

Data File : VL032879.D
Acq On : 4 Dec 2018 16:45
Operator : SY/AP
Sample : J6175-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02

Quant Time: Dec 05 05:47:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1407966	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3565400	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3701526	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2760903	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	96153	0.475	ppbv	96
3) Chlorodifluoromethane	3.02	51	43073	0.386	ppbv #	90
4) Chloromethane	3.17	50	10617	0.172	ppbv	98
9) Propene	3.04	41	1517549	33.972	ppbv	95
10) Heptane	8.25	43	110762	0.649	ppbv	93
11) Trichlorofluoromethane	4.01	101	46076	0.242	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	8914	0.057	ppbv #	39
13) Ethanol	3.66	45	202806	13.861	ppbv	99
15) Acetone	3.90	43	3171748	24.668	ppbv #	84
16) 1,3-Butadiene	3.35	39	1359576	27.304	ppbv #	17
17) tert-Butyl alcohol	4.37	59	78213	1.939	ppbv #	84
19) Isopropyl Alcohol	4.04	45	12224	0.143	ppbv #	95
20) Methylene Chloride	4.42	84	74186	1.114	ppbv	85
21) Allyl Chloride	4.47	41	12261	0.113	ppbv #	12
23) Vinyl Acetate	5.15	43	123027	0.525	ppbv #	1
25) Ethyl Acetate	5.79	43	152679	0.509	ppbv #	84
26) Hexane	5.79	57	192907	1.446	ppbv #	3
27) Carbon Disulfide	4.63	76	1212778	7.170	ppbv	98
30) Cyclohexane	7.26	84	236417	2.026	ppbv #	76
34) 2-Butanone	5.33	43	11238736	60.775	ppbv	94
36) Benzene	7.02	78	13135645	46.266	ppbv #	90
39) 1,2-Dichloropropane	7.31	63	843066	7.794	ppbv #	22
42) Bromodichloromethane	7.93	83	7785	0.030	ppbv #	43
44) 2,2,4-Trimethylpentane	8.00	57	160646	0.339	ppbv #	41
51) 2-Hexanone	10.28	43	1292769	6.947	ppbv #	96
52) Tetrachloroethene	11.39	164	8126	0.082	ppbv #	85
53) Toluene	9.96	91	11931326	40.282	ppbv	96
58) Ethyl Benzene	12.87	91	2178279	4.890	ppbv	100
59) m/p-Xylene	13.13	91	6134905	15.470	ppbv	95
60) o-Xylene	13.86	91	5457337	13.686	ppbv	97
61) Styrene	13.70	104	659263	2.540	ppbv	98
62) Isopropylbenzene	14.83	105	134710	0.250	ppbv #	50
64) n-propylbenzene	15.73	120	84819	0.598	ppbv	98
65) tert-Butylbenzene	16.94	119	392062	0.811	ppbv #	61
66) Benzyl Chloride	17.37	91	11191	0.042	ppbv #	87
67) sec-Butylbenzene	17.47	105	44793	0.064	ppbv #	71
69) p-Isopropyltoluene	17.83	119	56451	0.102	ppbv #	39
70) n-Butylbenzene	18.73	91	156879	0.279	ppbv #	28
72) 4-Ethyltoluene	16.01	105	616946	1.412	ppbv	98
73) 1,3,5-Trimethylbenzene	16.17	105	1509277	3.532	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	3312153	7.243	ppbv #	69

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120418\
Quantitation Report (Not Reviewed)

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Quant Time: Dec 05 05:47:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.42	128	964947	3.212	ppbv	97
80) Naphthalene,2-methyl-	25.13	142	10697	0.142	ppbv #	87

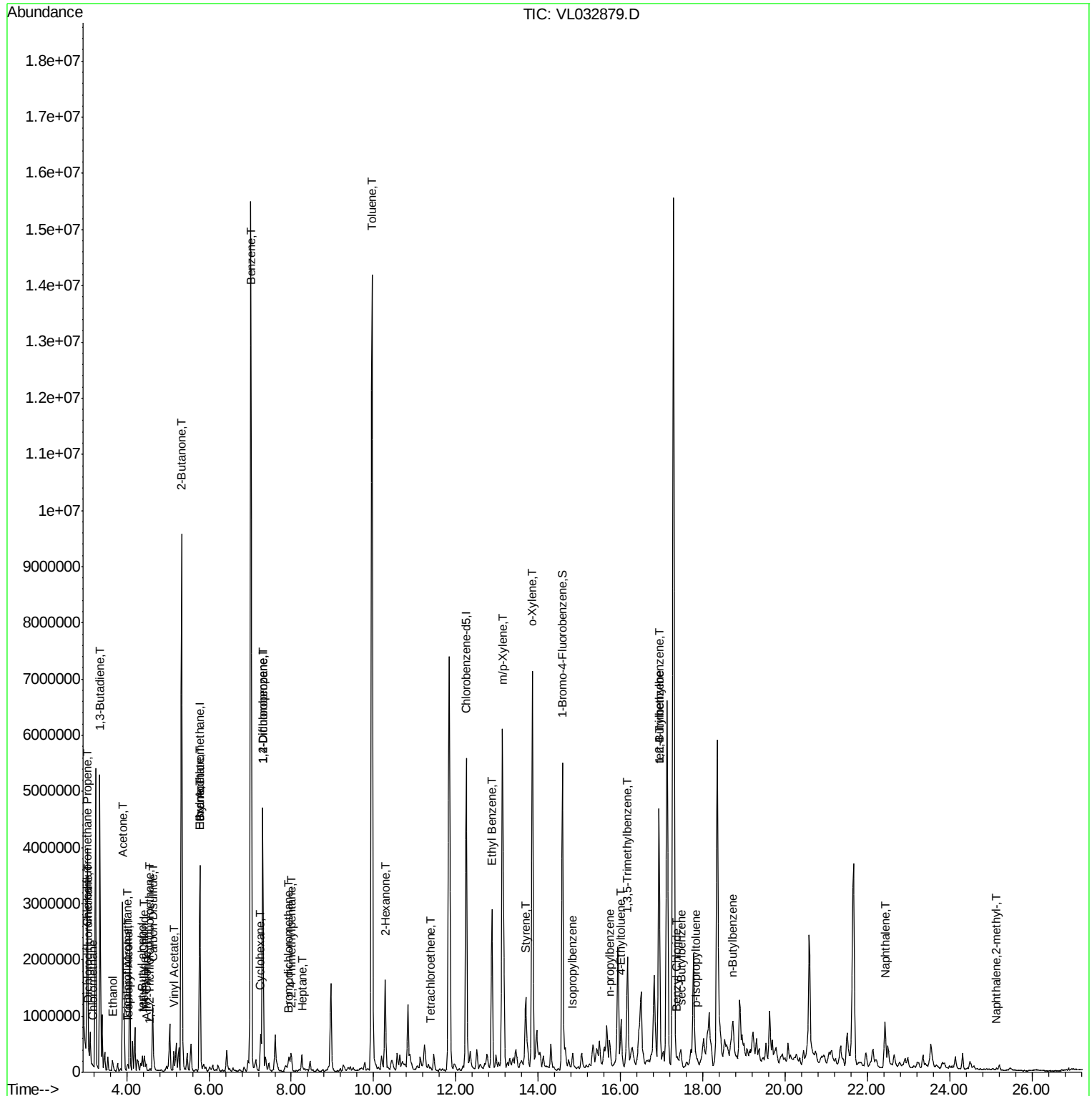
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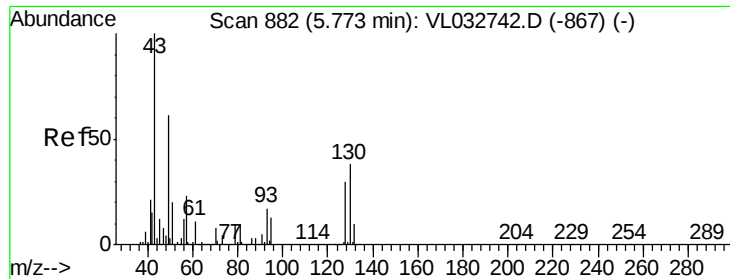
Data File : VL032879.D

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Acq On       : 4 Dec 2018 16:45
Operator     : SY/AP
Sample       : J6175-02
Misc         : 400ml/MSVOA_L
ALS Vial     : 1 Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
MMSV-02

Quant Time: Dec 05 05:47:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

MMSV-02

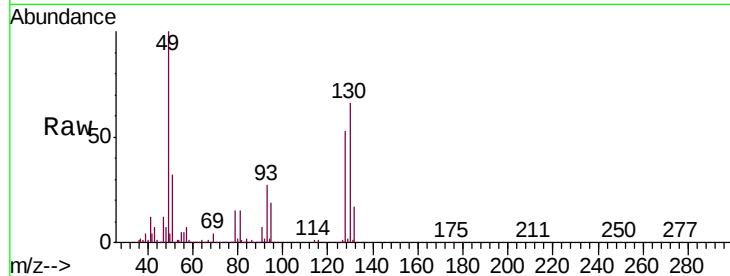
Tgt Ion: 49 Resp: 1407966

Ion Ratio Lower Upper

49 100

128 52.3 24.9 74.6

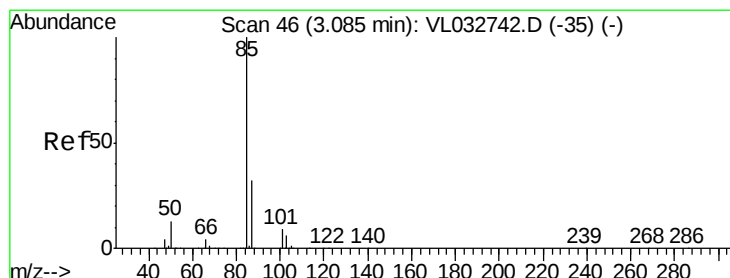
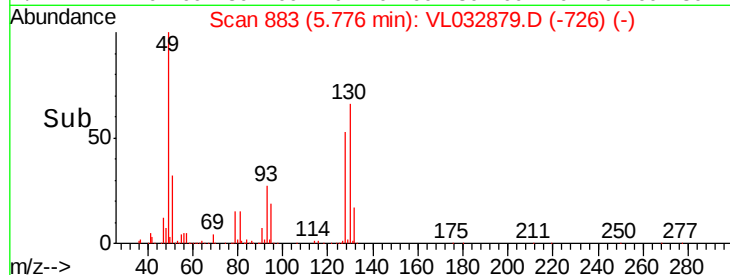
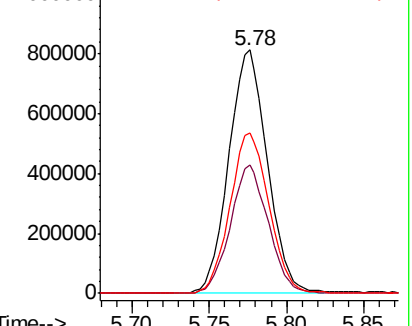
130 67.2 31.4 94.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.475 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032879.D

