

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033353.D
 Acq On : 16 Mar 2019 5:46
 Operator : SY/AP
 Sample : K1827-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 16 06:49:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

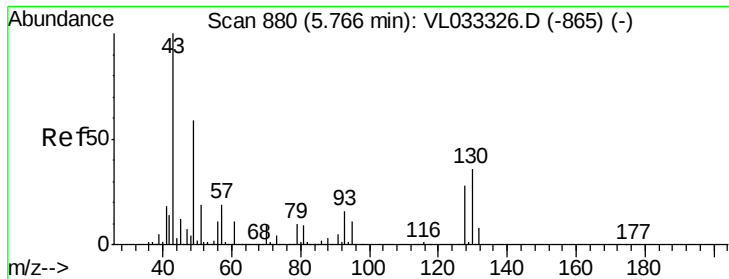
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	688148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1534527	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1698205	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1302992	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	34747	0.287	ppbv	98
3) Chlorodifluoromethane	3.01	51	290974	3.684	ppbv #	86
4) Chloromethane	3.17	50	23786	0.556	ppbv #	89
9) Propene	3.24	41	135671	3.848	ppbv	98
10) Heptane	8.25	43	55075	0.630	ppbv	99
11) Trichlorofluoromethane	4.00	101	32543	0.270	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.55	101	3128	0.039	ppbv #	14
13) Ethanol	3.66	45	1933860	115.052	ppbv	98
15) Acetone	3.90	43	577053	5.394	ppbv	99
16) 1,3-Butadiene	3.35	39	4562	0.131	ppbv #	38
17) tert-Butyl alcohol	4.03	59	22140	1.471	ppbv	96
19) Isopropyl Alcohol	4.03	45	700141	13.760	ppbv	99
20) Methylene Chloride	4.41	84	59766	1.713	ppbv	93
21) Allyl Chloride	4.37	41	4299	0.083	ppbv #	77
23) Vinyl Acetate	5.15	43	7482	0.060	ppbv #	8
25) Ethyl Acetate	5.77	43	259583	1.669	ppbv	99
26) Hexane	5.78	57	118509	1.705	ppbv	95
27) Carbon Disulfide	4.62	76	6433	0.080	ppbv #	43
31) cis-1,2-Dichloroethene	5.77	61	22659	0.326	ppbv #	29
34) 2-Butanone	5.33	43	69283	0.687	ppbv	98
35) Carbon Tetrachloride	7.13	117	3367	0.031	ppbv #	78
36) Benzene	7.00	78	31577	0.230	ppbv #	95
37) 1,2-Dichloroethane	6.41	62	4381	0.050	ppbv #	96
38) Trichloroethene	7.97	130	8181	0.157	ppbv	94
39) 1,2-Dichloropropane	7.29	63	420155	8.170	ppbv #	25
43) Methyl Methacrylate	8.13	69	1644	0.031	ppbv #	1
44) 2,2,4-Trimethylpentane	7.99	57	14424	0.063	ppbv #	1
50) 4-Methyl-2-Pentanone	8.88	43	75528	0.531	ppbv	95
52) Tetrachloroethene	11.37	164	3689	0.064	ppbv #	63
53) Toluene	9.95	91	2359100	15.118	ppbv	100
58) Ethyl Benzene	12.87	91	56014	0.233	ppbv	96
59) m/p-Xylene	13.13	91	41829	0.203	ppbv #	100
60) o-Xylene	13.85	91	7472	0.037	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.93	105	9779	0.041	ppbv #	74
76) 1,4-Dichlorobenzene	17.30	146	3395	0.025	ppbv #	41

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033353.D

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Instrument :

MSVOA_L

ClientSampleId :

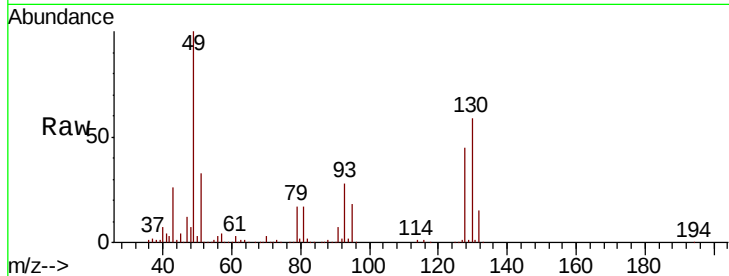
Tot Ion: 49 Resp: 688148

Ion Ratio Lower Upper

49 100

128 46.7 23.5 70.6

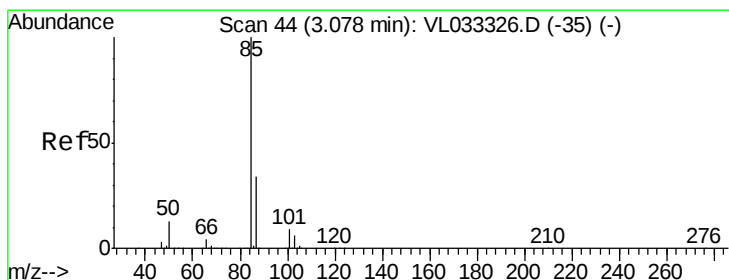
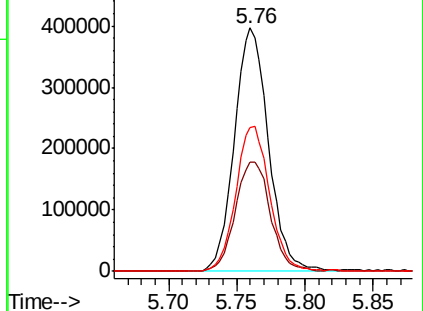
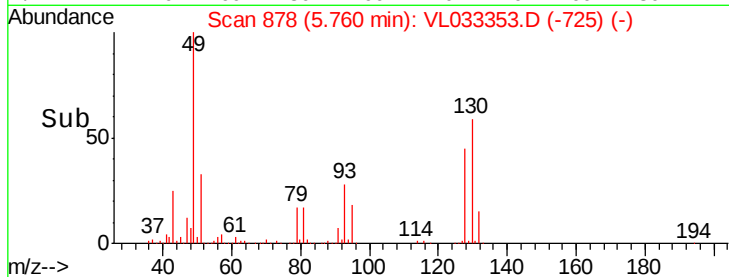
130 59.9 30.1 90.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.287 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033353.D

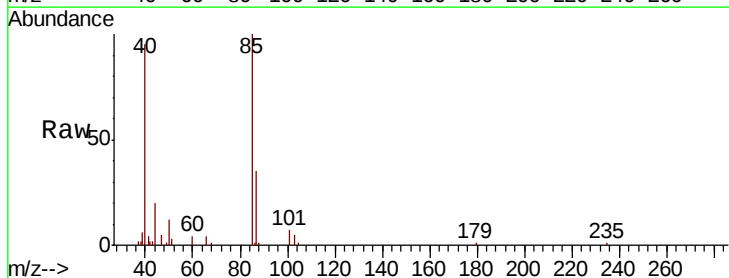
Acq: 16 Mar 2019 5:46

Tgt Ion: 85 Resp: 34747

Ion Ratio Lower Upper

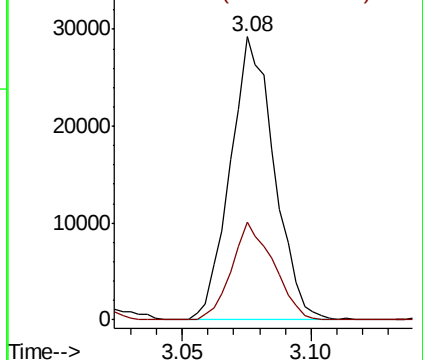
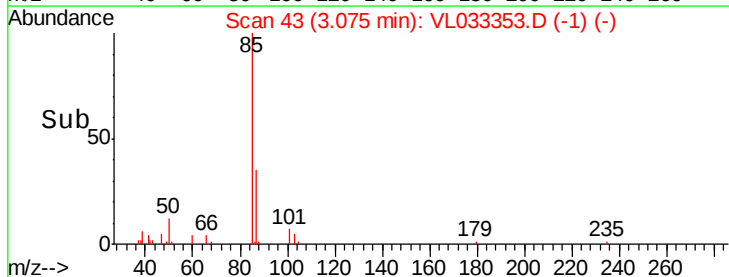
85 100

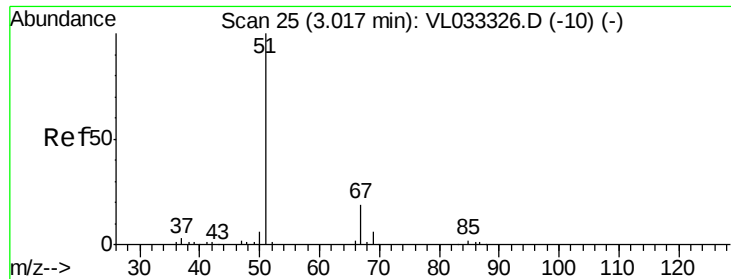
87 34.7 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 3.684 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :

MSVOA_L

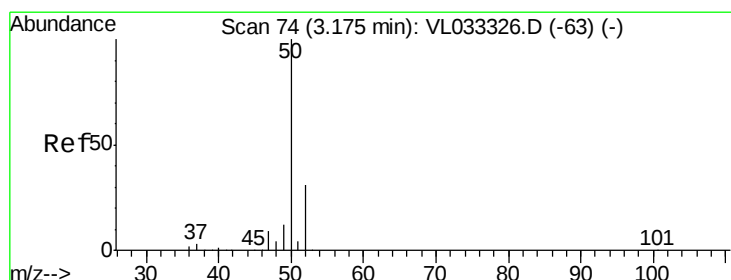
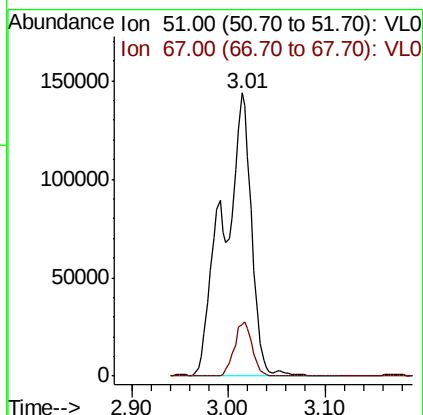
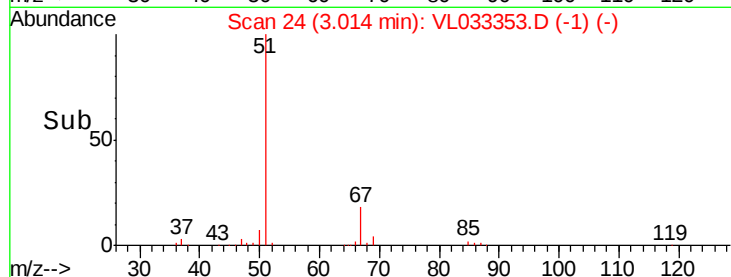
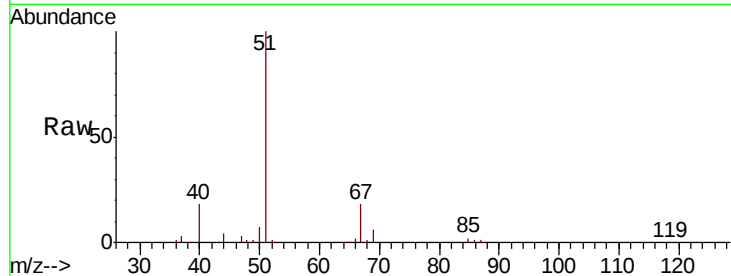
ClientSampleId :

Tot Ion: 51 Resp: 290974

Ion Ratio Lower Upper

51 100

67 12.2 14.9 22.3#



#4

Chloromethane

Concen: 0.556 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL033353.D

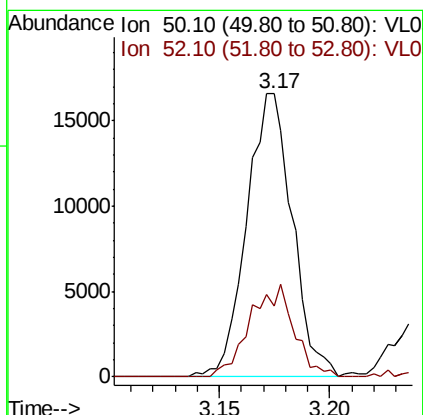
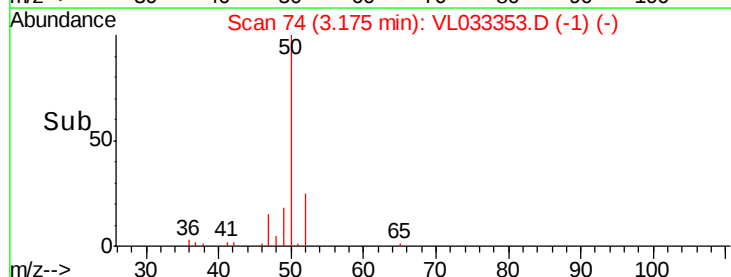
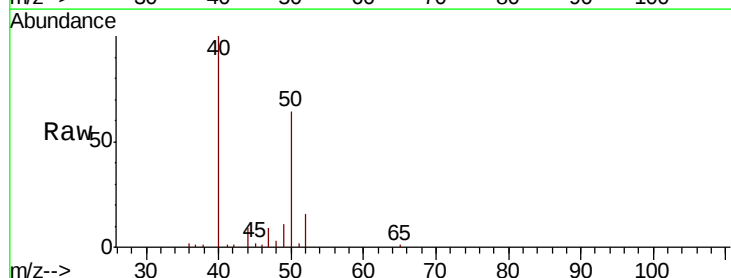
Acq: 16 Mar 2019 5:46

