

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033519.D
 Acq On : 30 Mar 2019 2:17
 Operator : SY/AP
 Sample : K2042-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 03:31:42 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	866154	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1974555	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2009578	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1554426	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.08	85	42517	0.34	ppbv	89
3) Chlorodifluoromethane	2.99	51	8184498	82.08	ppbv #	57
4) Chloromethane	3.17	50	21903	0.42	ppbv #	81
5) Vinyl Chloride	3.29	62	1639	0.03	ppbv #	88
6) Bromomethane	3.52	94	2103	0.06	ppbv	96
7) Chloroethane	3.60	64	3033	0.16	ppbv	90
9) Propene	3.03	41	12664	0.30	ppbv #	16
10) Heptane	8.25	43	34301	0.31	ppbv	98
11) Trichlorofluoromethane	4.00	101	42002	0.27	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	3464	0.03	ppbv #	14
13) Ethanol	3.65	45	2898828	267.51	ppbv	65
15) Acetone	3.90	43	966933	9.28	ppbv	99
16) 1,3-Butadiene	3.34	39	26429	0.64	ppbv #	17
17) tert-Butyl alcohol	4.37	59	19264	1.01	ppbv #	88
19) Isopropyl Alcohol	4.03	45	425558	6.46	ppbv #	97
20) Methylene Chloride	4.41	84	90595	2.05	ppbv	96
22) trans-1,2-Dichloroethene	4.96	96	4429	0.09	ppbv	85
23) Vinyl Acetate	5.14	43	50552	0.34	ppbv #	72
25) Ethyl Acetate	5.78	43	218311	1.13	ppbv #	85
26) Hexane	5.78	57	268657	3.13	ppbv #	44
27) Carbon Disulfide	4.62	76	10525	0.10	ppbv #	79
29) Chloroform	5.84	83	167678	1.14	ppbv	94
30) Cyclohexane	7.24	84	5664	0.08	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	69026	0.81	ppbv	99
32) 1,1,1-Trichloroethane	6.61	97	4586	0.03	ppbv #	22
34) 2-Butanone	5.33	43	85668	0.72	ppbv	99
35) Carbon Tetrachloride	7.13	117	8654	0.06	ppbv #	87
36) Benzene	7.00	78	58521	0.35	ppbv	96
37) 1,2-Dichloroethane	6.41	62	4193	0.04	ppbv #	92
38) Trichloroethene	7.96	130	769851	12.35	ppbv	99
39) 1,2-Dichloropropane	7.29	63	516874	7.96	ppbv #	23
44) 2,2,4-Trimethylpentane	7.99	57	72879	0.25	ppbv #	71
50) 4-Methyl-2-Pentanone	8.88	43	10903	0.06	ppbv	92
52) Tetrachloroethene	11.37	164	5598	0.09	ppbv	95
53) Toluene	9.95	91	709265	3.68	ppbv	99
58) Ethyl Benzene	12.86	91	33743	0.13	ppbv	93
59) m/p-Xylene	13.15	91	23410	0.10	ppbv #	100
60) o-Xylene	13.85	91	37686	0.16	ppbv	99
61) Styrene	13.69	104	5624	0.04	ppbv #	47
74) 1,2,4-Trimethylbenzene	16.93	105	12207	0.05	ppbv #	74

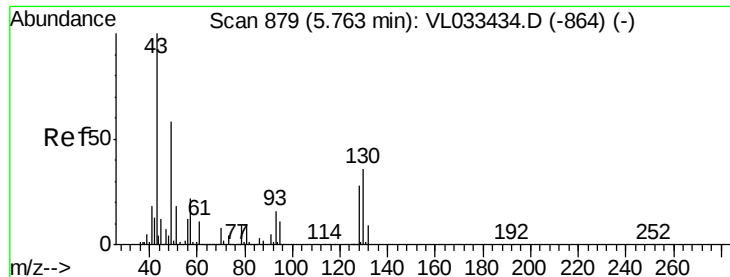
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
Data File : VL033519.D
Acq On : 30 Mar 2019 2:17
Operator : SY/AP
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Misc : 400ml/MSVOA L
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Instrument :
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Quant Time: Mar 30 03:31:42 2019
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

ClientSampleId :

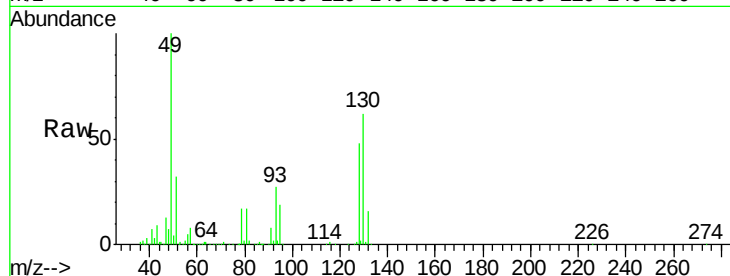
Tot Ion: 49 Resp: 866154

Ion Ratio Lower Upper

49 100

128 49.4 24.0 72.0

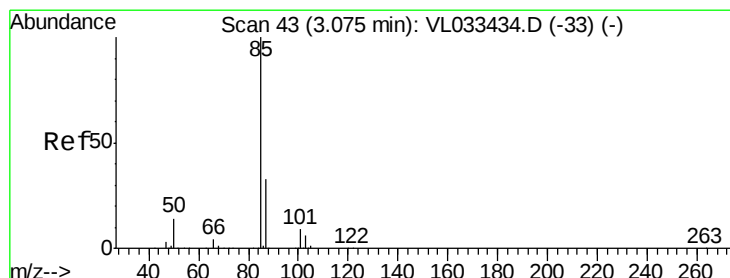
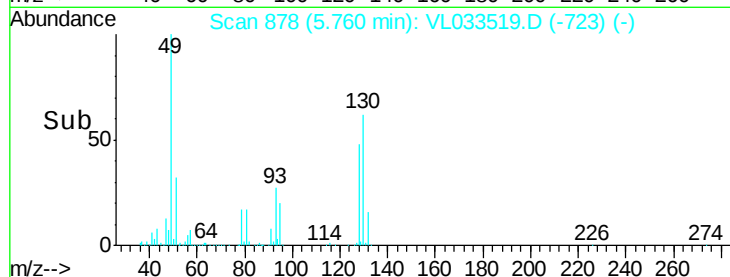
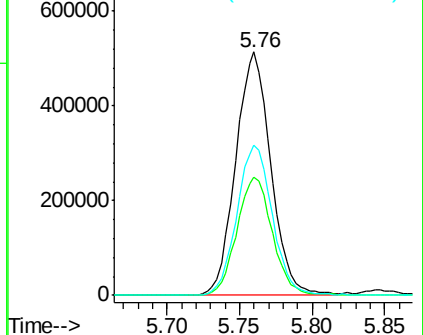
130 62.5 31.2 93.6



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: 0.34 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033519.D

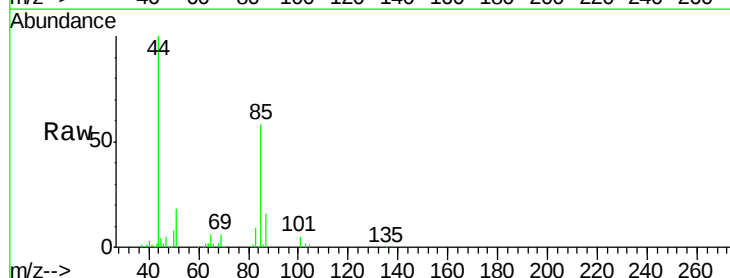
Acq: 30 Mar 2019 2:17

Tgt Ion: 85 Resp: 42517

Ion Ratio Lower Upper

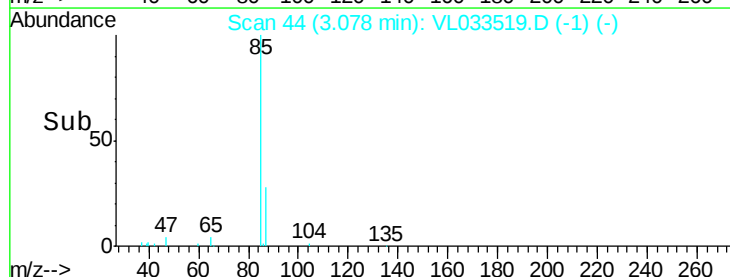
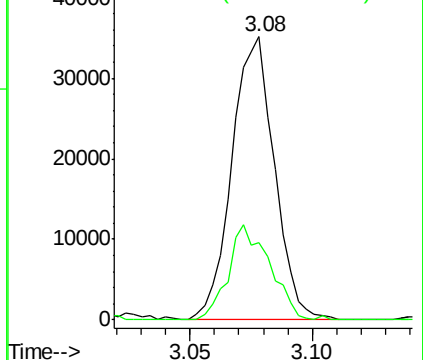
85 100

87 27.1 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: 82.08 ppbv

RT: 2.99 min Scan# 16

Delta R.T. -0.03 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

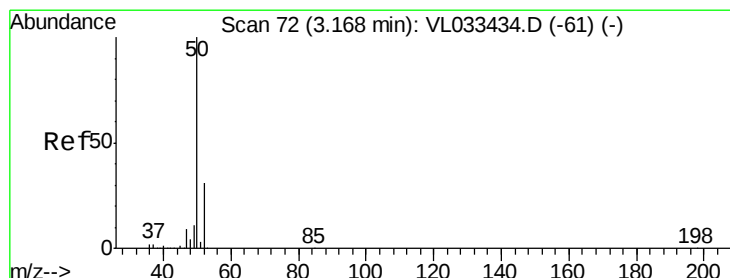
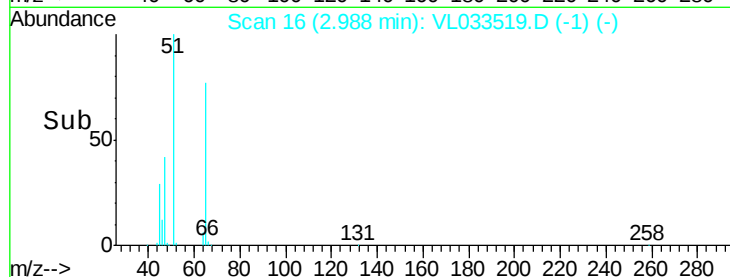
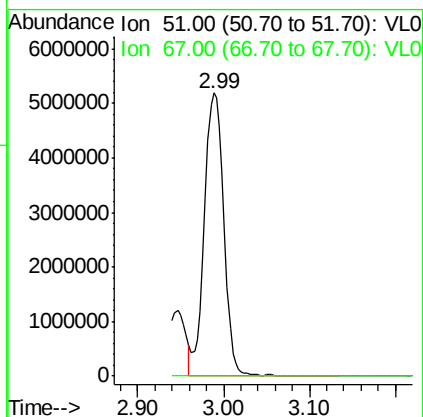
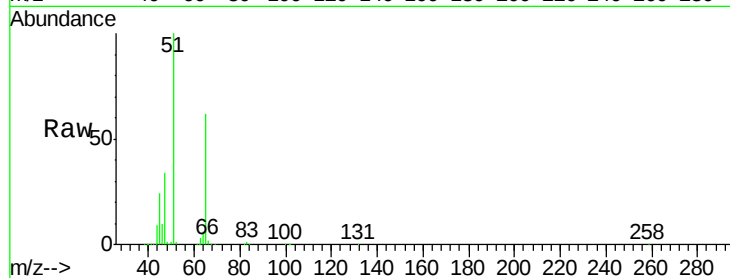
ClientSampleId :

Tot Ion: 51 Resp: 8184498

Ion Ratio Lower Upper

51 100

67 0.2 15.7 23.5#



#4

Chloromethane

Concen: 0.42 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL033519.D

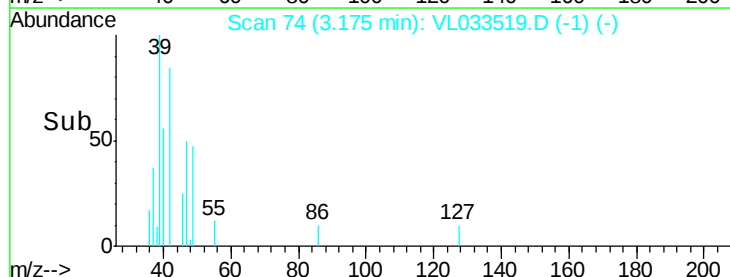
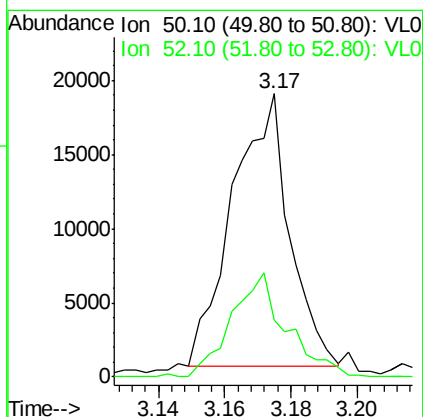
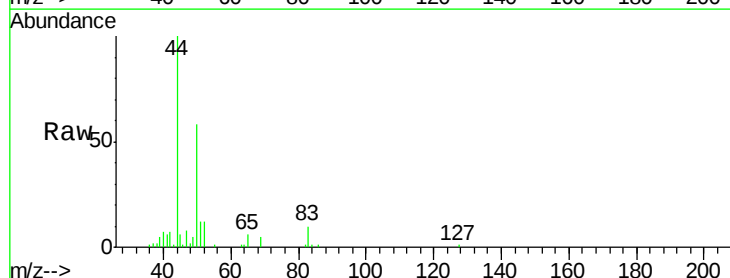
Acq: 30 Mar 2019 2:17