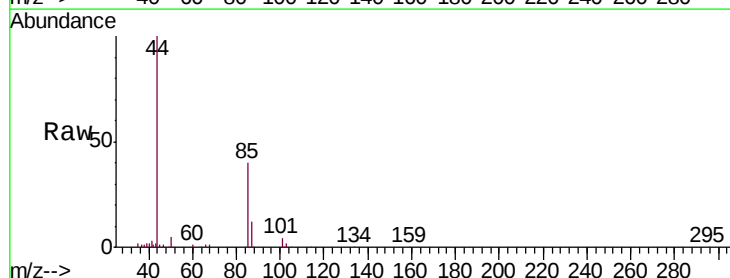
Acq: 4 Dec 2018 16:45

Tgt Ion: 85 Resp: 96153

Ion Ratio Lower Upper

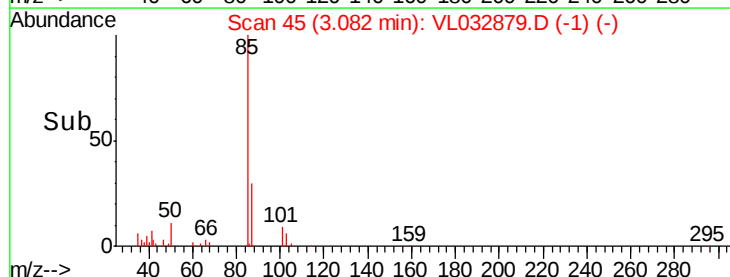
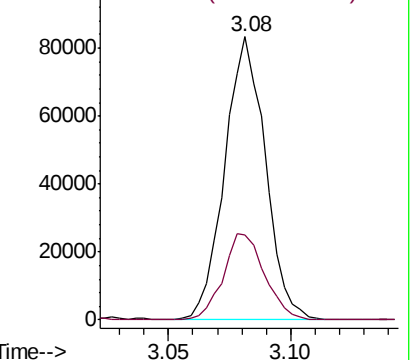
85 100

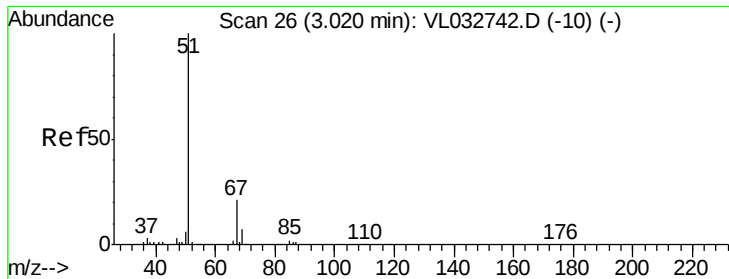
87 30.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

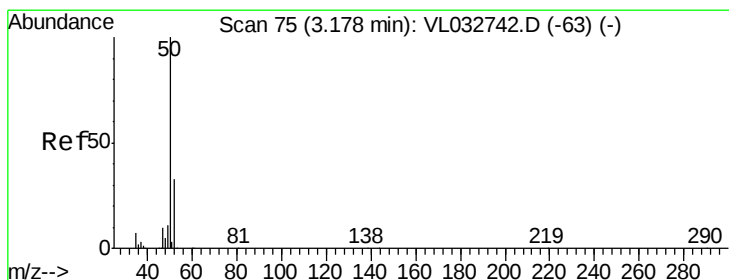
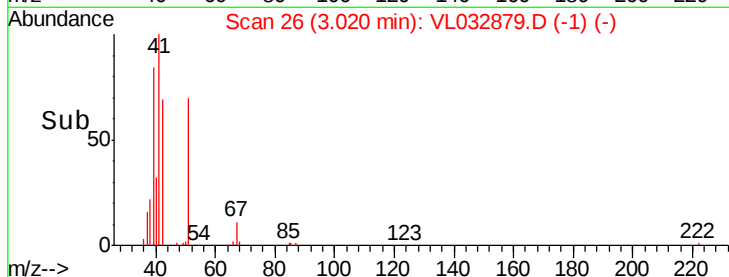
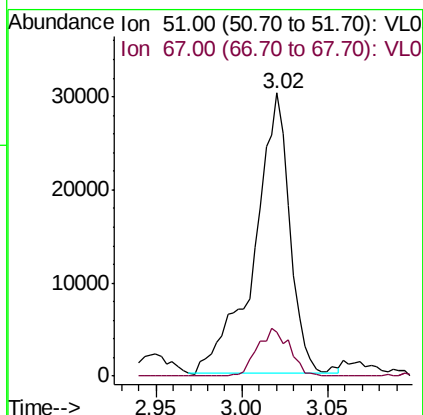
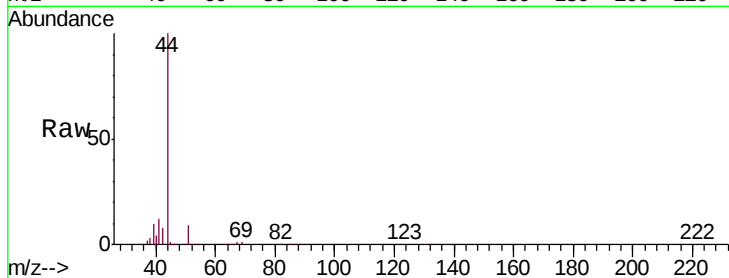




#3
 Chlorodifluoromethane
 Concen: 0.386 ppbv
 RT: 3.02 min Scan# 26
 Delta R.T. 0.00 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

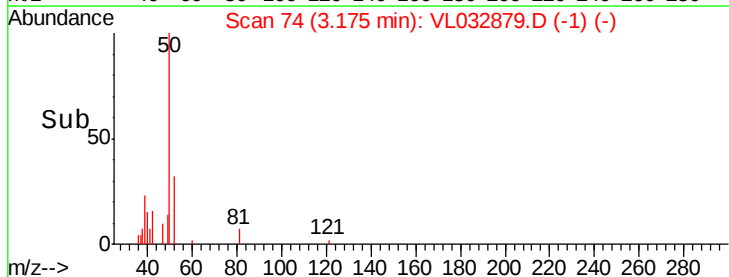
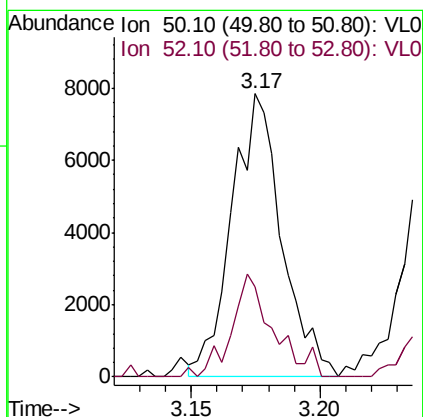
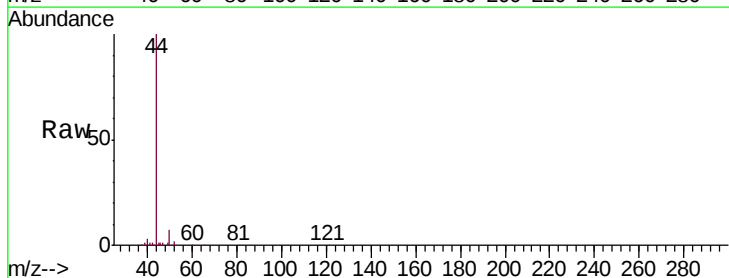
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-02

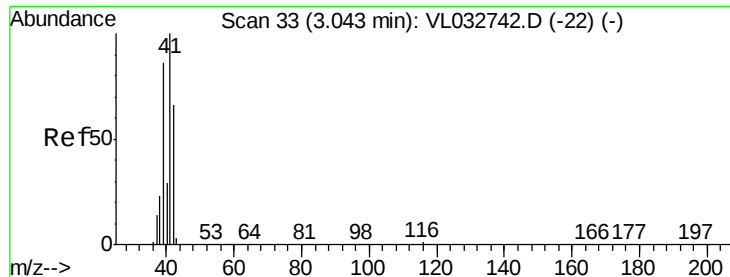
Tgt Ion: 51 Resp: 43073
 Ion Ratio Lower Upper
 51 100
 67 15.5 16.1 24.1#



#4
 Chloromethane
 Concen: 0.172 ppbv
 RT: 3.17 min Scan# 74
 Delta R.T. -0.00 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

Tgt Ion: 50 Resp: 10617
 Ion Ratio Lower Upper
 50 100
 52 32.0 26.6 40.0





#9

Propene

Concen: 33.972 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

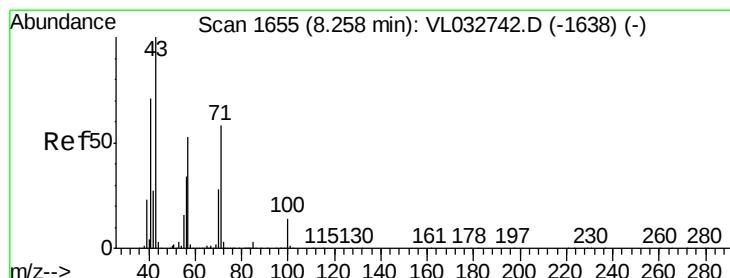
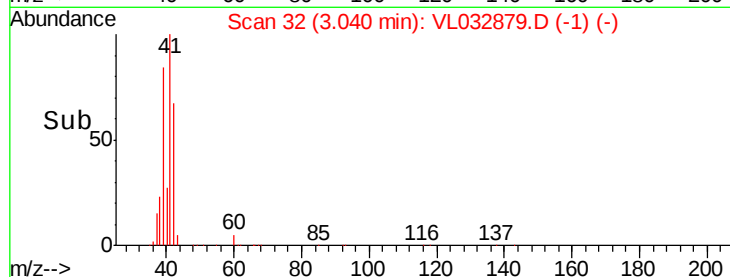
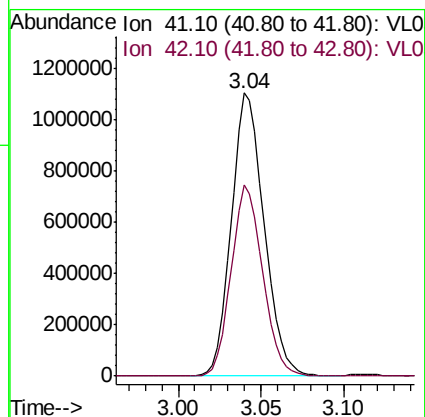
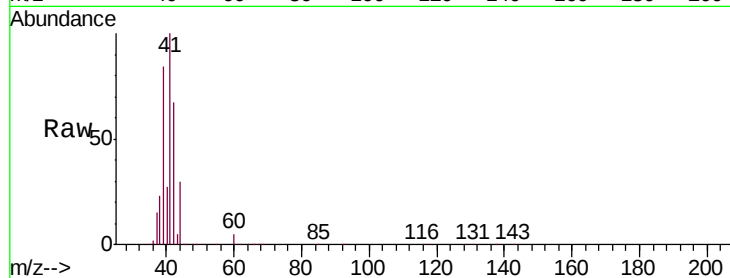
MMSV-02

