

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033511.D
 Acq On : 29 Mar 2019 20:54
 Operator : SY/AP
 Sample : K2042-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 01:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	840483	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1971872	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1991574	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1521230	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

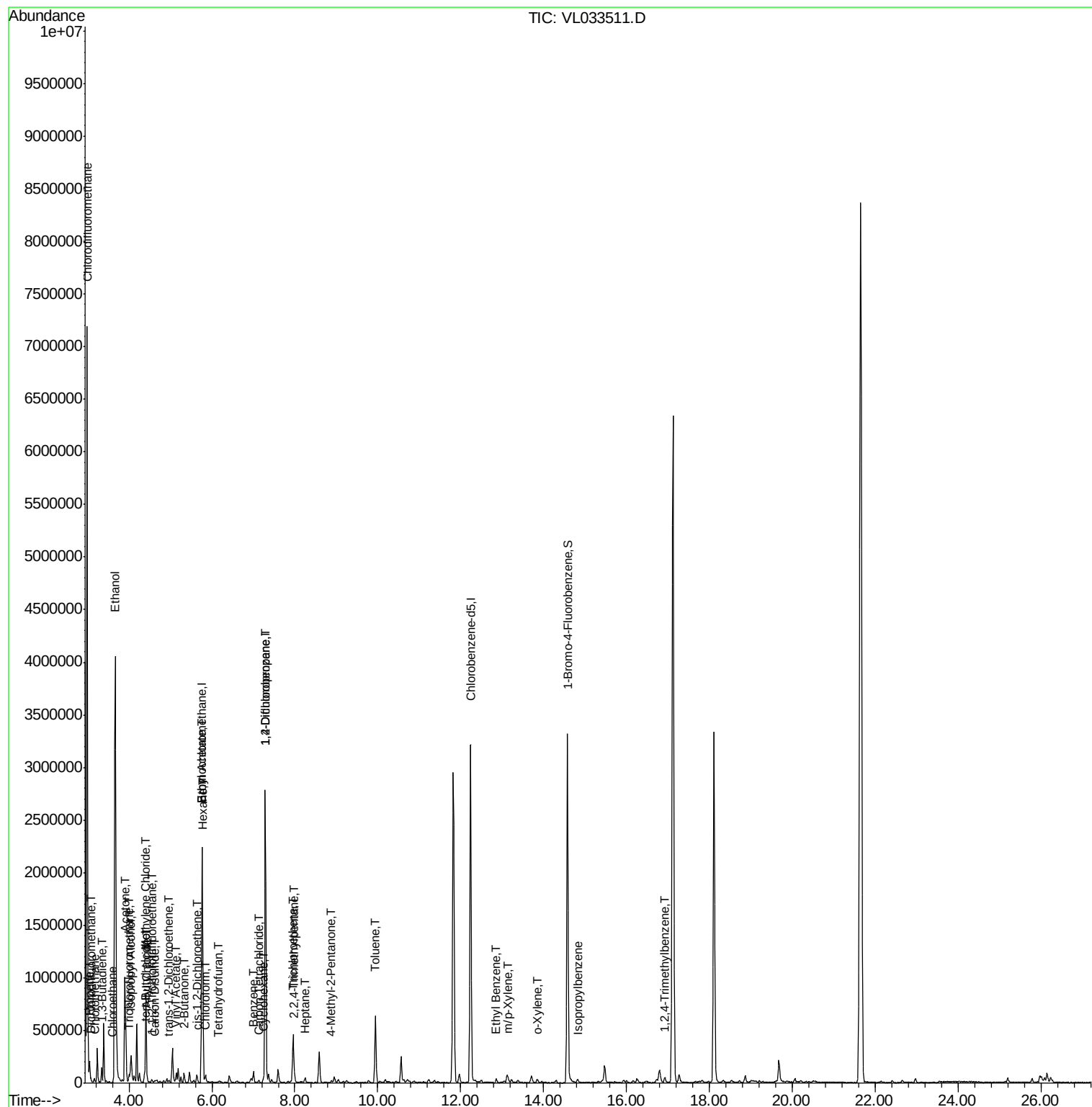
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	19523	0.16	ppbv	90
3) Chlorodifluoromethane	2.99	51	4208732	43.50	ppbv #	58
4) Chloromethane	3.17	50	24419	0.48	ppbv #	79
7) Chloroethane	3.60	64	2215	0.12	ppbv #	77
9) Propene	3.04	41	56275	1.38	ppbv	86
10) Heptane	8.25	43	6577	0.06	ppbv #	1
11) Trichlorofluoromethane	4.00	101	46133	0.31	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	6719	0.07	ppbv #	69
13) Ethanol	3.66	45	5427400	516.14	ppbv	66
15) Acetone	3.90	43	1107099	10.95	ppbv	97
16) 1,3-Butadiene	3.34	39	41868	1.04	ppbv #	19
17) tert-Butyl alcohol	4.38	59	42401	2.28	ppbv #	90
19) Isopropyl Alcohol	4.05	45	298678	4.67	ppbv #	94
20) Methylene Chloride	4.41	84	278442	6.49	ppbv	98
21) Allyl Chloride	4.43	41	2349	0.04	ppbv #	1
22) trans-1,2-Dichloroethene	4.96	96	1575	0.03	ppbv #	74
23) Vinyl Acetate	5.14	43	52066	0.36	ppbv #	69
25) Ethyl Acetate	5.77	43	278521	1.49	ppbv #	84
26) Hexane	5.78	57	358423	4.30	ppbv #	42
27) Carbon Disulfide	4.62	76	14500	0.15	ppbv #	93
29) Chloroform	5.84	83	42787	0.30	ppbv	96
30) Cyclohexane	7.24	84	5180	0.08	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	41262	0.50	ppbv	96
34) 2-Butanone	5.33	43	95130	0.80	ppbv	100
35) Carbon Tetrachloride	7.14	117	6712	0.05	ppbv	99
36) Benzene	7.00	78	76032	0.46	ppbv	98
38) Trichloroethene	7.96	130	130025	2.09	ppbv	96
39) 1,2-Dichloropropane	7.29	63	525653	8.11	ppbv #	23
41) Tetrahydrofuran	6.16	42	2234	0.03	ppbv #	34
44) 2,2,4-Trimethylpentane	7.99	57	29473	0.10	ppbv #	3
50) 4-Methyl-2-Pentanone	8.87	43	7389	0.04	ppbv #	40
53) Toluene	9.95	91	464003	2.41	ppbv	99
58) Ethyl Benzene	12.86	91	18613	0.07	ppbv	94
59) m/p-Xylene	13.15	91	14196	0.06	ppbv #	100
60) o-Xylene	13.85	91	12070	0.05	ppbv #	31
62) Isopropylbenzene	14.82	105	16709	0.05	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.92	105	9316	0.04	ppbv #	36

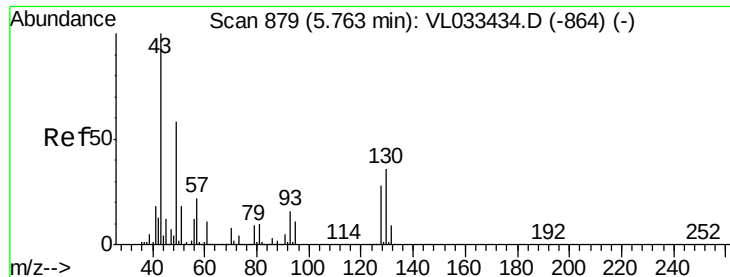
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

ClientSampleId :

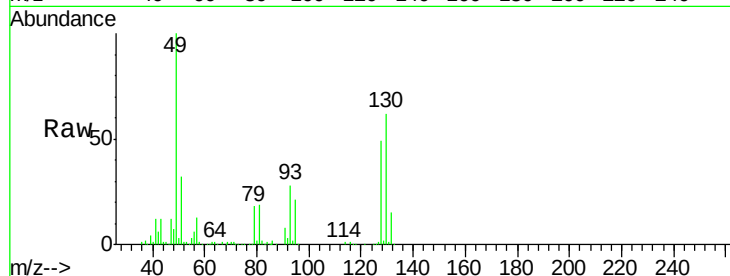
Tot Ion: 49 Resp: 840483

Ion Ratio Lower Upper

49 100

128 48.0 24.0 72.0

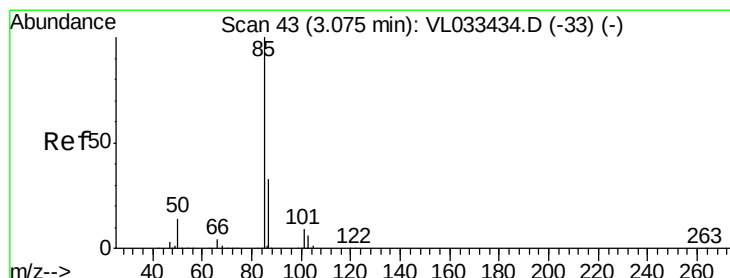
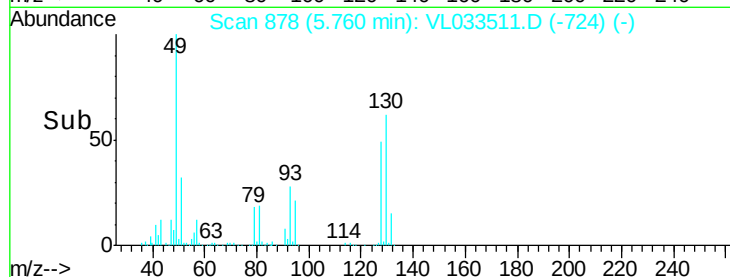
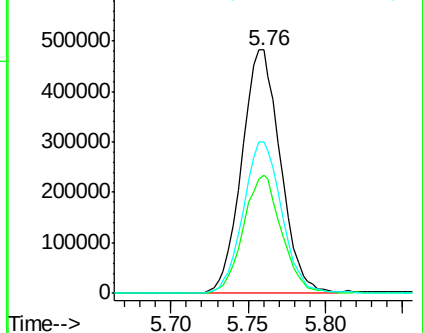
130 62.7 31.2 93.6



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: 0.16 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033511.D

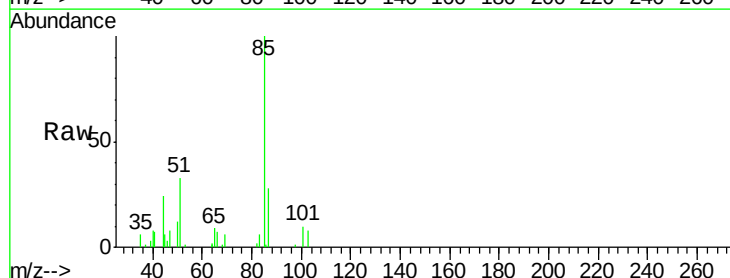
Acq: 29 Mar 2019 20:54

Tgt Ion: 85 Resp: 19523

Ion Ratio Lower Upper

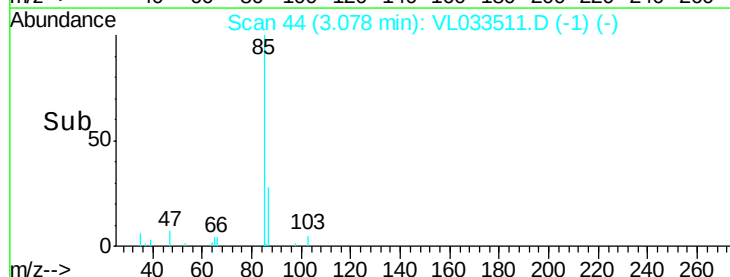
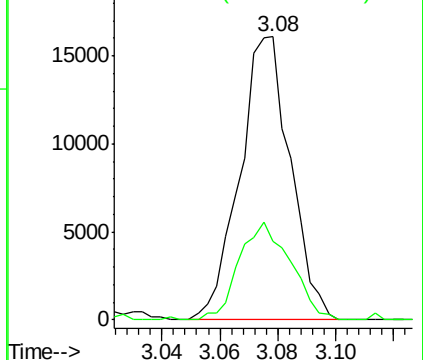
85 100

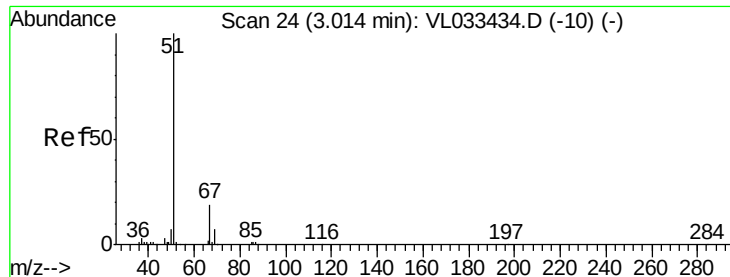
87 27.8 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 43.50 ppbv

RT: 2.99 min Scan# 16

Delta R.T. -0.03 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

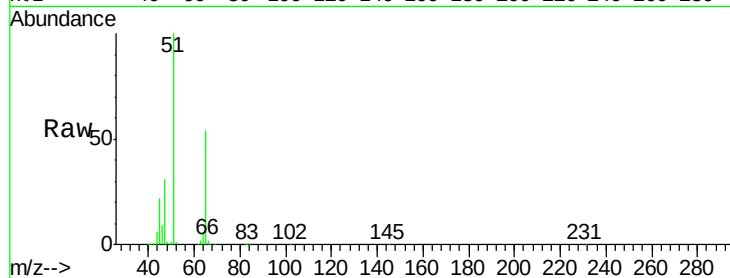
ClientSampleId :

Tot Ion: 51 Resp: 4208732

Ion Ratio Lower Upper

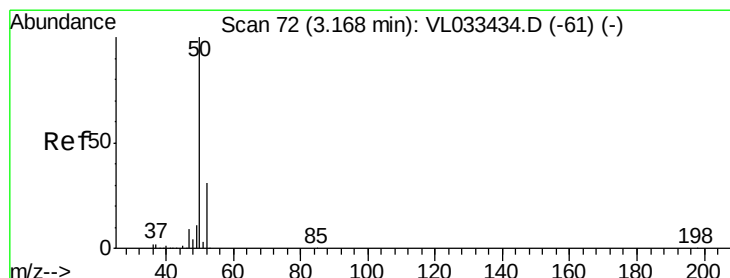
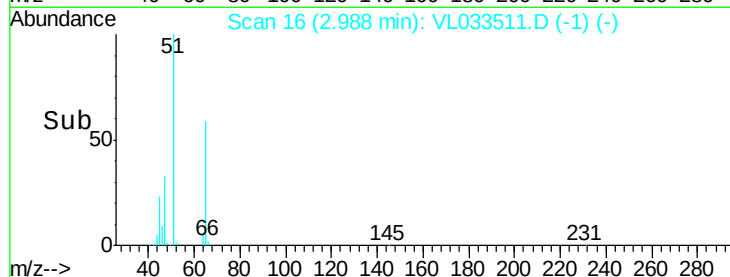
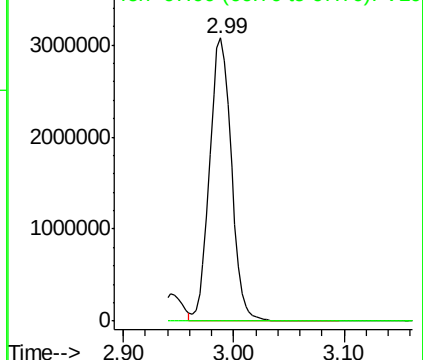
51 100