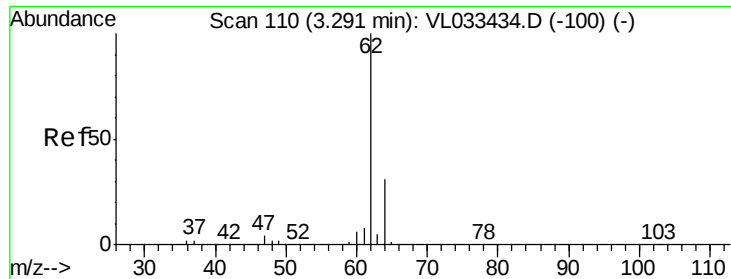
Tgt Ion: 50 Resp: 21903

Ion Ratio Lower Upper

50 100

52 21.0 25.0 37.6#





#5

Vinyl Chloride

Concen: 0.03 ppbv

RT: 3.29 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

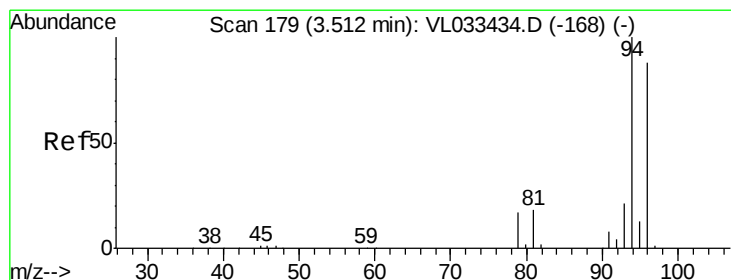
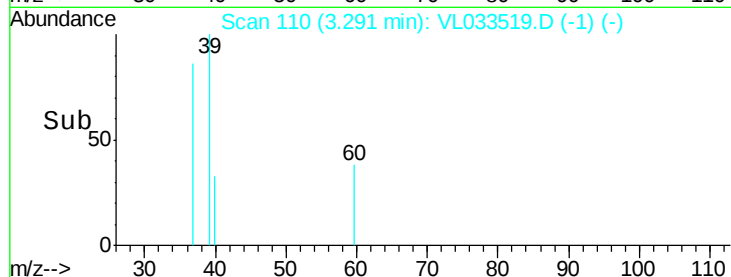
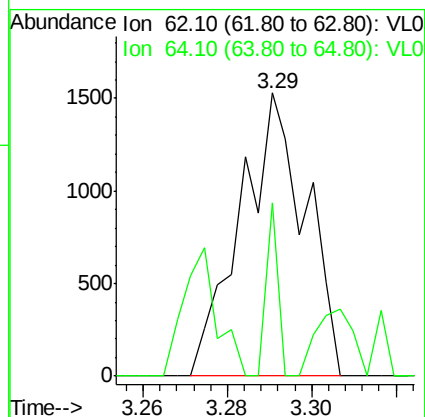
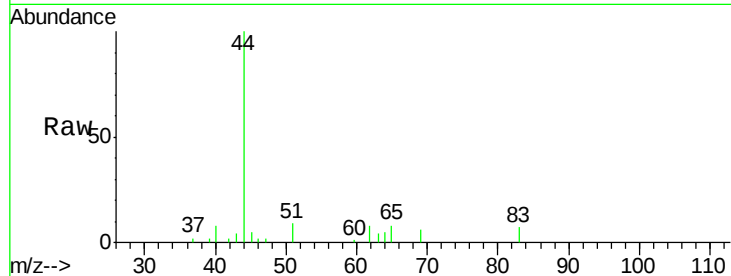
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 1639

Ion Ratio Lower Upper

62 100

64 37.5 24.9 37.3#



#6

Bromomethane

Concen: 0.06 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033519.D

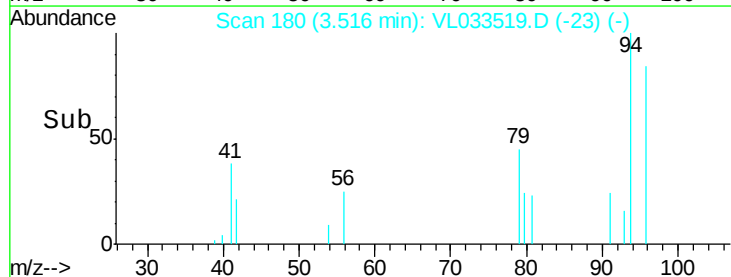
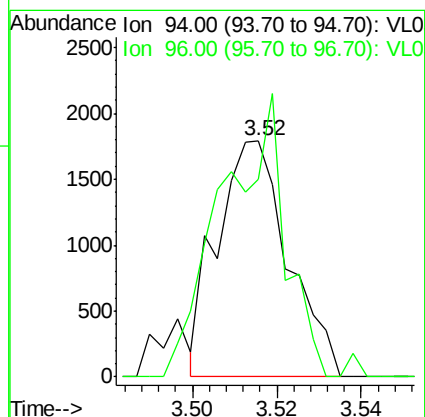
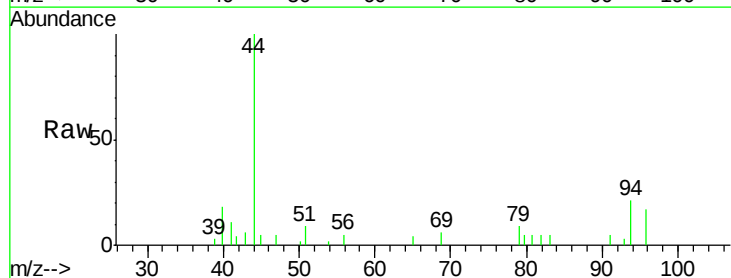
Acq: 30 Mar 2019 2:17

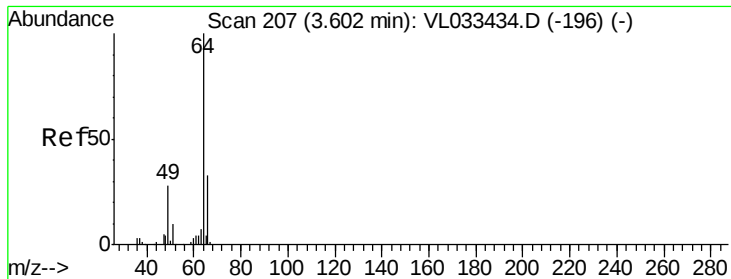
Tgt Ion: 94 Resp: 2103

Ion Ratio Lower Upper

94 100

96 83.8 70.2 105.2





#7

Chloroethane

Concen: 0.16 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

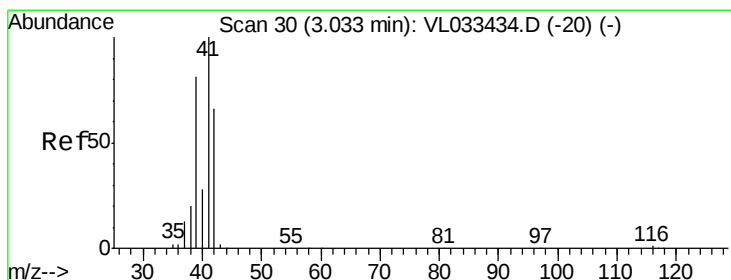
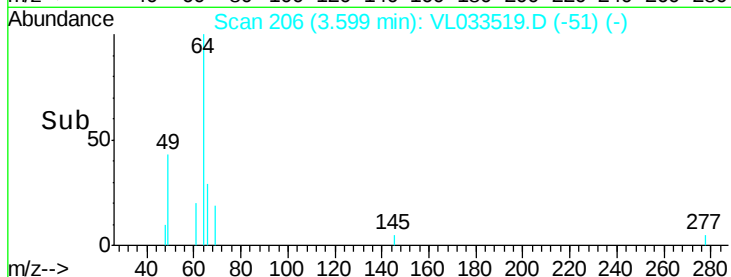
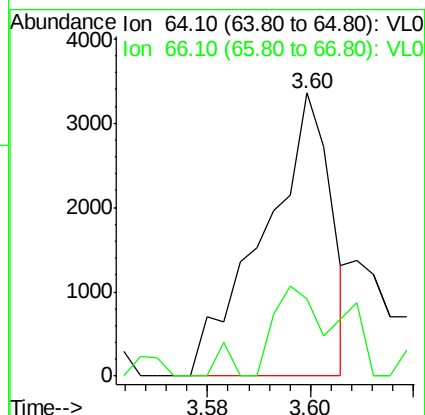
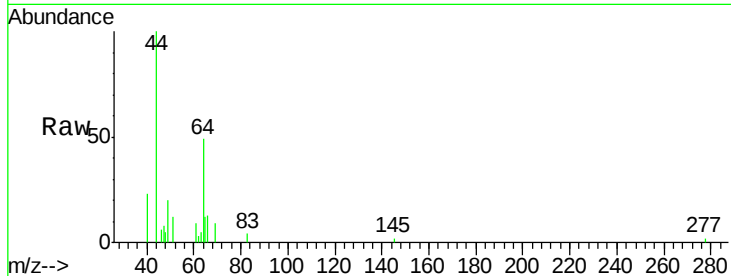
ClientSampleId :

Tot Ion: 64 Resp: 3033

Ion Ratio Lower Upper

64 100

66 27.5 26.7 40.1



#9

Propene

Concen: 0.30 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033519.D

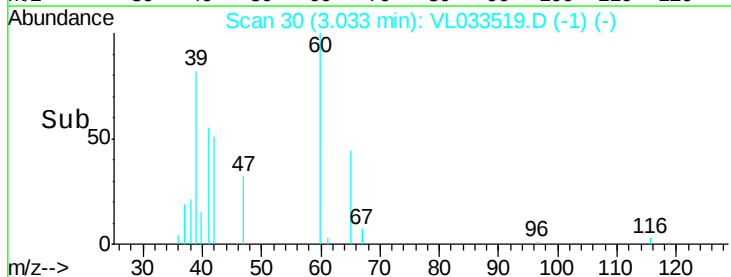
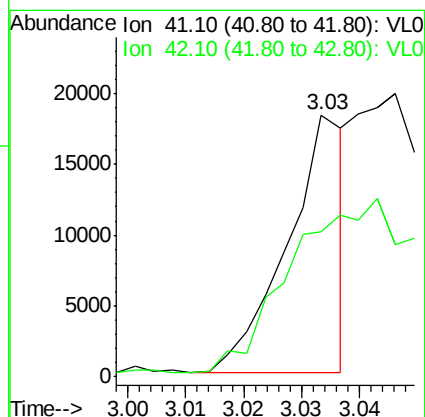
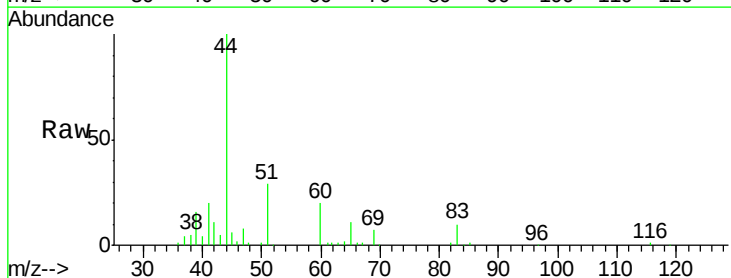
Acq: 30 Mar 2019 2:17

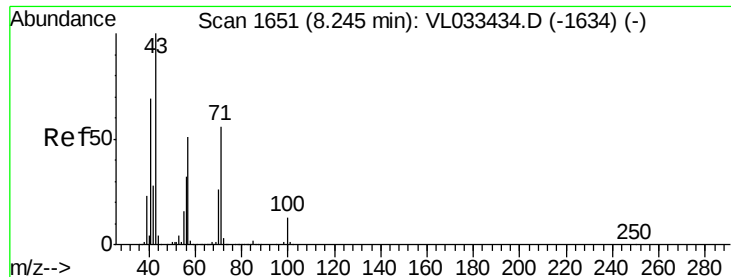
Tgt Ion: 41 Resp: 12664

Ion Ratio Lower Upper

41 100

42 0.0 53.9 80.9#

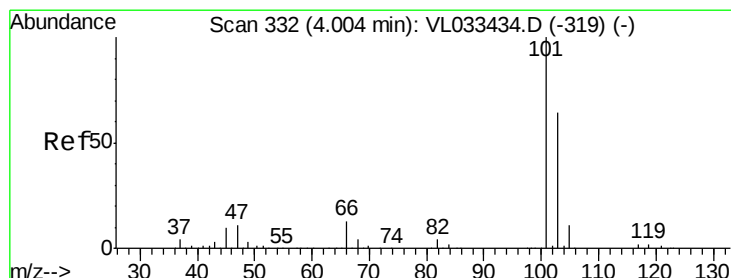
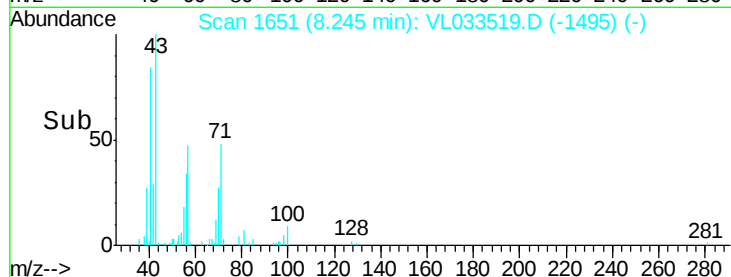
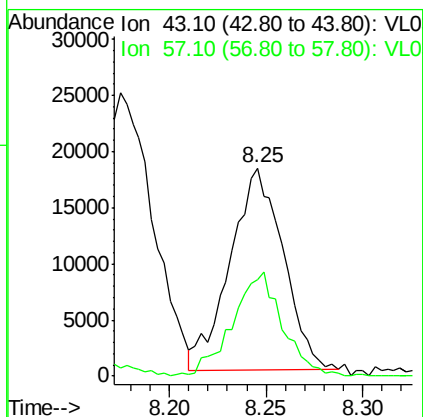
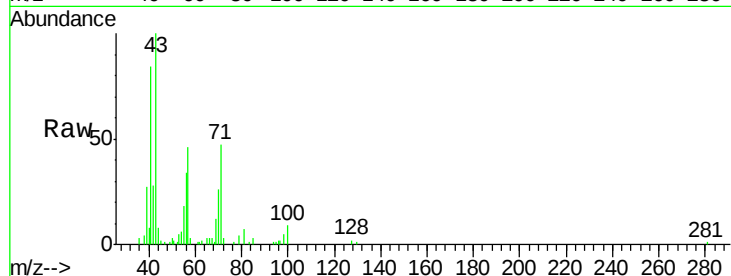




#10
 Heptane
 Concen: 0.31 ppbv
 RT: 8.25 min Scan# 1651
 Delta R.T. 0.00 min
 Lab File: VL033519.D
 Acq: 30 Mar 2019 2:17

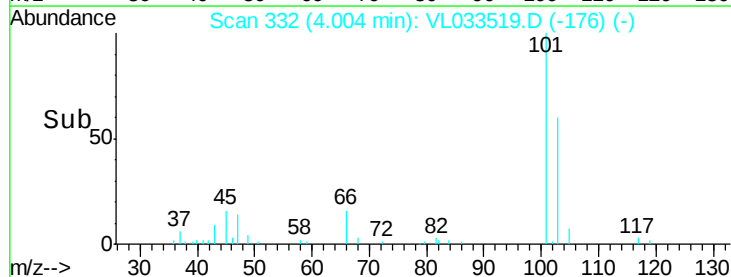
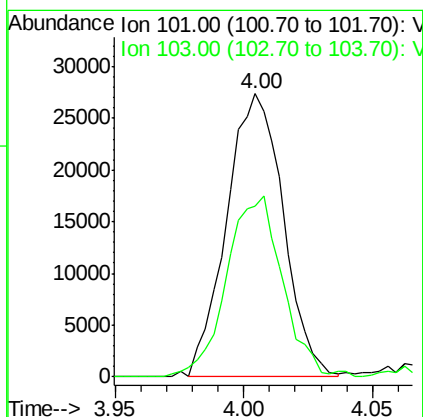
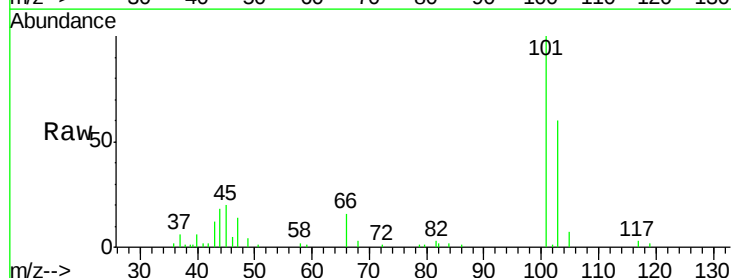
Instrument :
 MSVOA_L
 ClientSampleId :

