

Data File : VL033552.D
Acq On : 5 Apr 2019 3:30
Operator : SY/AP
Sample : K2226-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Apr 05 06:44:28 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	1075275	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2399046	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2607363	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2187839	10.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	46298	0.295	ppbv	93
3) Chlorodifluoromethane	3.01	51	21822	0.176	ppbv #	89
4) Chloromethane	3.16	50	11810	0.180	ppbv	93
9) Propene	3.04	41	399168	7.678	ppbv	89
10) Heptane	8.24	43	103587	0.745	ppbv	100
11) Trichlorofluoromethane	4.00	101	25543	0.132	ppbv	94
13) Ethanol	3.65	45	374055	27.805	ppbv	65
15) Acetone	3.89	43	7605987	58.828	ppbv	95
16) 1,3-Butadiene	3.34	39	489185	9.539	ppbv #	15
17) tert-Butyl alcohol	4.36	59	210861	8.870	ppbv #	94
19) Isopropyl Alcohol	4.03	45	23305	0.285	ppbv #	95
20) Methylene Chloride	4.41	84	350368	6.384	ppbv	97
21) Allyl Chloride	4.43	41	11573	0.142	ppbv #	12
23) Vinyl Acetate	5.14	43	67491	0.367	ppbv #	6
25) Ethyl Acetate	5.77	43	908812	3.789	ppbv	98
26) Hexane	5.78	57	488964	4.584	ppbv	81
27) Carbon Disulfide	4.62	76	13097	0.103	ppbv #	9
29) Chloroform	5.85	83	42763	0.234	ppbv	100
30) Cyclohexane	7.24	84	3235	0.038	ppbv #	1
31) cis-1,2-Dichloroethene	5.76	61	71308	0.672	ppbv #	30
34) 2-Butanone	5.33	43	215214	1.493	ppbv	98
36) Benzene	7.00	78	62491	0.310	ppbv #	91
39) 1,2-Dichloropropane	7.29	63	626480	7.945	ppbv #	23
41) Tetrahydrofuran	6.07	42	11936	0.151	ppbv #	51
50) 4-Methyl-2-Pentanone	8.88	43	21908	0.104	ppbv #	54
51) 2-Hexanone	10.18	43	47802	0.304	ppbv #	54
52) Tetrachloroethene	11.37	164	3833	0.050	ppbv #	66
53) Toluene	9.94	91	708560	3.029	ppbv	99
58) Ethyl Benzene	12.86	91	259266	0.745	ppbv	100
59) m/p-Xylene	13.12	91	651667	2.095	ppbv #	100
60) o-Xylene	13.84	91	211211	0.702	ppbv	100
61) Styrene	13.68	104	79649	0.386	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.84	83	84828	0.383	ppbv #	28
64) n-propylbenzene	15.71	120	25043	0.232	ppbv #	33
70) n-Butylbenzene	18.73	91	39503	0.086	ppbv #	33
72) 4-Ethyltoluene	16.00	105	74920	0.222	ppbv #	86
73) 1,3,5-Trimethylbenzene	16.15	105	30647	0.095	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.93	105	212824	0.614	ppbv #	69
75) 1,3-Dichlorobenzene	17.17	146	63407	0.296	ppbv #	62
76) 1,4-Dichlorobenzene	17.17	146	63407	0.304	ppbv #	77
79) Naphthalene	22.42	128	37135	0.125	ppbv #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\
Quantitation Report (Not Reviewed)

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

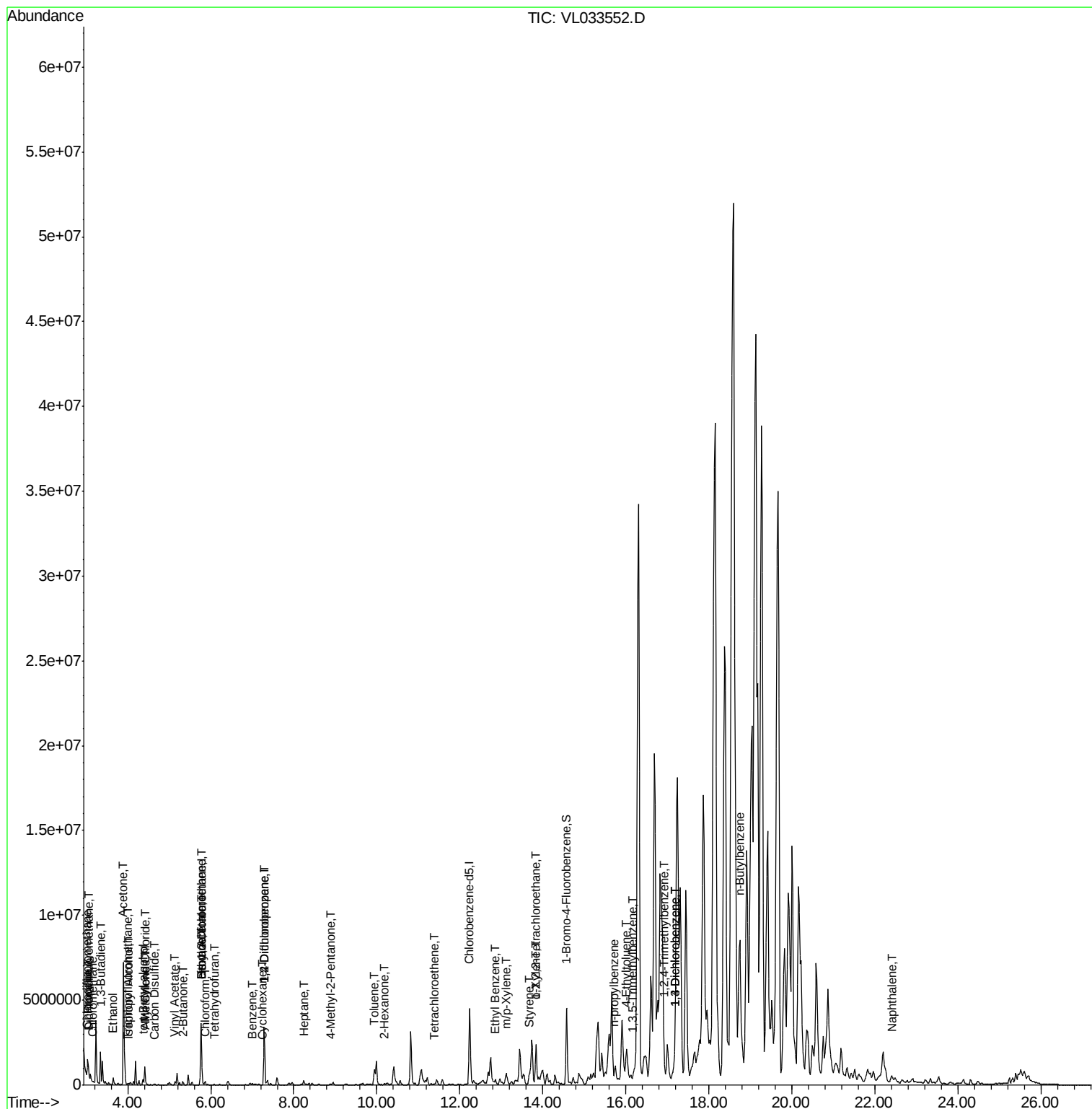
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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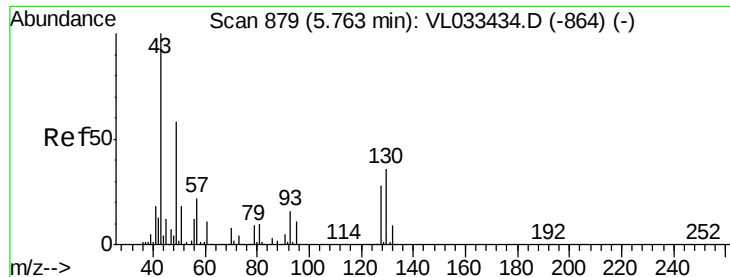
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

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MSVOA_L

ClientSampleId :

SV2

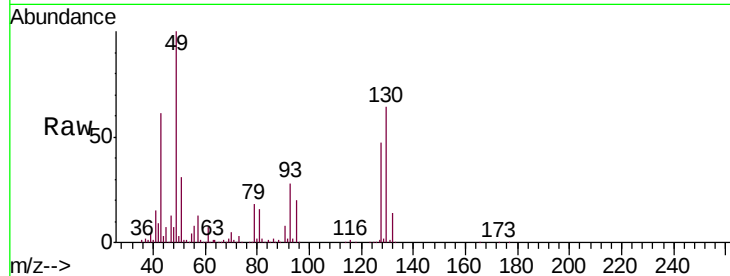
Tgt Ion: 49 Resp: 1075275

Ion Ratio Lower Upper

49 100

128 49.3 24.0 72.0

130 63.5 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

5.76

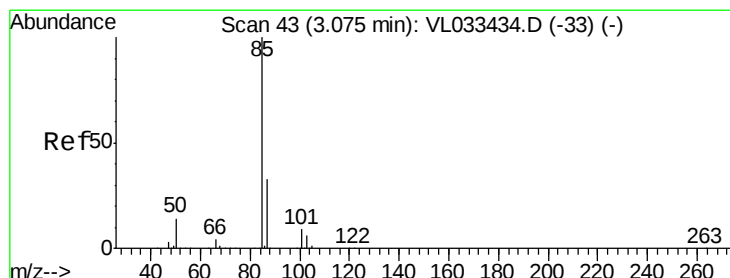
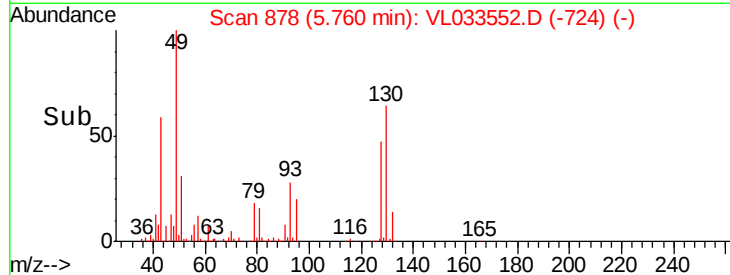
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.295 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033552.D

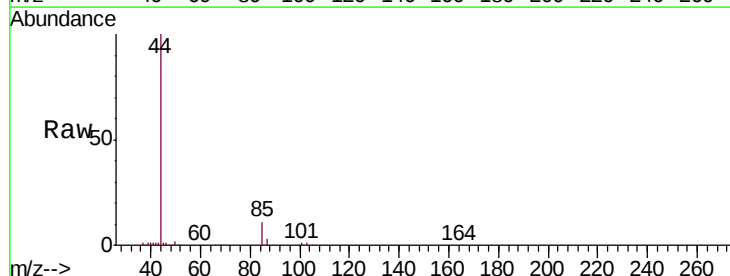
Acq: 5 Apr 2019 3:30

Tgt Ion: 85 Resp: 46298

Ion Ratio Lower Upper

85 100

87 29.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.07

40000

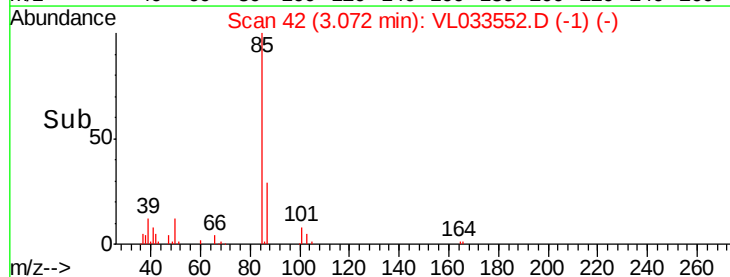
30000

20000

10000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.176 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleId :

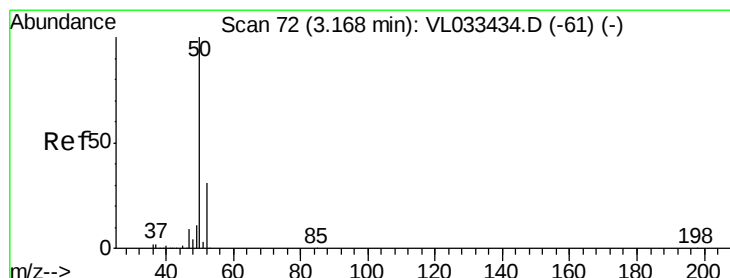
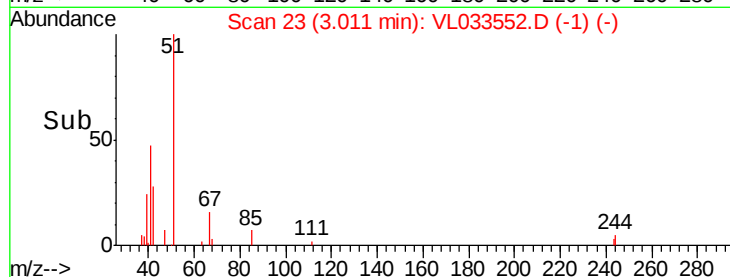
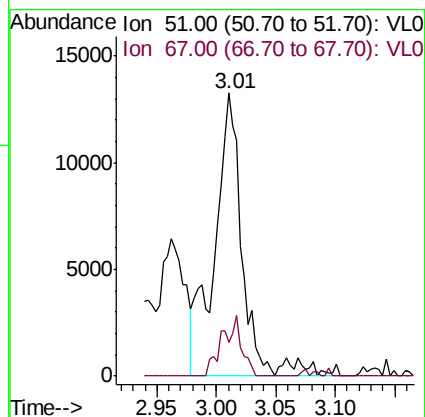
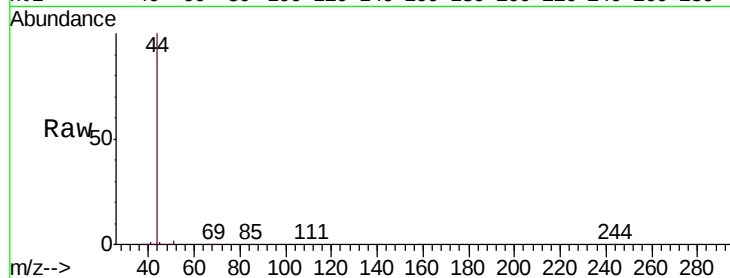
SV2

Tgt Ion: 51 Resp: 21822

Ion Ratio Lower Upper

51 100

67 14.8 15.7 23.5#



#4

Chloromethane

Concen: 0.180 ppbv

RT: 3.16 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033552.D

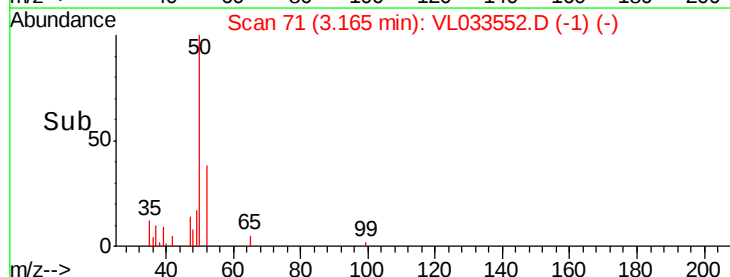
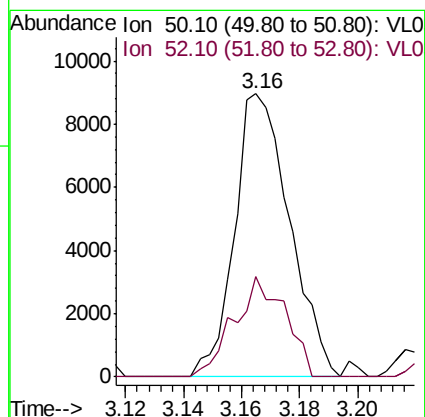
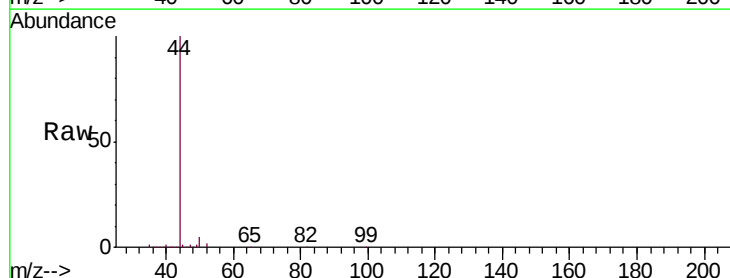
Acq: 5 Apr 2019 3:30

