

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032320.D
 Acq On : 27 Jul 2018 15:39
 Operator : SY/AP
 Sample : J4131-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 23:18:22 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	1603620	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3097689	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	3730191	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	2942372	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.12	85	43249	0.224	ppbv 99
3) Chlorodifluoromethane	3.06	51	11275281	70.319	ppbv # 87
4) Chloromethane	3.22	50	85189	0.878	ppbv 96
8) Dichlorotetrafluoroethane	3.21	85	8278	0.042	ppbv # 57
9) Propene	3.29	41	573126	7.950	ppbv 95
10) Heptane	8.33	43	228055	0.901	ppbv 97
11) Trichlorofluoromethane	4.06	101	54870	0.297	ppbv 88
12) 1,1,2-Trichlorotrifluoroet	4.62	101	7389	0.059	ppbv # 59
13) Ethanol	3.71	45	226398	10.927	ppbv 99
15) Acetone	3.95	43	2092290	13.843	ppbv 99
16) 1,3-Butadiene	3.39	39	188733	2.409	ppbv # 10
17) tert-Butyl alcohol	4.43	59	21110	0.439	ppbv # 73
19) Isopropyl Alcohol	4.09	45	16745	0.166	ppbv # 95
20) Methylene Chloride	4.47	84	1505796	24.787	ppbv 98
21) Allyl Chloride	4.47	41	66125	0.641	ppbv # 30
23) Vinyl Acetate	5.21	43	28758	0.106	ppbv # 1
25) Ethyl Acetate	5.85	43	1604318	4.730	ppbv # 82
26) Hexane	5.85	57	1908174	12.433	ppbv # 47
27) Carbon Disulfide	4.68	76	71005	0.509	ppbv # 90
28) Methyl tert-Butyl Ether	5.18	73	194319	0.936	ppbv 96
29) Chloroform	5.92	83	85769	0.384	ppbv 94
30) Cyclohexane	7.33	84	124918	1.043	ppbv # 68
31) cis-1,2-Dichloroethene	5.84	61	33263	0.234	ppbv # 32
34) 2-Butanone	5.40	43	1215512	6.062	ppbv 98
35) Carbon Tetrachloride	7.21	117	12036	0.068	ppbv 95
36) Benzene	7.08	78	85714	0.314	ppbv 95
37) 1,2-Dichloroethane	6.49	62	32381	0.205	ppbv # 85
39) 1,2-Dichloropropane	7.37	63	849637	6.185	ppbv # 27
41) Tetrahydrofuran	6.49	42	14267	0.126	ppbv # 40
42) Bromodichloromethane	8.00	83	16415	0.064	ppbv # 73
44) 2,2,4-Trimethylpentane	8.07	57	121302	0.205	ppbv # 44
50) 4-Methyl-2-Pentanone	8.97	43	76673	0.217	ppbv 99
51) 2-Hexanone	10.36	43	84681	0.314	ppbv # 54
53) Toluene	10.03	91	1295107	3.968	ppbv 98
58) Ethyl Benzene	12.95	91	467938	1.001	ppbv 96
59) m/p-Xylene	13.21	91	1256019	3.155	ppbv 100
60) o-Xylene	13.93	91	674681	1.728	ppbv 98
61) Styrene	13.77	104	393762	1.371	ppbv 99
62) Isopropylbenzene	14.91	105	113537	0.205	ppbv 98
64) n-propylbenzene	15.81	120	8445	0.058	ppbv # 1
69) p-Isopropyltoluene	17.90	119	37590	0.069	ppbv # 47

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ClientSampleId :

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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

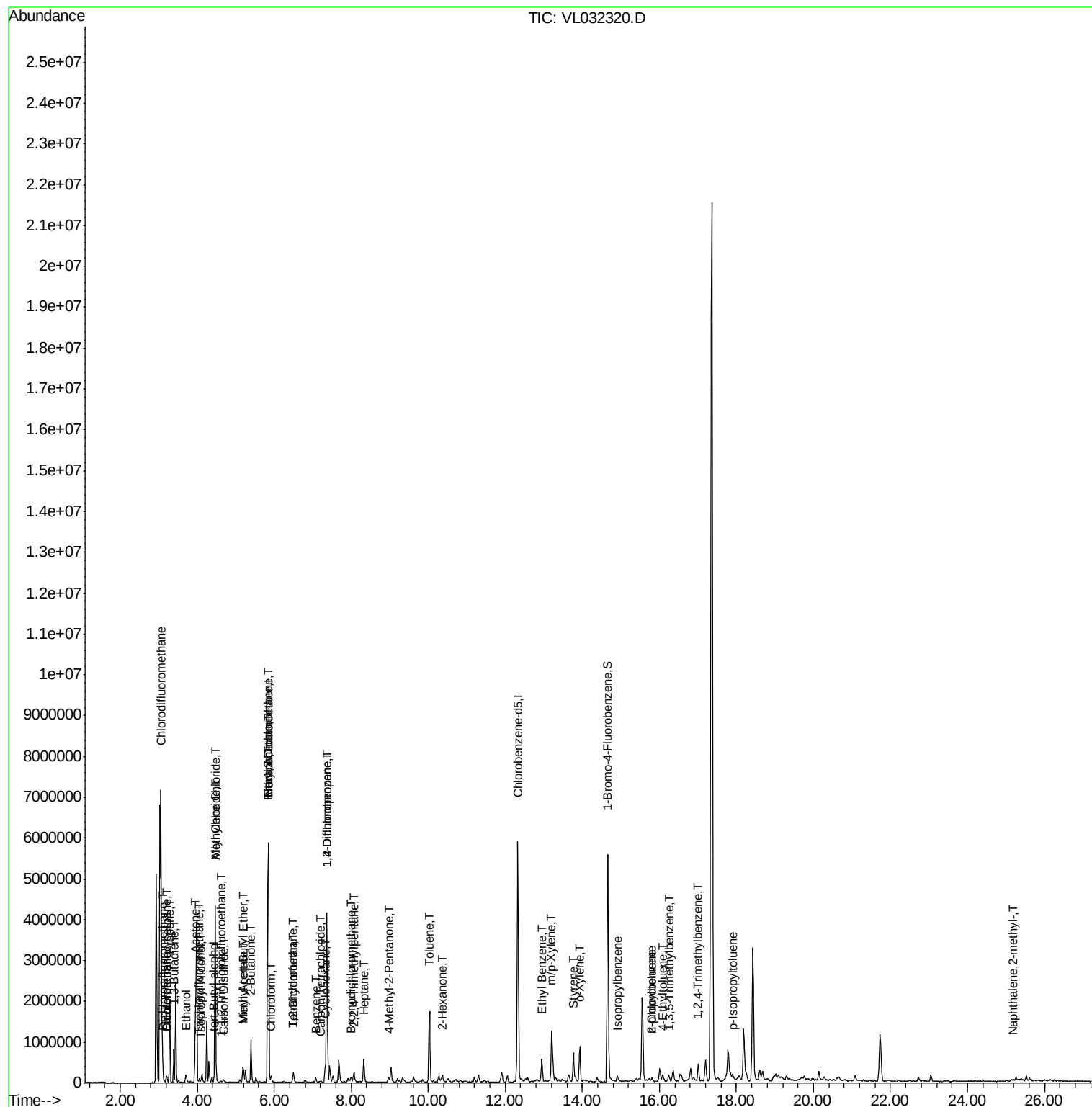
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.81	91	48808	0.112	ppbv #	47
72) 4-Ethyltoluene	16.08	105	80397	0.184	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.25	105	42800	0.099	ppbv	95
74) 1,2,4-Trimethylbenzene	17.01	105	279441	0.616	ppbv #	73
80) Naphthalene,2-methyl-	25.18	142	6040	0.039	ppbv #	90

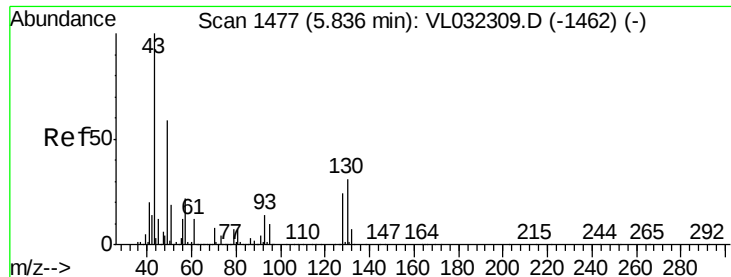
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

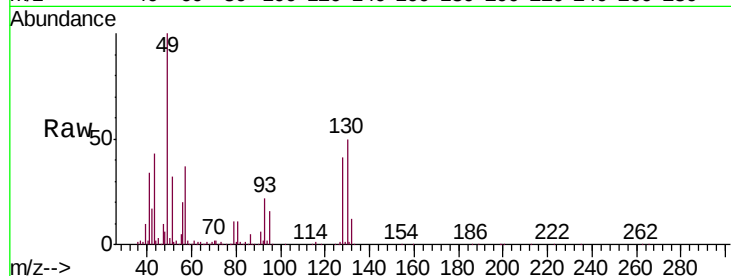
Tot Ion: 49 Resp: 1603620

Ion Ratio Lower Upper

49 100

128 40.0 20.2 60.6

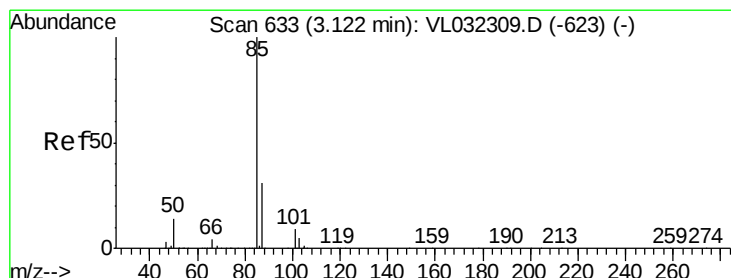
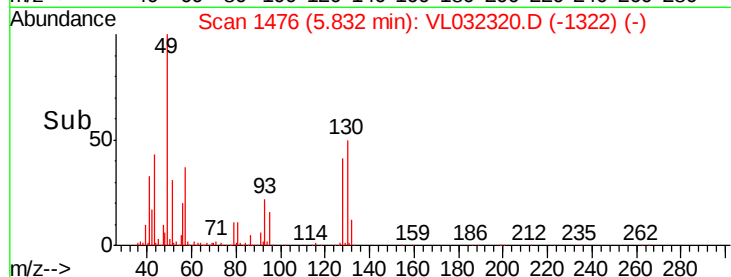
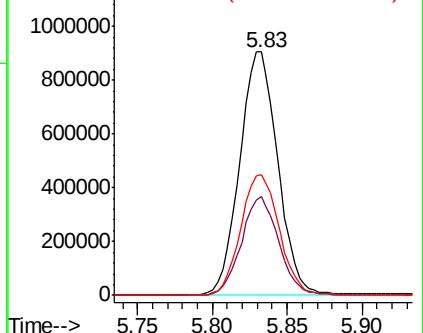
130 50.9 25.8 77.3



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



#2

Dichlorodifluoromethane

Concen: 0.224 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL032320.D

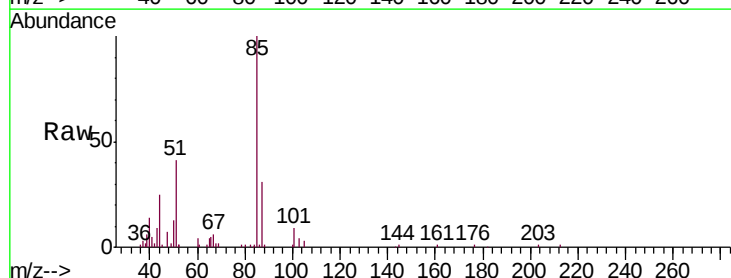
Acq: 27 Jul 2018 15:39

Tgt Ion: 85 Resp: 43249

Ion Ratio Lower Upper

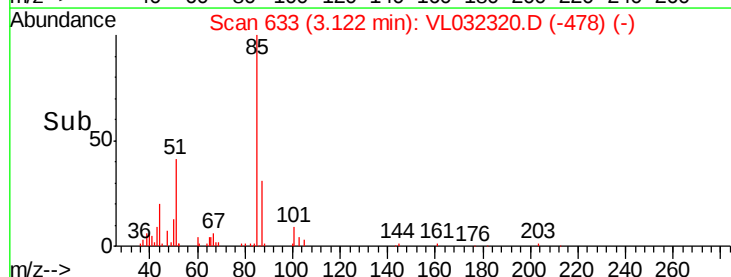
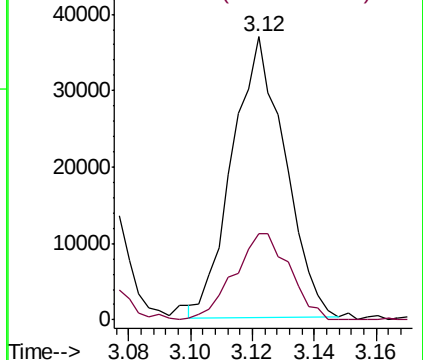
85 100

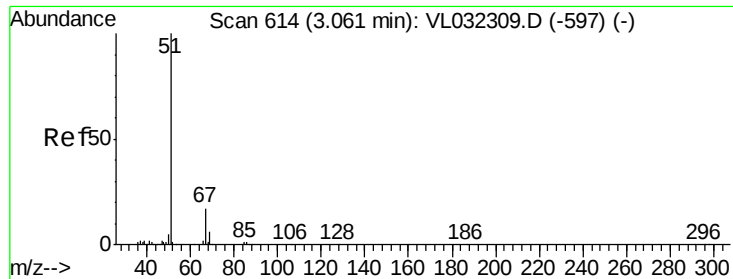
87 30.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

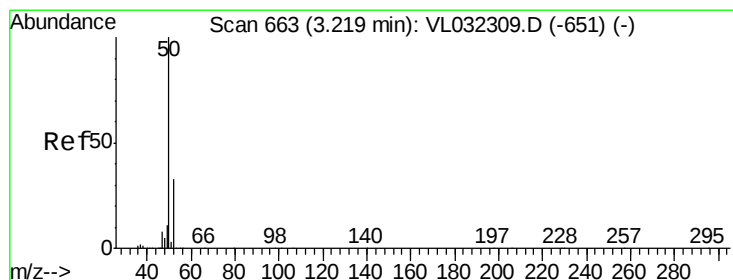
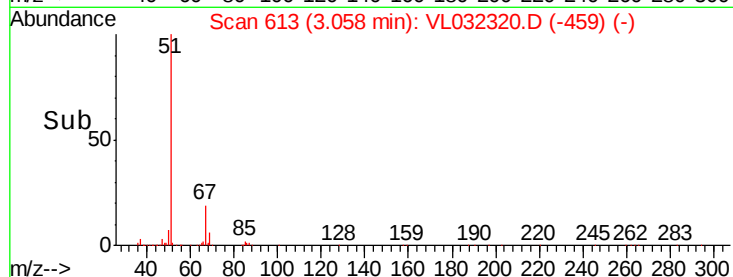
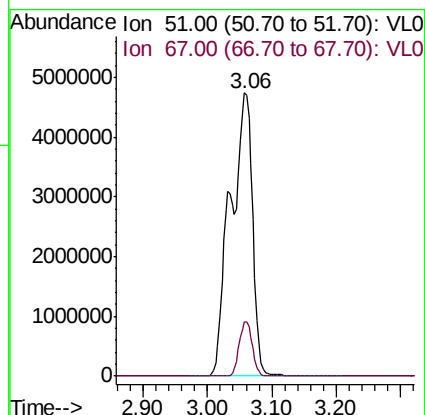
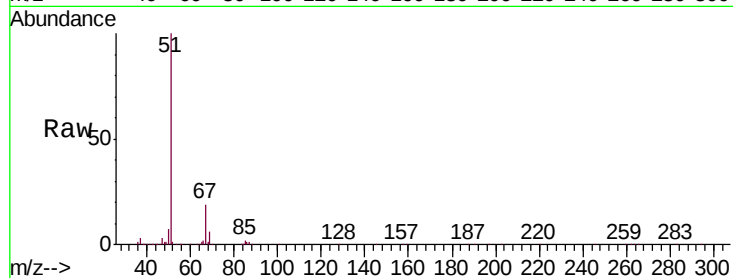




#3
 Chlorodifluoromethane
 Concen: 70.319 ppbv
 RT: 3.06 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

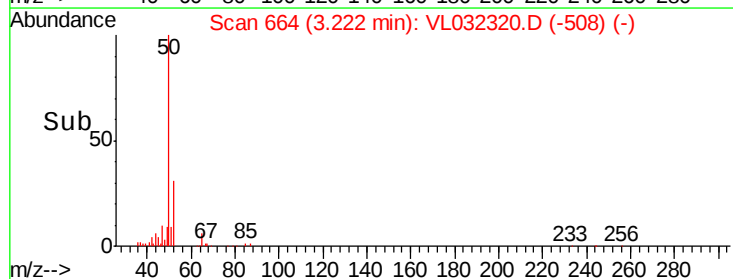
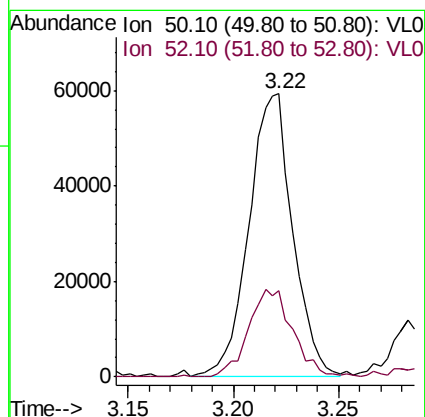
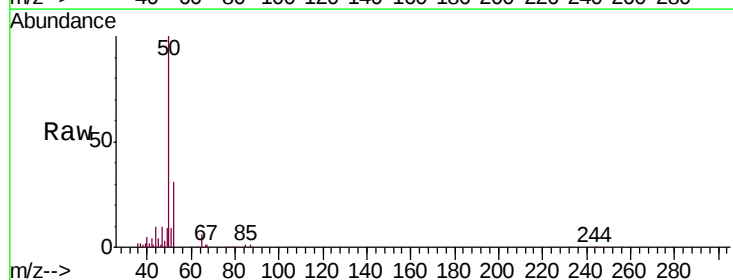
Instrument :
 MSVOA_L
 ClientSampleId :

