

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032332.D
 Acq On : 1 Aug 2018 21:14
 Operator : SY/AP
 Sample : J4235-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 02 00:47:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 07:05:37 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1747225	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4180243	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4175986	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	3345765	10.32	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

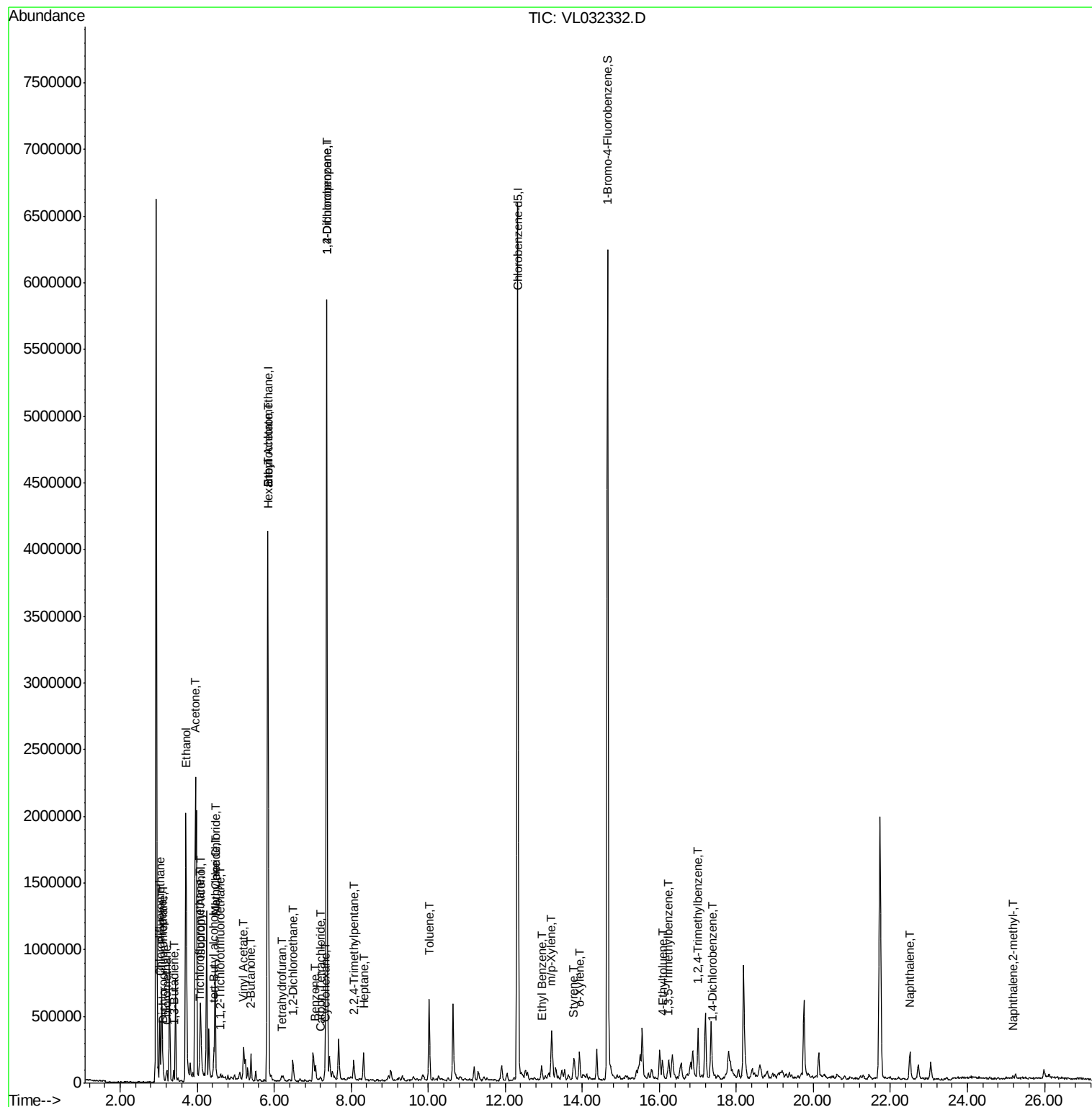
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	56650	0.269	ppbv	99
3) Chlorodifluoromethane	3.03	51	381640	2.184	ppbv #	70
4) Chloromethane	3.22	50	65172	0.616	ppbv	97
9) Propene	3.08	41	271750	3.460	ppbv	89
10) Heptane	8.32	43	81920	0.297	ppbv	99
11) Trichlorofluoromethane	4.06	101	55750	0.277	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.60	101	4865	0.035	ppbv #	17
13) Ethanol	3.70	45	2460582	108.999	ppbv	99
15) Acetone	3.95	43	2768788	16.814	ppbv	94
16) 1,3-Butadiene	3.39	39	11416	0.134	ppbv #	35
17) tert-Butyl alcohol	4.43	59	40068	0.766	ppbv #	73
19) Isopropyl Alcohol	4.09	45	708926	6.452	ppbv #	96
20) Methylene Chloride	4.47	84	294150	4.444	ppbv	97
21) Allyl Chloride	4.46	41	7673	0.068	ppbv #	84
23) Vinyl Acetate	5.22	43	248149	0.840	ppbv #	87
25) Ethyl Acetate	5.84	43	708397	1.917	ppbv #	88
26) Hexane	5.85	57	765624	4.579	ppbv #	50
30) Cyclohexane	7.31	84	11044	0.085	ppbv #	1
34) 2-Butanone	5.39	43	230569	0.852	ppbv	100
35) Carbon Tetrachloride	7.21	117	15201	0.064	ppbv #	82
36) Benzene	7.07	78	74501	0.202	ppbv #	95
37) 1,2-Dichloroethane	6.48	62	83259	0.391	ppbv	100
39) 1,2-Dichloropropane	7.36	63	1174049	6.333	ppbv #	27
41) Tetrahydrofuran	6.20	42	5355	0.035	ppbv #	40
44) 2,2,4-Trimethylpentane	8.06	57	68182	0.085	ppbv #	33
53) Toluene	10.03	91	410951	0.933	ppbv	99
58) Ethyl Benzene	12.95	91	40689	0.078	ppbv	97
59) m/p-Xylene	13.20	91	352636	0.791	ppbv	99
60) o-Xylene	13.93	91	159471	0.365	ppbv	95
61) Styrene	13.76	104	47921	0.149	ppbv	96
72) 4-Ethyltoluene	16.08	105	77481	0.158	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.24	105	36725	0.076	ppbv	100
74) 1,2,4-Trimethylbenzene	17.01	105	231119	0.455	ppbv #	70
76) 1,4-Dichlorobenzene	17.39	146	8632	0.031	ppbv #	2
79) Naphthalene	22.51	128	243771	0.553	ppbv	98
80) Naphthalene,2-methyl-	25.17	142	10279	0.059	ppbv	96

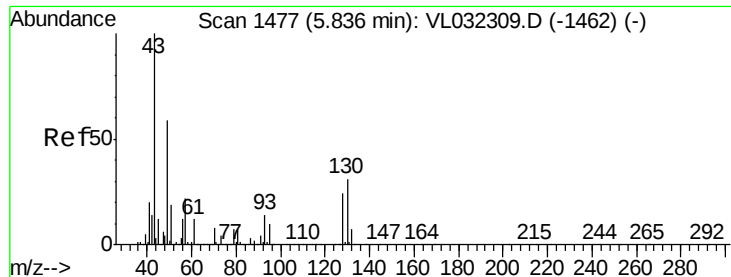
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

ClientSampleId :

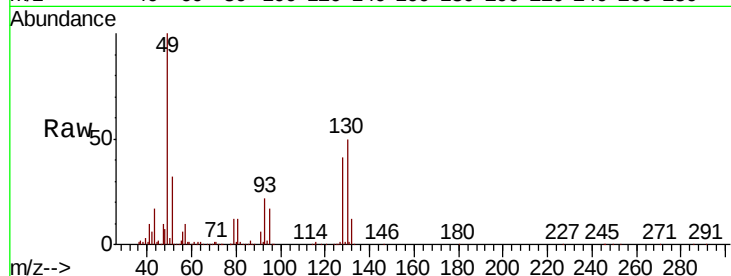
Tot Ion: 49 Resp: 1747225

Ion	Ratio	Lower	Upper
49	100		
128	39.8	20.2	60.6
130	50.5	25.8	77.3

49 100

128 39.8 20.2 60.6

130 50.5 25.8 77.3



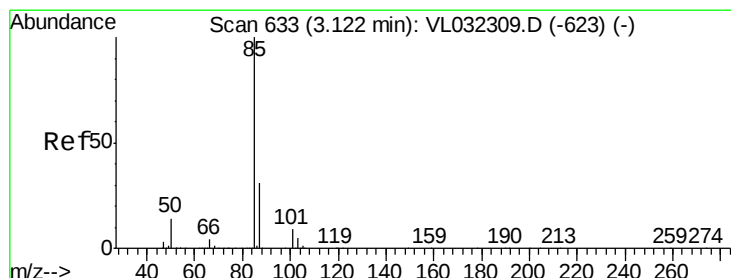
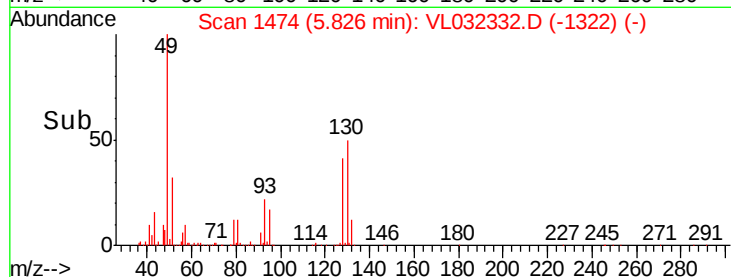
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.83

Time-->



#2

Dichlorodifluoromethane

Concen: 0.269 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL032332.D

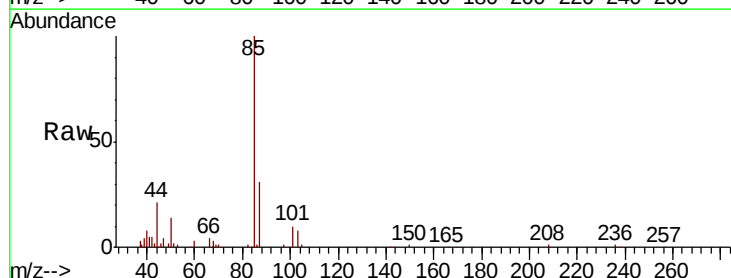
Acq: 1 Aug 2018 21:14

Tgt Ion: 85 Resp: 56650

Ion	Ratio	Lower	Upper
85	100		
87	31.1	25.2	37.8

85 100

87 31.1 25.2 37.8

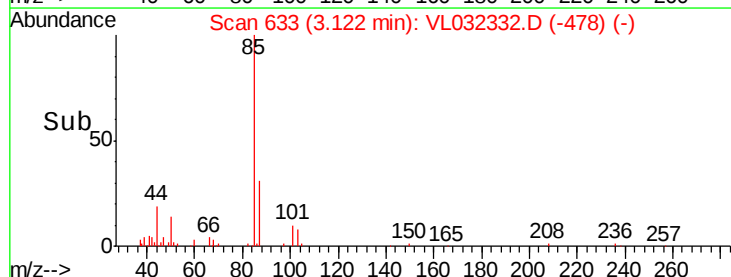


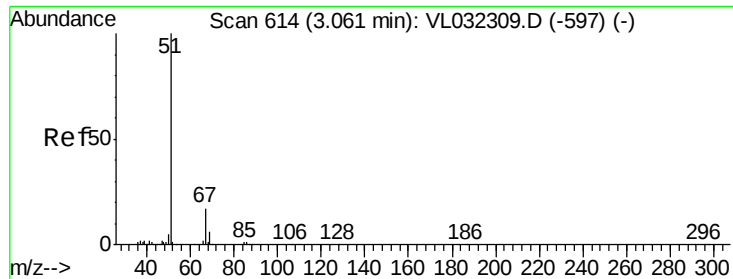
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.12

Time-->

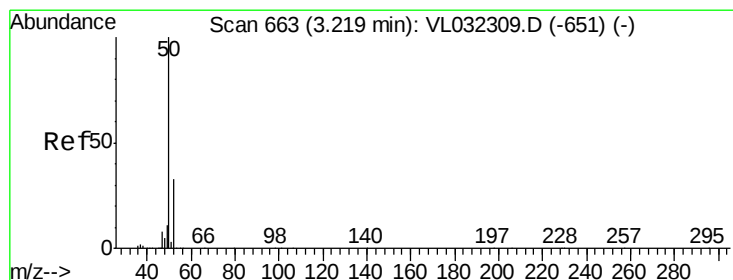
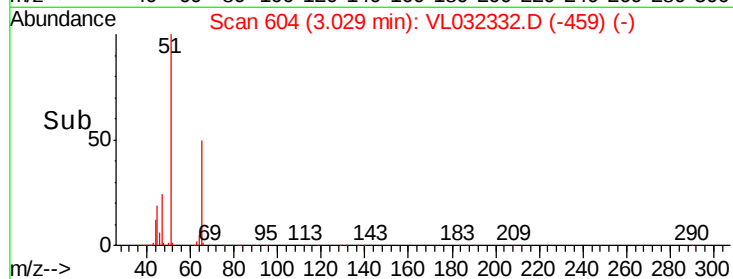
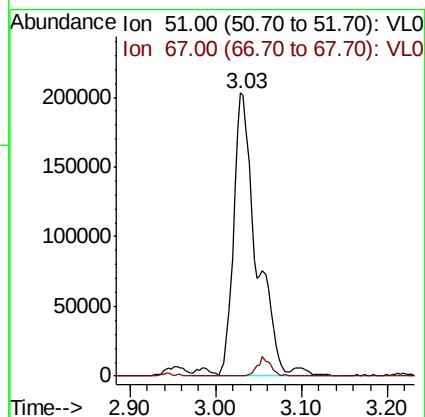
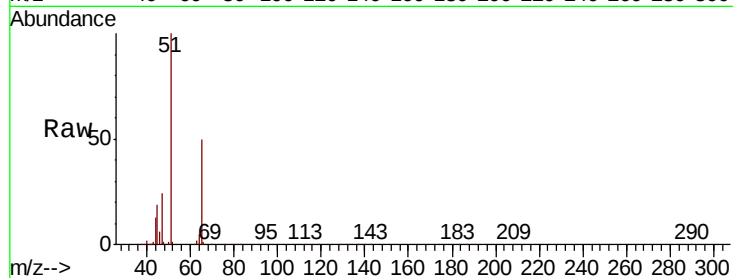