67 0.3 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.48 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033511.D

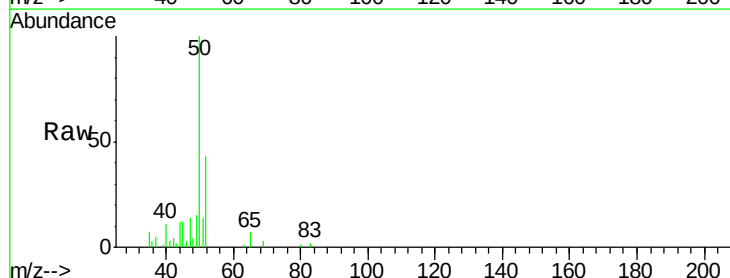
Acq: 29 Mar 2019 20:54

Tgt Ion: 50 Resp: 24419

Ion Ratio Lower Upper

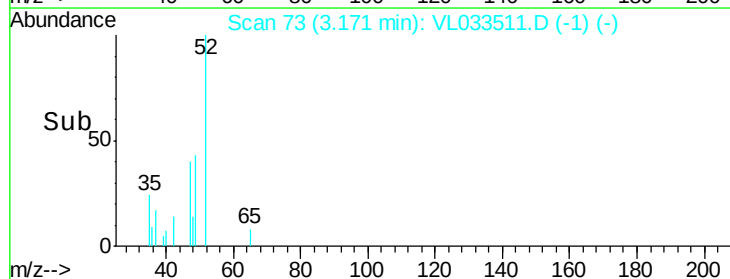
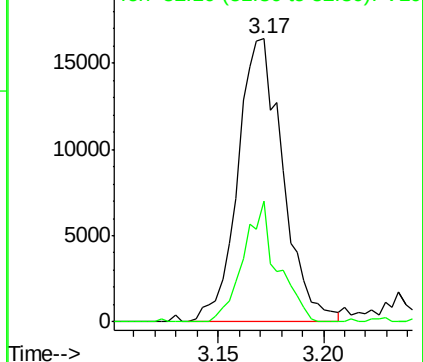
50 100

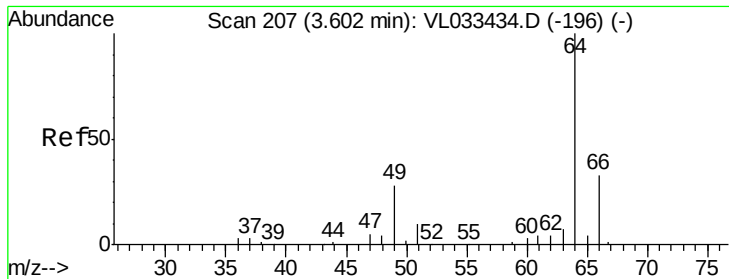
52 42.7 25.0 37.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.12 ppbv

RT: 3.60 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

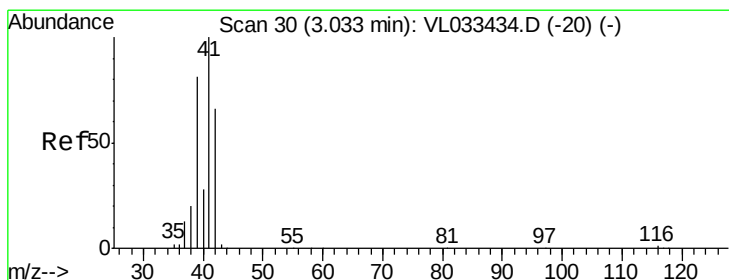
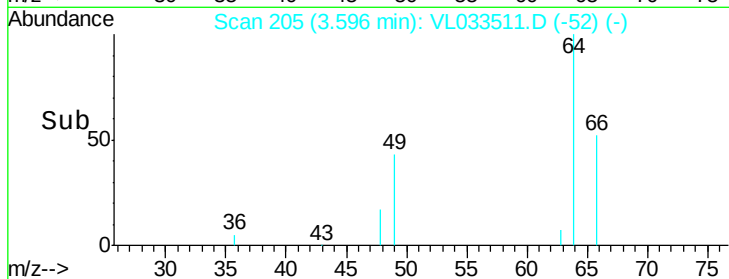
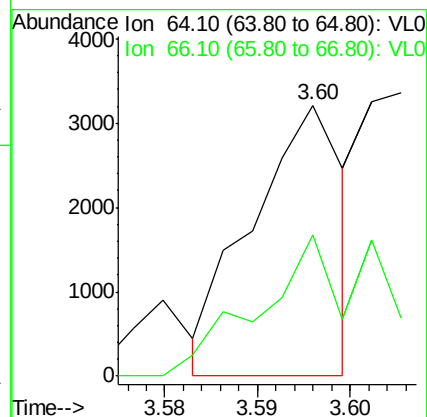
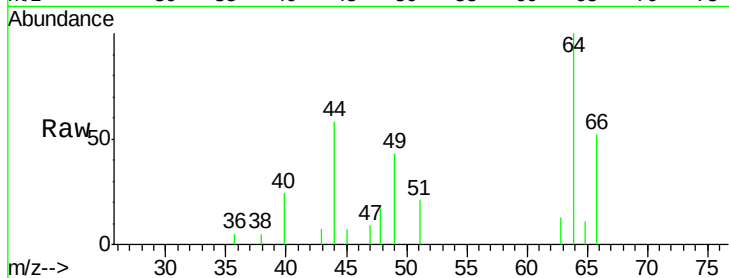
ClientSampled :

Tot Ion: 64 Resp: 2215

Ion Ratio Lower Upper

64 100

66 46.7 26.7 40.1#



#9

Propene

Concen: 1.38 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033511.D

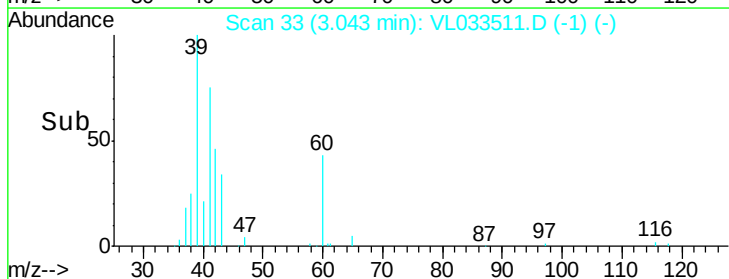
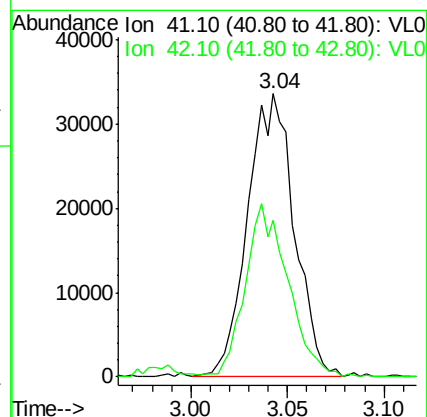
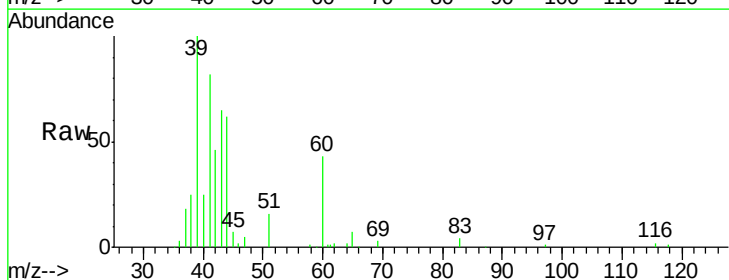
Acq: 29 Mar 2019 20:54

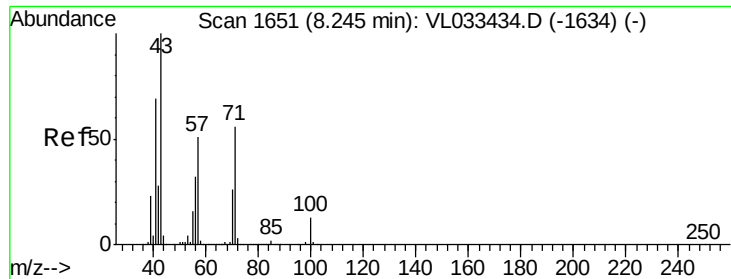
Tgt Ion: 41 Resp: 56275

Ion Ratio Lower Upper

41 100

42 56.3 53.9 80.9





#10

Heptane

Concen: 0.06 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

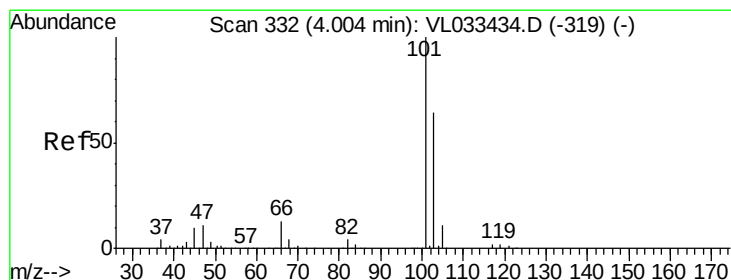
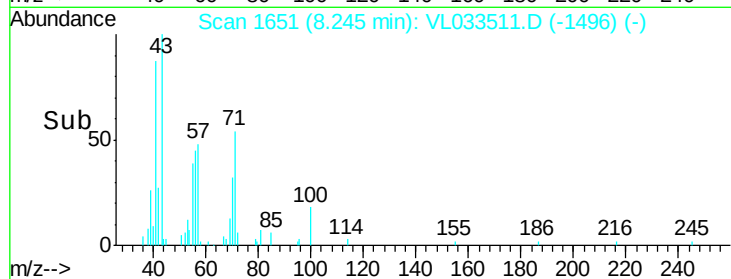
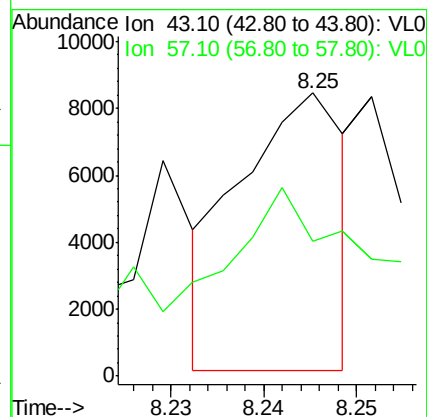
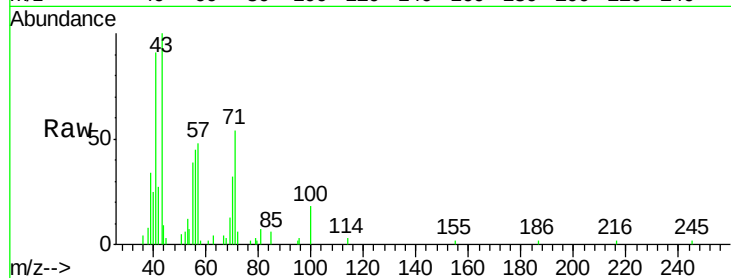
ClientSampleId :

Tot Ion: 43 Resp: 6577

Ion Ratio Lower Upper

43 100

57 146.7 40.6 60.8#



#11

Trichlorofluoromethane

Concen: 0.31 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033511.D

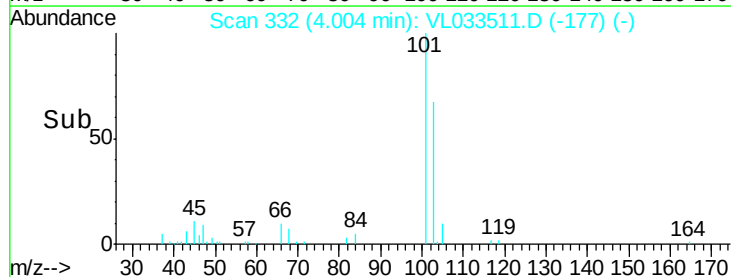
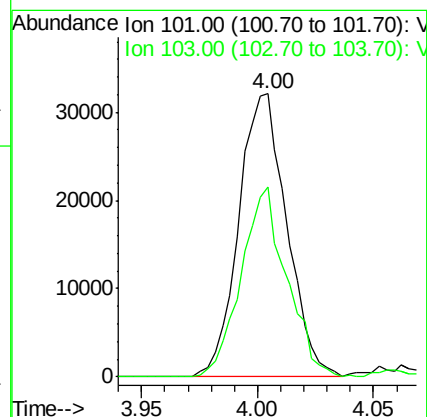
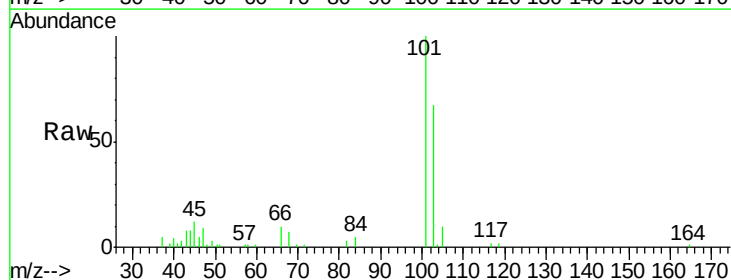
Acq: 29 Mar 2019 20:54

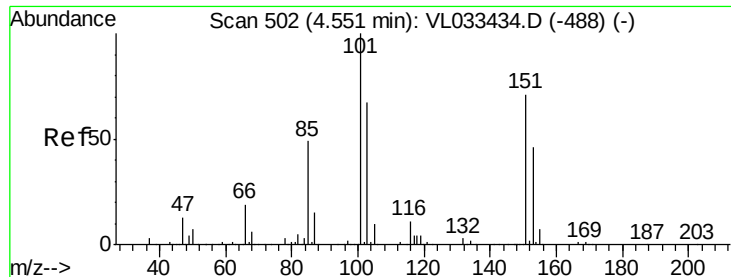
Tgt Ion: 101 Resp: 46133

Ion Ratio Lower Upper

101 100

103 68.2 51.3 76.9





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.07 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