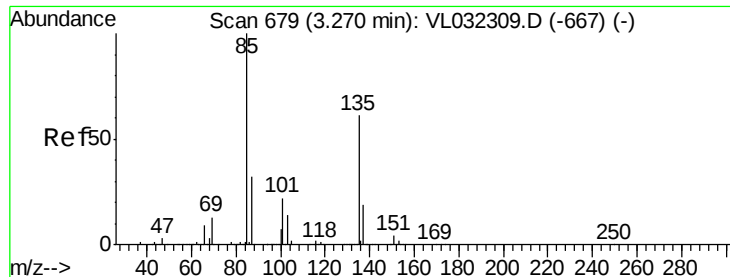
Tot Ion: 51 Resp: 11275281
 Ion Ratio Lower Upper
 51 100
 67 11.4 13.5 20.3#



#4
 Chloromethane
 Concen: 0.878 ppbv
 RT: 3.22 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

Tgt Ion: 50 Resp: 85189
 Ion Ratio Lower Upper
 50 100
 52 30.8 26.2 39.4





#8

Dichlorotetrafluoroethane

Concen: 0.042 ppbv

RT: 3.21 min Scan# 659

Delta R.T. -0.06 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

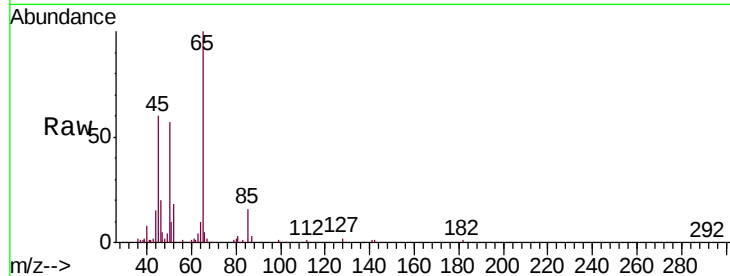
ClientSampleId :

Tot Ion: 85 Resp: 8278

Ion Ratio Lower Upper

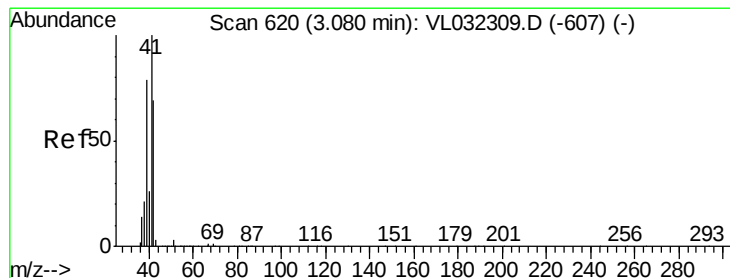
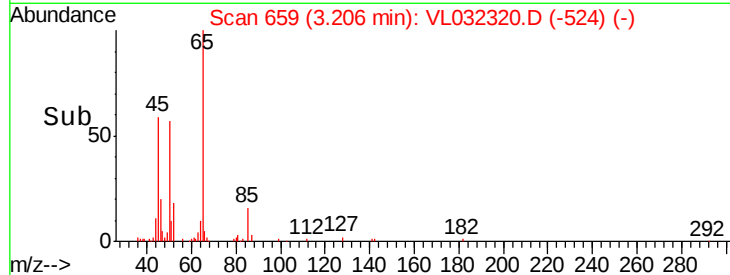
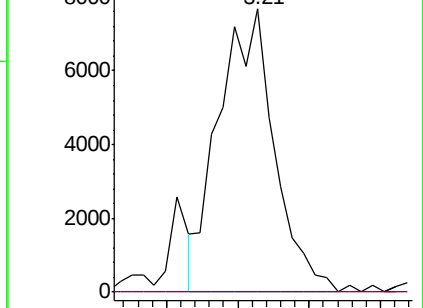
85 100

135 27.8 48.7 73.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 7.950 ppbv

RT: 3.29 min Scan# 684

Delta R.T. 0.21 min

Lab File: VL032320.D

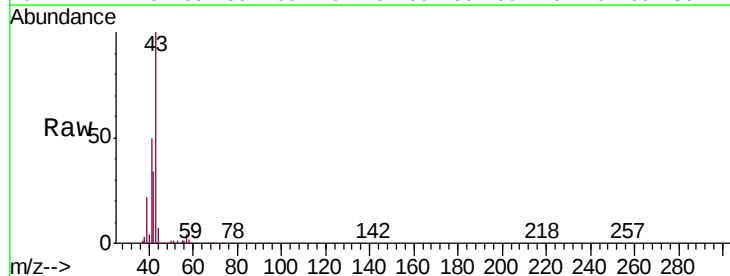
Acq: 27 Jul 2018 15:39

Tgt Ion: 41 Resp: 573126

Ion Ratio Lower Upper

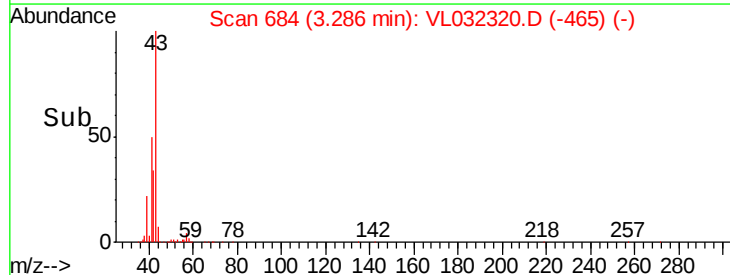
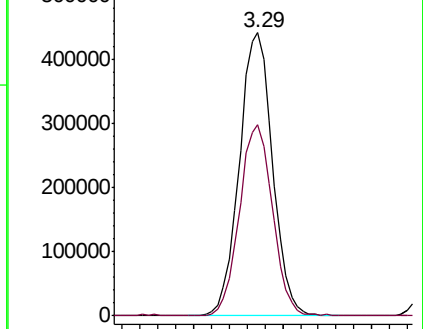
41 100

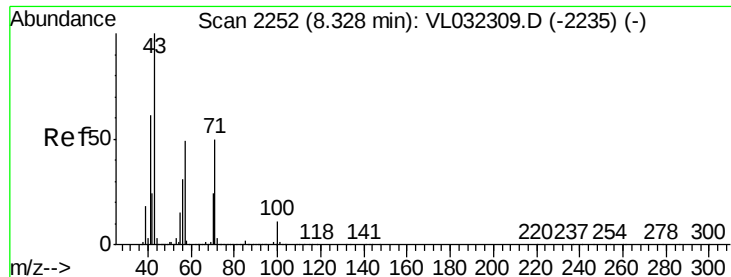
42 67.3 56.8 85.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

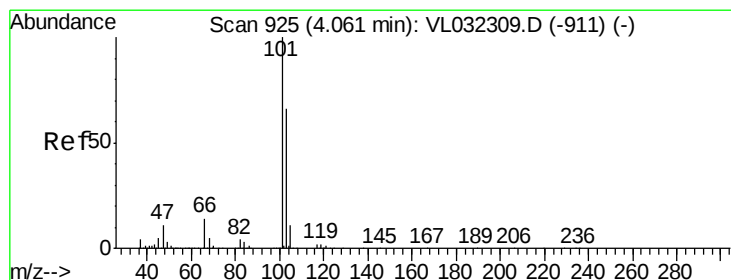
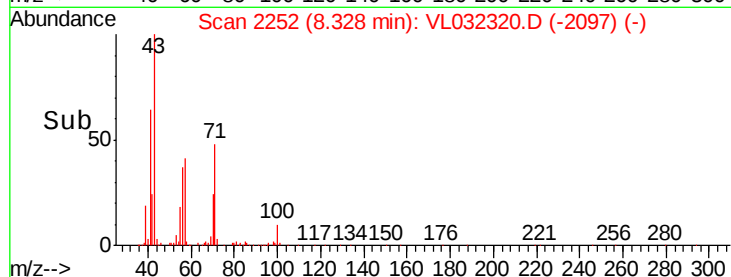
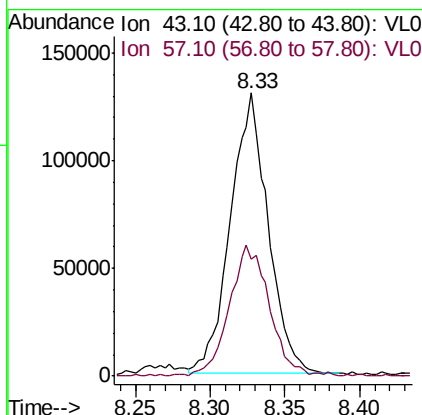
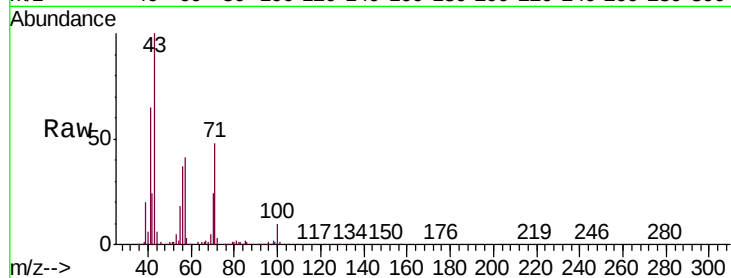




#10
 Heptane
 Concen: 0.901 ppbv
 RT: 8.33 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

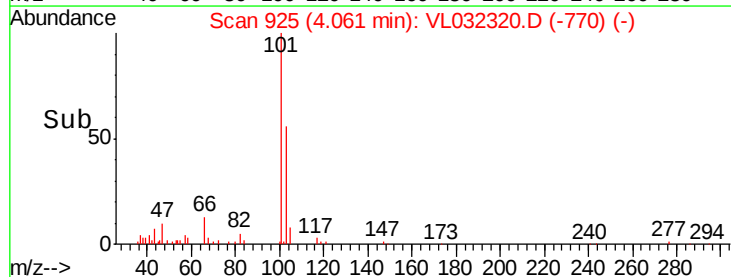
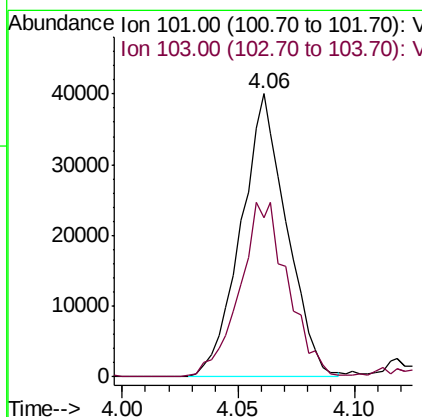
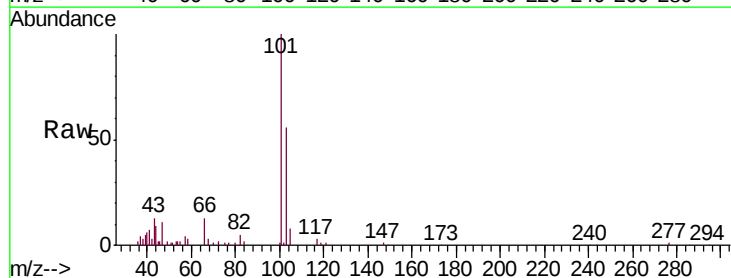
Instrument :
 MSVOA_L
 ClientSampleId :

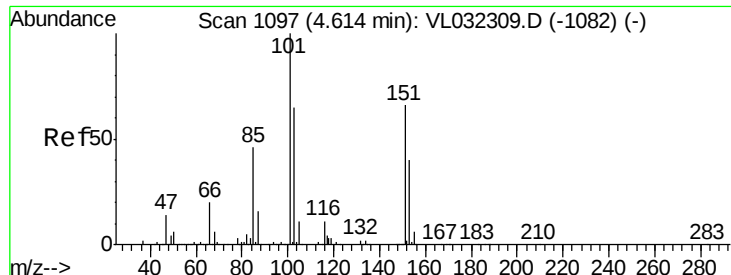
Tot Ion: 43 Resp: 228055
 Ion Ratio Lower Upper
 43 100
 57 50.5 39.0 58.4



#11
 Trichlorofluoromethane
 Concen: 0.297 ppbv
 RT: 4.06 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

Tgt Ion: 101 Resp: 54870
 Ion Ratio Lower Upper
 101 100
 103 55.9 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.059 ppbv

RT: 4.62 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

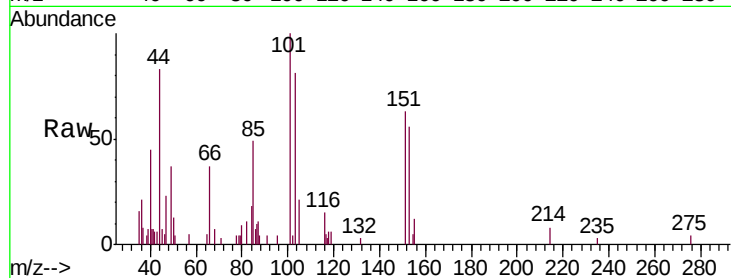
ClientSampleId :

Tot Ion:101 Resp: 7389

Ion Ratio Lower Upper

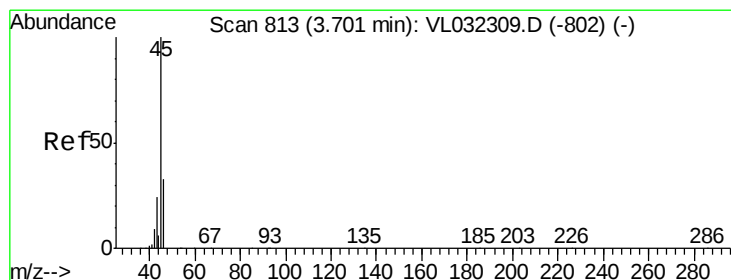
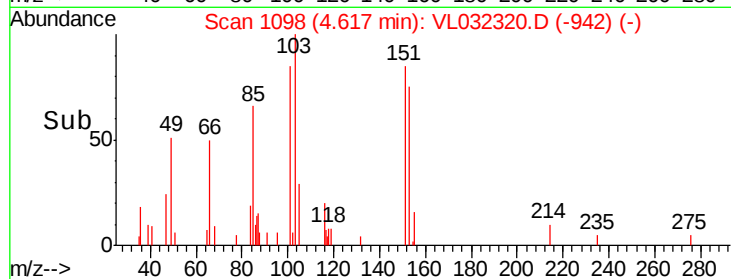
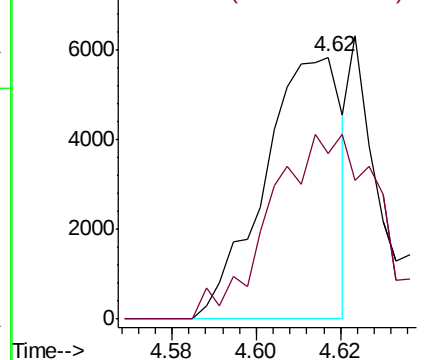
101 100

151 98.0 52.4 78.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 10.927 ppbv

RT: 3.71 min Scan# 816

Delta R.T. 0.01 min

Lab File: VL032320.D

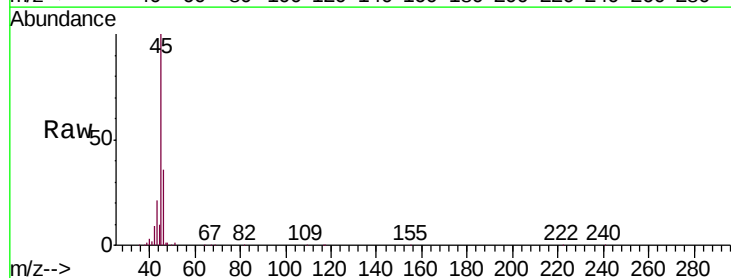
Acq: 27 Jul 2018 15:39

Tgt Ion: 45 Resp: 226398

Ion Ratio Lower Upper

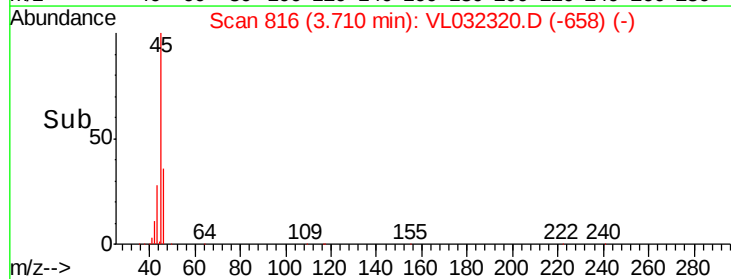
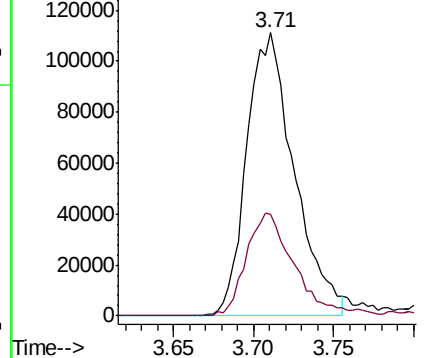
45 100

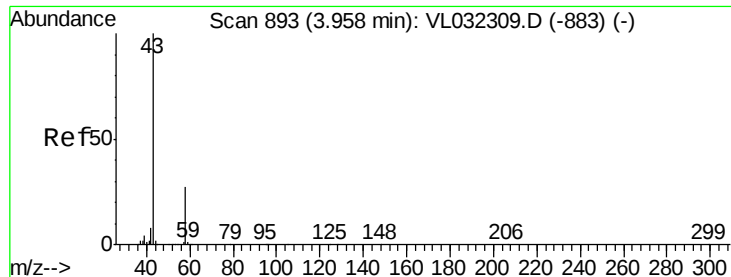
46 38.2 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 13.843 ppbv