Tgt Ion: 41 Resp: 1517549

Ion Ratio Lower Upper

41 100

42 64.8 55.0 82.6



#10

Heptane

Concen: 0.649 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032879.D

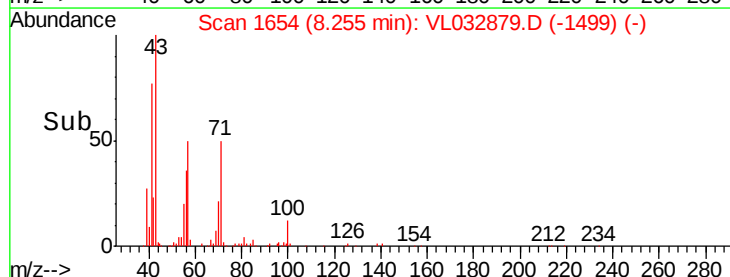
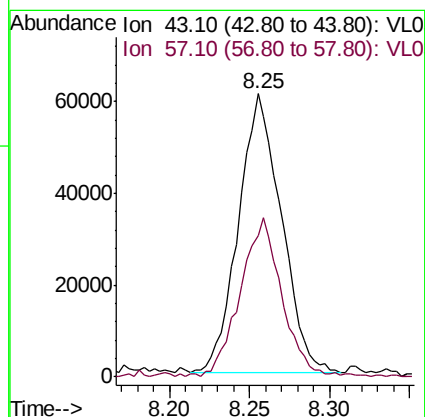
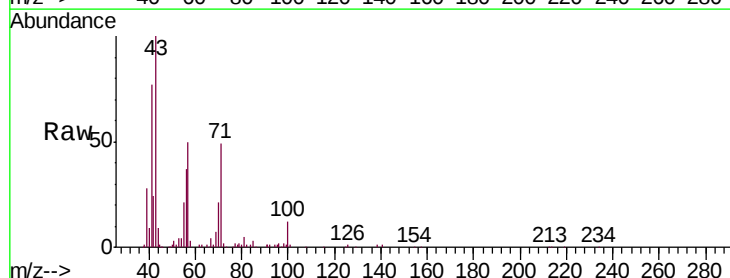
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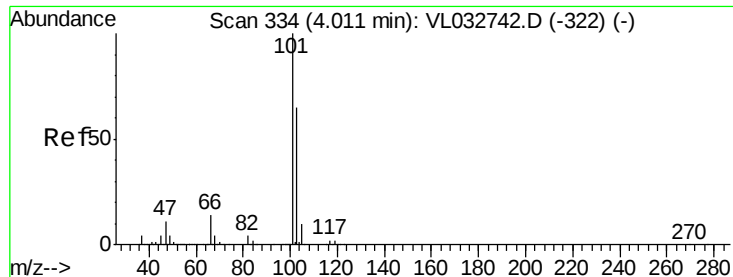
Tgt Ion: 43 Resp: 110762

Ion Ratio Lower Upper

43 100

57 57.3 41.8 62.8

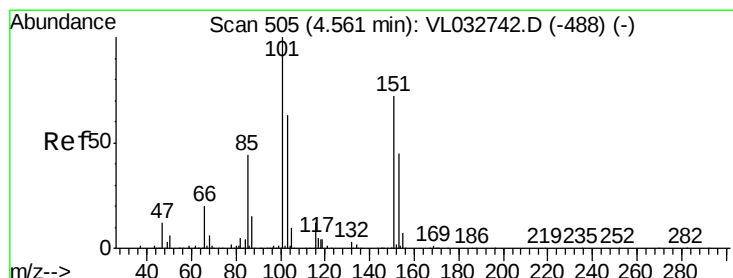
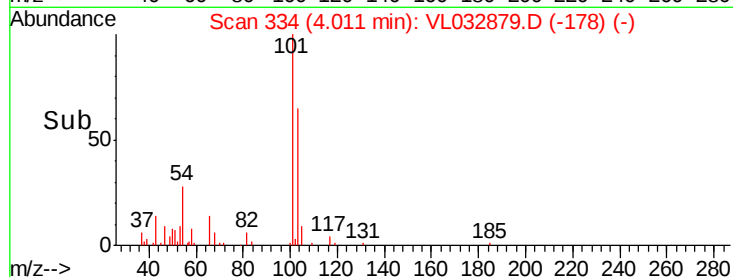
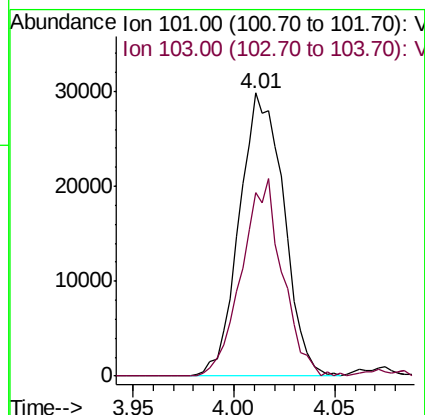
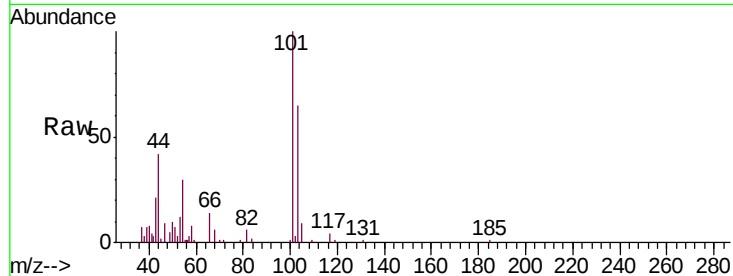




#11
 Trichlorofluoromethane
 Concen: 0.242 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

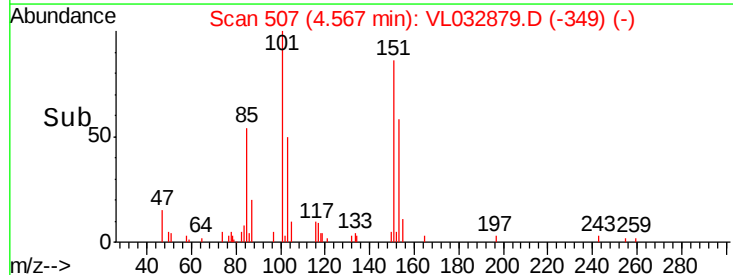
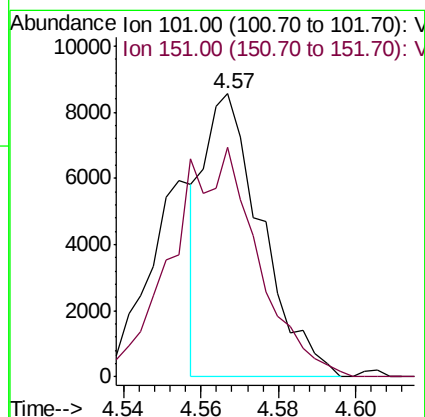
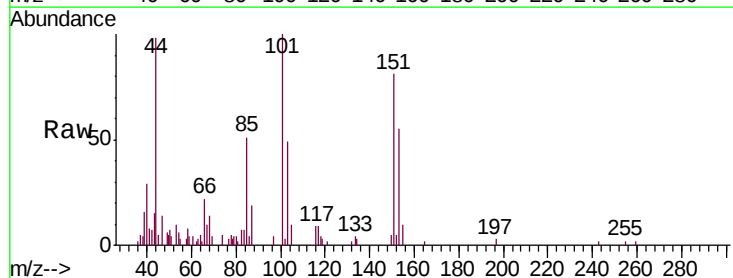
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-02

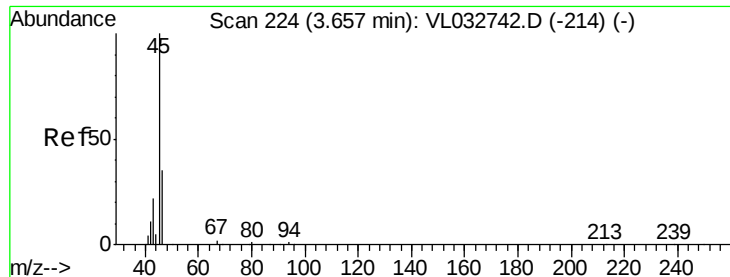
Tgt Ion:101 Resp: 46076
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.057 ppbv
 RT: 4.57 min Scan# 507
 Delta R.T. 0.01 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

Tgt Ion:101 Resp: 8914
 Ion Ratio Lower Upper
 101 100
 151 121.1 56.7 85.1#





#13

Ethanol

Concen: 13.861 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

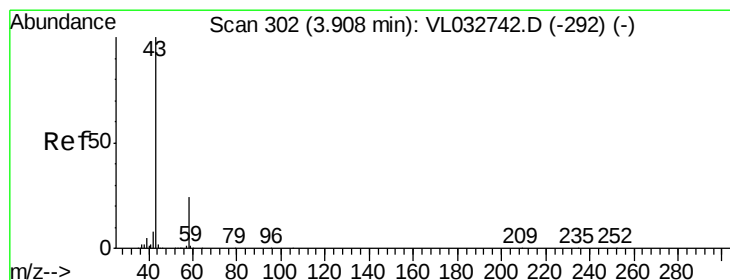
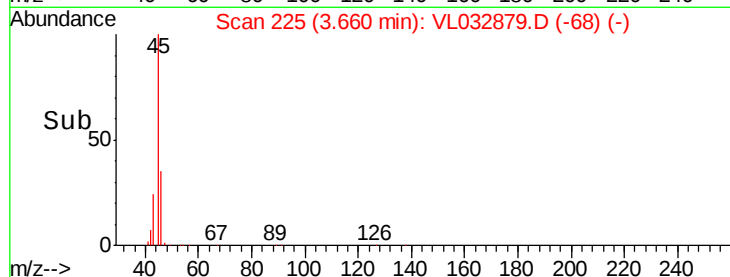
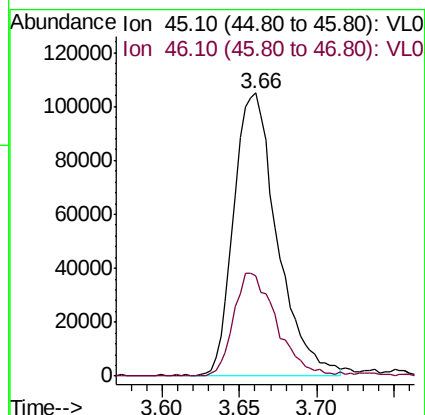
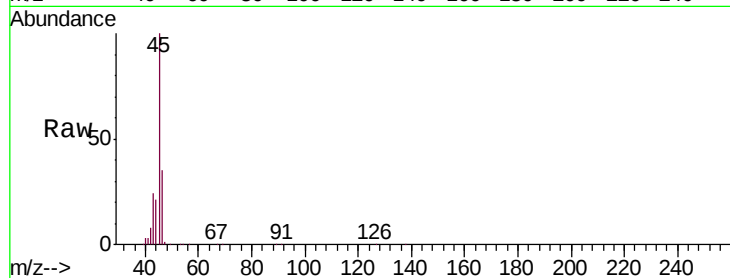
MMSV-02