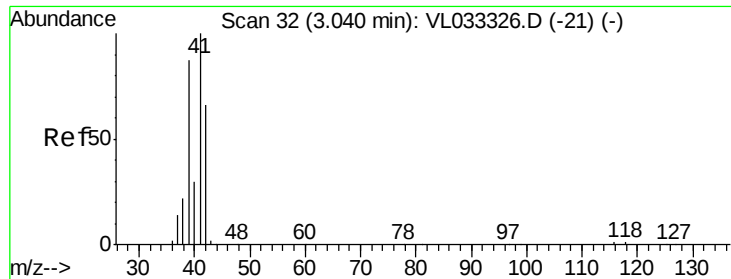
Tgt Ion: 50 Resp: 23786

Ion Ratio Lower Upper

50 100

52 25.0 25.0 37.6#





#9

Propene

Concen: 3.848 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :

MSVOA_L

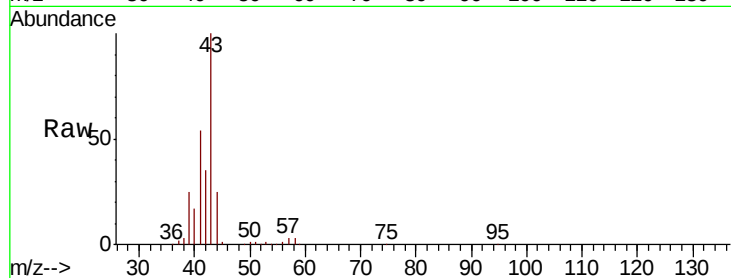
ClientSampleId :

Tot Ion: 41 Resp: 135671

Ion Ratio Lower Upper

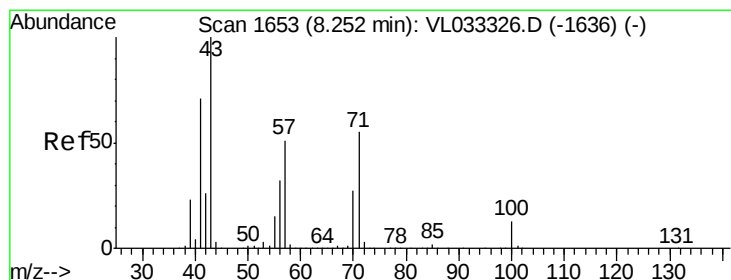
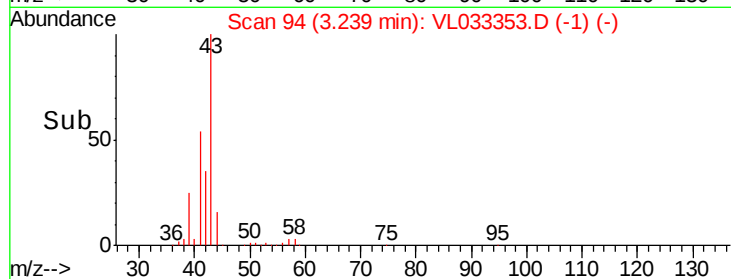
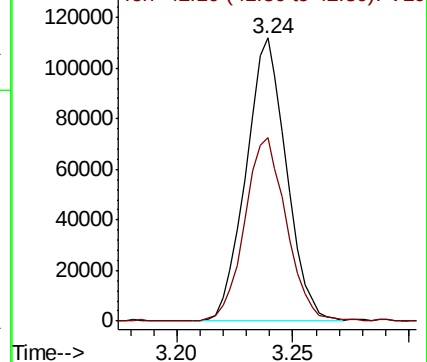
41 100

42 67.6 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.630 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL033353.D

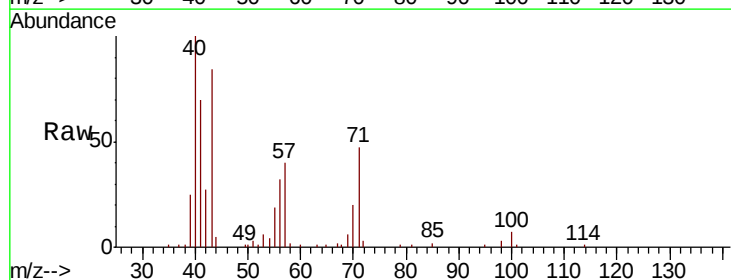
Acq: 16 Mar 2019 5:46

Tgt Ion: 43 Resp: 55075

Ion Ratio Lower Upper

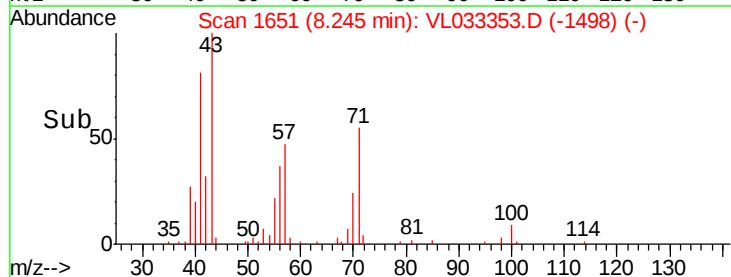
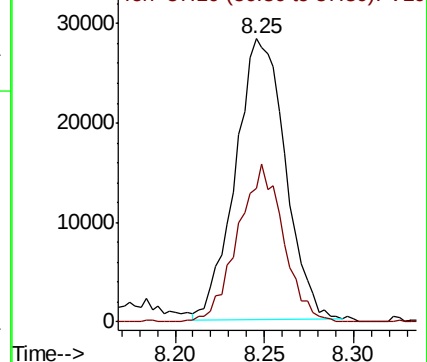
43 100

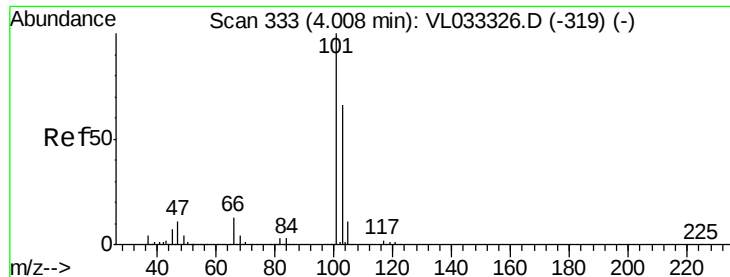
57 51.1 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

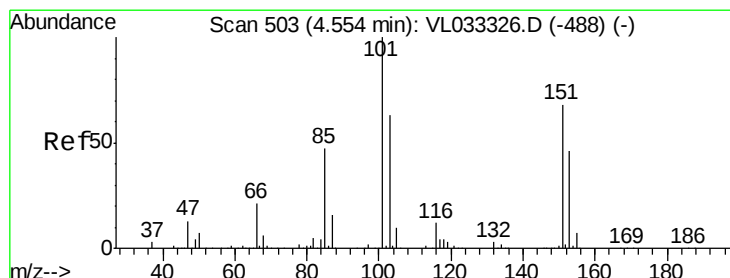
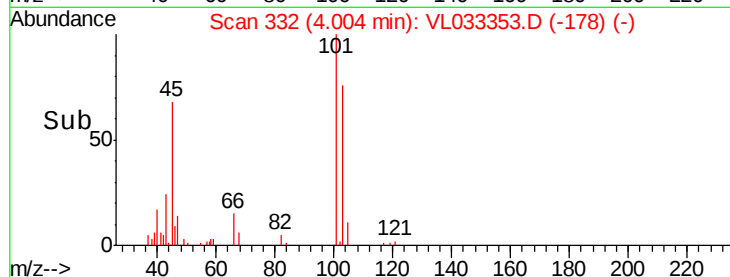
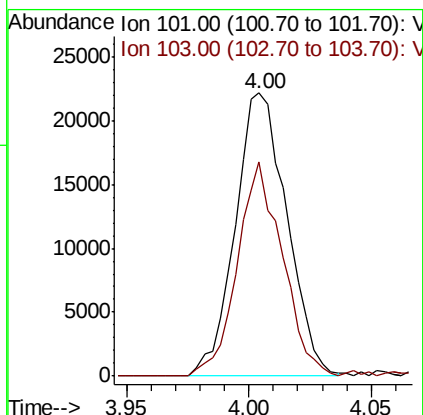
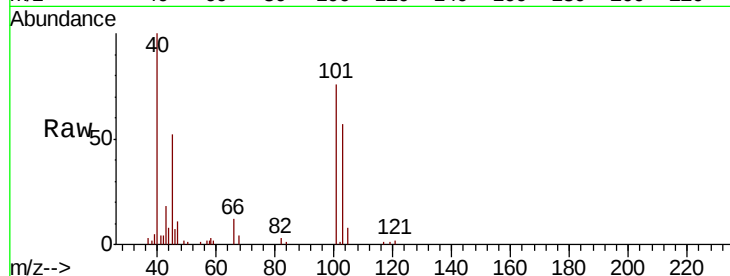




#11
 Trichlorofluoromethane
 Concen: 0.270 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

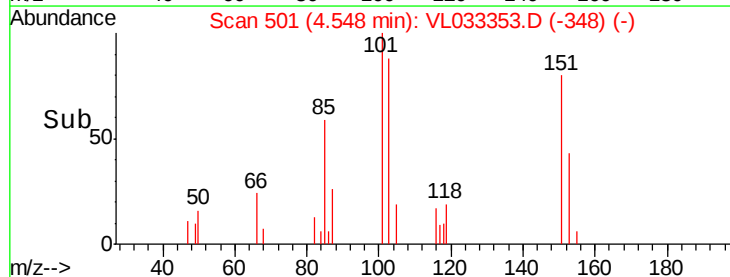
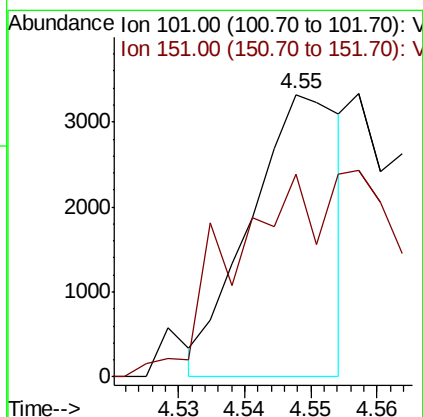
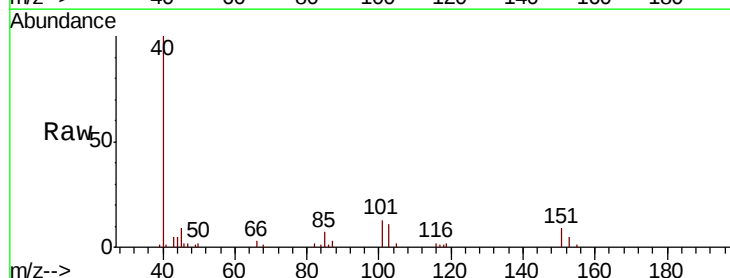
Instrument :
 MSVOA_L
 ClientSampleId :

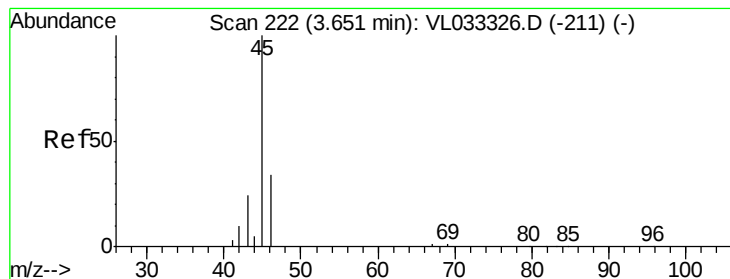
Tot Ion:101 Resp: 32543
 Ion Ratio Lower Upper
 101 100
 103 75.5 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.039 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

Tgt Ion:101 Resp: 3128
 Ion Ratio Lower Upper
 101 100
 151 0.0 56.3 84.5#





#13

Ethanol

Concen: 115.052 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :

MSVOA_L

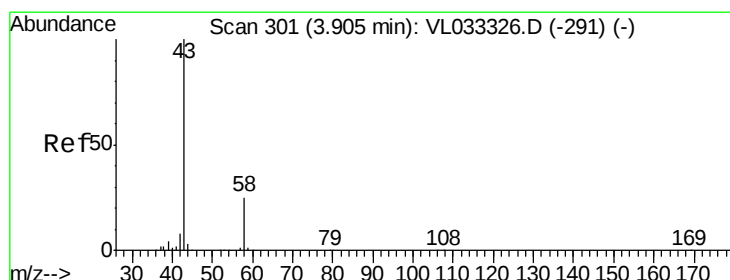
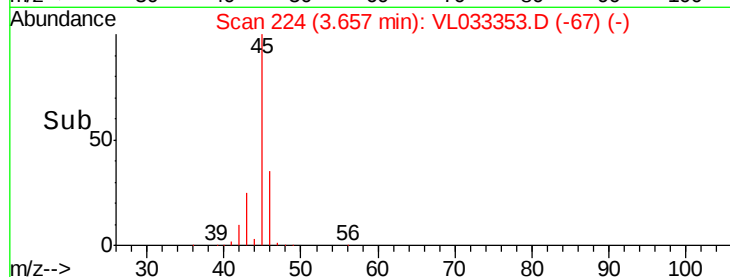
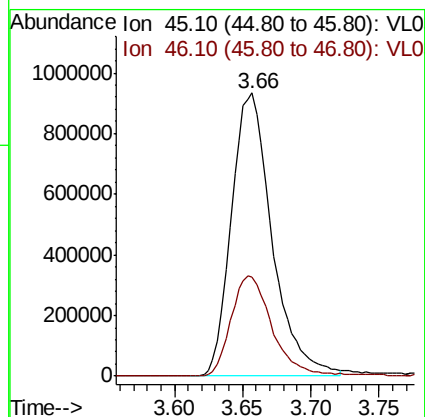
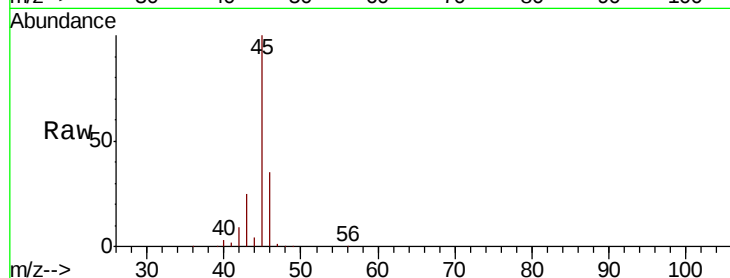
ClientSampleId :