RT: 3.95 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

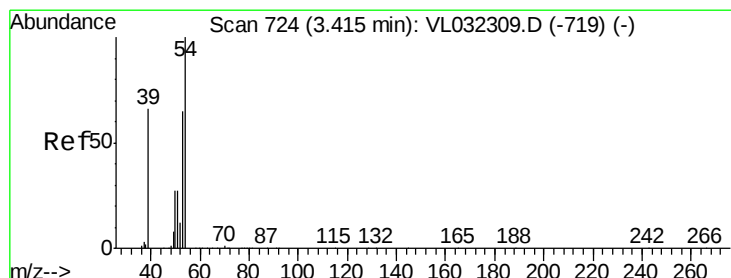
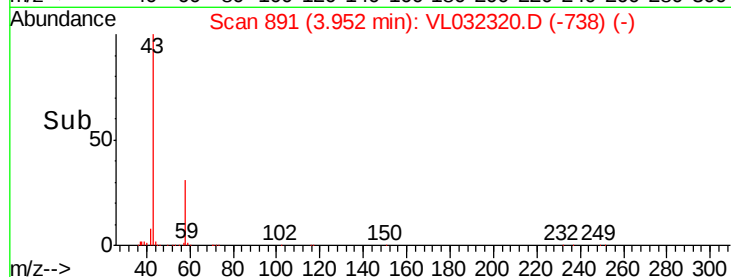
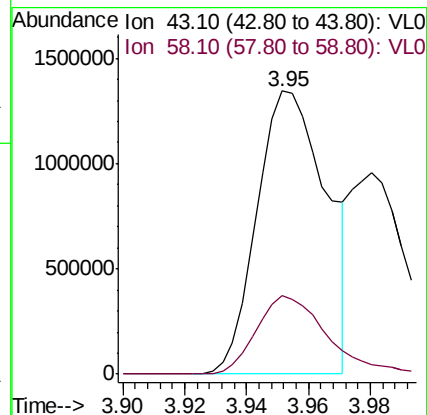
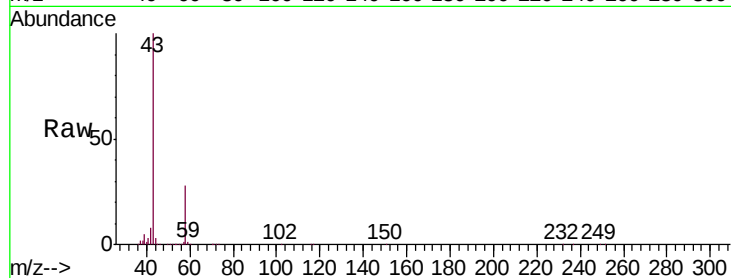
ClientSampleId :

Tot Ion: 43 Resp: 2092290

Ion Ratio Lower Upper

43 100

58 28.5 22.5 33.7



#16

1,3-Butadiene

Concen: 2.409 ppbv

RT: 3.39 min Scan# 717

Delta R.T. -0.02 min

Lab File: VL032320.D

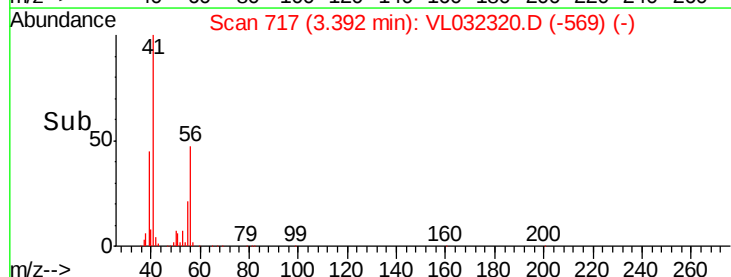
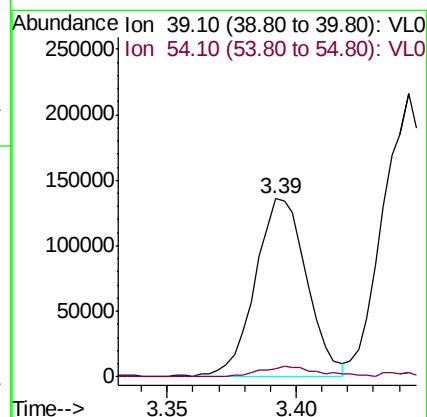
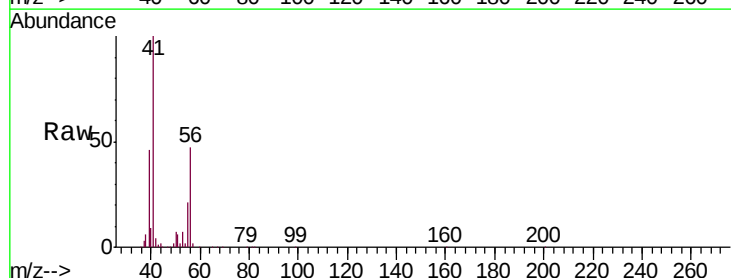
Acq: 27 Jul 2018 15:39

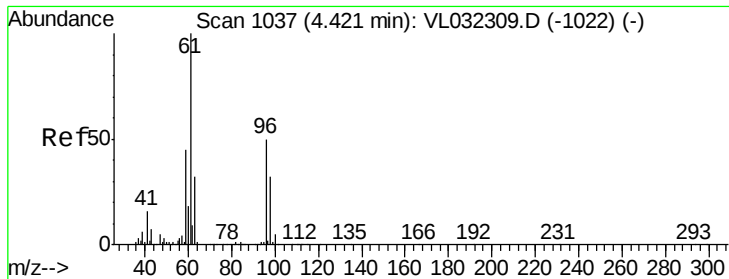
Tgt Ion: 39 Resp: 188733

Ion Ratio Lower Upper

39 100

54 6.9 74.3 111.5#



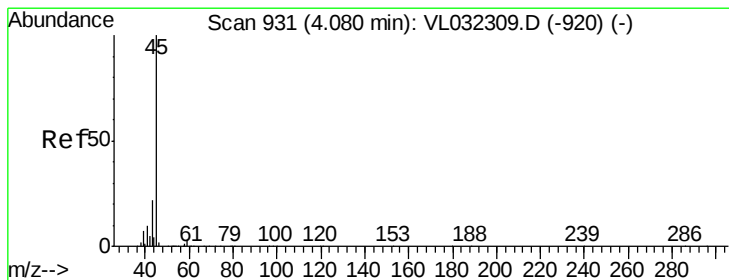
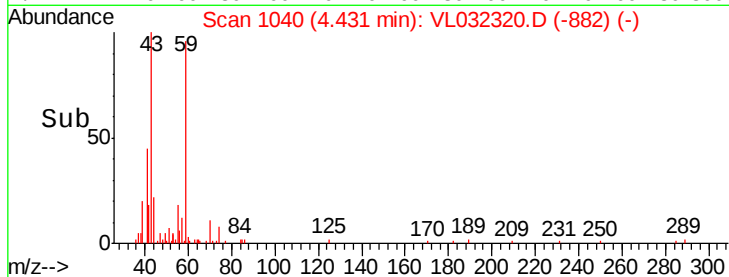
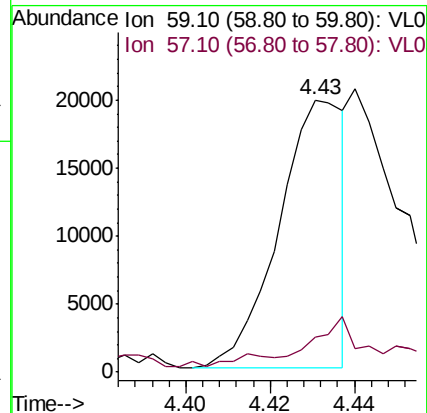
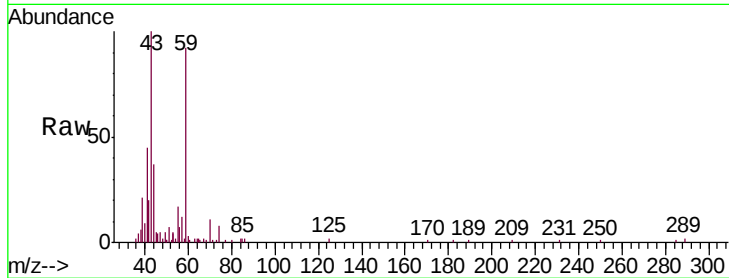


#17

tert-Butyl alcohol
Concen: 0.439 ppbv
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Instrument :
MSVOA_L
ClientSampled :

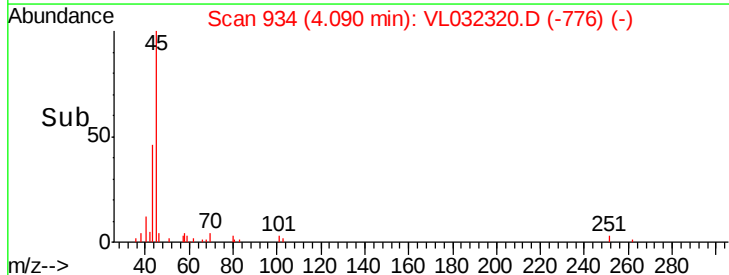
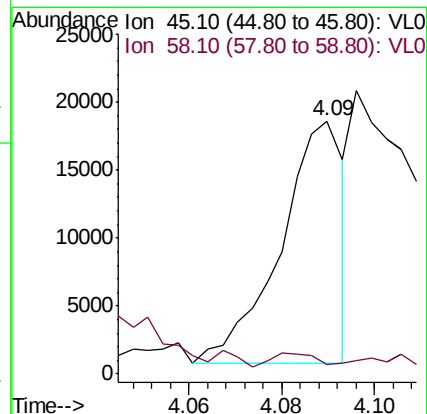
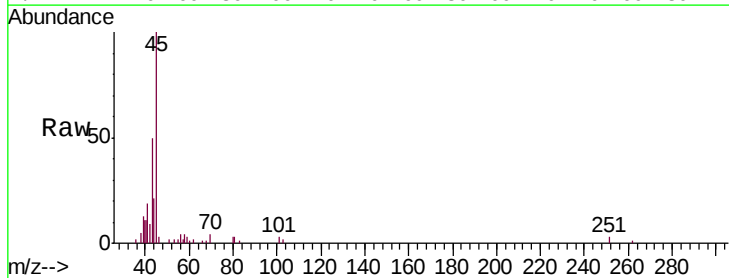
Tot Ion: 59 Resp: 21110
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

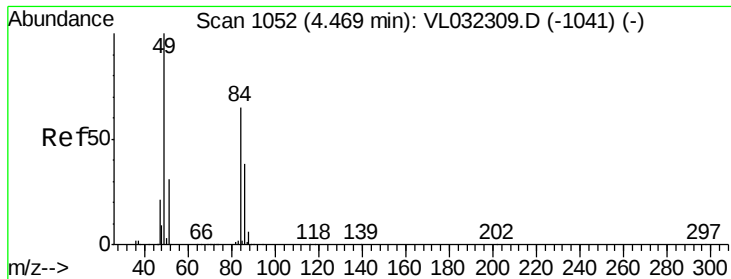


#19

Isopropyl Alcohol
Concen: 0.166 ppbv
RT: 4.09 min Scan# 934
Delta R.T. 0.01 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion: 45 Resp: 16745
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3#



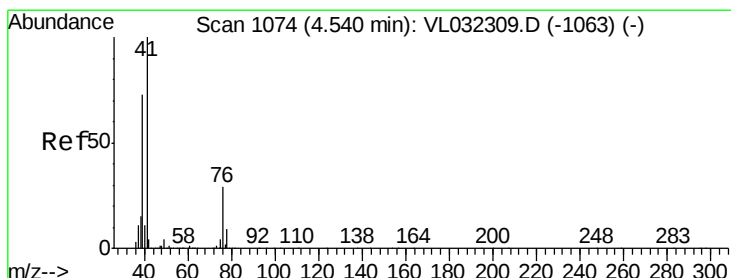
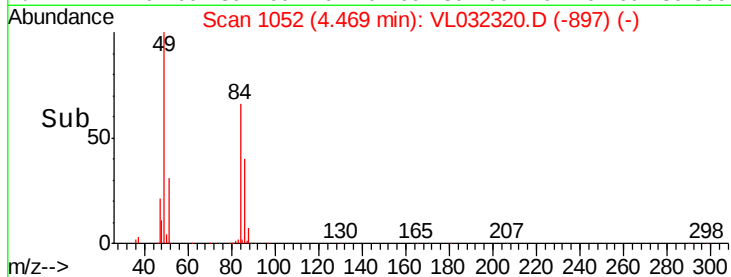
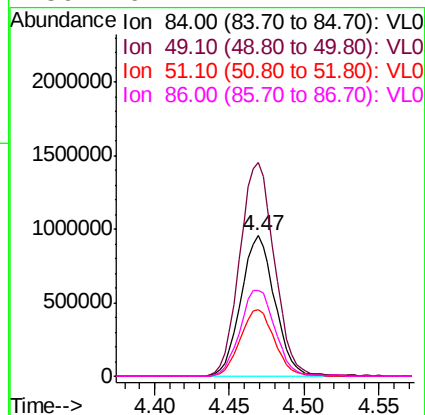
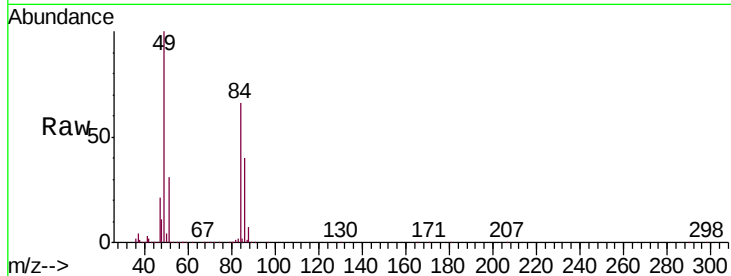


#20
Methvlene Chloride
Concen: 24.787 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1505796

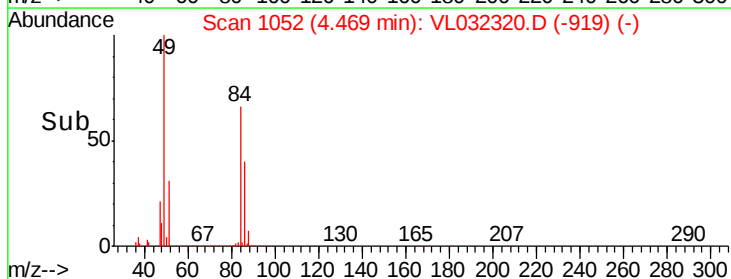
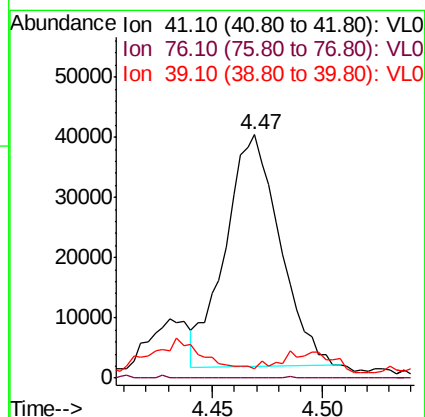
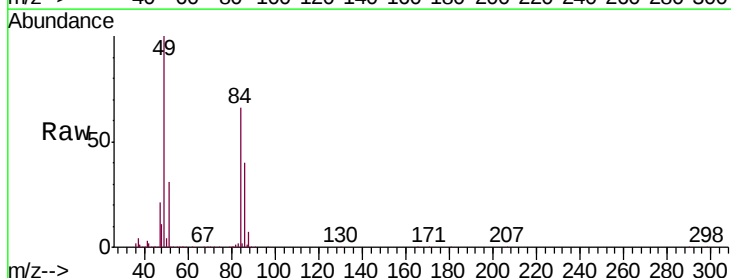
Ion	Ratio	Lower	Upper
84	100		
49	152.1	123.4	185.0
51	47.7	38.2	57.2
86	61.2	47.4	71.2

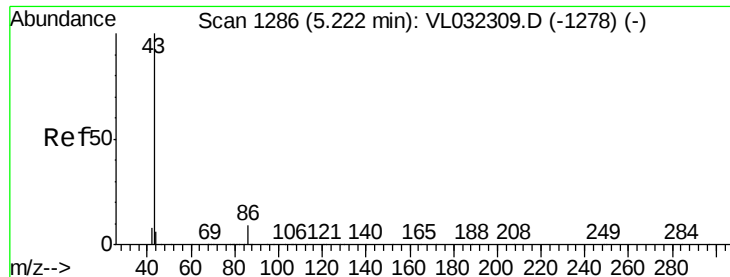


#21
Allyl Chloride
Concen: 0.641 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.07 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion: 41 Resp: 66125

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.1	34.7#
39	9.1	58.2	87.2#

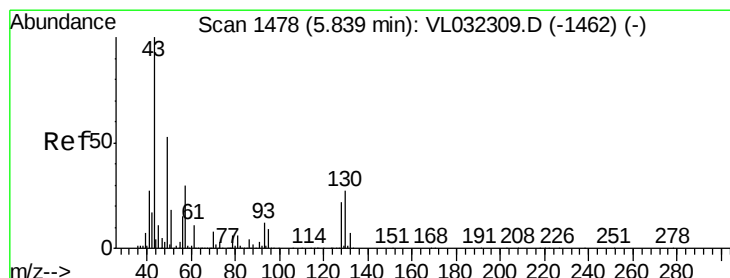
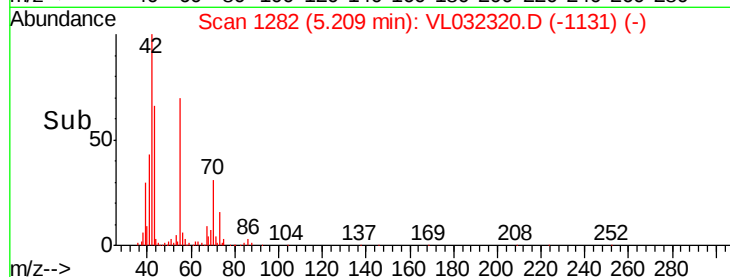
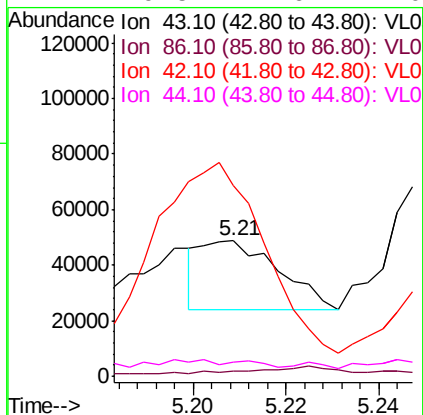
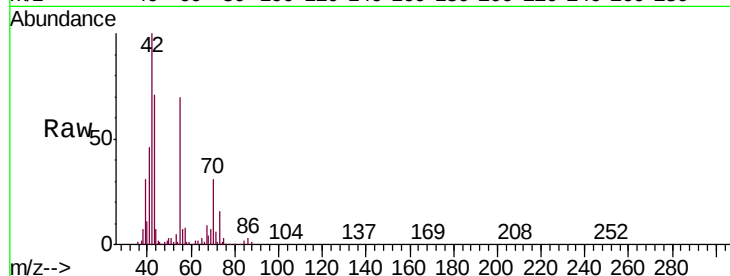