Tgt Ion: 45 Resp: 202806

Ion Ratio Lower Upper

45 100

46 36.5 14.5 57.9



#15

Acetone

Concen: 24.668 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL032879.D

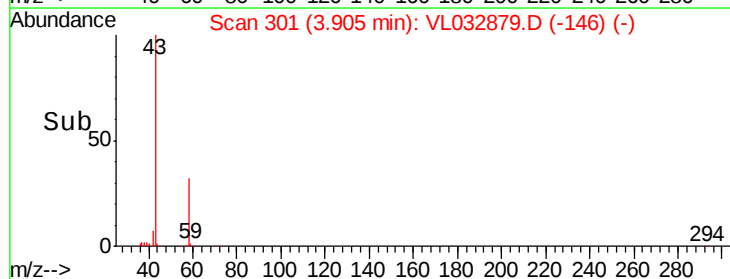
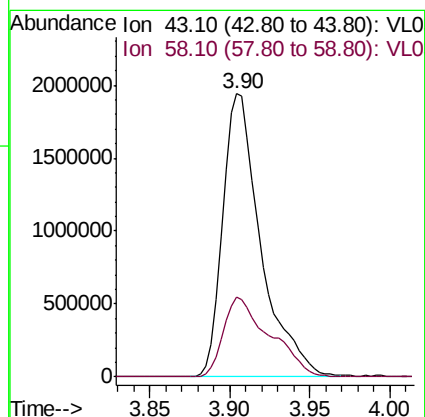
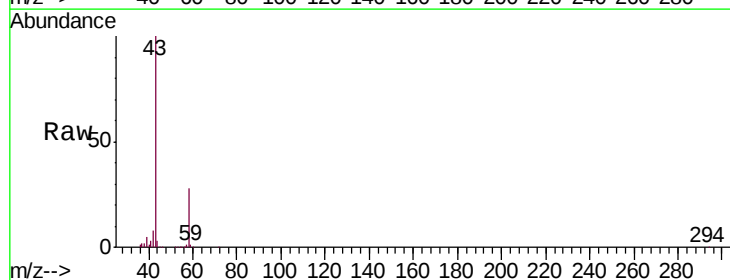
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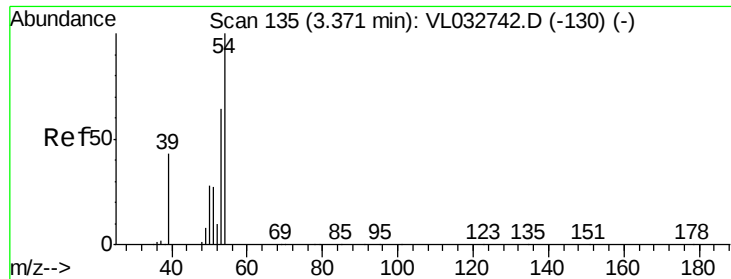
Tgt Ion: 43 Resp: 3171748

Ion Ratio Lower Upper

43 100

58 34.7 21.1 31.7#





#16

1,3-Butadiene

Concen: 27.304 ppbv

RT: 3.35 min Scan# 129

Delta R.T. -0.02 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

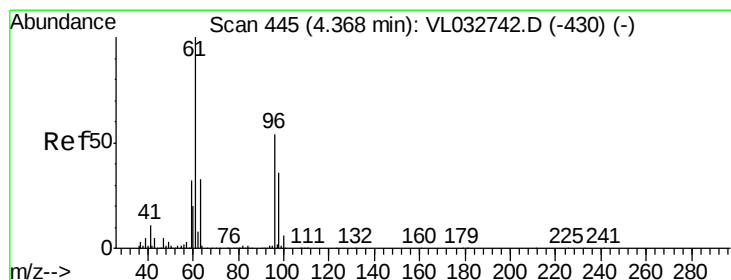
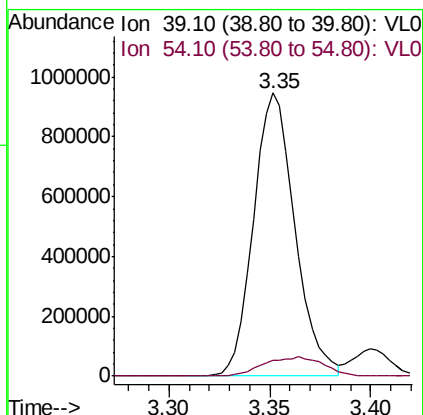
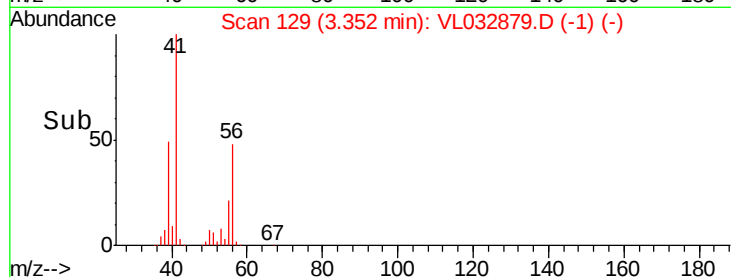
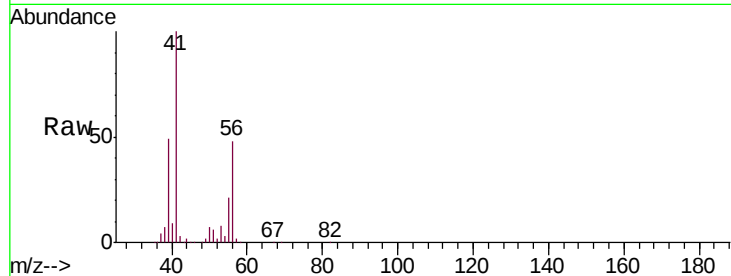
MMSV-02

Tgt Ion: 39 Resp: 1359576

Ion Ratio Lower Upper

39 100

54 9.9 68.9 103.3#



#17

tert-Butyl alcohol

Concen: 1.939 ppbv

RT: 4.37 min Scan# 447

Delta R.T. 0.01 min

Lab File: VL032879.D

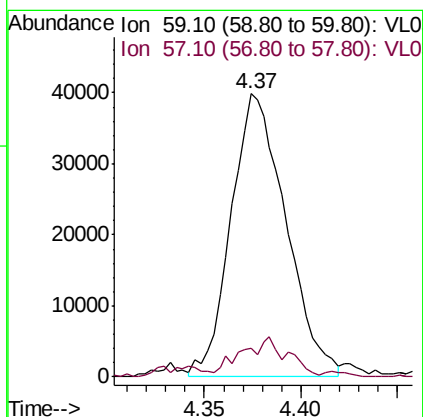
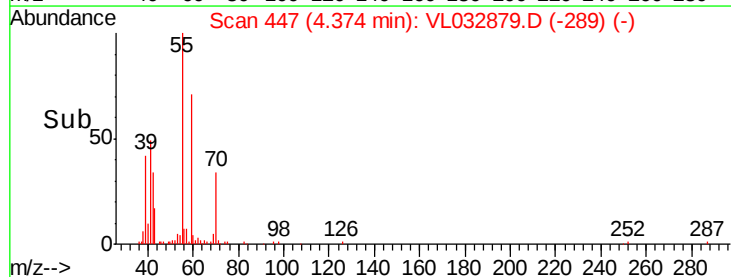
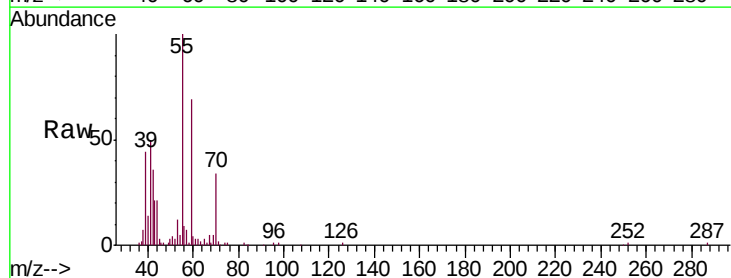
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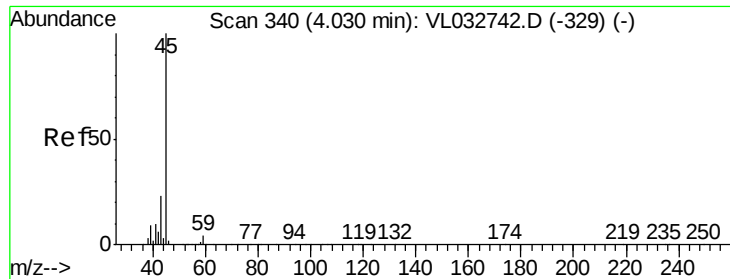
Tgt Ion: 59 Resp: 78213

Ion Ratio Lower Upper

59 100

57 15.6 7.8 11.8#





#19

Isopropyl Alcohol

Concen: 0.143 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.01 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

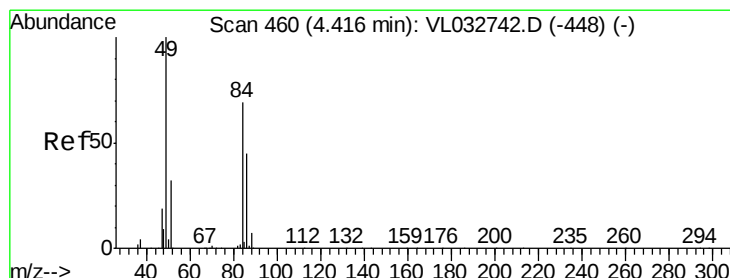
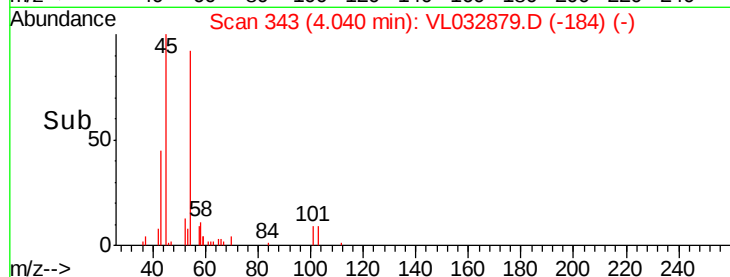
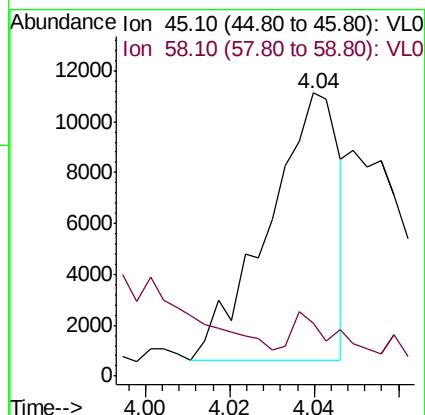
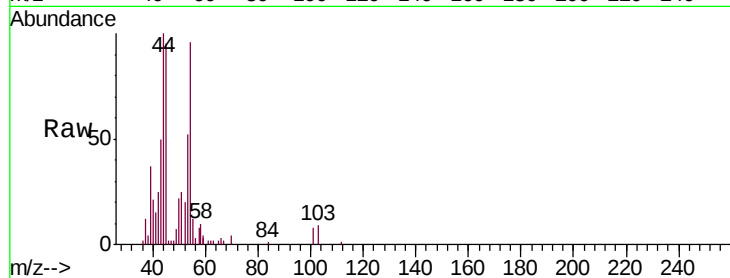
MMSV-02