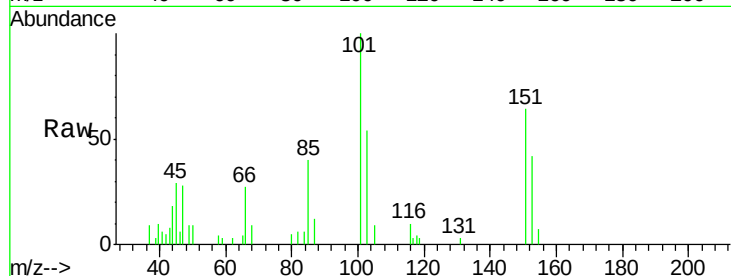
ClientSampleId :

Tot Ion:101 Resp: 6719

Ion Ratio Lower Upper

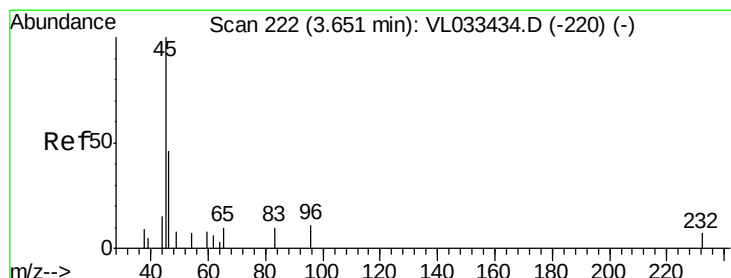
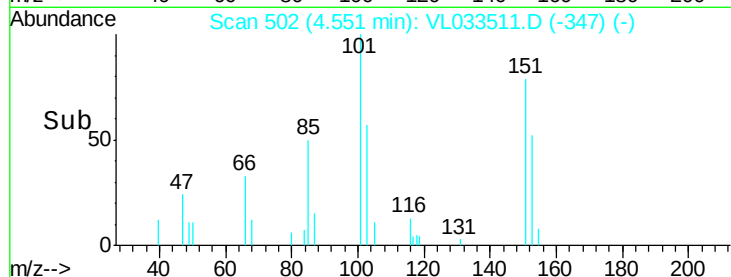
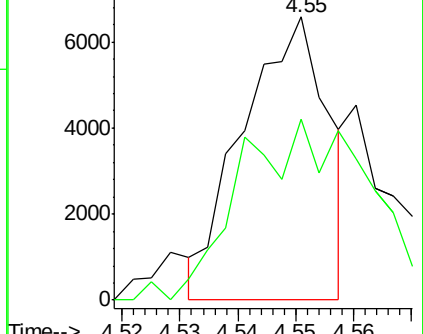
101 100

151 97.8 57.7 86.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 516.14 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL033511.D

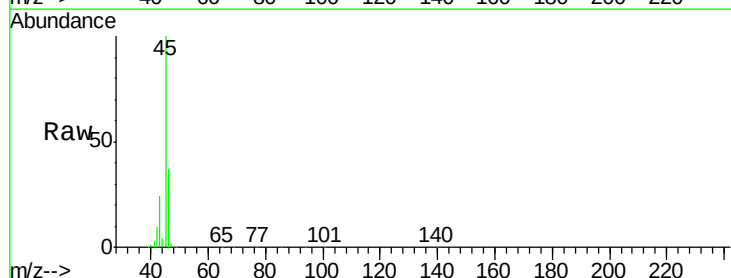
Acq: 29 Mar 2019 20:54

Tgt Ion: 45 Resp: 5427400

Ion Ratio Lower Upper

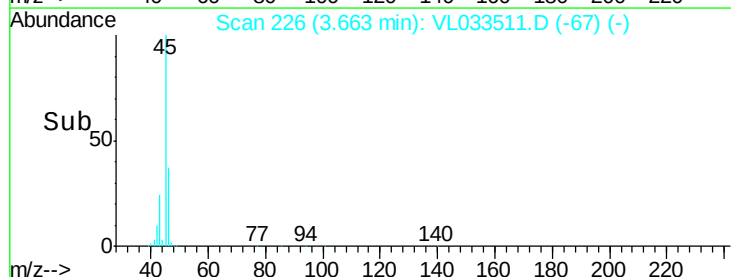
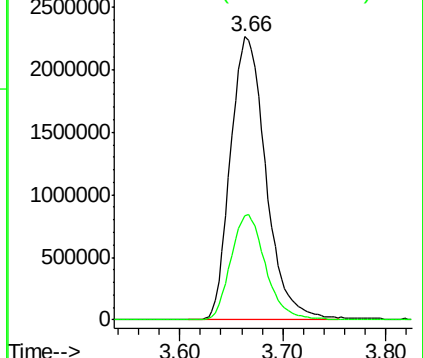
45 100

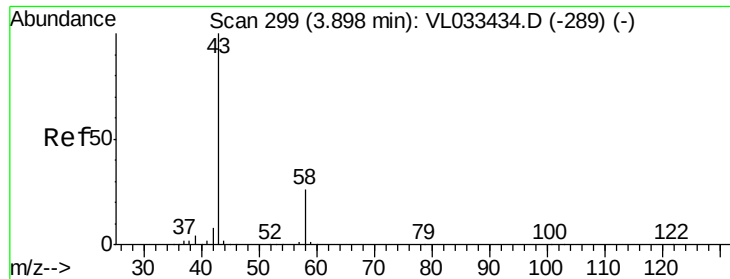
46 37.0 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 10.95 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

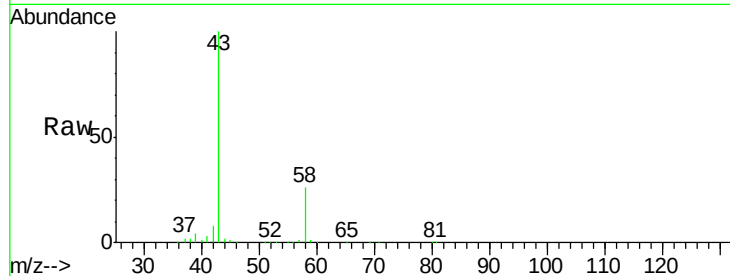
ClientSampleId :

Tot Ion: 43 Resp: 1107099

Ion Ratio Lower Upper

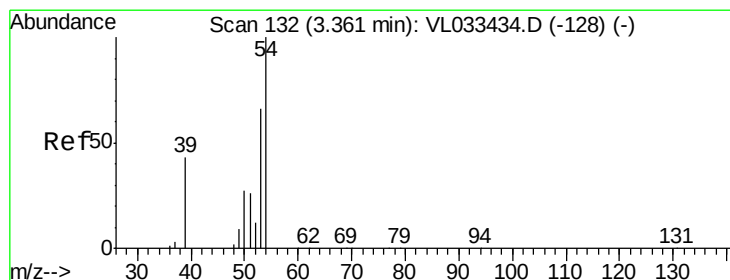
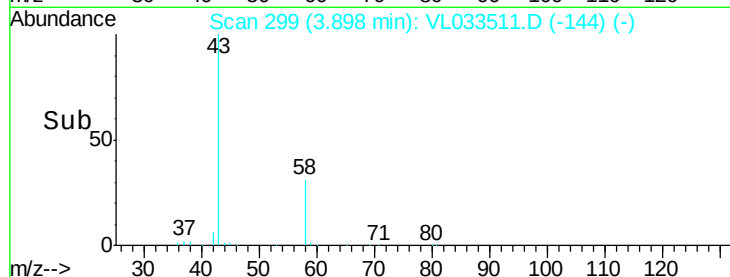
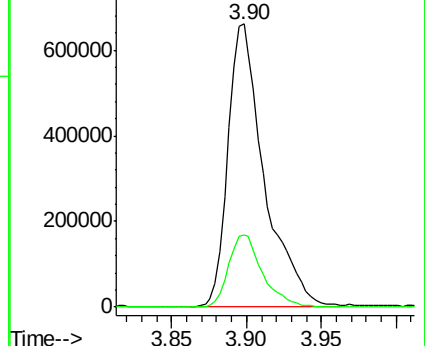
43 100

58 24.2 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.04 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033511.D

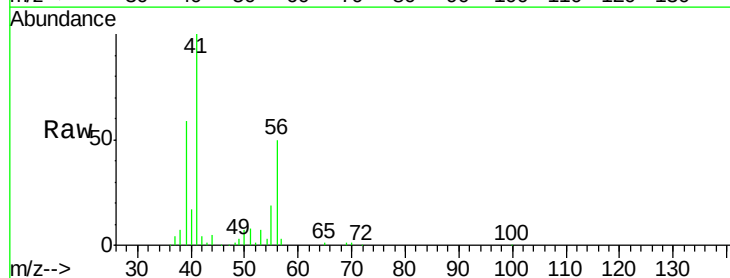
Acq: 29 Mar 2019 20:54

Tgt Ion: 39 Resp: 41868

Ion Ratio Lower Upper

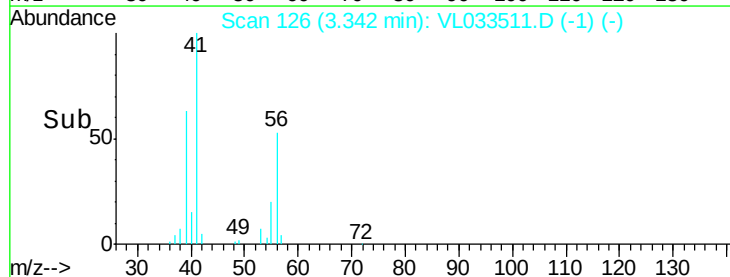
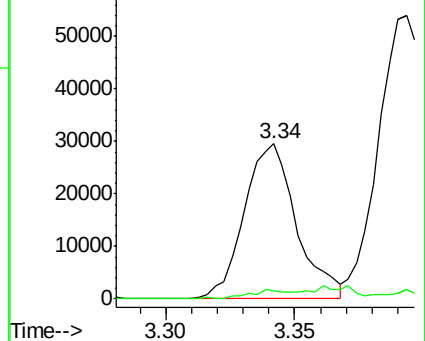
39 100

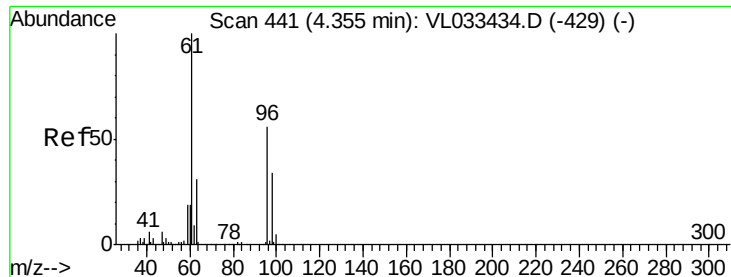
54 11.9 69.4 104.2#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



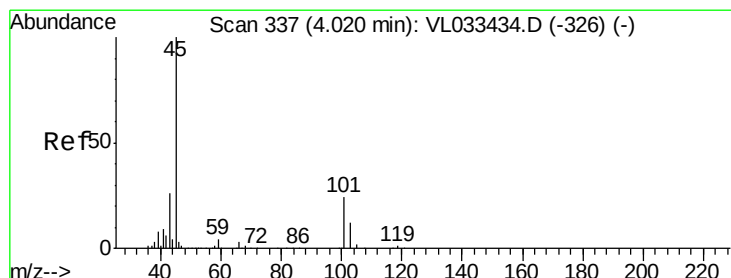
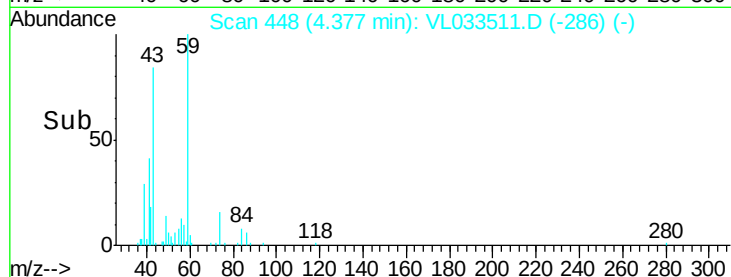
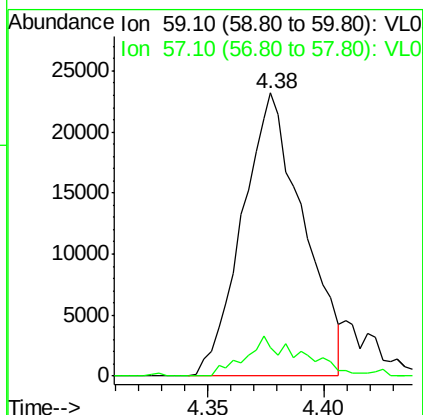
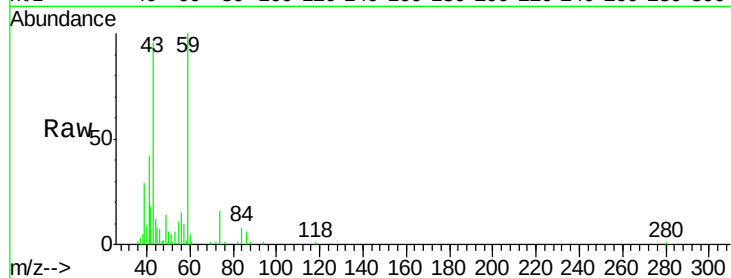


#17

tert-Butyl alcohol
 Concen: 2.28 ppbv
 RT: 4.38 min Scan# 448
 Delta R.T. 0.02 min
 Lab File: VL033511.D
 Acq: 29 Mar 2019 20:54

Instrument :
 MSVOA_L
 ClientSampleId :

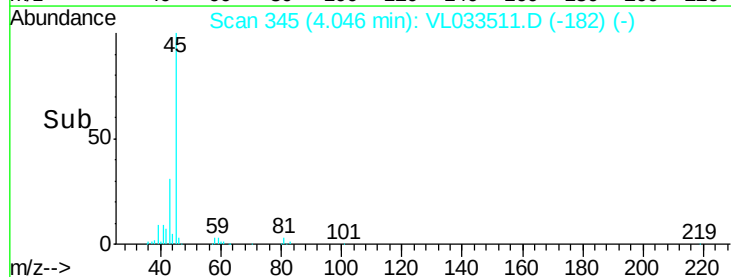
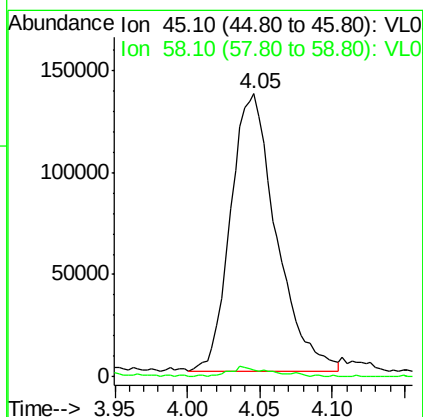
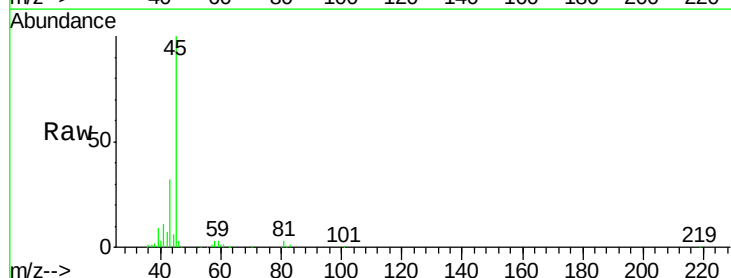
Tot Ion: 59 Resp: 42401
 Ion Ratio Lower Upper
 59 100
 57 13.7 7.8 11.8#