Tot Ion: 45 Resp: 1933860

Ion Ratio Lower Upper

45 100

46 36.4 14.9 59.7



#15

Acetone

Concen: 5.394 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.01 min

Lab File: VL033353.D

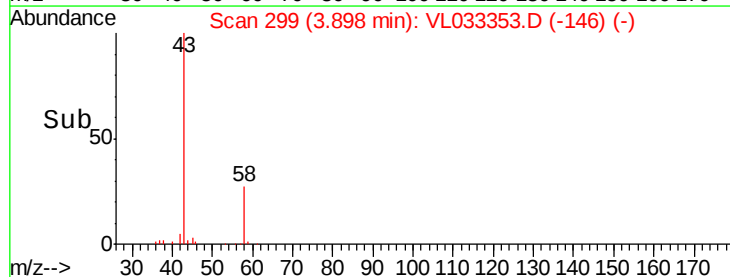
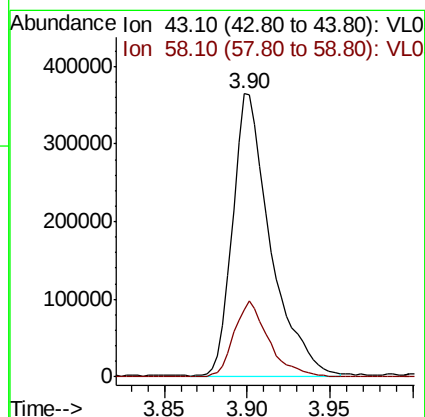
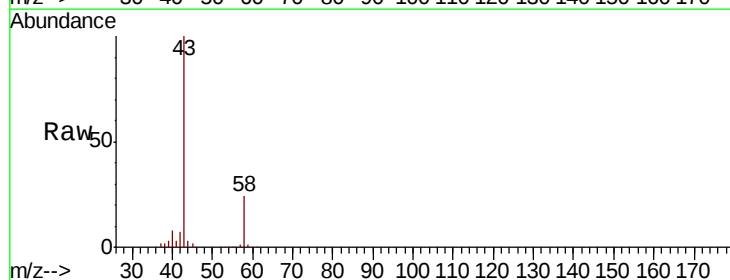
Acq: 16 Mar 2019 5:46

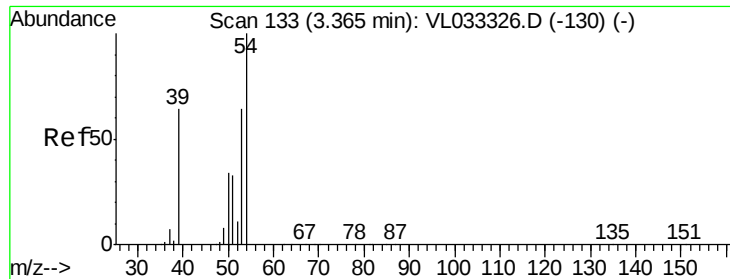
Tgt Ion: 43 Resp: 577053

Ion Ratio Lower Upper

43 100

58 25.0 20.4 30.6

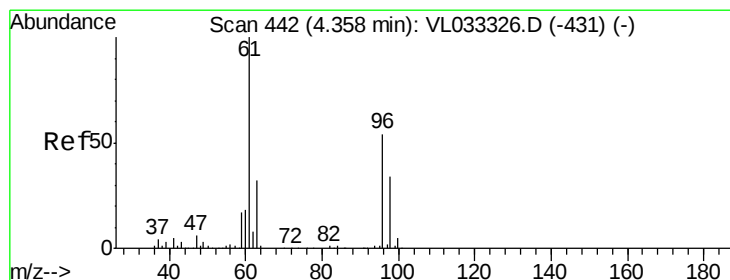
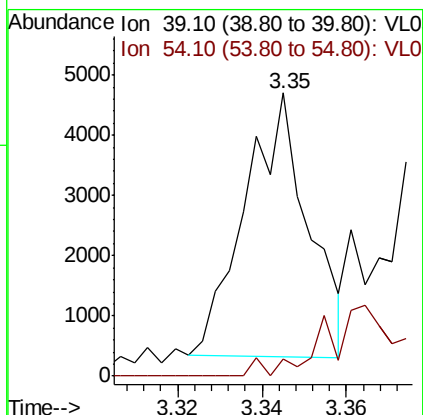
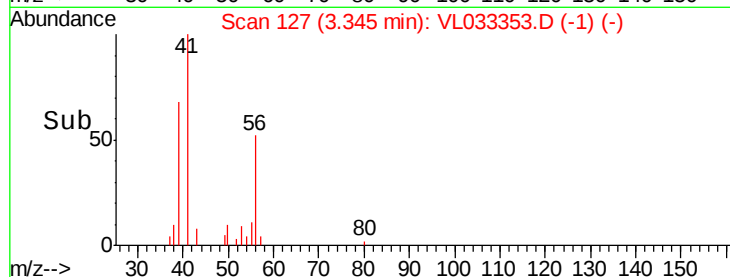
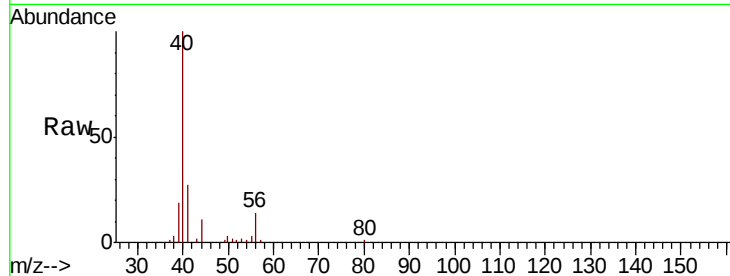




#16
1,3-Butadiene
Concen: 0.131 ppbv
RT: 3.35 min Scan# 127
Delta R.T. -0.02 min
Lab File: VL033353.D
Acq: 16 Mar 2019 5:46

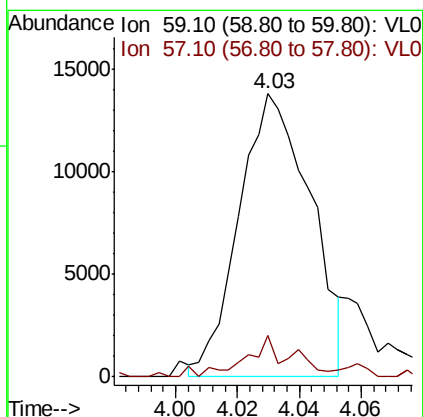
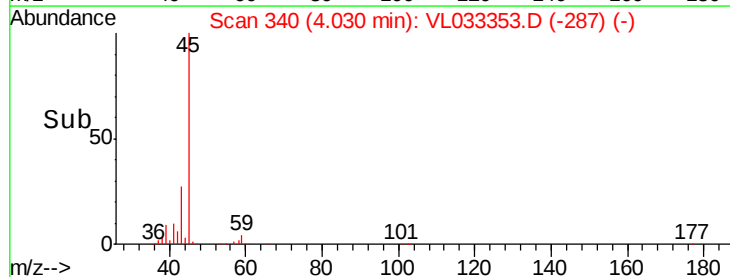
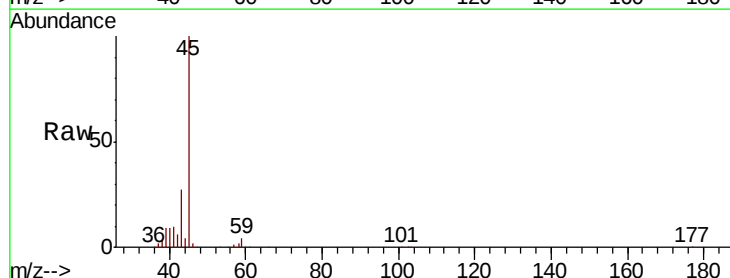
Instrument :
MSVOA_L
ClientSampleId :

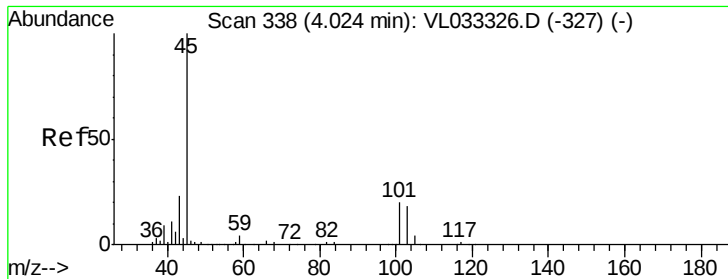
Tot Ion: 39 Resp: 4562
Ion Ratio Lower Upper
39 100
54 35.2 76.8 115.2#



#17
tert-Butyl alcohol
Concen: 1.471 ppbv
RT: 4.03 min Scan# 340
Delta R.T. -0.33 min
Lab File: VL033353.D
Acq: 16 Mar 2019 5:46

Tgt Ion: 59 Resp: 22140
Ion Ratio Lower Upper
59 100
57 11.2 7.7 11.5



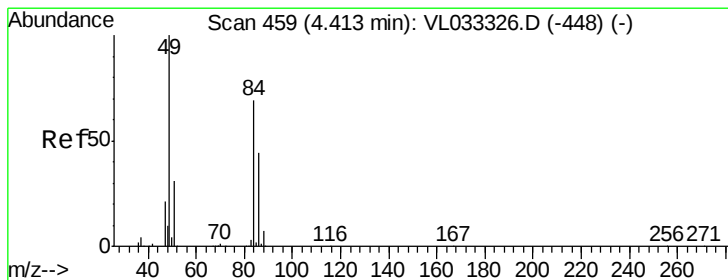
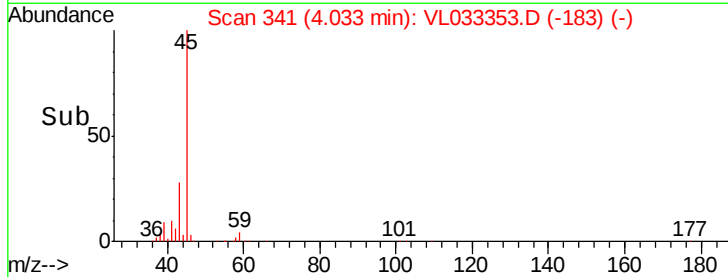
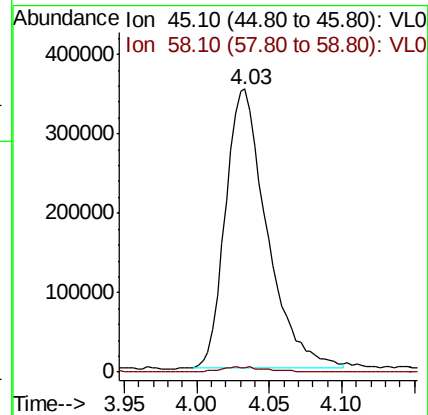
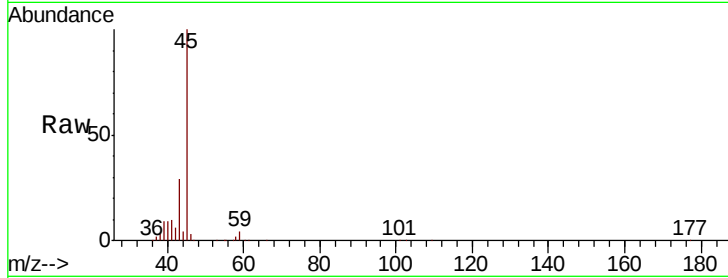


#19

Isopropyl Alcohol
 Concen: 13.760 ppbv
 RT: 4.03 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

Instrument :
 MSVOA_L
 ClientSampleId :

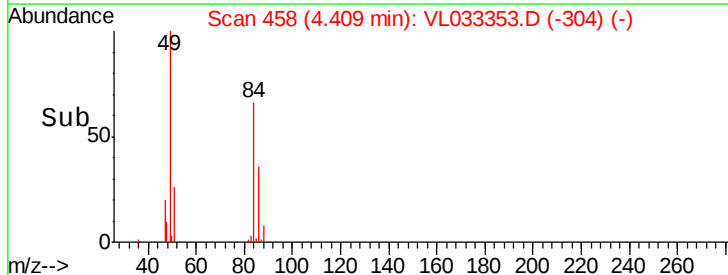
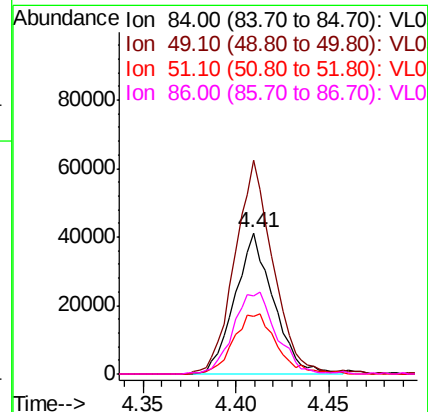
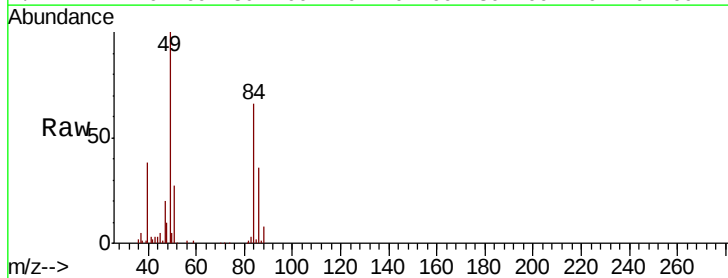
Tot Ion: 45 Resp: 700141
 Ion Ratio Lower Upper
 45 100
 58 2.2 1.5 2.3