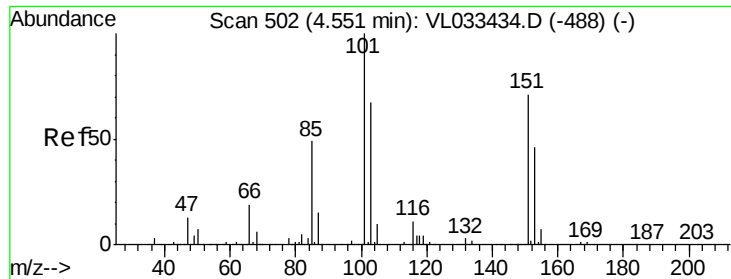
Tot Ion: 43 Resp: 34301
 Ion Ratio Lower Upper
 43 100
 57 49.1 40.6 60.8



#11
 Trichlorofluoromethane
 Concen: 0.27 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033519.D
 Acq: 30 Mar 2019 2:17

Tgt Ion: 101 Resp: 42002
 Ion Ratio Lower Upper
 101 100
 103 58.4 51.3 76.9





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.03 ppbv

RT: 4.55 min Scan# 501

Delta R.T. -0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

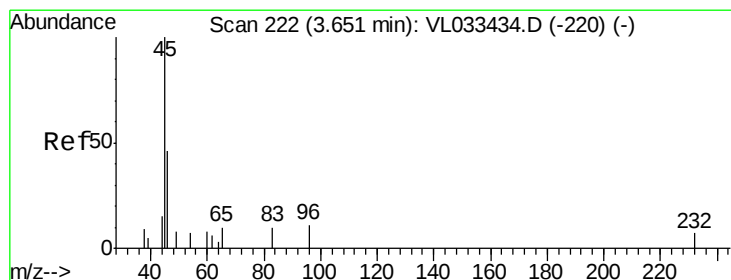
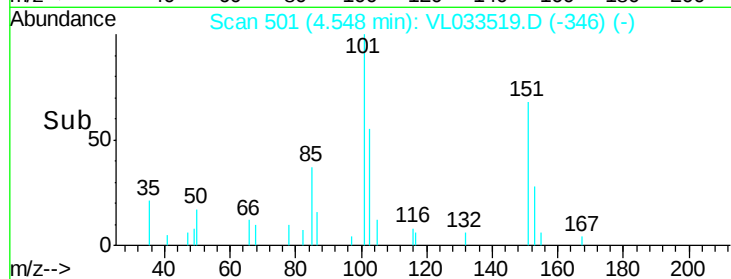
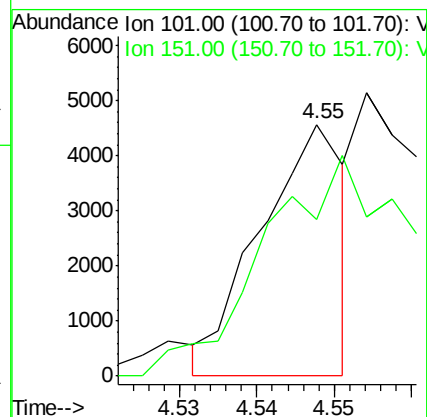
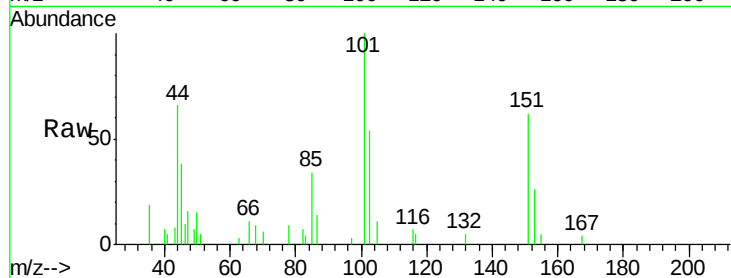
ClientSampleId :

Tot Ion:101 Resp: 3464

Ion Ratio Lower Upper

101 100

151 0.0 57.7 86.5#



#13

Ethanol

Concen: 267.51 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033519.D

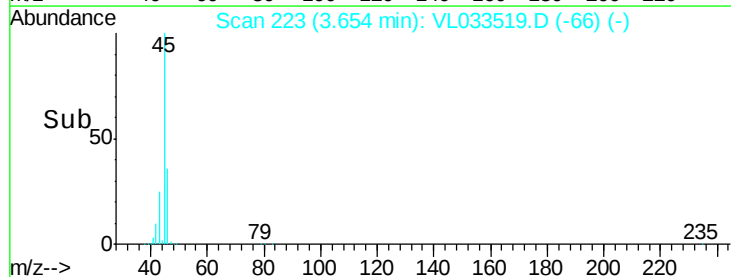
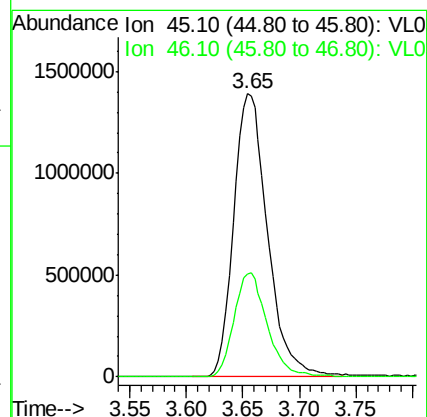
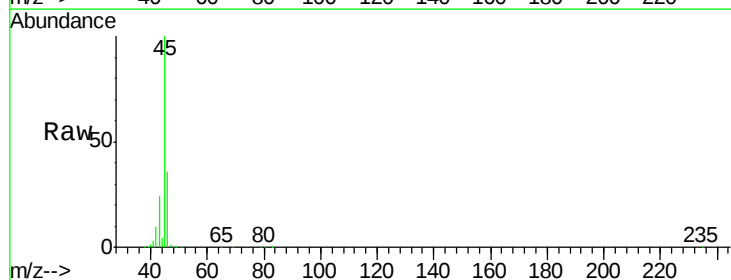
Acq: 30 Mar 2019 2:17

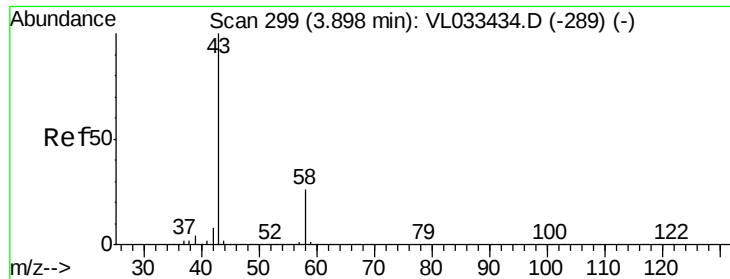
Tgt Ion: 45 Resp: 2898828

Ion Ratio Lower Upper

45 100

46 36.2 25.4 101.8





#15

Acetone

Concen: 9.28 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

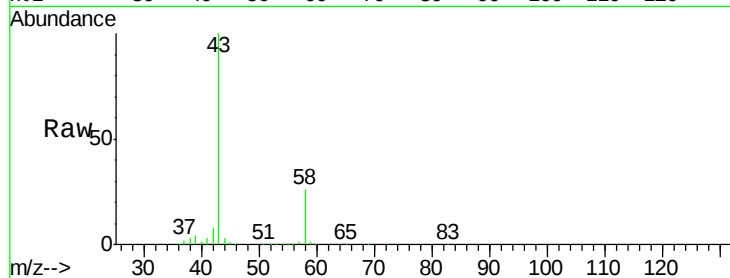
ClientSampleId :

Tot Ion: 43 Resp: 966933

Ion Ratio Lower Upper

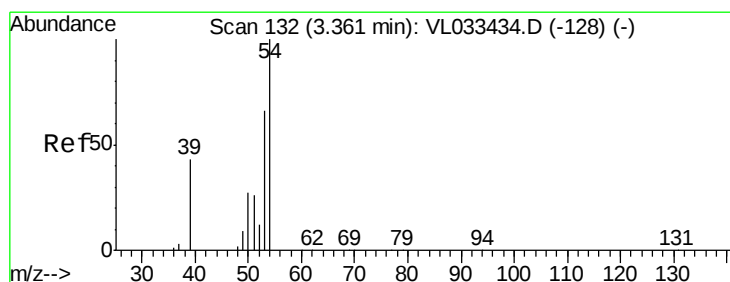
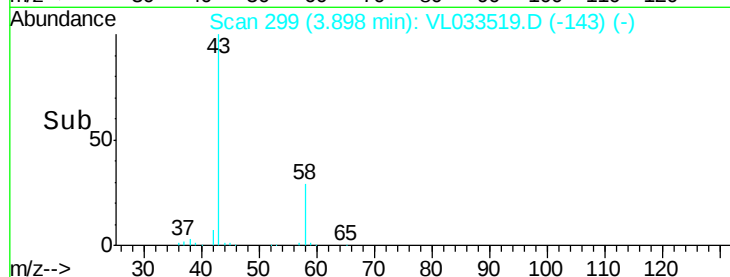
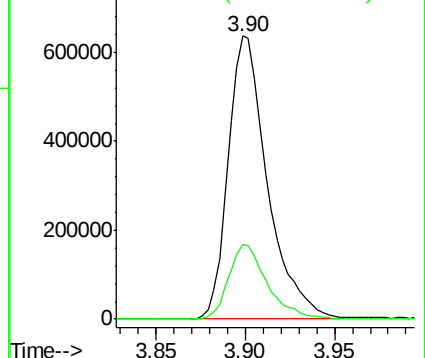
43 100

58 26.2 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: 0.64 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033519.D

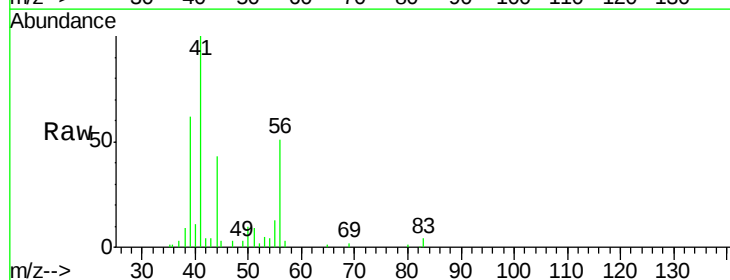
Acq: 30 Mar 2019 2:17

Tgt Ion: 39 Resp: 26429

Ion Ratio Lower Upper

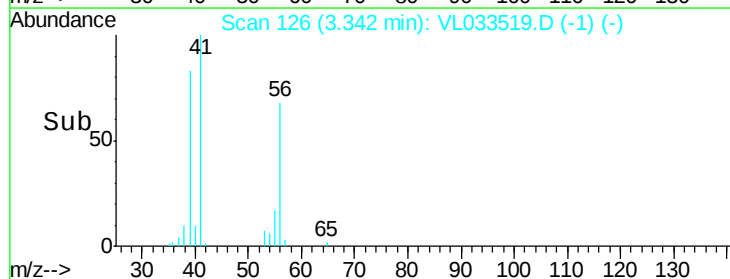
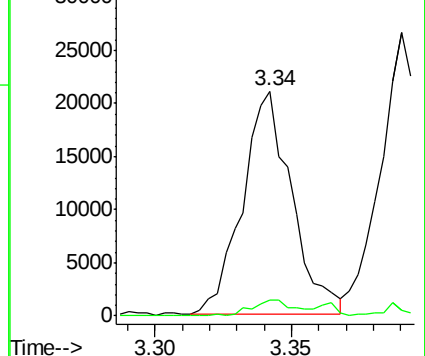
39 100

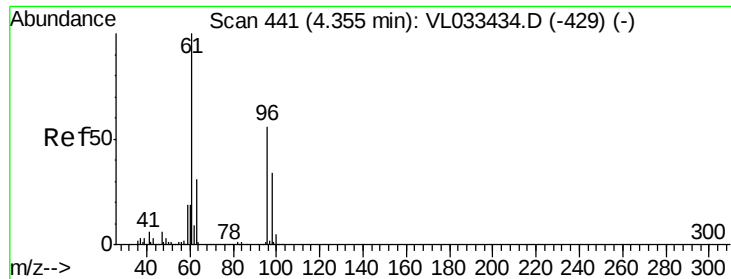
54 10.3 69.4 104.2#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

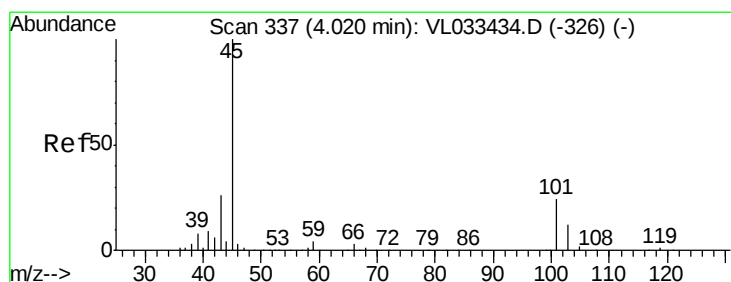
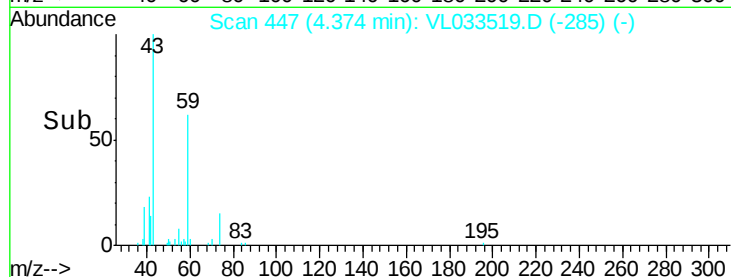
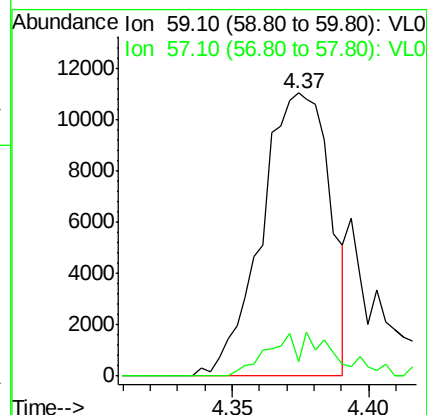
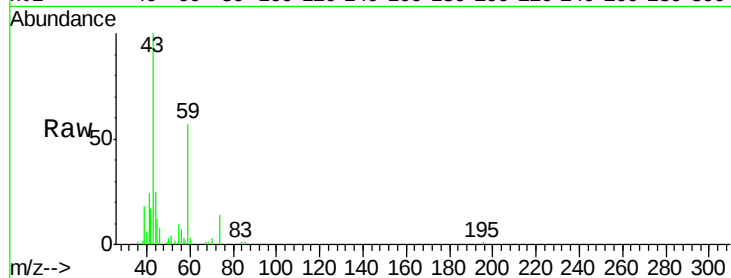




#17
tert-Butyl alcohol
Concen: 1.01 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