#23
 Vinyl Acetate
 Concen: 0.106 ppbv
 RT: 5.21 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

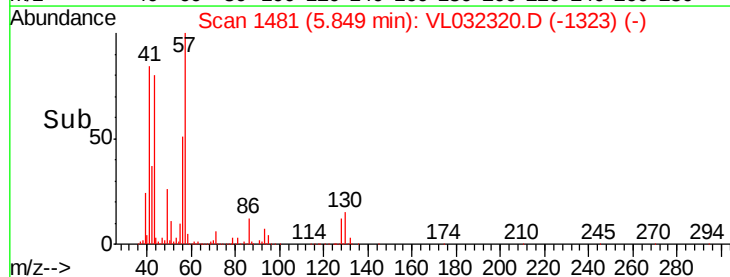
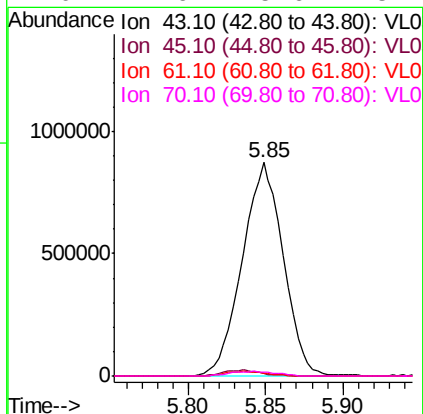
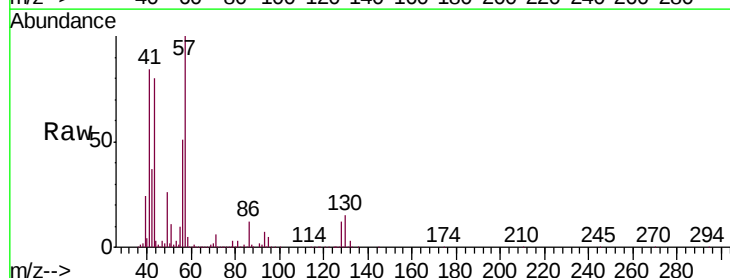
Instrument :
 MSVOA_L
 ClientSampleId :

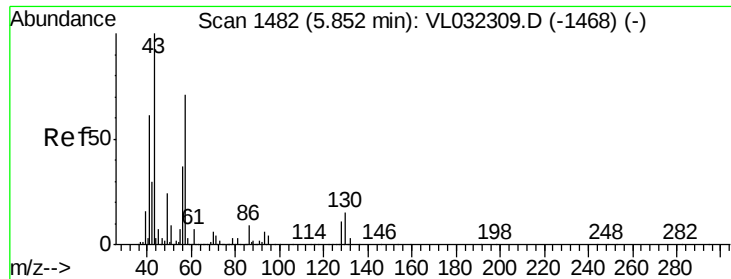
Tot Ion:	43	Resp:	28758
Ion	Ratio	Lower	Upper
43	100		
86	4.1	6.3	9.5#
42	242.4	7.0	10.4#
44	9.5	4.6	7.0#



#25
 Ethyl Acetate
 Concen: 4.730 ppbv
 RT: 5.85 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

Tgt Ion:	43	Resp:	1604318
Ion	Ratio	Lower	Upper
43	100		
45	2.9	8.1	12.1#
61	2.1	7.4	11.0#
70	2.6	5.6	8.4#



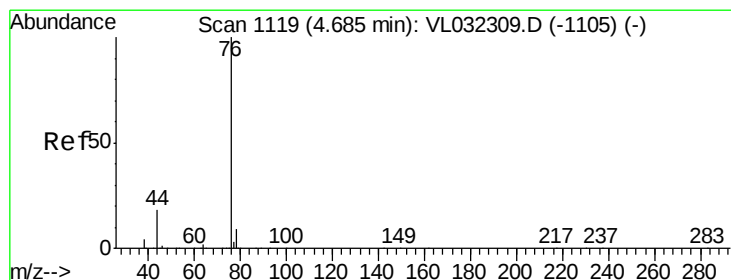
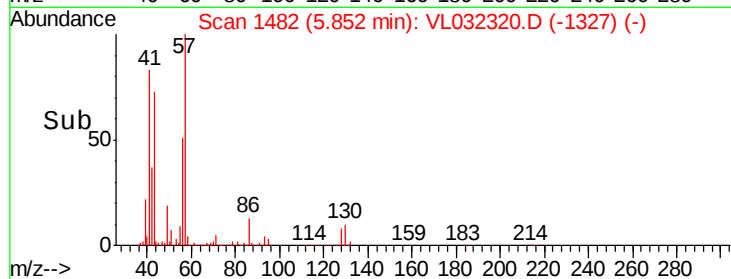
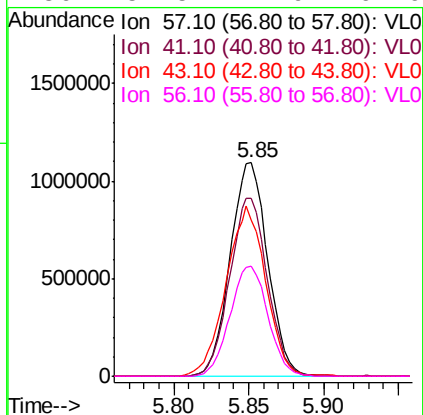
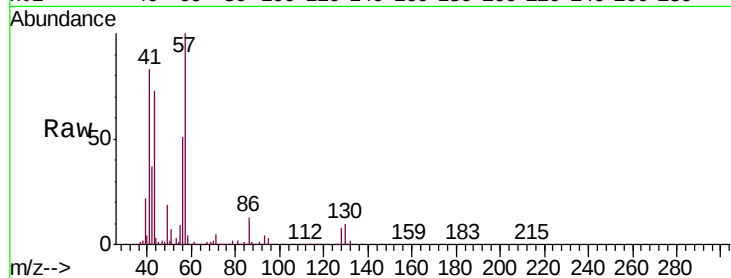


#26
Hexane
Concen: 12.433 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 1908174

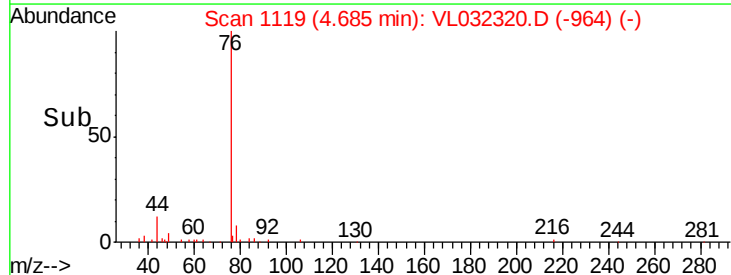
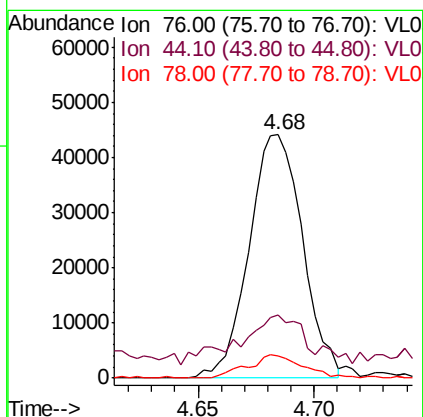
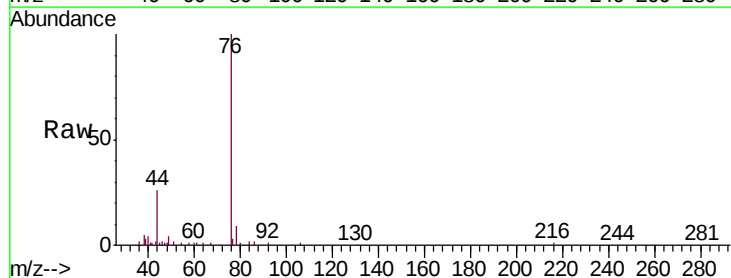
Ion	Ratio	Lower	Upper
57	100		
41	84.5	68.1	102.1
43	84.6	177.4	266.2#
56	52.5	41.9	62.9

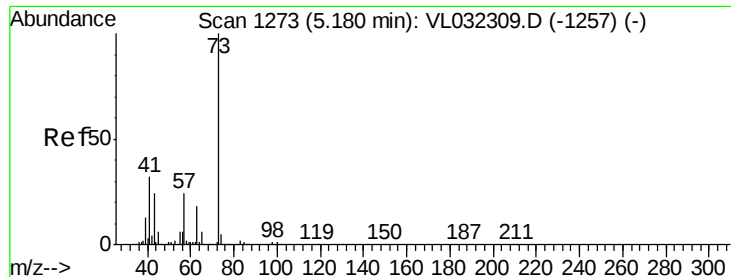


#27
Carbon Disulfide
Concen: 0.509 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion: 76 Resp: 71005

Ion	Ratio	Lower	Upper
76	100		
44	23.6	14.0	21.0#
78	10.0	7.5	11.3

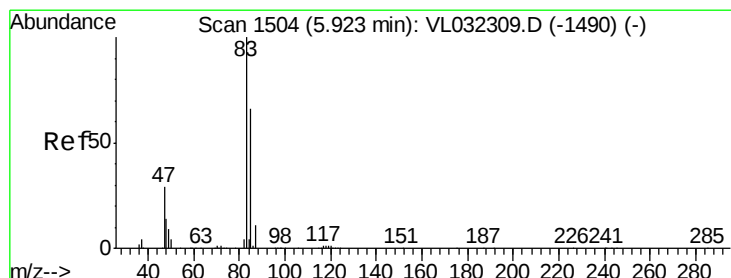
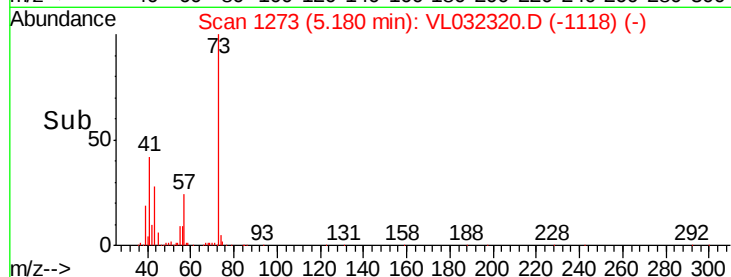
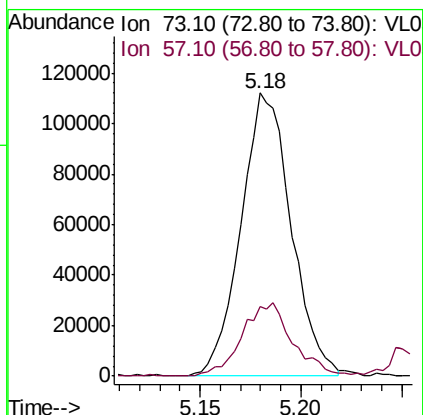
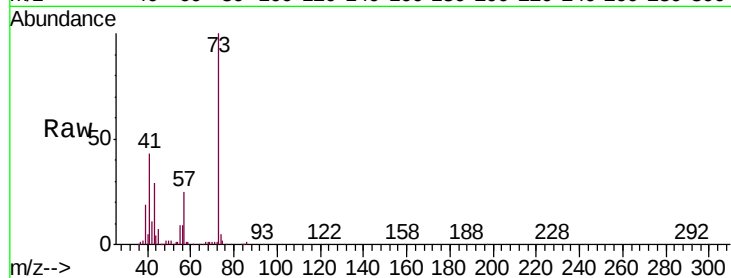




#28
Methvl tert-Butvl Ether
Concen: 0.936 ppbv
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

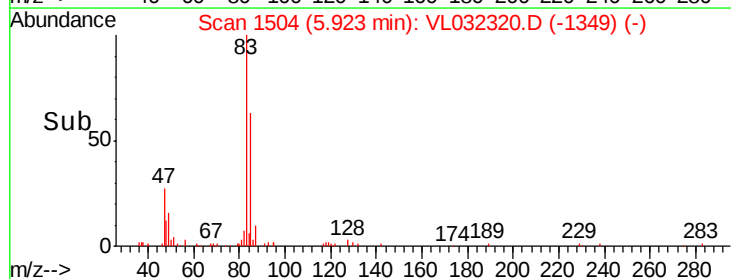
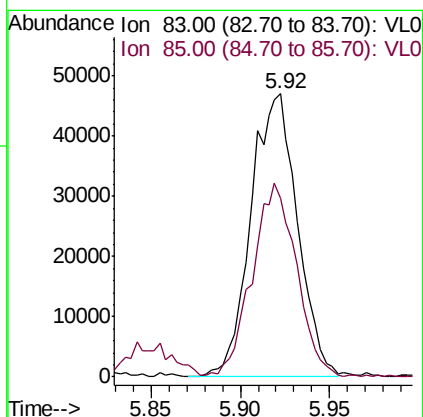
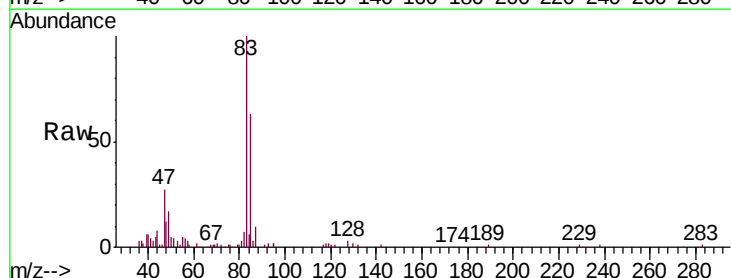
Instrument :
MSVOA_L
ClientSampleId :

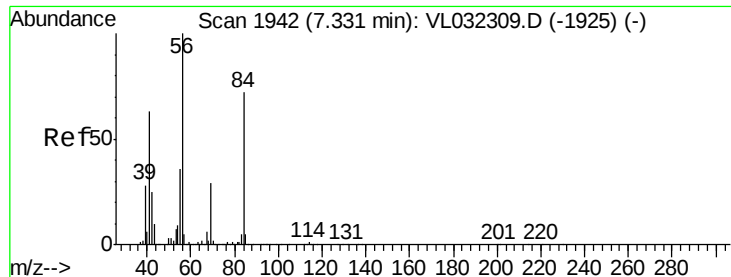
Tot Ion: 73 Resp: 194319
Ion Ratio Lower Upper
73 100
57 26.3 19.4 29.0



#29
Chloroform
Concen: 0.384 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion: 83 Resp: 85769
Ion Ratio Lower Upper
83 100
85 61.6 52.9 79.3

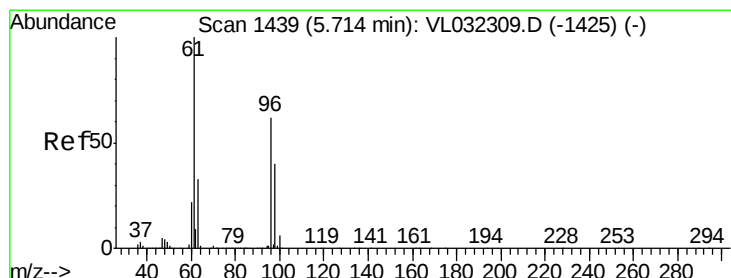
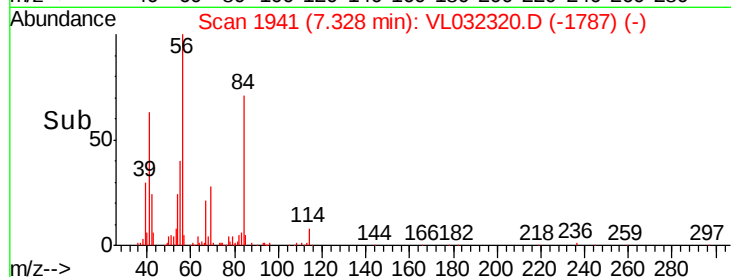
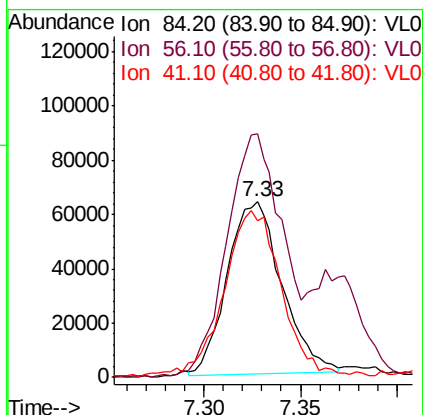
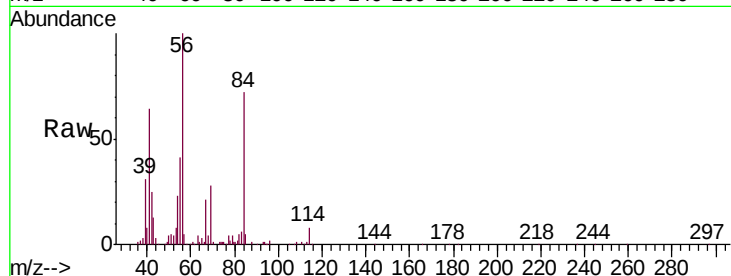




#30
Cvclohexane
Concen: 1.043 ppbv
RT: 7.33 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

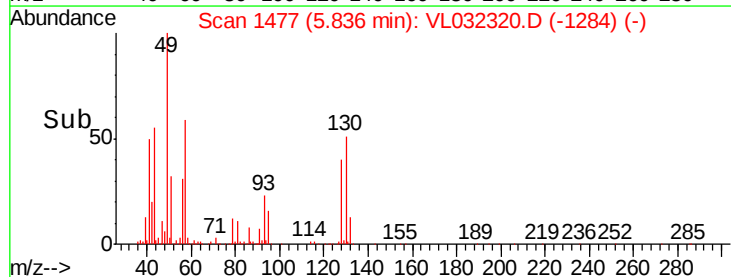
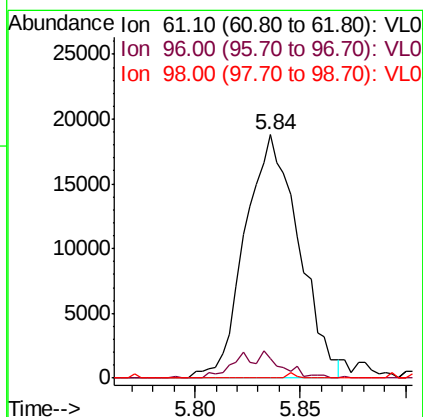
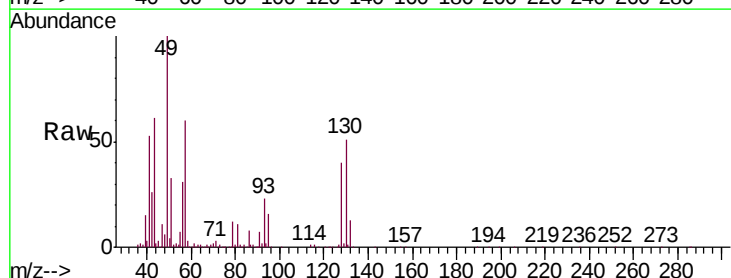
Instrument :
MSVOA_L
ClientSampleId :

