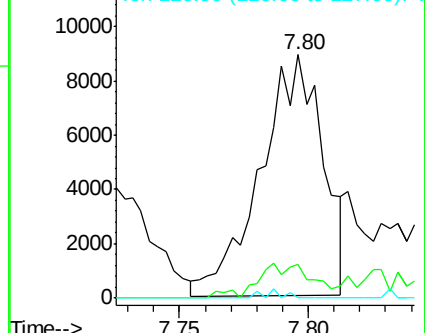
127 0.0 6.2 9.4#

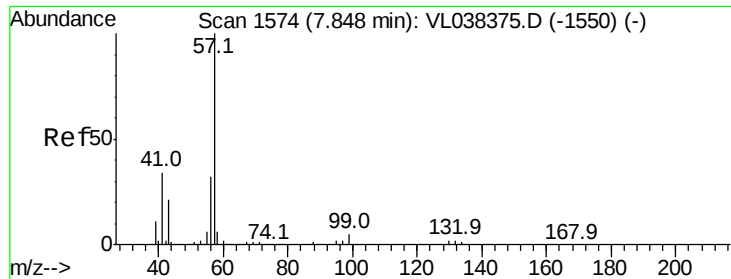


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#44

2,2,4-Trimethylpentane

Concen: 2.73 ppbv

RT: 7.87 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 Feb 2022 16:58 MP-8

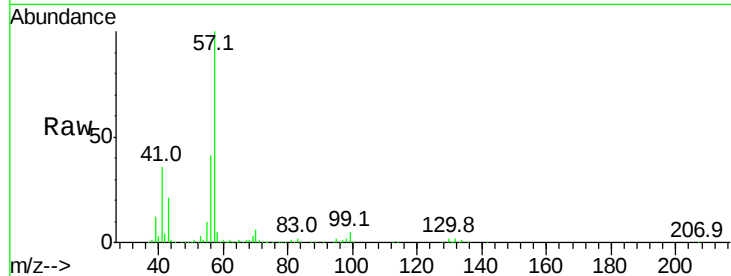
Tgt Ion: 57 Resp: 968153

Ion Ratio Lower Upper

57 100

41 36.3 26.6 39.8

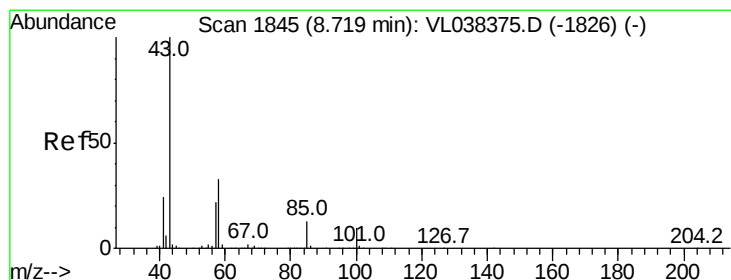
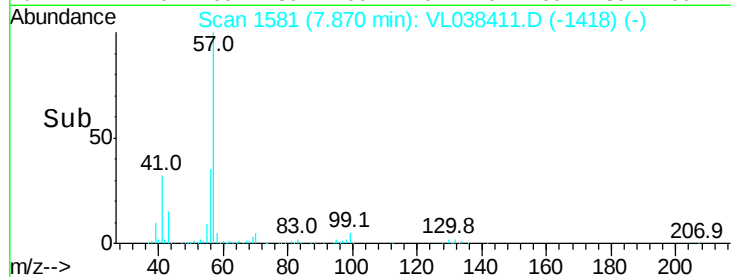
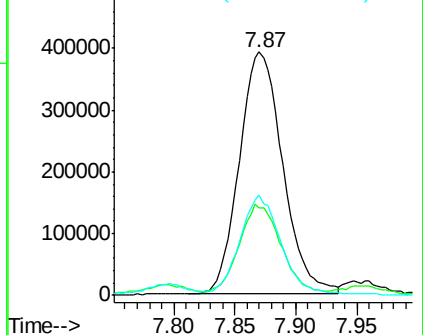
56 39.7 25.0 37.6#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.07 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.04 min

Lab File: VL038411.D

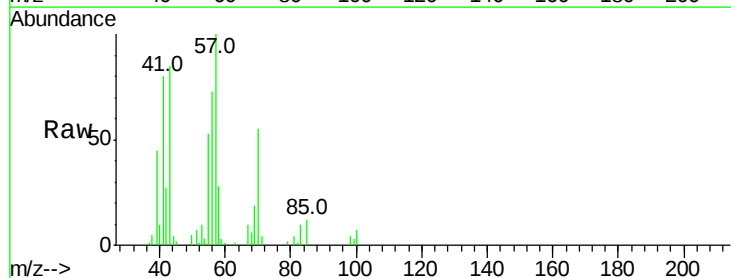
Acq: 23 Feb 2022 16:58

Tgt Ion: 43 Resp: 9730

Ion Ratio Lower Upper

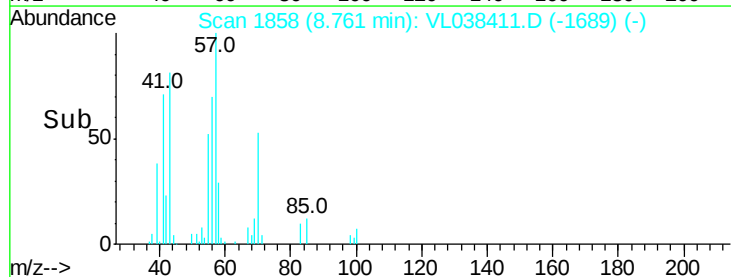
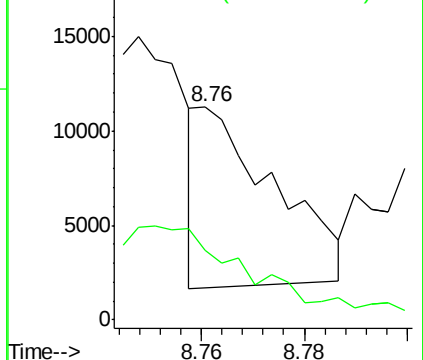
43 100

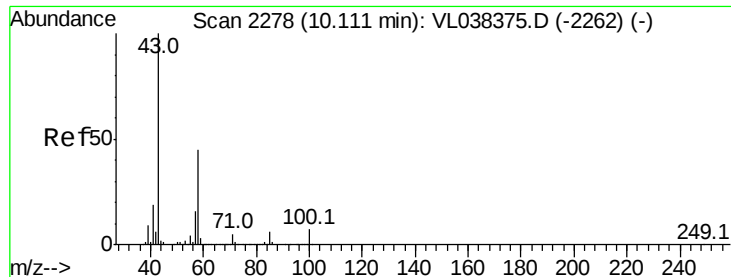
58 133.3 27.7 41.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.05 ppbv

RT: 10.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Feb 2022 16:58

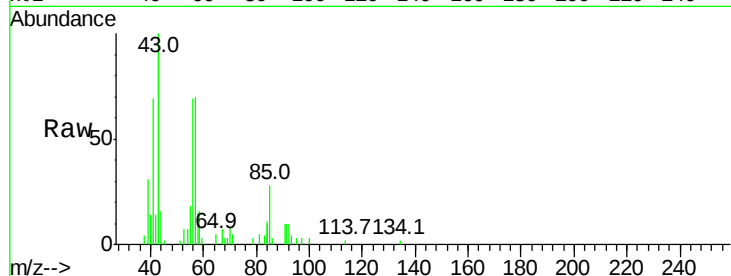
Tgt Ion: 43 Resp: 2872

Ion Ratio Lower Upper

43 100

58 771.7 37.4 56.0#

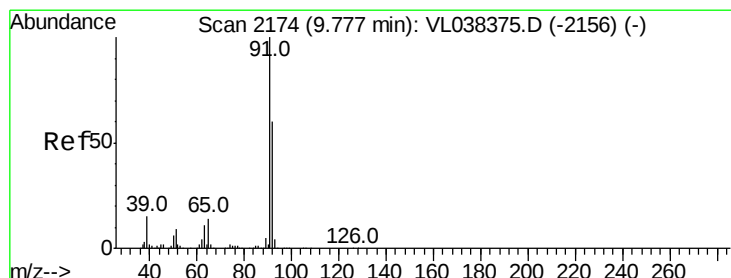
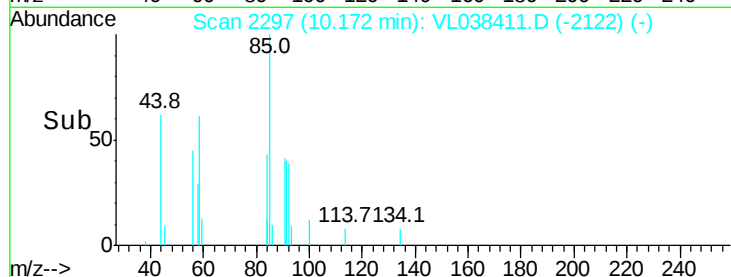
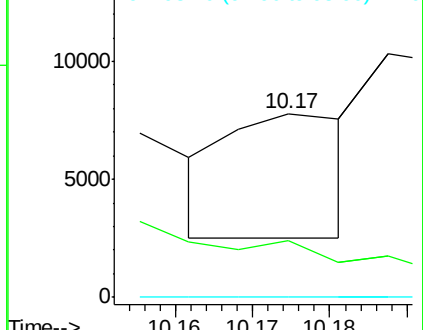
98 0.0 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#53