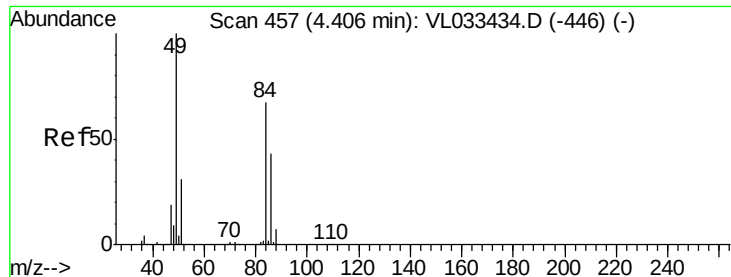


#19

Isopropyl Alcohol
 Concen: 4.67 ppbv
 RT: 4.05 min Scan# 345
 Delta R.T. 0.03 min
 Lab File: VL033511.D
 Acq: 29 Mar 2019 20:54

Tgt Ion: 45 Resp: 298678
 Ion Ratio Lower Upper
 45 100
 58 3.9 1.4 2.2#

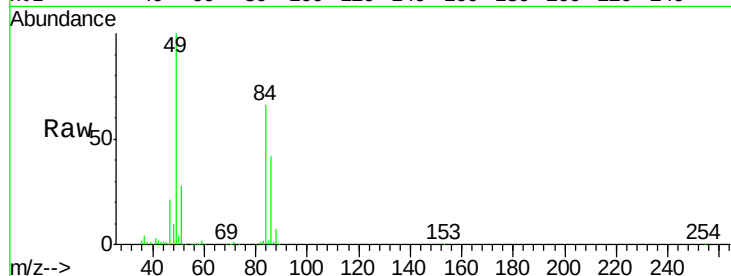




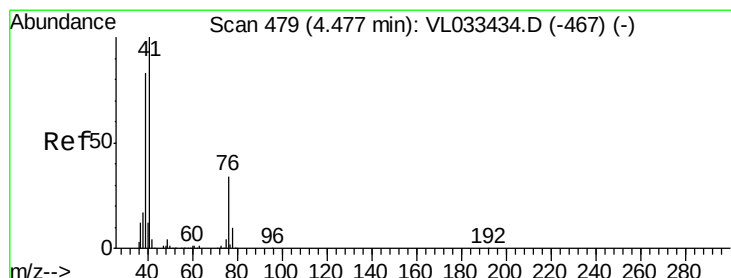
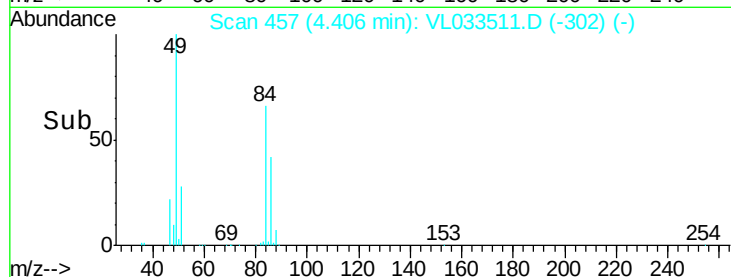
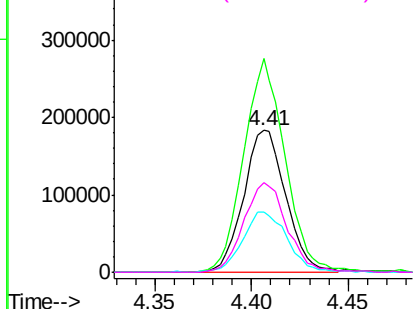
#20
Methvlene Chloride
Concen: 6.49 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 278442
Ion Ratio Lower Upper
84 100
49 150.5 120.0 180.0
51 42.2 36.7 55.1
86 63.4 51.9 77.9

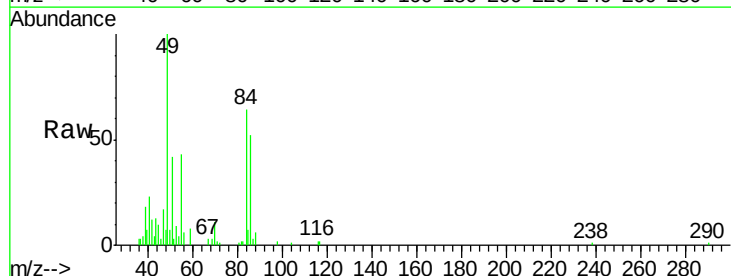


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

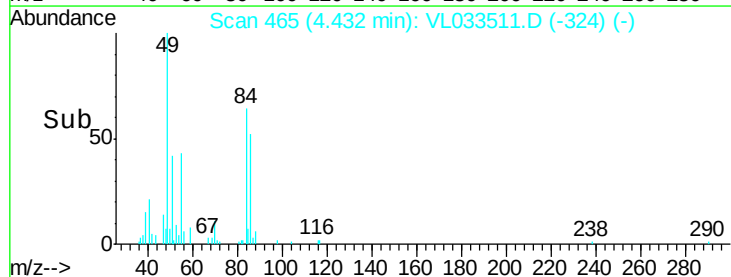
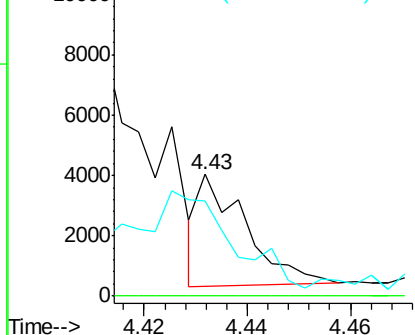


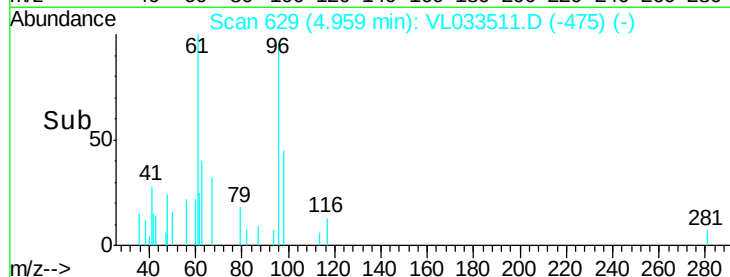
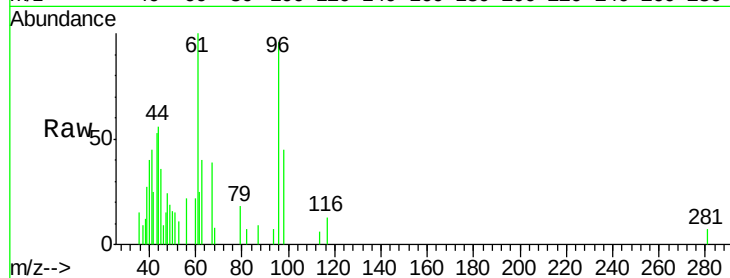
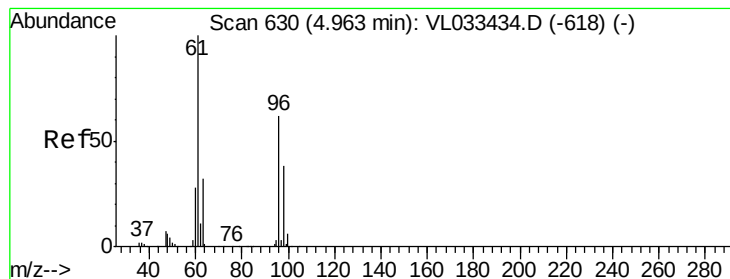
#21
Allyl Chloride
Concen: 0.04 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.05 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

Tgt Ion: 41 Resp: 2349
Ion Ratio Lower Upper
41 100
76 0.0 25.4 38.2#
39 255.9 65.3 97.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.03 ppbv

RT: 4.96 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

ClientSampleId :

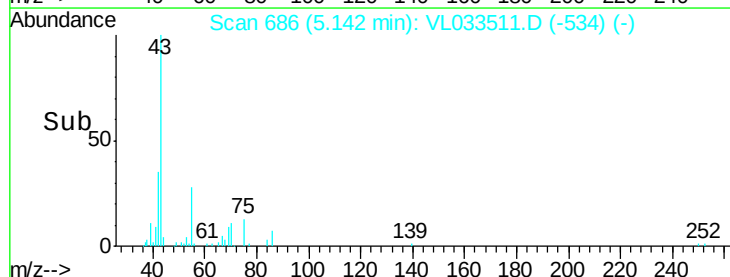
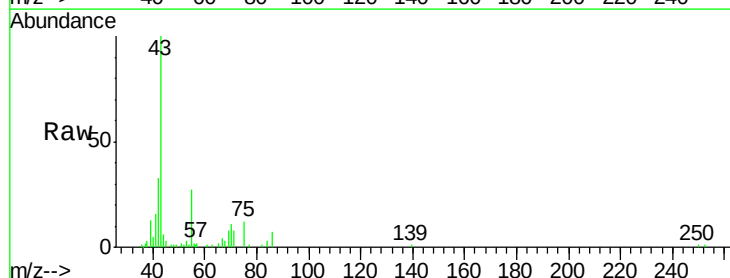
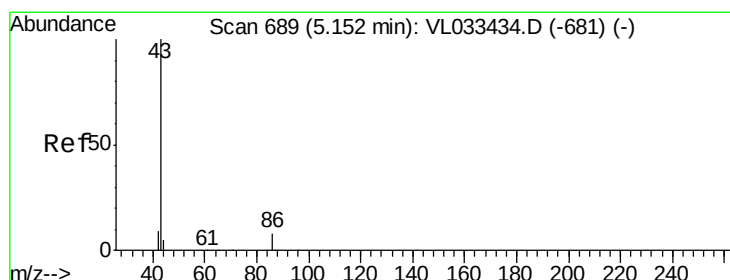
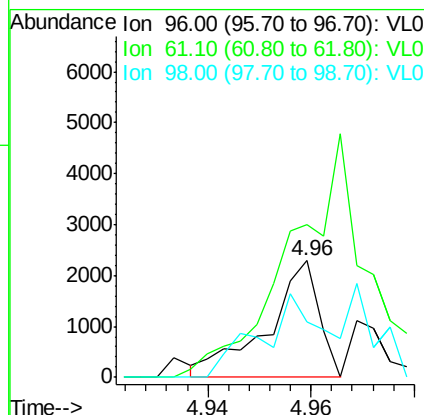
Tot Ion: 96 Resp: 1575

Ion Ratio Lower Upper

96 100

61 123.9 128.9 193.3#

98 47.3 49.5 74.3#



#23

Vinyl Acetate

Concen: 0.36 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Tgt Ion: 43 Resp: 52066

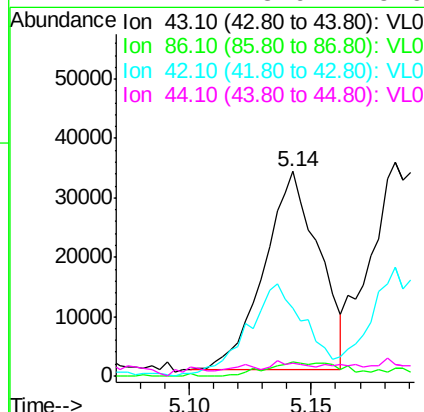
Ion Ratio Lower Upper

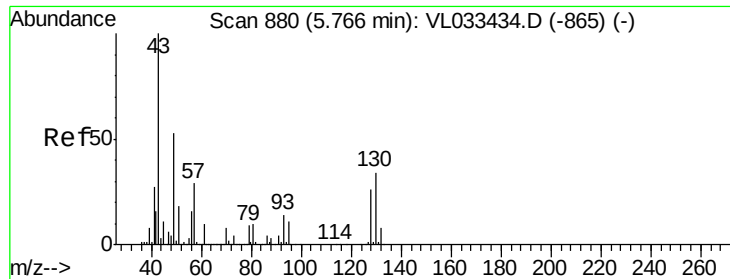
43 100

86 5.7 5.6 8.4

42 33.0 8.0 12.0#

44 2.4 3.9 5.9#

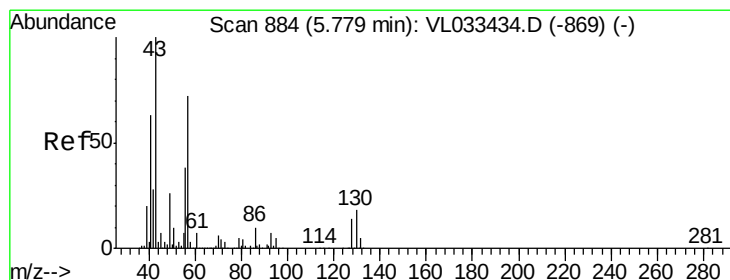
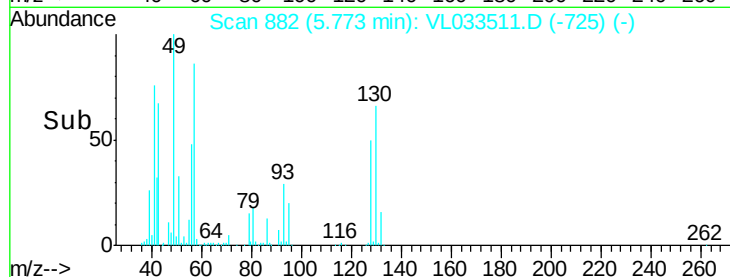
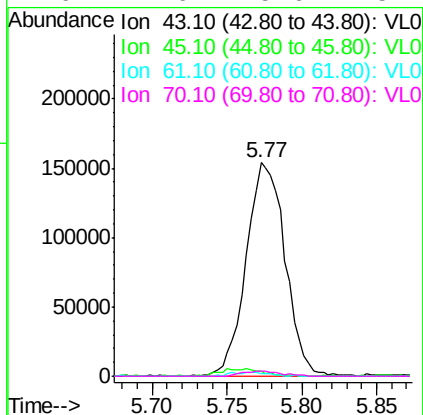
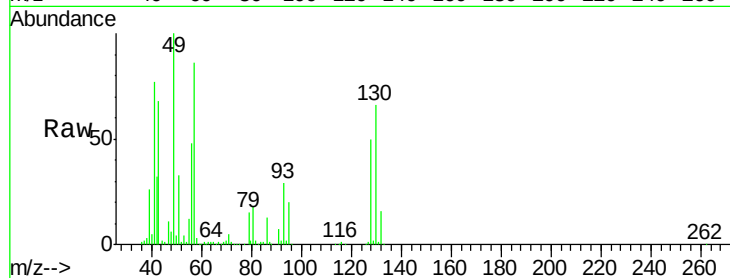