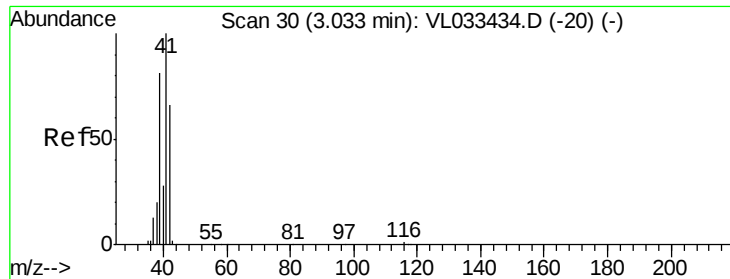
Tgt Ion: 50 Resp: 11810

Ion Ratio Lower Upper

50 100

52 35.4 25.0 37.6





#9

Propene

Concen: 7.678 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampled :

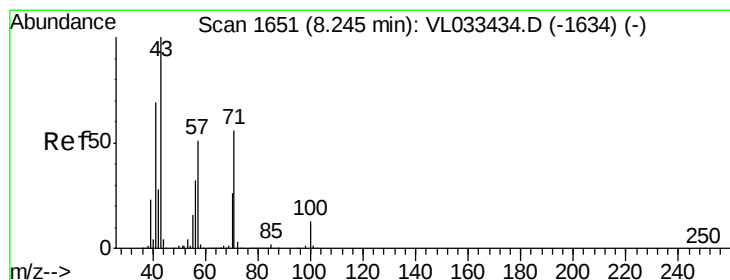
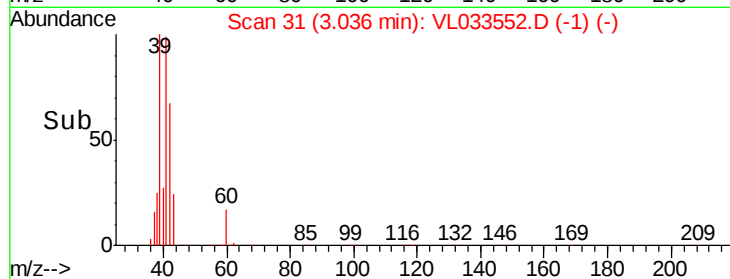
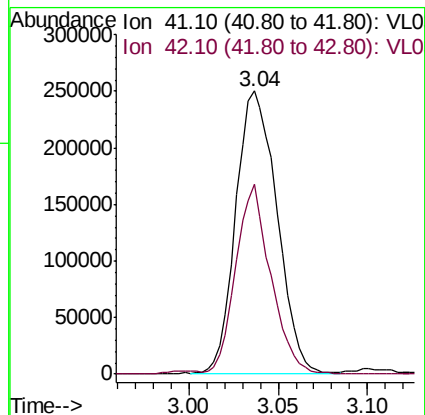
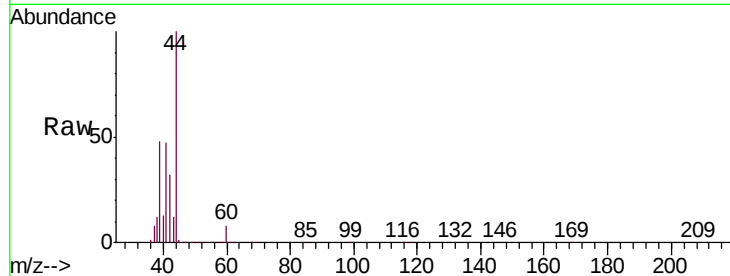
SV2

Tgt Ion: 41 Resp: 399168

Ion Ratio Lower Upper

41 100

42 58.8 53.9 80.9



#10

Heptane

Concen: 0.745 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033552.D

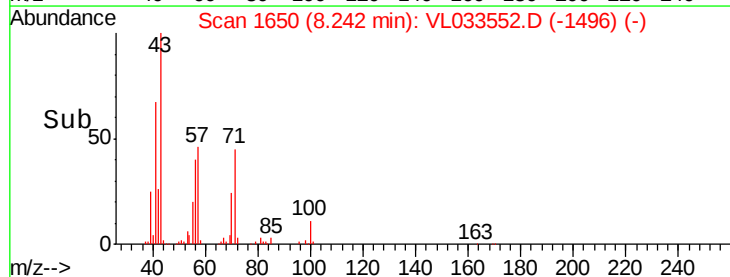
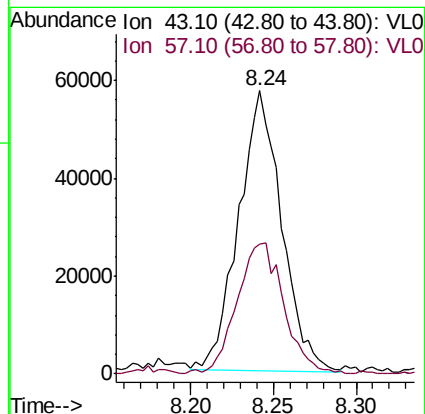
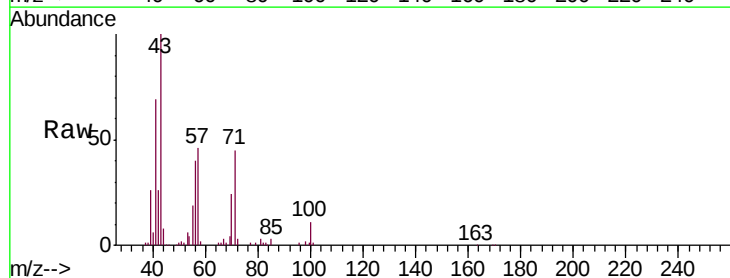
Acq: 5 Apr 2019 3:30

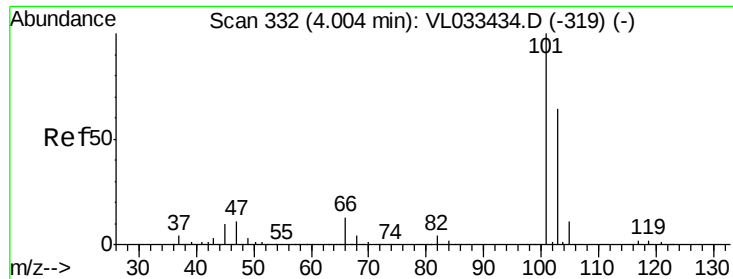
Tgt Ion: 43 Resp: 103587

Ion Ratio Lower Upper

43 100

57 51.0 40.6 60.8

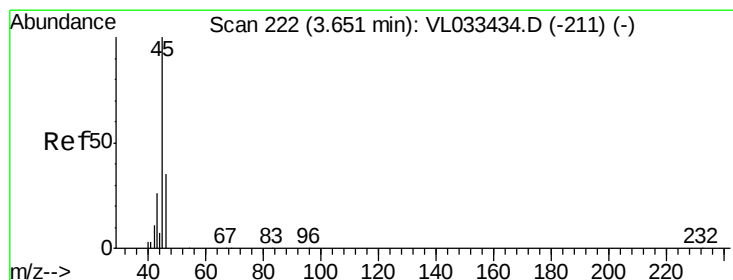
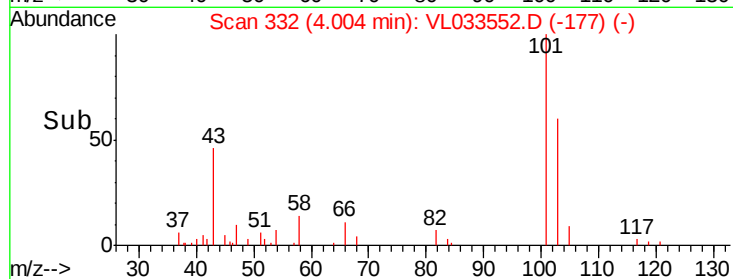
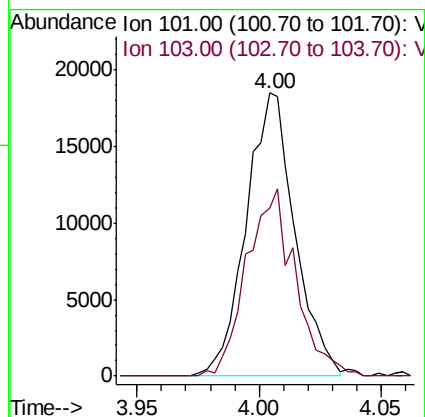
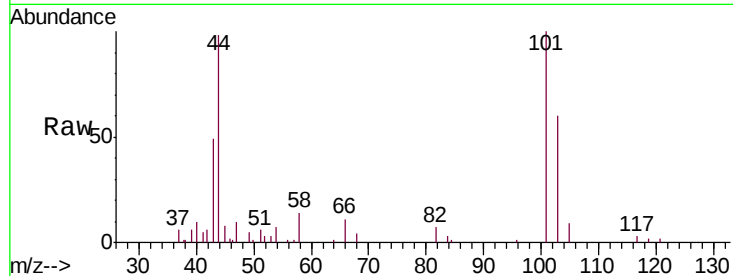




#11
 Trichlorofluoromethane
 Concen: 0.132 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033552.D
 Acq: 5 Apr 2019 3:30

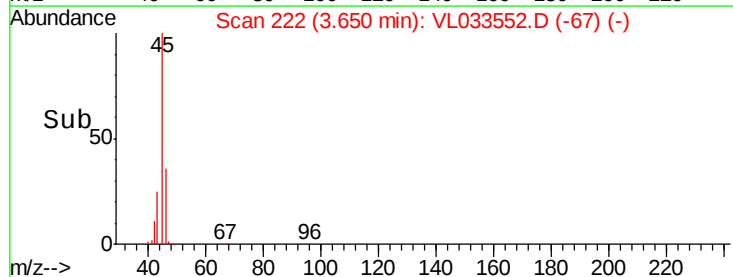
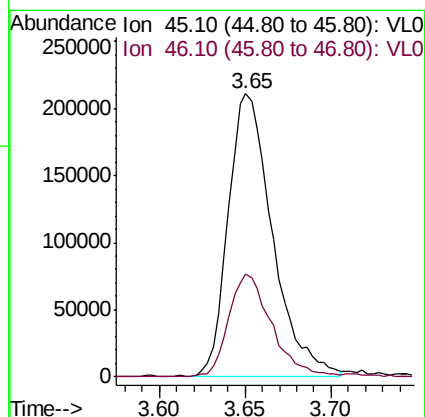
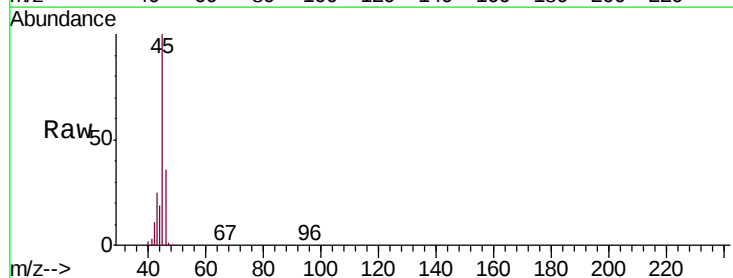
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

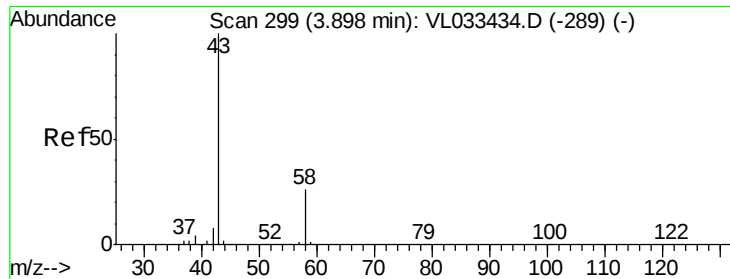
Tgt Ion: 101 Resp: 25543
 Ion Ratio Lower Upper
 101 100
 103 59.6 51.3 76.9



#13
 Ethanol
 Concen: 27.805 ppbv
 RT: 3.65 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VL033552.D
 Acq: 5 Apr 2019 3:30

Tgt Ion: 45 Resp: 374055
 Ion Ratio Lower Upper
 45 100
 46 36.5 25.4 101.8





#15

Acetone

Concen: 58.828 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleId :

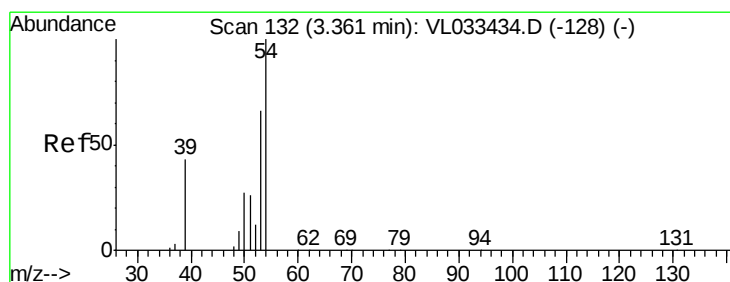
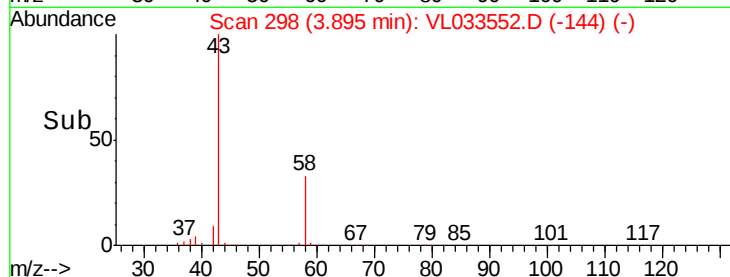
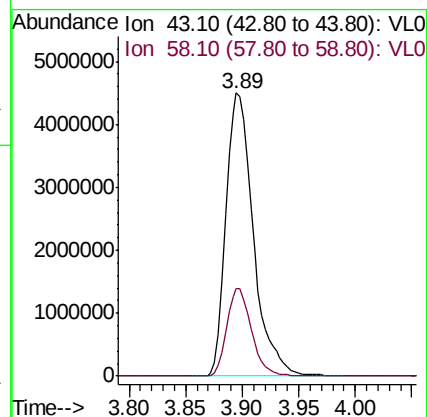
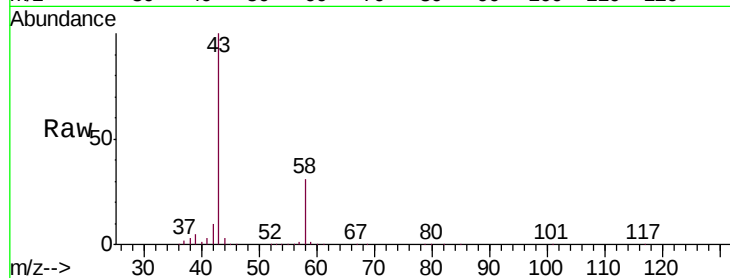
SV2

Tgt Ion: 43 Resp: 7605987

Ion Ratio Lower Upper

43 100

58 28.1 20.5 30.7



#16

1,3-Butadiene

Concen: 9.539 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033552.D

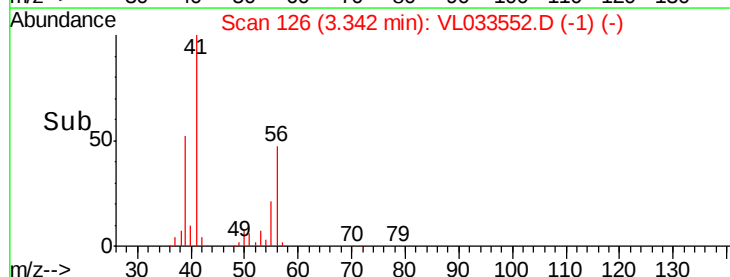
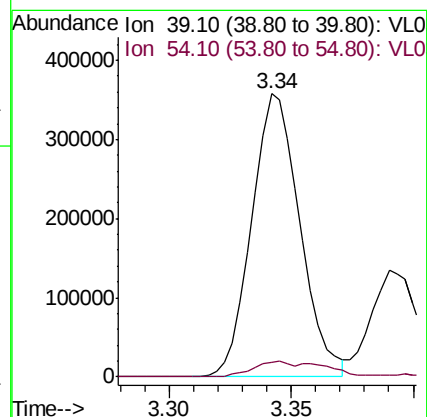
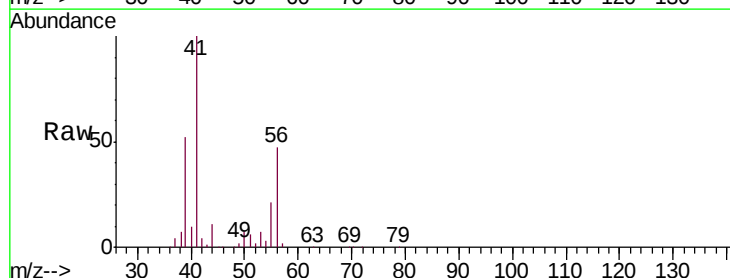
Acq: 5 Apr 2019 3:30