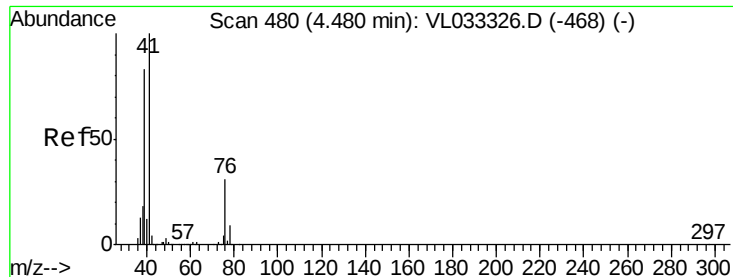


#20

Methylene Chloride
 Concen: 1.713 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

Tgt Ion: 84 Resp: 59766
 Ion Ratio Lower Upper
 84 100
 49 149.7 115.4 173.0
 51 40.1 35.8 53.6
 86 54.4 50.6 75.8

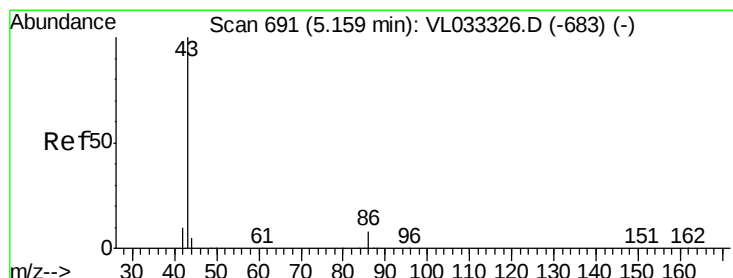
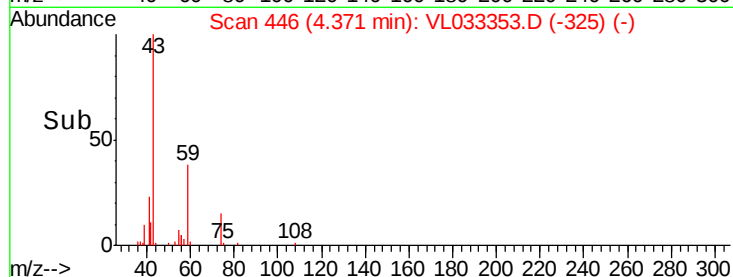
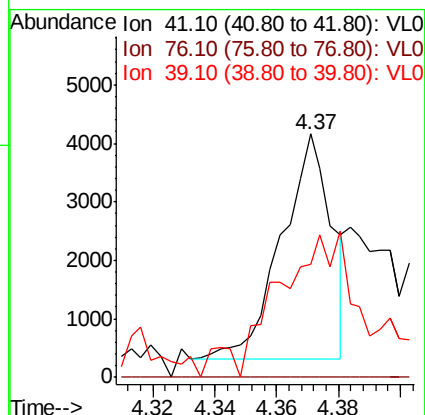
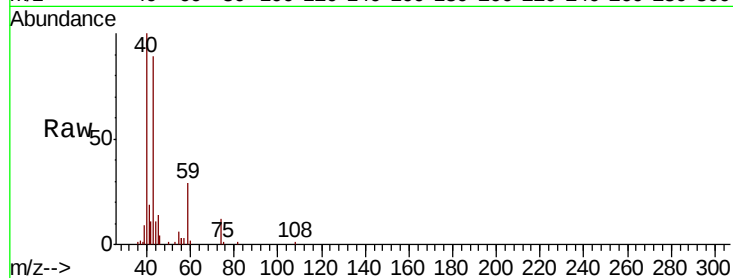




#21
Allvl Chloride
Concen: 0.083 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.11 min
Lab File: VL033353.D
Acq: 16 Mar 2019 5:46

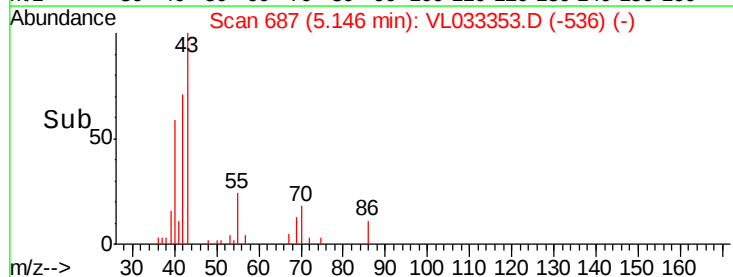
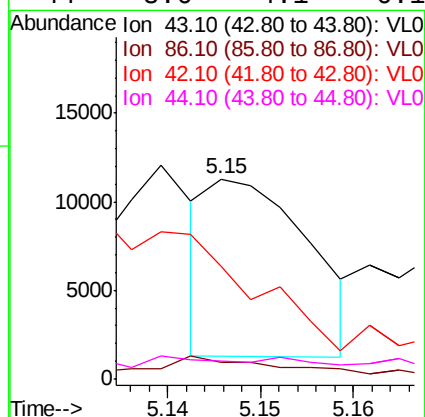
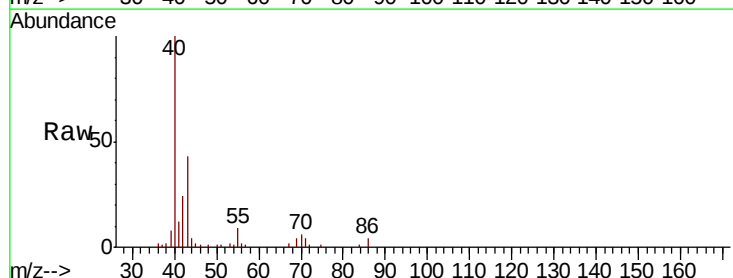
Instrument :
MSVOA_L
ClientSampleId :

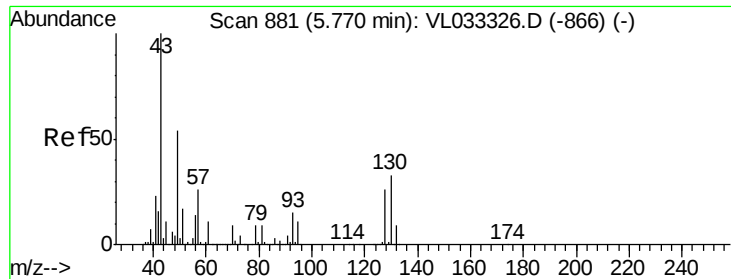
Tot Ion: 41 Resp: 4299
Ion Ratio Lower Upper
41 100
76 0.0 25.0 37.4#
39 92.0 65.9 98.9



#23
Vinyl Acetate
Concen: 0.060 ppbv
RT: 5.15 min Scan# 687
Delta R.T. -0.01 min
Lab File: VL033353.D
Acq: 16 Mar 2019 5:46

Tgt Ion: 43 Resp: 7482
Ion Ratio Lower Upper
43 100
86 6.3 6.2 9.2
42 84.3 8.1 12.1#
44 8.6 4.1 6.1#





#25

Ethyl Acetate

Concen: 1.669 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 259583

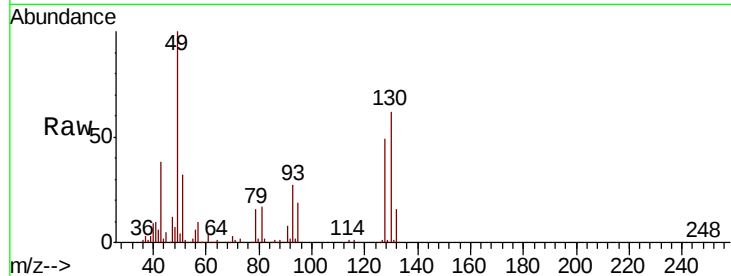
Ion Ratio Lower Upper

43 100

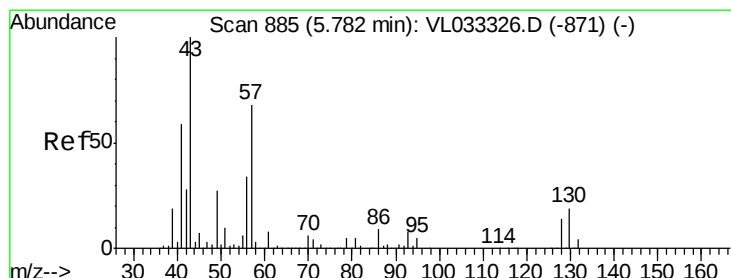
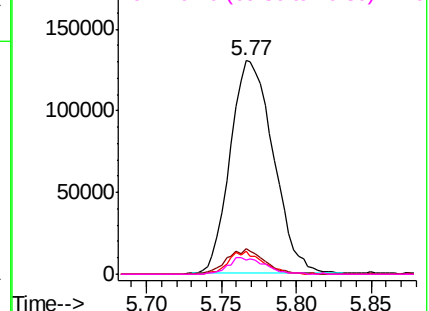
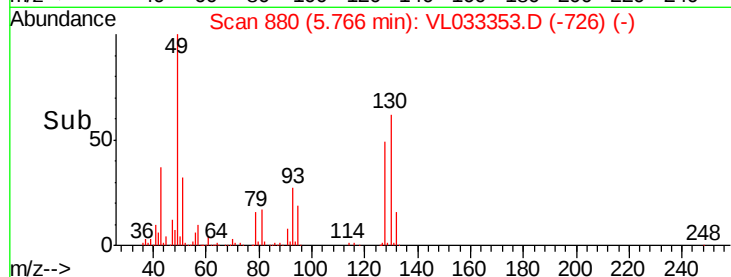
45 10.7 7.9 11.9

61 8.9 7.4 11.2

70 6.8 5.7 8.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.705 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Tgt Ion: 57 Resp: 118509

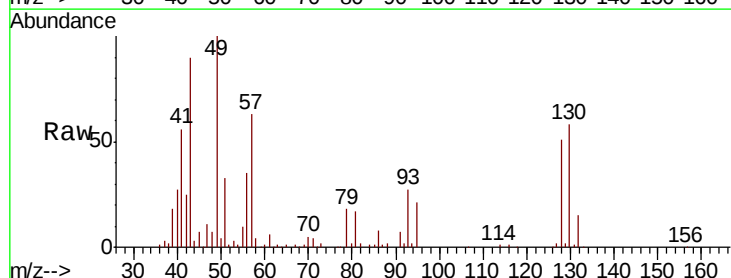
Ion Ratio Lower Upper

57 100

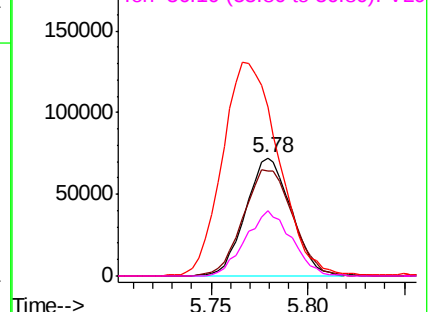
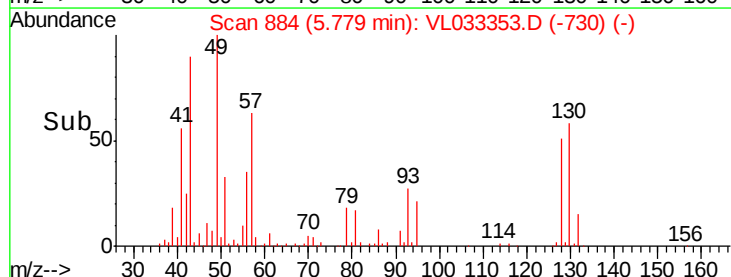
41 98.2 70.5 105.7

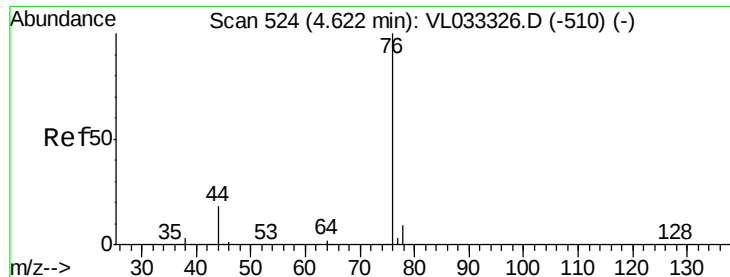
43 223.5 181.8 272.8

56 56.0 42.2 63.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.080 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :

MSVOA_L

ClientSampled :