#25
Ethyl Acetate
Concen: 1.49 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

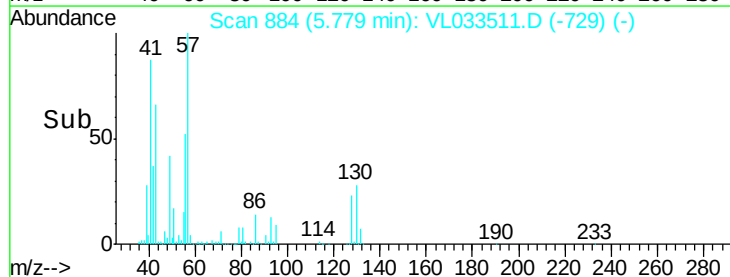
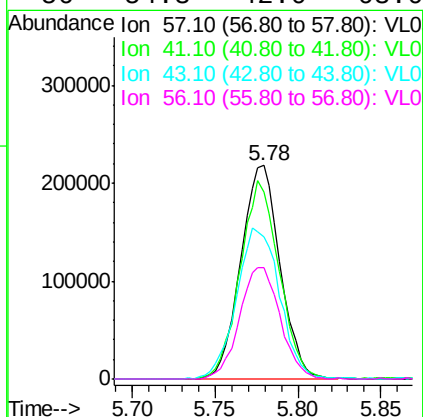
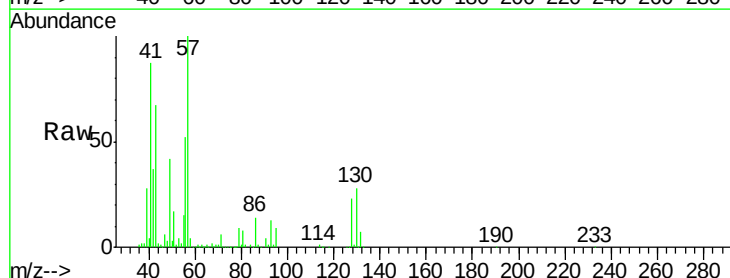
Instrument :
MSVOA_L
ClientSampleId :

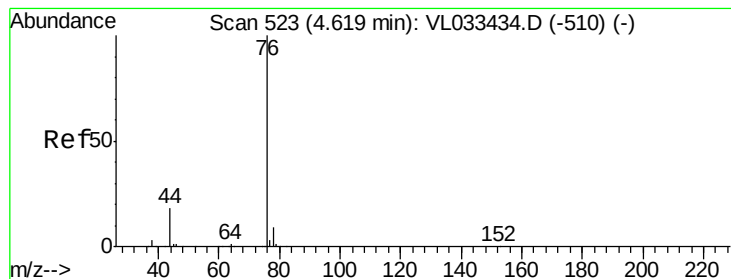
Tot Ion: 43 Resp: 278521
Ion Ratio Lower Upper
43 100
45 4.1 7.8 11.6#
61 2.0 7.3 10.9#
70 2.6 5.6 8.4#



#26
Hexane
Concen: 4.30 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

Tgt Ion: 57 Resp: 358423
Ion Ratio Lower Upper
57 100
41 92.7 70.7 106.1
43 78.1 182.6 274.0#
56 54.3 42.0 63.0





#27

Carbon Disulfide

Concen: 0.15 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

ClientSampleId :

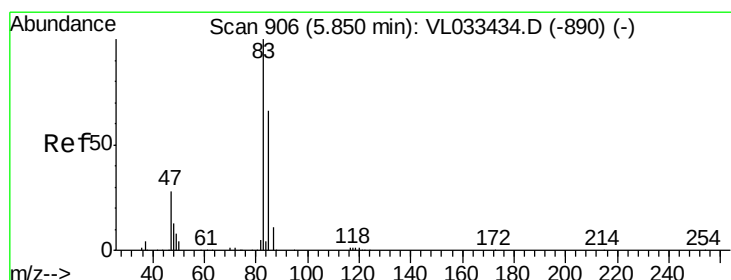
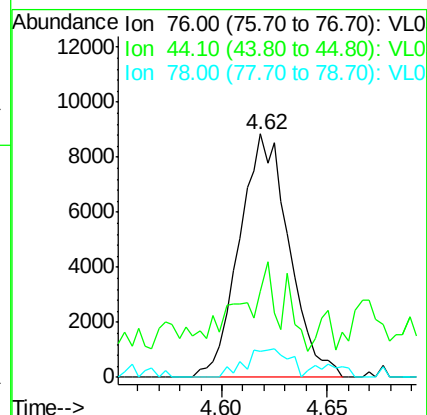
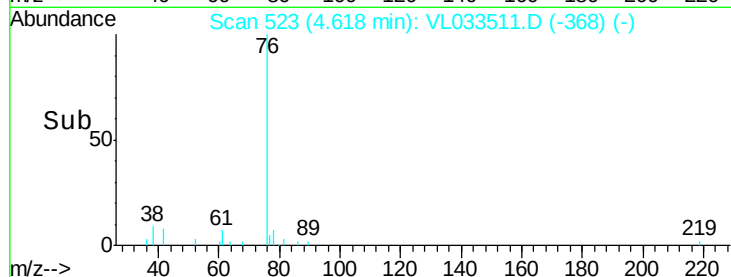
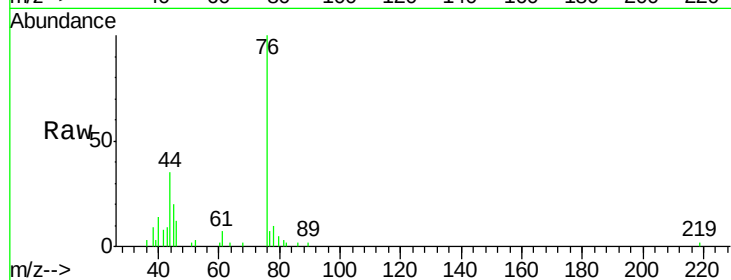
Tot Ion: 76 Resp: 14500

Ion Ratio Lower Upper

76 100

44 21.7 14.8 22.2

78 11.5 7.6 11.4#



#29

Chloroform

Concen: 0.30 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033511.D

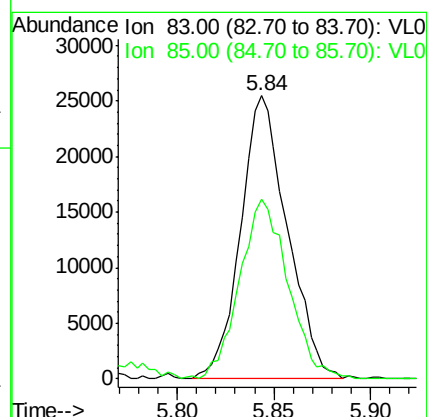
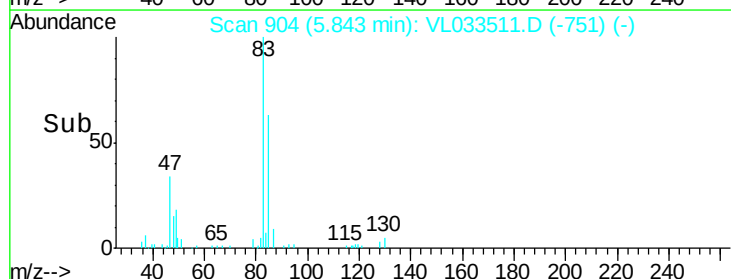
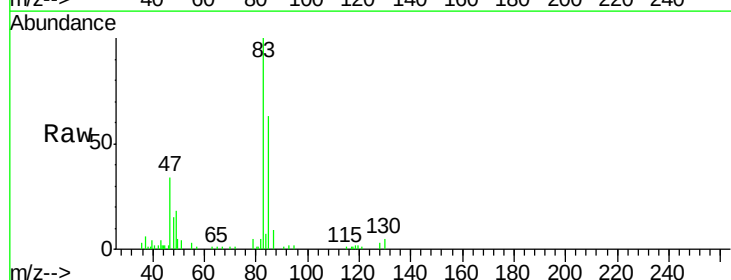
Acq: 29 Mar 2019 20:54

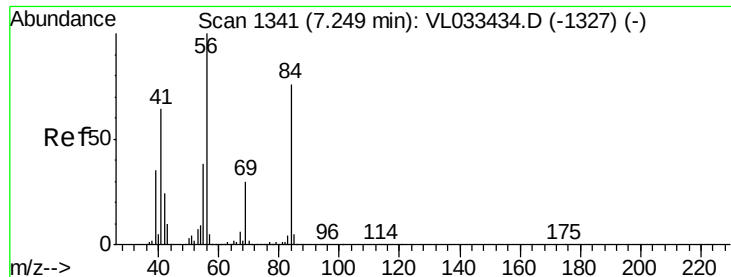
Tgt Ion: 83 Resp: 42787

Ion Ratio Lower Upper

83 100

85 62.4 52.6 79.0

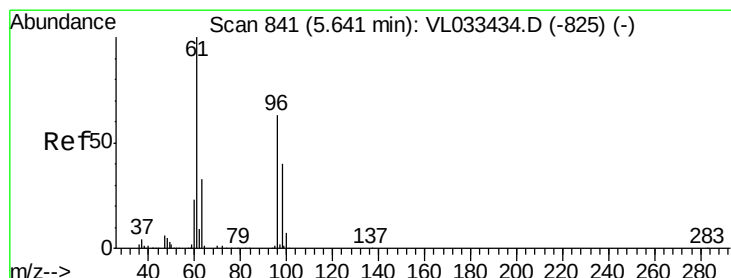
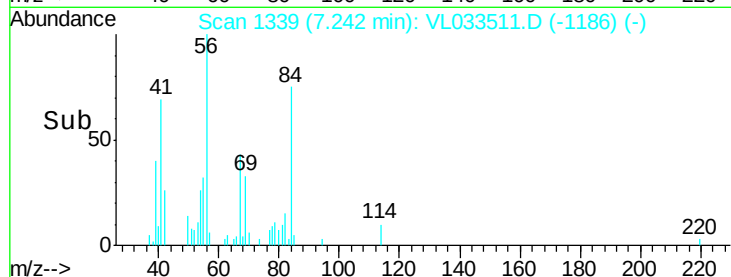
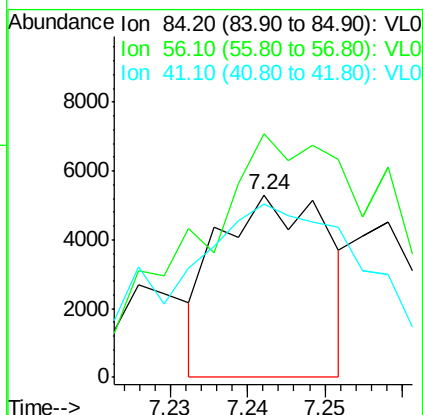
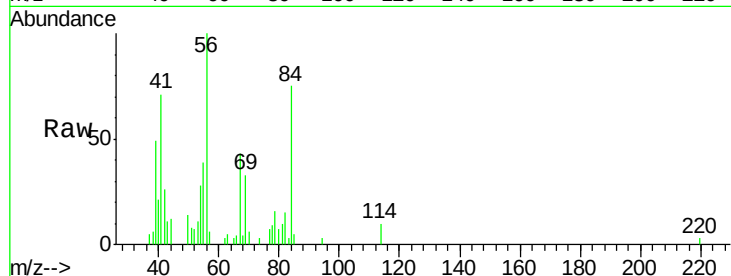




#30
Cyclohexane
Concen: 0.08 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

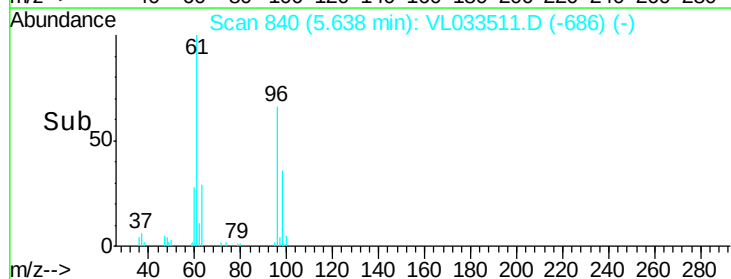
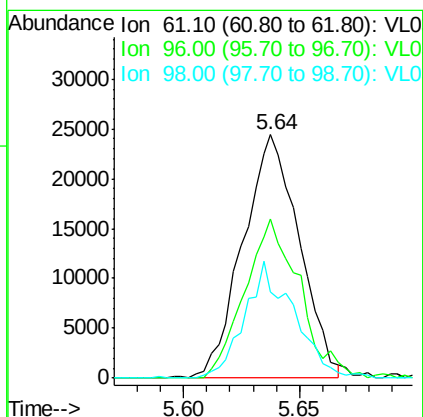
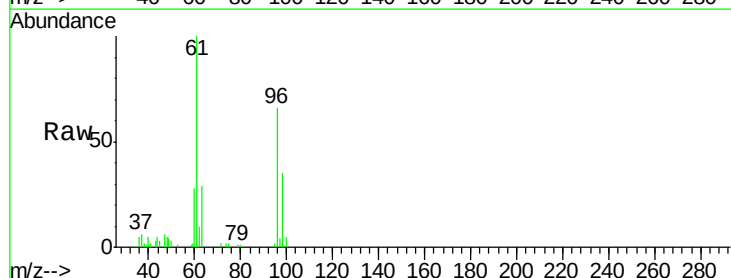
Instrument :
MSVOA_L
ClientSampleId :

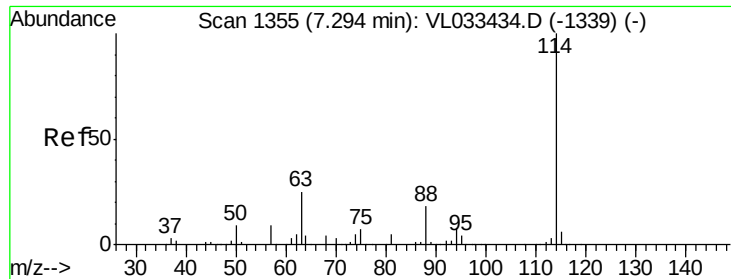
Tot Ion: 84 Resp: 5180
Ion Ratio Lower Upper
84 100
56 0.0 109.7 164.5#
41 251.6 68.2 102.2#



#31
cis-1,2-Dichloroethene
Concen: 0.50 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

Tgt Ion: 61 Resp: 41262
Ion Ratio Lower Upper
61 100
96 65.6 50.6 76.0
98 36.5 32.2 48.2