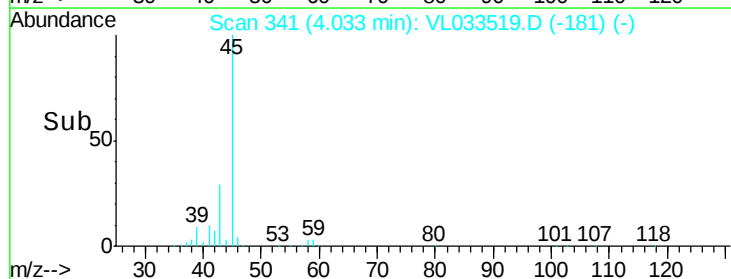
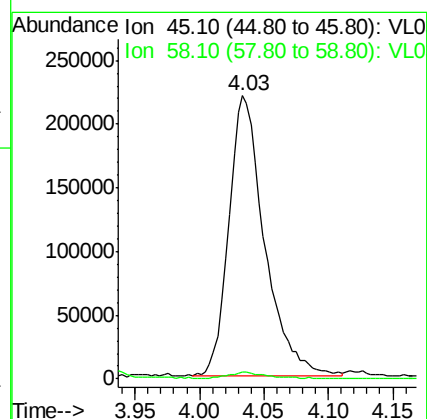
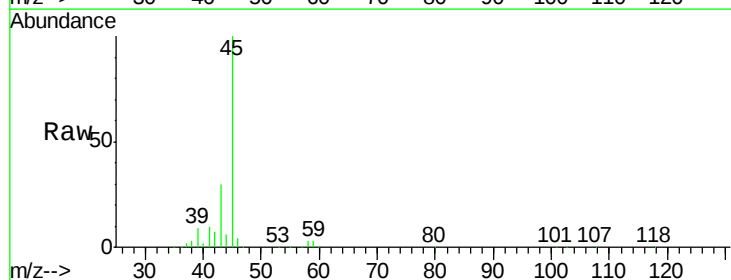
Instrument :
MSVOA_L
ClientSampled :

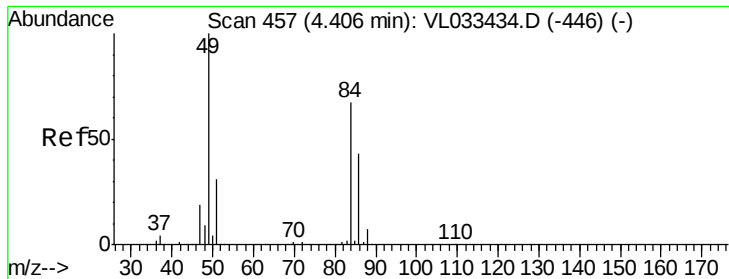
Tot Ion: 59 Resp: 19264
Ion Ratio Lower Upper
59 100
57 14.3 7.8 11.8#



#19
Isopropyl Alcohol
Concen: 6.46 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

Tgt Ion: 45 Resp: 425558
Ion Ratio Lower Upper
45 100
58 2.9 1.4 2.2#





#20

Methylene Chloride

Concen: 2.05 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 84 Resp: 90595

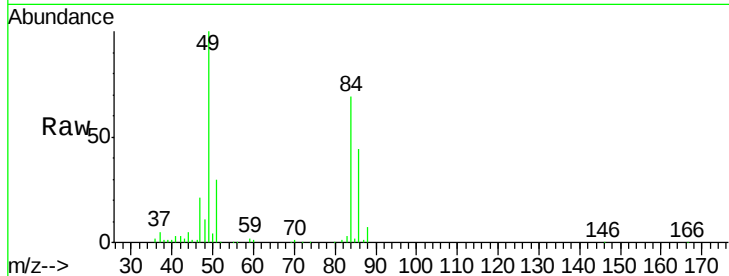
Ion Ratio Lower Upper

84 100

49 144.4 120.0 180.0

51 42.7 36.7 55.1

86 63.6 51.9 77.9

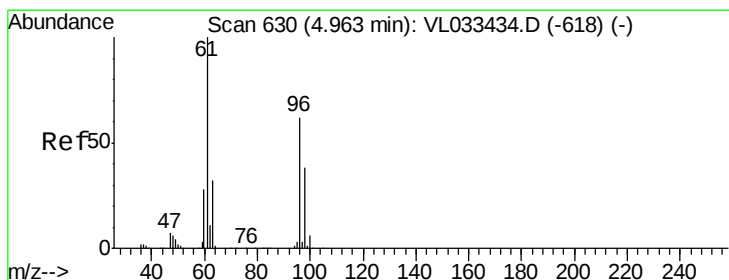
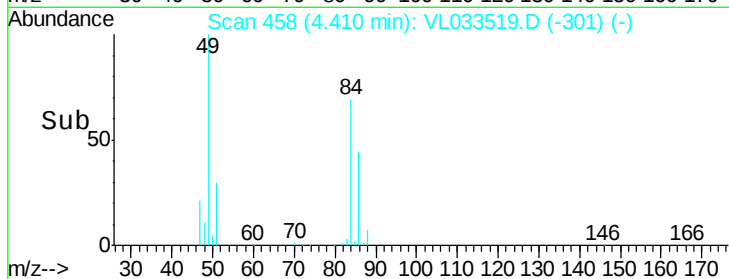
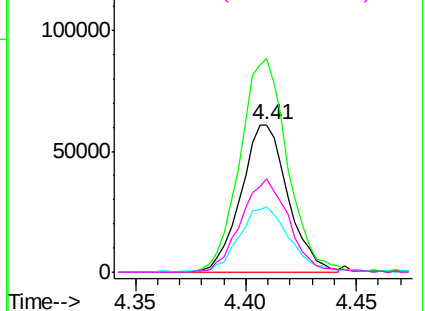


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#22

trans-1,2-Dichloroethene

Concen: 0.09 ppbv

RT: 4.96 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

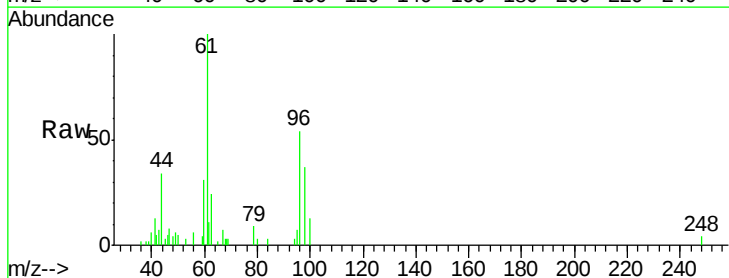
Tgt Ion: 96 Resp: 4429

Ion Ratio Lower Upper

96 100

61 188.3 128.9 193.3

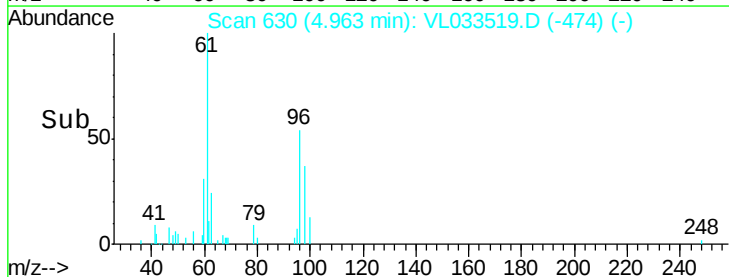
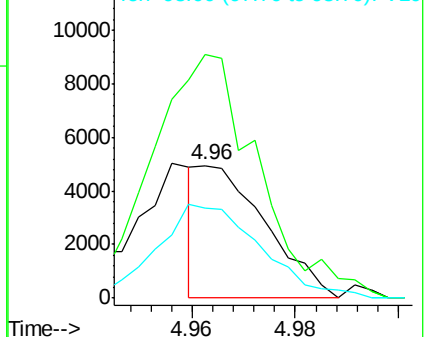
98 61.9 49.5 74.3

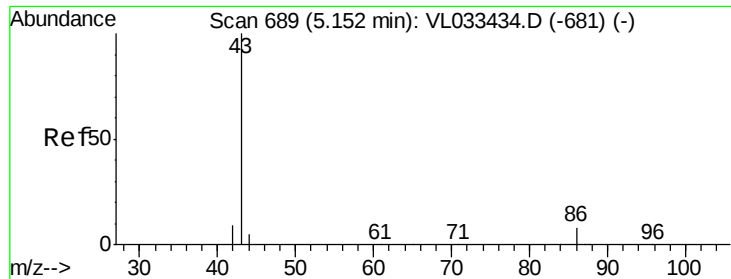


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.34 ppbv

RT: 5.14 min Scan# 685

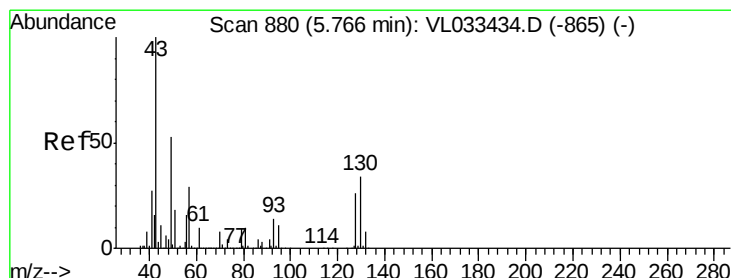
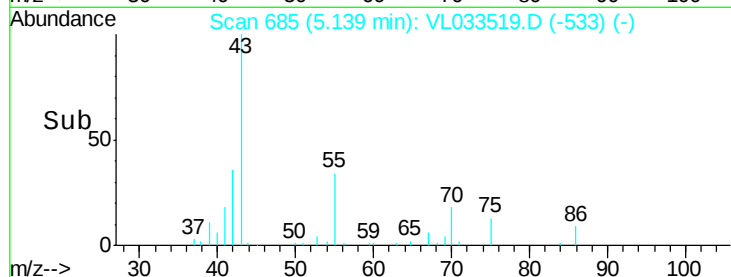
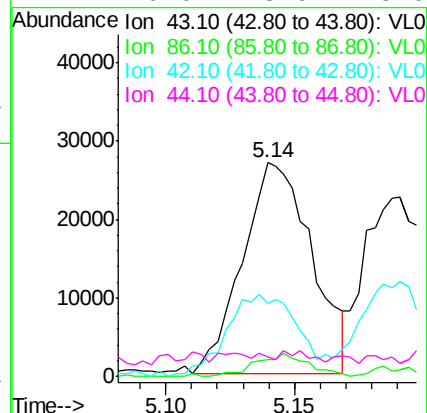
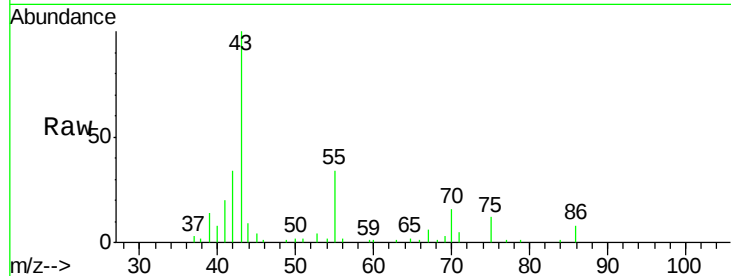
Delta R.T. -0.01 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	50552
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.6	8.4
42	30.0	8.0	12.0#
44	0.0	3.9	5.9#



#25

Ethyl Acetate

Concen: 1.13 ppbv

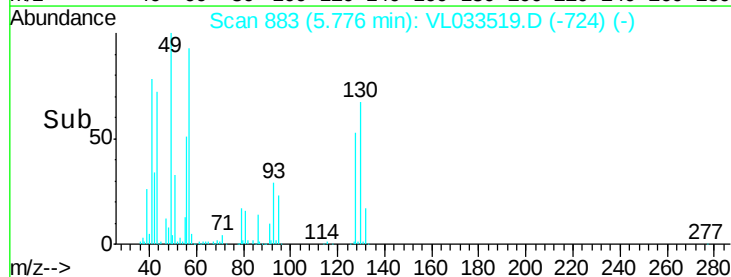
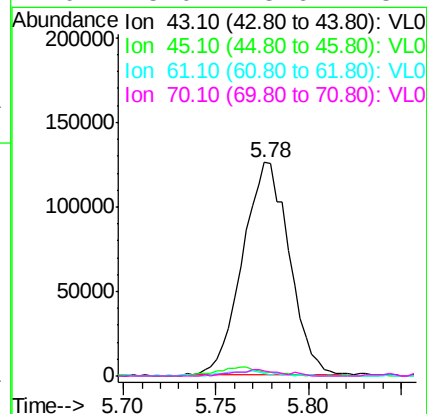
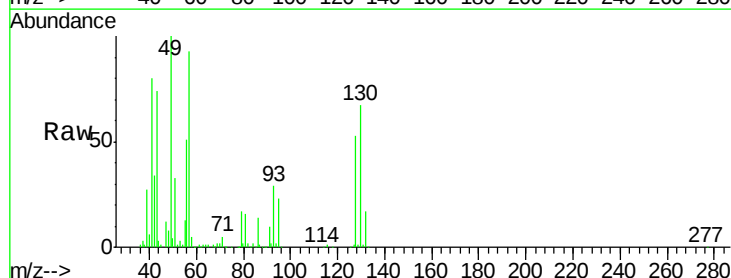
RT: 5.78 min Scan# 883

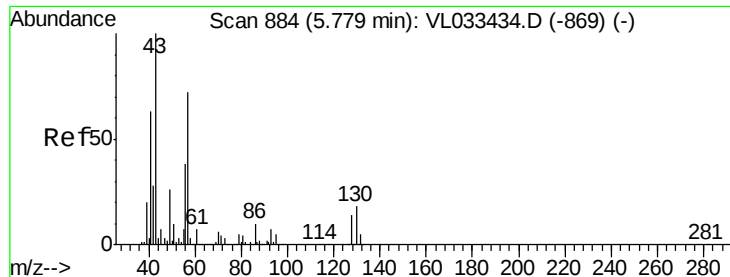
Delta R.T. 0.01 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Tgt Ion:	43	Resp:	218311
Ion	Ratio	Lower	Upper
43	100		
45	4.6	7.8	11.6#
61	2.7	7.3	10.9#
70	3.0	5.6	8.4#

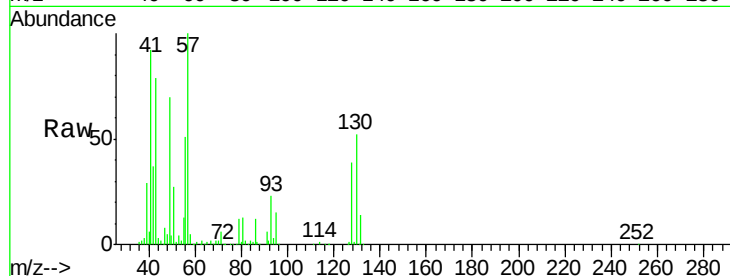




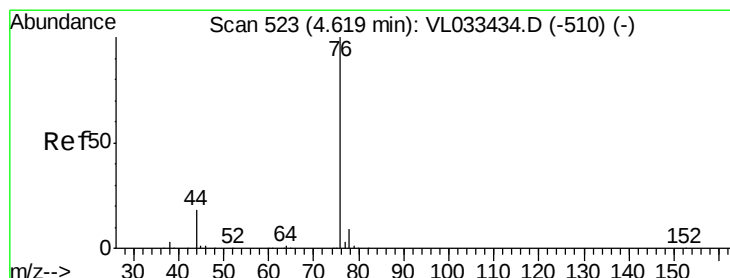
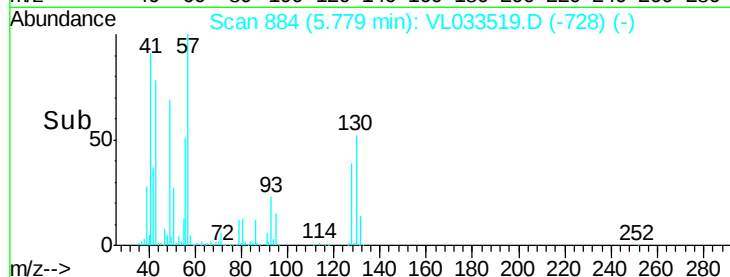
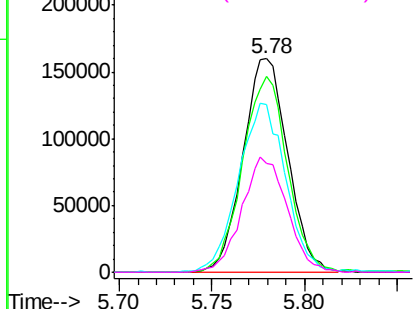
#26
Hexane
Concen: 3.13 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 268657
Ion Ratio Lower Upper
57 100
41 92.2 70.7 106.1
43 83.5 182.6 274.0#
56 54.4 42.0 63.0