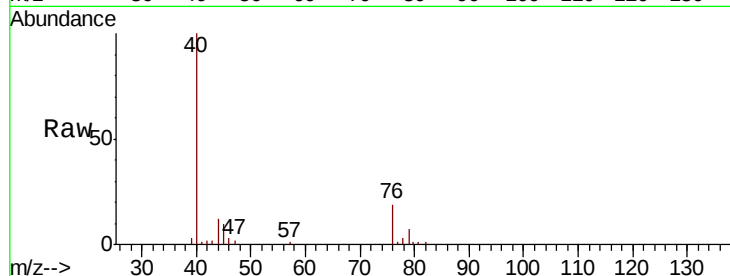
Tot Ion: 76 Resp: 6433

Ion Ratio Lower Upper

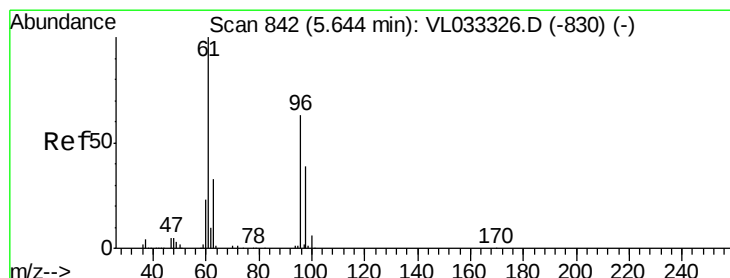
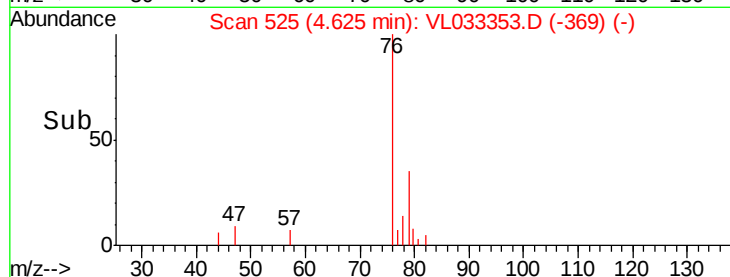
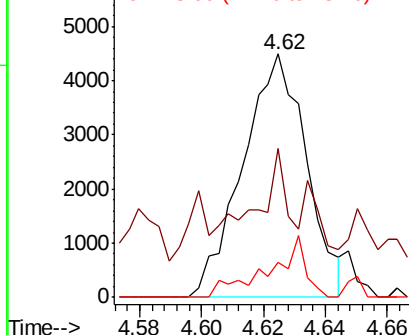
76 100

44 52.3 15.2 22.8#

78 16.6 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.326 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.12 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

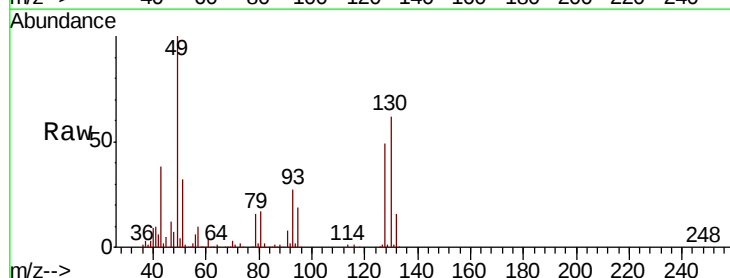
Tgt Ion: 61 Resp: 22659

Ion Ratio Lower Upper

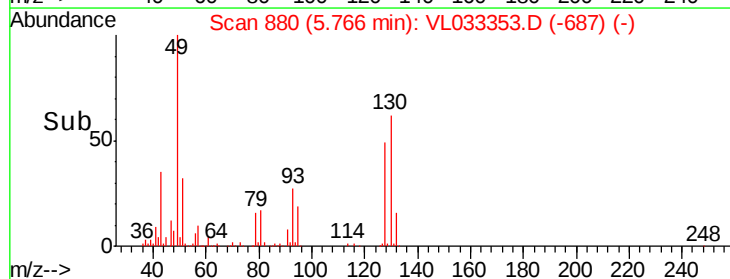
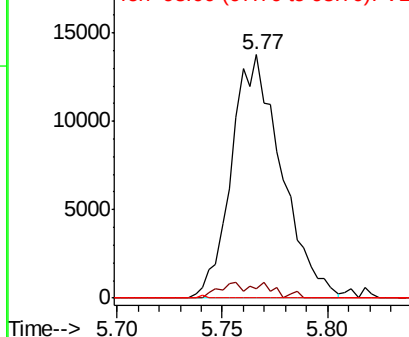
61 100

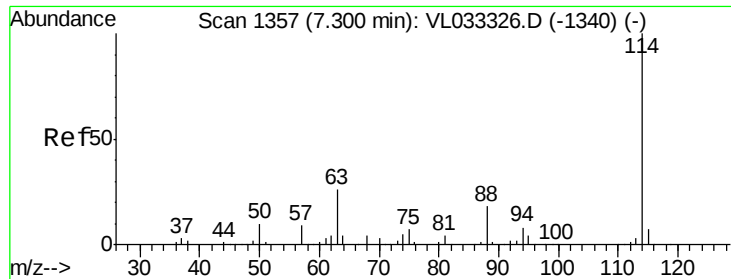
96 4.1 50.3 75.5#

98 0.0 31.5 47.3#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0

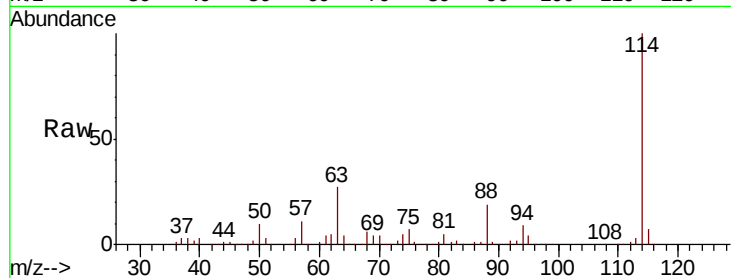




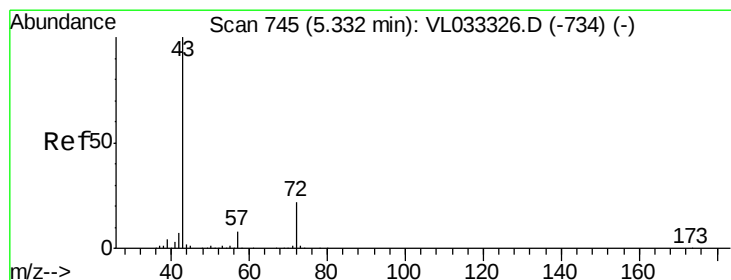
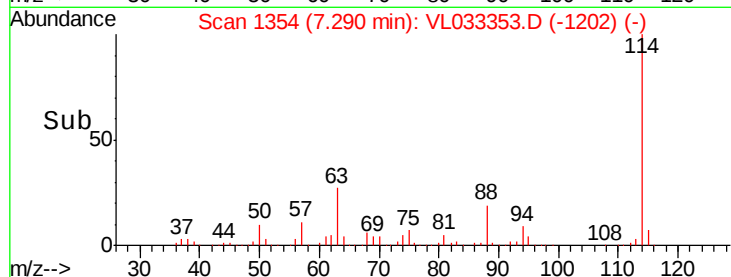
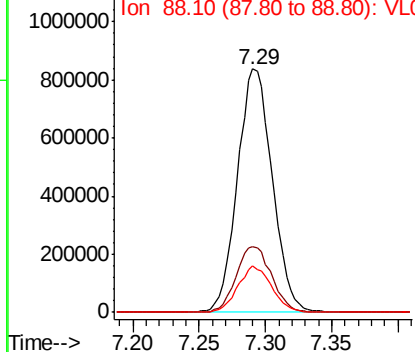
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1534527
 Ion Ratio Lower Upper
 114 100
 63 27.5 21.4 32.2
 88 18.5 14.5 21.7

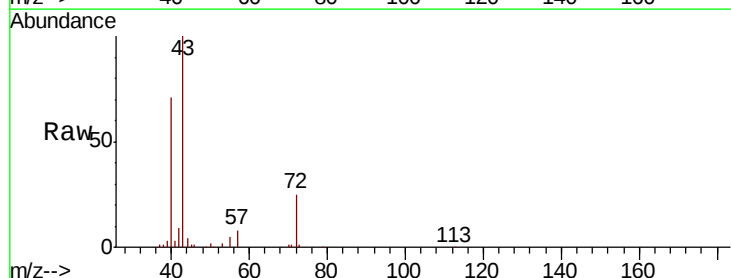


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

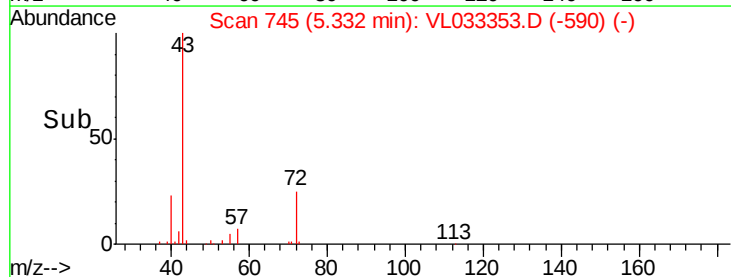
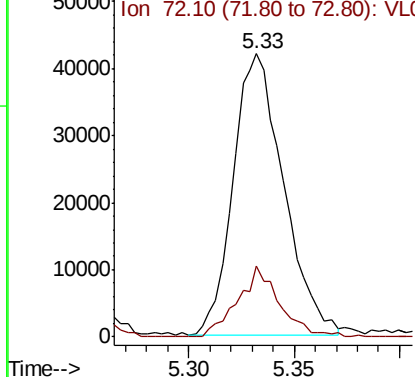


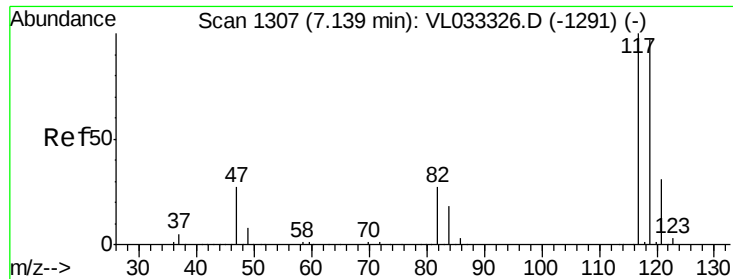
#34
 2-Butanone
 Concen: 0.687 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

Tgt Ion: 43 Resp: 69283
 Ion Ratio Lower Upper
 43 100
 72 21.1 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.031 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :

MSVOA_L

ClientSampleId :

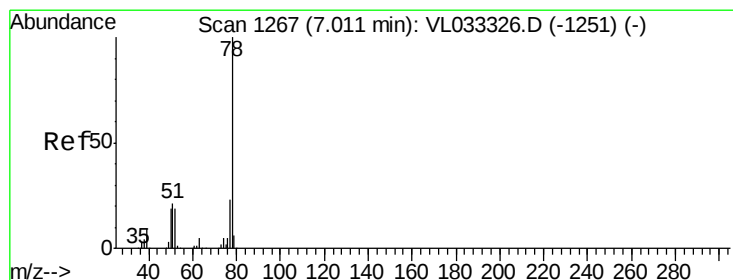
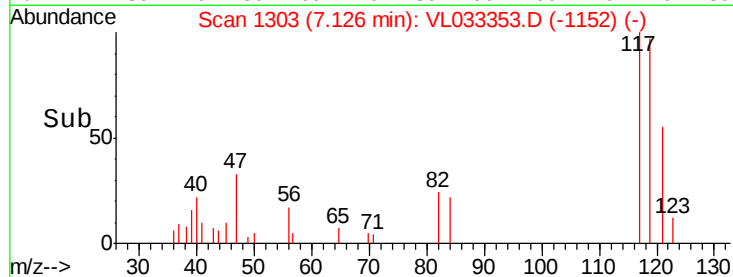
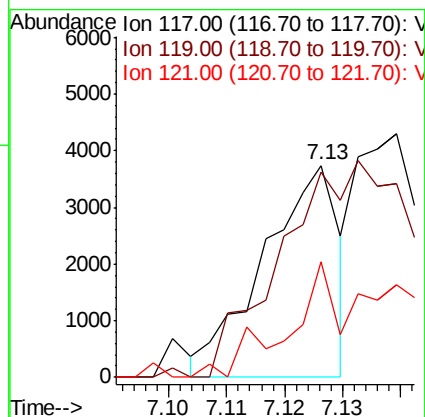
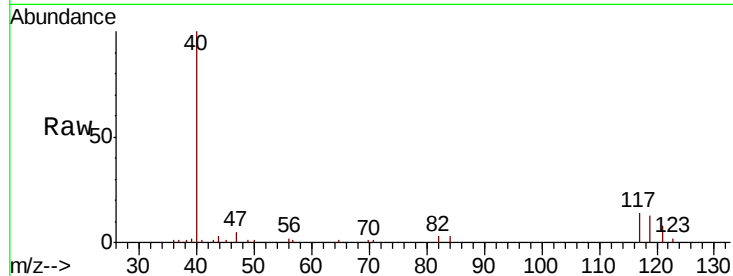
Tot Ion:117 Resp: 3367

Ion Ratio Lower Upper

117 100

119 107.8 77.4 116.0

121 60.6 24.9 37.3#



#36

Benzene

Concen: 0.230 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

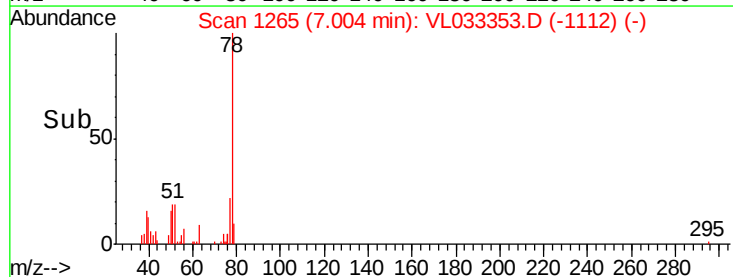
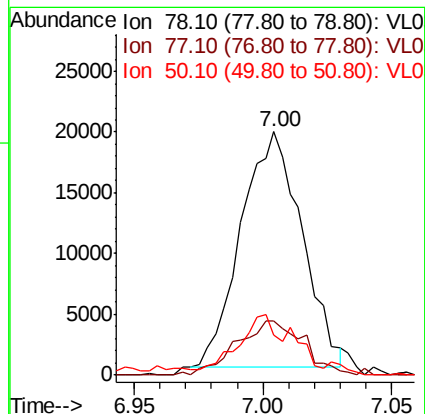
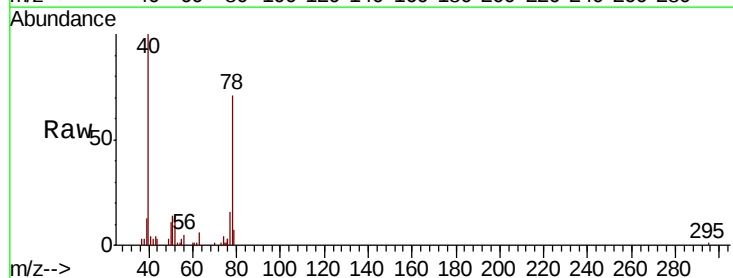
Tgt Ion: 78 Resp: 31577