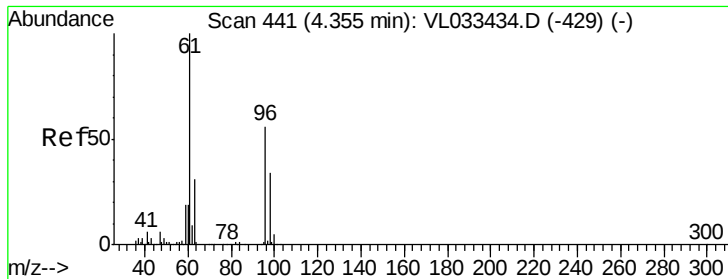
Tgt Ion: 39 Resp: 489185

Ion Ratio Lower Upper

39 100

54 8.8 69.4 104.2#



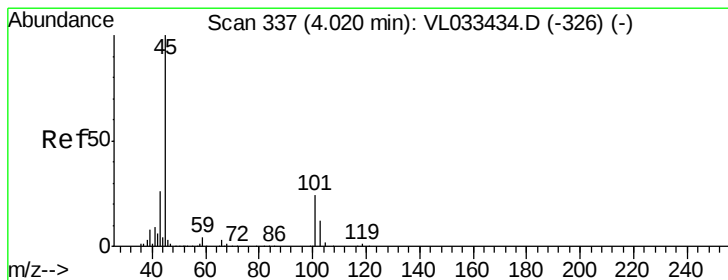
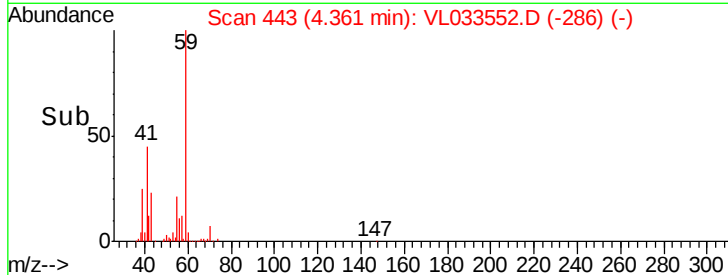
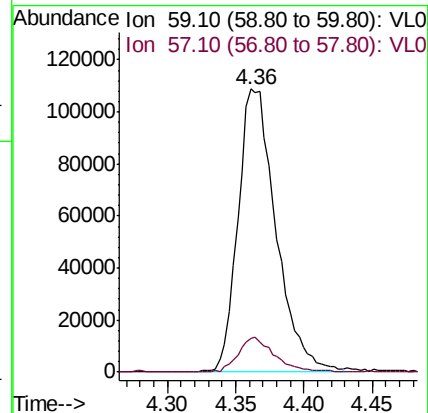
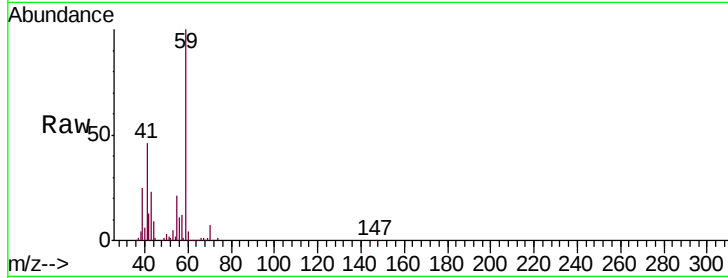


#17

tert-Butyl alcohol
Concen: 8.870 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Instrument :
MSVOA_L
ClientSampled :
SV2

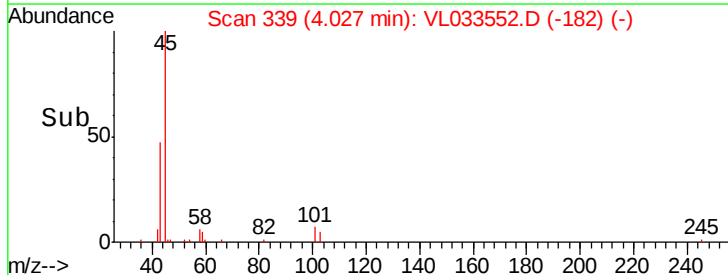
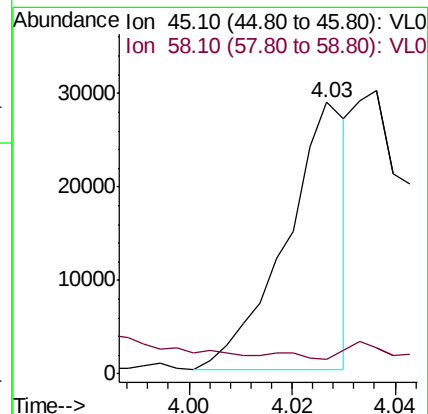
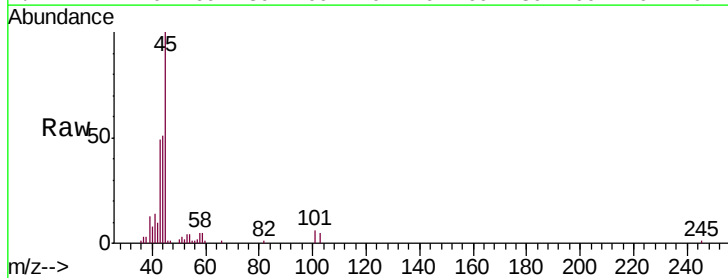
Tgt Ion: 59 Resp: 210861
Ion Ratio Lower Upper
59 100
57 11.9 7.8 11.8#

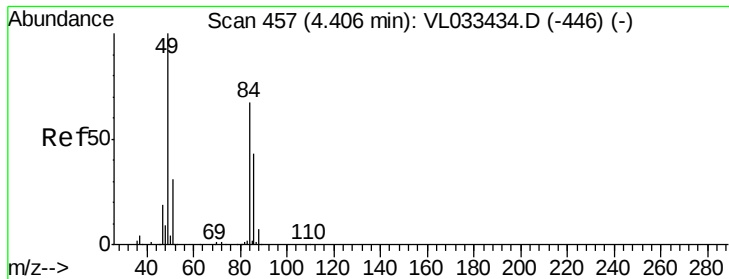


#19

Isopropyl Alcohol
Concen: 0.285 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.01 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Tgt Ion: 45 Resp: 23305
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#

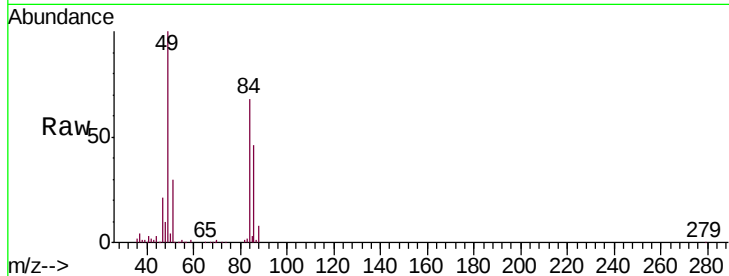




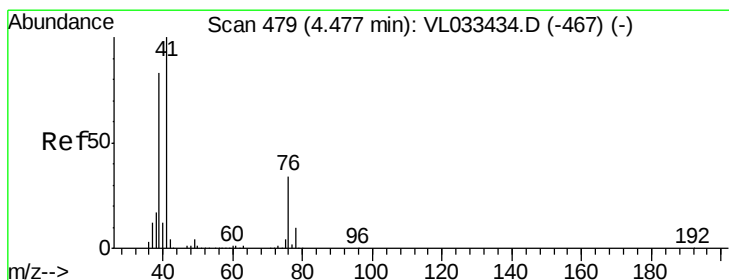
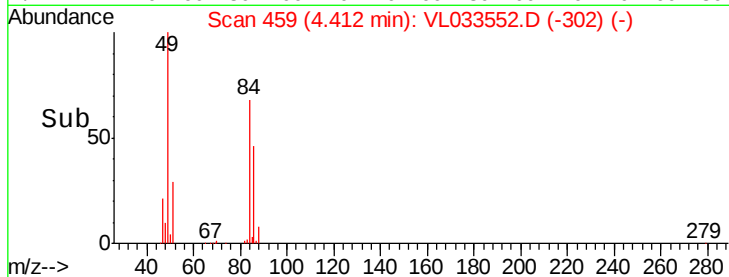
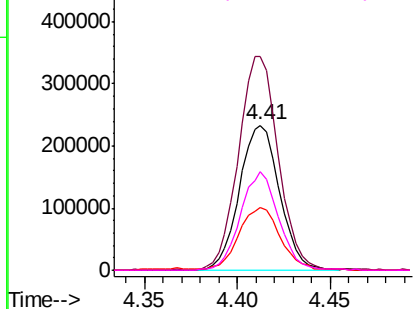
#20
Methylene Chloride
Concen: 6.384 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 84 Resp: 350368
Ion Ratio Lower Upper
84 100
49 146.8 120.0 180.0
51 42.9 36.7 55.1
86 68.0 51.9 77.9

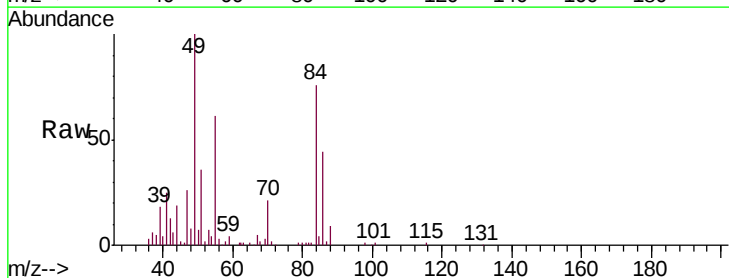


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

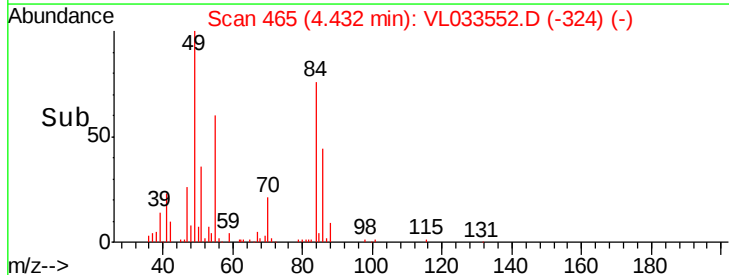
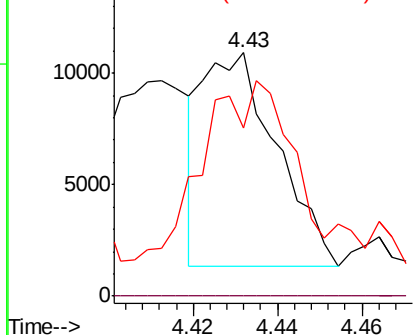


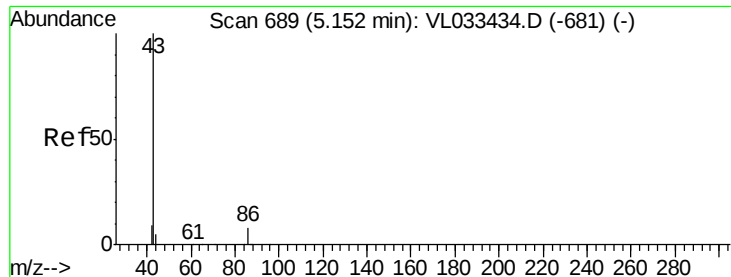
#21
Allyl Chloride
Concen: 0.142 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.05 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Tgt Ion: 41 Resp: 11573
Ion Ratio Lower Upper
41 100
76 0.0 25.4 38.2#
39 170.7 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





#23

Vinyl Acetate

Concen: 0.367 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.01 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 43 Resp: 67491

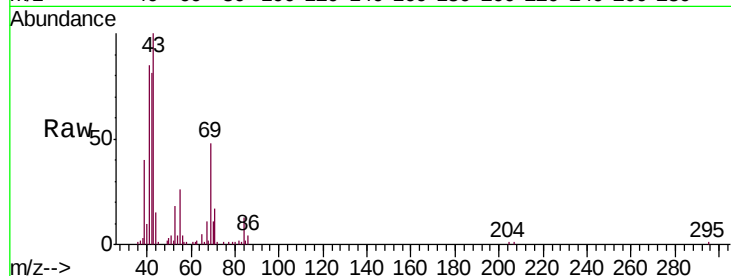
Ion Ratio Lower Upper

43 100

86 4.3 5.6 8.4#

42 82.2 8.0 12.0#

44 0.6 3.9 5.9#

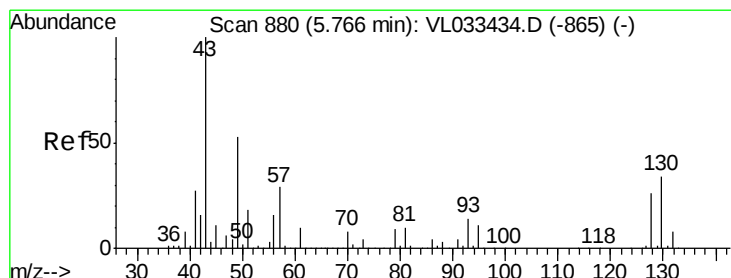
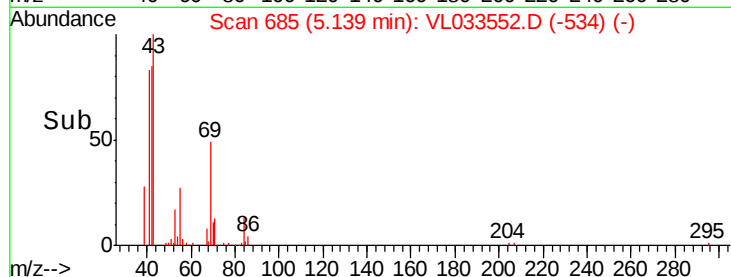
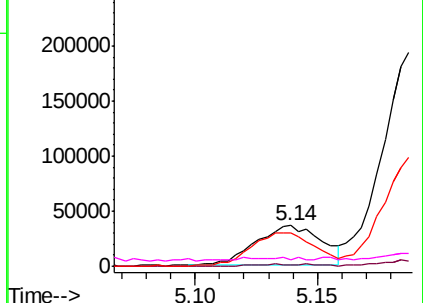


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 3.789 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Tgt Ion: 43 Resp: 908812

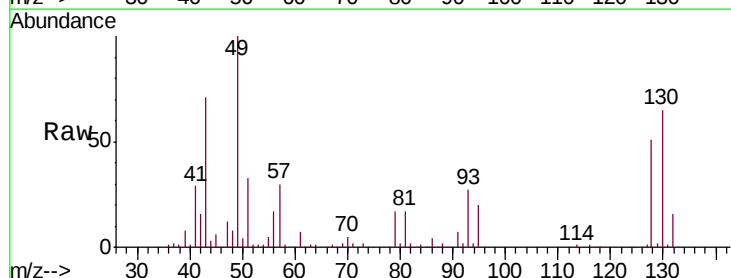
Ion Ratio Lower Upper

43 100

45 8.8 7.8 11.6

61 7.9 7.3 10.9

70 6.8 5.6 8.4

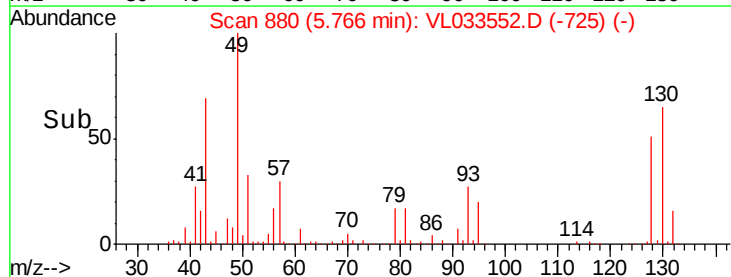
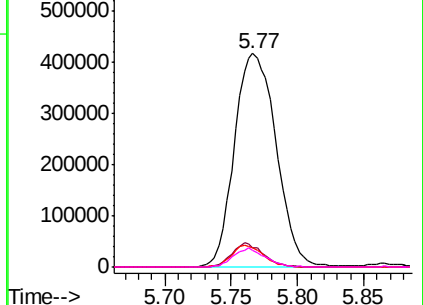