Toluene

Concen: 9.85 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.03 min

Lab File: VL038411.D

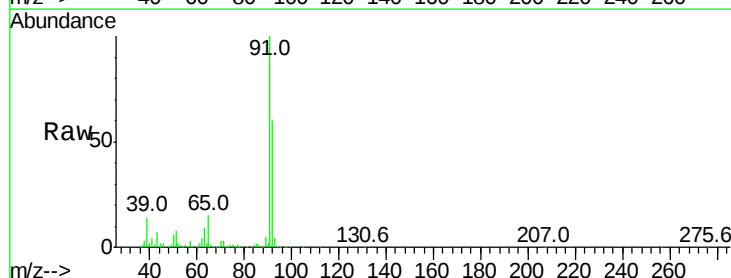
Acq: 23 Feb 2022 16:58

Tgt Ion: 91 Resp: 2209537

Ion Ratio Lower Upper

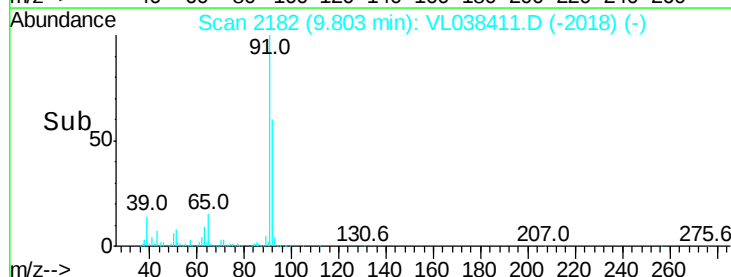
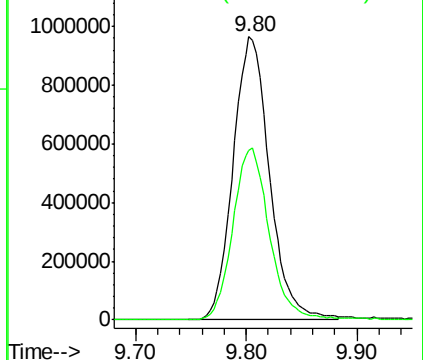
91 100

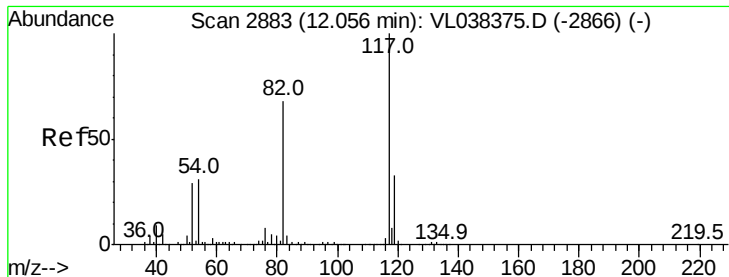
92 61.4 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

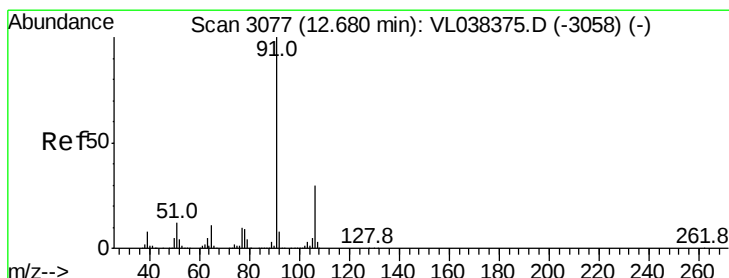
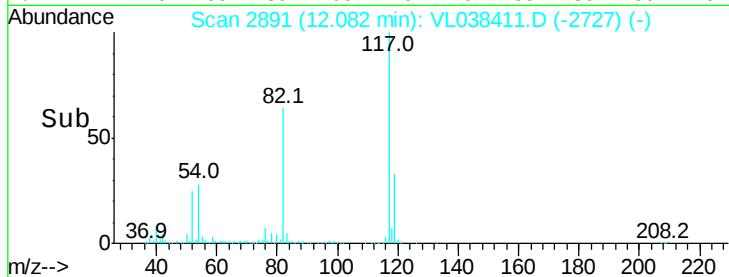
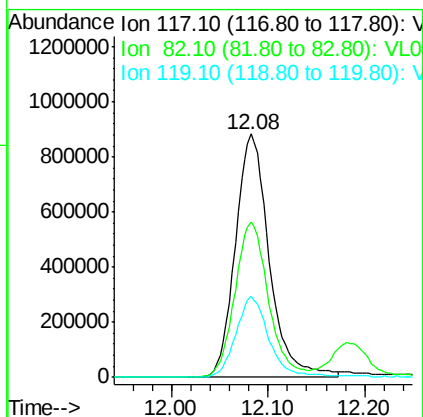
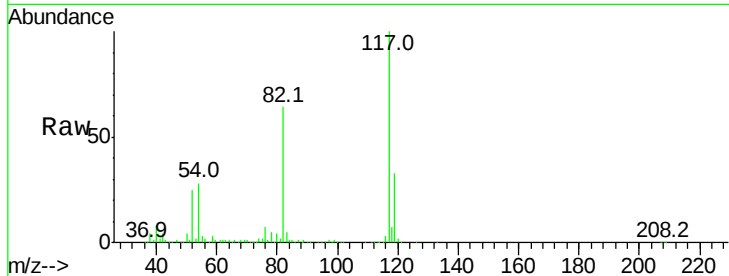
Ion 92.10 (91.80 to 92.80): VL0





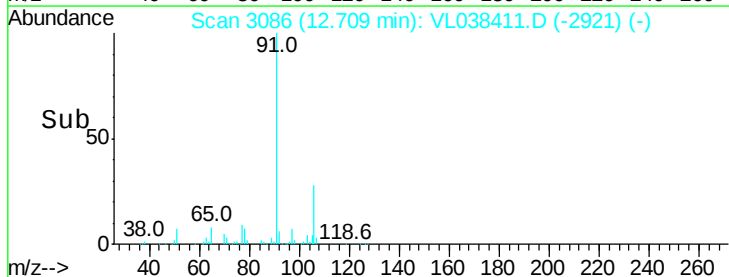
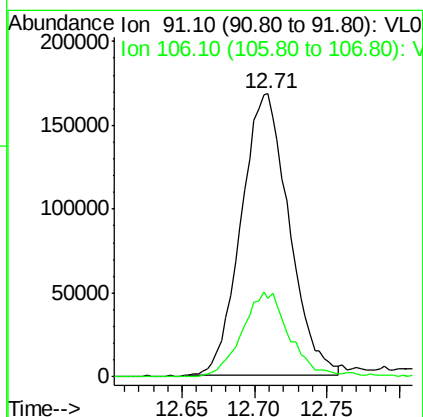
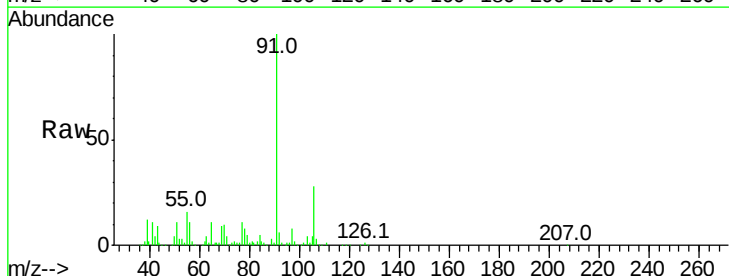
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
MP-8
Acq: 23 Feb 2022 16:58