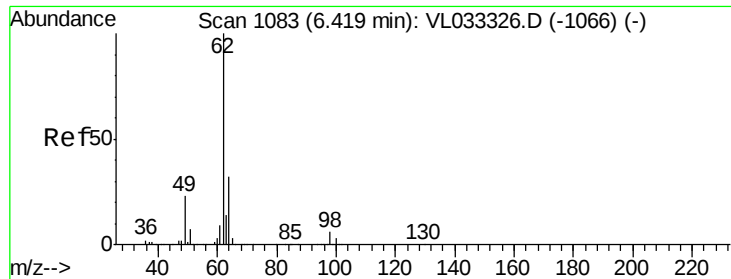
Ion Ratio Lower Upper

78 100

77 23.1 18.1 27.1

50 14.3 15.2 22.8#

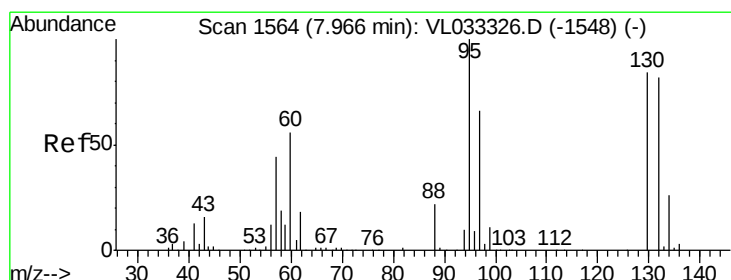
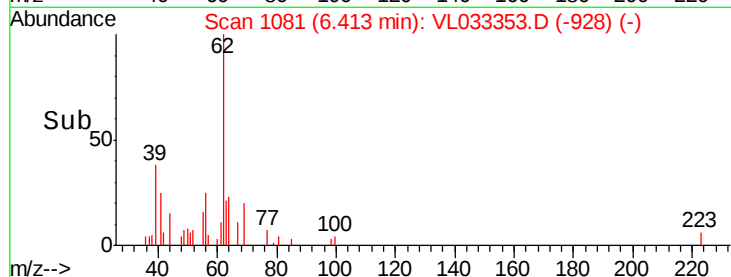
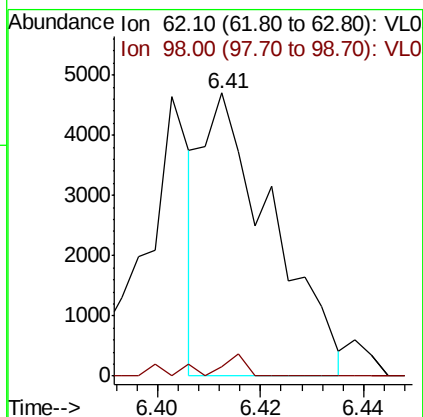
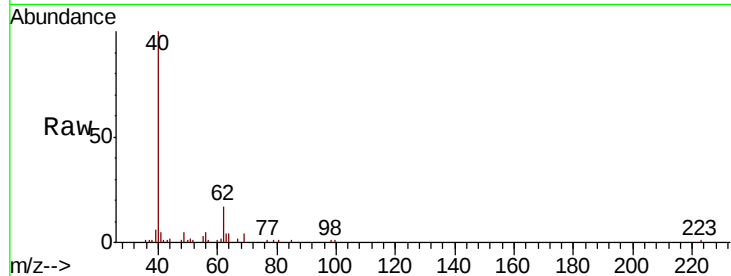




#37
 1,2-Dichloroethane
 Concen: 0.050 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

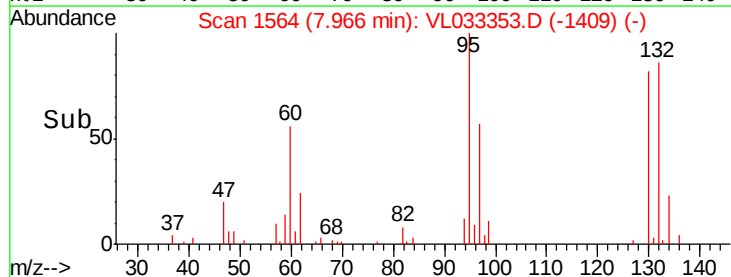
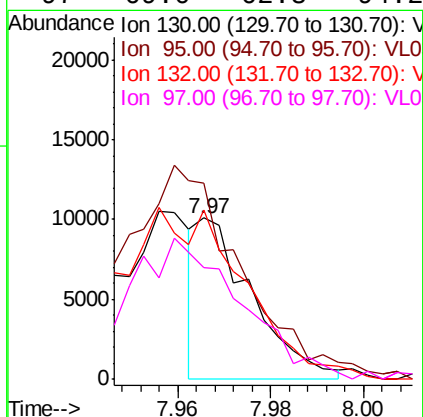
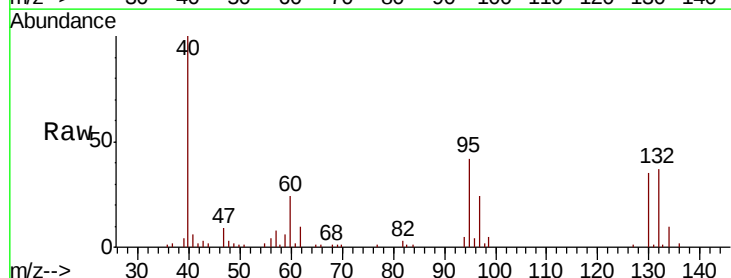
Instrument :
 MSVOA_L
 ClientSampleId :

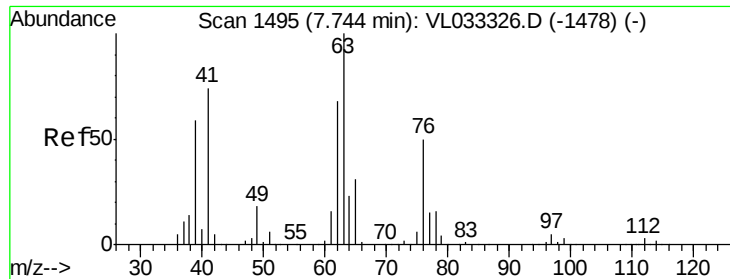
Tot Ion: 62 Resp: 4381
 Ion Ratio Lower Upper
 62 100
 98 4.1 4.5 6.7#



#38
 Trichloroethene
 Concen: 0.157 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

Tgt Ion: 130 Resp: 8181
 Ion Ratio Lower Upper
 130 100
 95 117.4 95.2 142.8
 132 105.7 77.7 116.5
 97 69.0 62.8 94.2

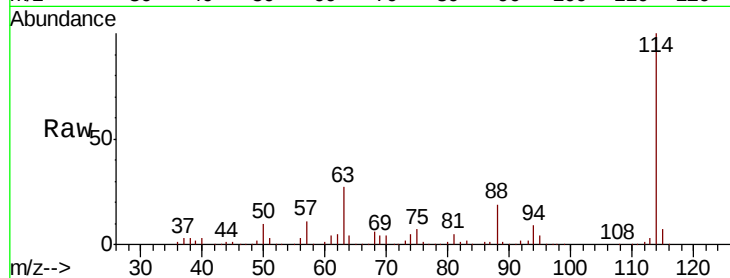




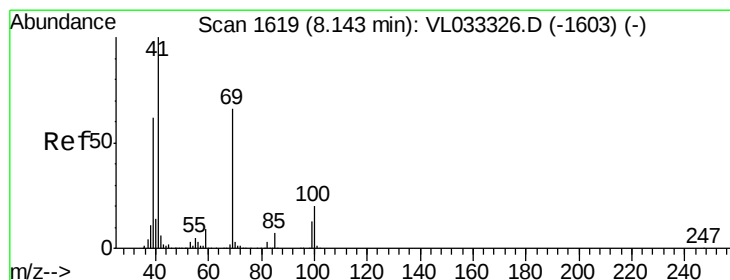
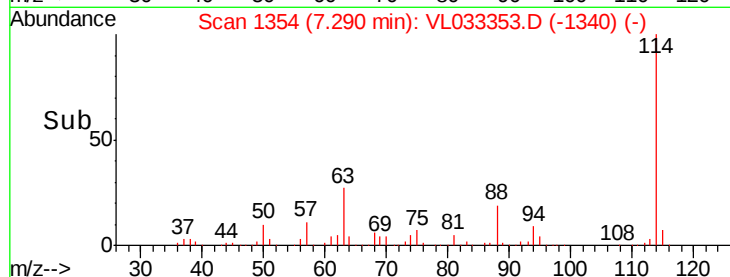
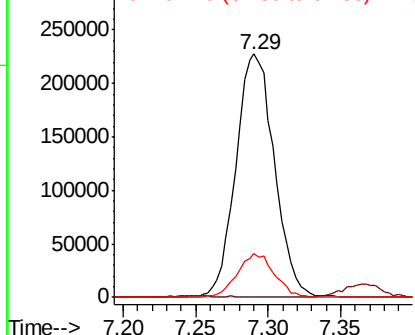
#39
 1,2-Dichloropropane
 Concen: 8.170 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.45 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 420155
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.5 89.3#
 62 18.2 54.7 82.1#

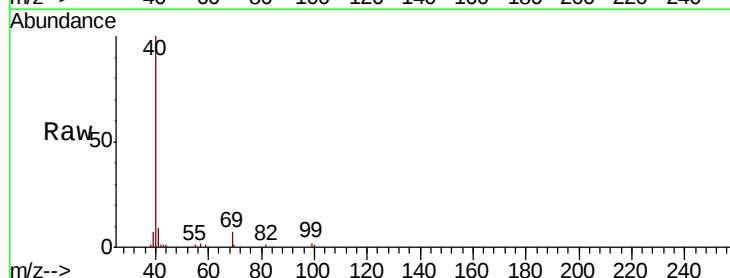


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

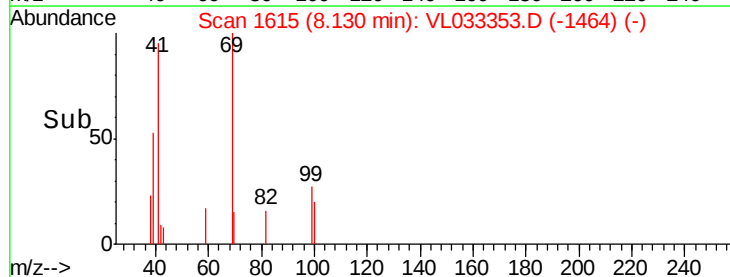
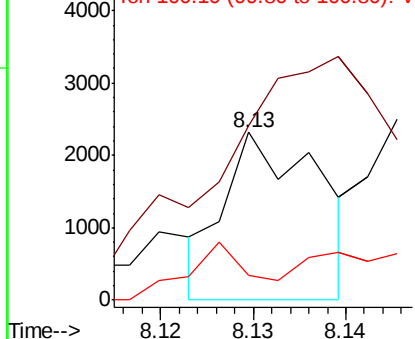


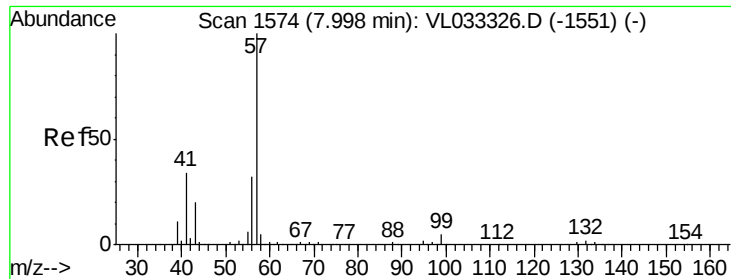
#43
 Methyl Methacrylate
 Concen: 0.031 ppbv
 RT: 8.13 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

Tgt Ion: 69 Resp: 1644
 Ion Ratio Lower Upper
 69 100
 41 0.0 119.5 179.3#
 100 64.8 24.4 36.6#



Abundance Ion 69.10 (68.80 to 69.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.063 ppbv