Tgt Ion: 45 Resp: 12224

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



#20

Methylene Chloride

Concen: 1.114 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Tgt Ion: 84 Resp: 74186

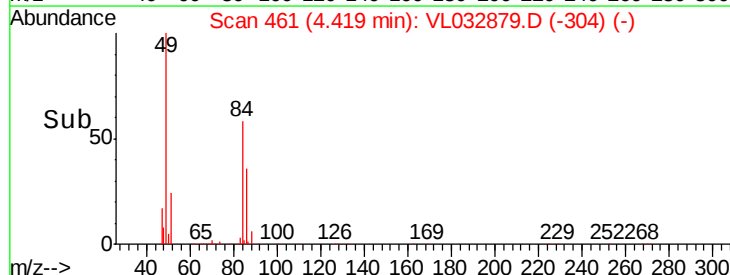
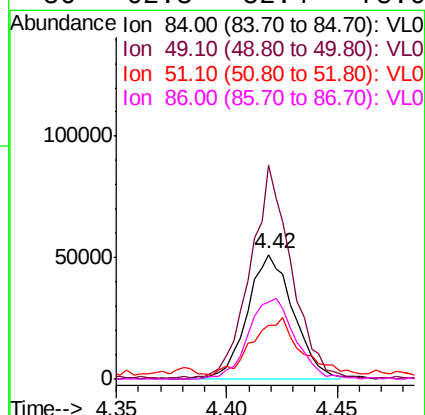
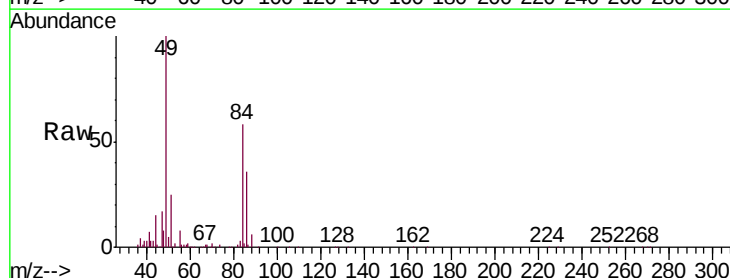
Ion Ratio Lower Upper

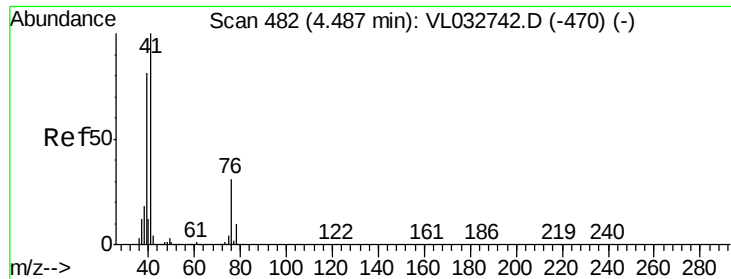
84 100

49 171.2 115.8 173.6

51 37.4 36.9 55.3

86 62.3 52.4 78.6

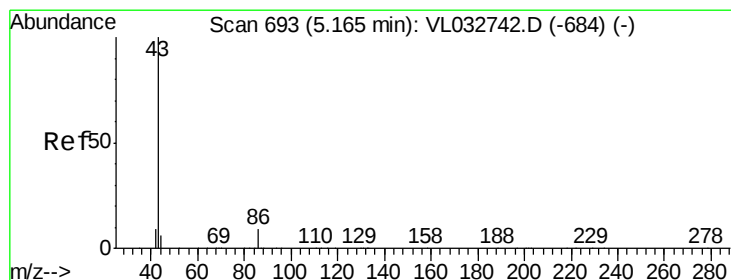
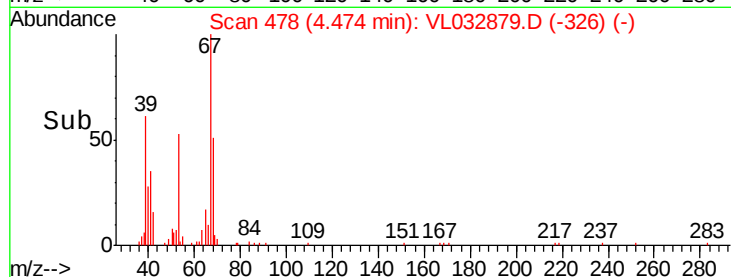
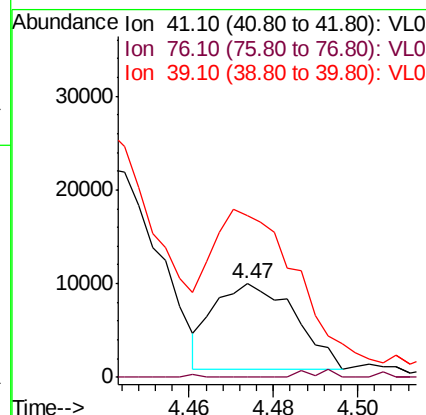
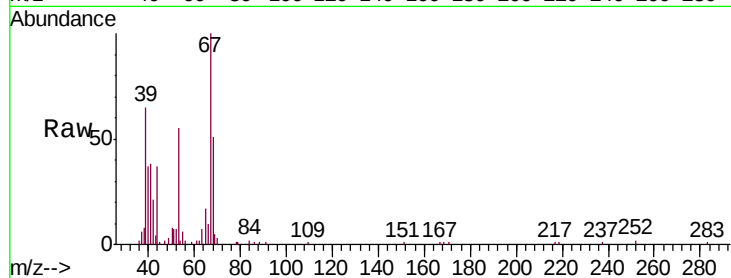




#21
 Allyl Chloride
 Concen: 0.113 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

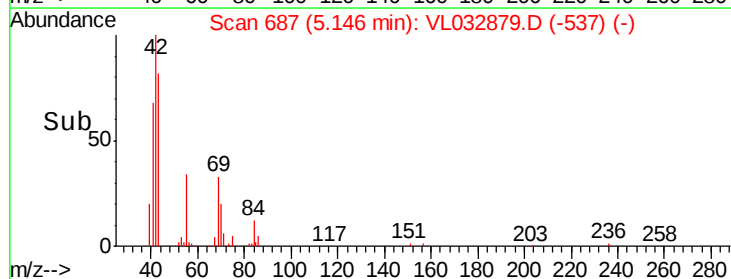
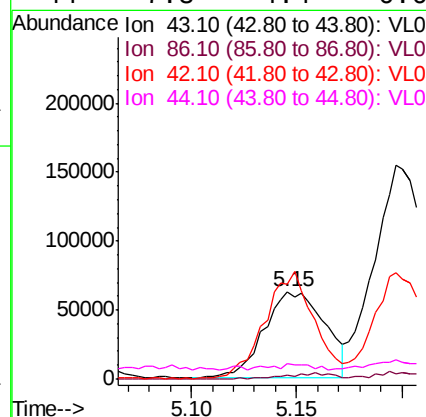
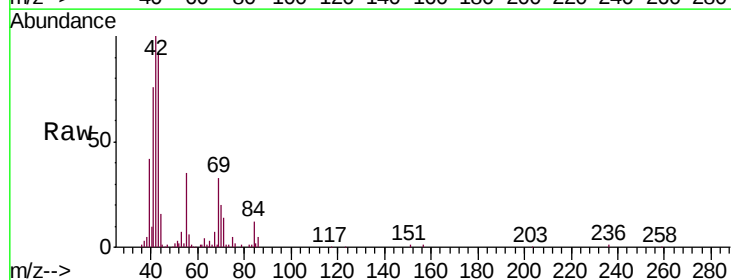
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-02

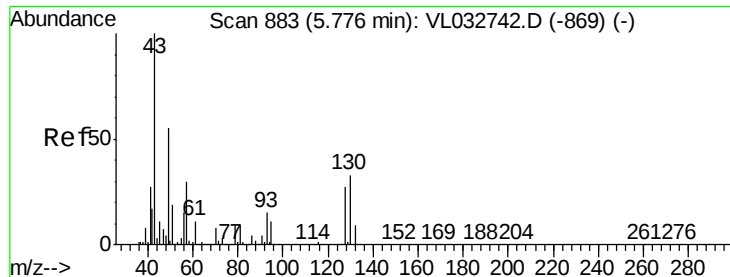
Tgt Ion: 41 Resp: 12261
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.4 36.6#
 39 167.8 63.5 95.3#



#23
 Vinyl Acetate
 Concen: 0.525 ppbv
 RT: 5.15 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

Tgt Ion: 43 Resp: 123027
 Ion Ratio Lower Upper
 43 100
 86 5.0 6.2 9.4#
 42 108.0 7.8 11.6#
 44 7.8 4.4 6.6#





#25

Ethyl Acetate

Concen: 0.509 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.01 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampled :

MMSV-02

Tgt Ion: 43 Resp: 152679

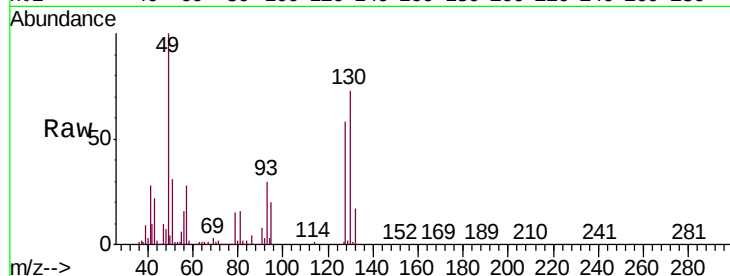
Ion Ratio Lower Upper

43 100

45 3.4 7.9 11.9#

61 1.5 7.8 11.6#

70 5.1 5.8 8.6#

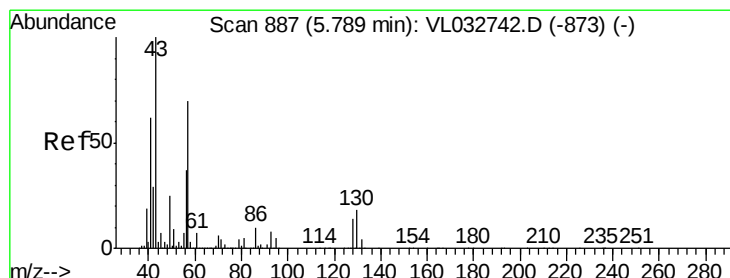
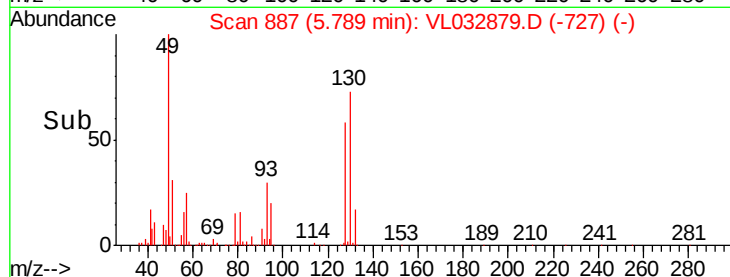
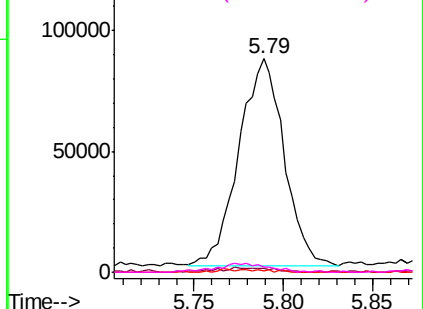