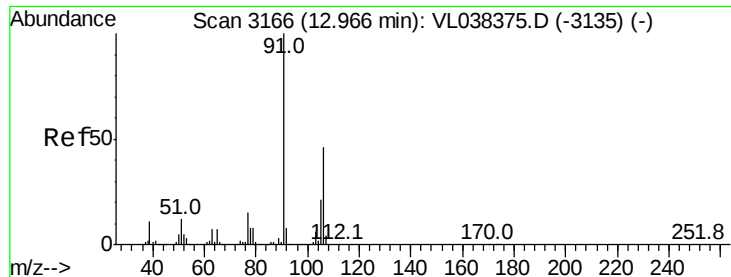
Tgt Ion: 117 Resp: 2148496
Ion Ratio Lower Upper
117 100
82 63.6 54.9 82.3
119 33.0 46.1 69.1#



#58
Ethyl Benzene
Concen: 1.31 ppbv
RT: 12.71 min Scan# 3086
Delta R.T.: 0.03 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

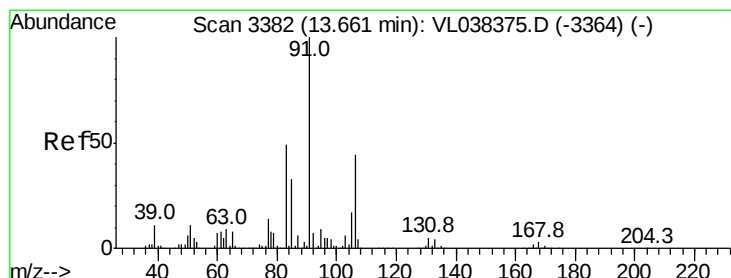
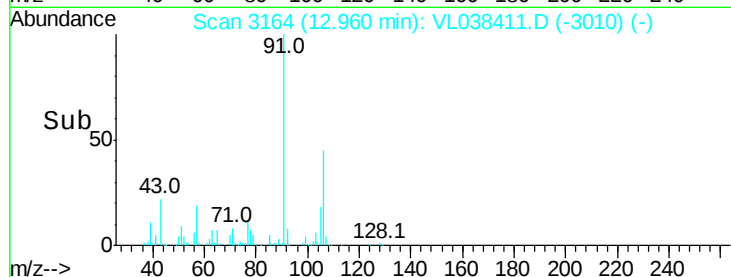
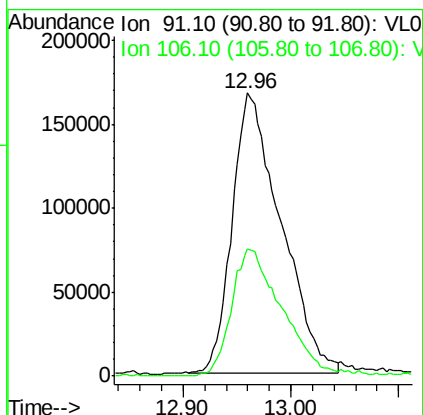
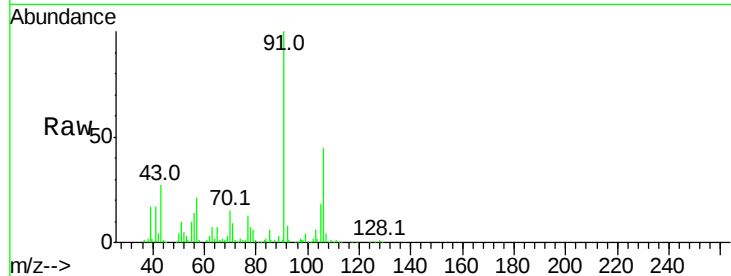
Tgt Ion: 91 Resp: 383822
Ion Ratio Lower Upper
91 100
106 27.7 24.0 36.0





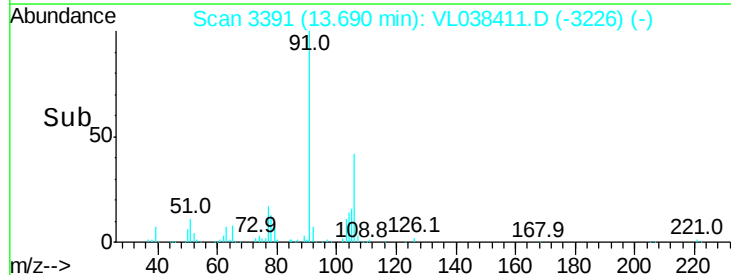
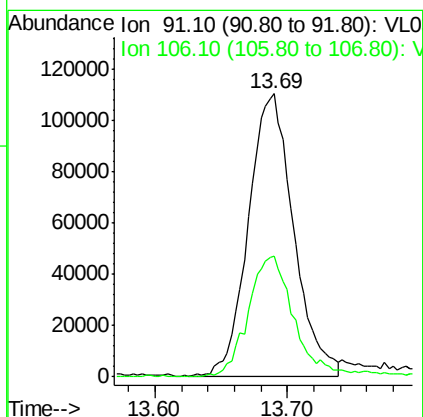
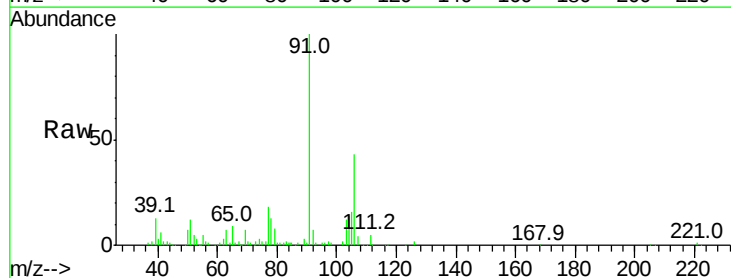
#59
m/p-Xylene
Concen: 2.07 ppbv
RT: 12.96 min
Delta R.T. 0.03 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

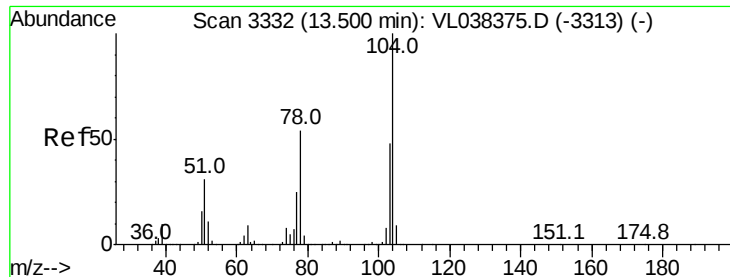
Tgt Ion: 91 Resp: 523210
Ion Ratio Lower Upper
91 100
106 47.6 34.4 51.6



#60
o-Xylene
Concen: 1.09 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.03 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

Tgt Ion: 91 Resp: 259546
Ion Ratio Lower Upper
91 100
106 45.9 21.9 65.5





#61

Styrene

Concen: 22.45 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Feb 2022 16:58