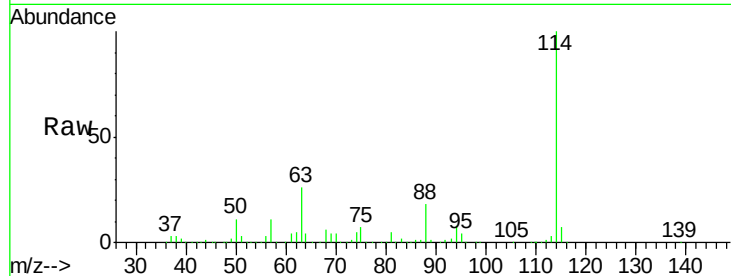




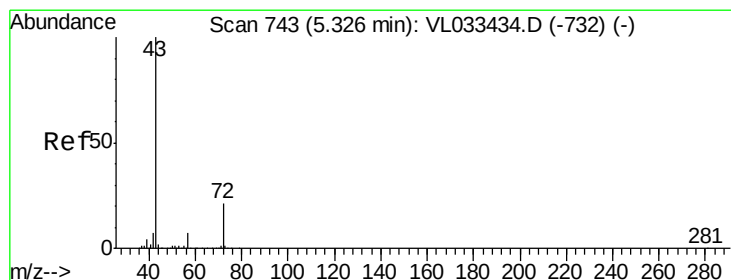
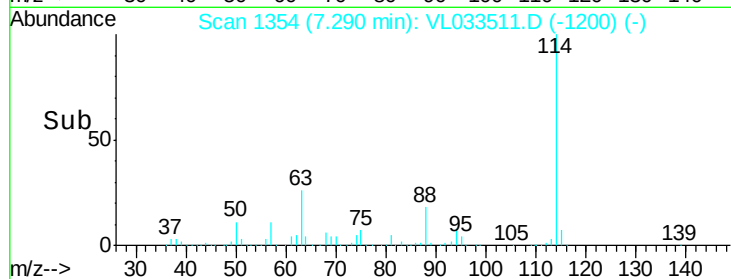
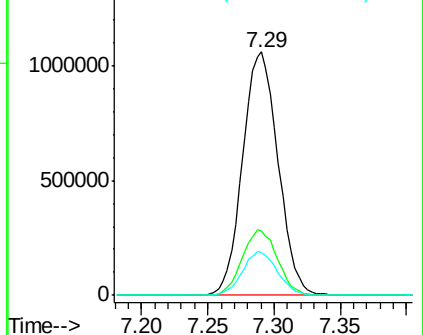
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033511.D
 Acq: 29 Mar 2019 20:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1971872
 Ion Ratio Lower Upper
 114 100
 63 26.9 21.5 32.3
 88 17.8 14.5 21.7

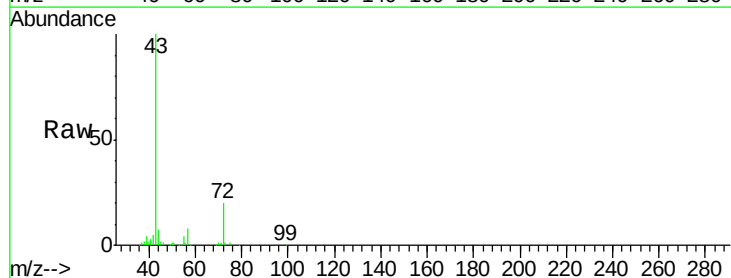


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

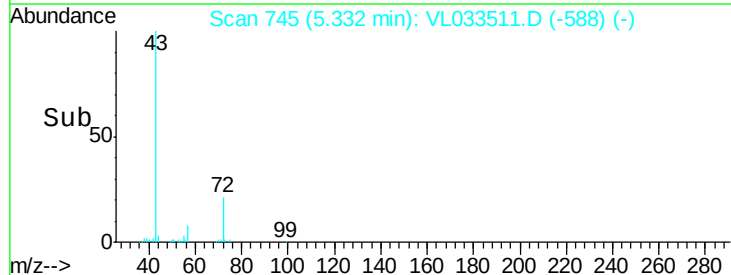
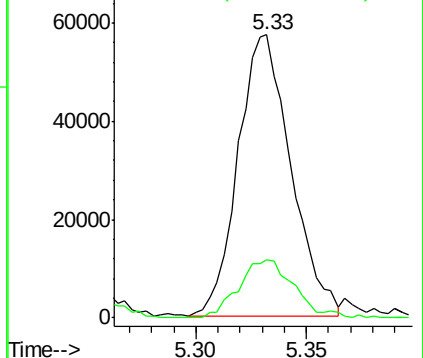


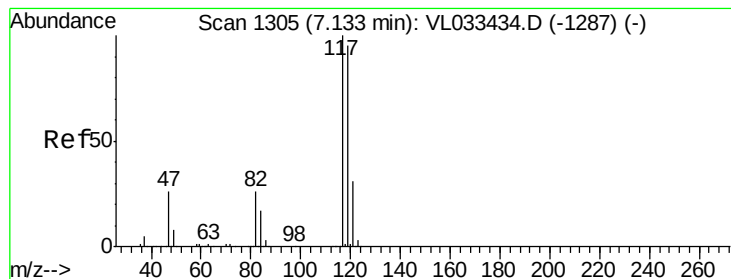
#34
 2-Butanone
 Concen: 0.80 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VL033511.D
 Acq: 29 Mar 2019 20:54

Tgt Ion: 43 Resp: 95130
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.4 26.2



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





#35

Carbon Tetrachloride

Concen: 0.05 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

ClientSampleId :

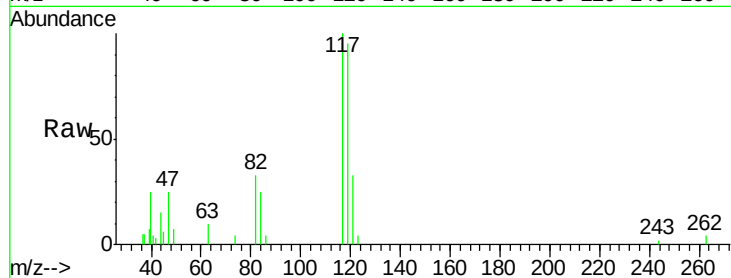
Tot Ion:117 Resp: 6712

Ion Ratio Lower Upper

117 100

119 94.7 75.8 113.8

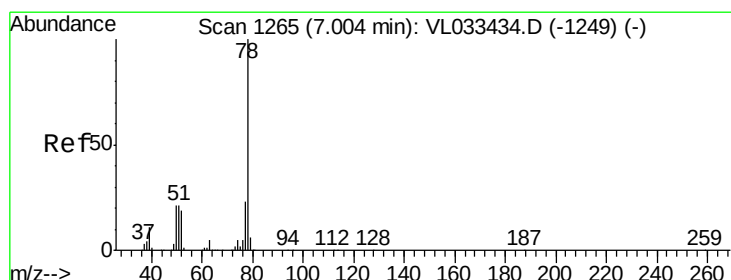
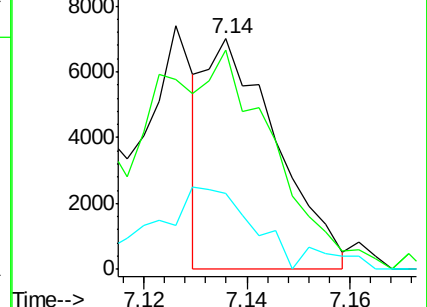
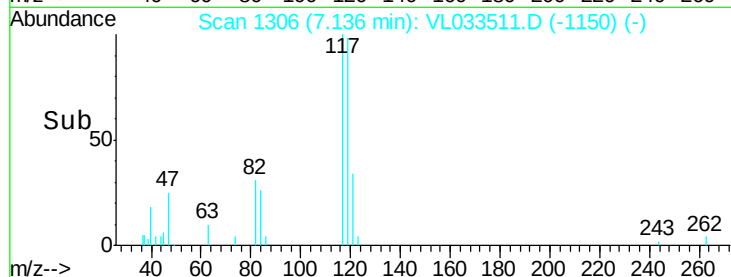
121 29.0 24.7 37.1



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: 0.46 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

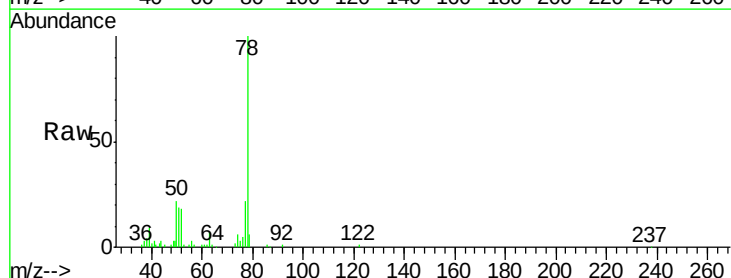
Tgt Ion: 78 Resp: 76032

Ion Ratio Lower Upper

78 100

77 21.8 18.1 27.1

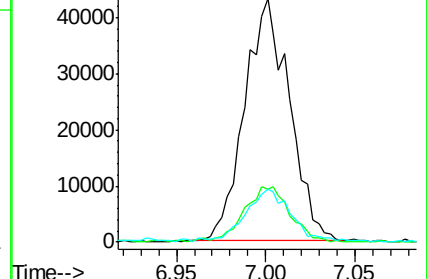
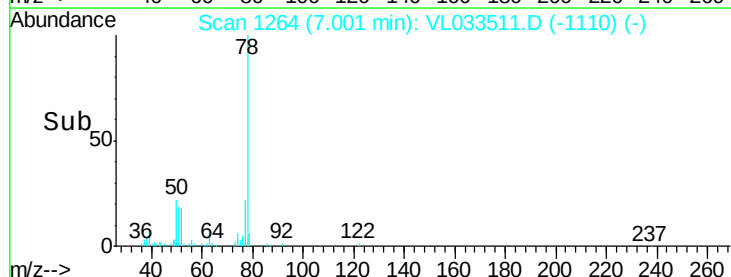
50 22.0 16.7 25.1

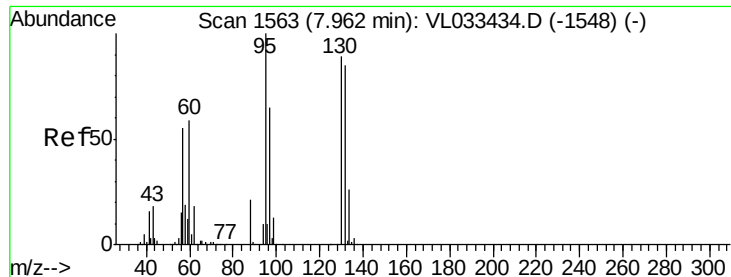


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

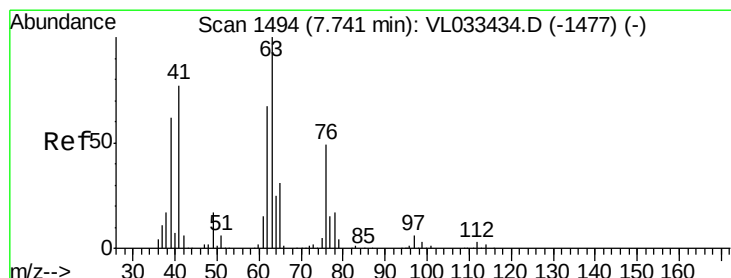
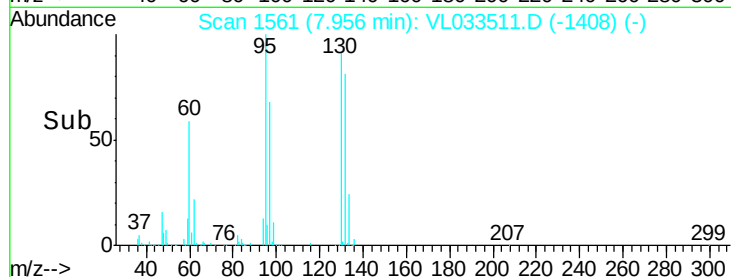
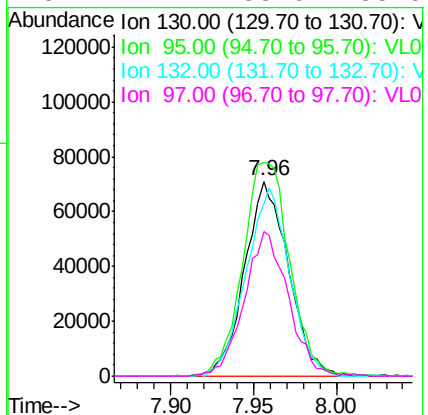
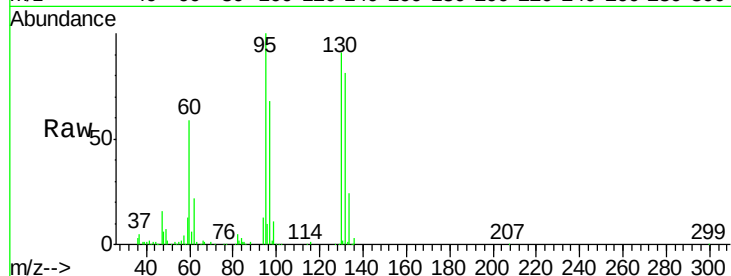




#38
 Trichloroethene
 Concen: 2.09 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033511.D
 Acq: 29 Mar 2019 20:54

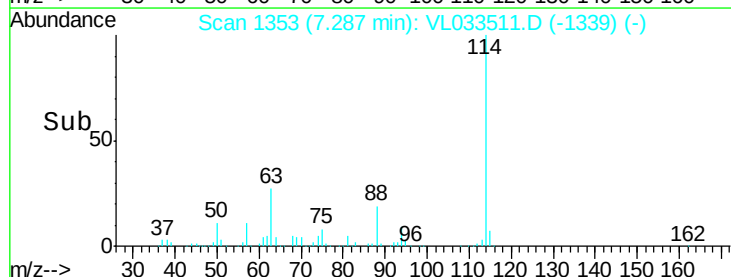
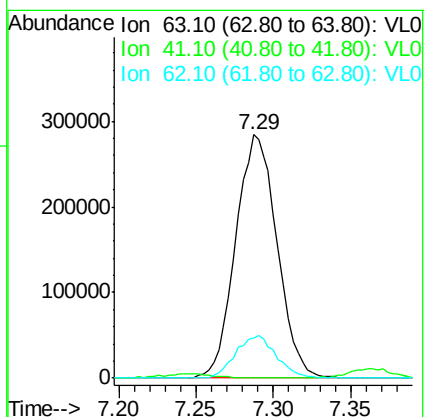
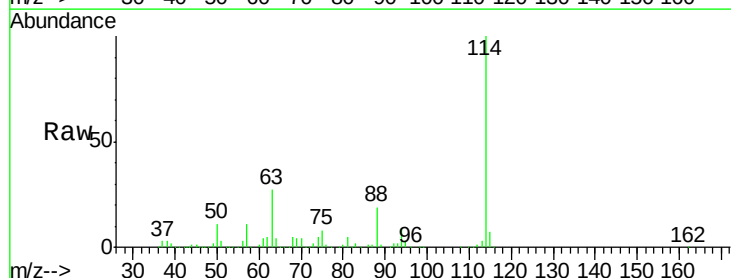
Instrument :
 MSVOA_L
 ClientSampled :