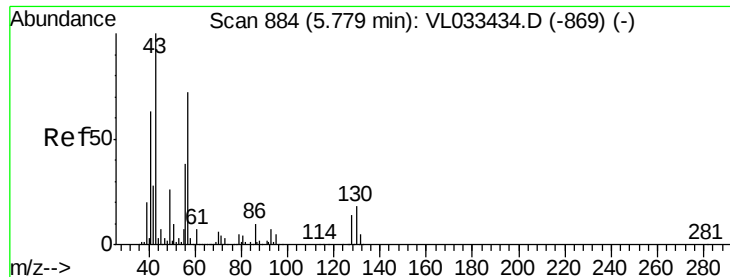
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.584 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 57 Resp: 488964

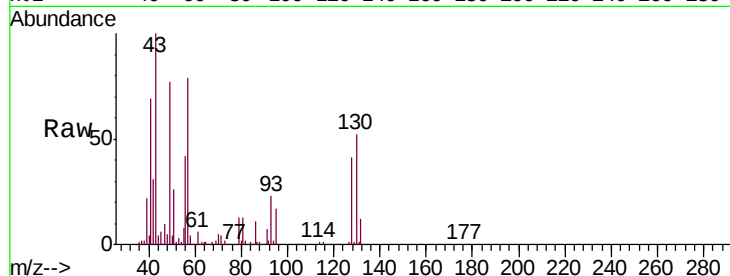
Ion Ratio Lower Upper

57 100

41 97.4 70.7 106.1

43 186.1 182.6 274.0

56 55.6 42.0 63.0

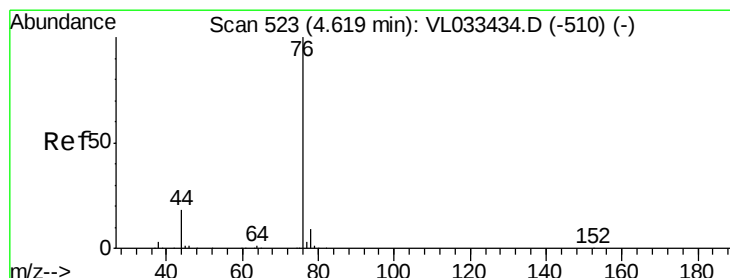
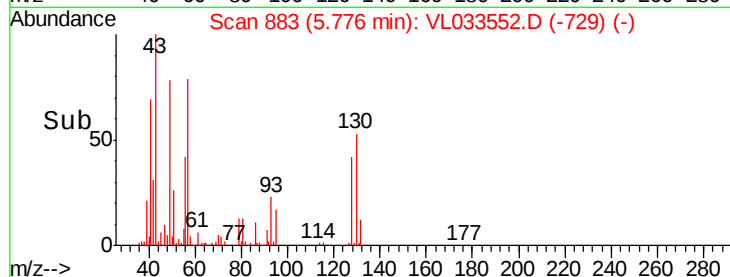
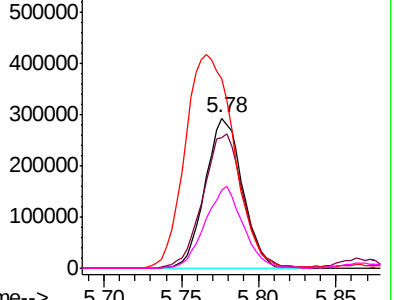


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.103 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

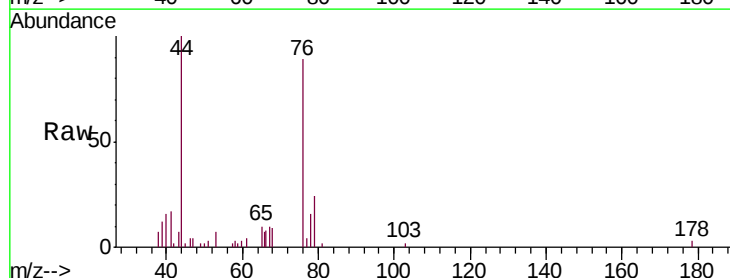
Tgt Ion: 76 Resp: 13097

Ion Ratio Lower Upper

76 100

44 78.3 14.8 22.2#

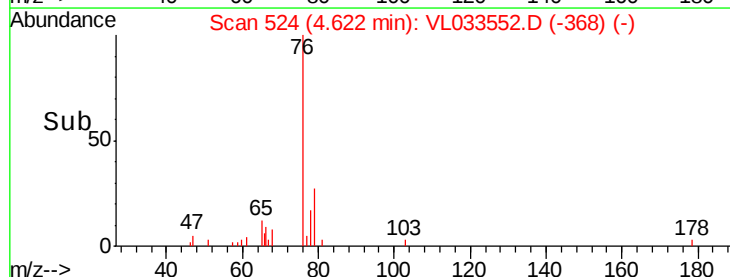
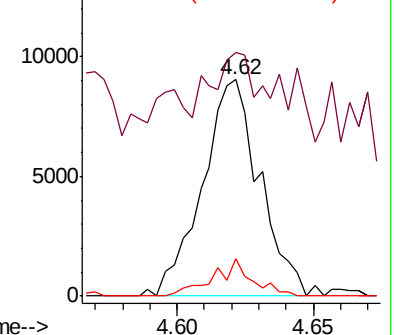
78 11.7 7.6 11.4#

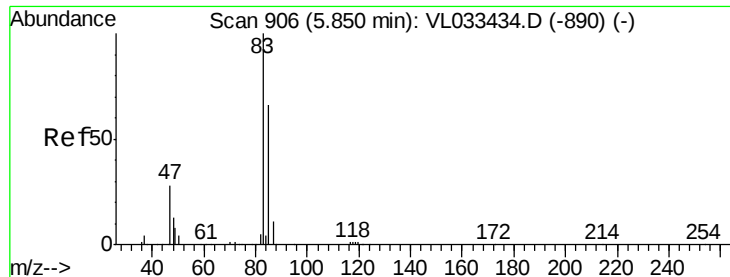


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

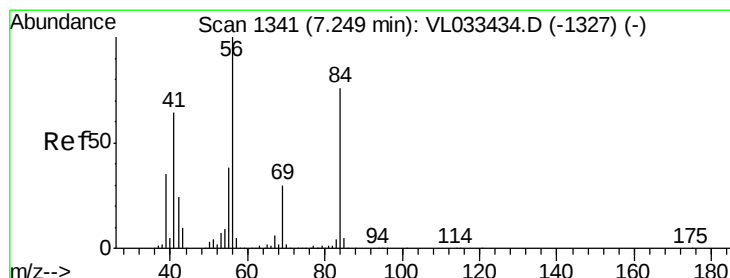
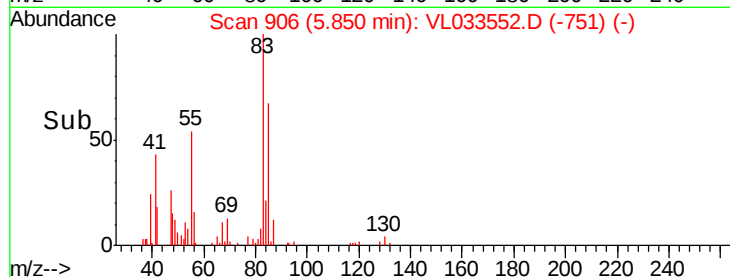
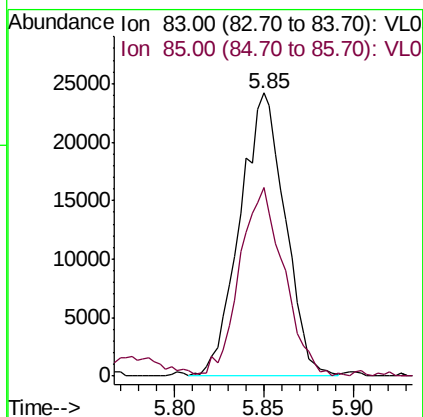
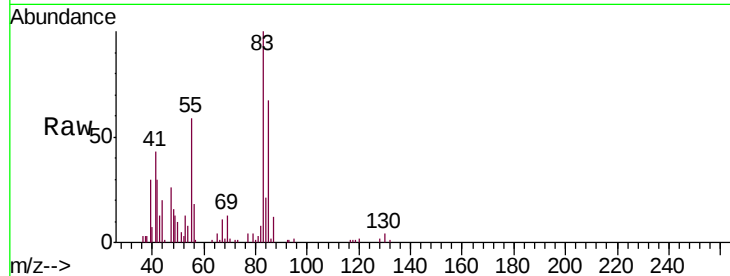




#29
Chloroform
Concen: 0.234 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

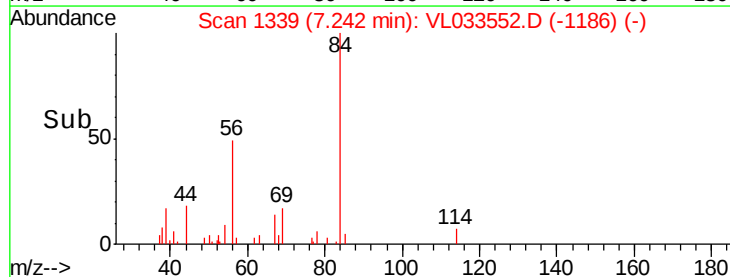
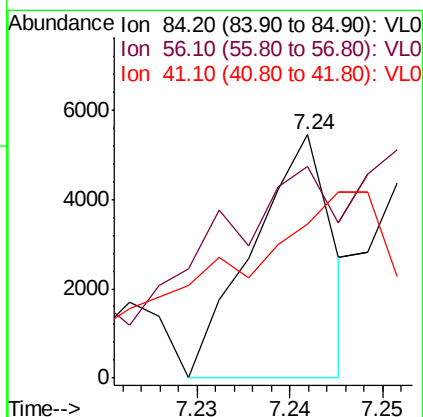
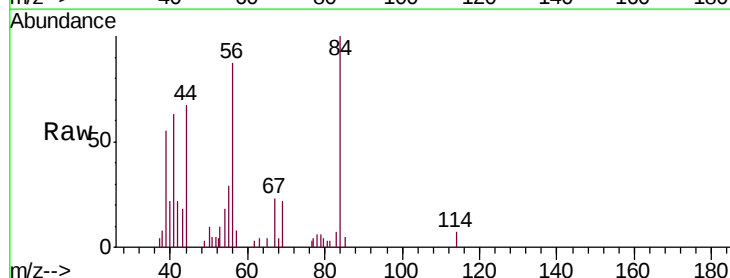
Instrument :
MSVOA_L
ClientSampleId :
SV2

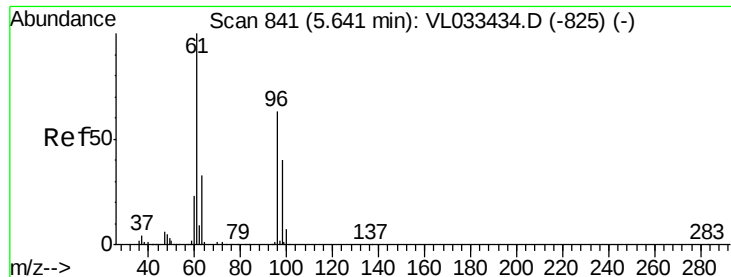
Tgt Ion: 83 Resp: 42763
Ion Ratio Lower Upper
83 100
85 65.8 52.6 79.0



#30
Cyclohexane
Concen: 0.038 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Tgt Ion: 84 Resp: 3235
Ion Ratio Lower Upper
84 100
56 0.0 109.7 164.5#
41 0.0 68.2 102.2#



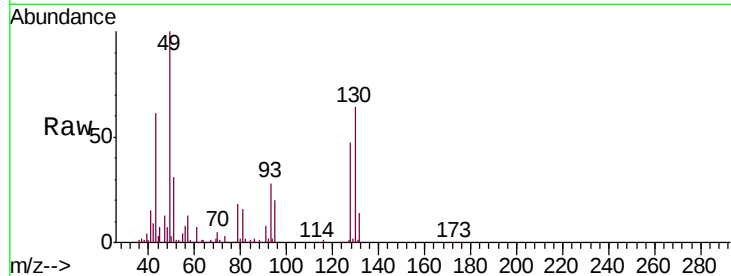


#31

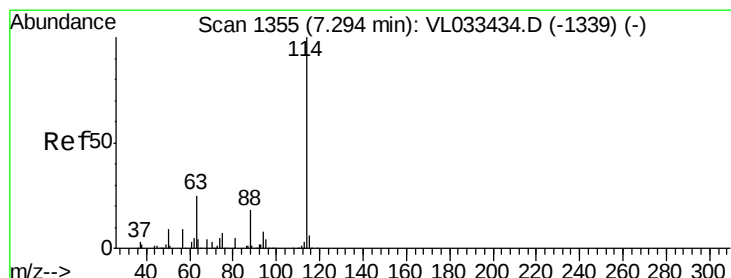
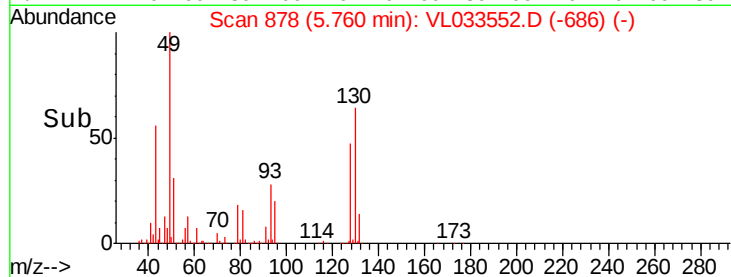
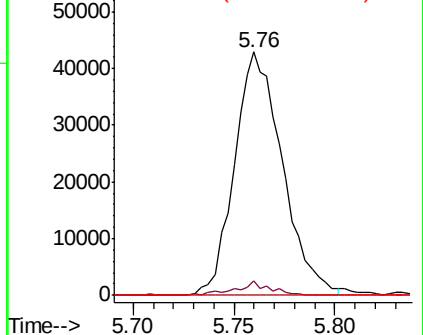
cis-1,2-Dichloroethene
 Concen: 0.672 ppbv
 RT: 5.76 min Scan# 878
 Delta R.T. 0.12 min
 Lab File: VL033552.D
 Acq: 5 Apr 2019 3:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Tgt Ion: 61 Resp: 71308
 Ion Ratio Lower Upper
 61 100
 96 6.2 50.6 76.0#
 98 0.0 32.2 48.2#



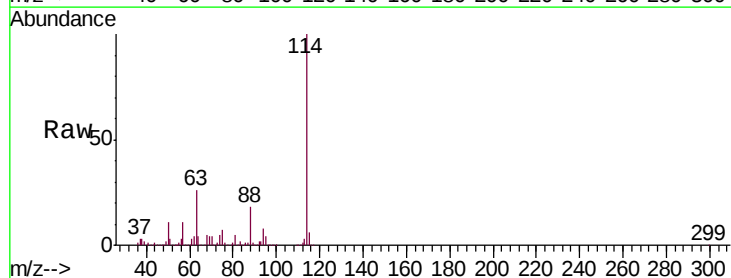
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