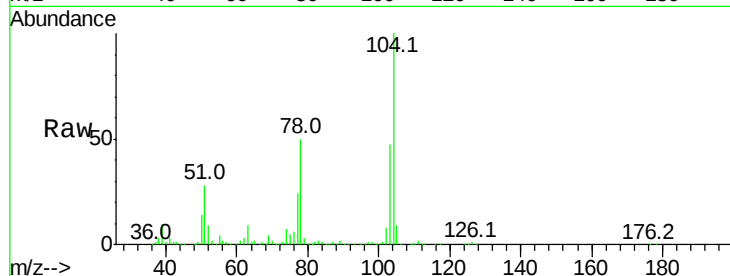
Tgt Ion:104 Resp: 2470286

Ion Ratio Lower Upper

104 100

78 53.0 44.2 66.4

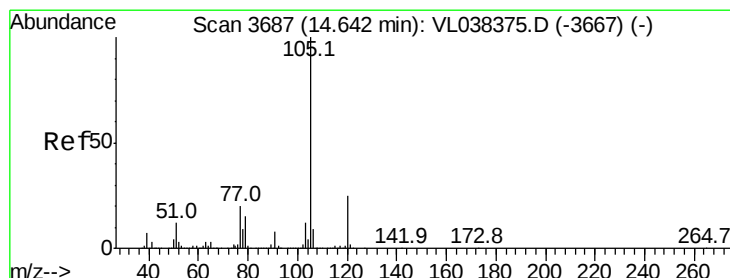
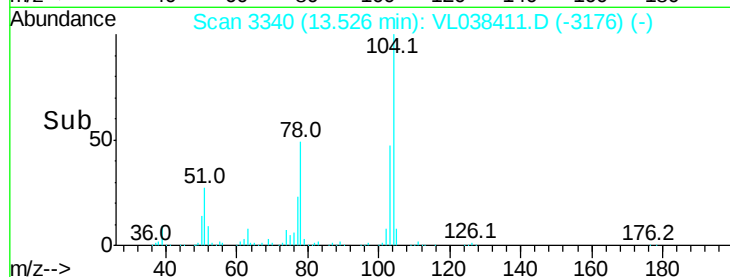
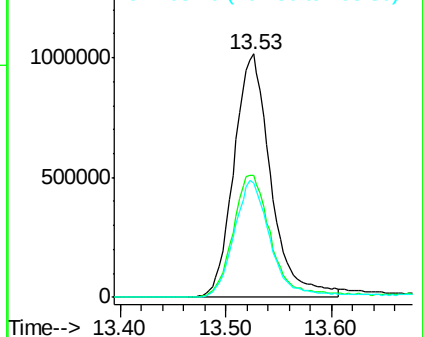
103 48.4 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.35 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.02 min

Lab File: VL038411.D

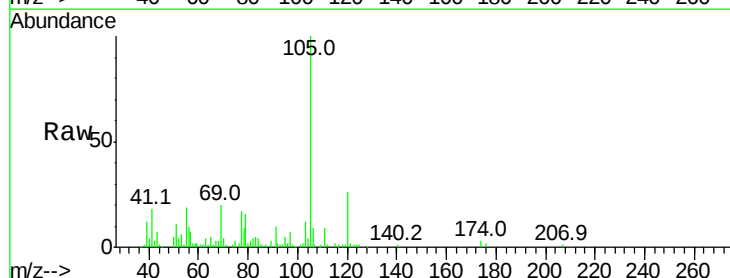
Acq: 23 Feb 2022 16:58

Tgt Ion:105 Resp: 112745

Ion Ratio Lower Upper

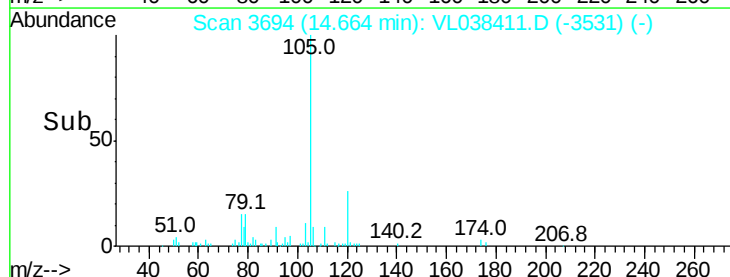
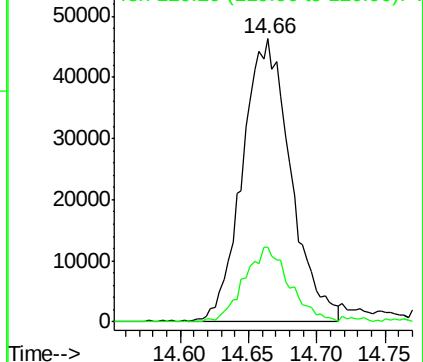
105 100

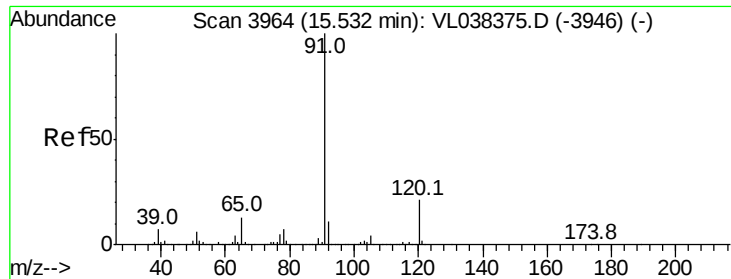
120 25.7 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

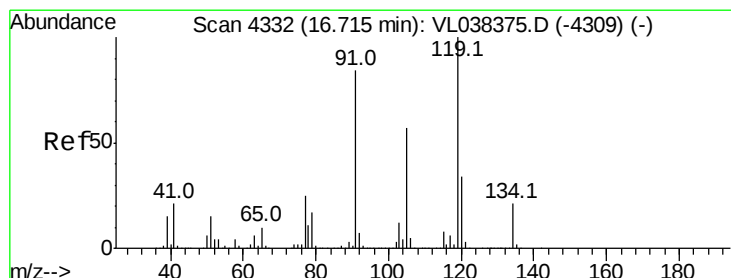
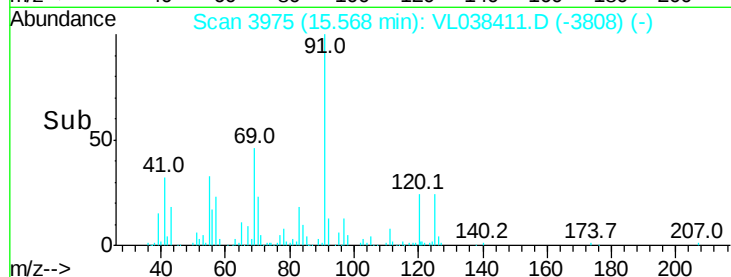
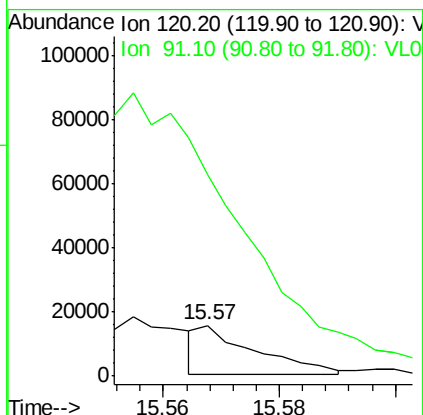
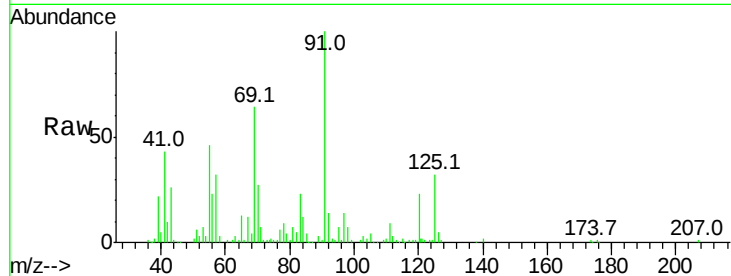
Ion 120.20 (119.90 to 120.90): V





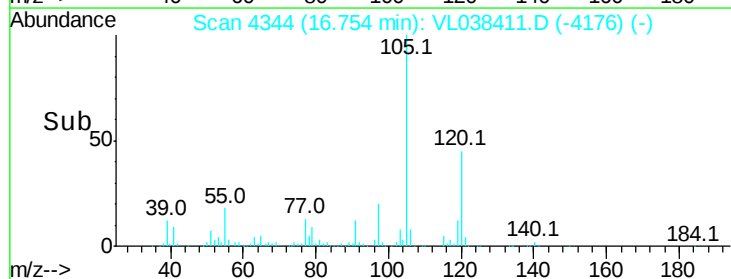
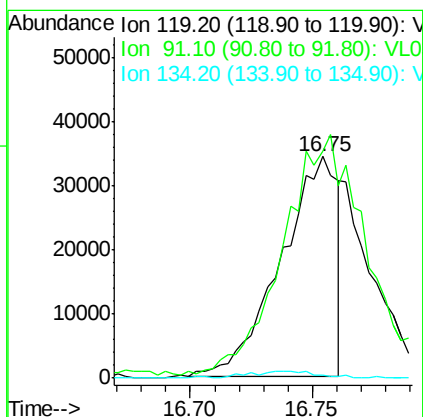
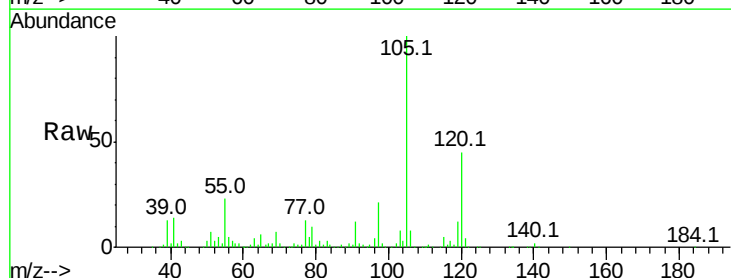
#64
n-propylbenzene
Concen: 0.13 ppbv
RT: 15.57 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
MP-8
Acq: 23 Feb 2022 16:58