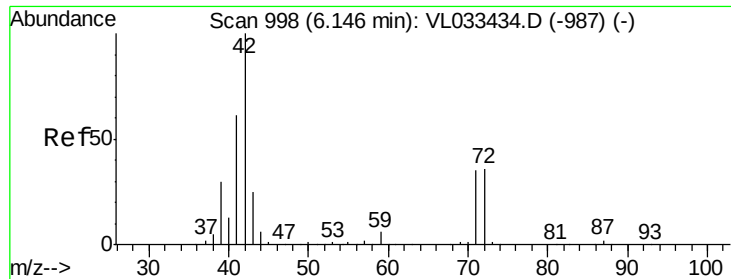
Tot Ion:130	Resp:	130025
Ion Ratio	Lower	Upper
130	100	
95	109.7	89.8 134.8
132	88.6	76.6 115.0
97	74.4	58.6 88.0



#39
 1,2-Dichloropropane
 Concen: 8.11 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.45 min
 Lab File: VL033511.D
 Acq: 29 Mar 2019 20:54

Tgt Ion: 63	Resp:	525653
Ion Ratio	Lower	Upper
63	100	
41	0.0	61.2 91.8#
62	16.5	54.0 81.0#





#41

Tetrahydrofuran

Concen: 0.03 ppbv

RT: 6.16 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

ClientSampleId :

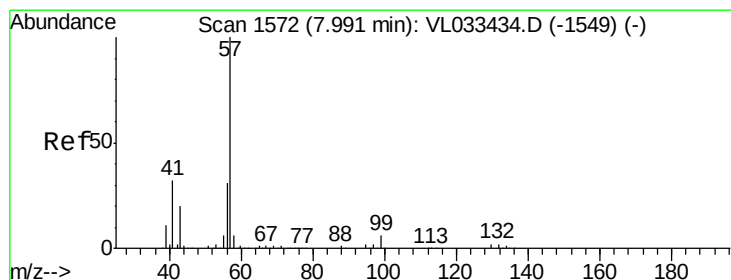
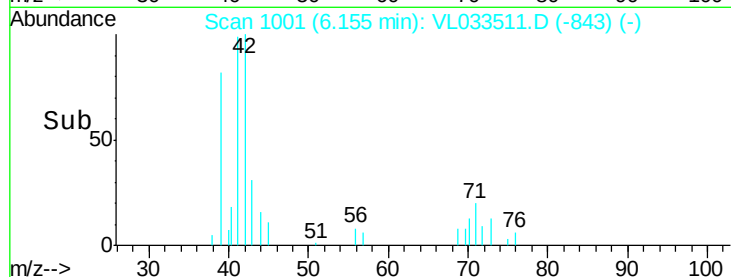
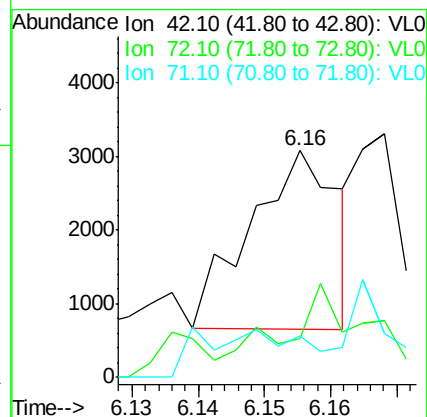
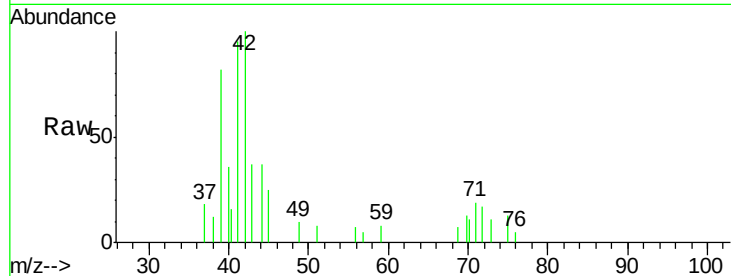
Tot Ion: 42 Resp: 2234

Ion Ratio Lower Upper

42 100

72 80.8 30.2 45.2#

71 72.4 29.4 44.2#



#44

2,2,4-Trimethylpentane

Concen: 0.10 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

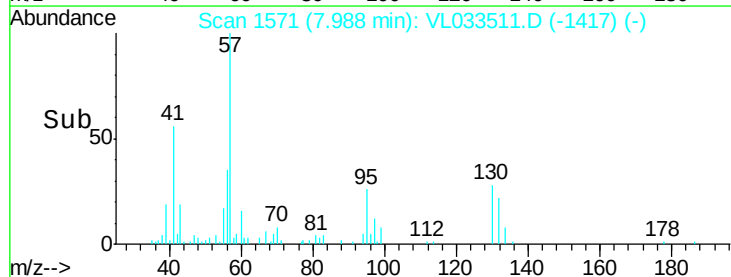
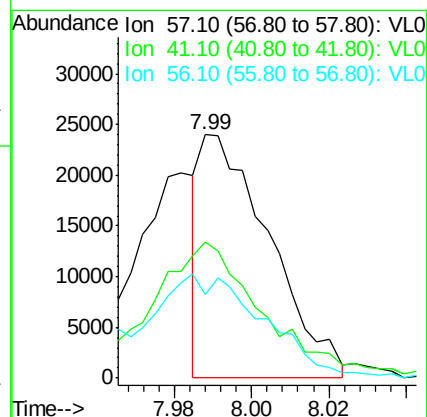
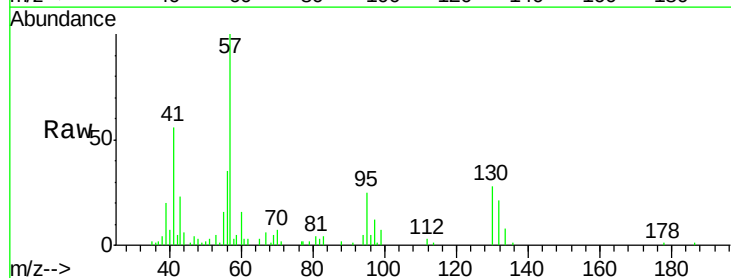
Tgt Ion: 57 Resp: 29473

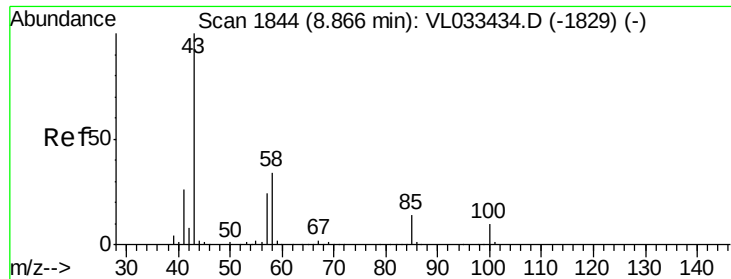
Ion Ratio Lower Upper

57 100

41 92.7 26.0 39.0#

56 77.8 24.6 37.0#





#50

4-Methyl-2-Pentanone

Concen: 0.04 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

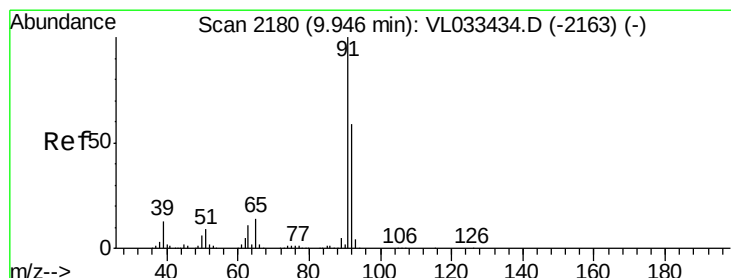
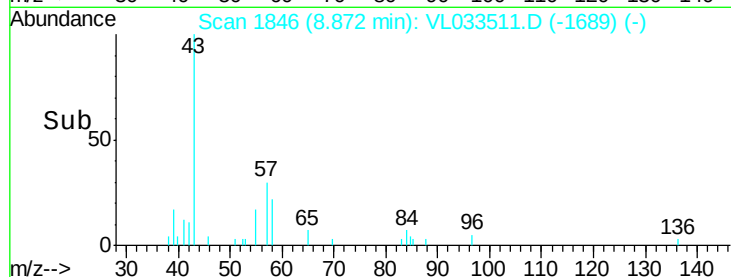
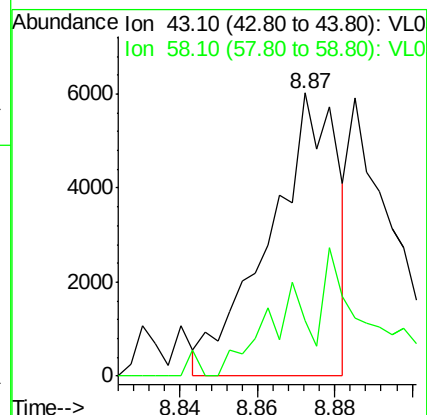
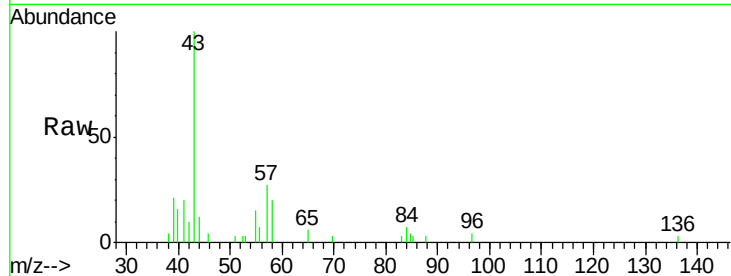
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 7389

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#53

Toluene

Concen: 2.41 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033511.D

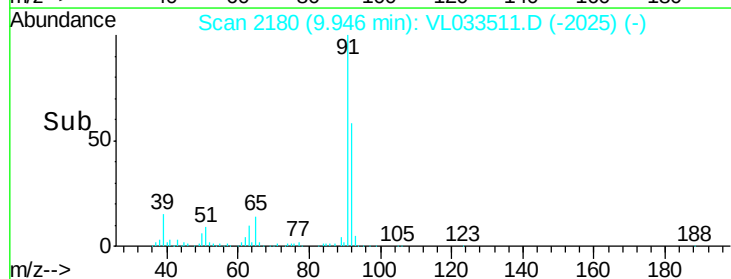
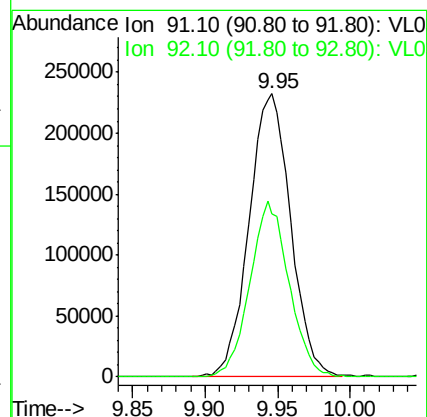
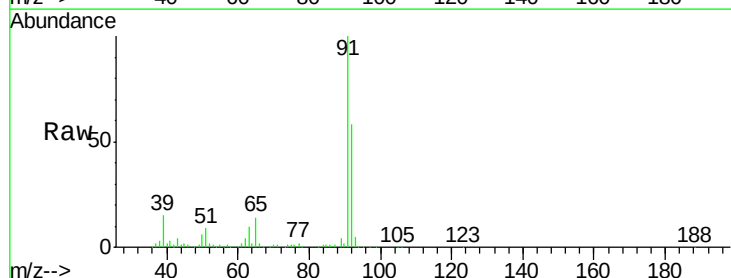
Acq: 29 Mar 2019 20:54

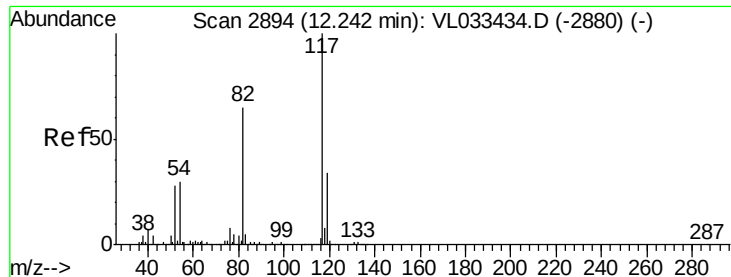
Tgt Ion: 91 Resp: 464003

Ion Ratio Lower Upper

91 100

92 58.4 47.4 71.0

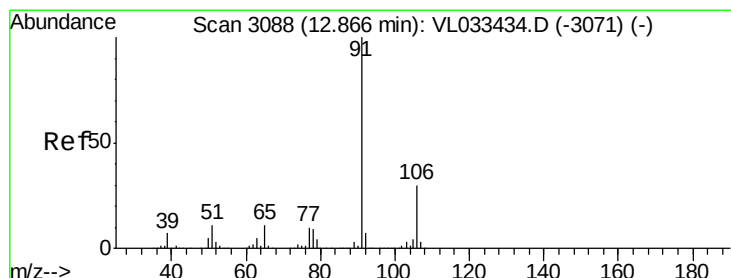
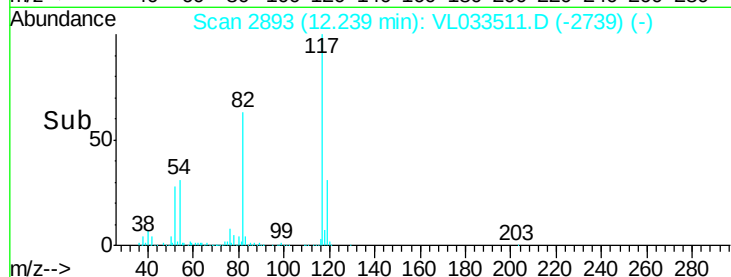
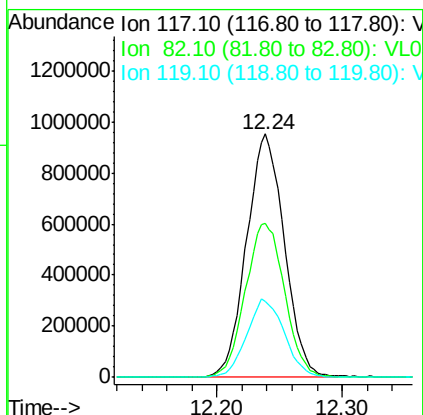
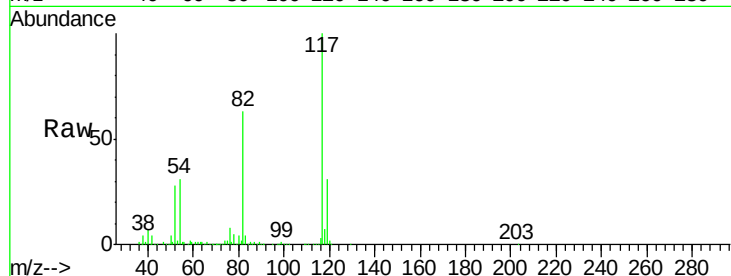