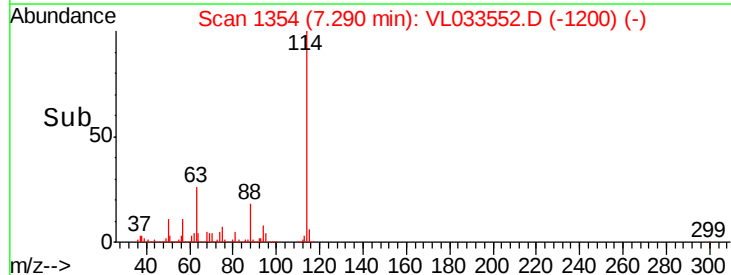
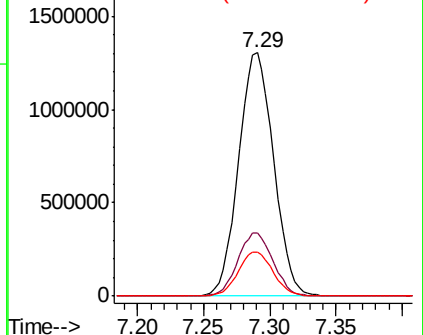
#33

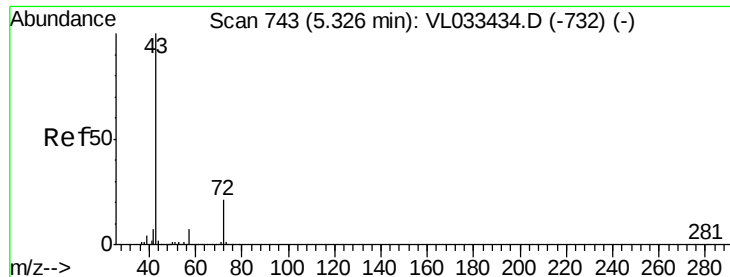
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033552.D
 Acq: 5 Apr 2019 3:30

Tgt Ion: 114 Resp: 2399046
 Ion Ratio Lower Upper
 114 100
 63 26.3 21.5 32.3
 88 18.1 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

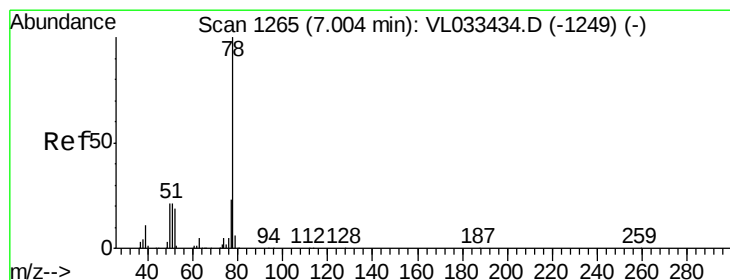
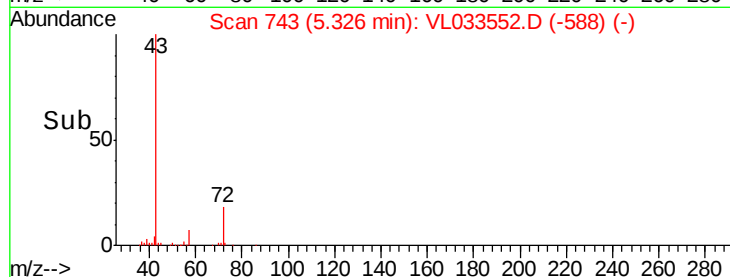
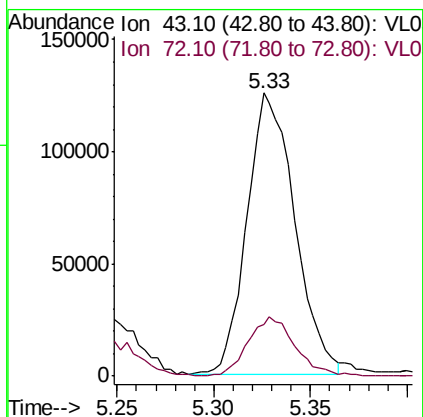
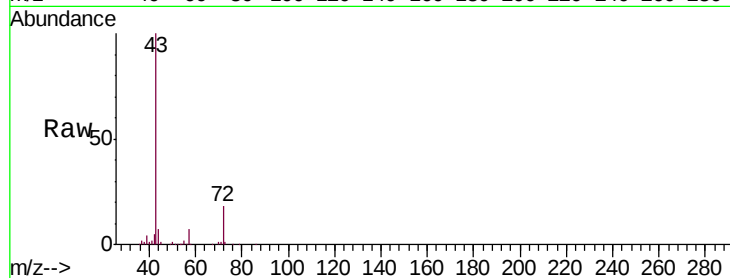




#34
2-Butanone
Concen: 1.493 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.00 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

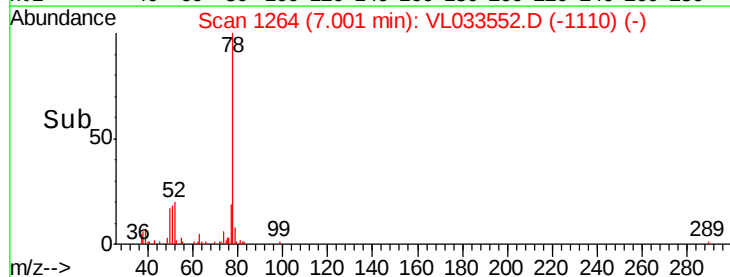
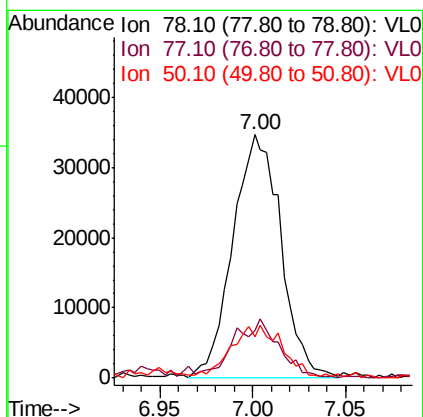
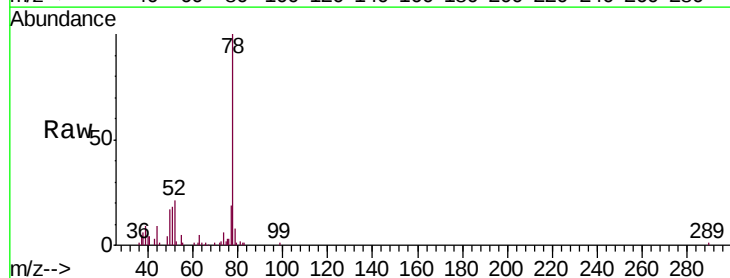
Instrument :
MSVOA_L
ClientSampled :
SV2

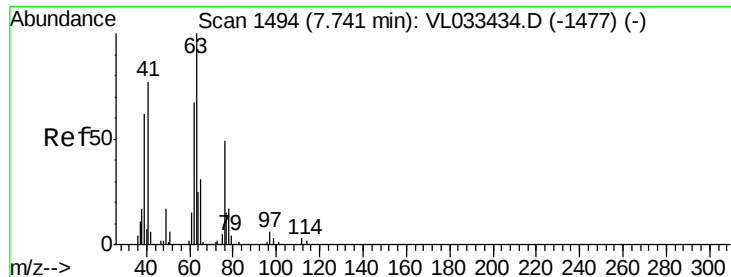
Tgt Ion: 43 Resp: 215214
Ion Ratio Lower Upper
43 100
72 21.0 17.4 26.2



#36
Benzene
Concen: 0.310 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Tgt Ion: 78 Resp: 62491
Ion Ratio Lower Upper
78 100
77 19.4 18.1 27.1
50 15.5 16.7 25.1#





#39

1,2-Dichloropropane

Concen: 7.945 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.45 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleId :

SV2

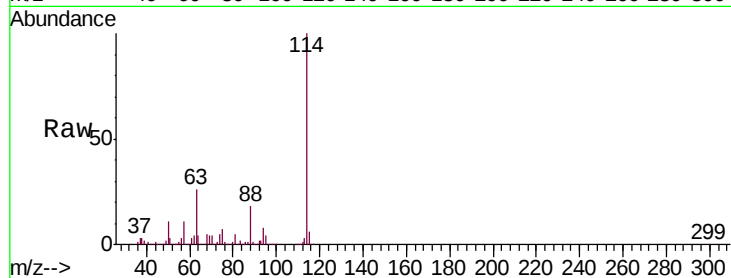
Tgt Ion: 63 Resp: 626480

Ion Ratio Lower Upper

63 100

41 1.4 61.2 91.8#

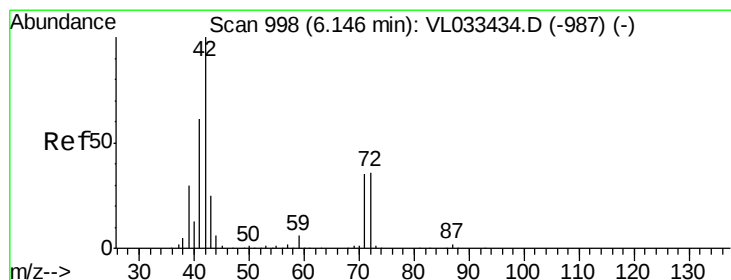
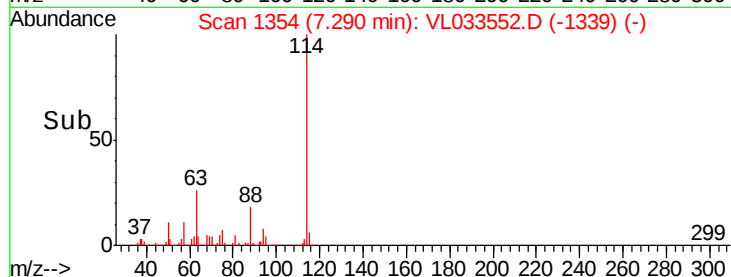
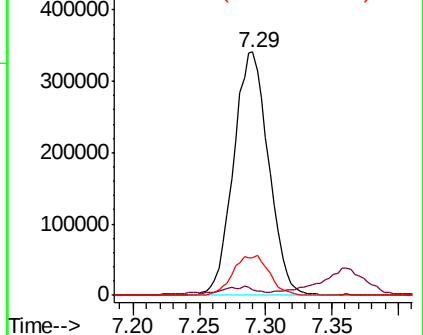
62 15.5 54.0 81.0#



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



#41

Tetrahydrofuran

Concen: 0.151 ppbv

RT: 6.07 min Scan# 976

Delta R.T. -0.07 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

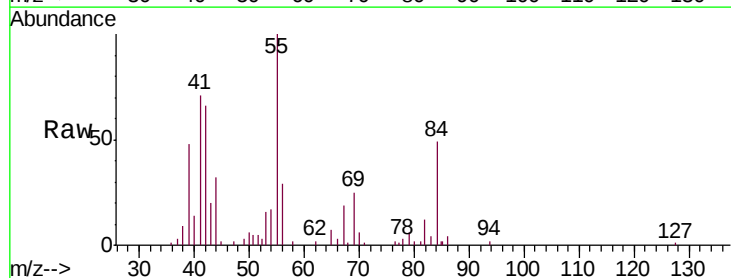
Tgt Ion: 42 Resp: 11936

Ion Ratio Lower Upper

42 100

72 6.4 30.2 45.2#

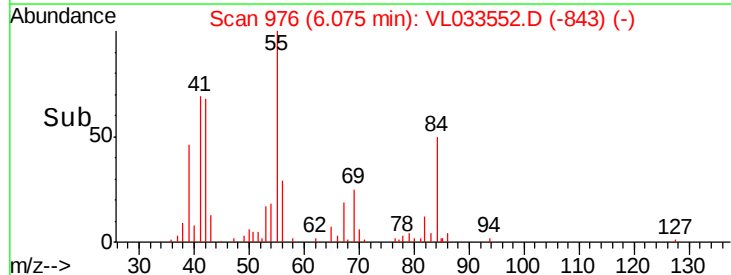
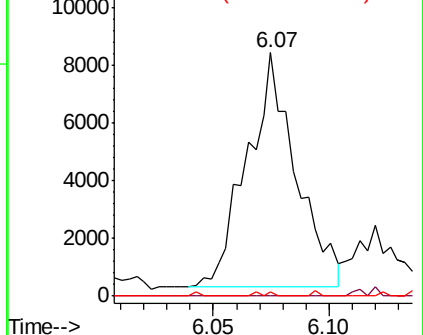
71 9.0 29.4 44.2#

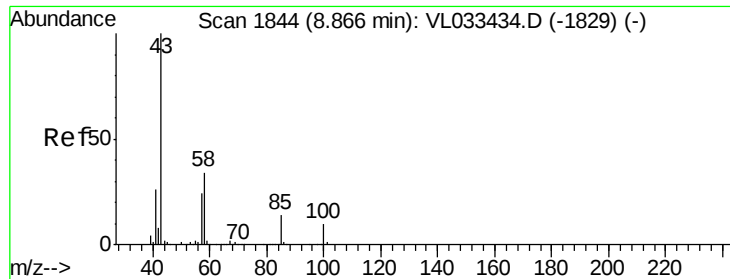


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

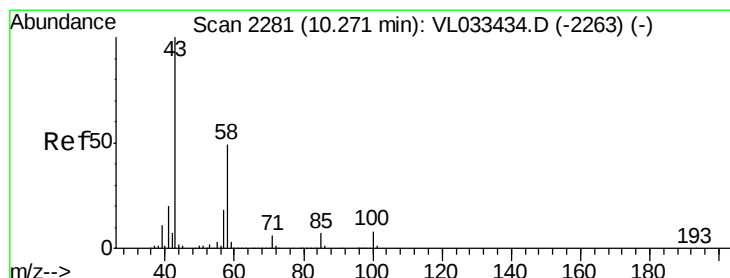
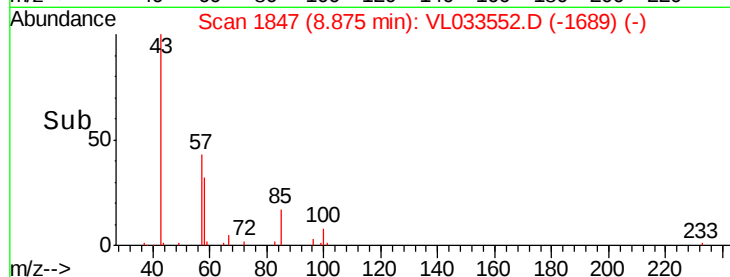
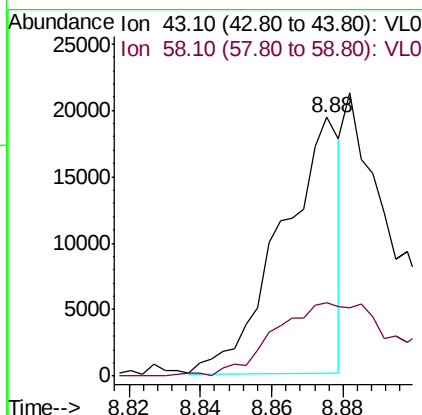
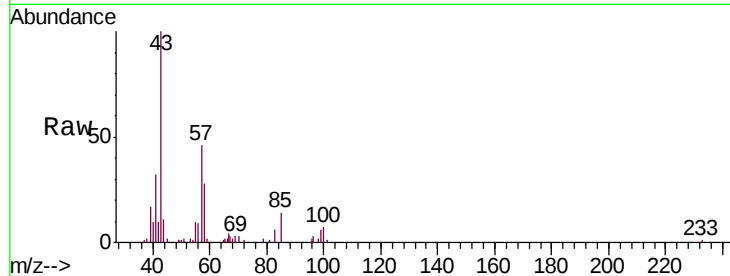




#50
4-Methyl-2-Pentanone
Concen: 0.104 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.01 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