#3
 Chlorodifluoromethane
 Concen: 2.184 ppbv
 RT: 3.03 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

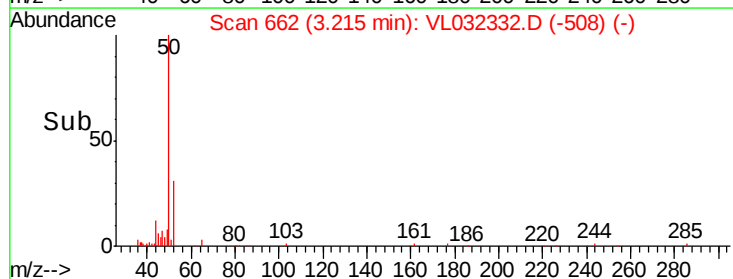
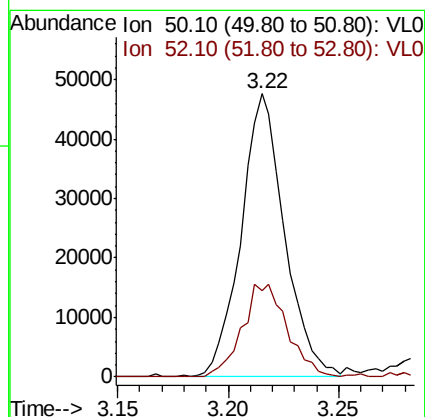
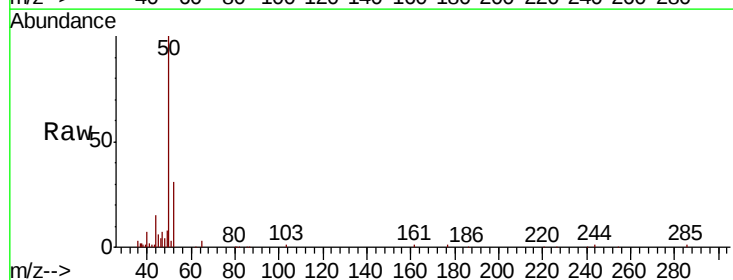
Instrument :
 MSVOA_L
 ClientSampleId :

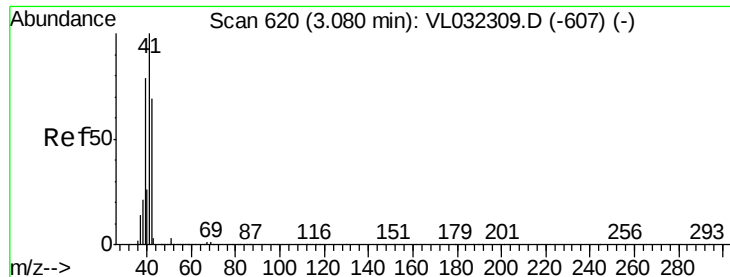
Tot Ion: 51 Resp: 381640
 Ion Ratio Lower Upper
 51 100
 67 4.0 13.5 20.3#



#4
 Chloromethane
 Concen: 0.616 ppbv
 RT: 3.22 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

Tgt Ion: 50 Resp: 65172
 Ion Ratio Lower Upper
 50 100
 52 31.0 26.2 39.4





#9

Propene

Concen: 3.460 ppbv

RT: 3.08 min Scan# 620

Delta R.T. -0.00 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

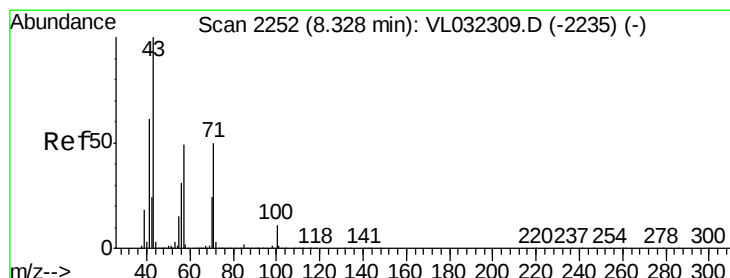
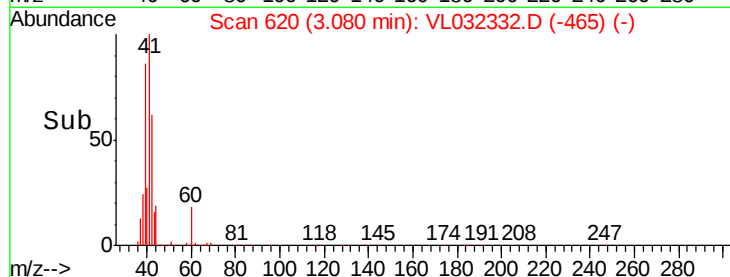
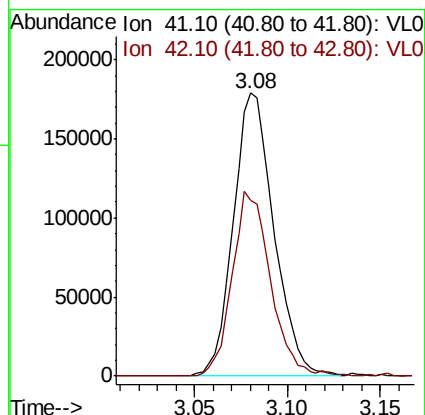
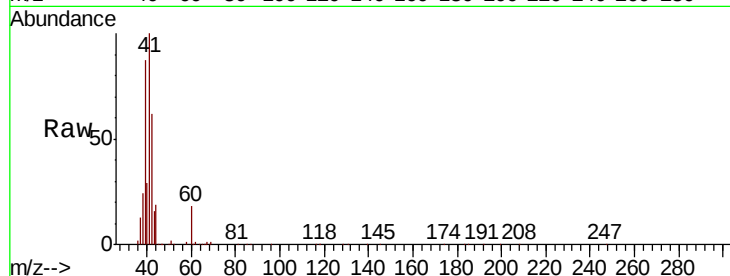
ClientSampleId :

Tot Ion: 41 Resp: 271750

Ion Ratio Lower Upper

41 100

42 62.0 56.8 85.2



#10

Heptane

Concen: 0.297 ppbv

RT: 8.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: VL032332.D

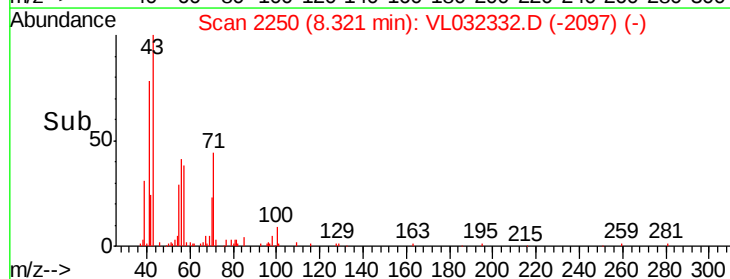
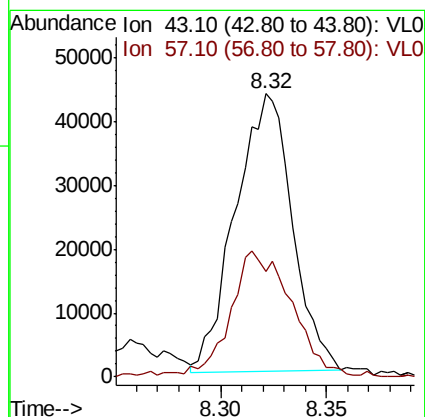
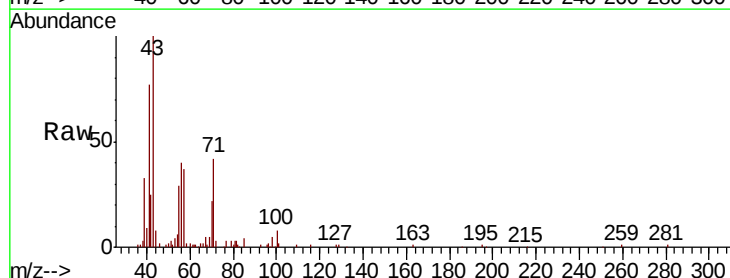
Acq: 1 Aug 2018 21:14

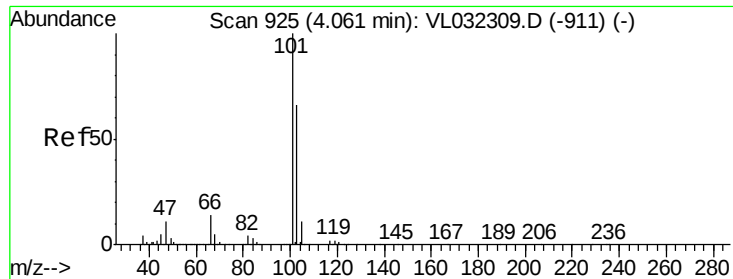
Tgt Ion: 43 Resp: 81920

Ion Ratio Lower Upper

43 100

57 49.6 39.0 58.4

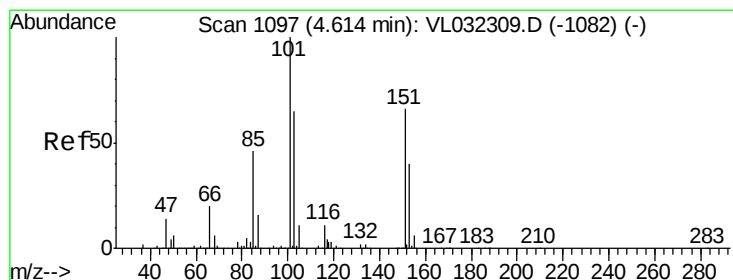
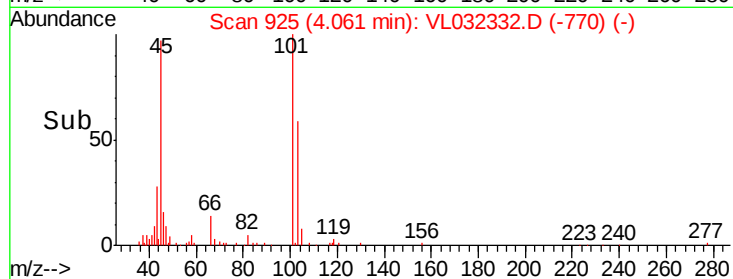
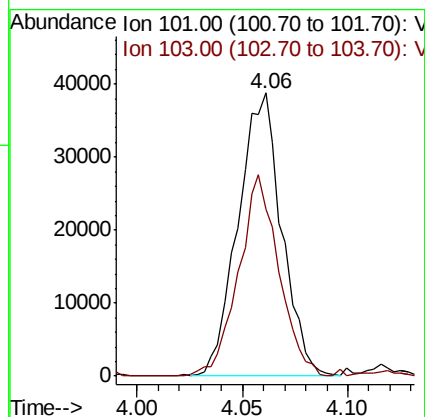
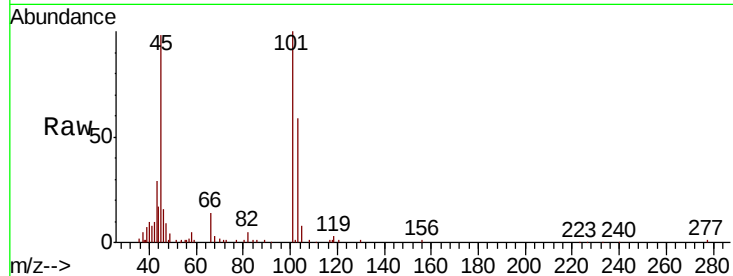




#11
 Trichlorofluoromethane
 Concen: 0.277 ppbv
 RT: 4.06 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

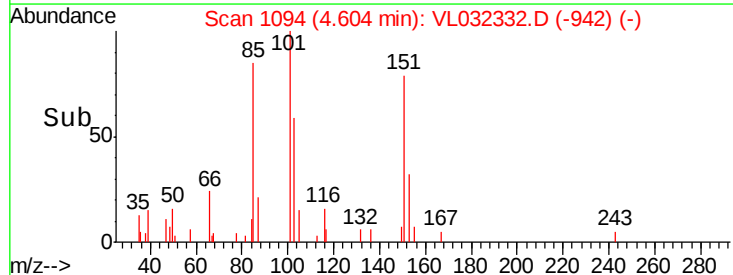
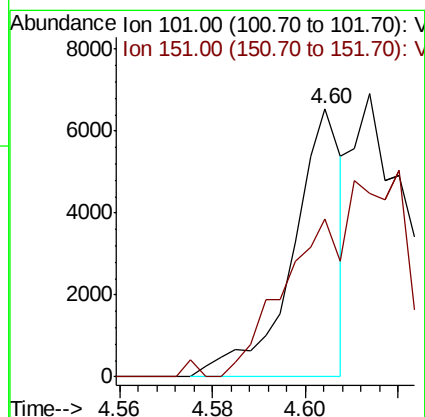
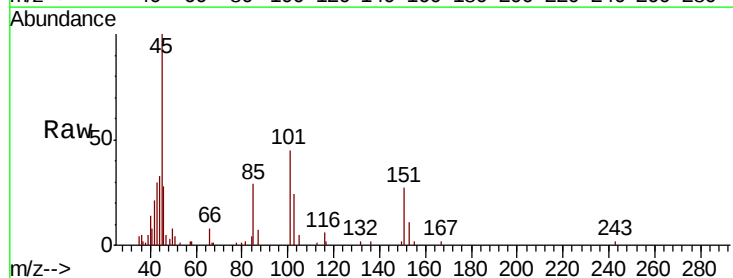
Instrument :
 MSVOA_L
 ClientSampleId :

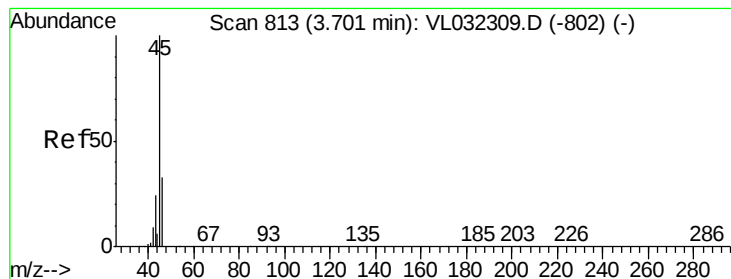
Tot Ion:101 Resp: 55750
 Ion Ratio Lower Upper
 101 100
 103 58.4 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.035 ppbv
 RT: 4.60 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