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.446 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Tgt Ion: 57 Resp: 192907

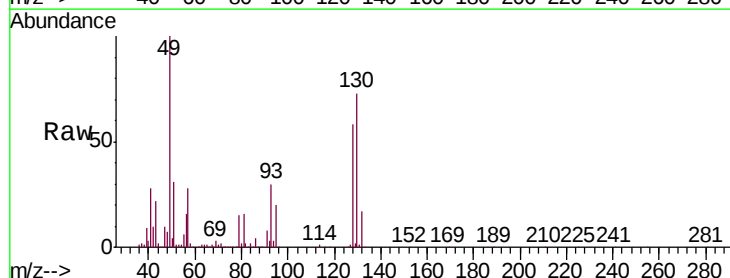
Ion Ratio Lower Upper

57 100

41 131.6 70.3 105.5#

43 0.0 174.0 261.0#

56 67.8 42.3 63.5#

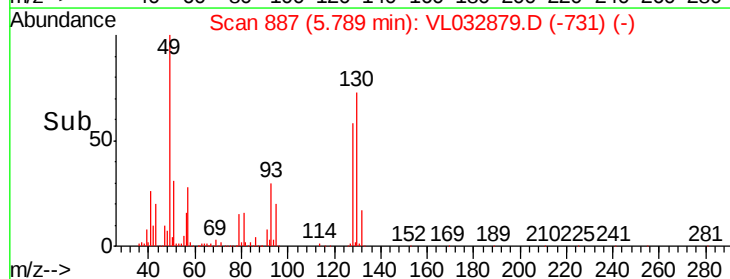
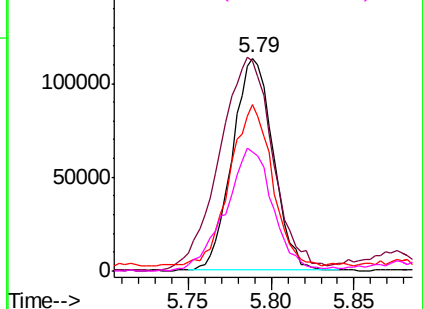


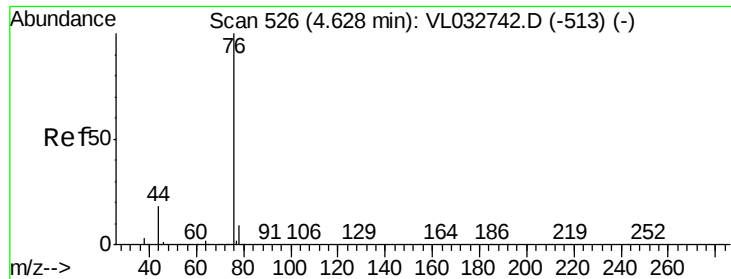
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 7.170 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

MMSV-02

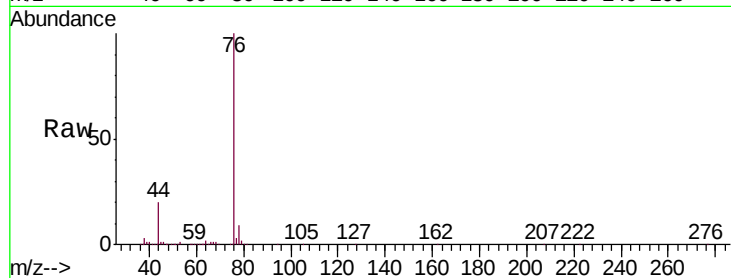
Tgt Ion: 76 Resp: 1212778

Ion Ratio Lower Upper

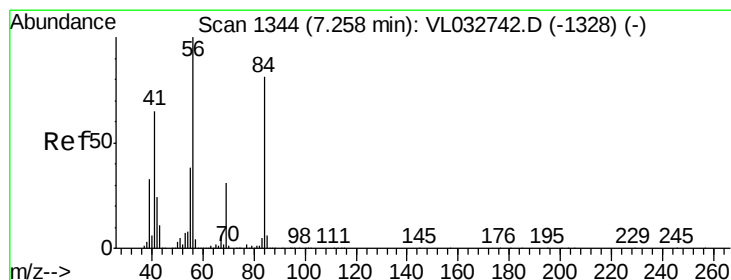
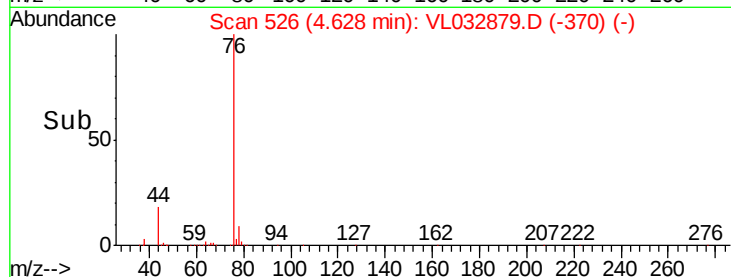
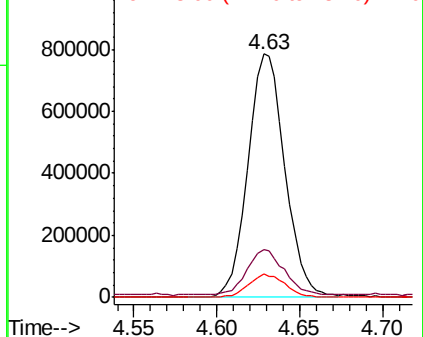
76 100

44 19.5 14.4 21.6

78 9.6 7.7 11.5



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



#30

Cyclohexane

Concen: 2.026 ppbv

RT: 7.26 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

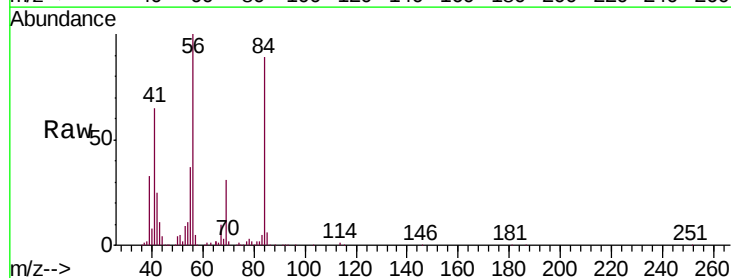
Tgt Ion: 84 Resp: 236417

Ion Ratio Lower Upper

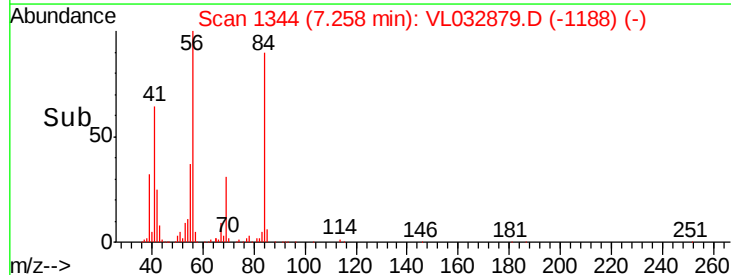
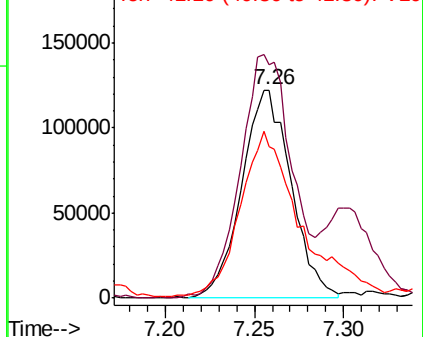
84 100

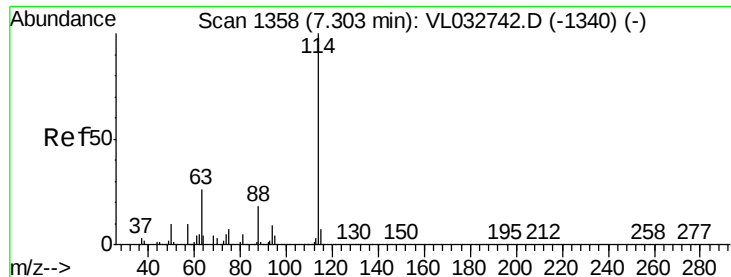
56 164.5 105.0 157.4#

41 97.4 65.3 97.9



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

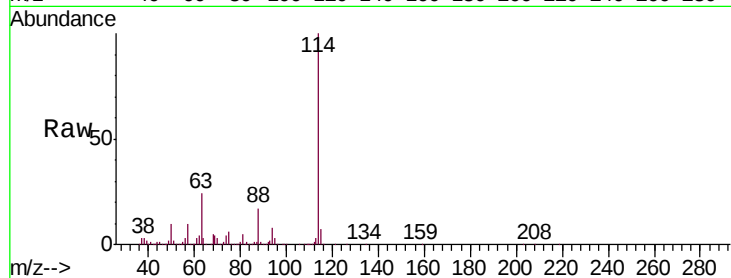




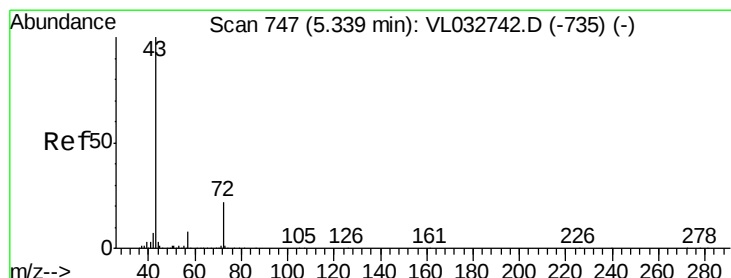
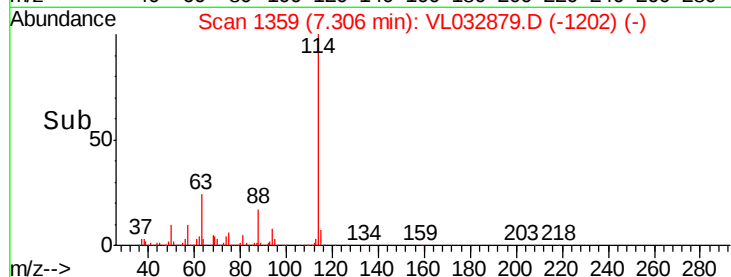
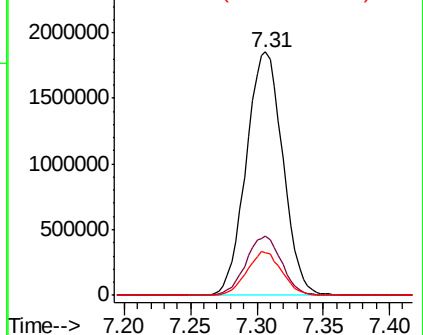
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-02