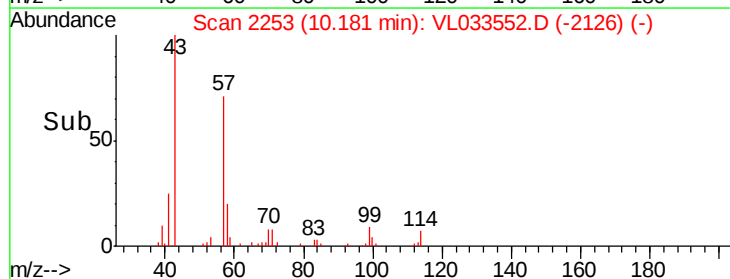
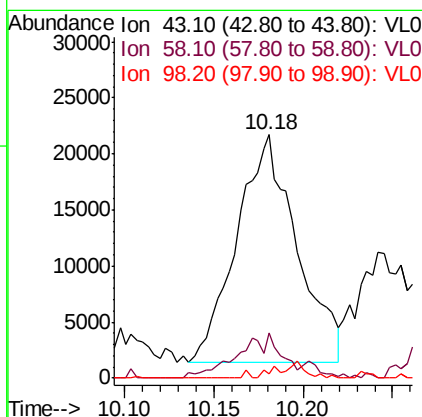
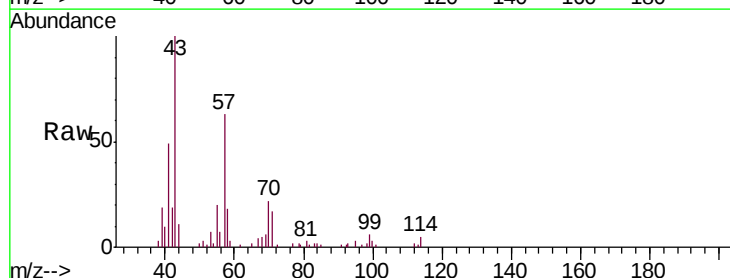
Instrument :
MSVOA_L
ClientSampleId :
SV2

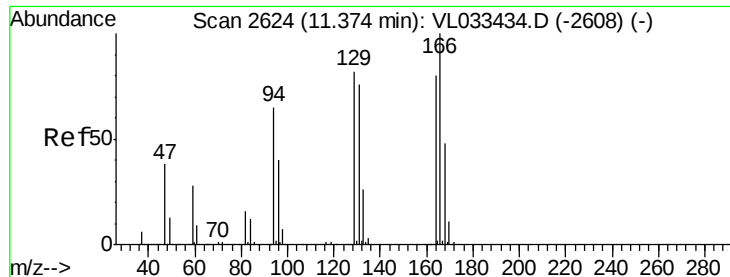
Tgt Ion: 43 Resp: 21908
Ion Ratio Lower Upper
43 100
58 61.7 28.0 42.0#



#51
2-Hexanone
Concen: 0.304 ppbv
RT: 10.18 min Scan# 2253
Delta R.T. -0.09 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Tgt Ion: 43 Resp: 47802
Ion Ratio Lower Upper
43 100
58 16.4 38.2 57.2#
98 3.4 0.2 0.2#

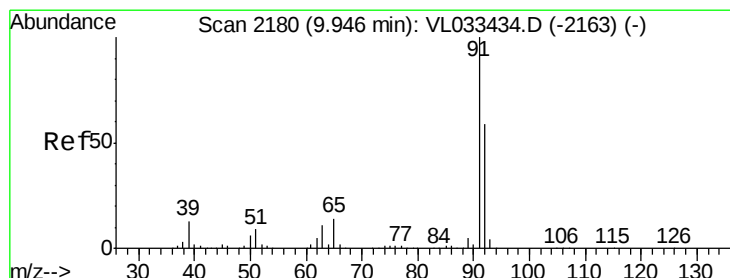
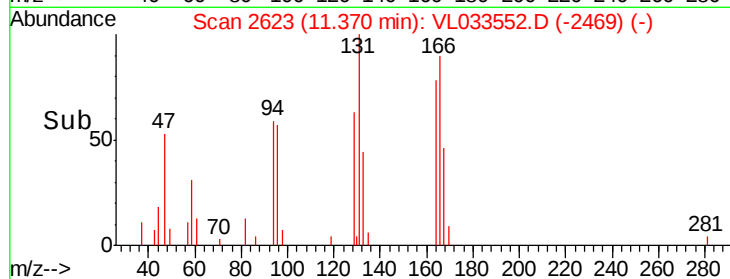
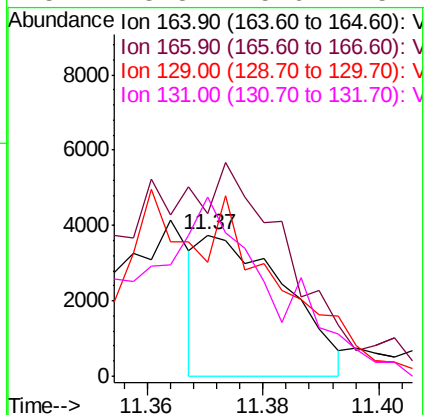
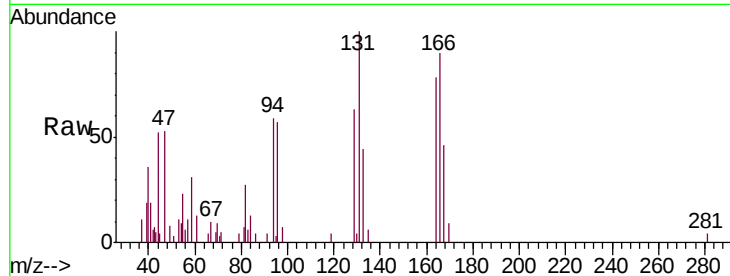




#52
Tetrachloroethene
Concen: 0.050 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

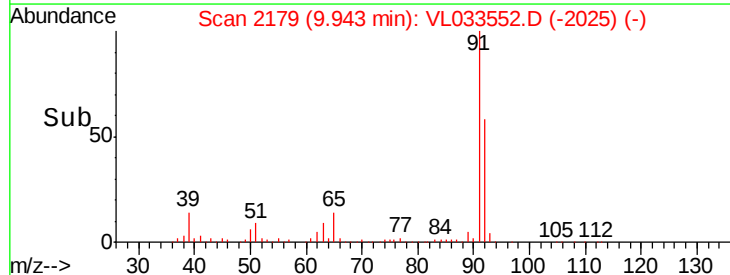
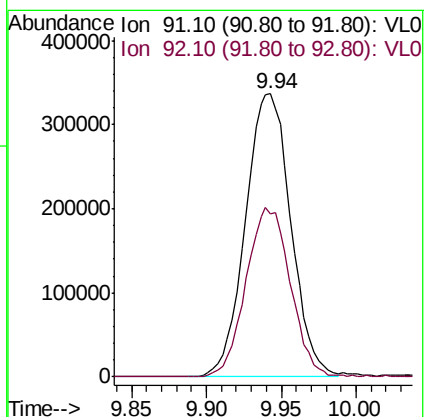
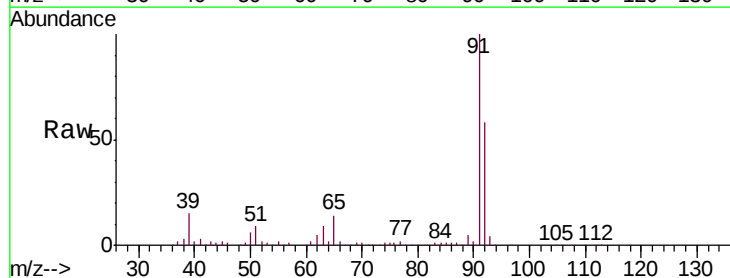
Instrument :
MSVOA_L
ClientSampled :
SV2

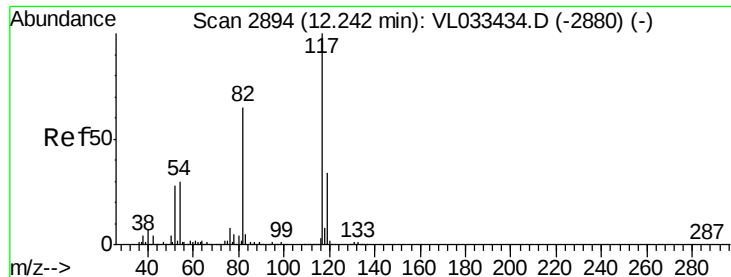
Tgt Ion:164 Resp: 3833
Ion Ratio Lower Upper
164 100
166 96.5 99.5 149.3#
129 47.0 81.4 122.2#
131 118.8 75.6 113.4#



#53
Toluene
Concen: 3.029 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Tgt Ion: 91 Resp: 708560
Ion Ratio Lower Upper
91 100
92 58.8 47.4 71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleId :

SV2

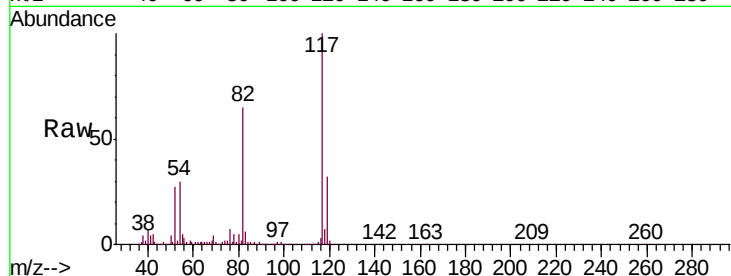
Tgt Ion:117 Resp: 2607363

Ion Ratio Lower Upper

117 100

82 66.5 51.5 77.3

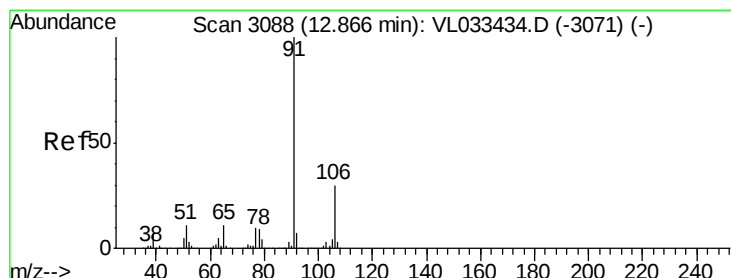
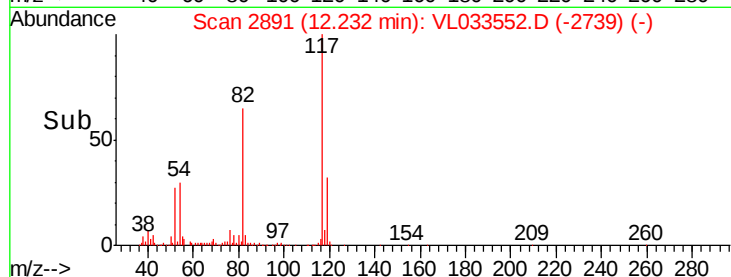
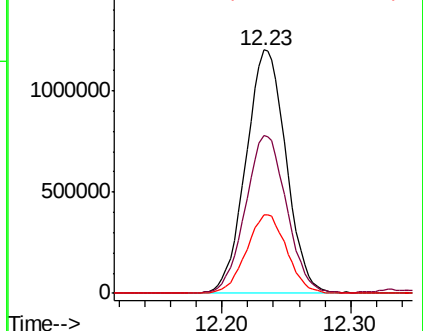
119 32.5 25.5 38.3



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.745 ppbv

RT: 12.86 min Scan# 3086

Delta R.T. -0.01 min

Lab File: VL033552.D

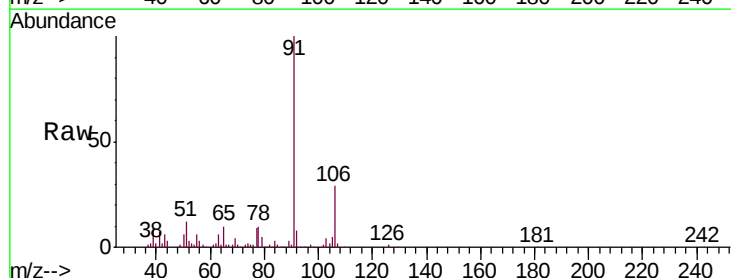
Acq: 5 Apr 2019 3:30

Tgt Ion: 91 Resp: 259266

Ion Ratio Lower Upper

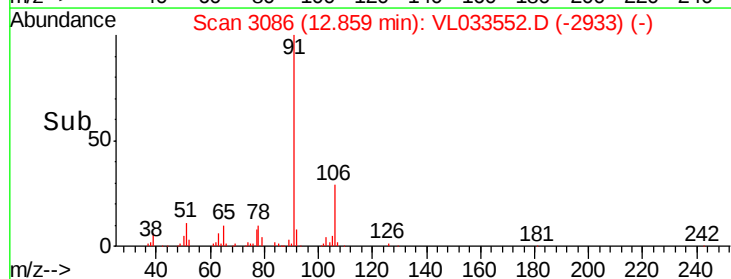
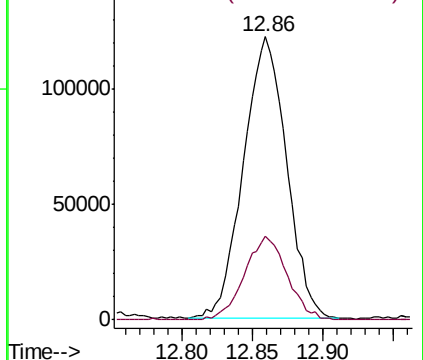
91 100

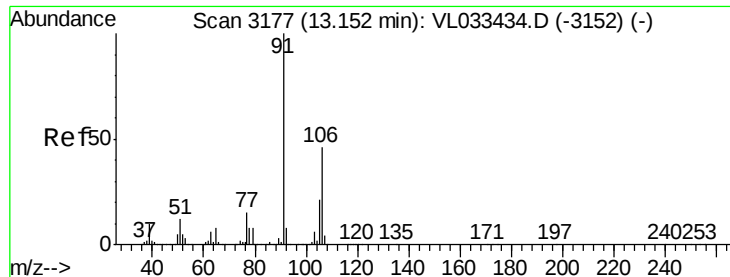
106 29.6 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 2.095 ppbv

RT: 13.12 min Scan# 3166

Delta R.T. -0.04 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleID :

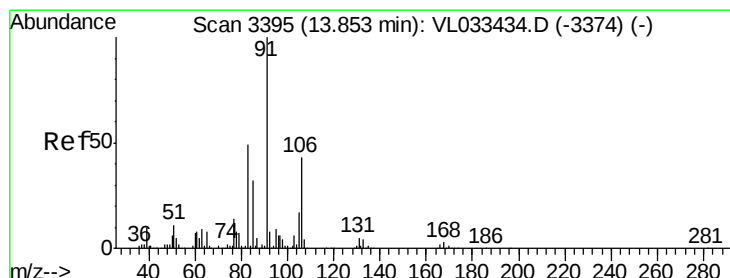
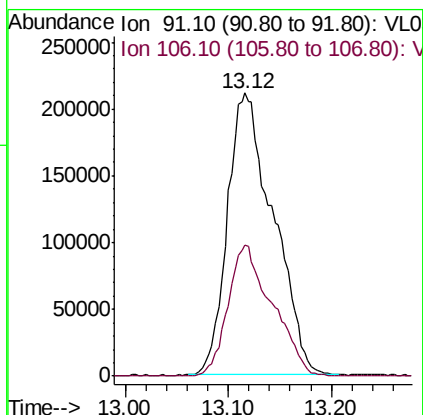
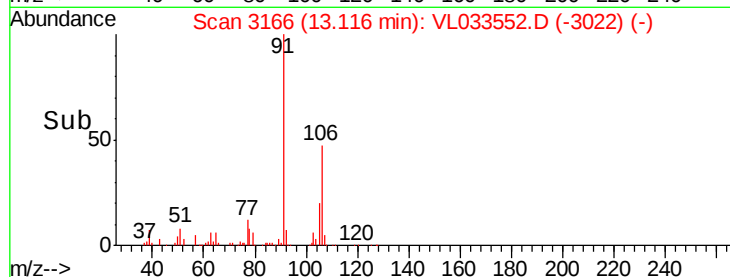
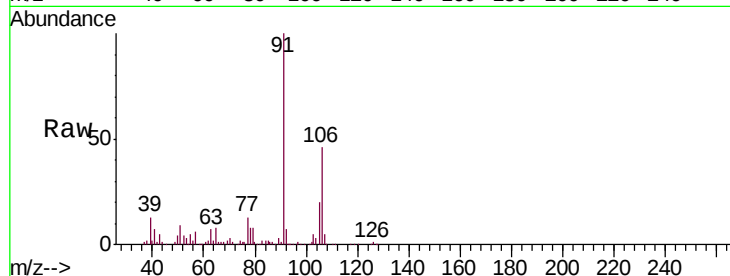
SV2