Tgt Ion:101 Resp: 4865
 Ion Ratio Lower Upper
 101 100
 151 0.0 52.4 78.6#





#13

Ethanol

Concen: 108.999 ppbv

RT: 3.70 min Scan# 814

Delta R.T. 0.00 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

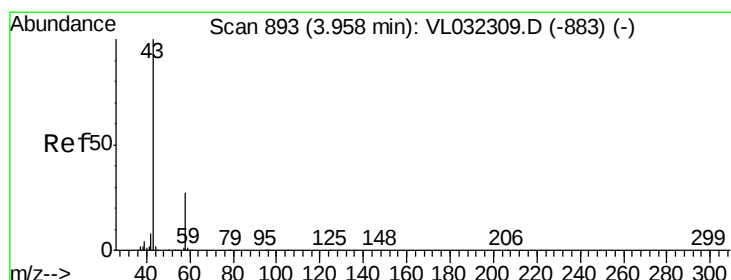
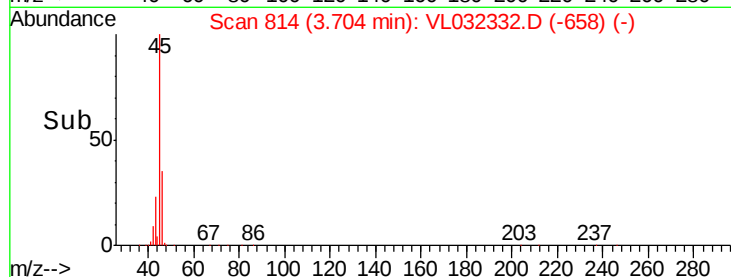
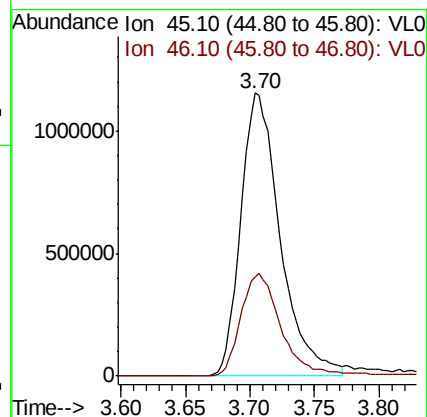
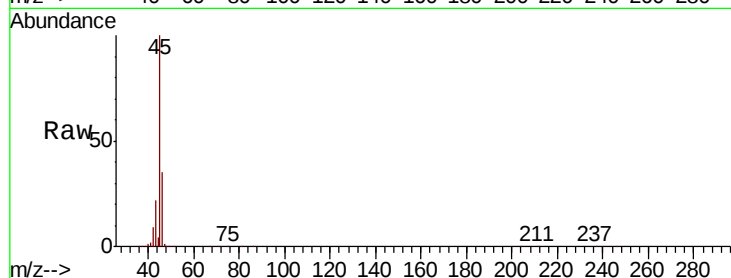
ClientSampleId :

Tot Ion: 45 Resp: 2460582

Ion Ratio Lower Upper

45 100

46 38.5 15.2 60.6



#15

Acetone

Concen: 16.814 ppbv

RT: 3.95 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL032332.D

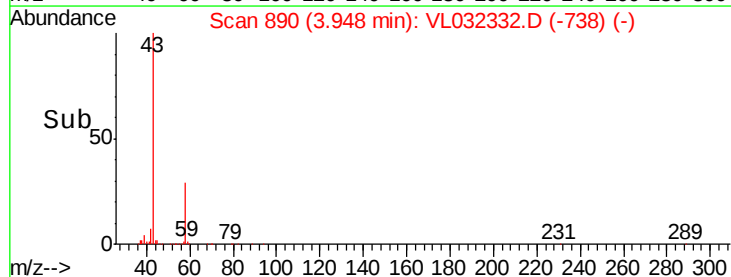
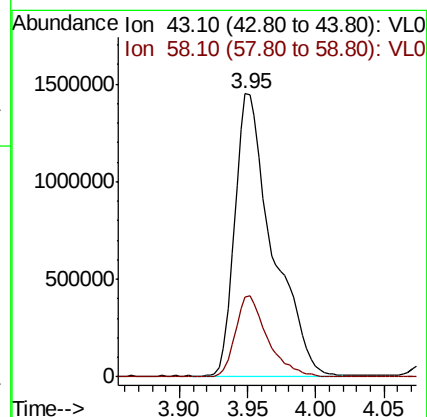
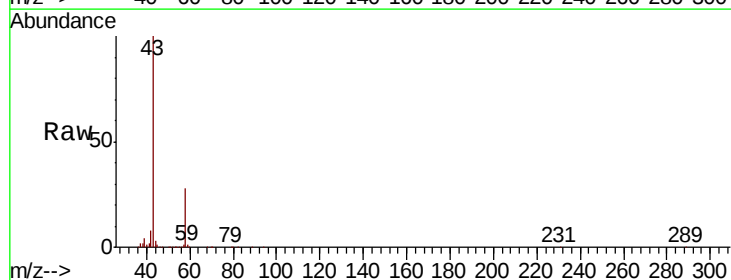
Acq: 1 Aug 2018 21:14

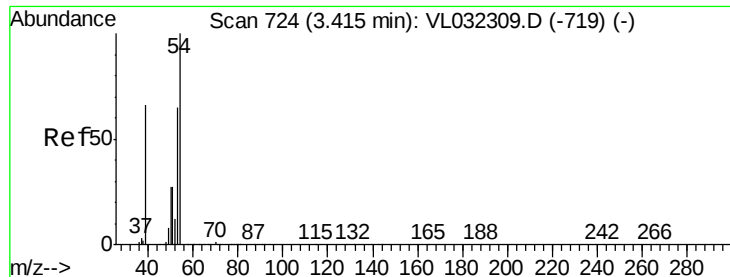
Tgt Ion: 43 Resp: 2768788

Ion Ratio Lower Upper

43 100

58 24.8 22.5 33.7

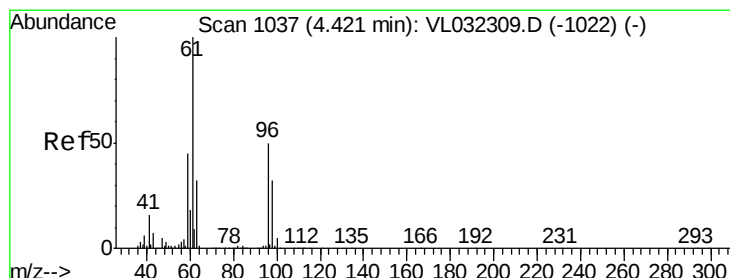
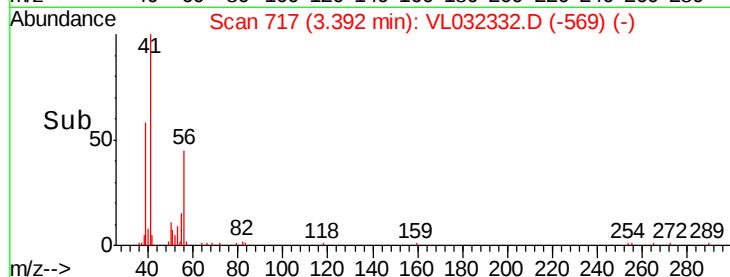
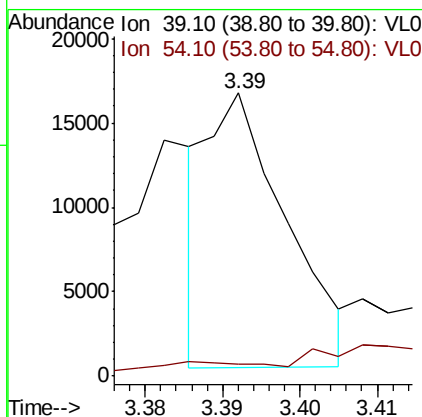
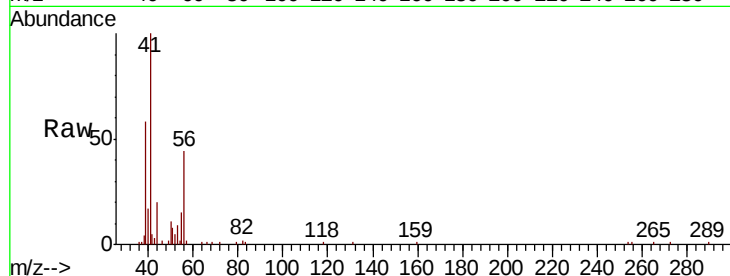




#16
 1,3-Butadiene
 Concen: 0.134 ppbv
 RT: 3.39 min Scan# 717
 Delta R.T. -0.02 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

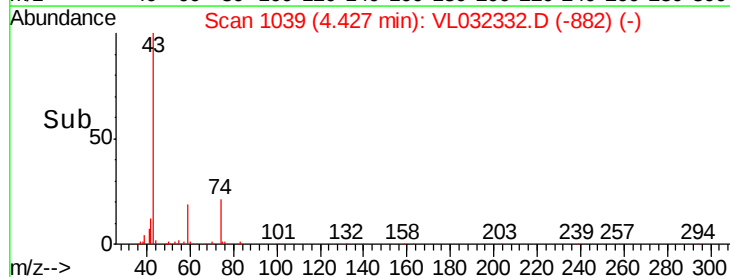
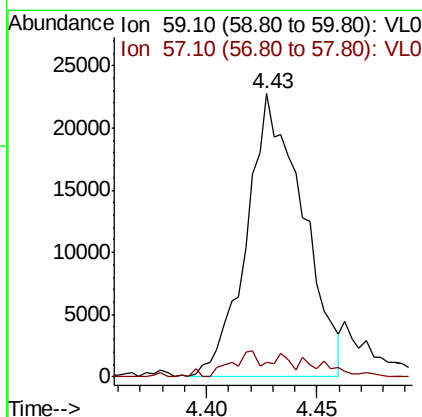
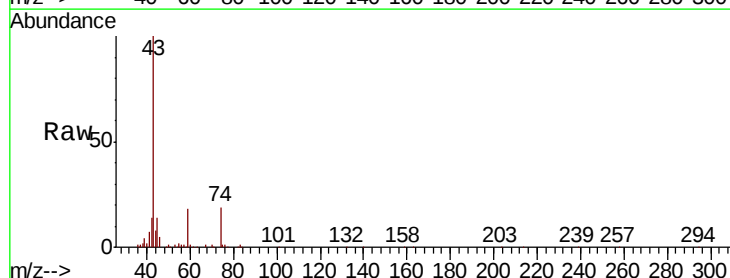
Instrument :
 MSVOA_L
 ClientSampleId :

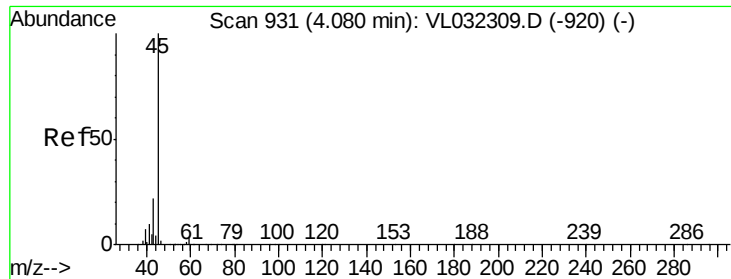
Tot Ion: 39 Resp: 11416
 Ion Ratio Lower Upper
 39 100
 54 30.7 74.3 111.5#



#17
 tert-Butyl alcohol
 Concen: 0.766 ppbv
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

Tgt Ion: 59 Resp: 40068
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#





#19

Isopropyl Alcohol

Concen: 6.452 ppbv

RT: 4.09 min Scan# 934

Delta R.T. 0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

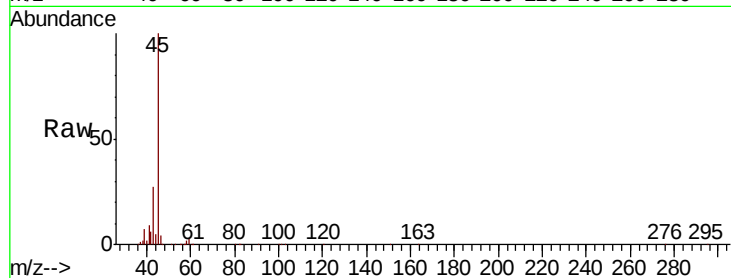
ClientSampleId :

Tot Ion: 45 Resp: 708926

Ion Ratio Lower Upper

45 100

58 3.2 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.09

400000

300000

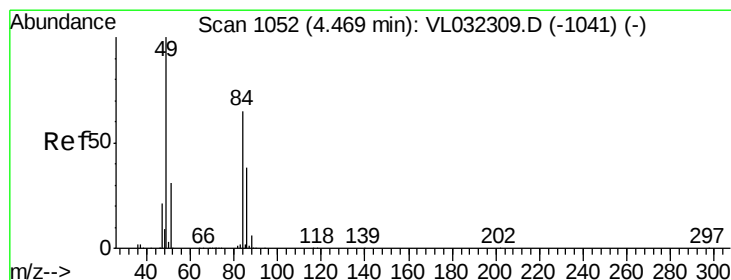
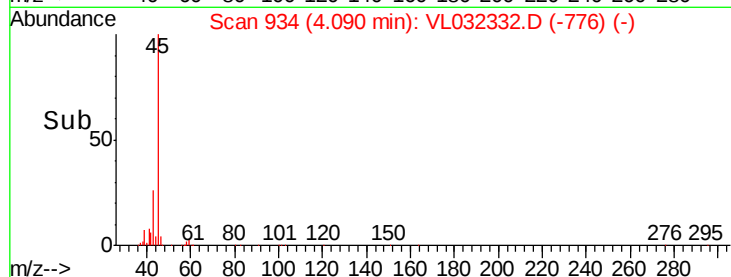
200000

100000

0

Time-->

4.05 4.10 4.15



#20

Methylene Chloride

Concen: 4.444 ppbv

RT: 4.47 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Tgt Ion: 84 Resp: 294150