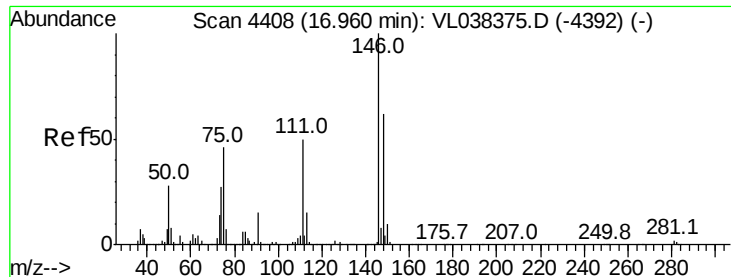
Tgt Ion:120 Resp: 10164
Ion Ratio Lower Upper
120 100
91 0.0 388.1 582.1#



#65
tert-Butylbenzene
Concen: 0.20 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.04 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

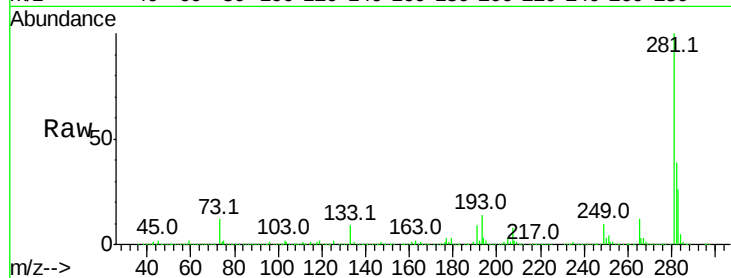
Tgt Ion:119 Resp: 55390
Ion Ratio Lower Upper
119 100
91 162.3 68.0 102.0#
134 3.8 15.8 23.8#



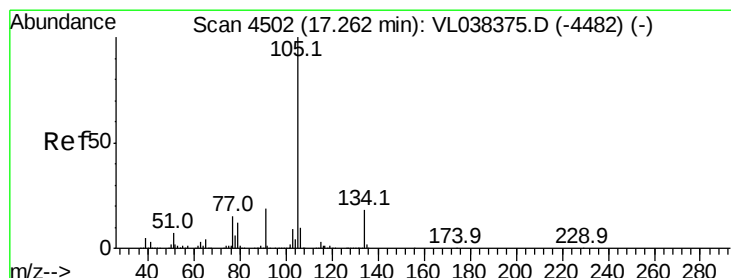
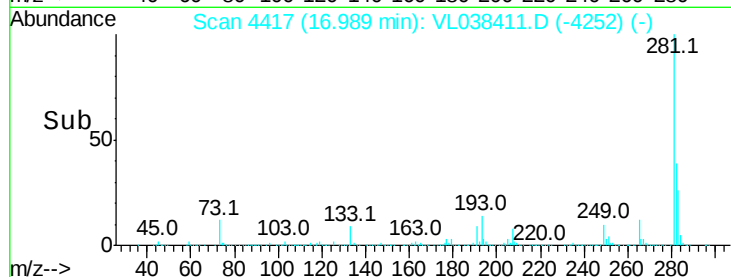
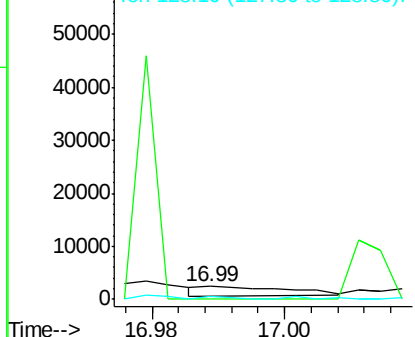


#66
Benzyl Chloride
Concen: 0.11 ppbv
RT: 16.99 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
MP-8
Acq: 23 Feb 2022 16:58

Tgt Ion: 91 Resp: 1623
Ion Ratio Lower Upper
91 100
126 0.0 12.3 18.5#
128 0.0 4.2 6.4#

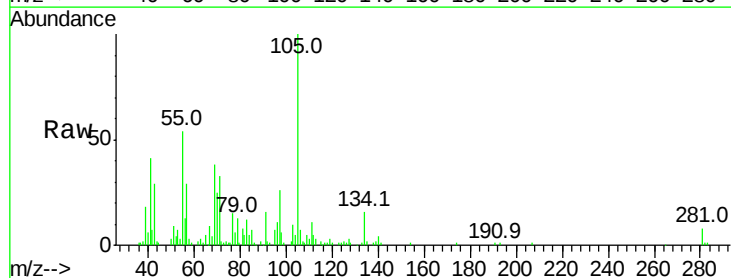


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

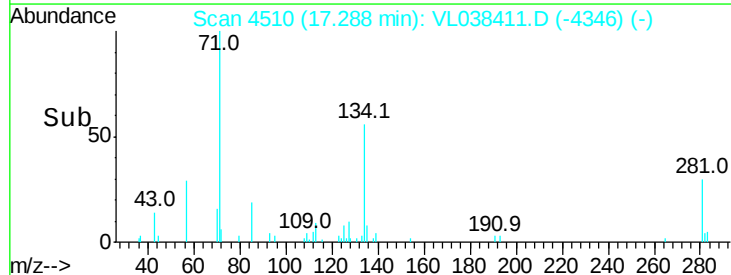
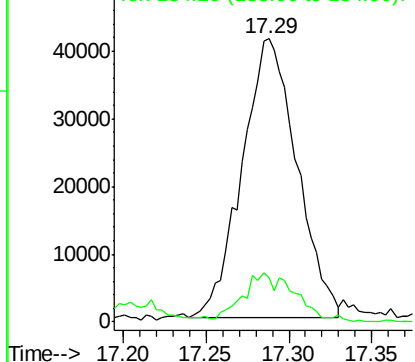


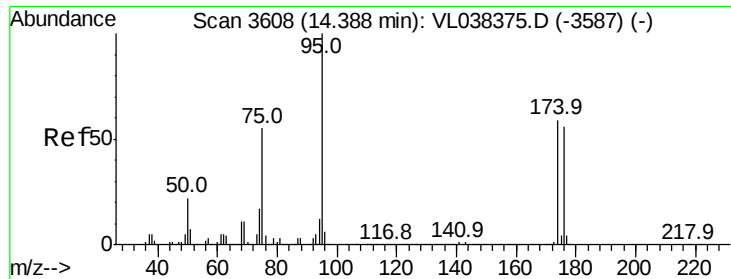
#67
sec-Butylbenzene
Concen: 0.24 ppbv
RT: 17.29 min Scan# 4510
Delta R.T. 0.03 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