RT: 7.99 min Scan# 1572

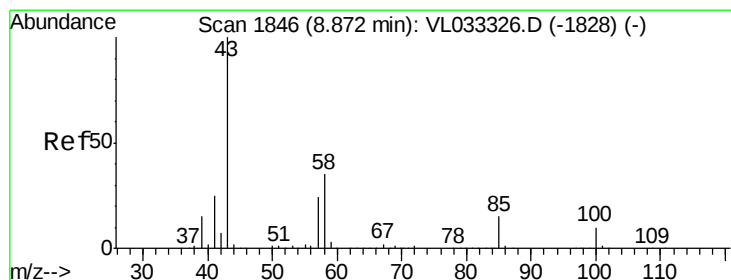
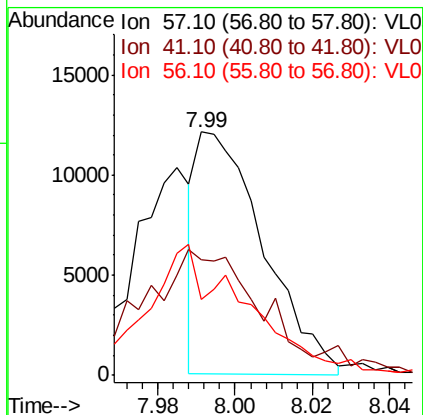
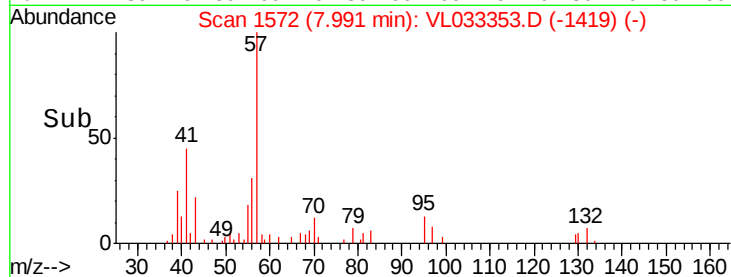
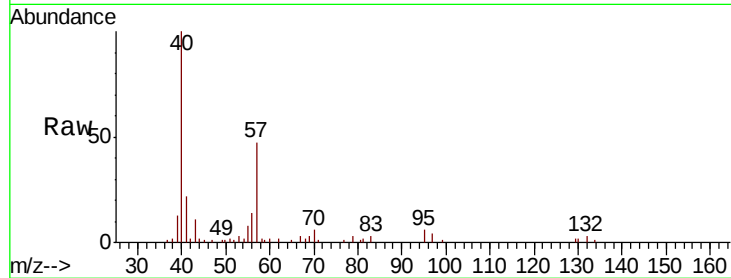
Delta R.T. -0.01 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 14424
Ion Ratio Lower Upper
57 100
41 103.3 26.0 39.0#
56 85.2 24.6 36.8#



#50

4-Methyl-2-Pentanone

Concen: 0.531 ppbv

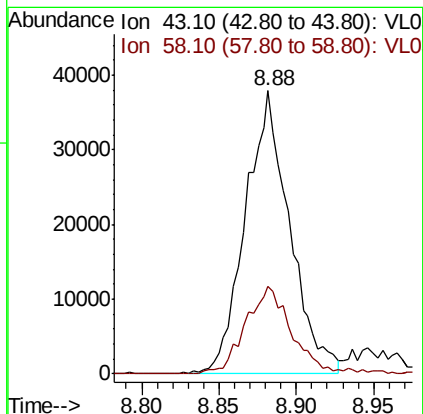
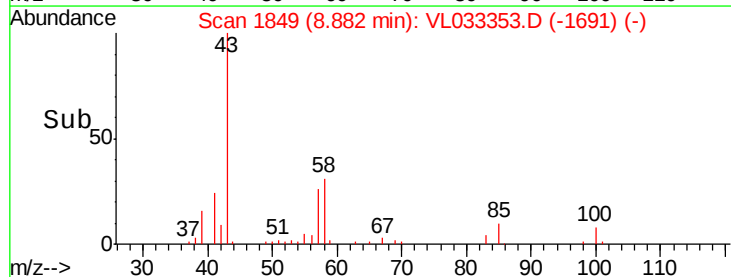
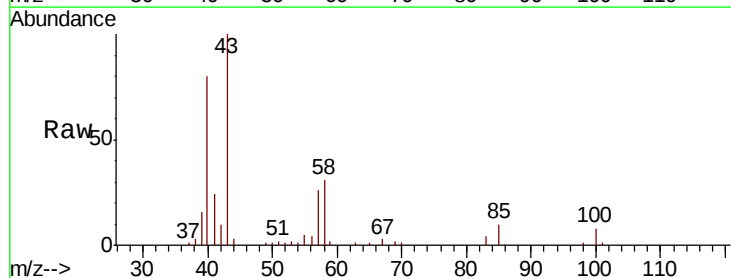
RT: 8.88 min Scan# 1849

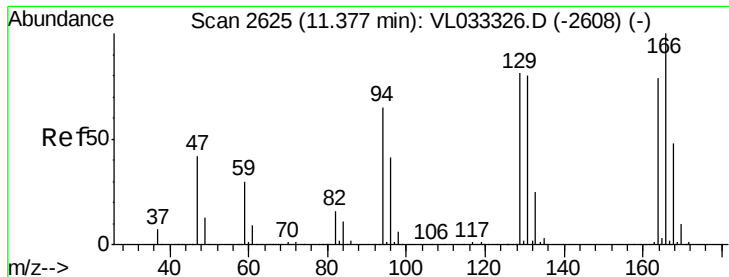
Delta R.T. 0.01 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Tgt Ion: 43 Resp: 75528
Ion Ratio Lower Upper
43 100
58 32.6 28.4 42.6





#52

Tetrachloroethene

Concen: 0.064 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 3689

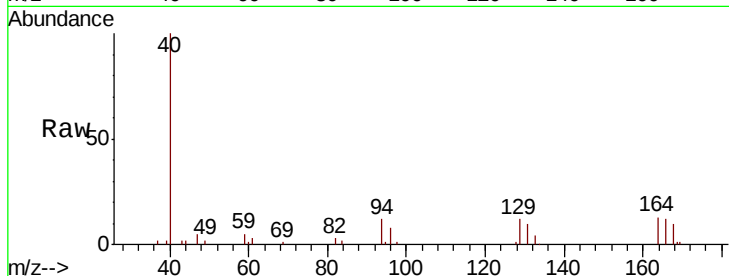
Ion Ratio Lower Upper

164 100

166 72.3 101.5 152.3#

129 68.6 82.2 123.2#

131 74.2 81.1 121.7#

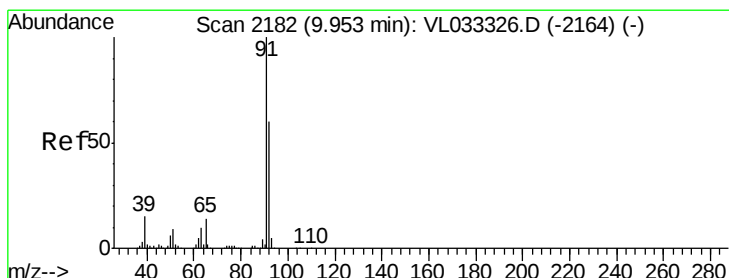
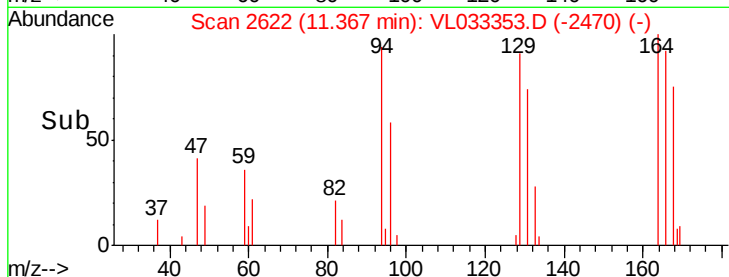
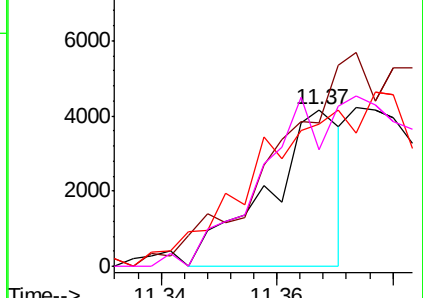


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 15.118 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033353.D

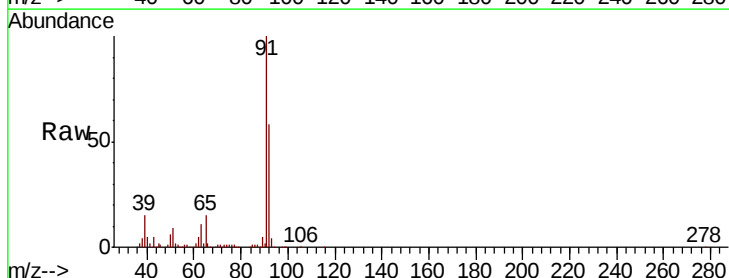
Acq: 16 Mar 2019 5:46

Tgt Ion: 91 Resp: 2359100

Ion Ratio Lower Upper

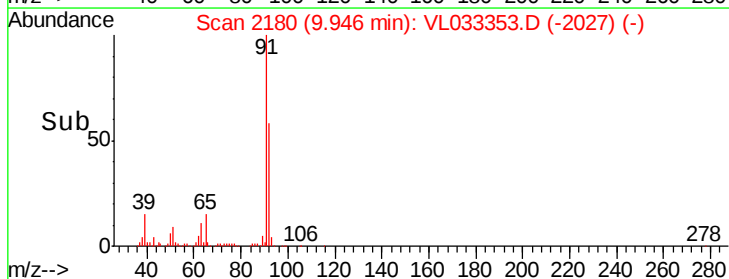
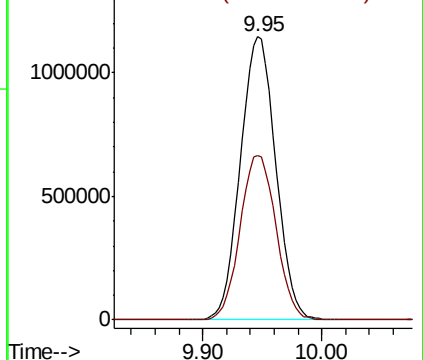
91 100

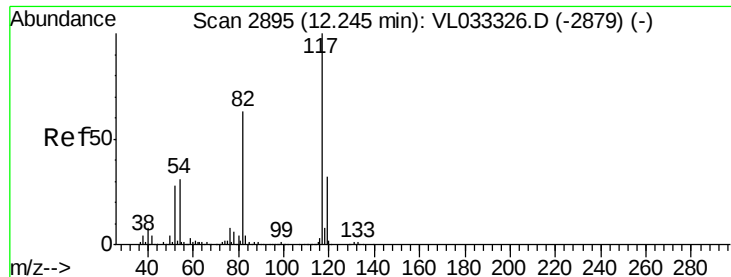
92 59.1 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

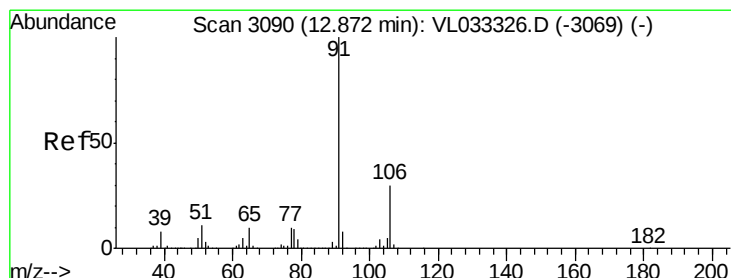
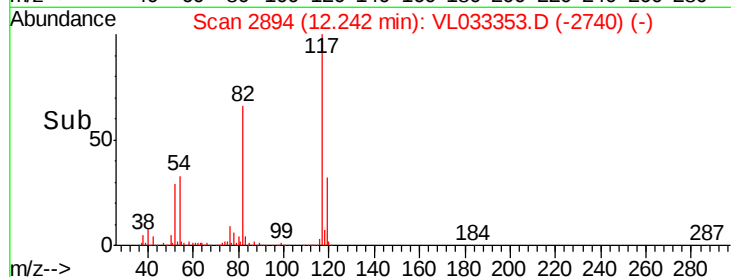
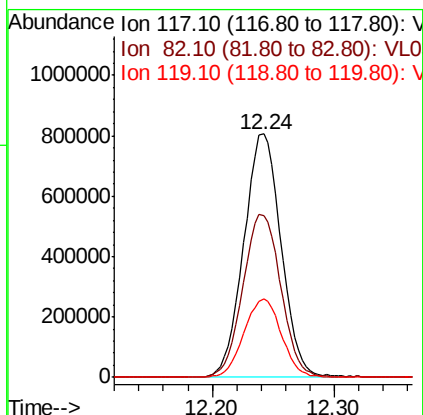
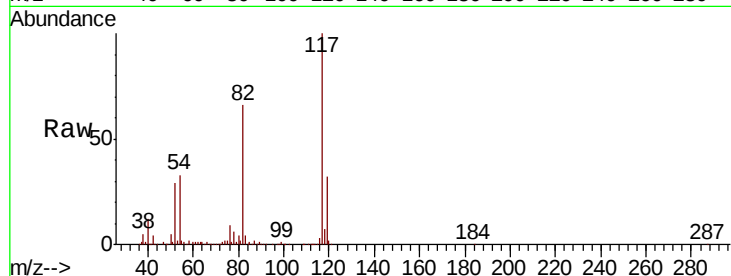




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033353.D
Acq: 16 Mar 2019 5:46