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

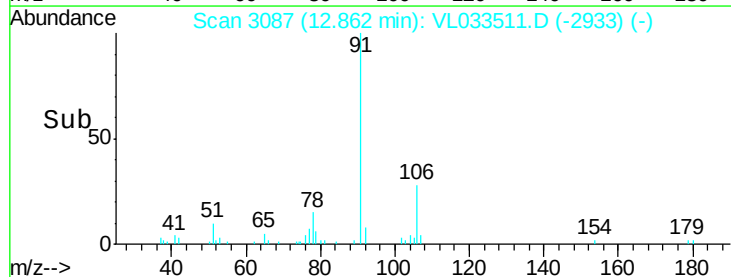
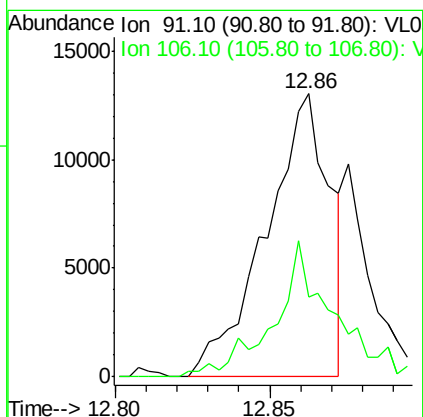
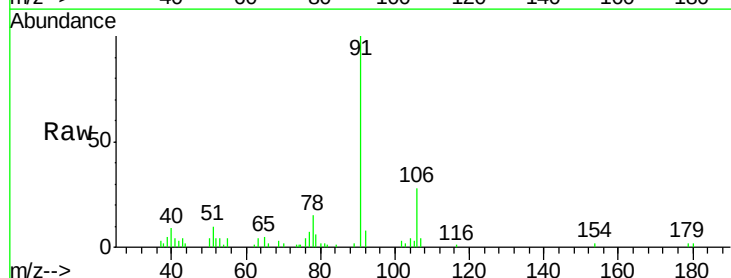
Instrument :
MSVOA_L
ClientSampleId :

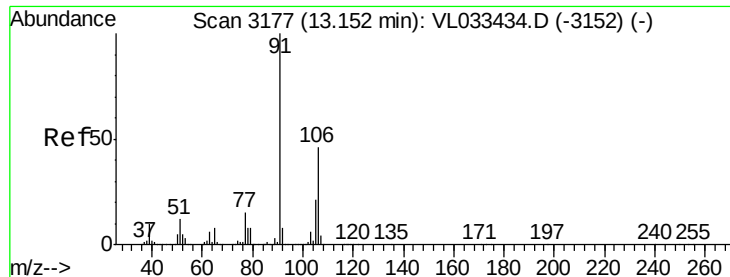
Tot Ion:117 Resp: 1991574
Ion Ratio Lower Upper
117 100
82 66.1 51.5 77.3
119 32.1 25.5 38.3



#58
Ethyl Benzene
Concen: 0.07 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

Tgt Ion: 91 Resp: 18613
Ion Ratio Lower Upper
91 100
106 26.2 23.8 35.6

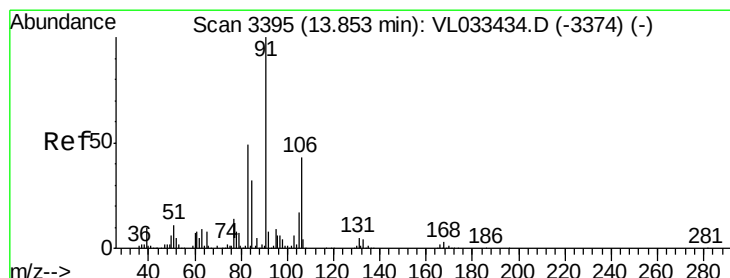
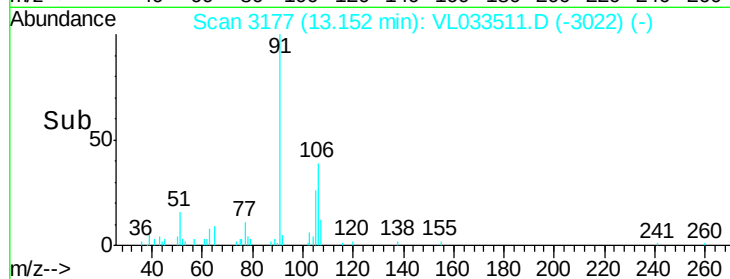
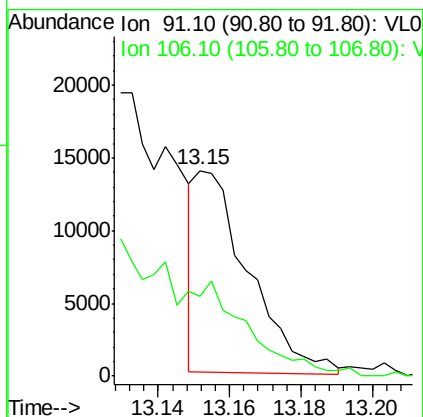
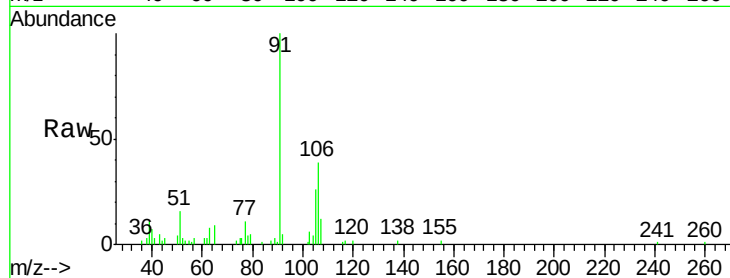




#59
m/p-Xylene
Concen: 0.06 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

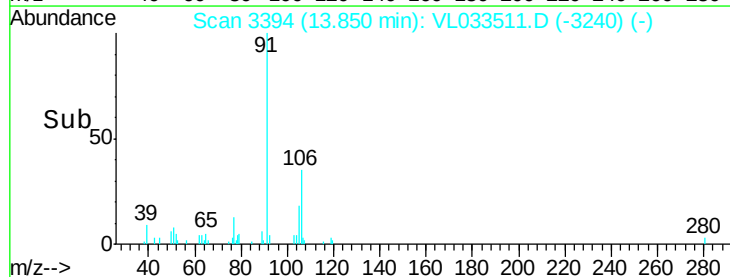
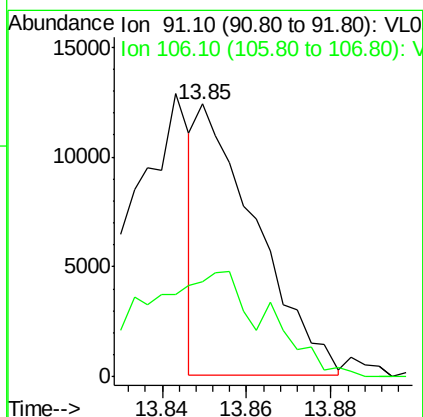
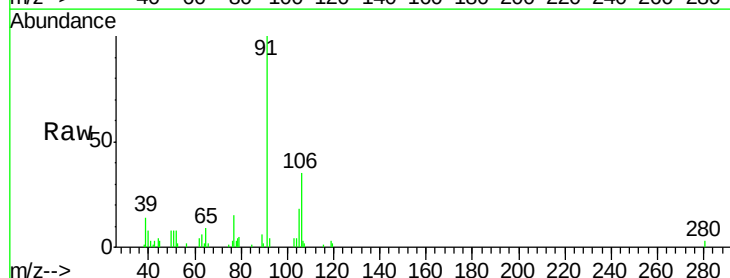
Instrument :
MSVOA_L
ClientSampleId :

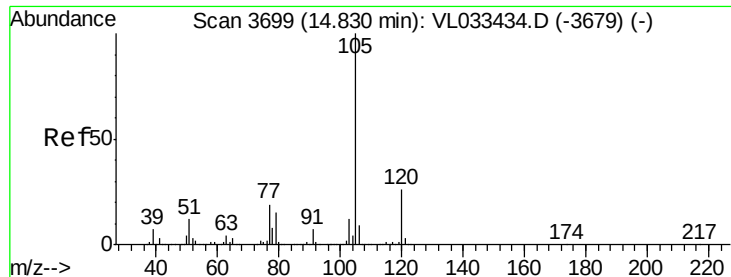
Tot Ion: 91 Resp: 14196
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 0.05 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033511.D
Acq: 29 Mar 2019 20:54

Tgt Ion: 91 Resp: 12070
Ion Ratio Lower Upper
91 100
106 87.2 21.4 64.3#





#62

Isopropylbenzene

Concen: 0.05 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

Instrument :

MSVOA_L

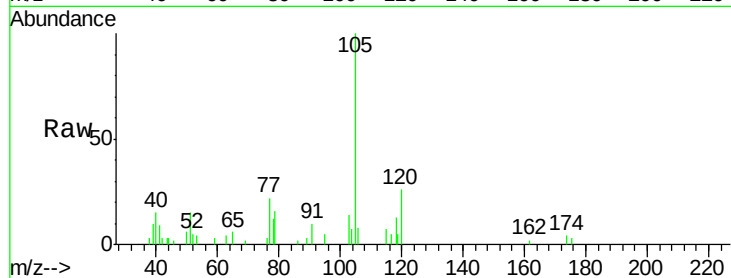
ClientSampleId :

Tot Ion:105 Resp: 16709

Ion Ratio Lower Upper

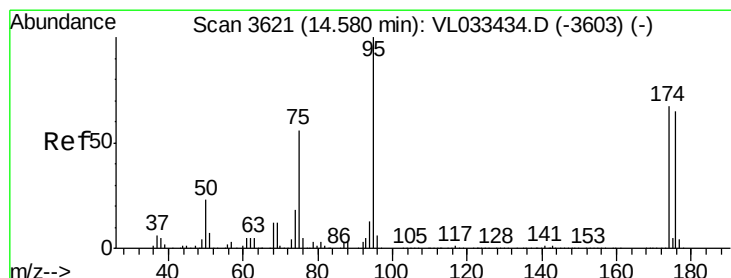
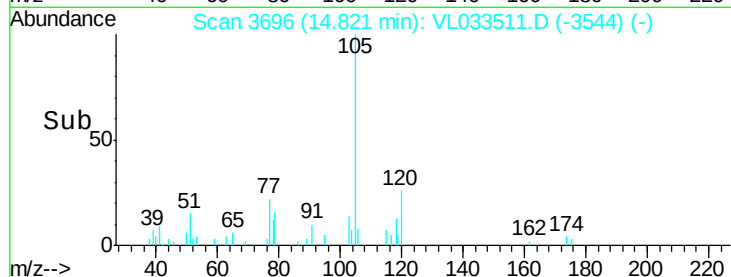
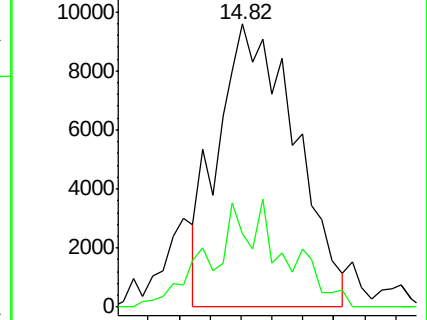
105 100

120 34.7 20.2 30.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.74 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033511.D

Acq: 29 Mar 2019 20:54

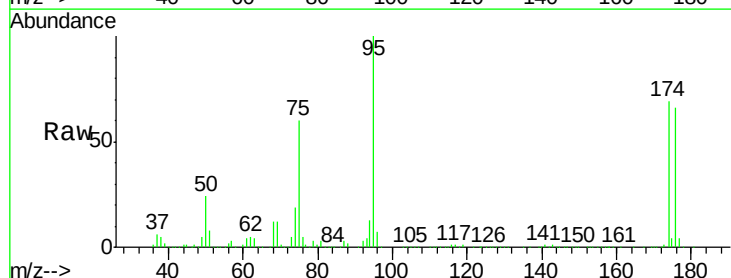
Tgt Ion: 95 Resp: 1521230

Ion Ratio Lower Upper

95 100

174 66.6 52.9 79.3

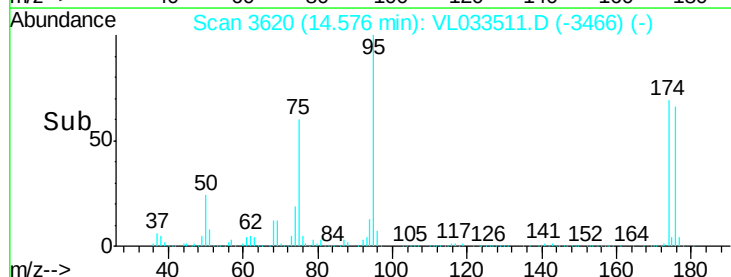
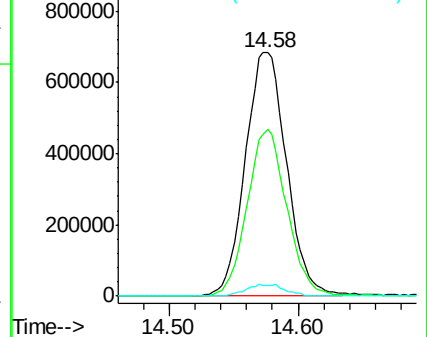
175 4.7 3.8 5.6

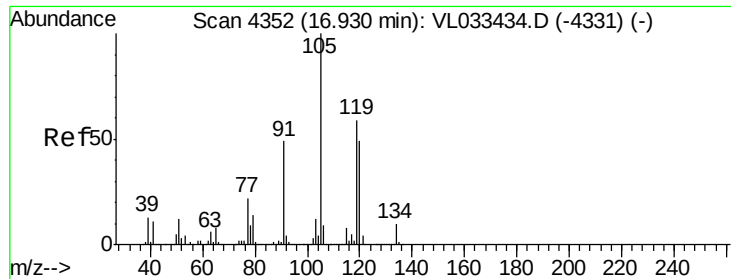


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.04 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL033511.D
 Acq: 29 Mar 2019 20:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
105	100		
120	0.3	39.0	58.6#
91	0.0	40.0	60.0#
77	34.7	17.5	26.3#