Tgt Ion: 91 Resp: 651667

Ion Ratio Lower Upper

91 100

106 45.0 0.0 0.0#



#60

o-Xylene

Concen: 0.702 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL033552.D

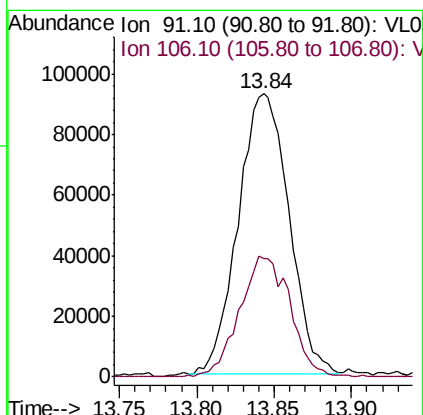
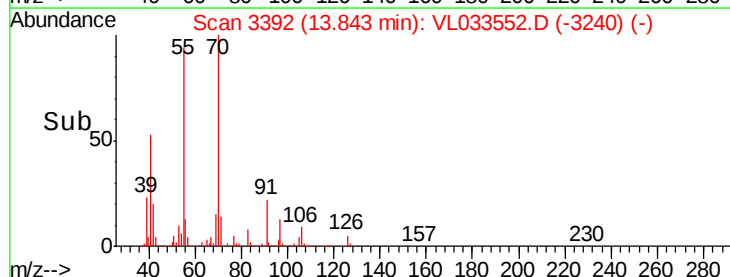
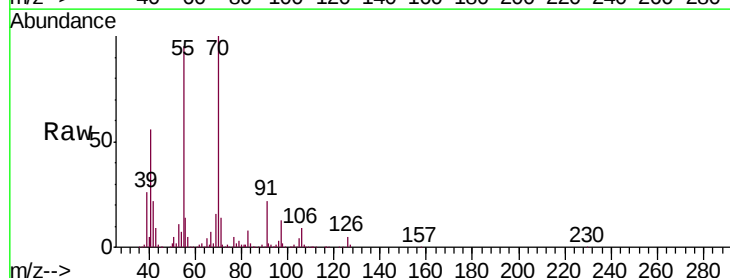
Acq: 5 Apr 2019 3:30

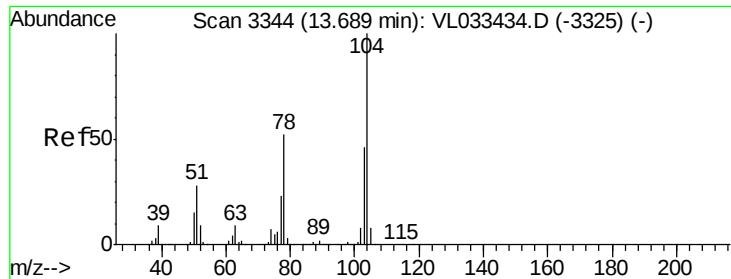
Tgt Ion: 91 Resp: 211211

Ion Ratio Lower Upper

91 100

106 42.9 21.4 64.3

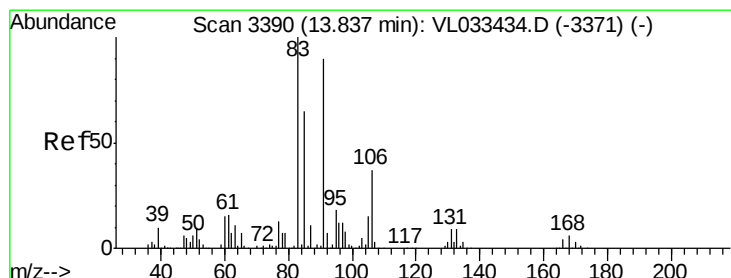
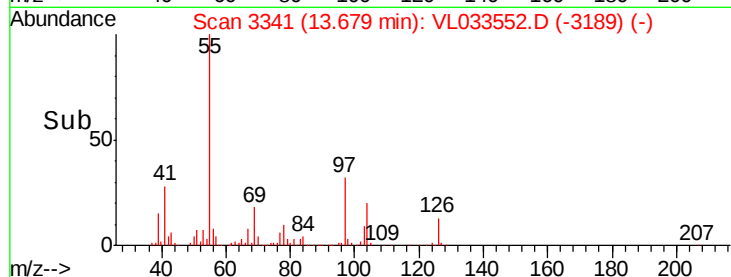
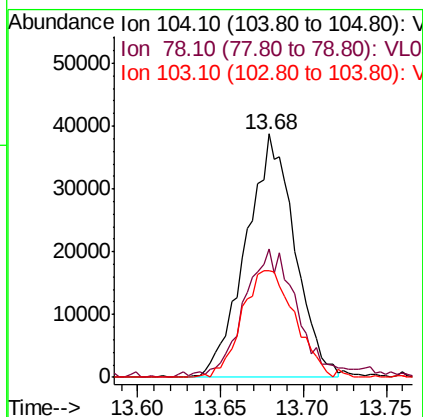
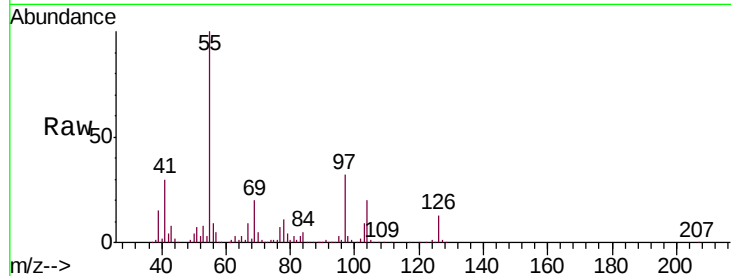




#61
Styrene
Concen: 0.386 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

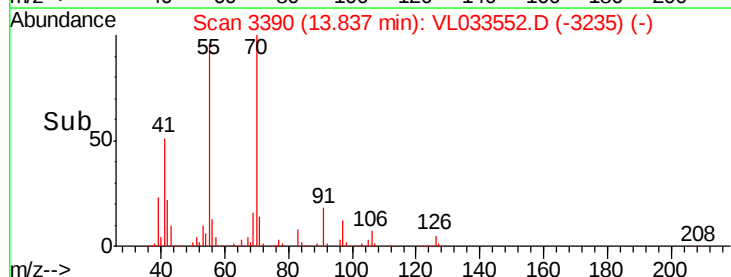
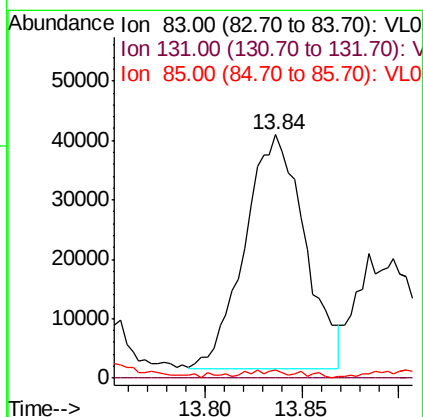
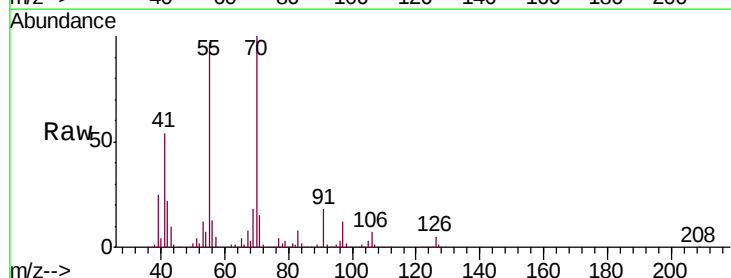
Instrument :
MSVOA_L
ClientSampled :
SV2

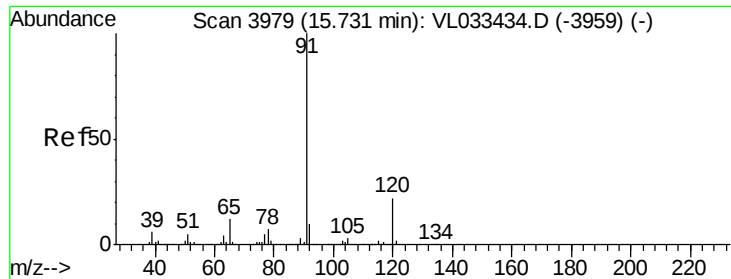
Tgt Ion: 104 Resp: 79649
Ion Ratio Lower Upper
104 100
78 59.9 43.2 64.8
103 47.6 37.8 56.8



#63
1,1,2,2-Tetrachloroethane
Concen: 0.383 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Tgt Ion: 83 Resp: 84828
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.0#
85 3.5 32.7 98.1#





#64

n-propylbenzene

Concen: 0.232 ppbv

RT: 15.71 min Scan# 3974

Delta R.T. -0.02 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleId :

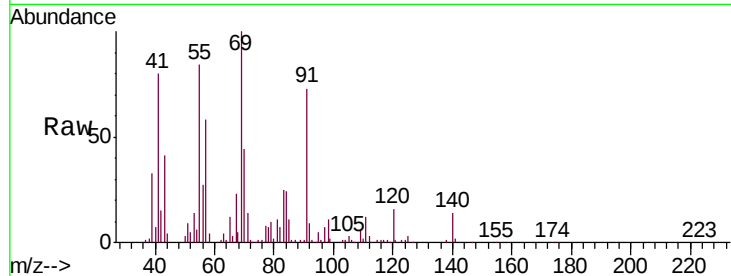
SV2

Tgt Ion:120 Resp: 25043

Ion Ratio Lower Upper

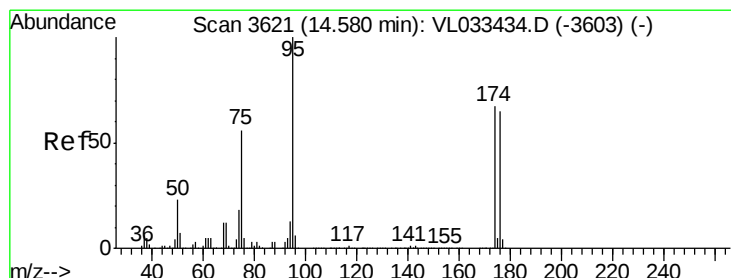
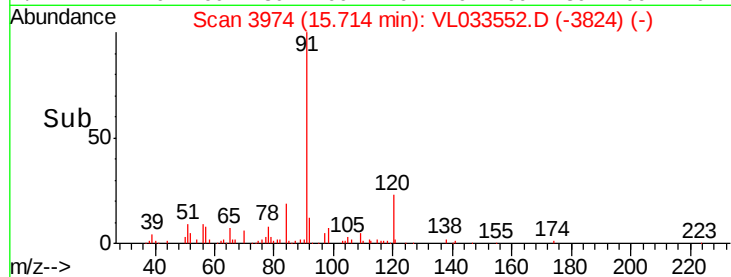
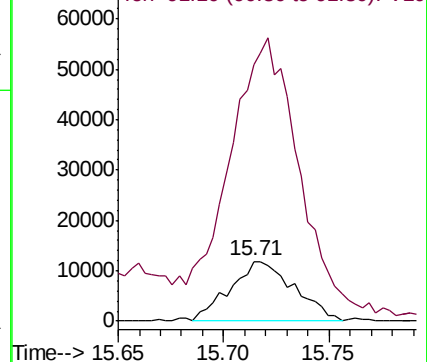
120 100

91 663.9 387.4 581.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.703 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

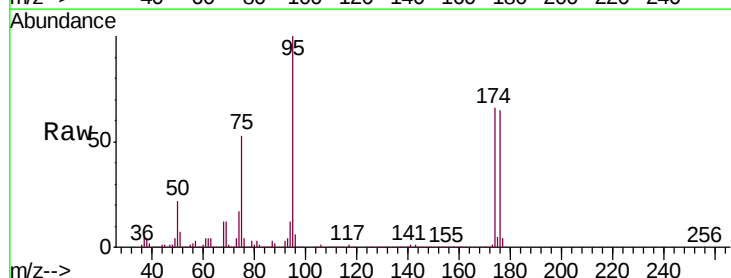
Tgt Ion: 95 Resp: 2187839

Ion Ratio Lower Upper

95 100

174 68.3 52.9 79.3

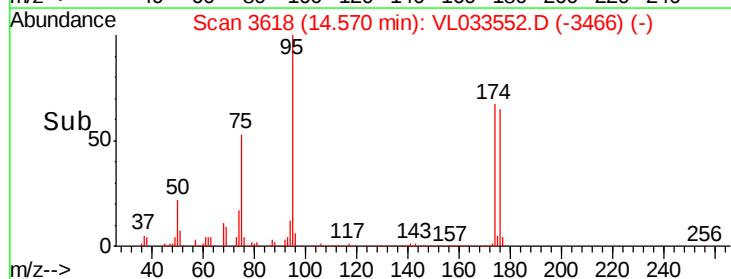
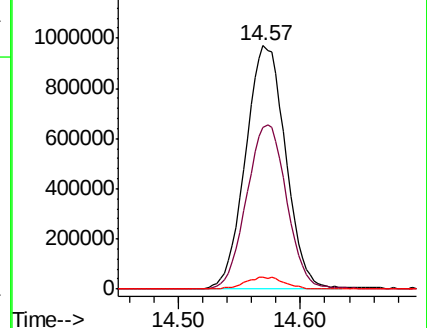
175 5.0 3.8 5.6

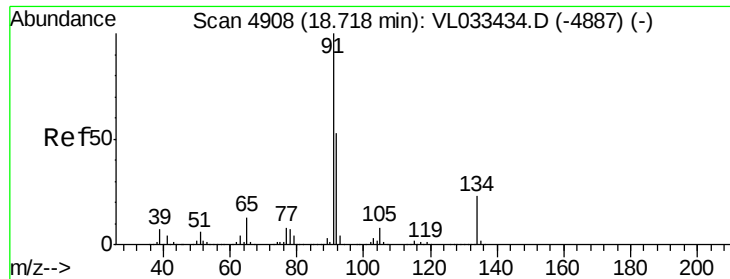


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

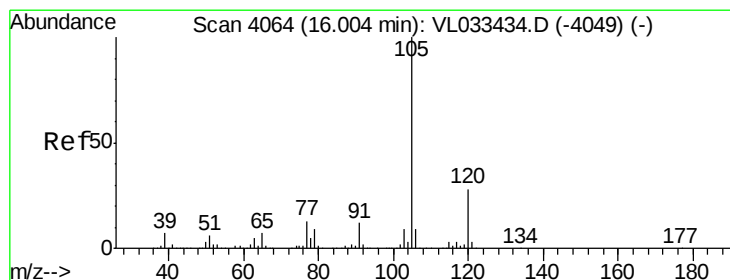
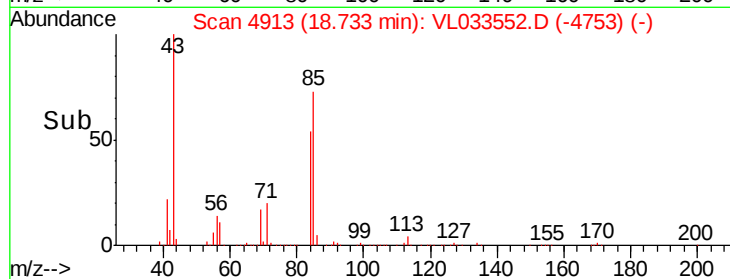
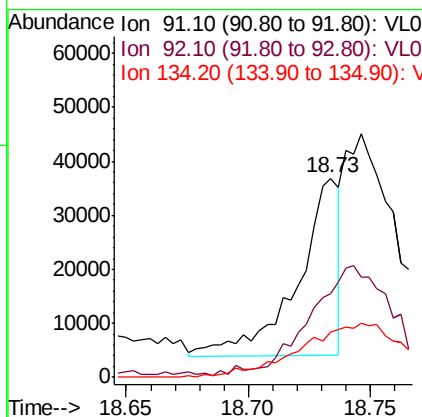
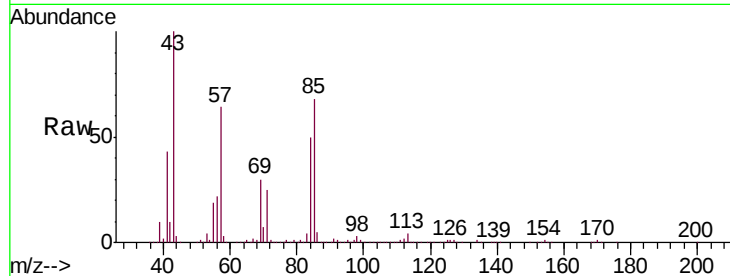