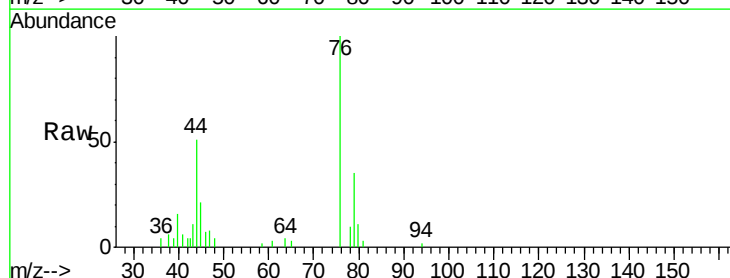


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

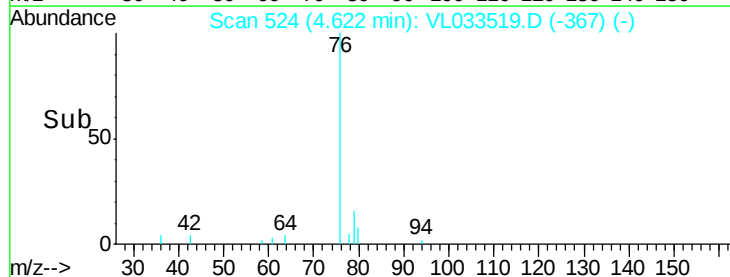
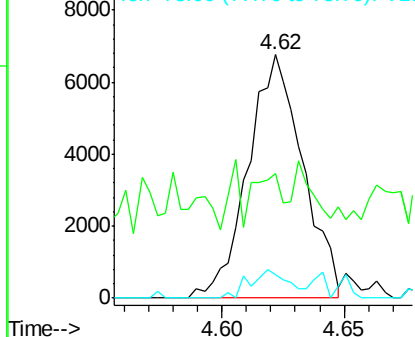


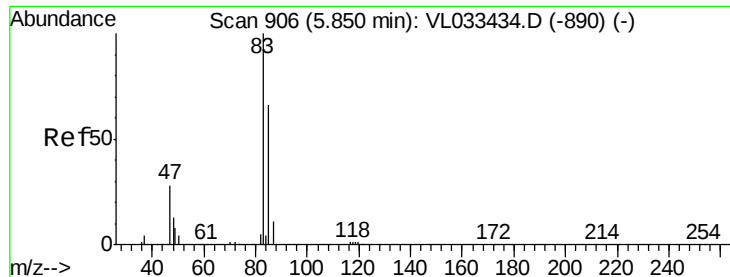
#27
Carbon Disulfide
Concen: 0.10 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

Tgt Ion: 76 Resp: 10525
Ion Ratio Lower Upper
76 100
44 30.6 14.8 22.2#
78 12.7 7.6 11.4#



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





#29

Chloroform

Concen: 1.14 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

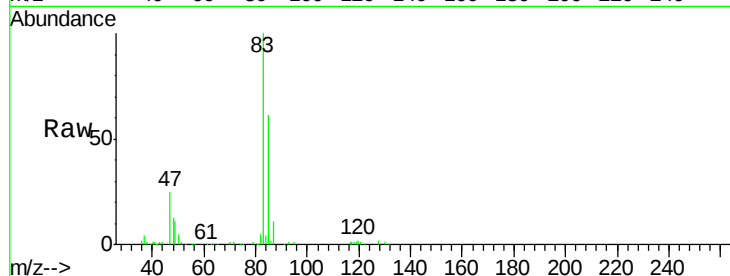
ClientSampled :

Tot Ion: 83 Resp: 167678

Ion Ratio Lower Upper

83 100

85 60.8 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.84

100000

80000

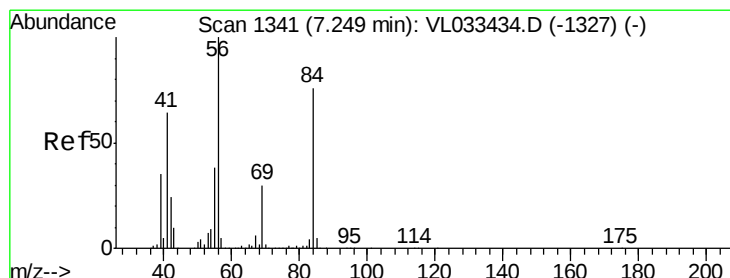
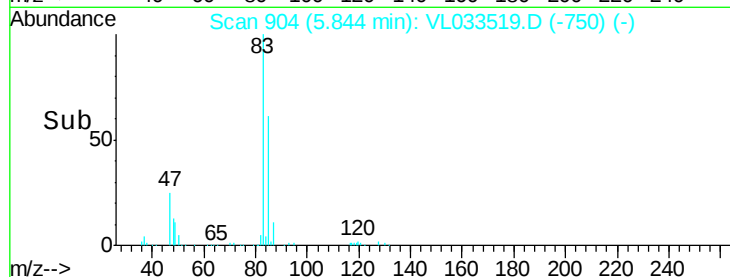
60000

40000

20000

0

Time-->



#30

Cyclohexane

Concen: 0.08 ppbv

RT: 7.24 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

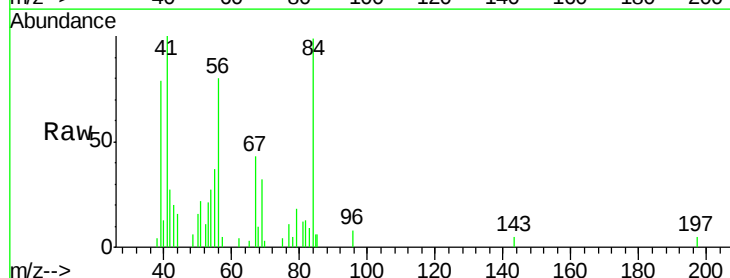
Tgt Ion: 84 Resp: 5664

Ion Ratio Lower Upper

84 100

56 0.0 109.7 164.5#

41 194.7 68.2 102.2#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

8000

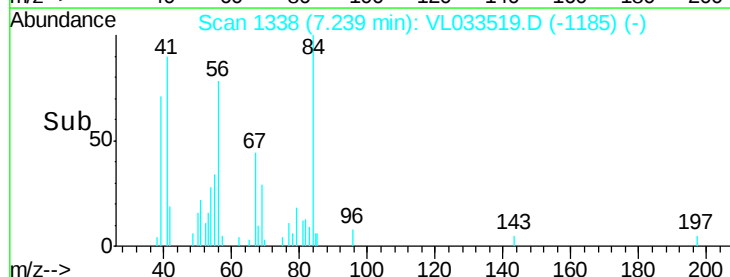
6000

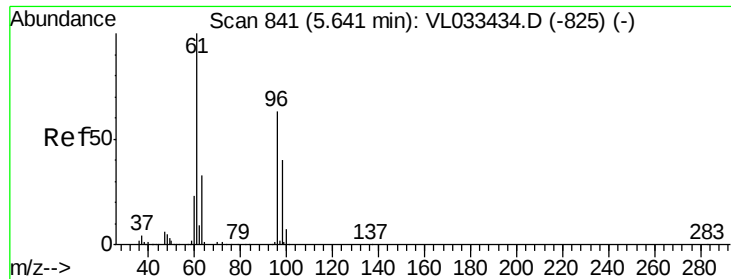
4000

2000

0

Time-->





#31

cis-1,2-Dichloroethene

Concen: 0.81 ppbv

RT: 5.64 min Scan# 840

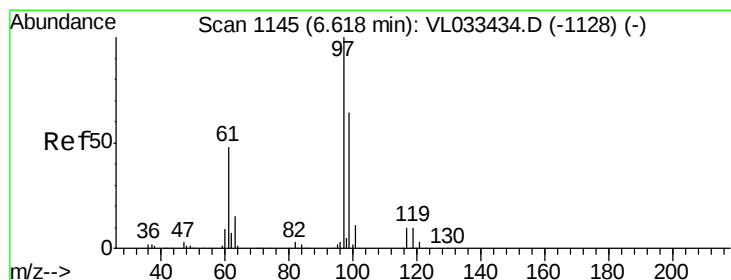
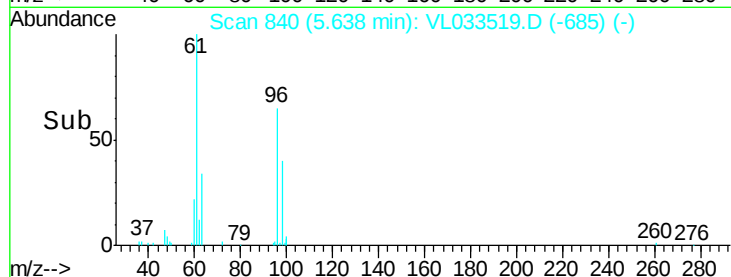
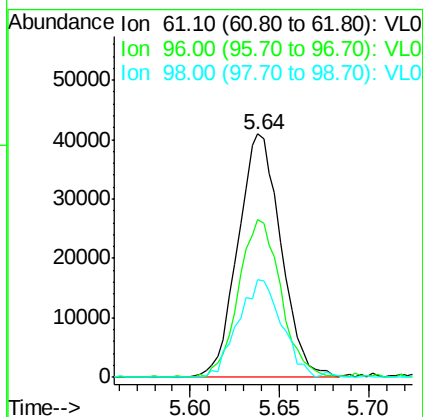
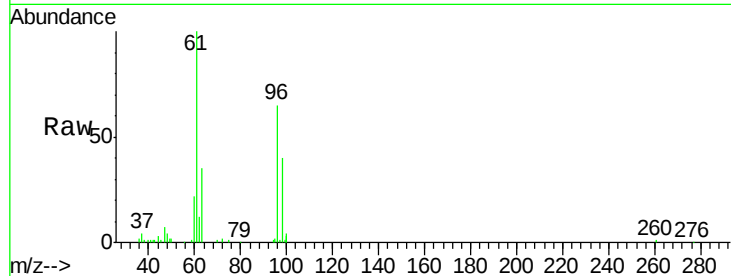
Delta R.T. -0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	61	Resp:	69026
Ion	Ratio	Lower	Upper
61	100		
96	64.6	50.6	76.0
98	40.0	32.2	48.2



#32

1,1,1-Trichloroethane

Concen: 0.03 ppbv

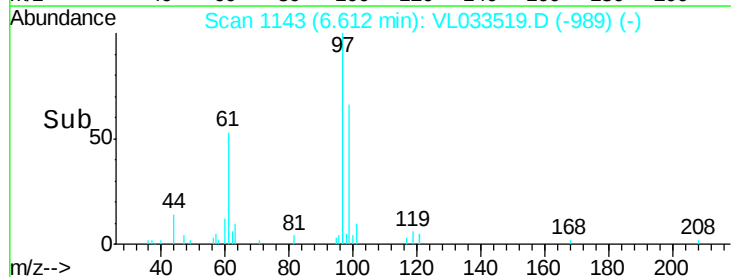
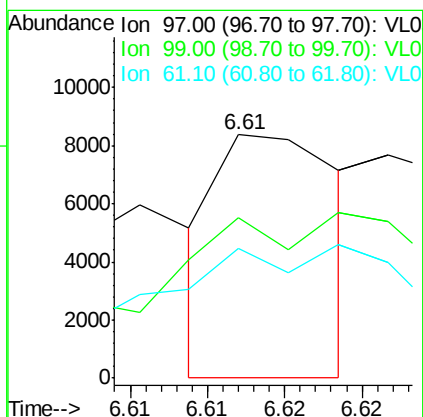
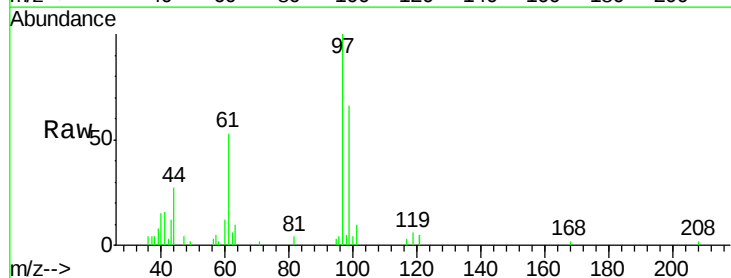
RT: 6.61 min Scan# 1143

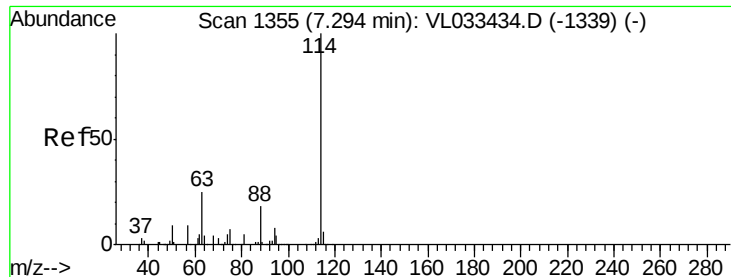
Delta R.T. -0.01 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Tgt Ion:	97	Resp:	4586
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	0.0	38.8	58.2#

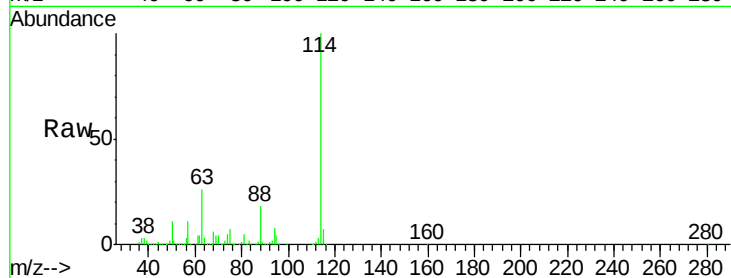




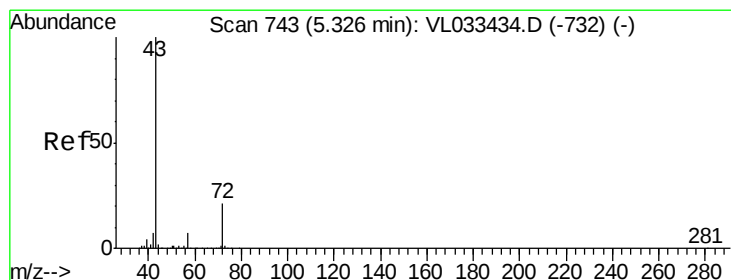
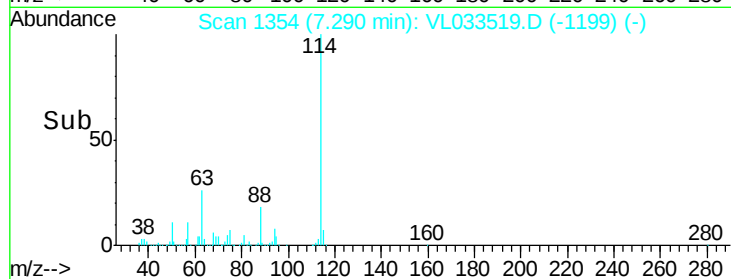
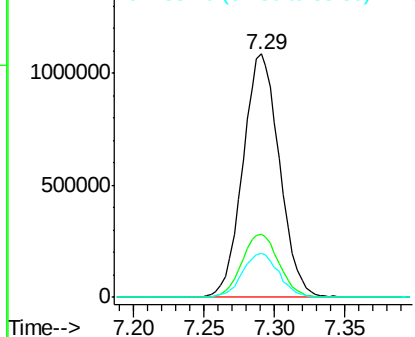
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033519.D
 Acq: 30 Mar 2019 2:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1974555
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.5 32.3
 88 18.1 14.5 21.7