Tgt Ion:114 Resp: 3565400
 Ion Ratio Lower Upper
 114 100
 63 23.9 20.9 31.3
 88 17.1 14.4 21.6

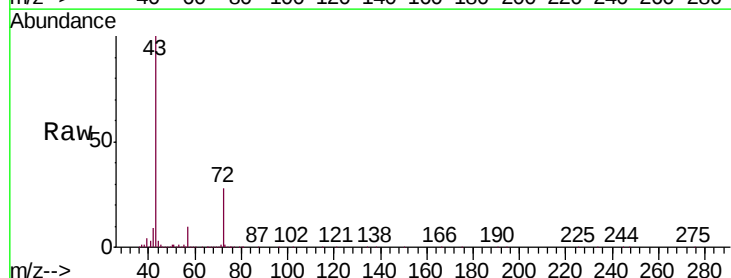


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

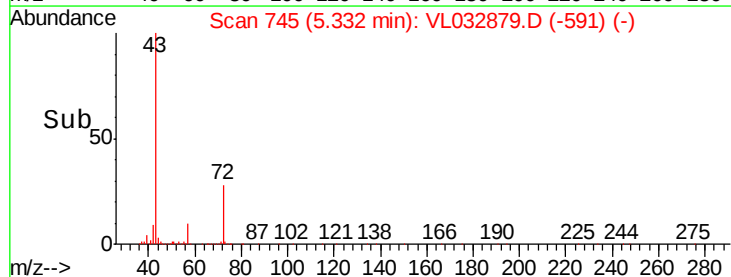
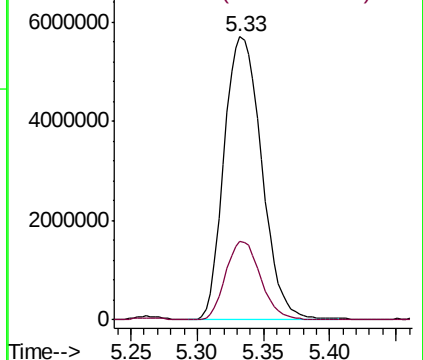


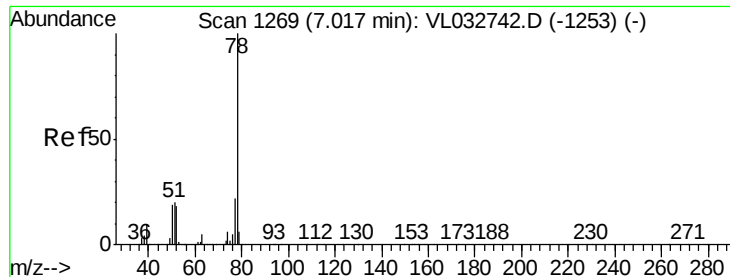
#34
 2-Butanone
 Concen: 60.775 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

Tgt Ion: 43 Resp:11238736
 Ion Ratio Lower Upper
 43 100
 72 25.9 18.4 27.6



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





#36

Benzene

Concen: 46.266 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

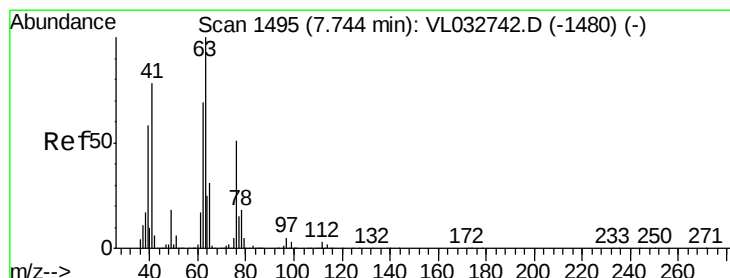
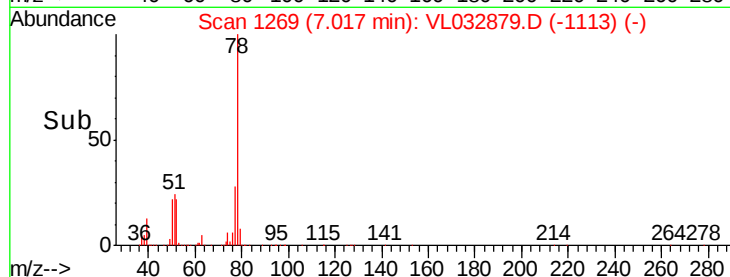
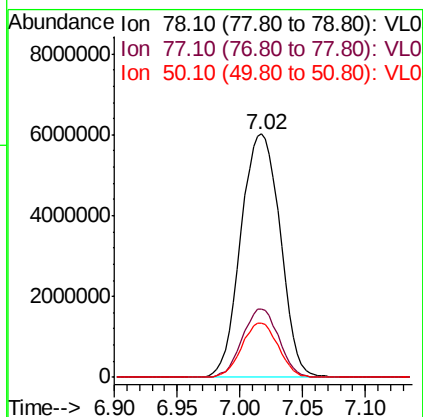
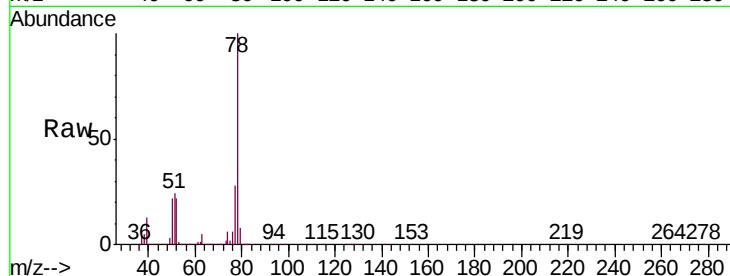
MSVOA_L

ClientSampleId :

MMSV-02

Tgt Ion: 78 Resp:13135645

Ion	Ratio	Lower	Upper
78	100		
77	28.1	17.8	26.8#
50	22.3	15.4	23.0



#39

1,2-Dichloropropane

Concen: 7.794 ppbv

RT: 7.31 min Scan# 1359

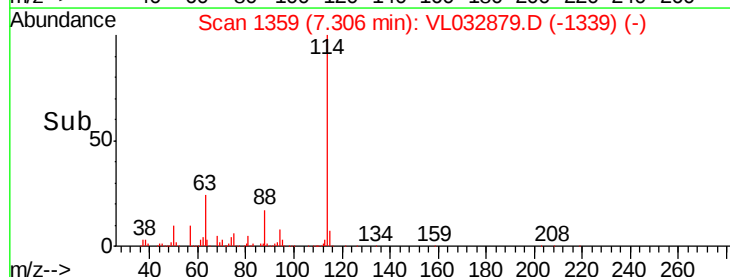
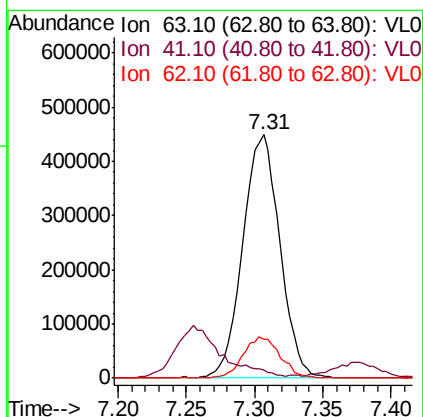
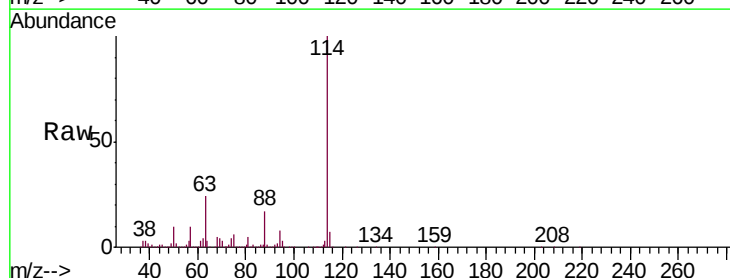
Delta R.T. -0.44 min

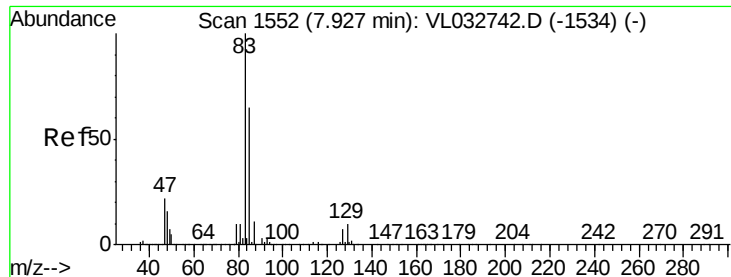
Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Tgt Ion: 63 Resp: 843066

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.0	93.0#
62	16.0	55.4	83.2#





#42

Bromodichloromethane

Concen: 0.030 ppbv

RT: 7.93 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

MMSV-02

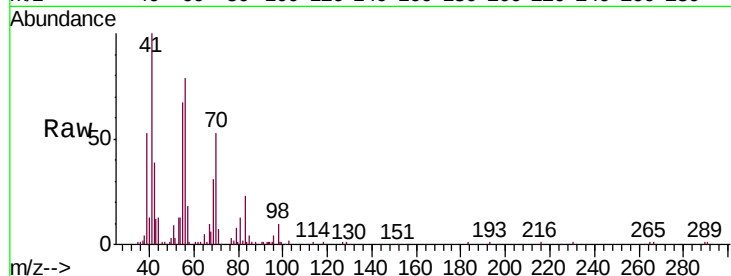
Tgt Ion: 83 Resp: 7785

Ion Ratio Lower Upper

83 100

85 14.9 51.8 77.8#

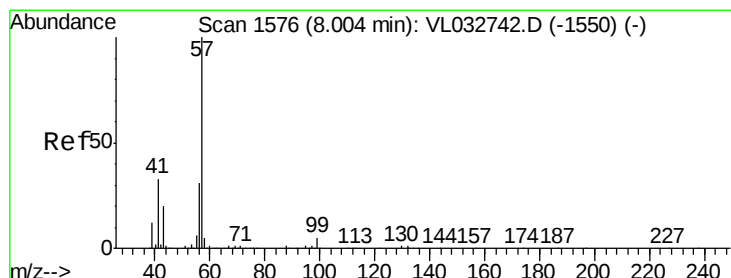
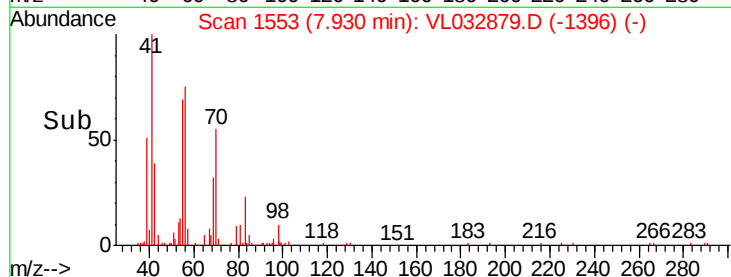
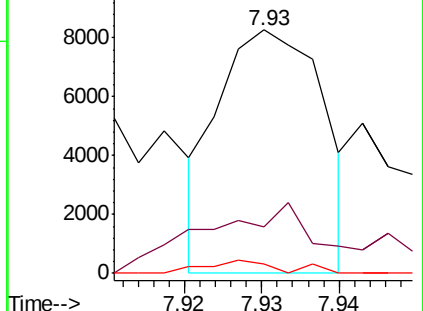
127 7.7 5.9 8.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.339 ppbv