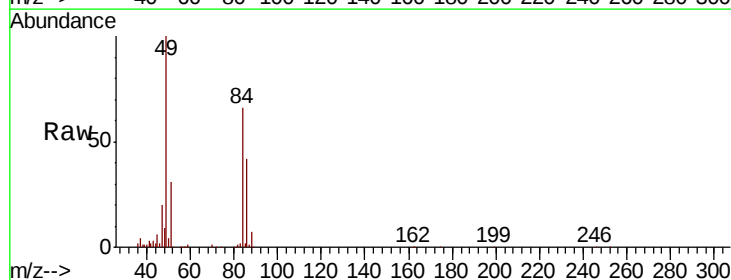
Ion Ratio Lower Upper

84 100

49 150.7 123.4 185.0

51 46.2 38.2 57.2

86 63.9 47.4 71.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.47

400000

300000

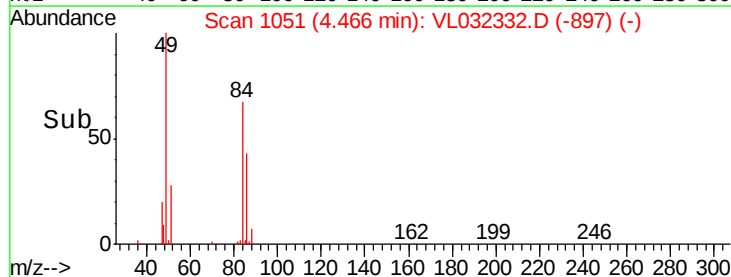
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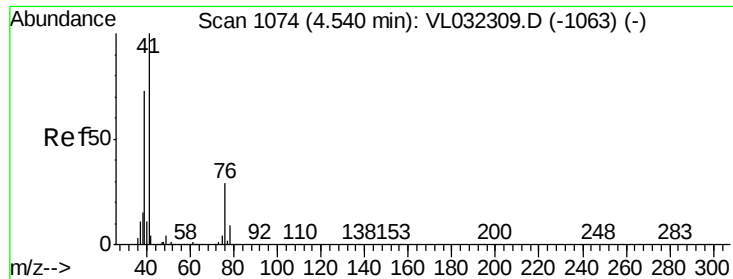
100000

0

Time-->

4.40 4.45 4.50

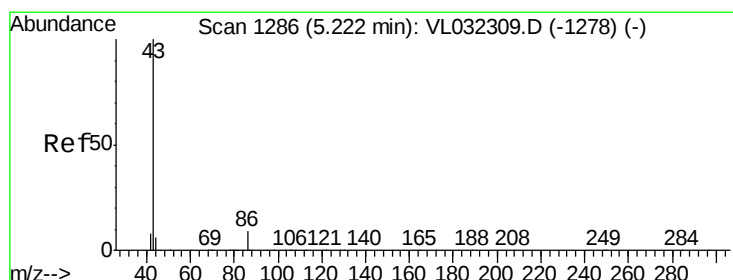
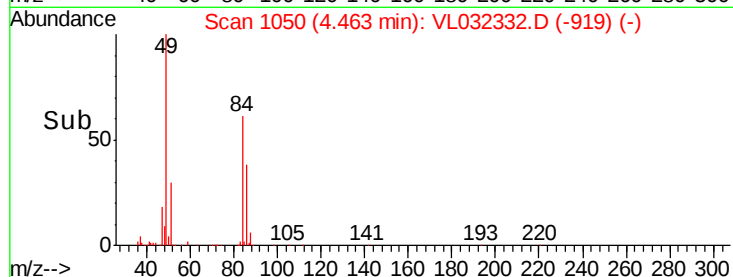
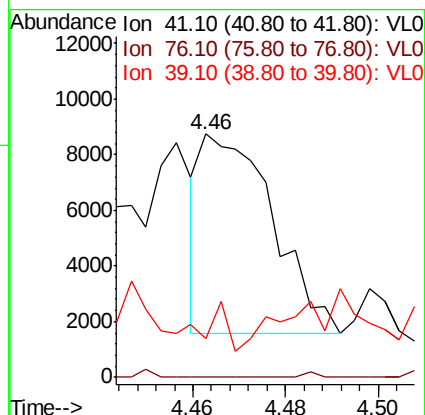
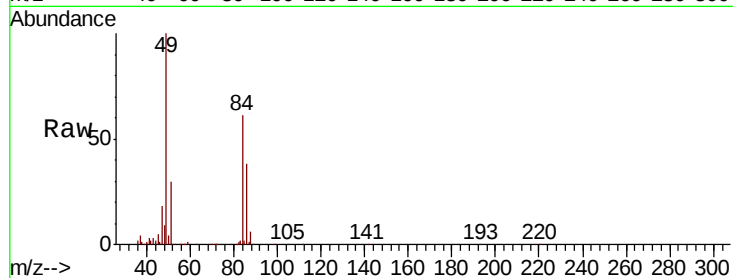




#21
Allvl Chloride
Concen: 0.068 ppbv
RT: 4.46 min Scan# 1050
Delta R.T. -0.08 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

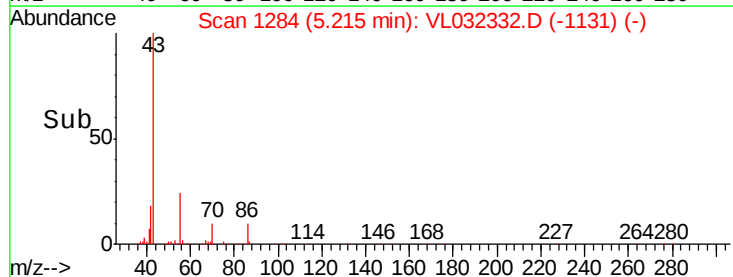
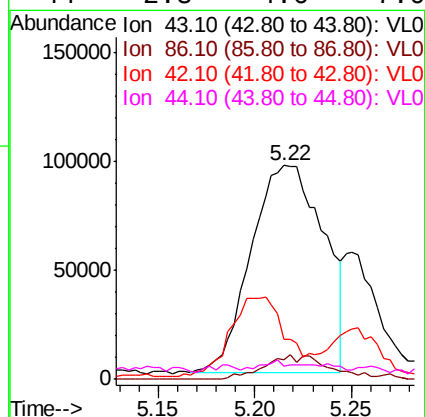
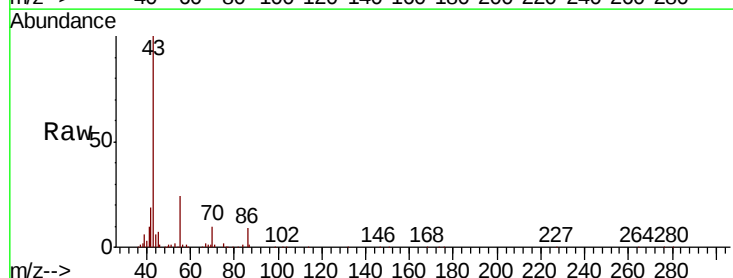
Instrument :
MSVOA_L
ClientSampleId :

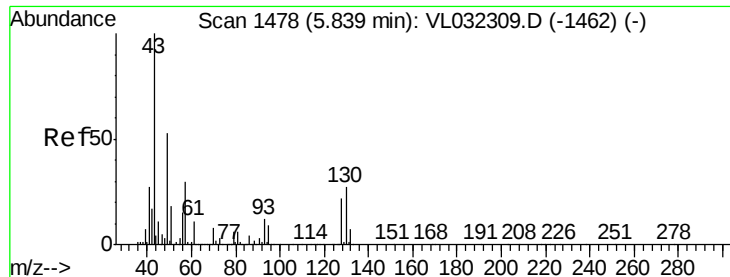
Tot Ion: 41 Resp: 7673
Ion Ratio Lower Upper
41 100
76 0.0 23.1 34.7#
39 73.2 58.2 87.2



#23
Vinyl Acetate
Concen: 0.840 ppbv
RT: 5.22 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion: 43 Resp: 248149
Ion Ratio Lower Upper
43 100
86 9.4 6.3 9.5
42 17.4 7.0 10.4#
44 2.8 4.6 7.0#

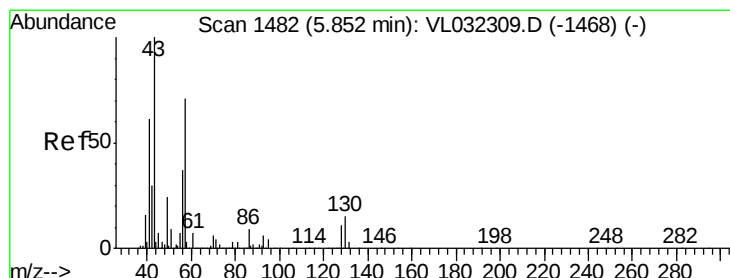
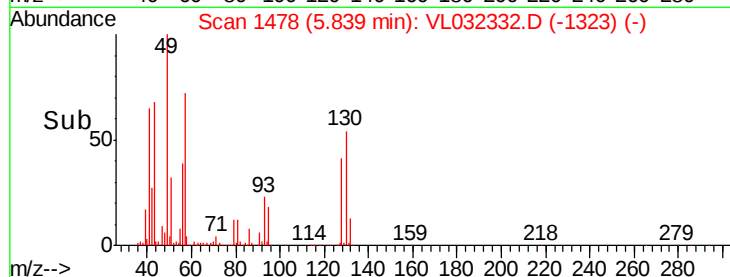
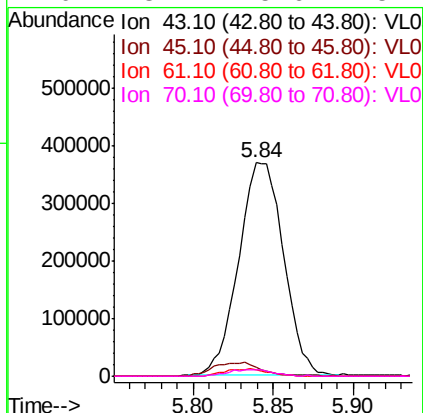
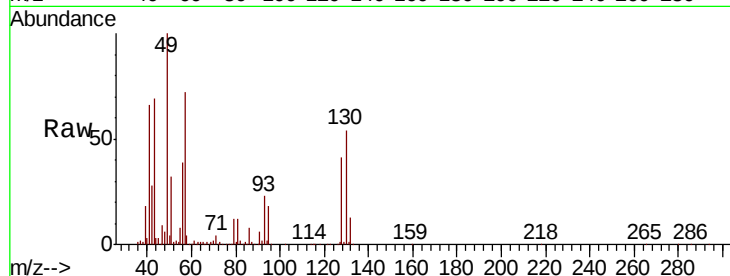




#25
Ethyl Acetate
Concen: 1.917 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

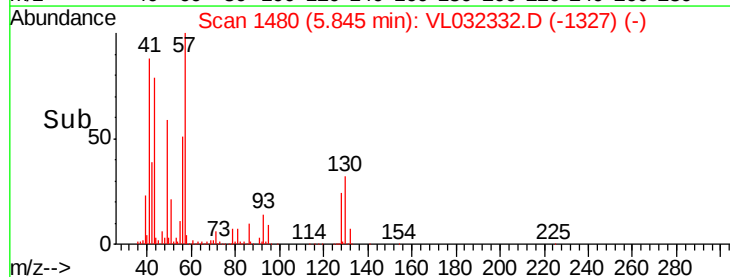
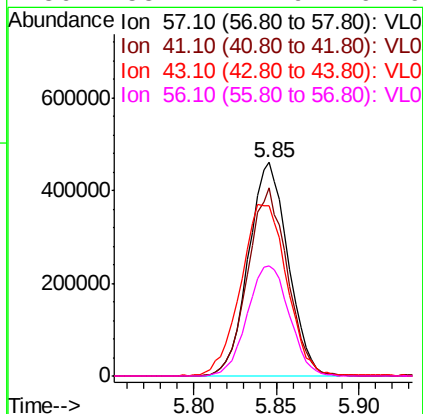
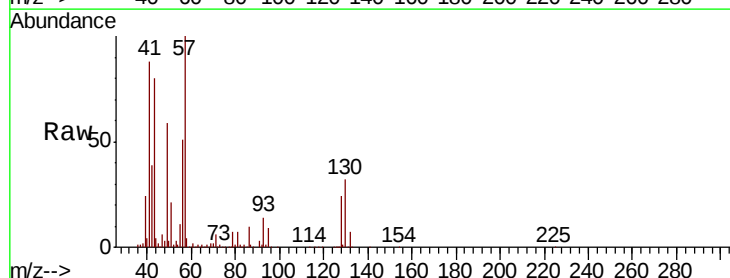
Instrument :
MSVOA_L
ClientSampleId :

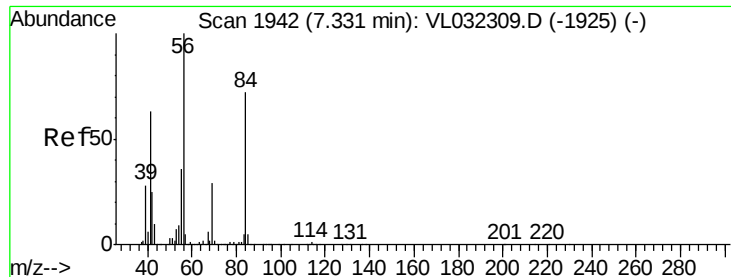
Tot Ion:	43	Resp:	708397
Ion	Ratio	Lower	Upper
43	100		
45	7.1	8.1	12.1#
61	3.5	7.4	11.0#
70	3.2	5.6	8.4#



#26
Hexane
Concen: 4.579 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion:	57	Resp:	765624
Ion	Ratio	Lower	Upper
57	100		
41	87.9	68.1	102.1
43	93.5	177.4	266.2#
56	55.2	41.9	62.9

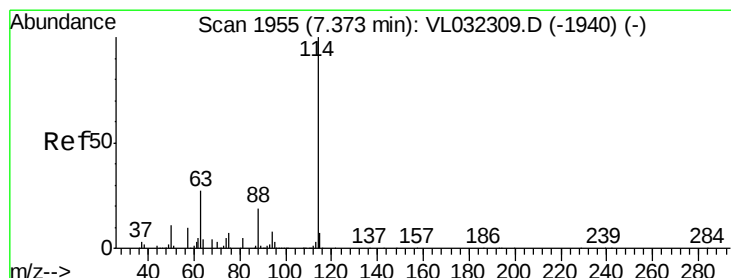
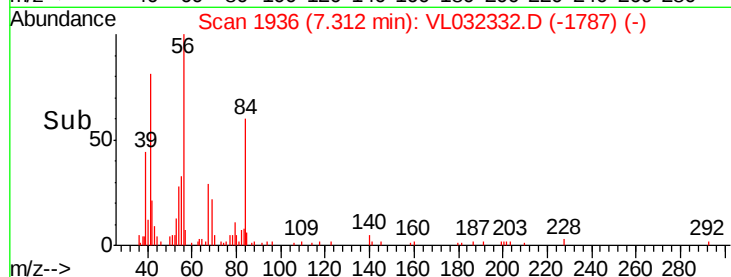
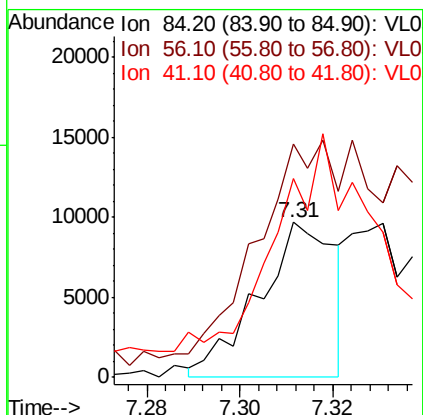
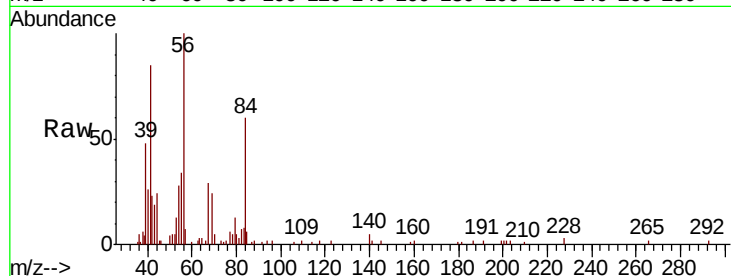