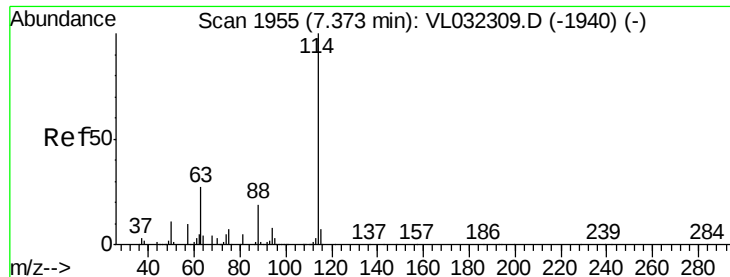
Tot Ion: 84 Resp: 124918
Ion Ratio Lower Upper
84 100
56 199.4 116.8 175.2#
41 100.6 70.0 105.0



#31
cis-1,2-Dichloroethene
Concen: 0.234 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.12 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion: 61 Resp: 33263
Ion Ratio Lower Upper
61 100
96 8.0 49.8 74.6#
98 0.0 31.8 47.6#



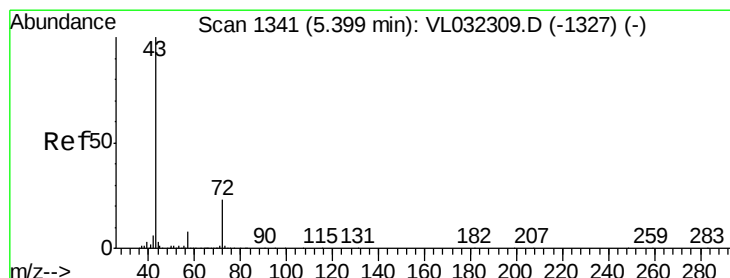
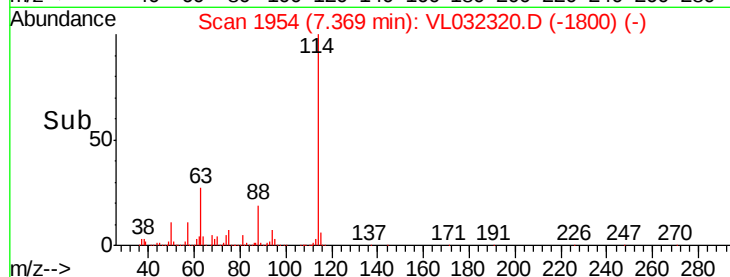
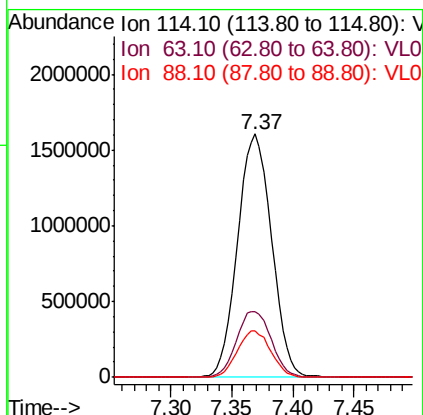
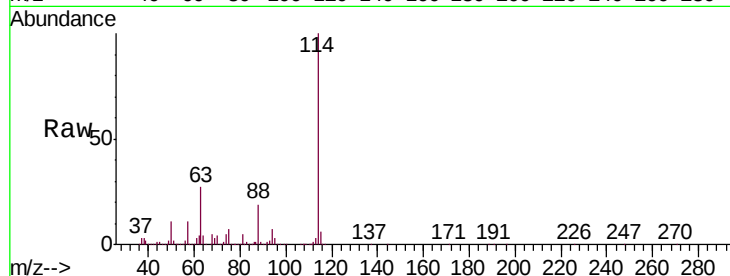


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3097689

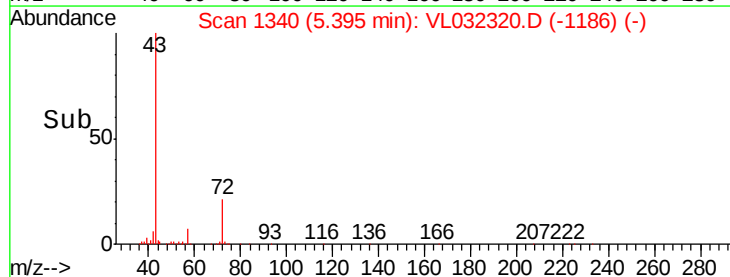
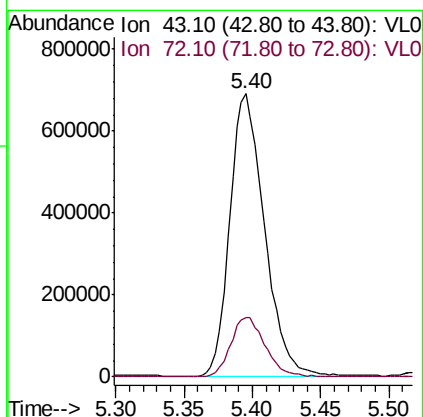
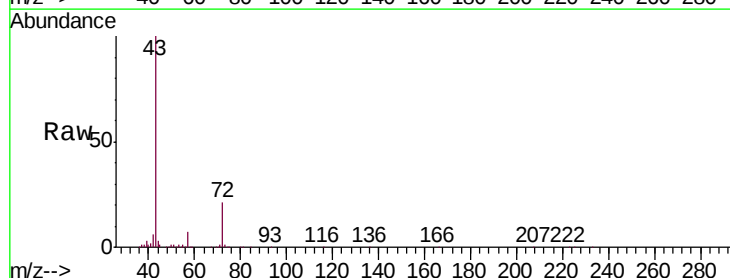
Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.4	33.6
88	18.9	15.3	22.9

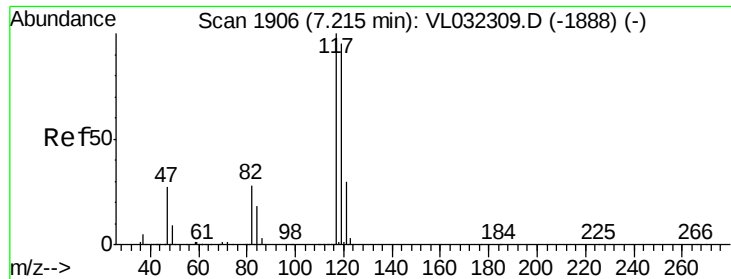


#34
 2-Butanone
 Concen: 6.062 ppbv
 RT: 5.40 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

Tgt Ion: 43 Resp: 1215512

Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.4	26.2





#35

Carbon Tetrachloride

Concen: 0.068 ppbv

RT: 7.21 min Scan# 1904

Delta R.T. -0.01 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

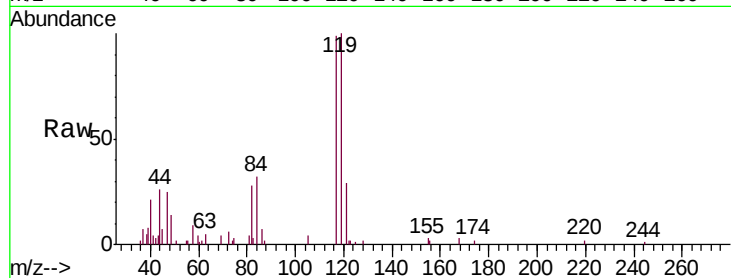
Tot Ion:117 Resp: 12036

Ion Ratio Lower Upper

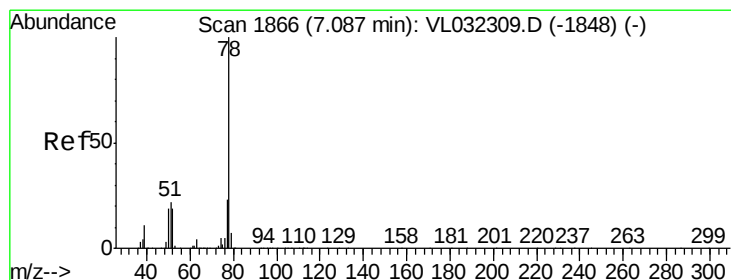
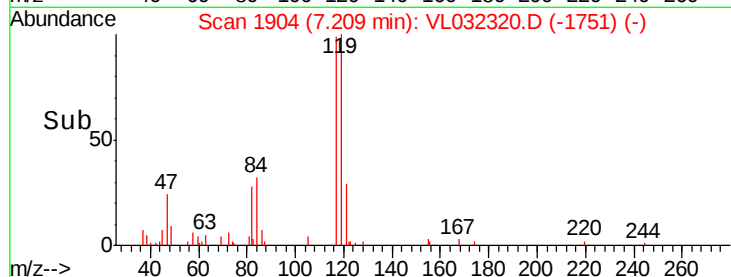
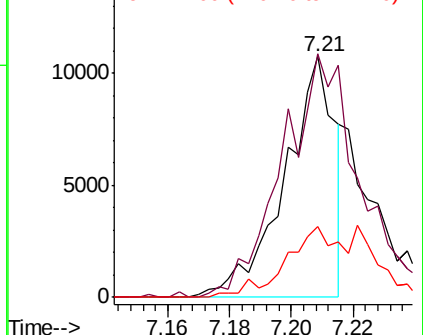
117 100

119 101.2 76.1 114.1

121 29.5 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.314 ppbv

RT: 7.08 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

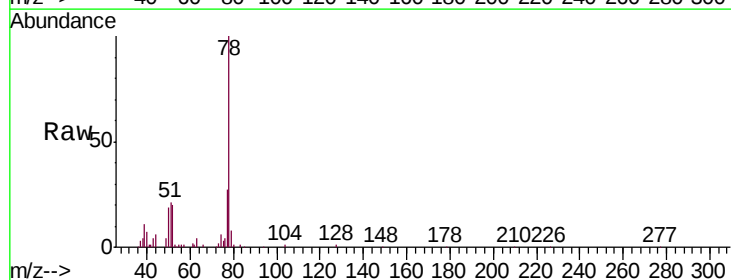
Tgt Ion: 78 Resp: 85714

Ion Ratio Lower Upper

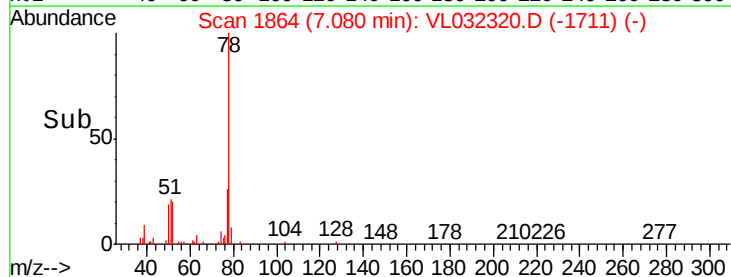
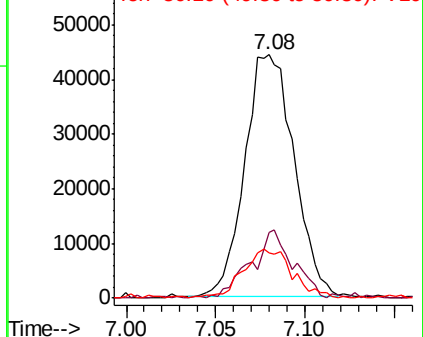
78 100

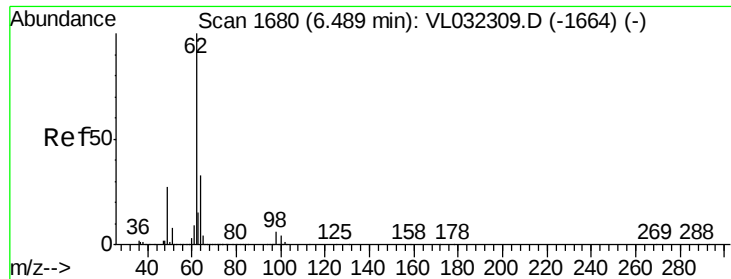
77 27.2 18.4 27.6

50 18.4 15.3 22.9



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





#37

1,2-Dichloroethane

Concen: 0.205 ppbv

RT: 6.49 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

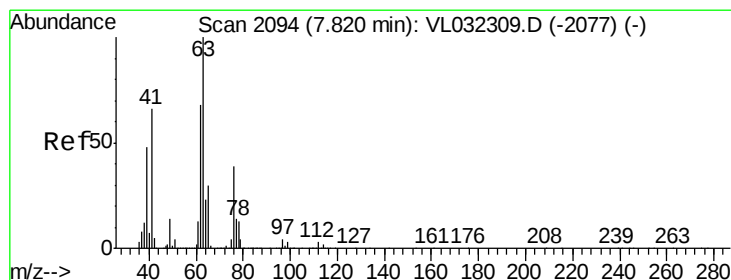
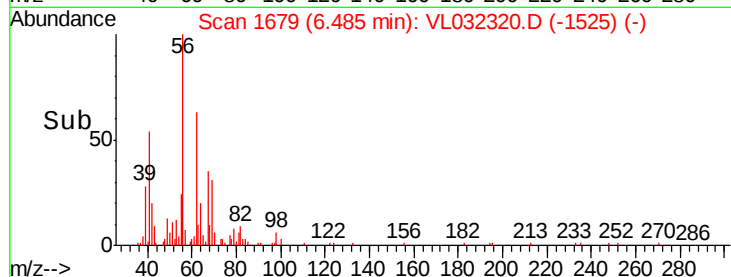
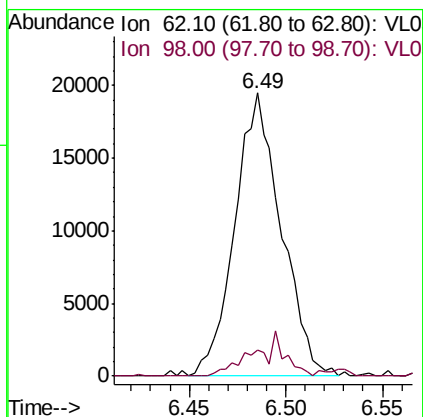
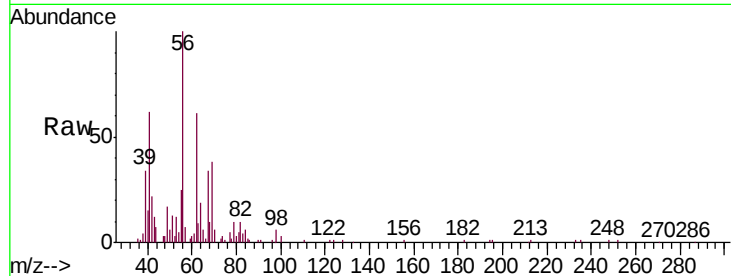
ClientSampleId :

Tot Ion: 62 Resp: 32381

Ion Ratio Lower Upper

62 100

98 11.6 5.1 7.7#



#39

1,2-Dichloropropane

Concen: 6.185 ppbv

RT: 7.37 min Scan# 1954

Delta R.T. -0.45 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

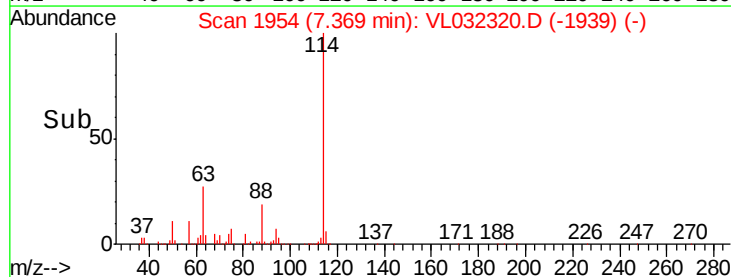
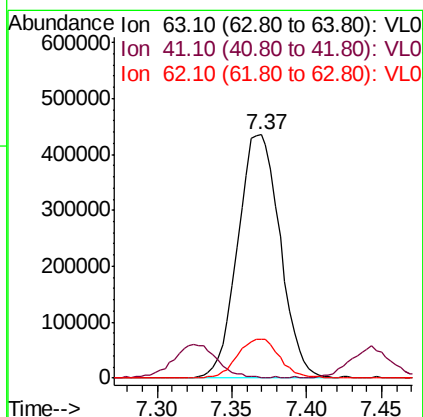
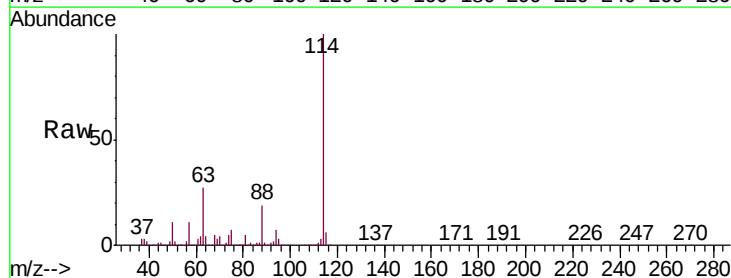
Tgt Ion: 63 Resp: 849637