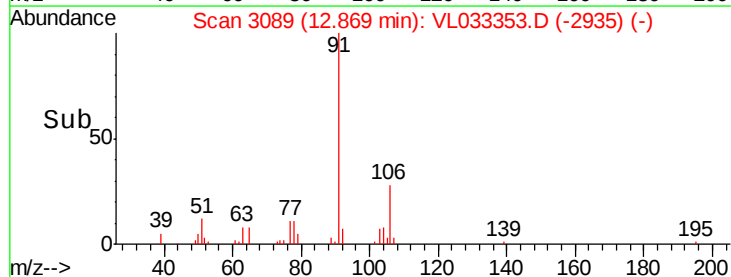
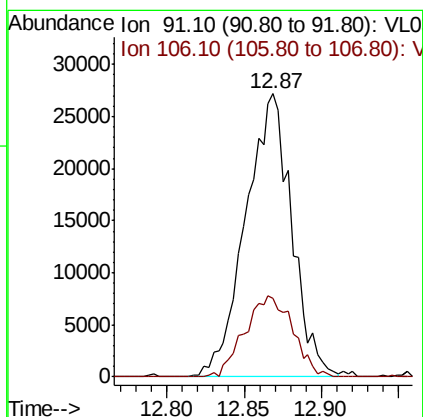
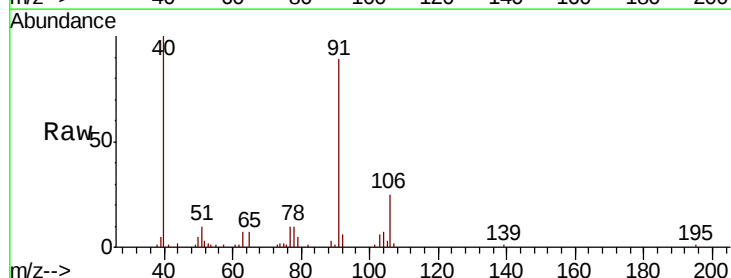
Instrument :
MSVOA_L
ClientSampleId :

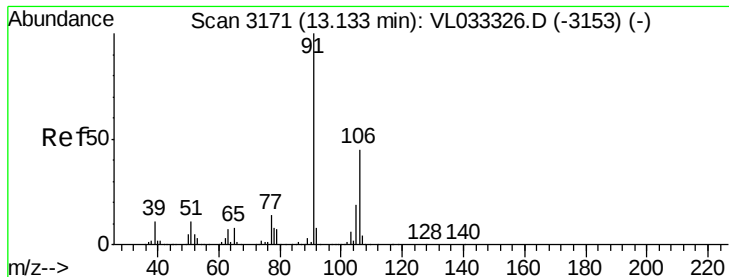
Tot Ion:117 Resp: 1698205
Ion Ratio Lower Upper
117 100
82 68.4 53.4 80.2
119 32.7 27.3 40.9



#58
Ethyl Benzene
Concen: 0.233 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033353.D
Acq: 16 Mar 2019 5:46

Tgt Ion: 91 Resp: 56014
Ion Ratio Lower Upper
91 100
106 27.8 24.2 36.2





#59

m/p-Xylene

Concen: 0.203 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.01 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :

MSVOA_L

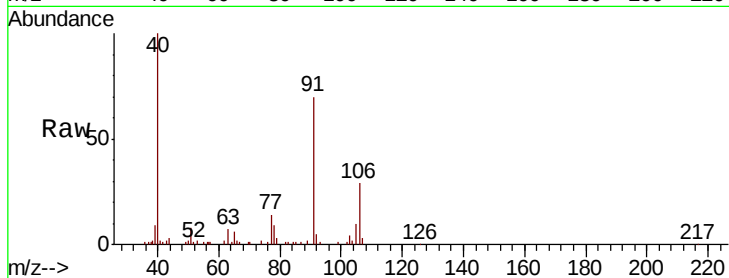
ClientSampleId :

Tot Ion: 91 Resp: 41829

Ion Ratio Lower Upper

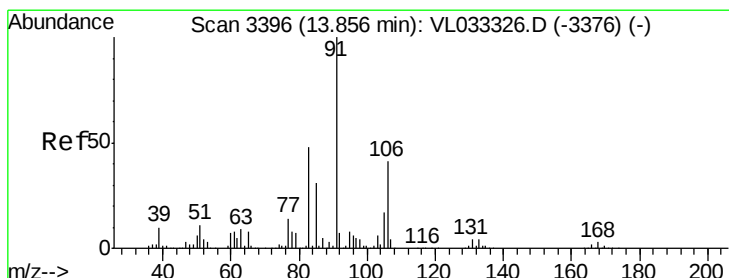
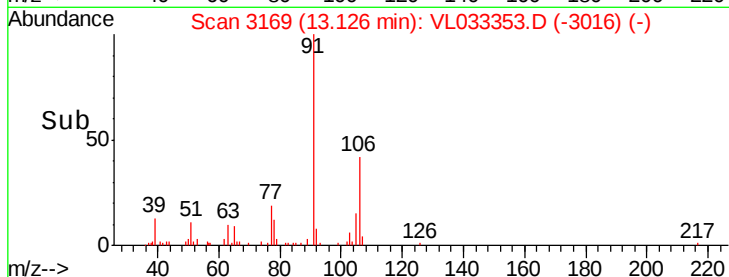
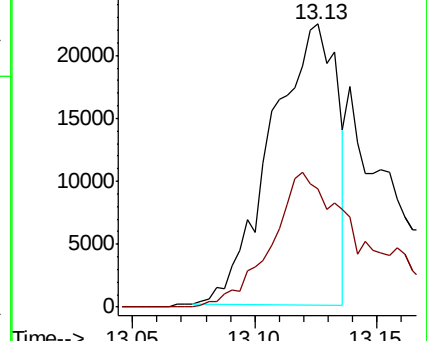
91 100

106 69.5 0.0 0.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.037 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL033353.D

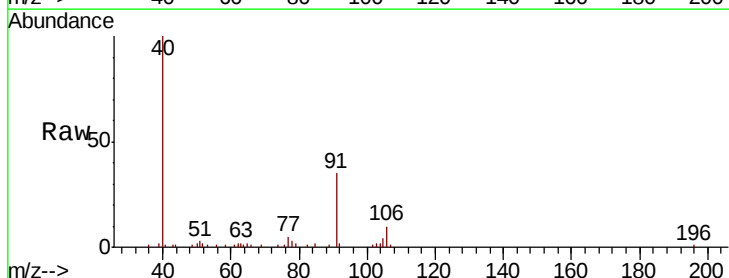
Acq: 16 Mar 2019 5:46

Tgt Ion: 91 Resp: 7472

Ion Ratio Lower Upper

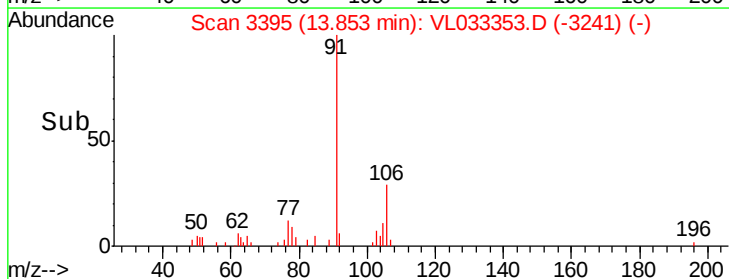
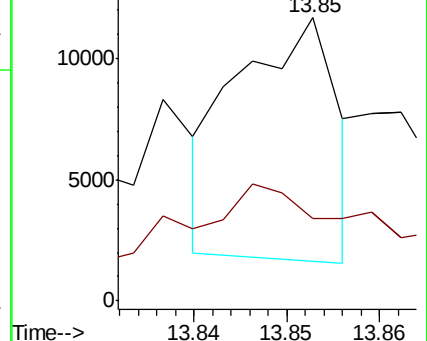
91 100

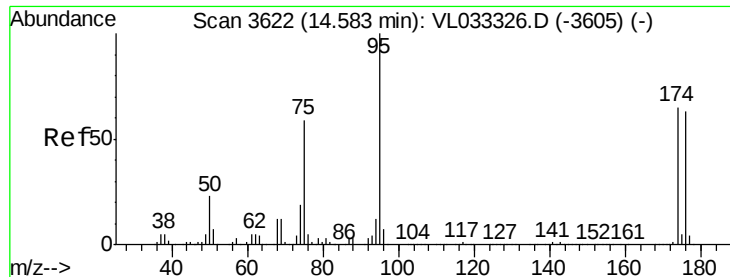
106 128.9 21.3 63.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

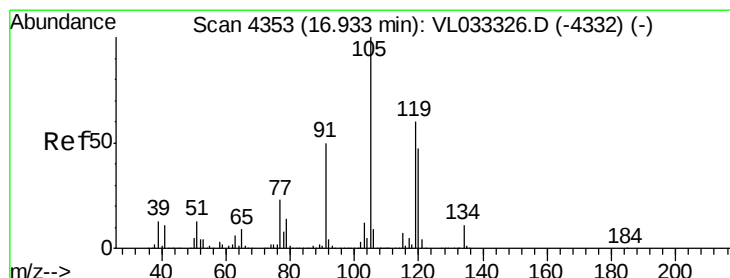
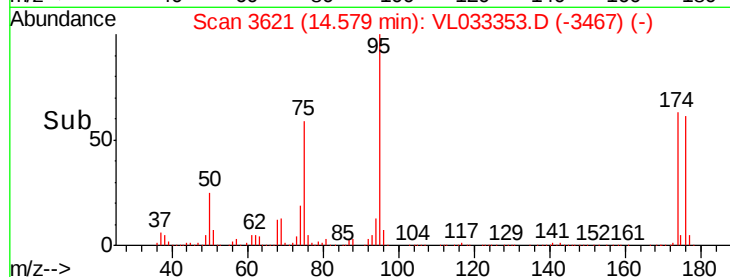
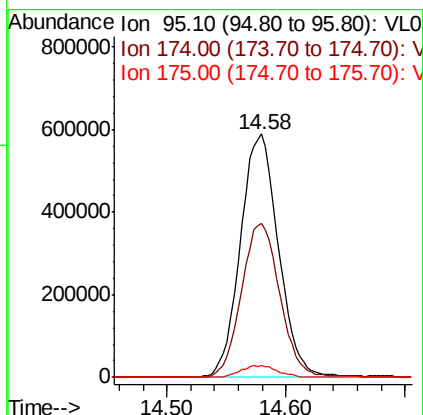
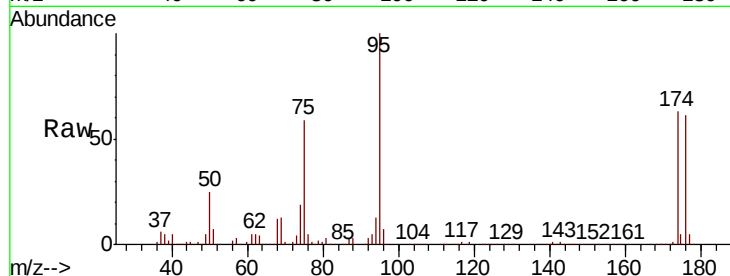




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.355 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

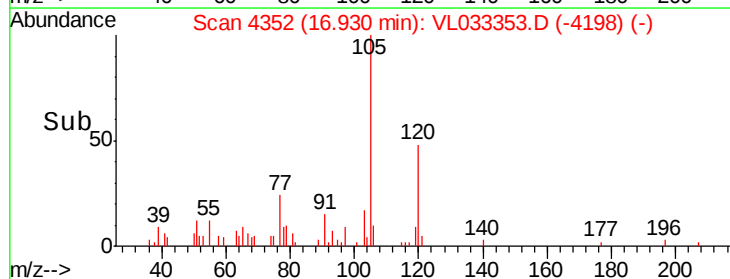
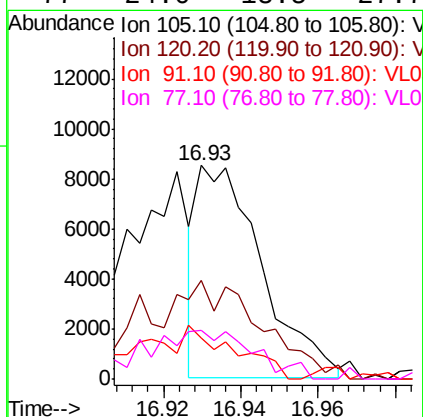
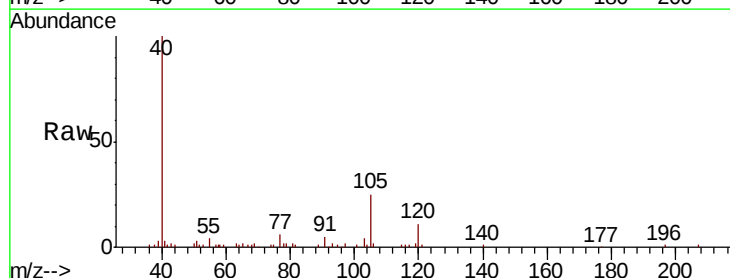
Instrument :
 MSVOA_L
 ClientSampleId :

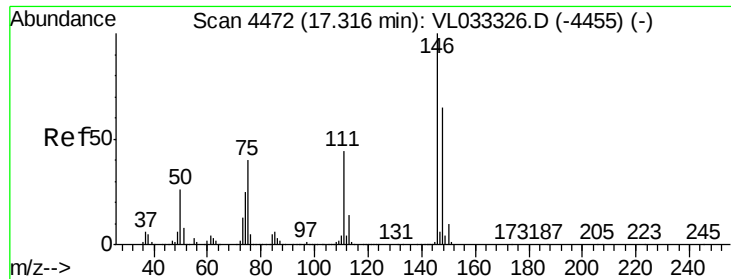
Tot Ion: 95 Resp: 1302992
 Ion Ratio Lower Upper
 95 100
 174 64.7 51.5 77.3
 175 4.8 3.8 5.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.041 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL033353.D
 Acq: 16 Mar 2019 5:46

Tgt Ion: 105 Resp: 9779
 Ion Ratio Lower Upper
 105 100
 120 41.8 37.4 56.2
 91 14.5 41.0 61.4#
 77 24.0 18.5 27.7





#76

1,4-Dichlorobenzene

Concen: 0.025 ppbv

RT: 17.30 min Scan# 4468

Delta R.T. -0.01 min

Lab File: VL033353.D

Acq: 16 Mar 2019 5:46

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 3395

Ion Ratio Lower Upper

146 100

111 82.2 21.9 65.7#

148 109.7 32.1 96.5#