#30
Cyclohexane
Concen: 0.085 ppbv
RT: 7.31 min Scan# 1936
Delta R.T. -0.02 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

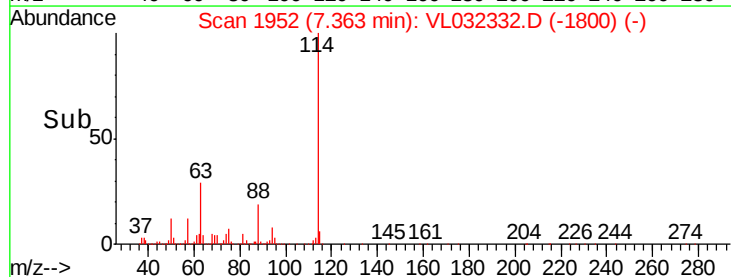
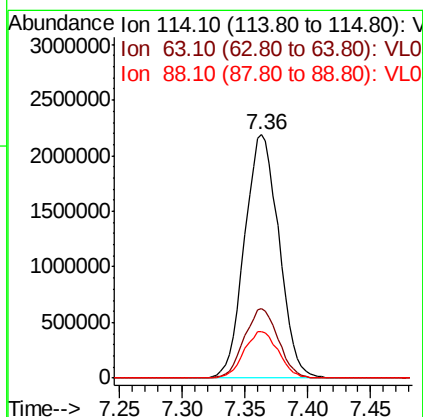
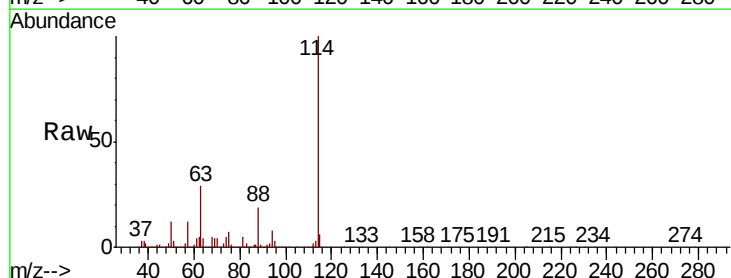
Instrument :
MSVOA_L
ClientSampleId :

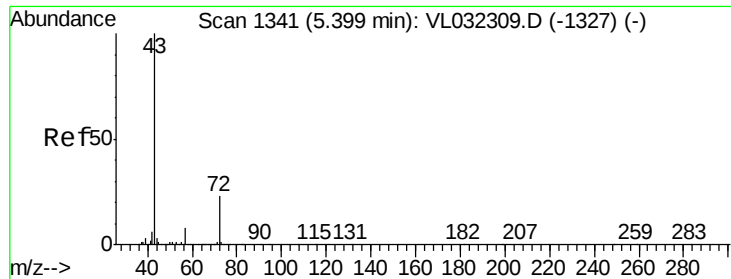
Tot Ion: 84 Resp: 11044
Ion Ratio Lower Upper
84 100
56 0.0 116.8 175.2#
41 242.1 70.0 105.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.36 min Scan# 1952
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion: 114 Resp: 4180243
Ion Ratio Lower Upper
114 100
63 28.4 22.4 33.6
88 19.2 15.3 22.9

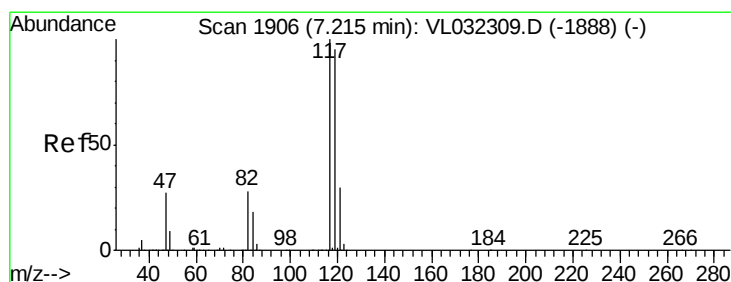
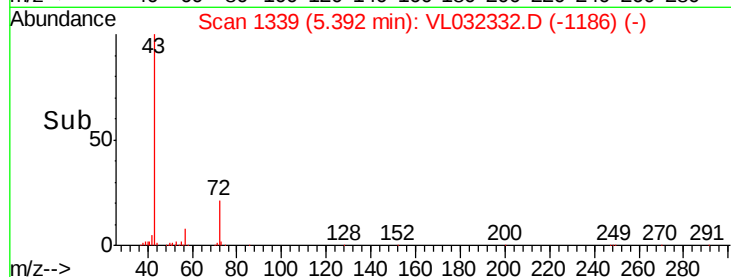
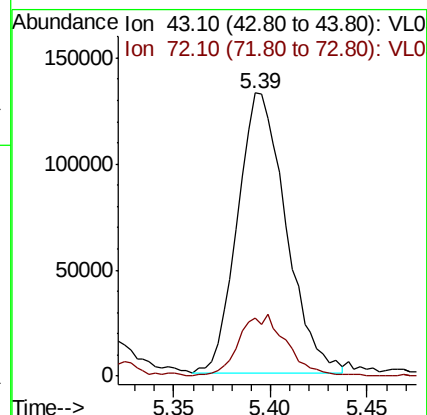
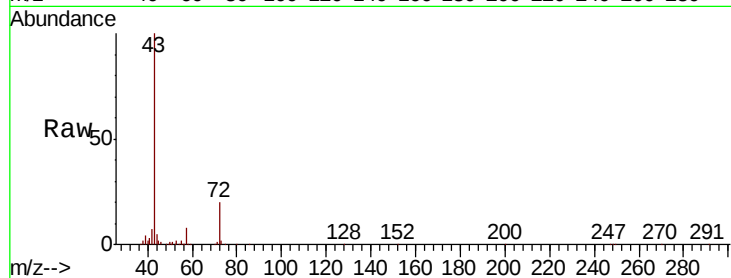




#34
2-Butanone
Concen: 0.852 ppbv
RT: 5.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

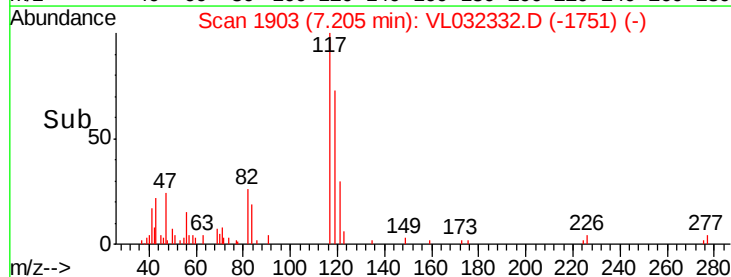
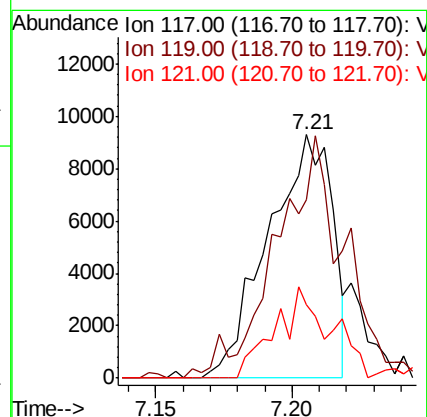
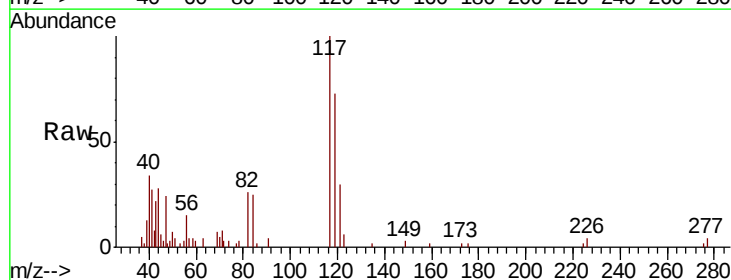
Instrument :
MSVOA_L
ClientSampled :

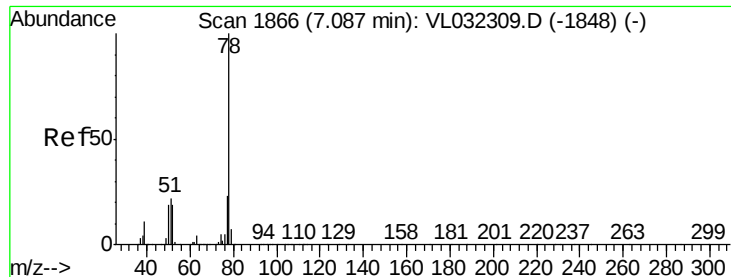
Tot Ion: 43 Resp: 230569
Ion Ratio Lower Upper
43 100
72 21.7 17.4 26.2



#35
Carbon Tetrachloride
Concen: 0.064 ppbv
RT: 7.21 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion: 117 Resp: 15201
Ion Ratio Lower Upper
117 100
119 71.9 76.1 114.1#
121 30.8 24.4 36.6

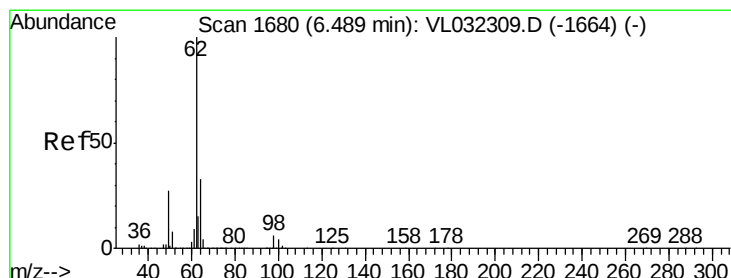
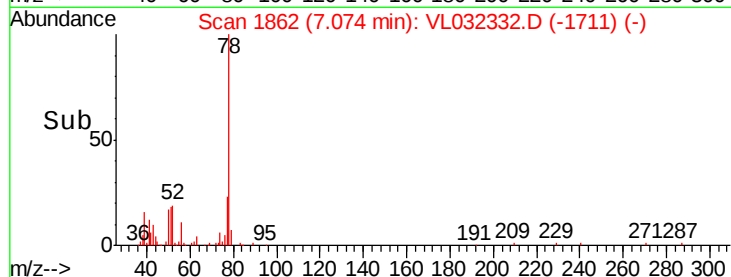
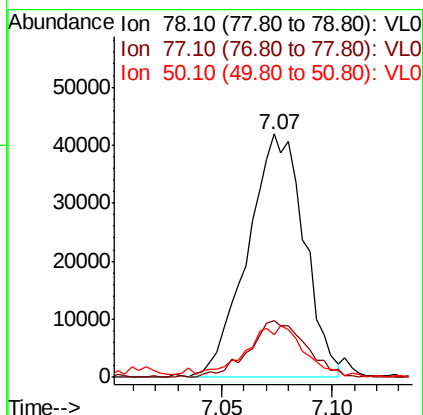
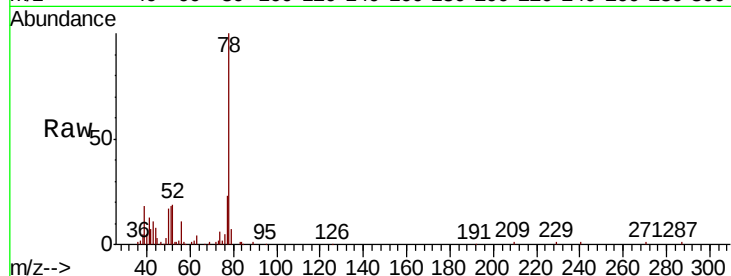




#36
Benzene
Concen: 0.202 ppbv
RT: 7.07 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

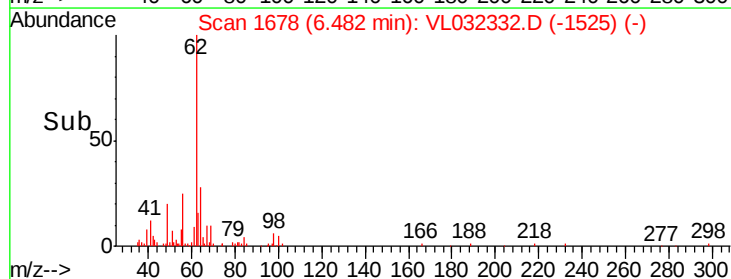
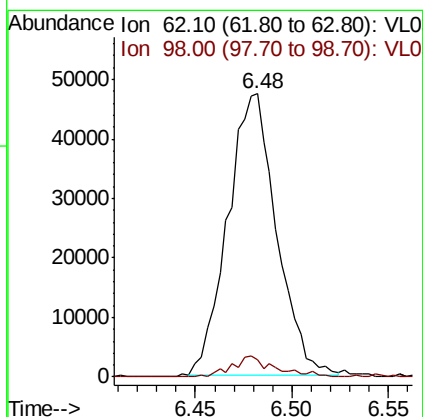
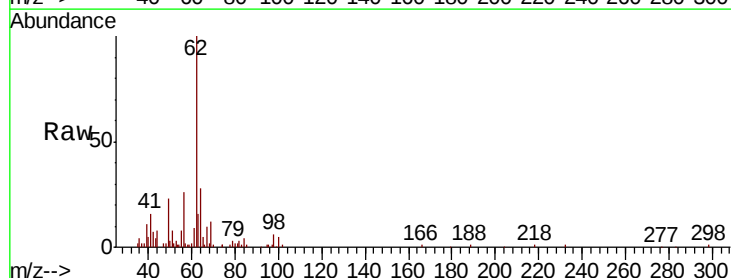
Instrument :
MSVOA_L
ClientSampleId :

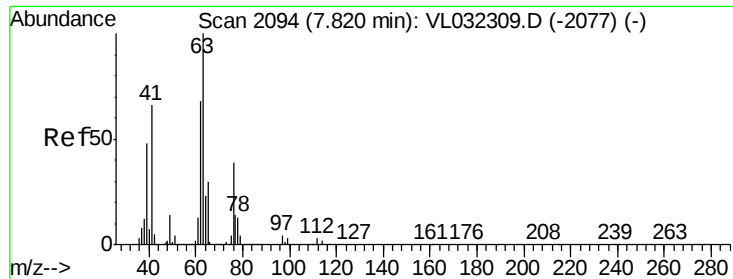
Tot Ion: 78 Resp: 74501
Ion Ratio Lower Upper
78 100
77 22.7 18.4 27.6
50 14.3 15.3 22.9#