Tgt Ion: 105 Resp: 94326
Ion Ratio Lower Upper
105 100
134 17.2 14.6 21.8



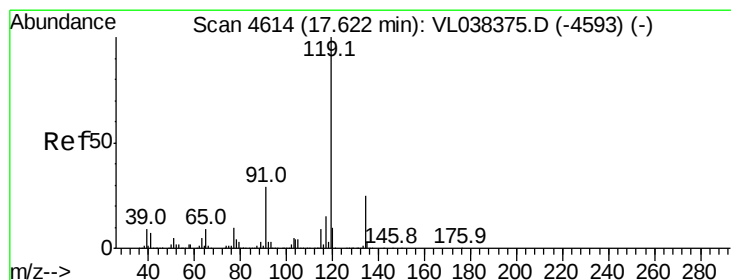
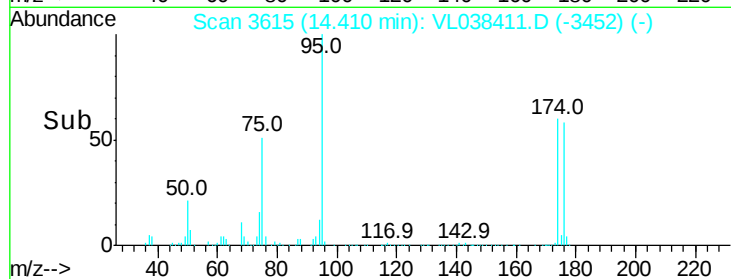
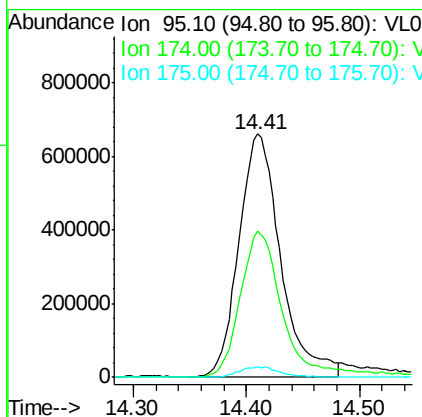
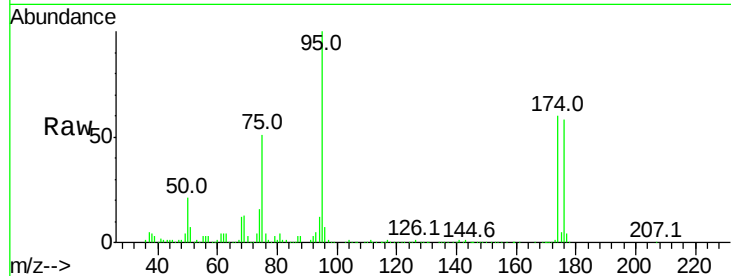
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V





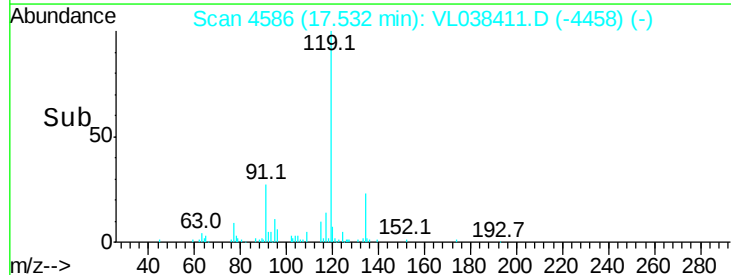
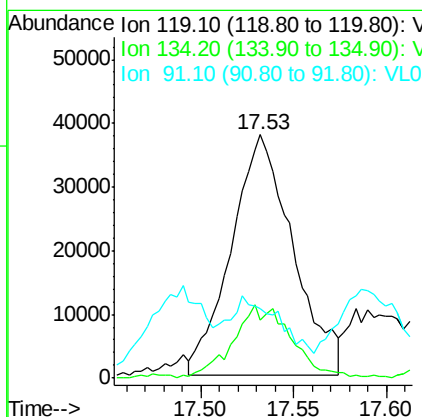
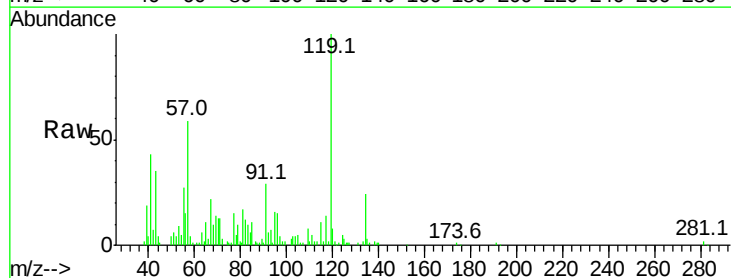
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.56 ppbv
 RT: 14.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Feb 2022 16:58

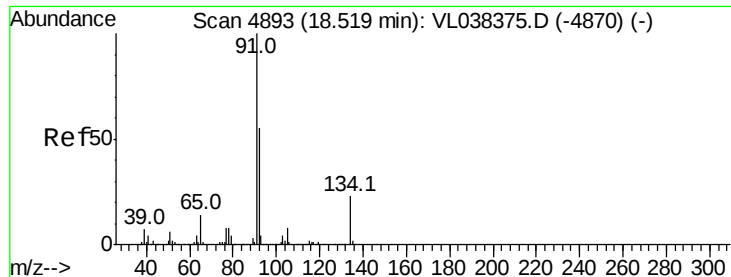
Tgt Ion: 95 Resp: 1698813
 Ion Ratio Lower Upper
 95 100
 174 63.0 49.0 73.4
 175 4.4 3.6 5.4



#69
 p-Isopropyltoluene
 Concen: 0.28 ppbv
 RT: 17.53 min Scan# 4586
 Delta R.T. -0.09 min
 Lab File: VL038411.D
 Acq: 23 Feb 2022 16:58

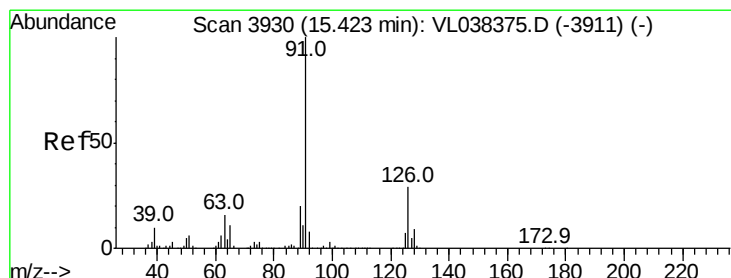
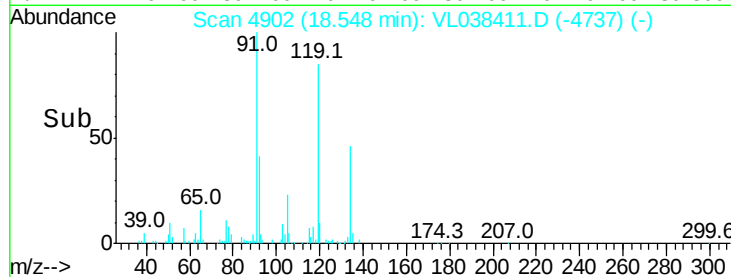
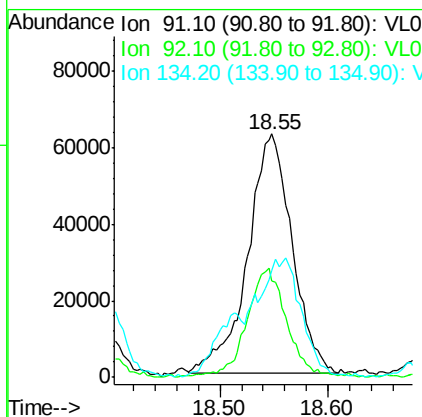
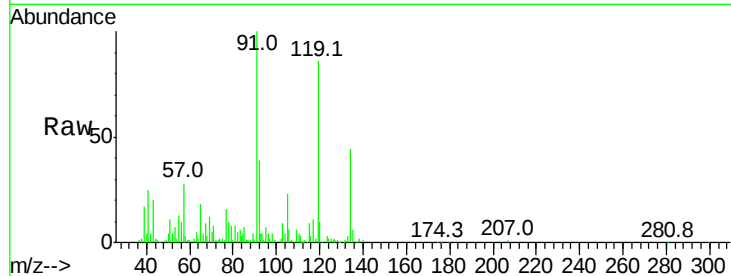
Tgt Ion: 119 Resp: 87904
 Ion Ratio Lower Upper
 119 100
 134 29.5 20.4 30.6
 91 28.5 23.8 35.8