#70
n-Butylbenzene
Concen: 0.086 ppbv
RT: 18.73 min Scan# 4913
Delta R.T. 0.02 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

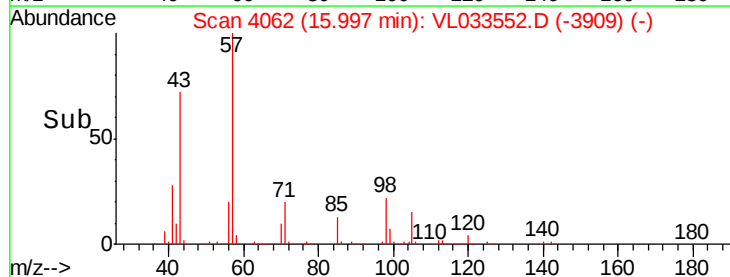
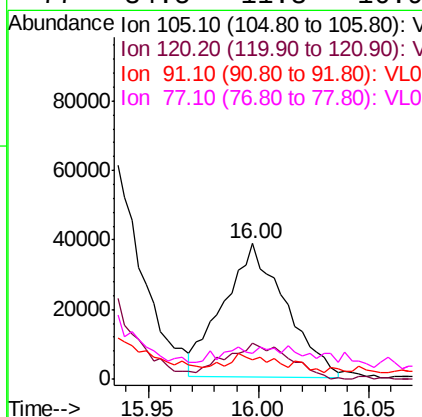
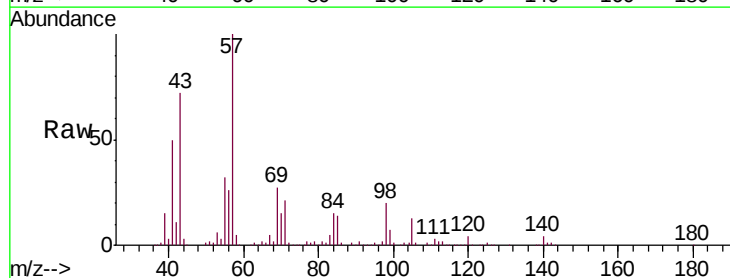
Instrument :
MSVOA_L
ClientSampled :
SV2

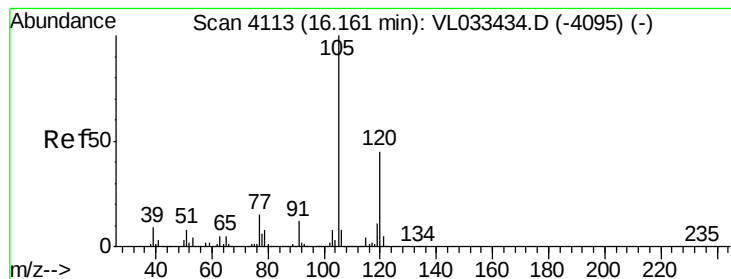
Tgt Ion: 91 Resp: 39503
Ion Ratio Lower Upper
91 100
92 0.0 42.6 64.0#
134 0.0 17.5 26.3#



#72
4-Ethyltoluene
Concen: 0.222 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. -0.01 min
Lab File: VL033552.D
Acq: 5 Apr 2019 3:30

Tgt Ion: 105 Resp: 74920
Ion Ratio Lower Upper
105 100
120 29.1 23.2 34.8
91 11.4 10.4 15.6
77 34.5 11.3 16.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.095 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleId :

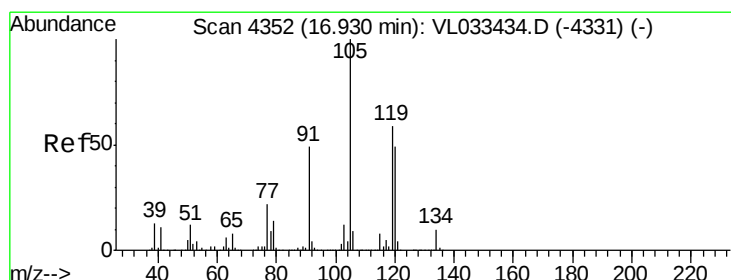
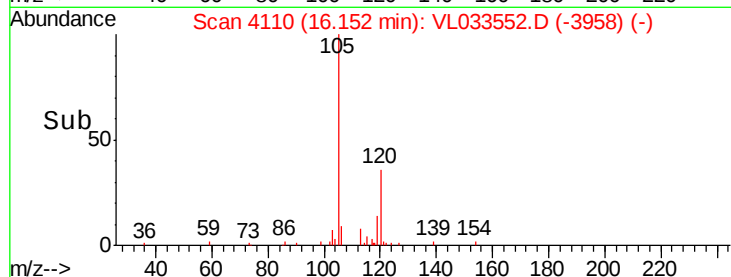
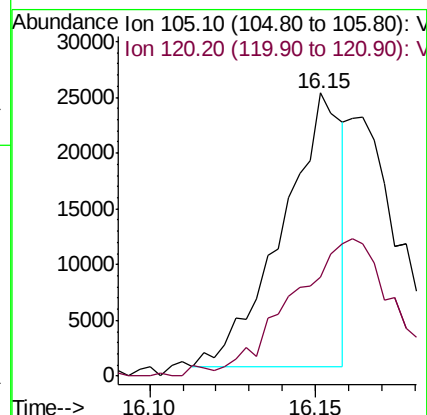
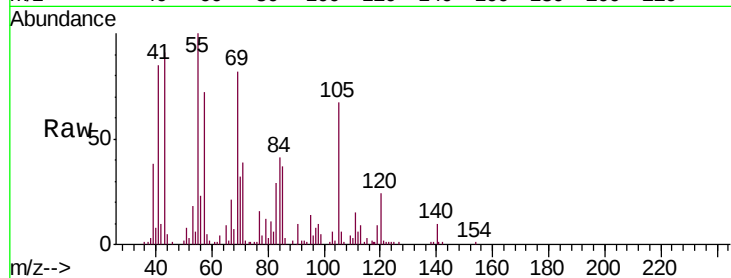
SV2

Tgt Ion:105 Resp: 30647

Ion Ratio Lower Upper

105 100

120 32.3 35.7 53.5#



#74

1,2,4-Trimethylbenzene

Concen: 0.614 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Tgt Ion:105 Resp: 212824

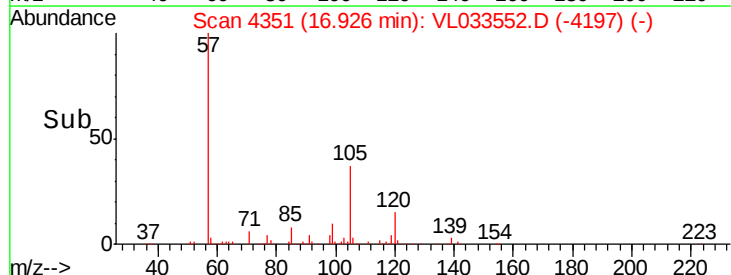
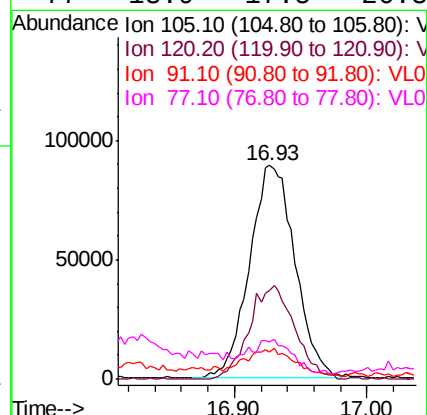
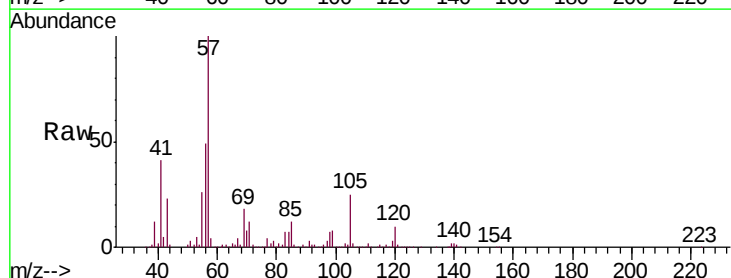
Ion Ratio Lower Upper

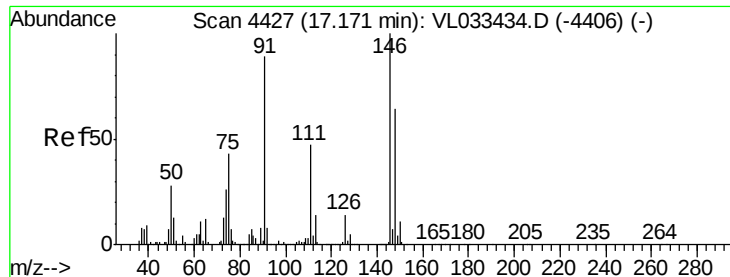
105 100

120 41.5 39.0 58.6

91 11.4 40.0 60.0#

77 13.9 17.5 26.3#





#75

1,3-Dichlorobenzene

Concen: 0.296 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

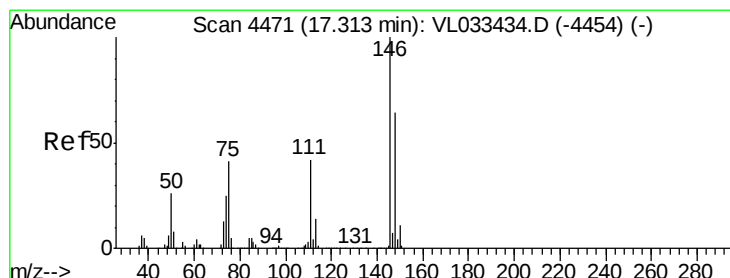
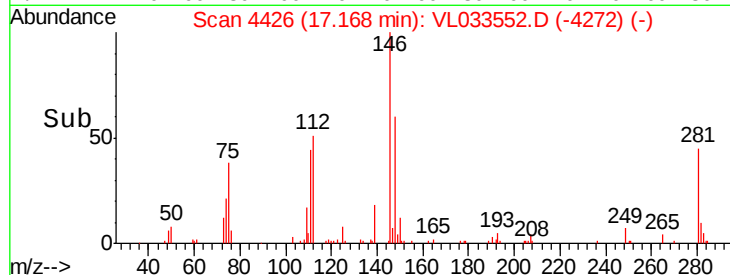
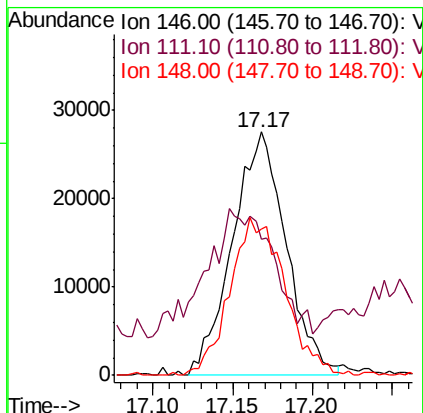
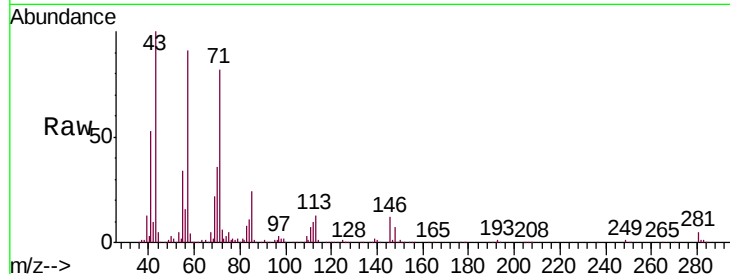
MSVOA_L

ClientSampleId :

SV2

Tgt Ion:146 Resp: 63407

Ion	Ratio	Lower	Upper
146	100		
111	103.8	22.9	68.8#
148	66.5	32.0	96.2



#76

1,4-Dichlorobenzene

Concen: 0.304 ppbv

RT: 17.17 min Scan# 4426

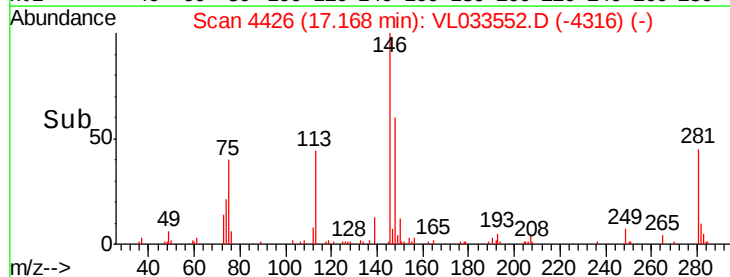
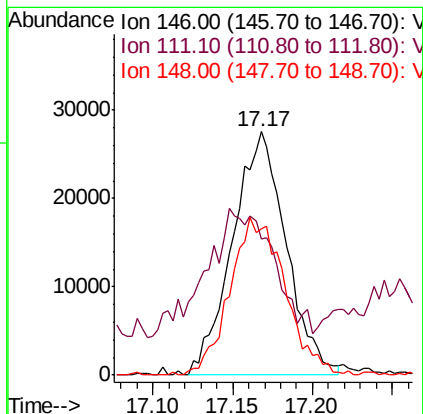
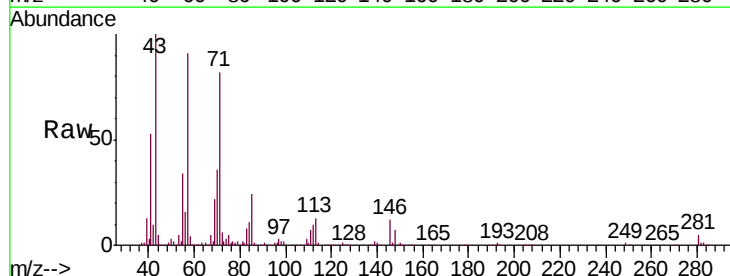
Delta R.T. -0.14 min

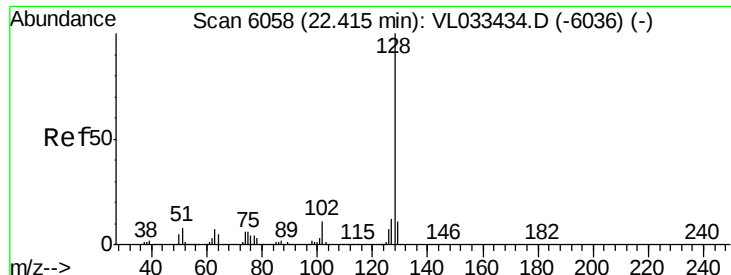
Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Tgt Ion:146 Resp: 63407

Ion	Ratio	Lower	Upper
146	100		
111	77.3	21.7	65.1#
148	66.9	32.0	96.2





#79

Naphthalene

Concen: 0.125 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. 0.01 min

Lab File: VL033552.D

Acq: 5 Apr 2019 3:30

Instrument :

MSVOA_L

ClientSampleId :

SV2

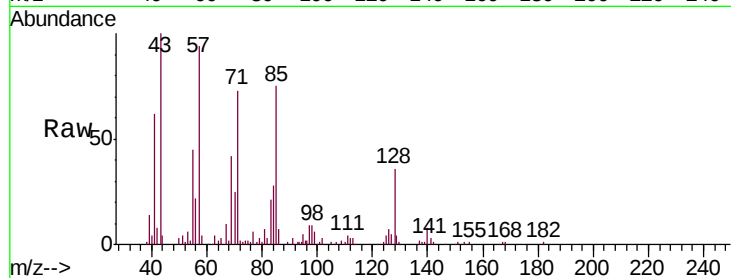
Tgt Ion:128 Resp: 37135

Ion Ratio Lower Upper

128 100

127 4.4 9.8 14.8#

129 11.2 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