#37
1,2-Dichloroethane
Concen: 0.391 ppbv
RT: 6.48 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion: 62 Resp: 83259
Ion Ratio Lower Upper
62 100
98 6.4 5.1 7.7

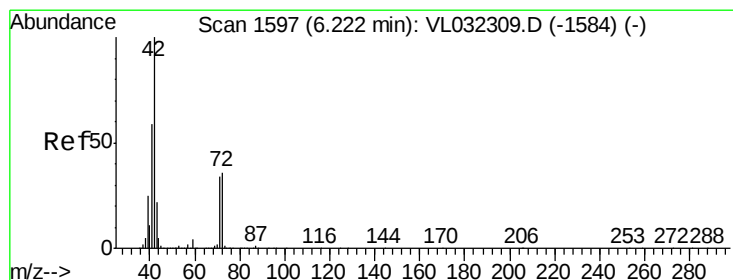
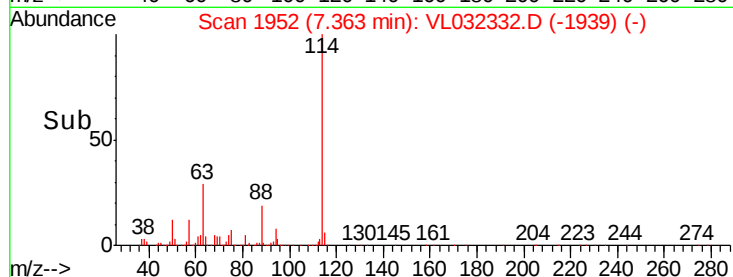
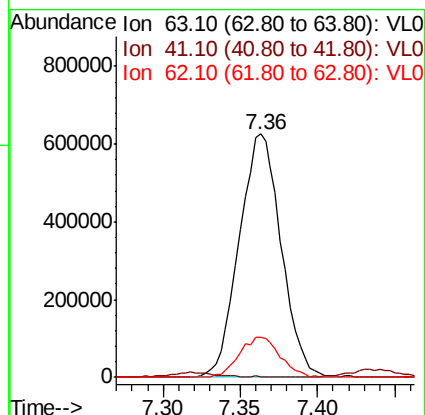
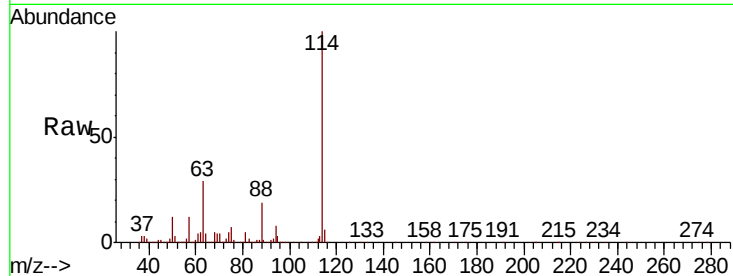




#39
 1,2-Dichloropropane
 Concen: 6.333 ppbv
 RT: 7.36 min Scan# 1952
 Delta R.T. -0.46 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

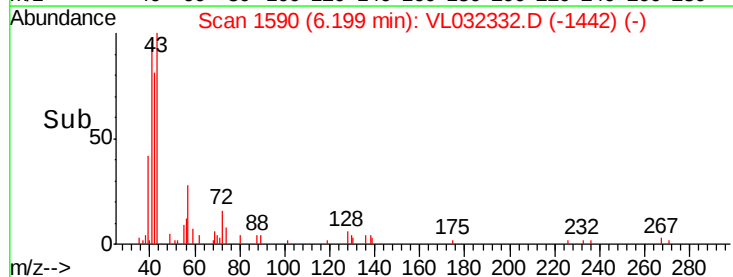
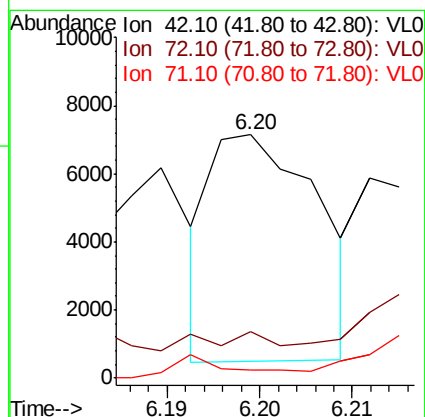
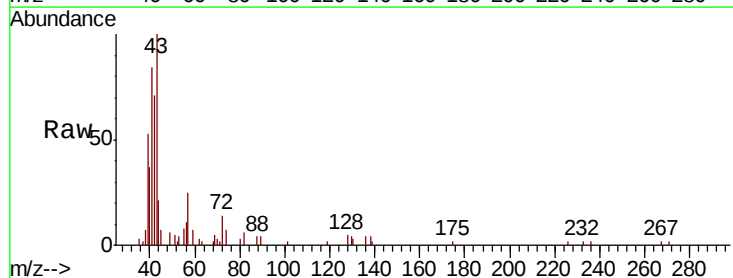
Instrument :
 MSVOA_L
 ClientSampleId :

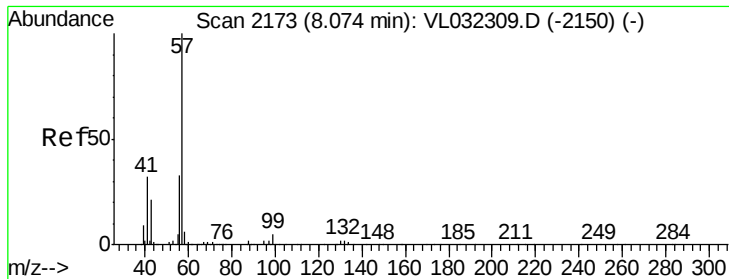
Tot Ion: 63 Resp: 1174049
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.5 78.7#
 62 16.4 54.6 81.8#



#41
 Tetrahydrofuran
 Concen: 0.035 ppbv
 RT: 6.20 min Scan# 1590
 Delta R.T. -0.02 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

Tgt Ion: 42 Resp: 5355
 Ion Ratio Lower Upper
 42 100
 72 0.0 28.6 42.8#
 71 0.0 27.8 41.6#

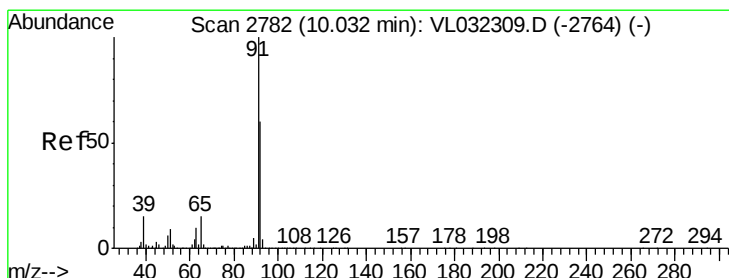
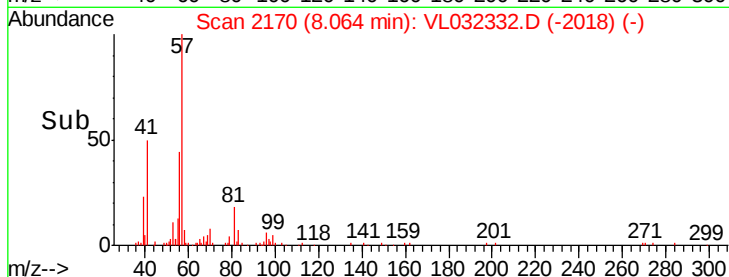
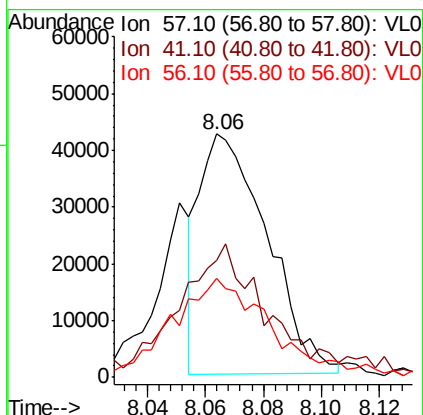
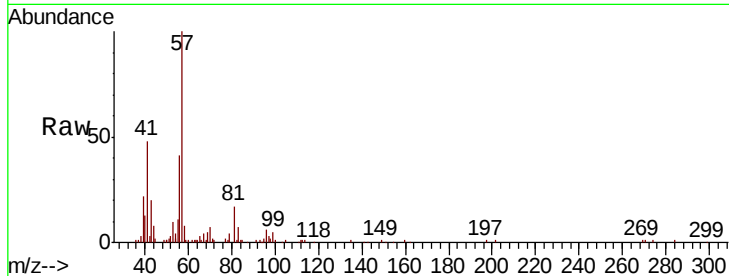




#44
 2,2,4-Trimethylpentane
 Concen: 0.085 ppbv
 RT: 8.06 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

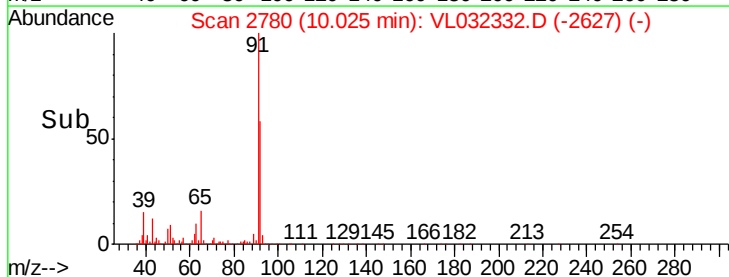
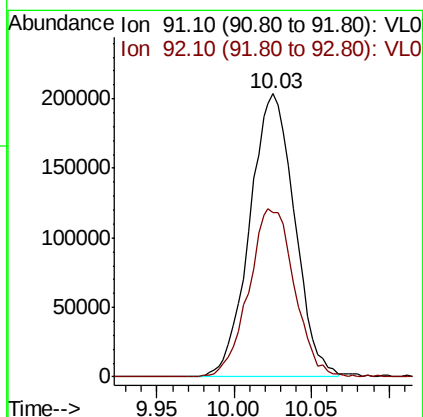
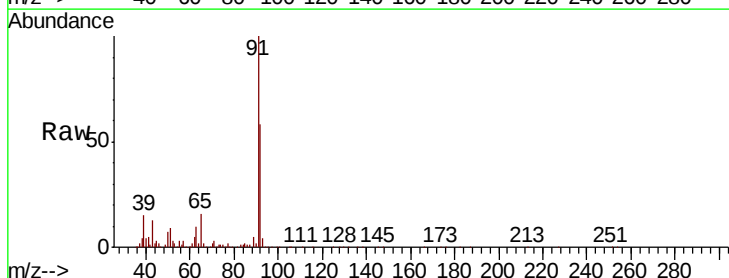
Instrument :
 MSVOA_L
 ClientSampled :

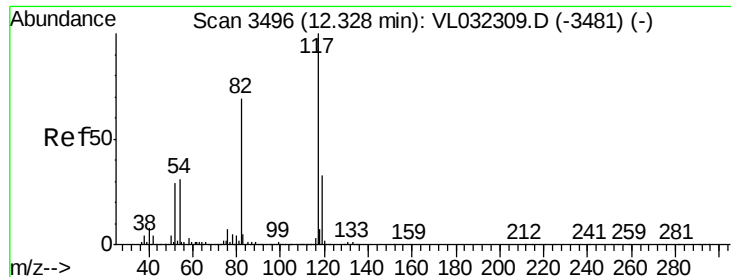
Tot Ion: 57 Resp: 68182
 Ion Ratio Lower Upper
 57 100
 41 73.3 24.3 36.5#
 56 63.1 25.4 38.2#



#53
 Toluene
 Concen: 0.933 ppbv
 RT: 10.03 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

Tgt Ion: 91 Resp: 410951
 Ion Ratio Lower Upper
 91 100
 92 60.3 48.6 72.8

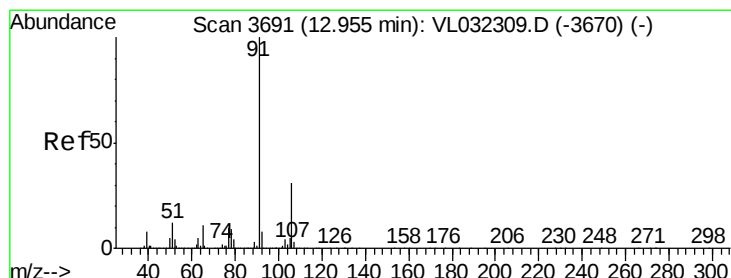
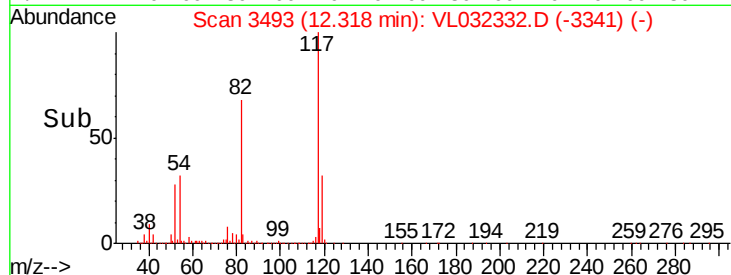
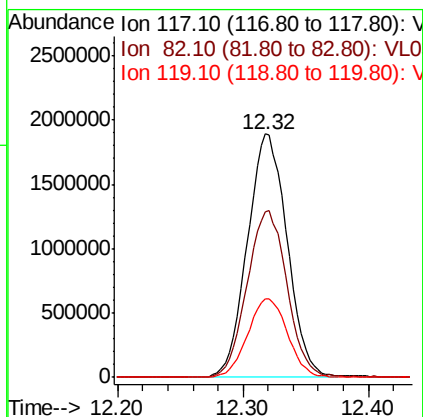
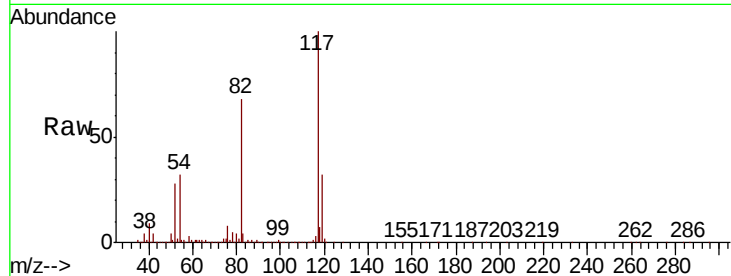