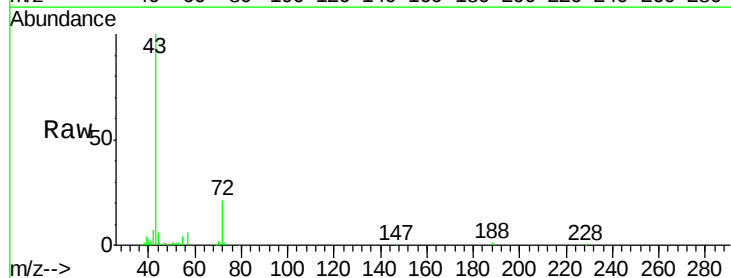


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

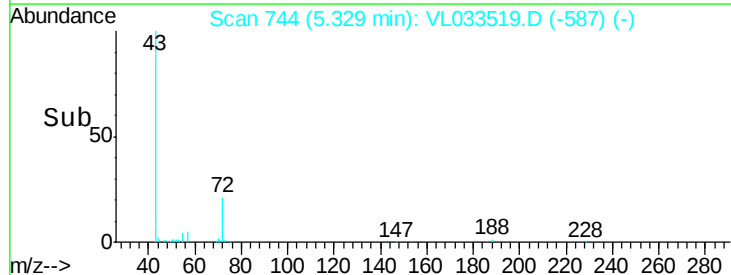
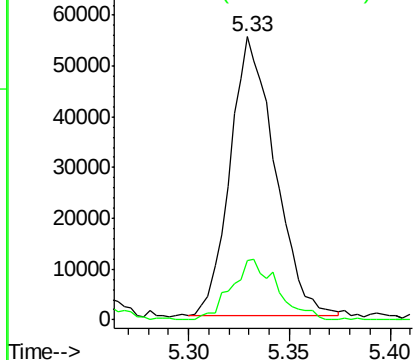


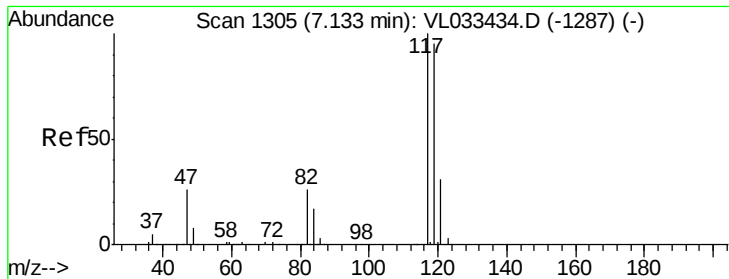
#34
 2-Butanone
 Concen: 0.72 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033519.D
 Acq: 30 Mar 2019 2:17

Tgt Ion: 43 Resp: 85668
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.4 26.2



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

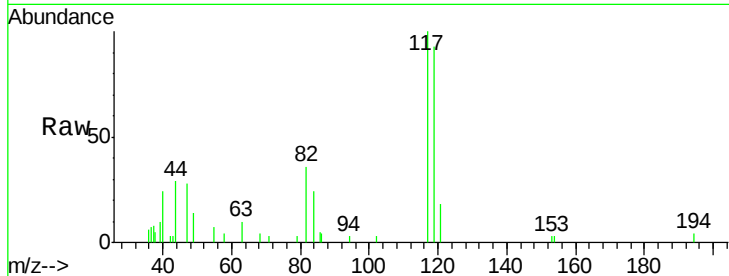




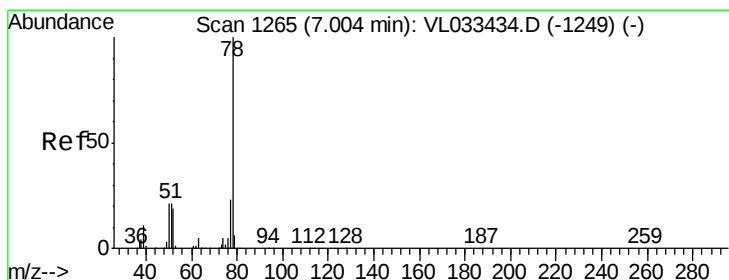
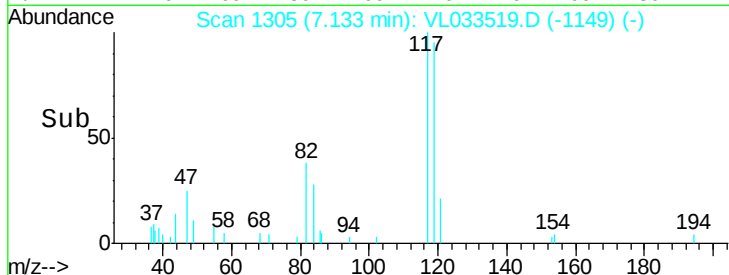
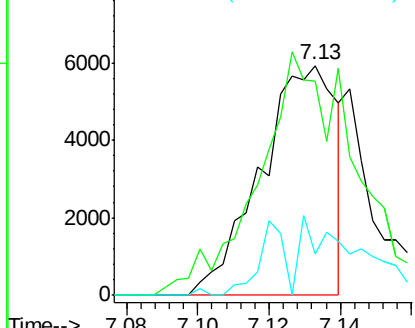
#35
Carbon Tetrachloride
Concen: 0.06 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 8654
Ion Ratio Lower Upper
117 100
119 86.0 75.8 113.8
121 17.9 24.7 37.1#

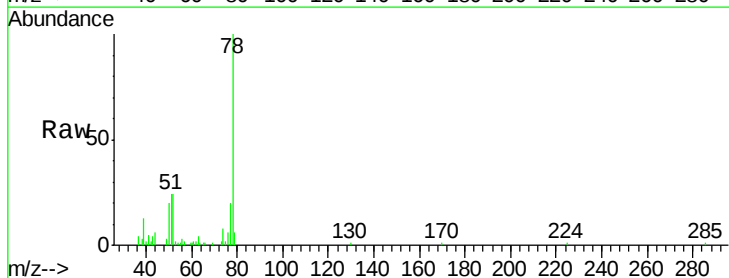


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

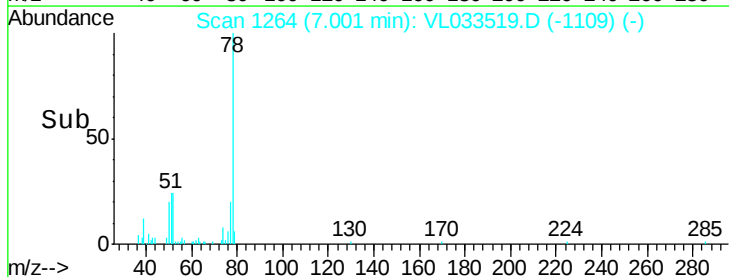
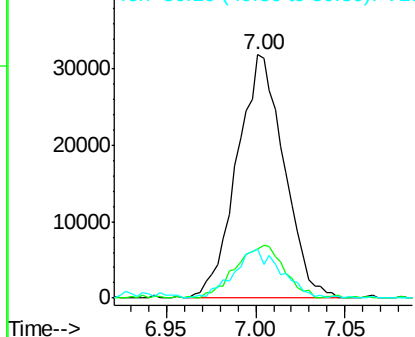


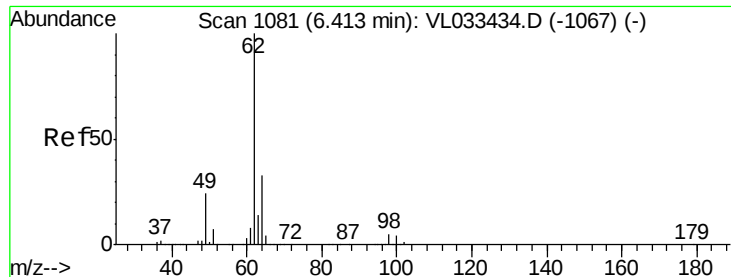
#36
Benzene
Concen: 0.35 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

Tgt Ion: 78 Resp: 58521
Ion Ratio Lower Upper
78 100
77 19.6 18.1 27.1
50 20.3 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





#37

1,2-Dichloroethane

Concen: 0.04 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

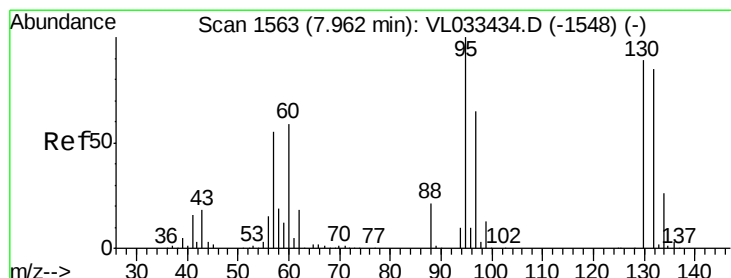
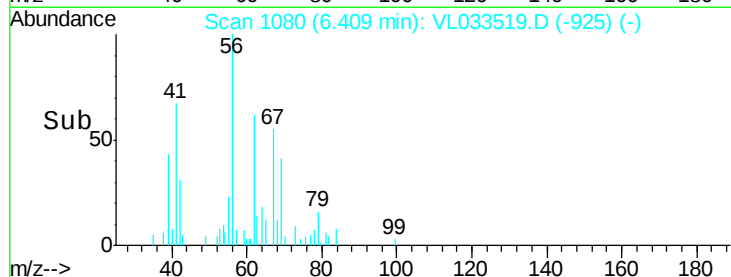
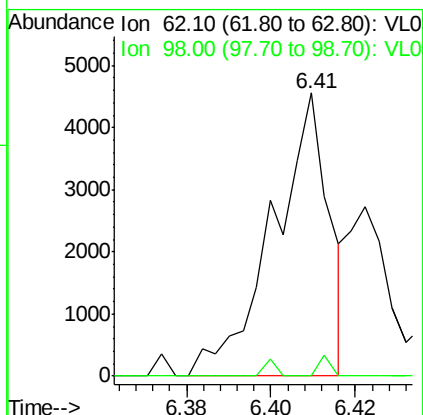
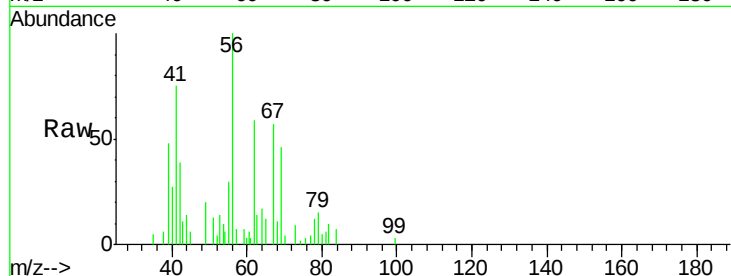
ClientSampled :

Tot Ion: 62 Resp: 4193

Ion Ratio Lower Upper

62 100

98 2.8 4.4 6.6#



#38

Trichloroethene

Concen: 12.35 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Tgt Ion: 130 Resp: 769851

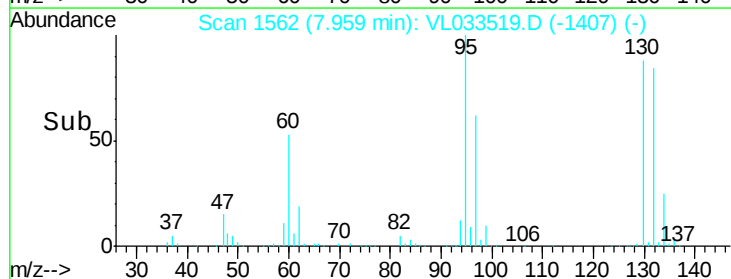
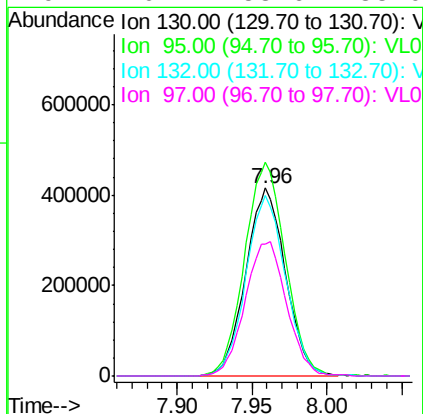
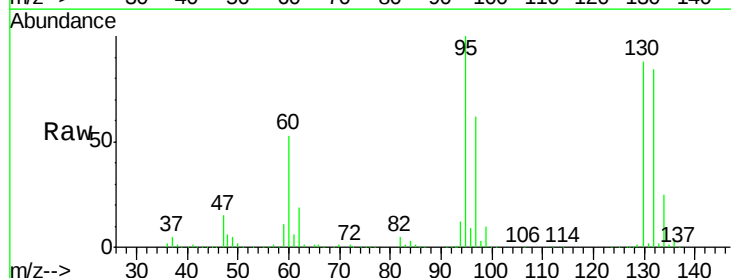
Ion Ratio Lower Upper

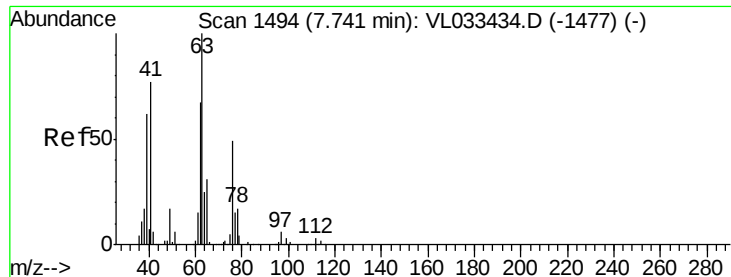
130 100

95 113.6 89.8 134.8

132 95.8 76.6 115.0

97 70.2 58.6 88.0





#39

1,2-Dichloropropane

Concen: 7.96 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.45 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

ClientSampleId :