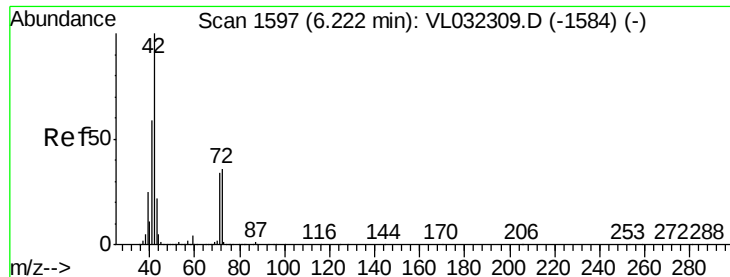
Ion Ratio Lower Upper

63 100

41 0.0 52.5 78.7#

62 16.1 54.6 81.8#





#41

Tetrahydrofuran

Concen: 0.126 ppbv

RT: 6.49 min Scan# 1682

Delta R.T. 0.27 min

Lab File: VL032320.D

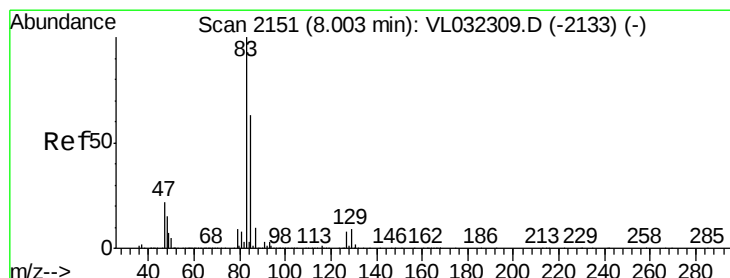
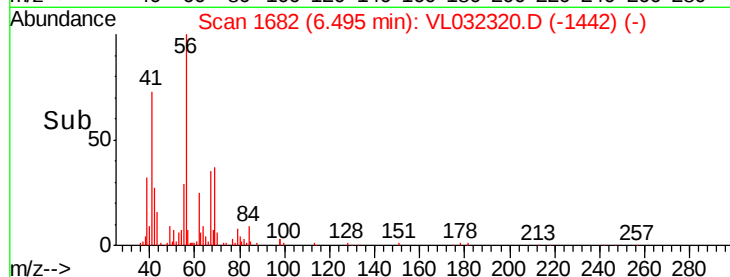
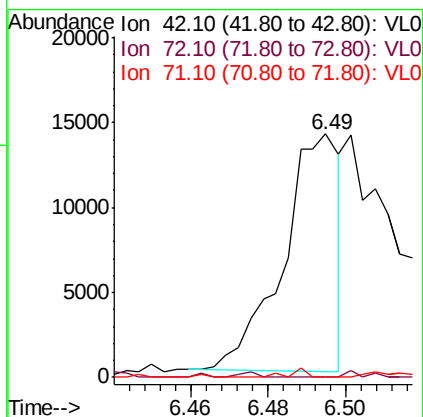
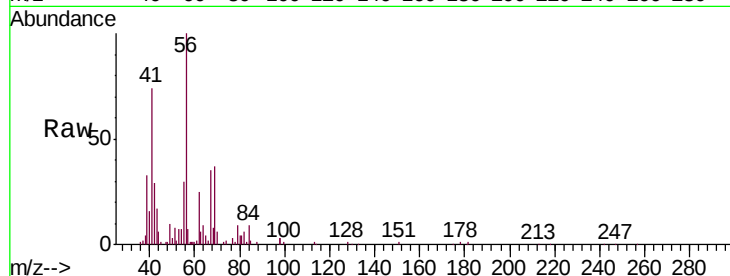
Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	42	Resp:	14267
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.6	42.8#
71	0.0	27.8	41.6#



#42

Bromodichloromethane

Concen: 0.064 ppbv

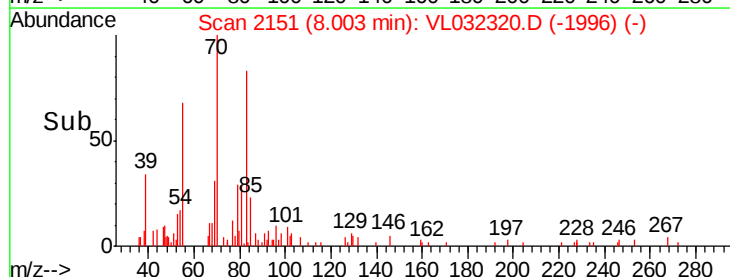
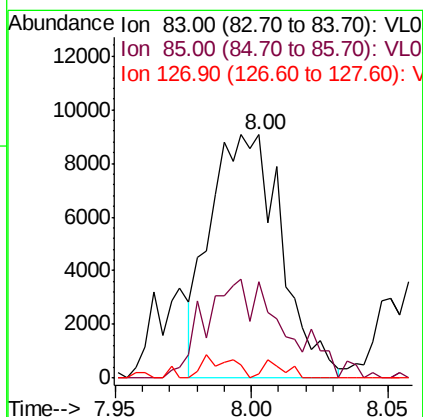
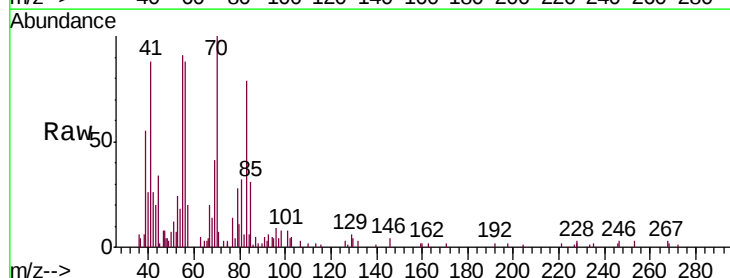
RT: 8.00 min Scan# 2151

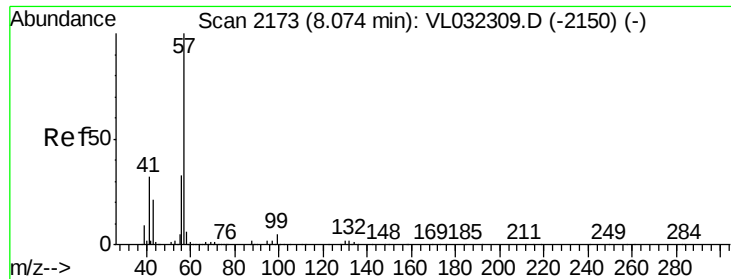
Delta R.T. -0.00 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

Tgt Ion:	83	Resp:	16415
Ion	Ratio	Lower	Upper
83	100		
85	41.1	50.7	76.1#
127	1.9	6.0	9.0#

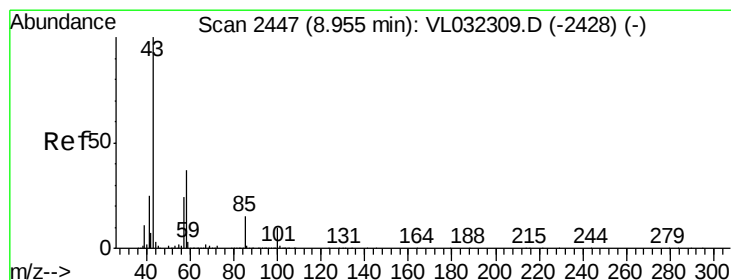
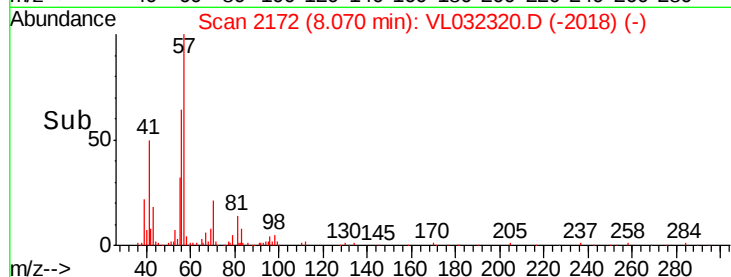
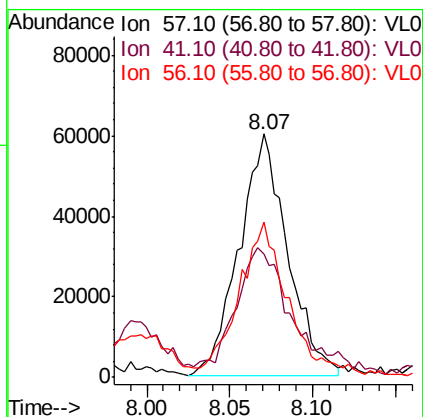
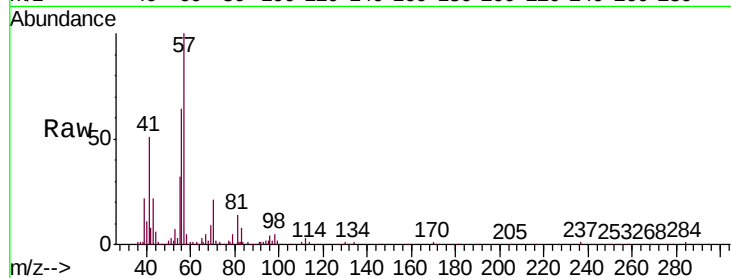




#44
 2,2,4-Trimethylpentane
 Concen: 0.205 ppbv
 RT: 8.07 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

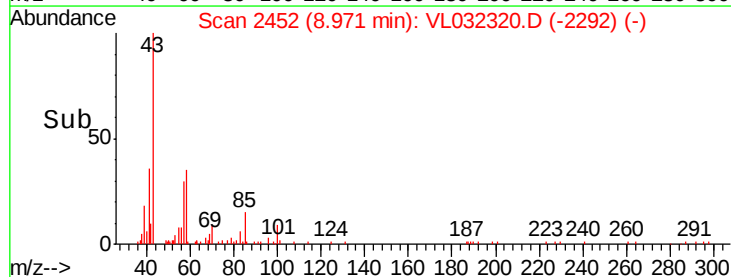
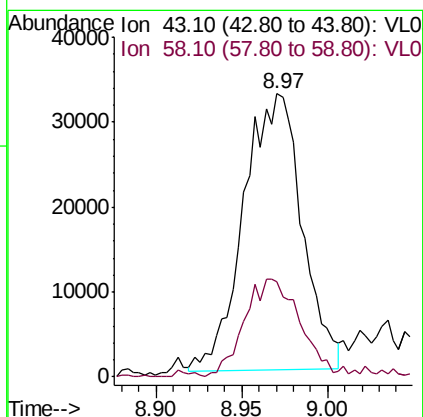
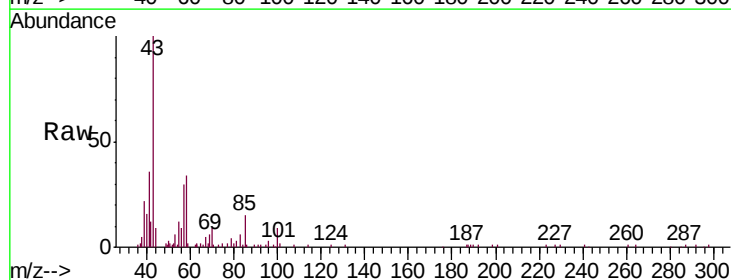
Instrument :
 MSVOA_L
 ClientSampleId :

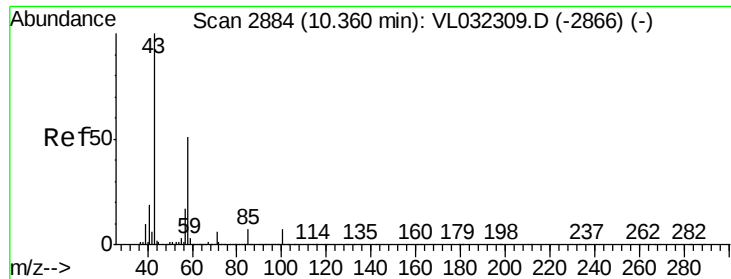
Tot Ion: 57 Resp: 121302
 Ion Ratio Lower Upper
 57 100
 41 57.5 24.3 36.5#
 56 66.2 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.217 ppbv
 RT: 8.97 min Scan# 2452
 Delta R.T. 0.02 min
 Lab File: VL032320.D
 Acq: 27 Jul 2018 15:39

Tgt Ion: 43 Resp: 76673
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.9 43.3





#51

2-Hexanone

Concen: 0.314 ppbv

RT: 10.36 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

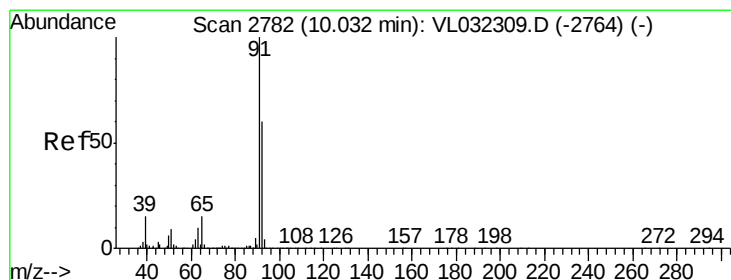
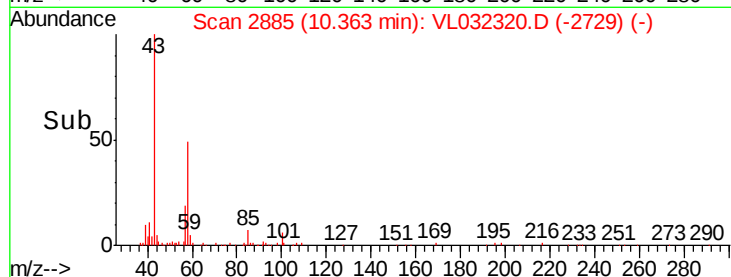
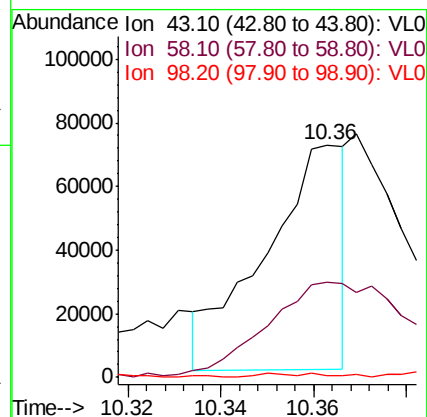
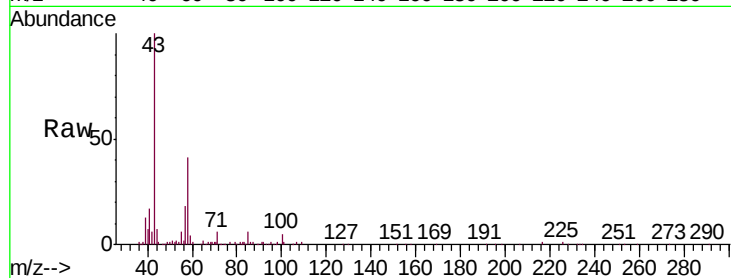
Tot Ion: 43 Resp: 84681

Ion Ratio Lower Upper

43 100

58 80.8 39.1 58.7#

98 0.0 0.3 0.5#



#53

Toluene

Concen: 3.968 ppbv

RT: 10.03 min Scan# 2782

Delta R.T. -0.00 min

Lab File: VL032320.D

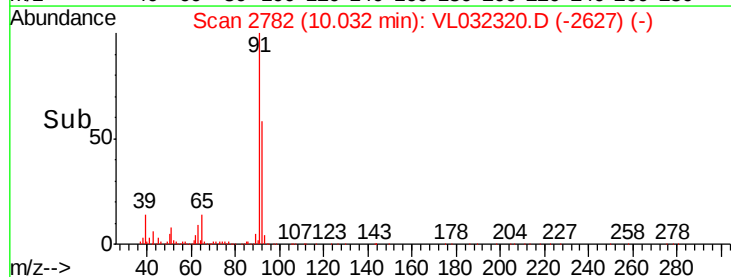
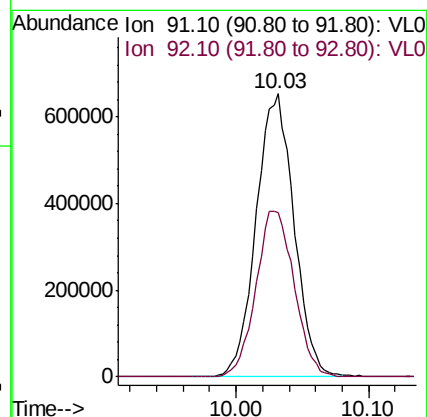
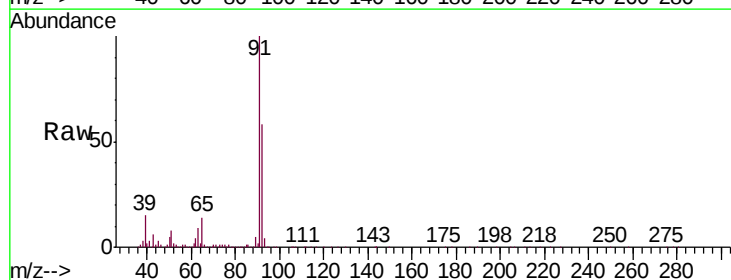
Acq: 27 Jul 2018 15:39

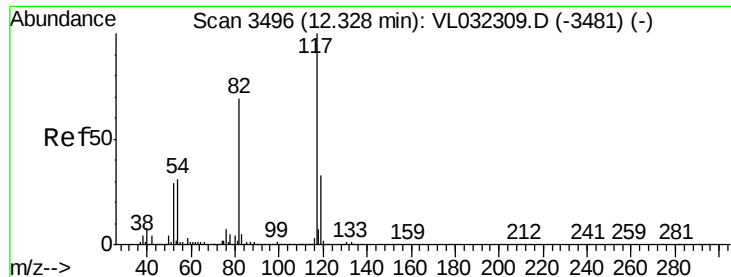
Tgt Ion: 91 Resp: 1295107

Ion Ratio Lower Upper

91 100

92 59.4 48.6 72.8

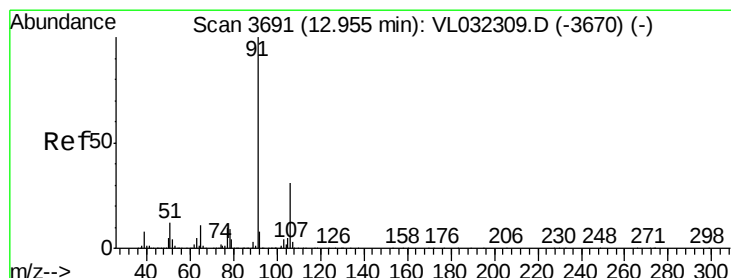
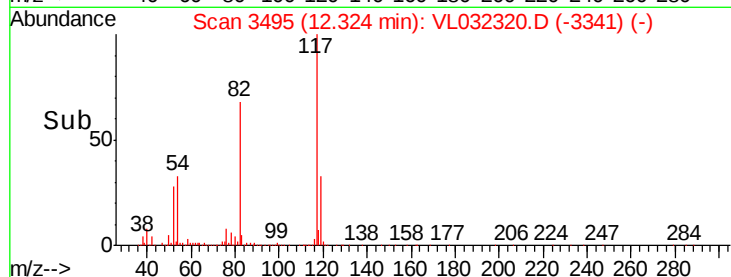
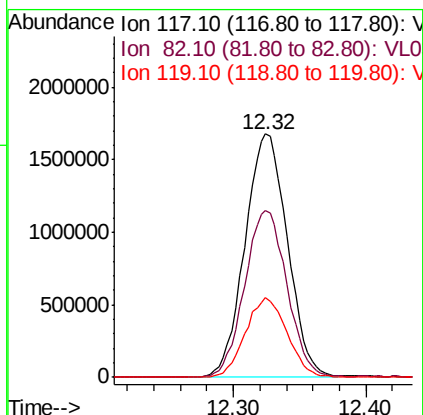
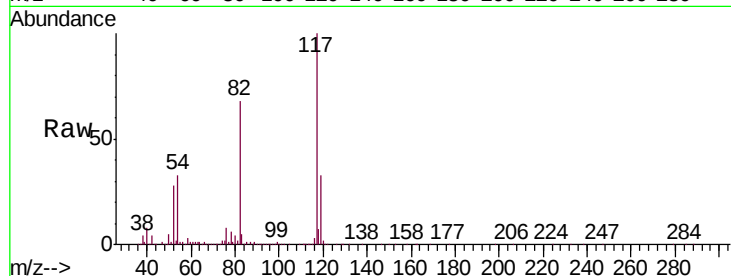