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.32 min Scan# 3493
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

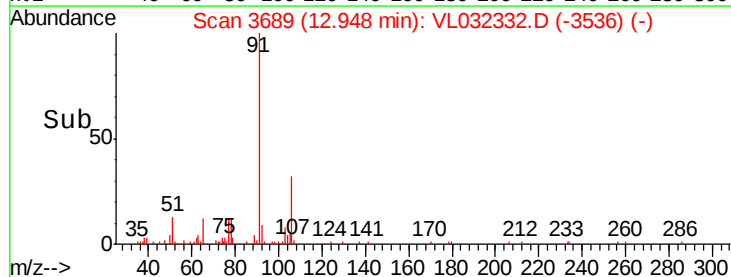
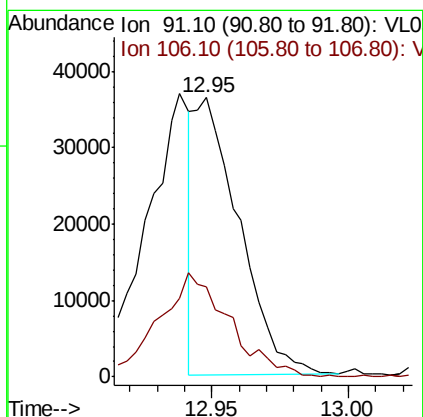
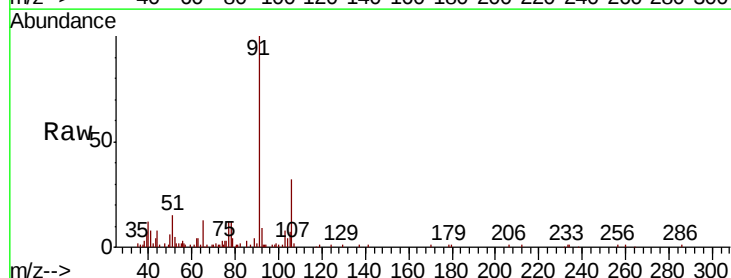
Instrument :
MSVOA_L
ClientSampled :

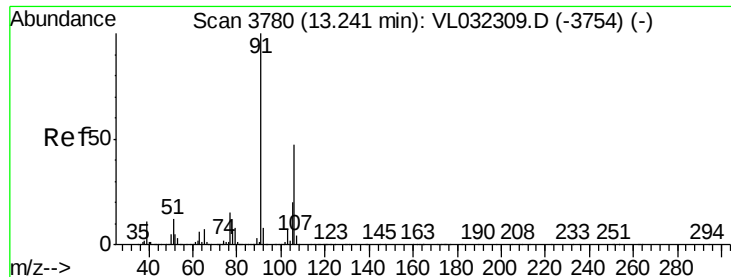
Tot Ion:117 Resp: 4175986
Ion Ratio Lower Upper
117 100
82 69.3 52.6 78.8
119 32.6 25.7 38.5



#58
Ethyl Benzene
Concen: 0.078 ppbv
RT: 12.95 min Scan# 3689
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion: 91 Resp: 40689
Ion Ratio Lower Upper
91 100
106 32.8 25.0 37.4





#59

m/p-Xylene

Concen: 0.791 ppbv

RT: 13.20 min Scan# 3767

Delta R.T. -0.04 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

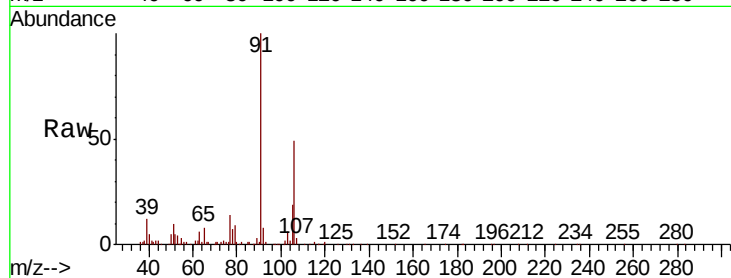
ClientSampled :

Tot Ion: 91 Resp: 352636

Ion Ratio Lower Upper

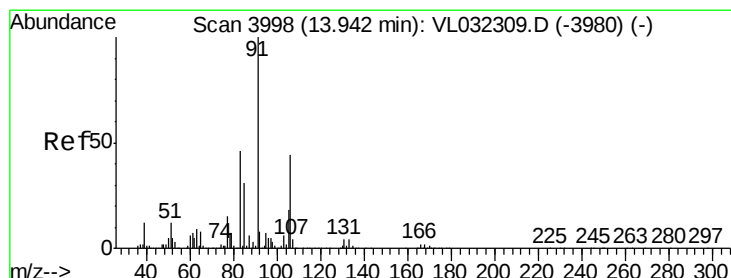
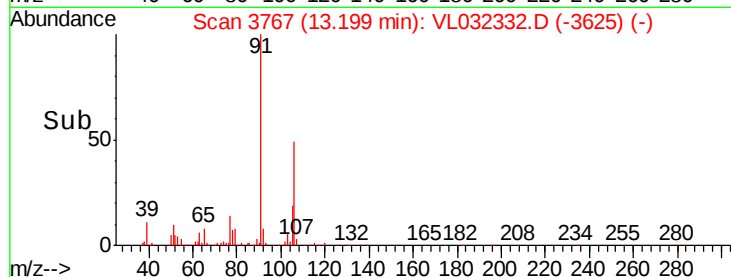
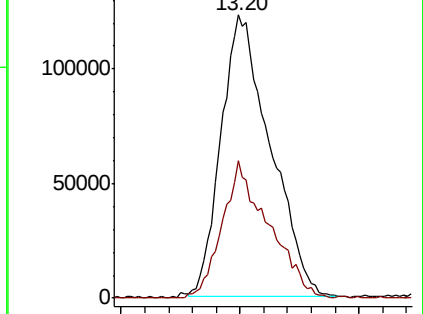
91 100

106 46.0 36.4 54.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.365 ppbv

RT: 13.93 min Scan# 3995

Delta R.T. -0.01 min

Lab File: VL032332.D

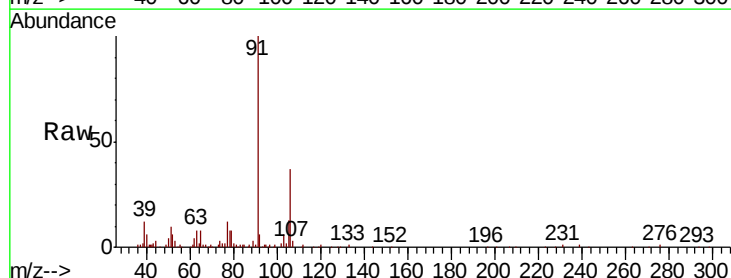
Acq: 1 Aug 2018 21:14

Tgt Ion: 91 Resp: 159471

Ion Ratio Lower Upper

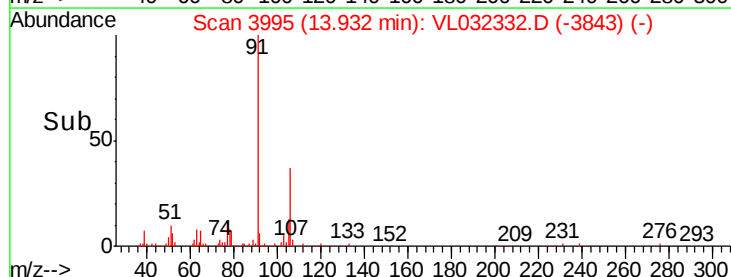
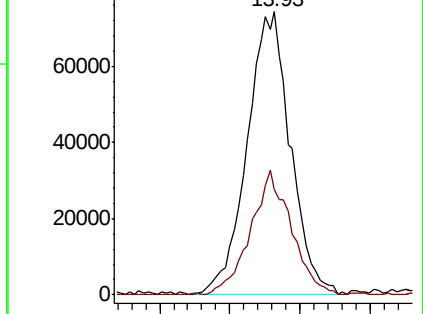
91 100

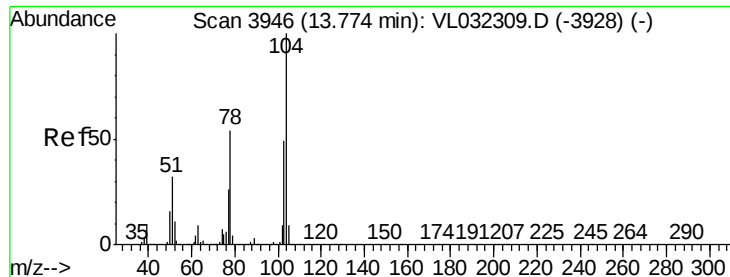
106 41.7 22.4 67.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.149 ppbv

RT: 13.76 min Scan# 3943

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

ClientSampleId :

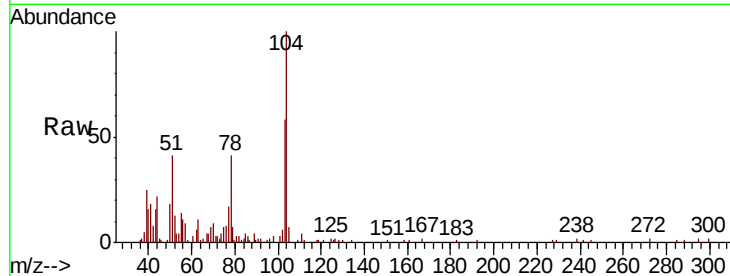
Tot Ion:104 Resp: 47921

Ion Ratio Lower Upper

104 100

78 57.7 42.6 63.8

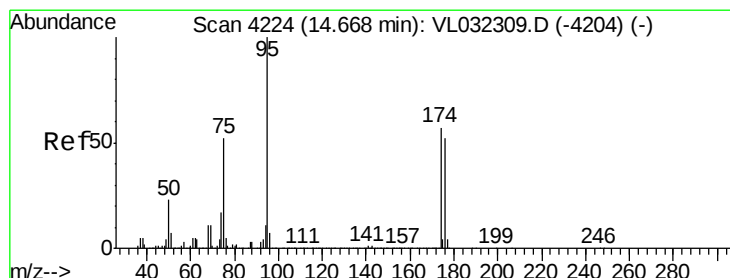
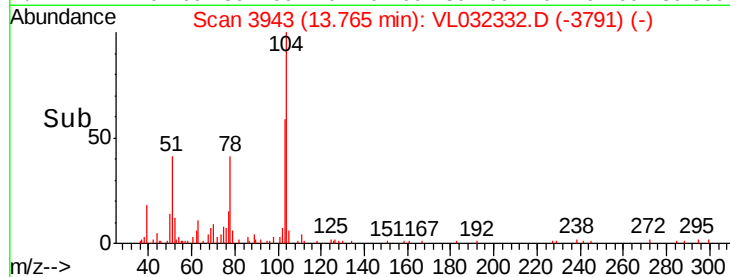
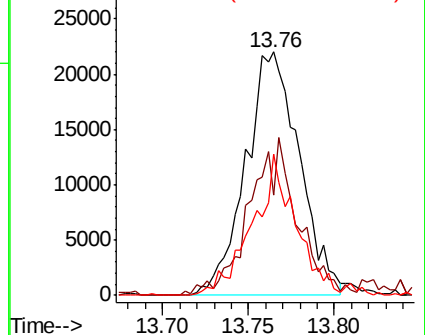
103 48.1 38.0 57.0



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



#68

1-Bromo-4-Fluorobenzene

Concen: 10.322 ppbv

RT: 14.65 min Scan# 4219

Delta R.T. -0.02 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

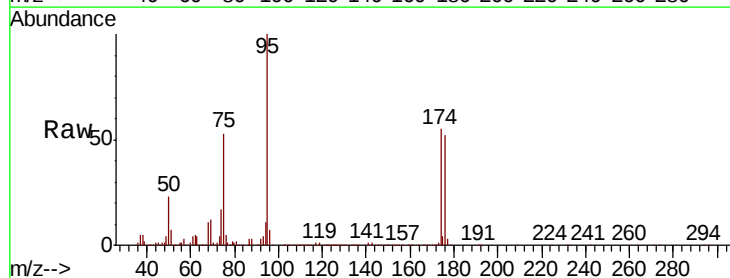
Tgt Ion: 95 Resp: 3345765

Ion Ratio Lower Upper

95 100

174 56.0 45.5 68.3

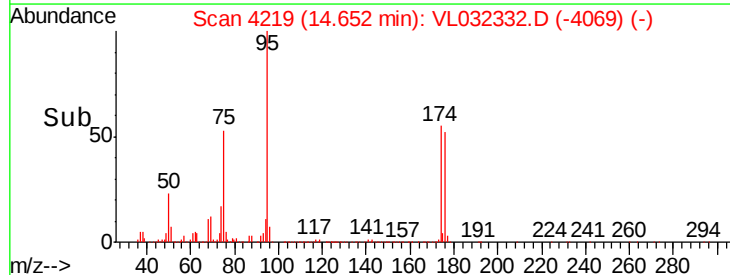
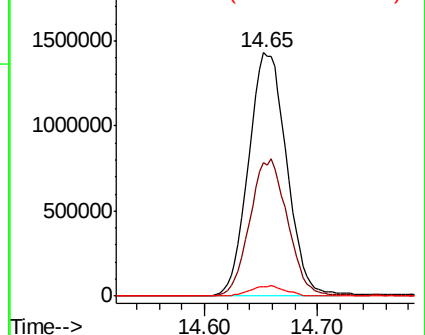
175 4.0 3.3 4.9