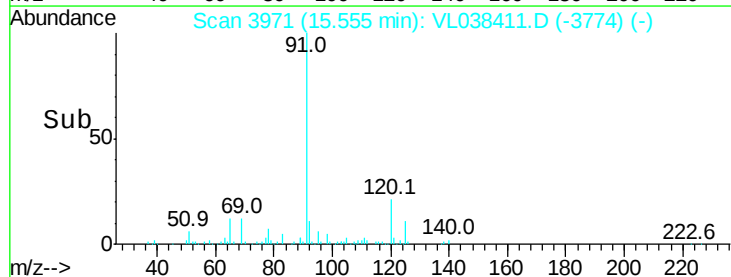
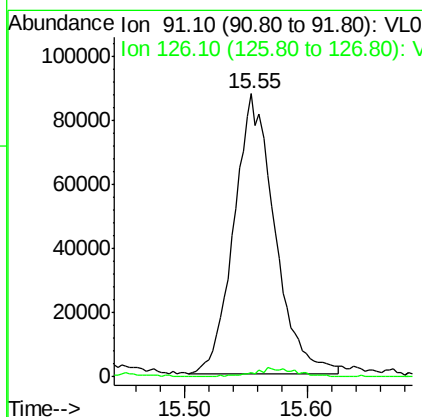
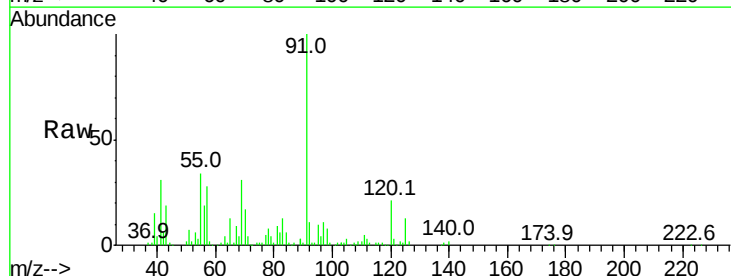
#70
n-Butylbenzene
Concen: 0.56 ppbv
RT: 18.55 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
MP-8
Acq: 23 Feb 2022 16:58

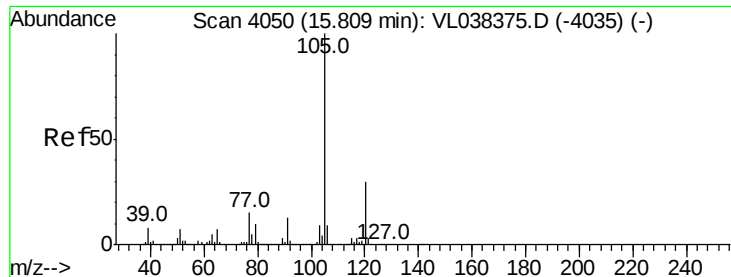
Tgt Ion: 91 Resp: 178658
Ion Ratio Lower Upper
91 100
92 41.3 43.1 64.7#
134 66.7 17.4 26.0#



#71
2-Chlorotoluene
Concen: 0.82 ppbv
RT: 15.55 min Scan# 3971
Delta R.T. 0.13 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

Tgt Ion: 91 Resp: 201121
Ion Ratio Lower Upper
91 100
126 3.6 11.9 47.7#





#72

4-Ethyltoluene

Concen: 0.77 ppbv

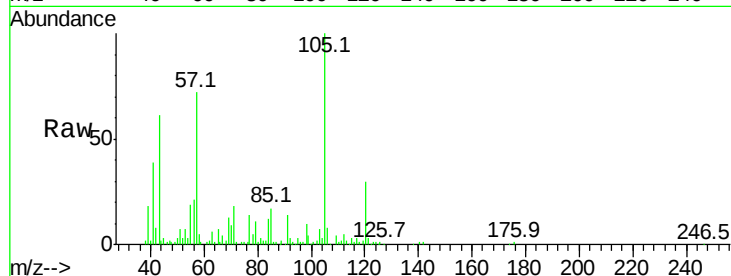
RT: 15.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Feb 2022 16:58

Tgt Ion:	105	Resp:	202047
Ion Ratio	Lower	Upper	
105	100		
120	29.2	23.4	35.2
91	13.9	10.4	15.6
77	15.5	11.6	17.4

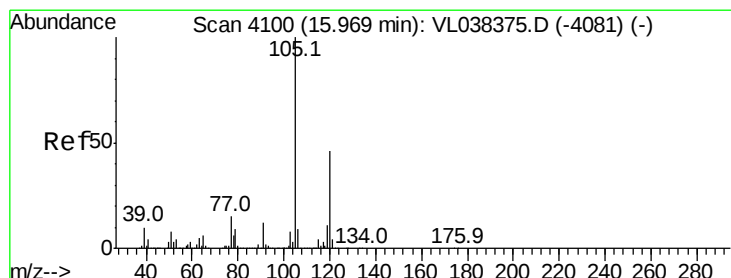
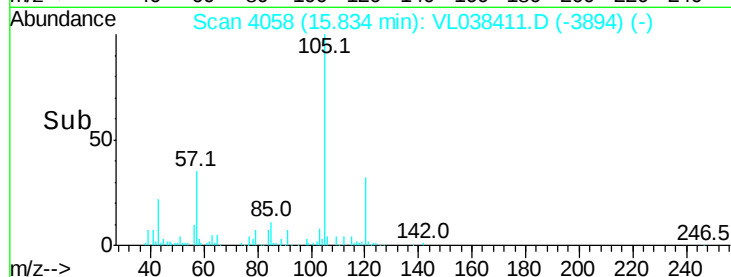
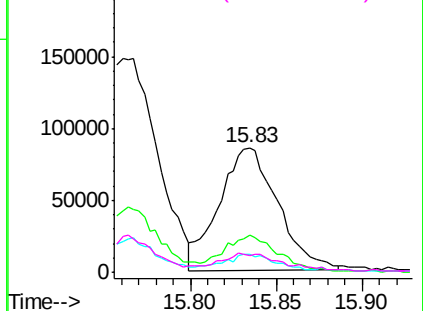


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.91 ppbv

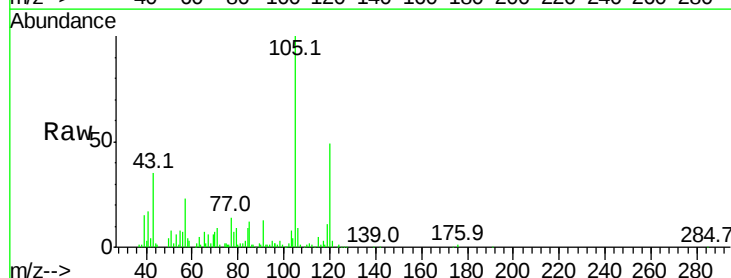
RT: 15.99 min Scan# 4107

Delta R.T. 0.02 min

Lab File: VL038411.D

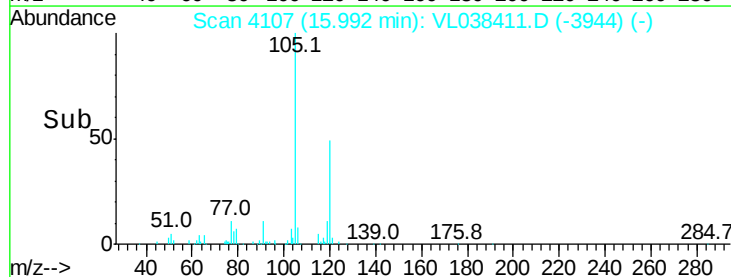
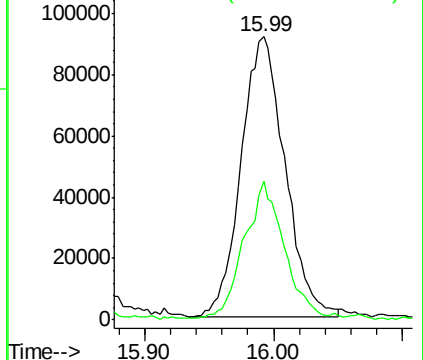
Acq: 23 Feb 2022 16:58

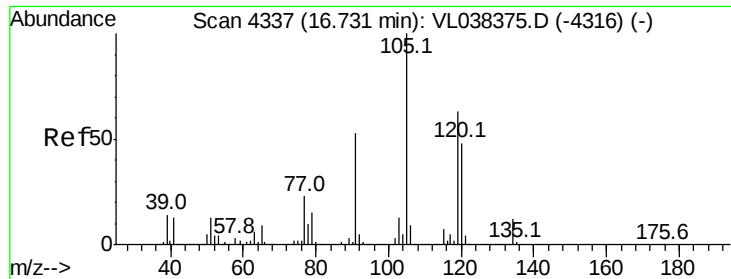
Tgt Ion:	105	Resp:	216872
Ion Ratio	Lower	Upper	
105	100		
120	49.2	36.6	55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 2.78 ppbv

RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

MP-8

Acq: 23 Feb 2022 16:58

Tgt Ion:105 Resp: 700662

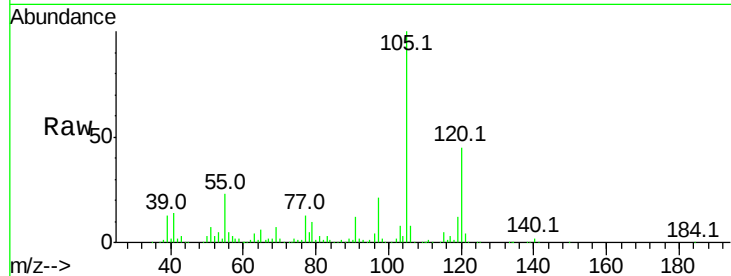
Ion Ratio Lower Upper

105 100

120 44.8 38.2 57.4

91 12.0 42.7 64.1#

77 12.8 18.5 27.7#

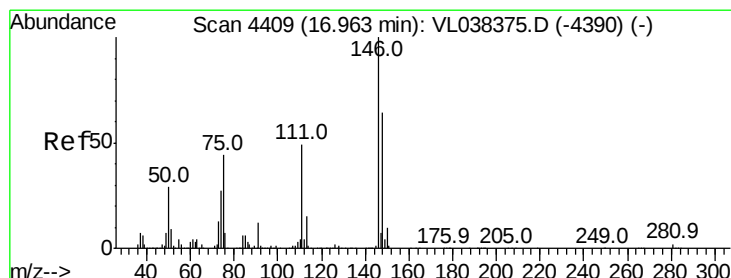
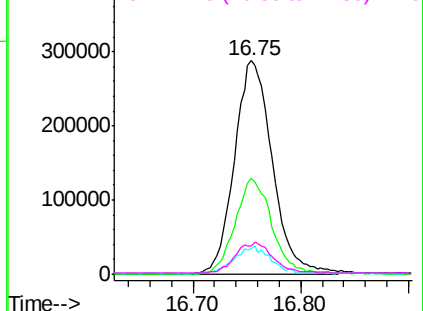
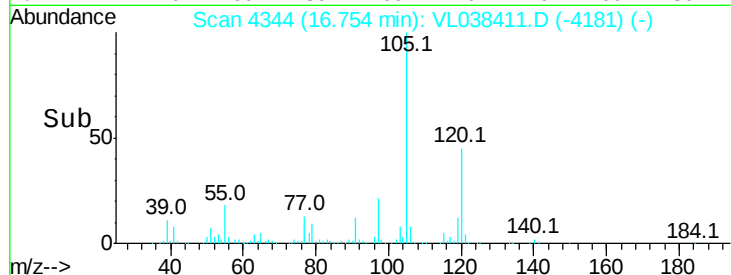


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.05 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.02 min

Lab File: VL038411.D

Acq: 23 Feb 2022 16:58

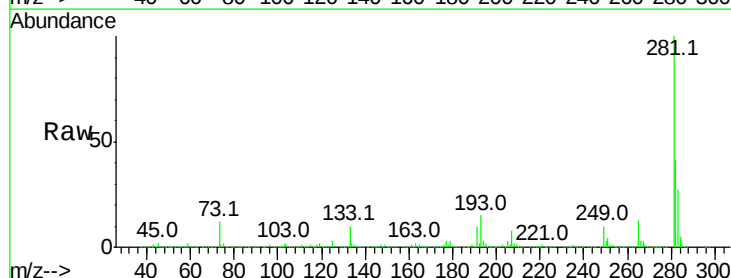
Tgt Ion:146 Resp: 7189

Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.9#

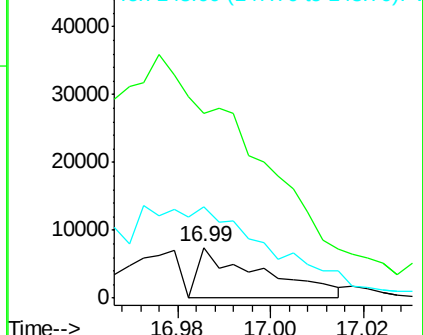
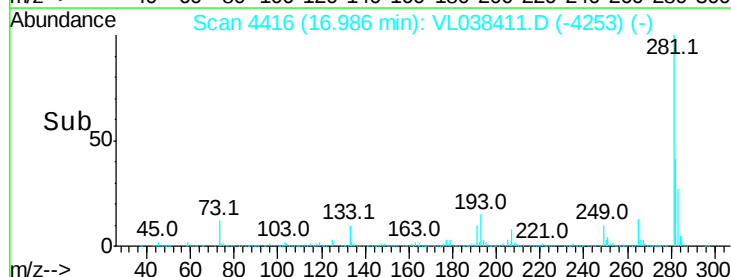
148 0.0 32.0 96.0#

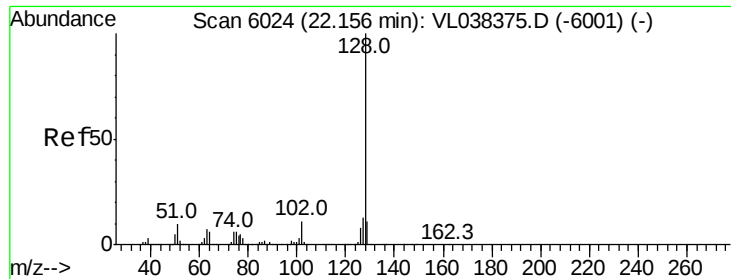


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

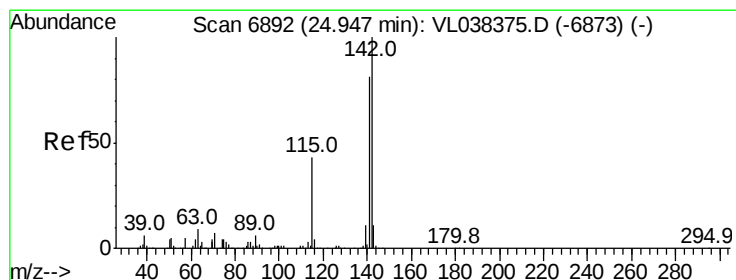
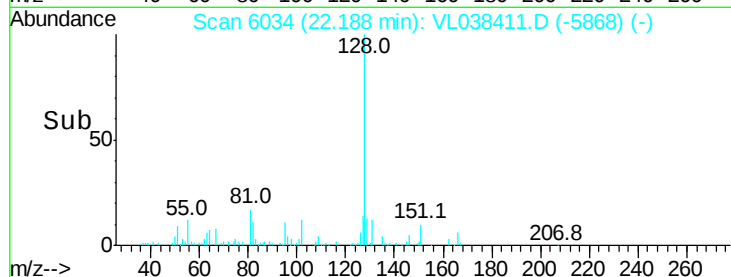
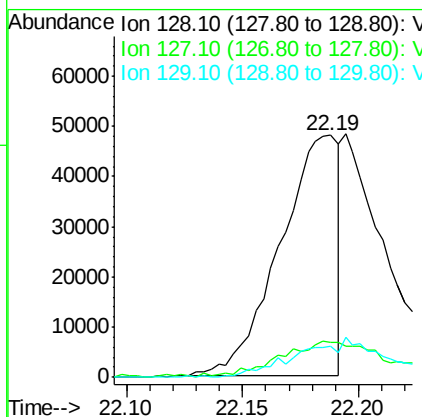
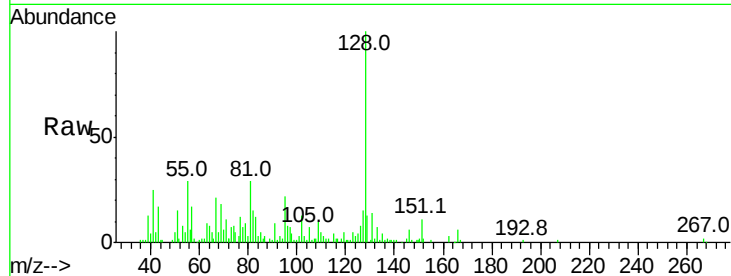
Ion 148.00 (147.70 to 148.70): V





#79
Naphthalene
Concen: 0.61 ppbv
RT: 22.19 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
MP-8
Acq: 23 Feb 2022 16:58

Tgt Ion:	128	Resp:	83696
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.7	16.1
129	12.8	8.8	13.2



#80
Naphthalene, 2-methyl-
Concen: 0.52 ppbv
RT: 25.28 min Scan# 6995
Delta R.T.: 0.33 min
Lab File: VL038411.D
Acq: 23 Feb 2022 16:58

Tgt Ion:	142	Resp:	13929
Ion	Ratio	Lower	Upper
142	100		
141	81.3	69.8	104.6
115	39.6	33.0	49.6