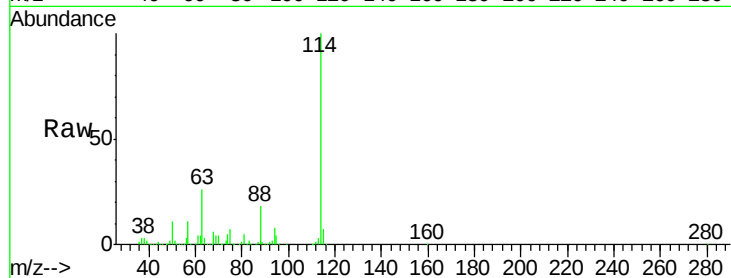
Tot Ion: 63 Resp: 516874

Ion Ratio Lower Upper

63 100

41 0.0 61.2 91.8#

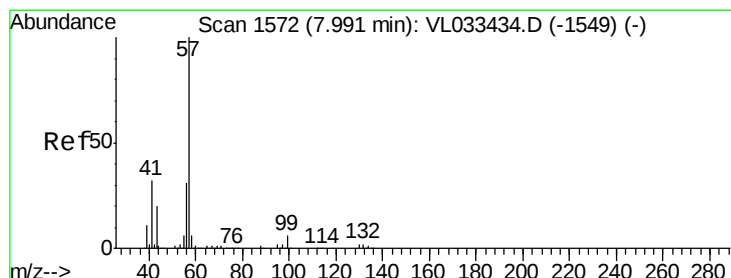
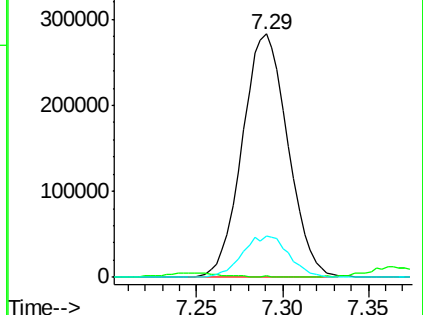
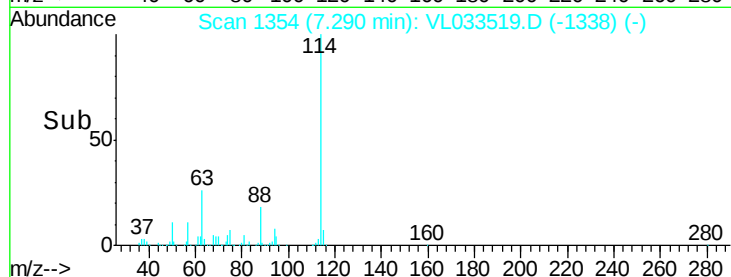
62 16.9 54.0 81.0#



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



#44

2,2,4-Trimethylpentane

Concen: 0.25 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

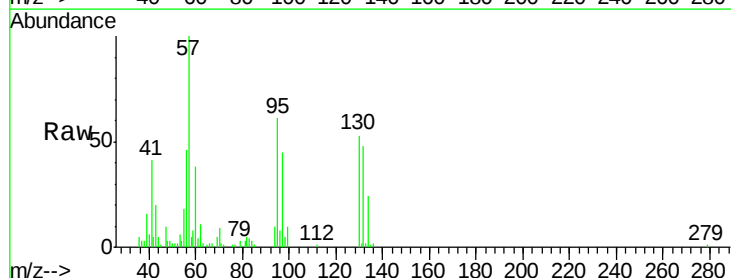
Tgt Ion: 57 Resp: 72879

Ion Ratio Lower Upper

57 100

41 49.8 26.0 39.0#

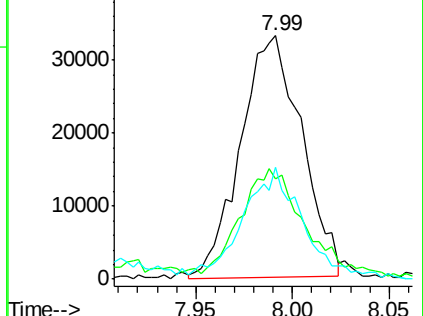
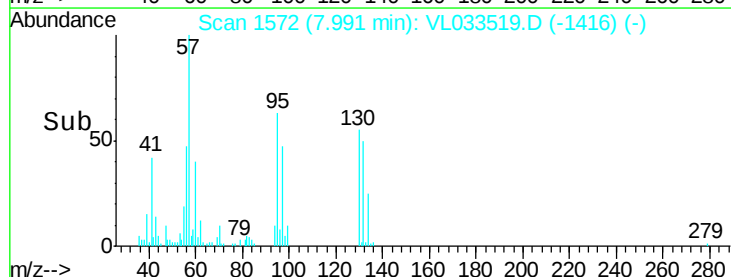
56 45.9 24.6 37.0#

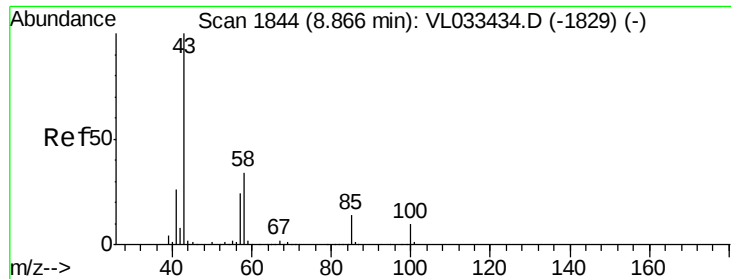


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

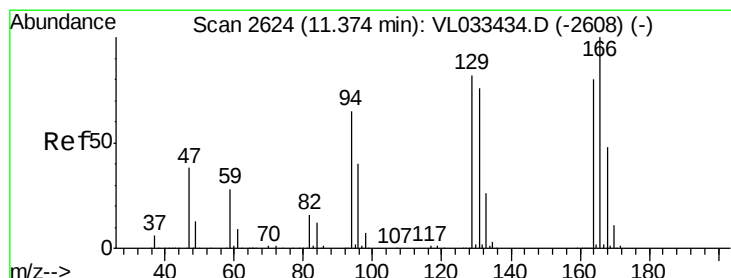
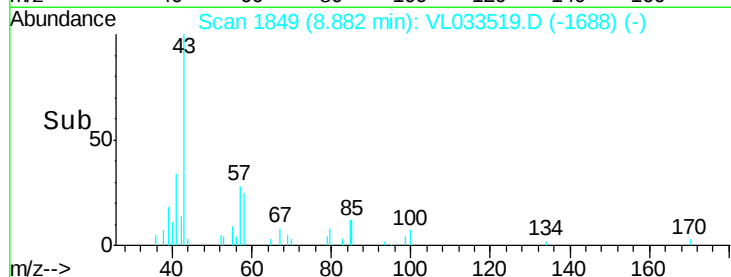
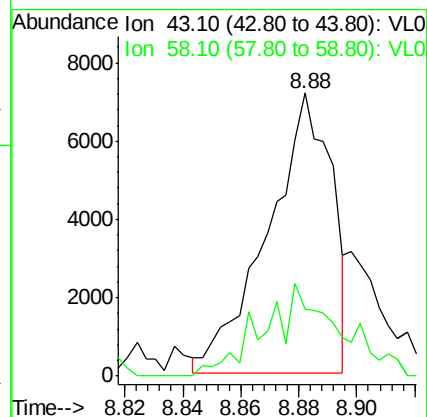
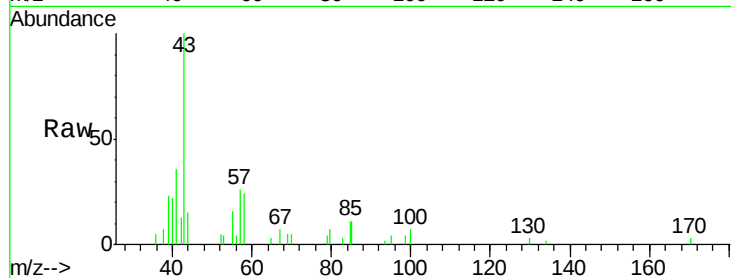




#50
4-Methyl-2-Pentanone
Concen: 0.06 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.02 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

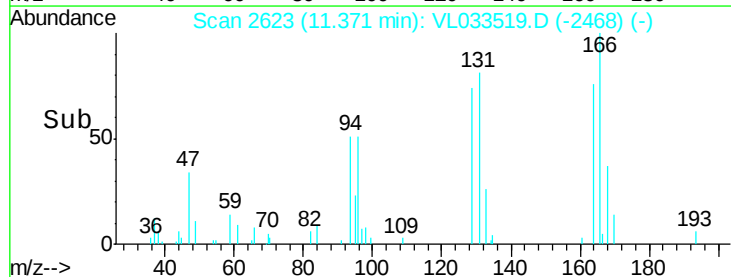
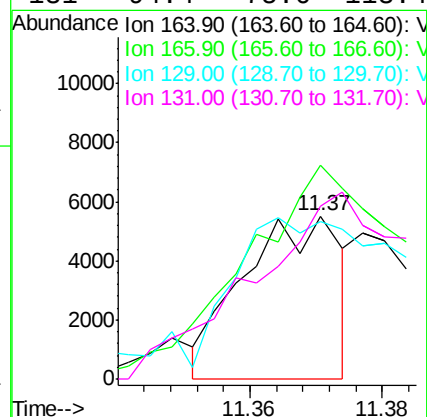
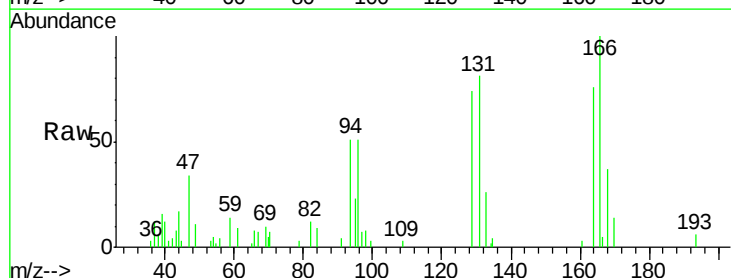
Instrument :
MSVOA_L
ClientSampleId :

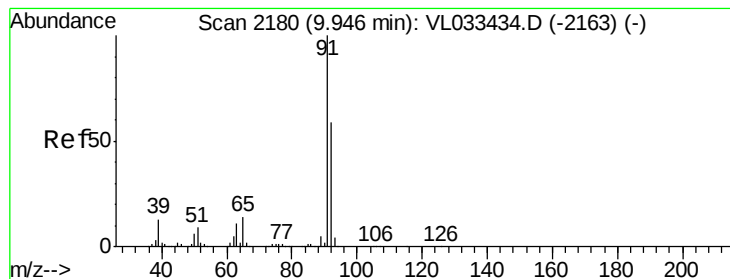
Tot Ion: 43 Resp: 10903
Ion Ratio Lower Upper
43 100
58 39.8 28.0 42.0



#52
Tetrachloroethene
Concen: 0.09 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

Tgt Ion: 164 Resp: 5598
Ion Ratio Lower Upper
164 100
166 130.1 99.5 149.3
129 111.6 81.4 122.2
131 94.4 75.6 113.4





#53

Toluene

Concen: 3.68 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

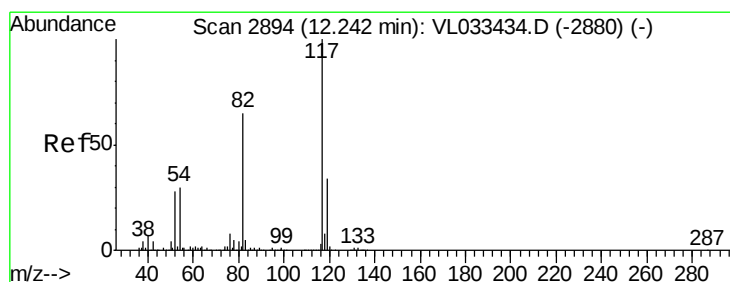
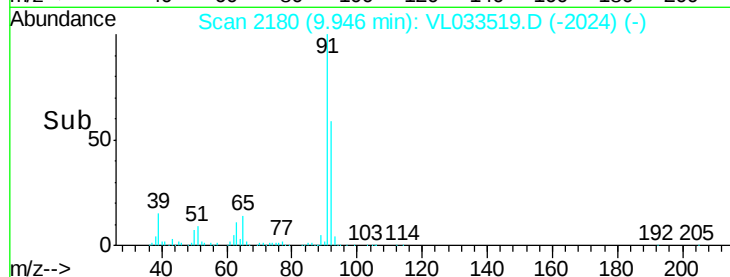
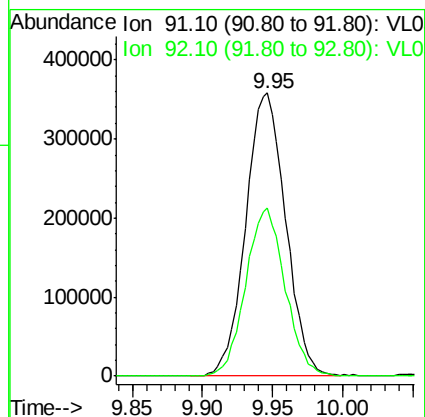
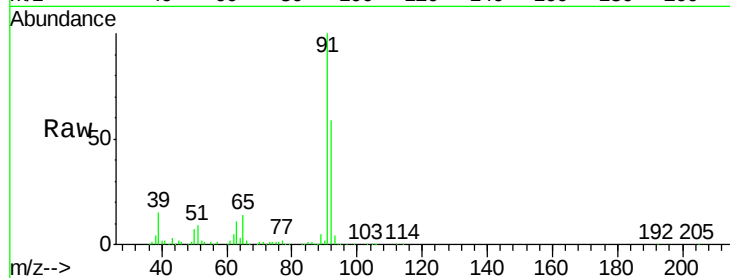
ClientSampleId :

Tot Ion: 91 Resp: 709265

Ion Ratio Lower Upper

91 100

92 58.7 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: VL033519.D

Acq: 30 Mar 2019 2:17

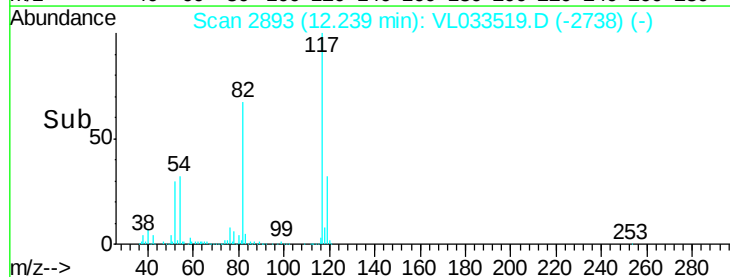
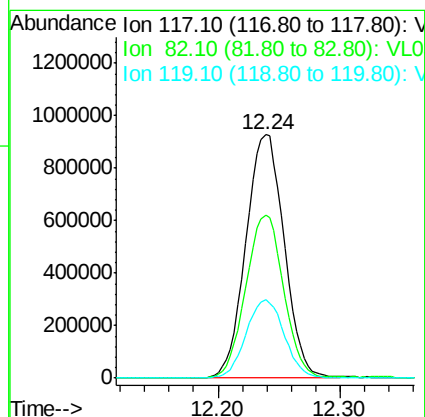
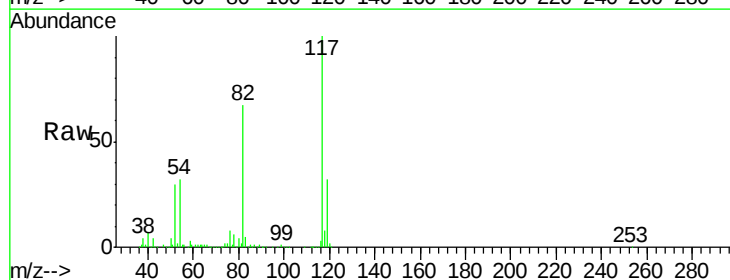
Tgt Ion: 117 Resp: 2009578