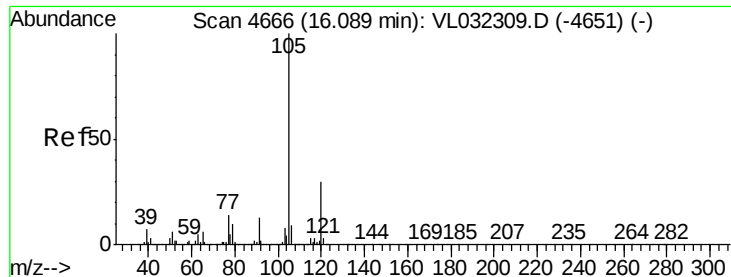


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.158 ppbv

RT: 16.08 min Scan# 4662

Delta R.T. -0.01 min

Lab File: VL032332.D

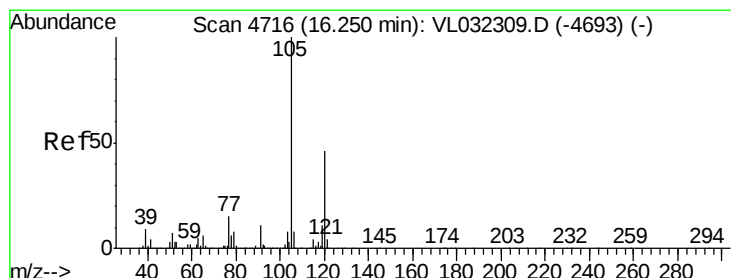
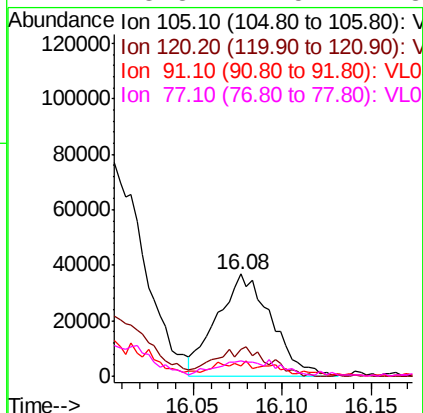
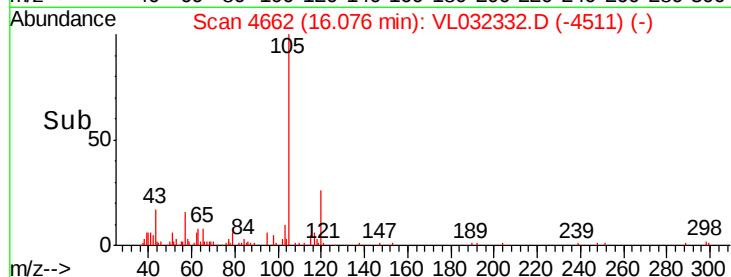
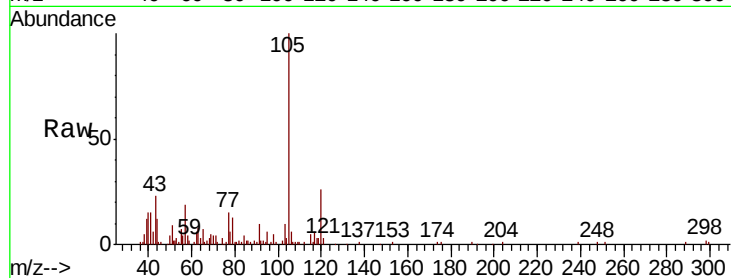
Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	77481
Ion	Ratio	Lower	Upper
105	100		
120	26.8	23.1	34.7
91	16.8	10.0	15.0#
77	18.8	11.5	17.3#



#73

1,3,5-Trimethylbenzene

Concen: 0.076 ppbv

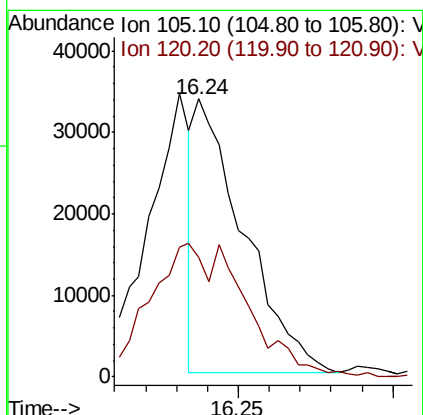
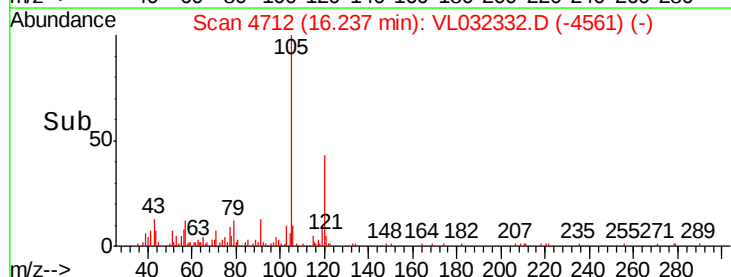
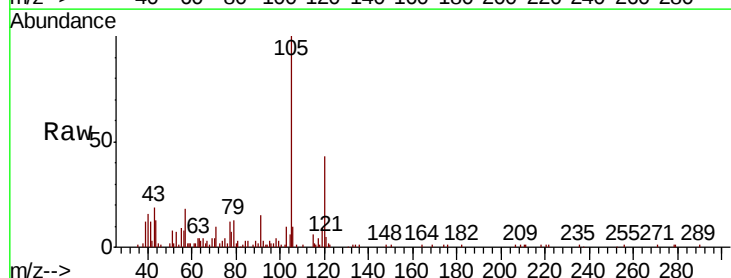
RT: 16.24 min Scan# 4712

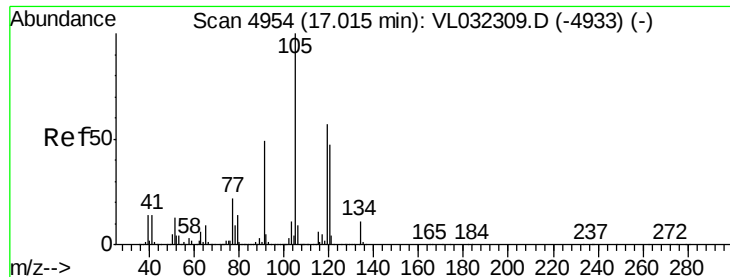
Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Tgt Ion:	105	Resp:	36725
Ion	Ratio	Lower	Upper
105	100		
120	45.5	36.5	54.7

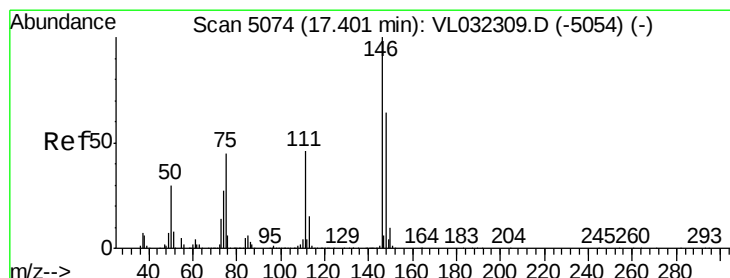
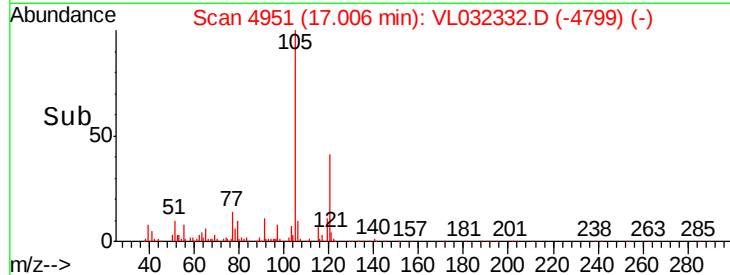
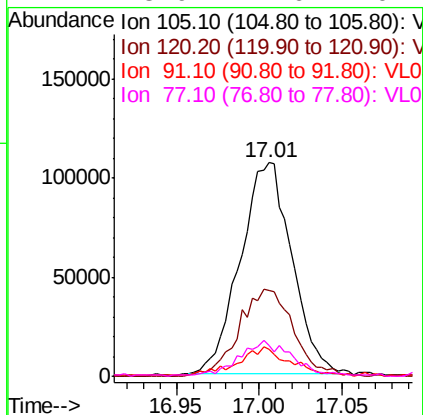
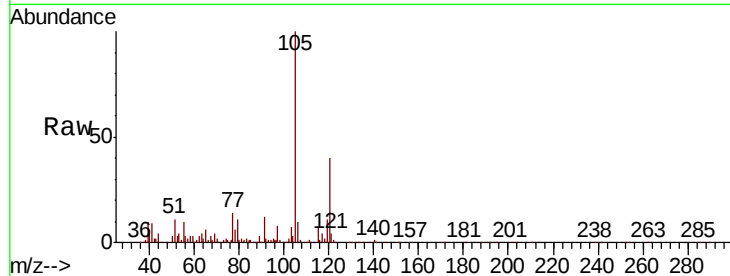




#74
 1,2,4-Trimethylbenzene
 Concen: 0.455 ppbv
 RT: 17.01 min Scan# 4951
 Delta R.T. -0.01 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

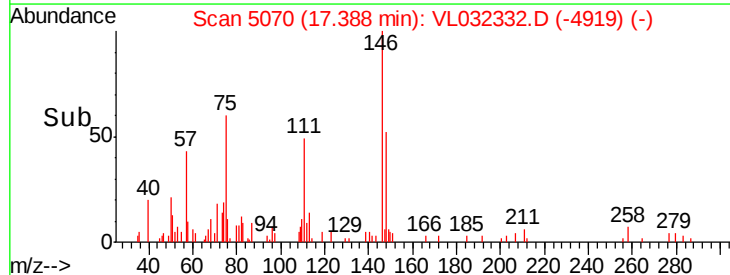
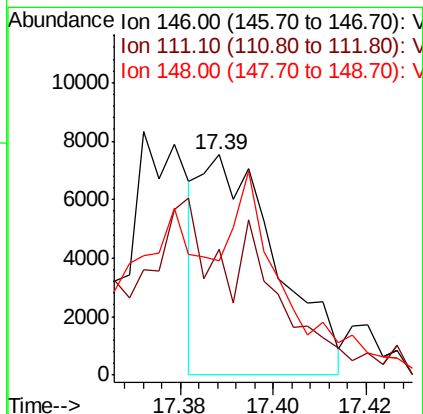
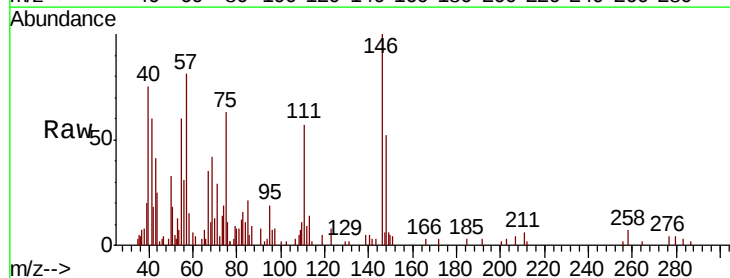
Instrument :
 MSVOA_L
 ClientSampleId :

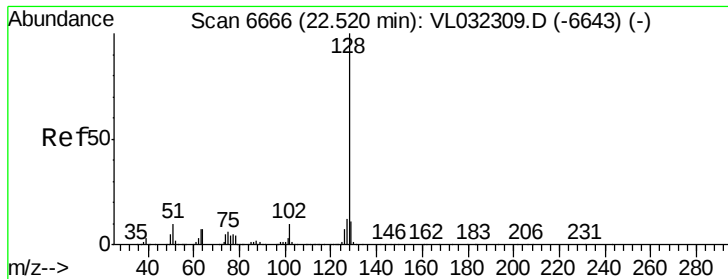
Tot Ion	Ratio	Lower	Upper
105	100		
120	40.0	37.8	56.6
91	11.9	39.4	59.0#
77	13.9	17.6	26.4#



#76
 1,4-Dichlorobenzene
 Concen: 0.031 ppbv
 RT: 17.39 min Scan# 5070
 Delta R.T. -0.01 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.6	70.8#
148	156.5	32.1	96.3#





#79

Naphthalene

Concen: 0.553 ppbv

RT: 22.51 min Scan# 6662

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

ClientSampleId :

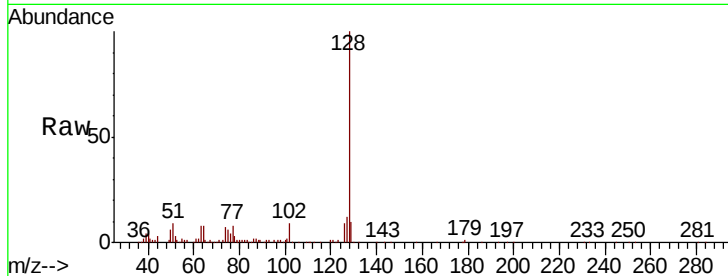
Tot Ion:128 Resp: 243771

Ion Ratio Lower Upper

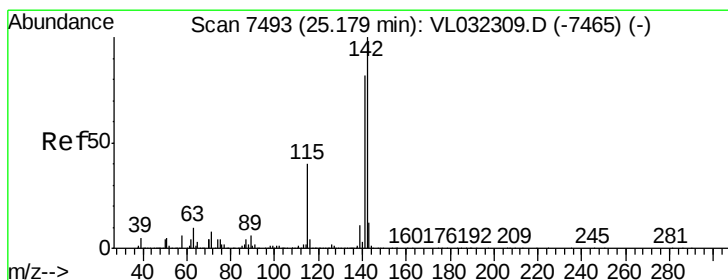
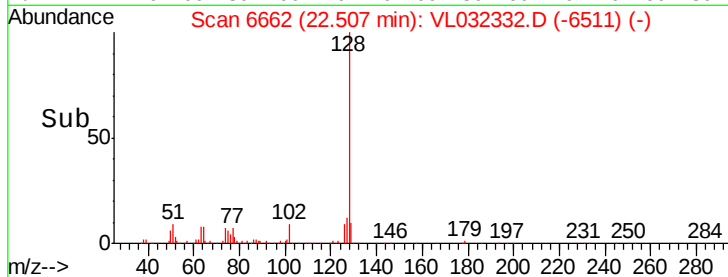
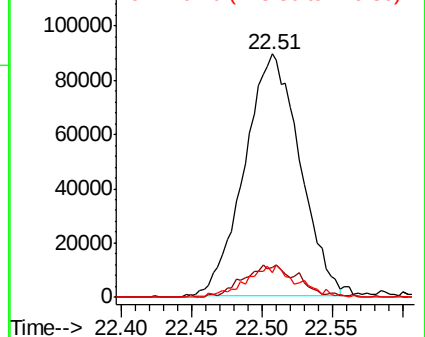
128 100

127 11.8 9.9 14.9

129 9.8 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.059 ppbv

RT: 25.17 min Scan# 7491

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

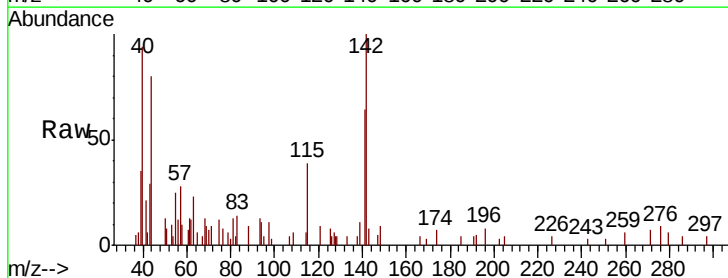
Tgt Ion:142 Resp: 10279

Ion Ratio Lower Upper

142 100

141 85.0 66.7 100.1

115 43.9 31.1 46.7



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