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.32 min Scan# 3495
Delta R.T. -0.00 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

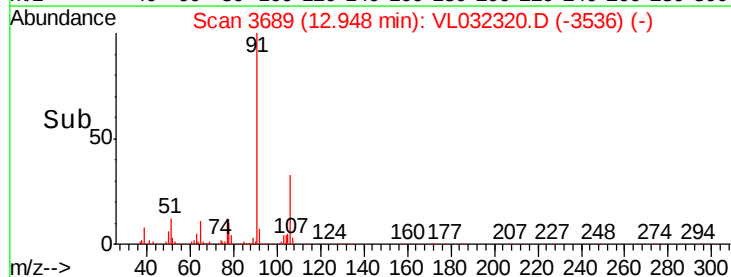
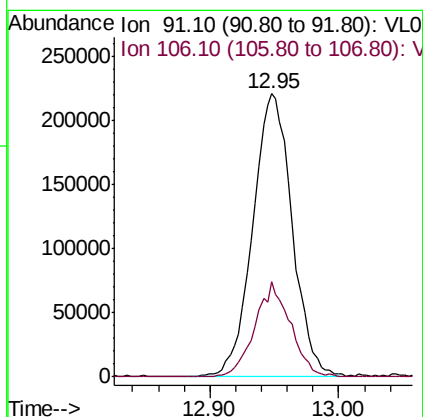
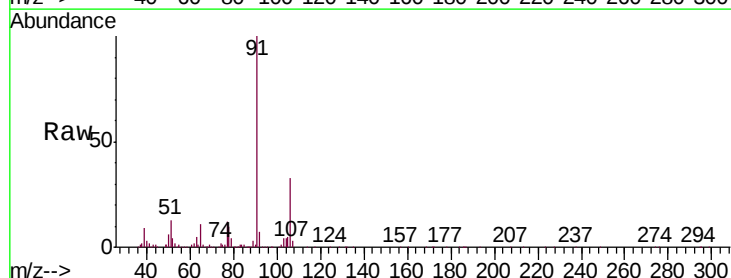
Instrument :
MSVOA_L
ClientSampleId :

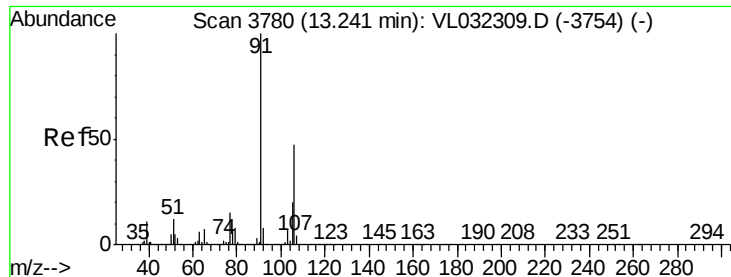
Tot Ion:117 Resp: 3730191
Ion Ratio Lower Upper
117 100
82 68.4 52.6 78.8
119 32.3 25.7 38.5



#58
Ethyl Benzene
Concen: 1.001 ppbv
RT: 12.95 min Scan# 3689
Delta R.T. -0.01 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion: 91 Resp: 467938
Ion Ratio Lower Upper
91 100
106 33.4 25.0 37.4

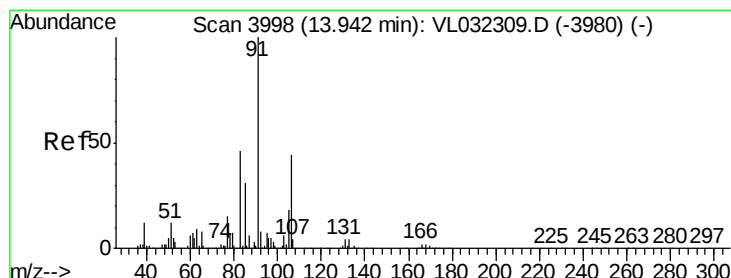
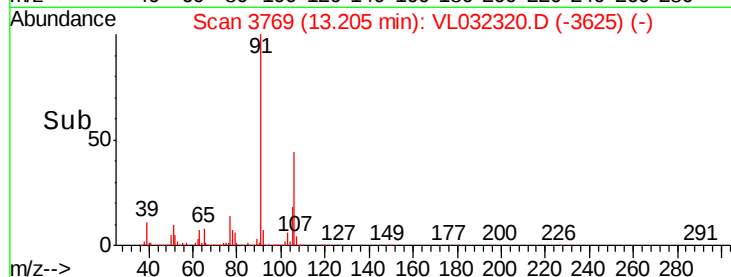
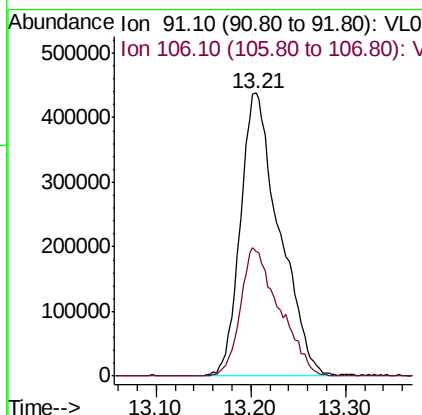
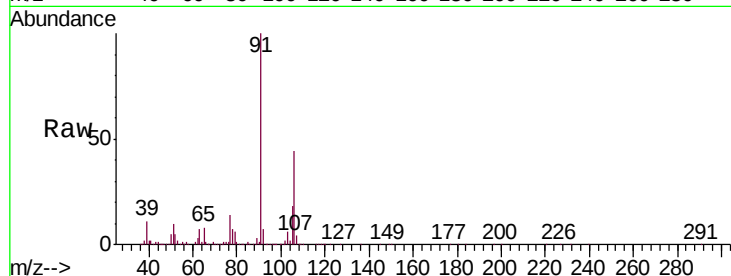




#59
m/p-Xylene
Concen: 3.155 ppbv
RT: 13.21 min Scan# 3769
Delta R.T. -0.04 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

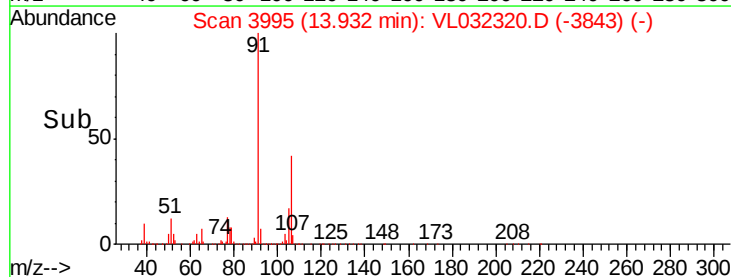
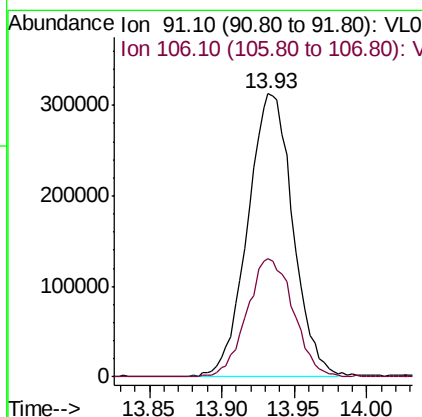
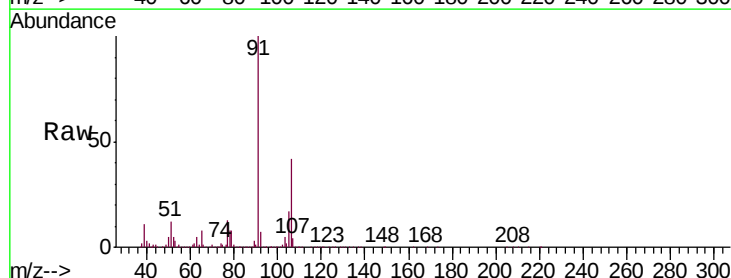
Instrument :
MSVOA_L
ClientSampleId :

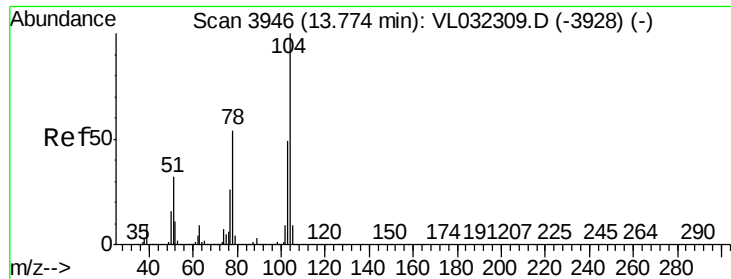
Tot Ion: 91 Resp: 1256019
Ion Ratio Lower Upper
91 100
106 45.3 36.4 54.6



#60
o-Xylene
Concen: 1.728 ppbv
RT: 13.93 min Scan# 3995
Delta R.T. -0.01 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion: 91 Resp: 674681
Ion Ratio Lower Upper
91 100
106 43.4 22.4 67.0

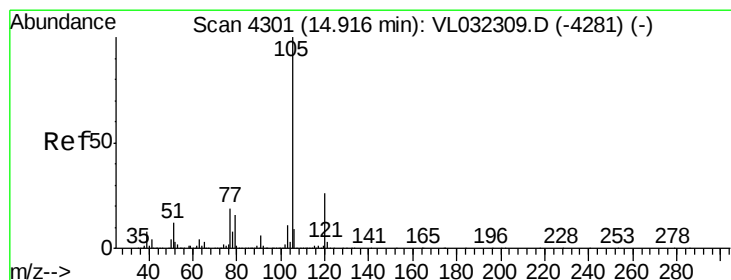
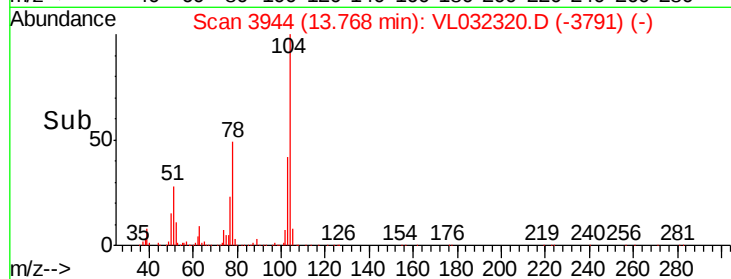
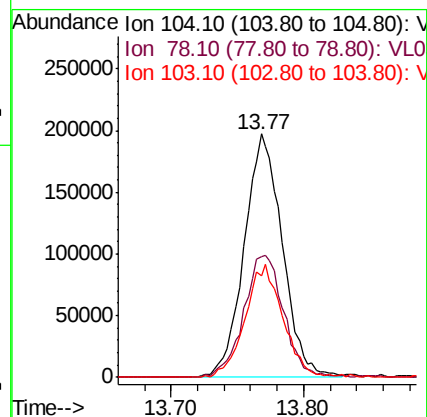
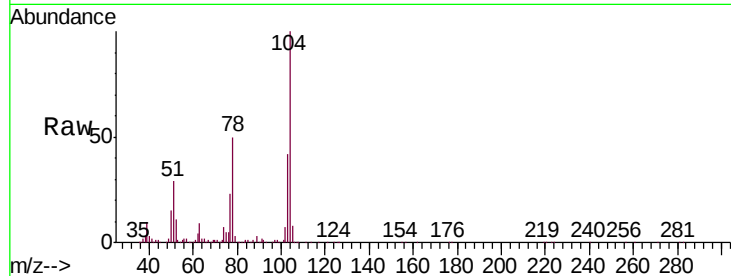




#61
Stvrene
Concen: 1.371 ppbv
RT: 13.77 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

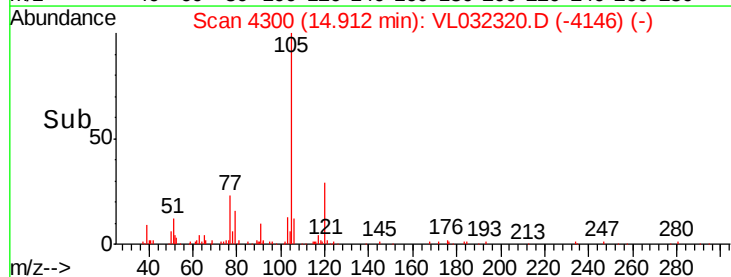
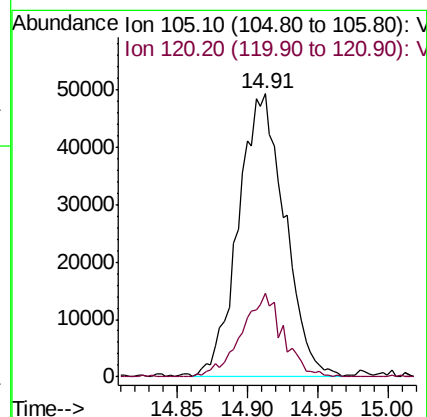
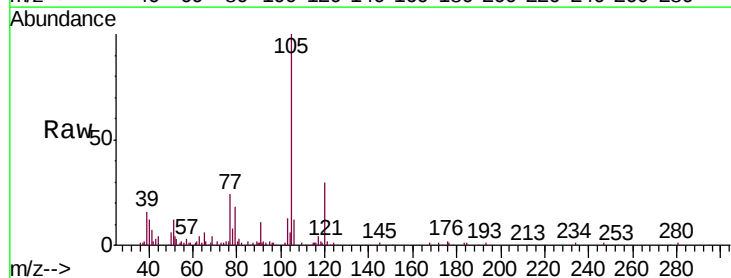
Instrument :
MSVOA_L
ClientSampleId :

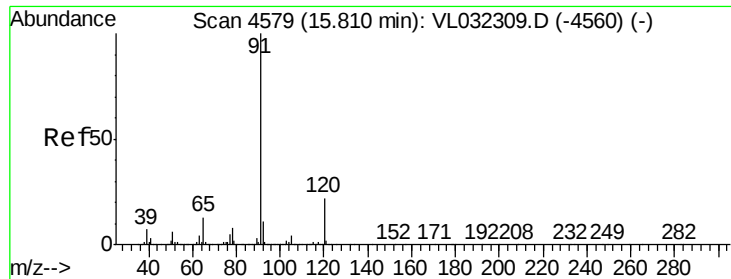
Tot Ion:104 Resp: 393762
Ion Ratio Lower Upper
104 100
78 52.2 42.6 63.8
103 46.6 38.0 57.0



#62
Isopropylbenzene
Concen: 0.205 ppbv
RT: 14.91 min Scan# 4300
Delta R.T. -0.00 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion:105 Resp: 113537
Ion Ratio Lower Upper
105 100
120 26.4 20.4 30.6

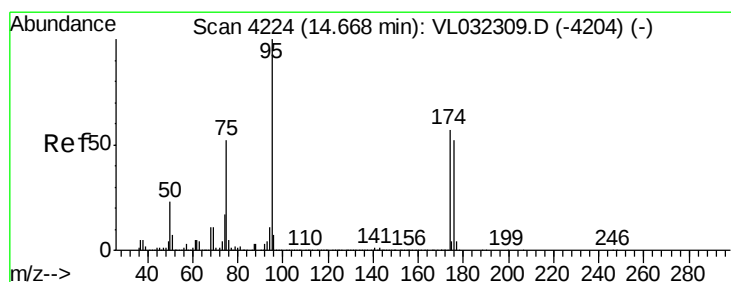
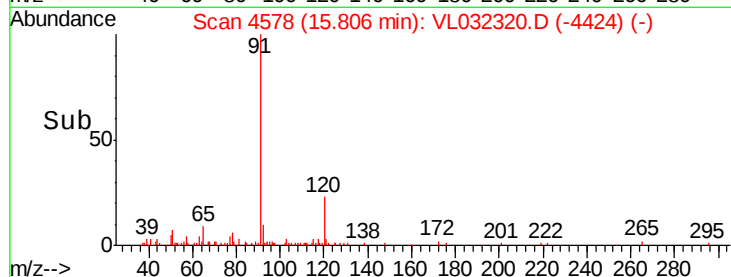
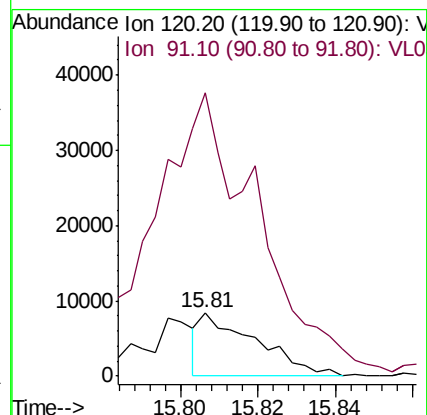
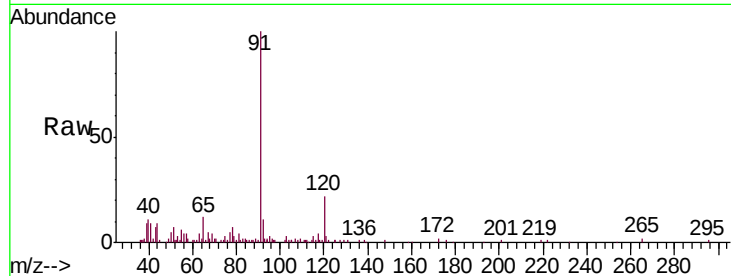




#64
n-propylbenzene
Concen: 0.058 ppbv
RT: 15.81 min Scan# 4578
Delta R.T. -0.00 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