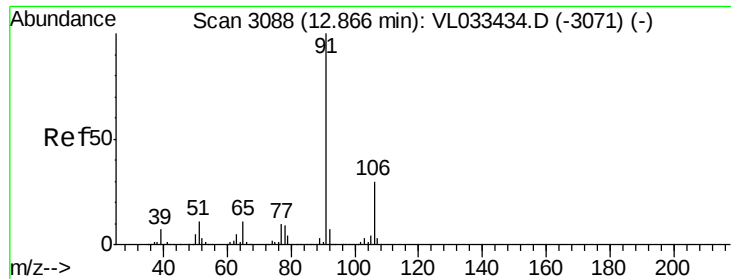
Ion Ratio Lower Upper

117 100

82 66.6 51.5 77.3

119 32.1 25.5 38.3





#58

Ethyl Benzene

Concen: 0.13 ppbv

RT: 12.86 min Scan# 3086

Delta R.T. -0.01 min

Lab File: VL033519.D

Acq: 30 Mar 2019 2:17

Instrument :

MSVOA_L

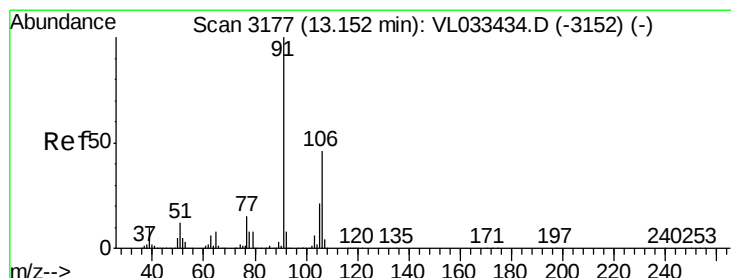
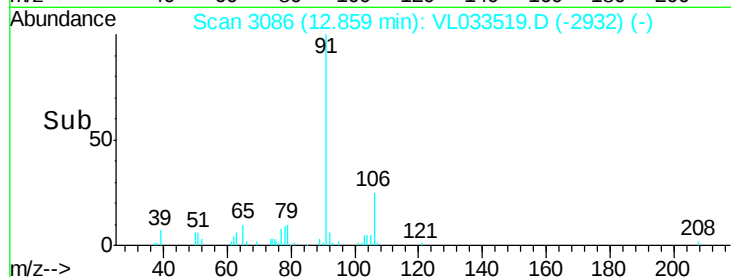
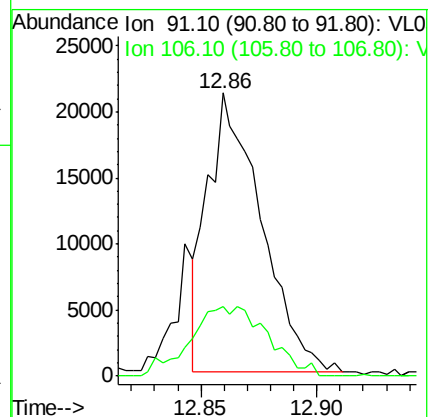
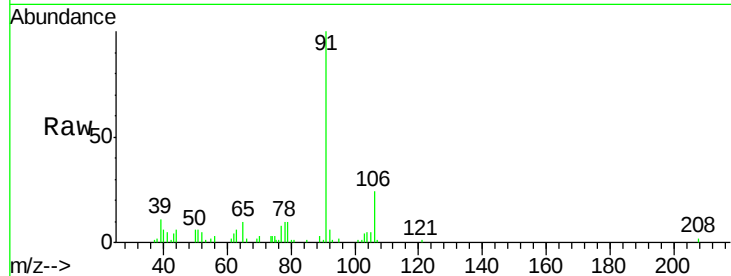
ClientSampled :

Tot Ion: 91 Resp: 33743

Ion Ratio Lower Upper

91 100

106 25.8 23.8 35.6



#59

m/p-Xylene

Concen: 0.10 ppbv

RT: 13.15 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VL033519.D

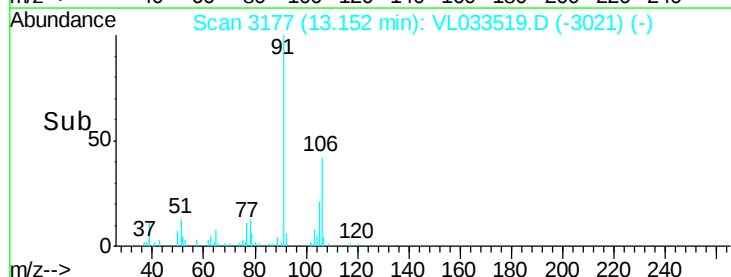
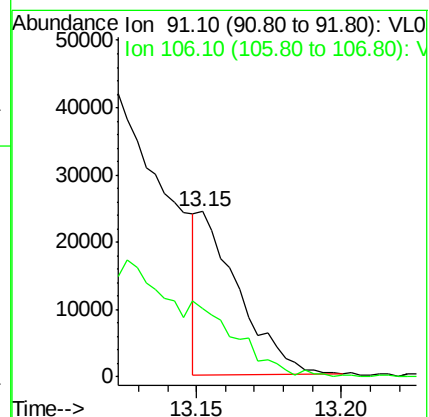
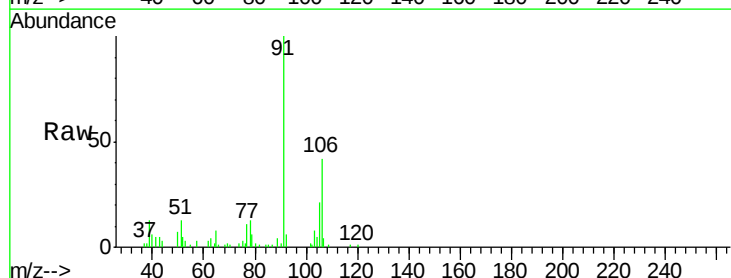
Acq: 30 Mar 2019 2:17

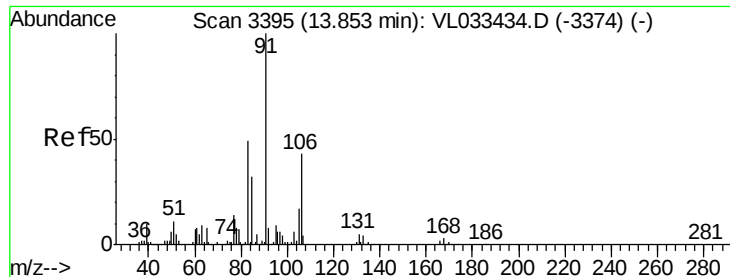
Tgt Ion: 91 Resp: 23410

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0

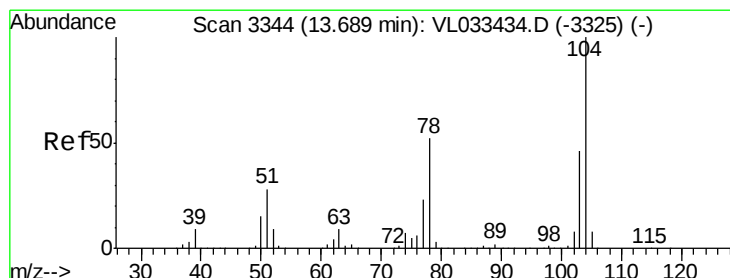
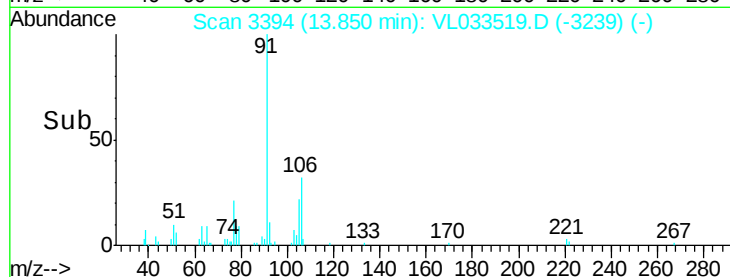
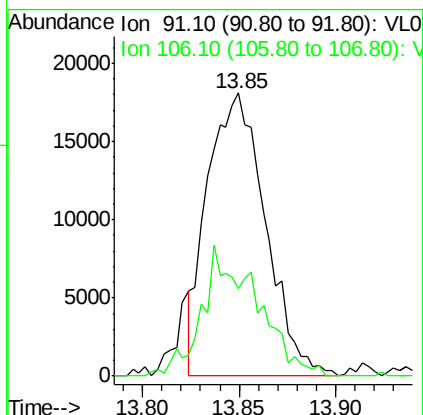
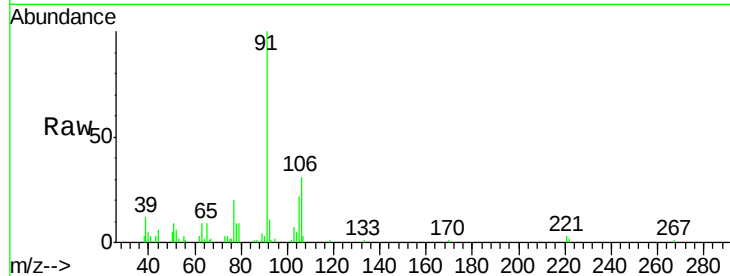




#60
o-Xylene
Concen: 0.16 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

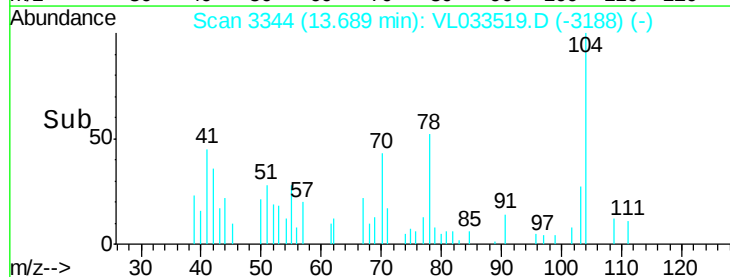
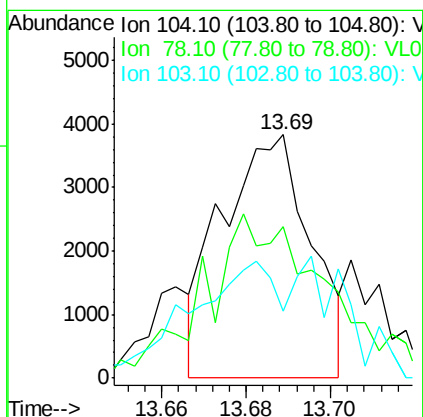
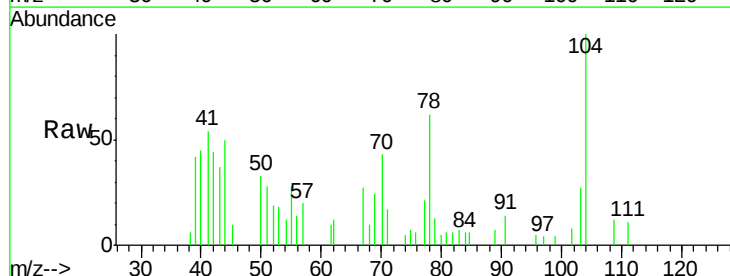
Instrument :
MSVOA_L
ClientSampled :

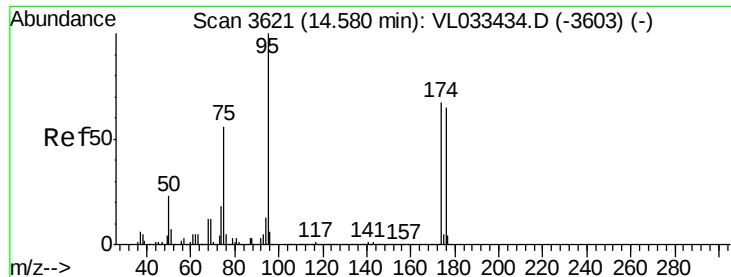
Tot Ion: 91 Resp: 37686
Ion Ratio Lower Upper
91 100
106 43.8 21.4 64.3



#61
Styrene
Concen: 0.04 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033519.D
Acq: 30 Mar 2019 2:17

Tgt Ion: 104 Resp: 5624
Ion Ratio Lower Upper
104 100
78 95.7 43.2 64.8#
103 78.8 37.8 56.8#

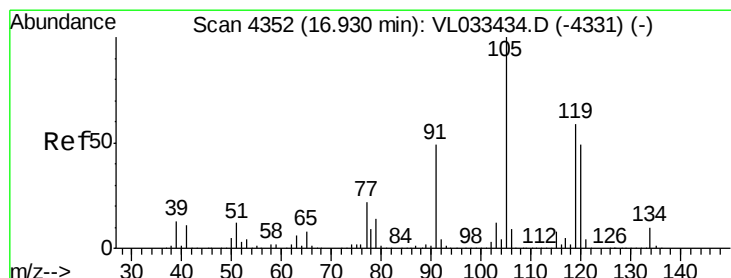
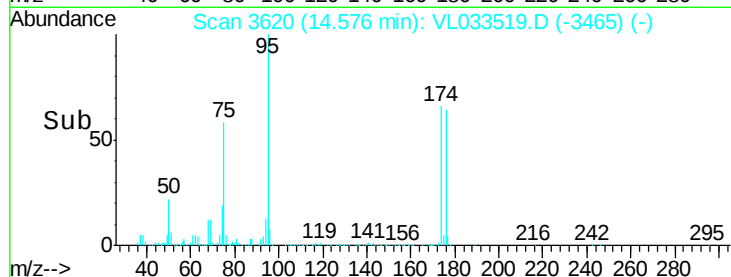
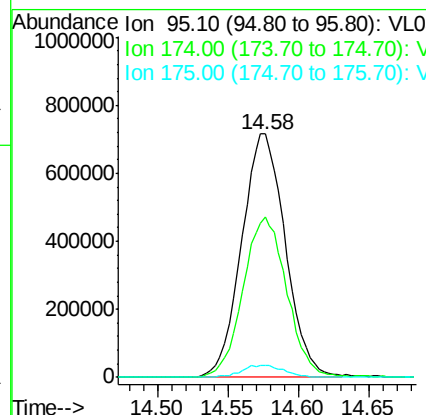
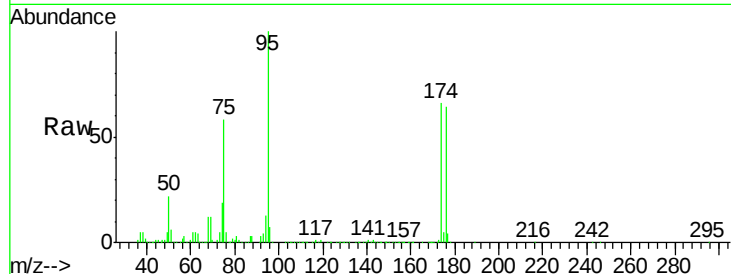




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.87 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033519.D
 Acq: 30 Mar 2019 2:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 1554426
 Ion Ratio Lower Upper
 95 100
 174 65.9 52.9 79.3
 175 4.9 3.8 5.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.05 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL033519.D
 Acq: 30 Mar 2019 2:17

Tgt Ion: 105 Resp: 12207
 Ion Ratio Lower Upper
 105 100
 120 42.8 39.0 58.6
 91 14.9 40.0 60.0#
 77 17.7 17.5 26.3