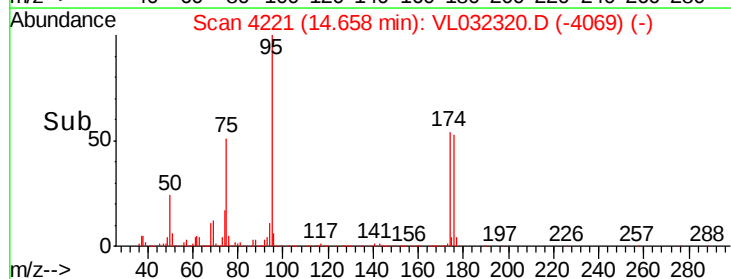
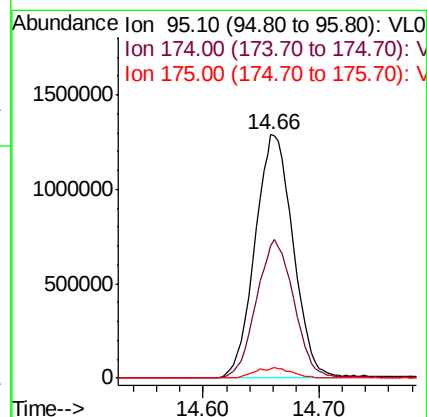
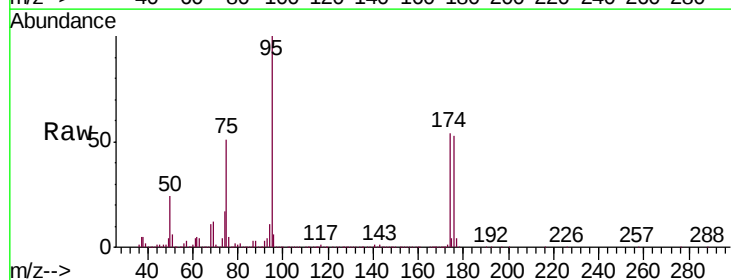
Instrument :
MSVOA_L
ClientSampleId :

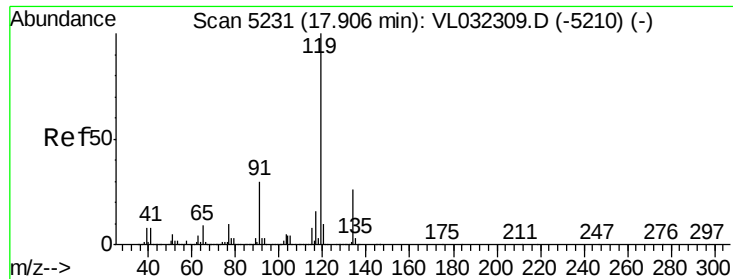
Tot Ion:120 Resp: 8445
Ion Ratio Lower Upper
120 100
91 854.2 381.8 572.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.162 ppbv
RT: 14.66 min Scan# 4221
Delta R.T. -0.01 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion: 95 Resp: 2942372
Ion Ratio Lower Upper
95 100
174 56.4 45.5 68.3
175 4.2 3.3 4.9

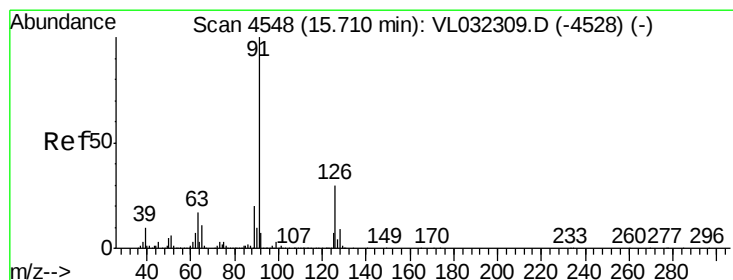
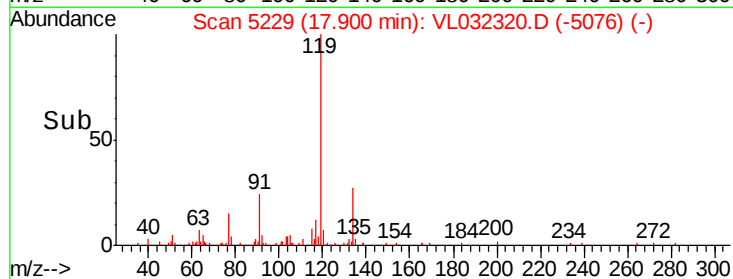
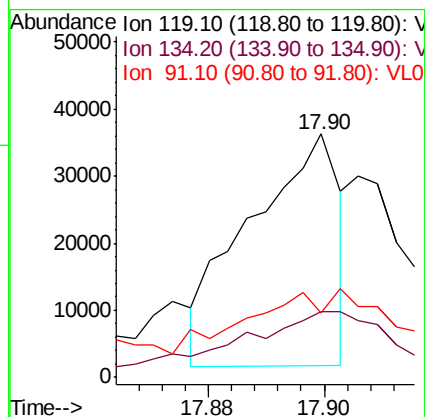
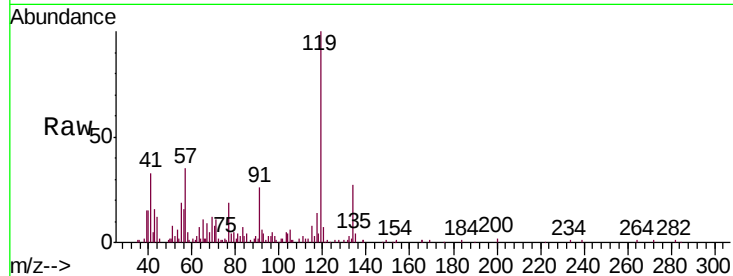




#69
p-Isopropyltoluene
Concen: 0.069 ppbv
RT: 17.90 min Scan# 5229
Delta R.T. -0.01 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

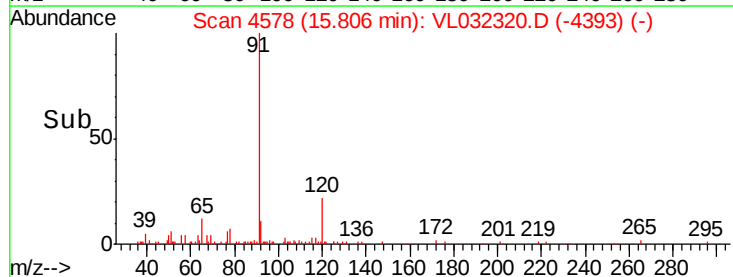
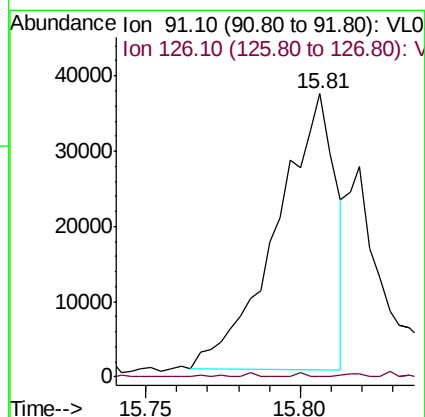
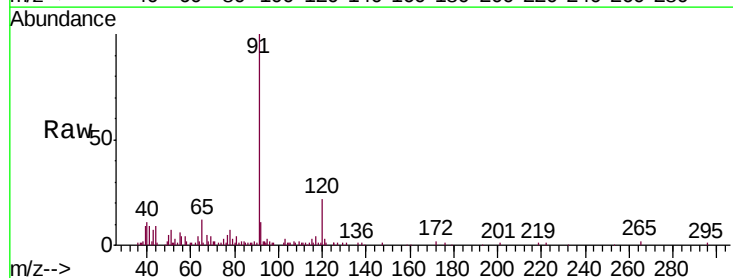
Instrument :
MSVOA_L
ClientSampleId :

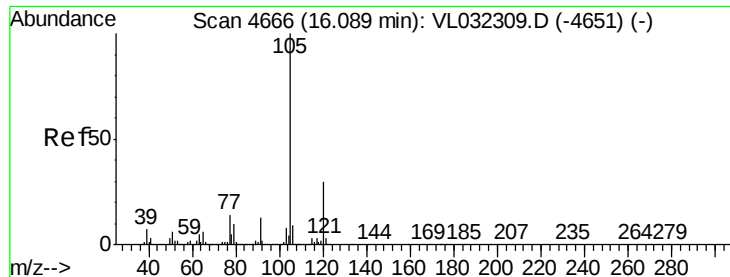
Tot Ion:119 Resp: 37590
Ion Ratio Lower Upper
119 100
134 0.0 20.3 30.5#
91 0.0 23.8 35.6#



#71
2-Chlorotoluene
Concen: 0.112 ppbv
RT: 15.81 min Scan# 4578
Delta R.T. 0.10 min
Lab File: VL032320.D
Acq: 27 Jul 2018 15:39

Tgt Ion: 91 Resp: 48808
Ion Ratio Lower Upper
91 100
126 0.7 11.8 47.0#





#72

4-Ethyltoluene

Concen: 0.184 ppbv

RT: 16.08 min Scan# 4664

Delta R.T. -0.01 min

Lab File: VL032320.D

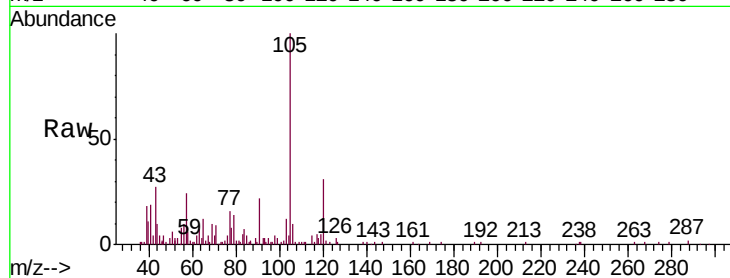
Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	80397
Ion	Ratio	Lower	Upper
105	100		
120	31.9	23.1	34.7
91	16.2	10.0	15.0
77	15.7	11.5	17.3

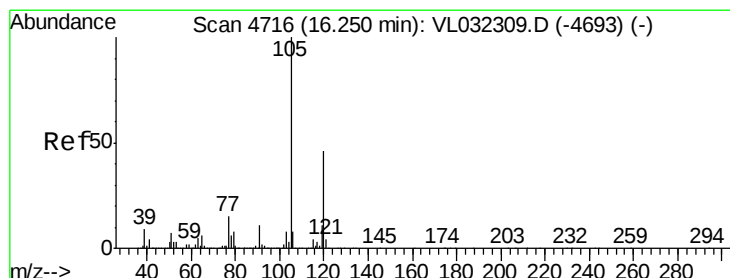
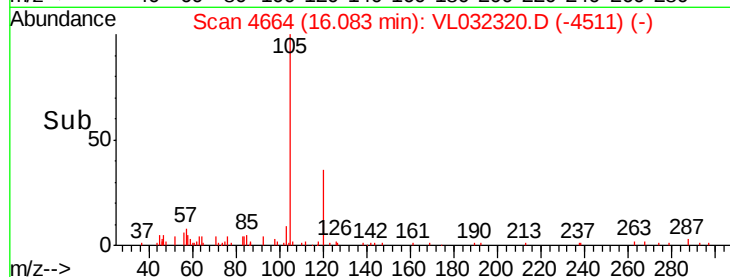
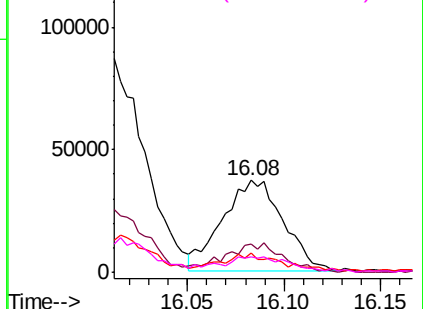


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.099 ppbv

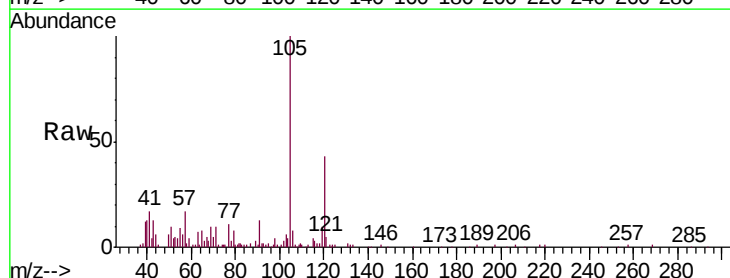
RT: 16.25 min Scan# 4715

Delta R.T. -0.00 min

Lab File: VL032320.D

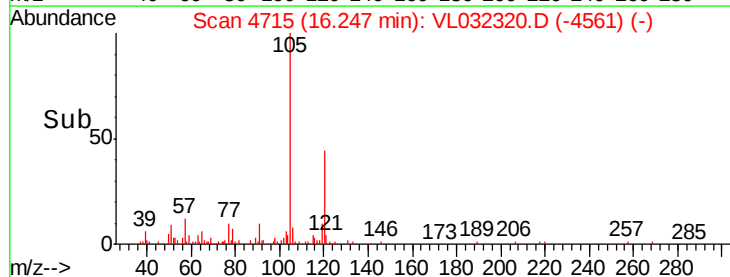
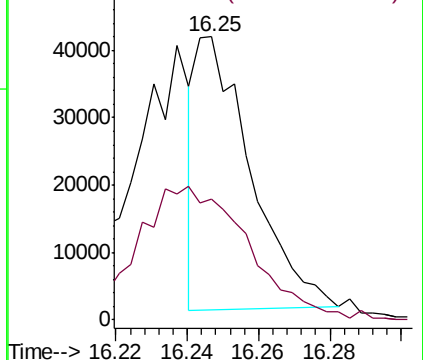
Acq: 27 Jul 2018 15:39

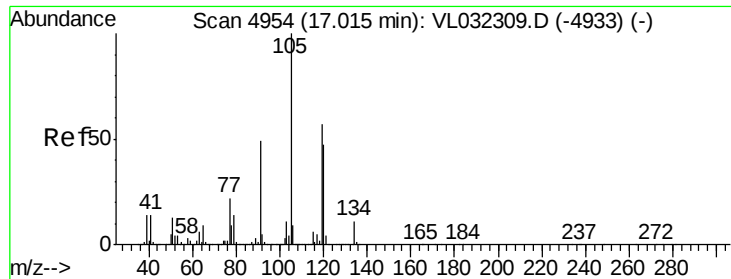
Tgt Ion:	105	Resp:	42800
Ion	Ratio	Lower	Upper
105	100		
120	42.6	36.5	54.7



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: 0.616 ppbv

RT: 17.01 min Scan# 4952

Delta R.T. -0.01 min

Lab File: VL032320.D

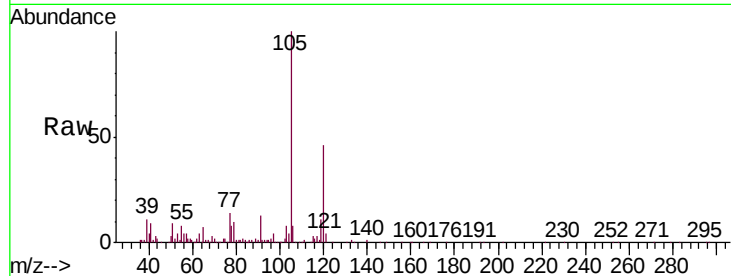
Acq: 27 Jul 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	279441
Ion	Ratio	Lower	Upper
105	100		
120	45.3	37.8	56.6
91	12.2	39.4	59.0#
77	12.9	17.6	26.4#

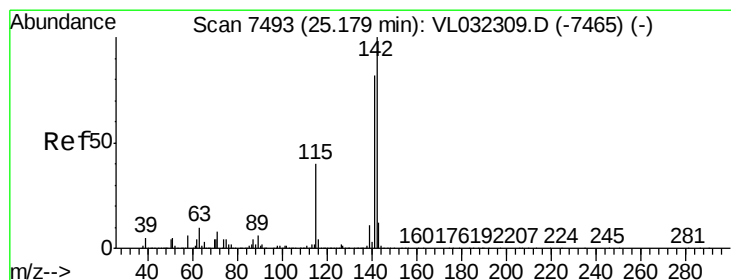
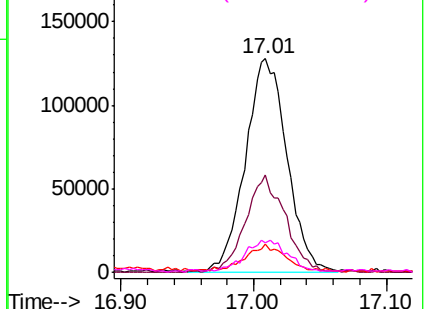
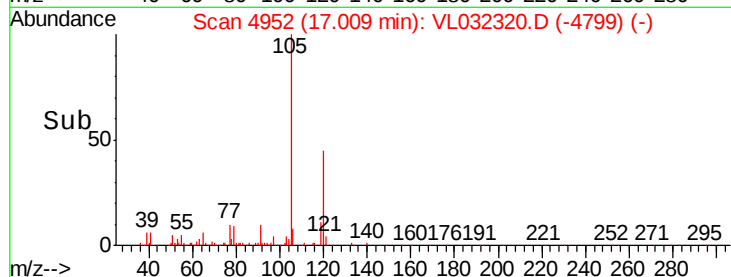


Abundance Ion 105.10 (104.80 to 105.80): V

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



#80

Naphthalene, 2-methyl-

Concen: 0.039 ppbv

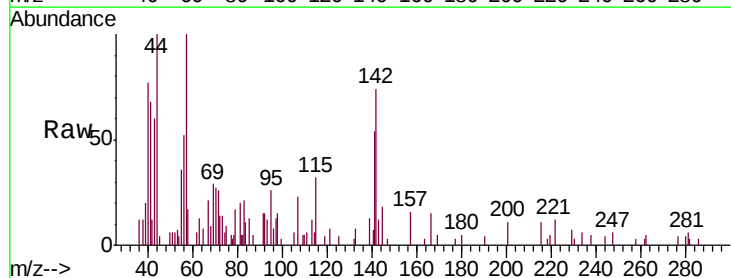
RT: 25.18 min Scan# 7494

Delta R.T. 0.00 min

Lab File: VL032320.D

Acq: 27 Jul 2018 15:39

Tgt Ion:	142	Resp:	6040
Ion	Ratio	Lower	Upper
142	100		
141	79.7	66.7	100.1
115	53.0	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