RT: 8.00 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

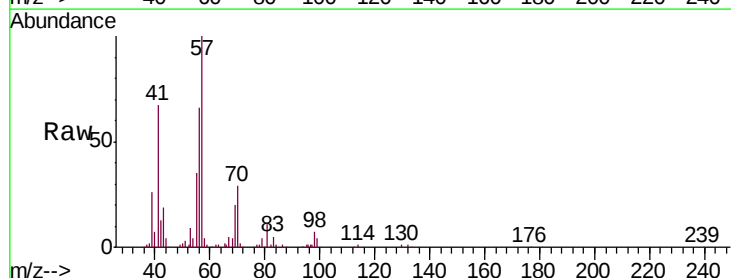
Tgt Ion: 57 Resp: 160646

Ion Ratio Lower Upper

57 100

41 63.6 26.6 39.8#

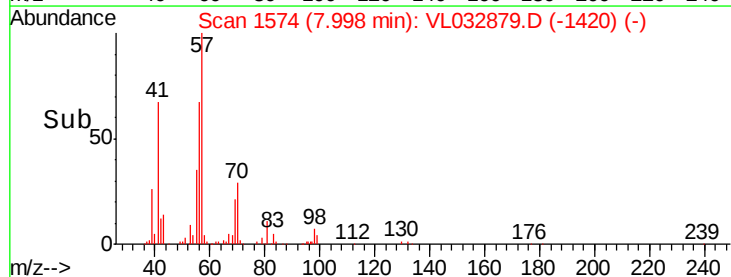
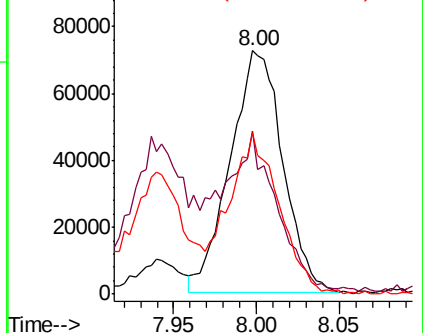
56 66.5 24.8 37.2#

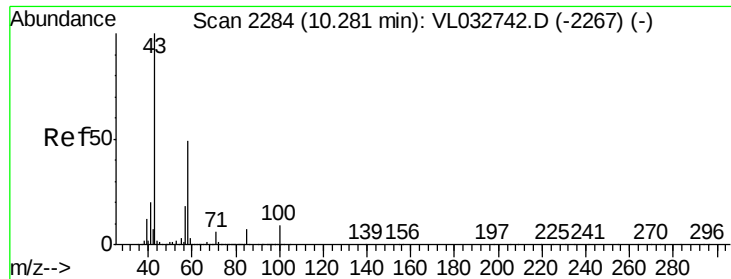


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

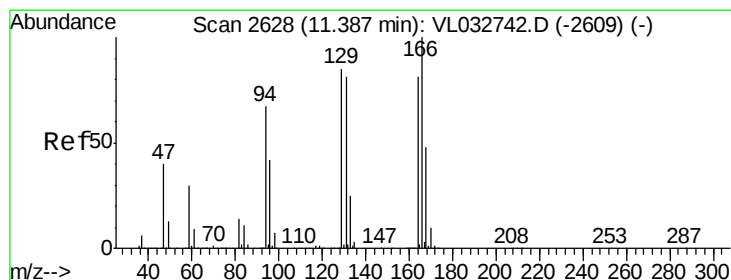
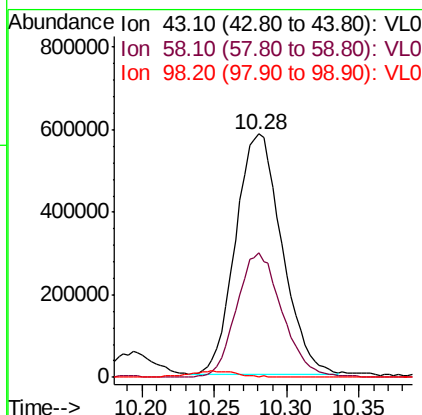
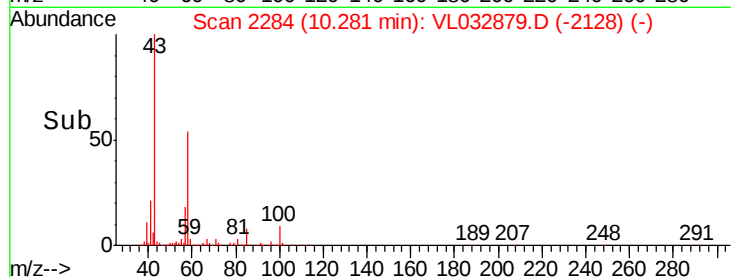
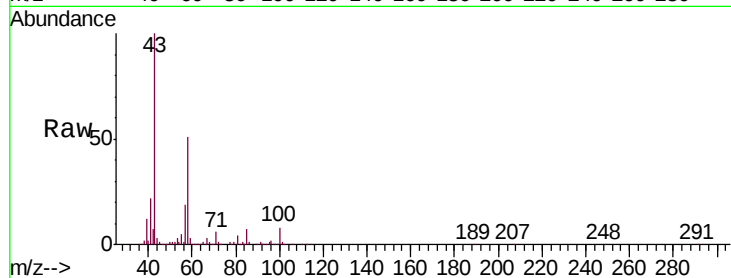




#51
2-Hexanone
Concen: 6.947 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032879.D
Acq: 4 Dec 2018 16:45

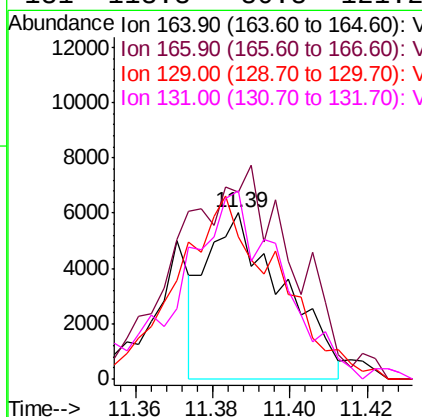
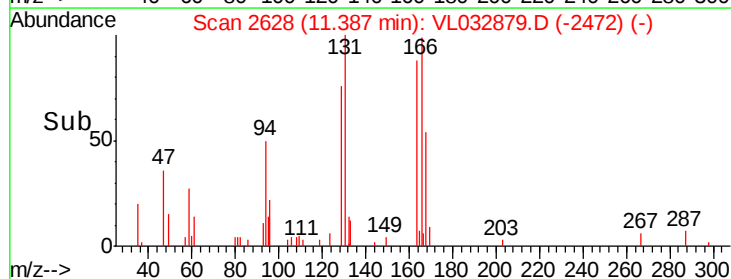
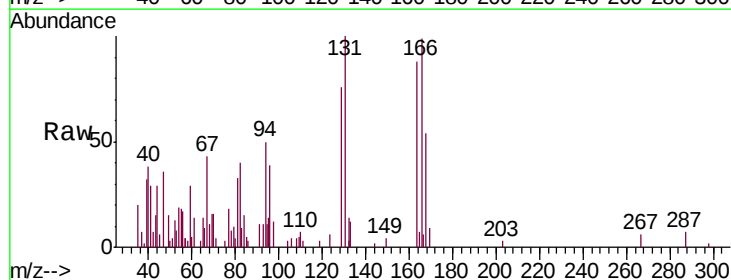
Instrument :
MSVOA_L
ClientSampleId :
MMSV-02

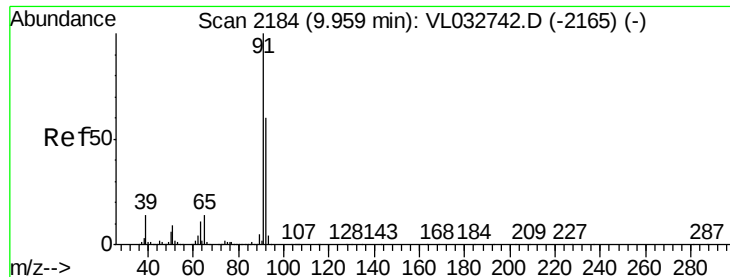
Tgt Ion: 43 Resp: 1292769
Ion Ratio Lower Upper
43 100
58 51.0 38.9 58.3
98 0.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.082 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. 0.00 min
Lab File: VL032879.D
Acq: 4 Dec 2018 16:45

Tgt Ion: 164 Resp: 8126
Ion Ratio Lower Upper
164 100
166 117.1 99.3 148.9
129 76.2 83.9 125.9#
131 113.3 80.8 121.2





#53

Toluene

Concen: 40.282 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

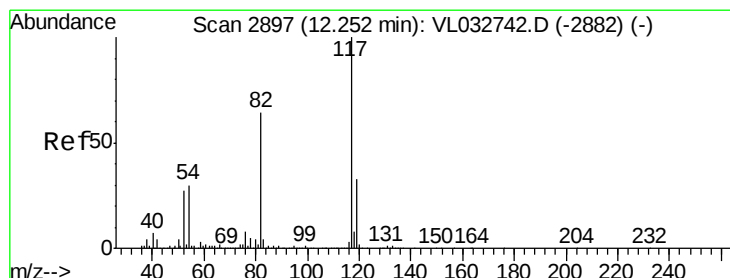
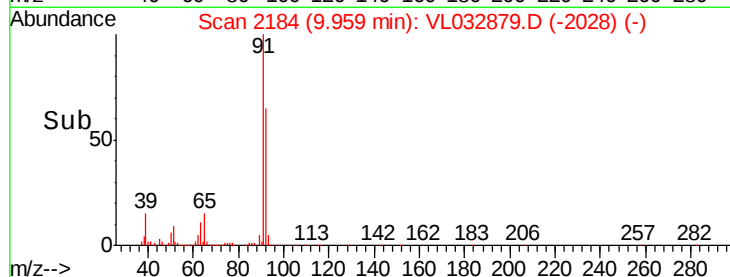
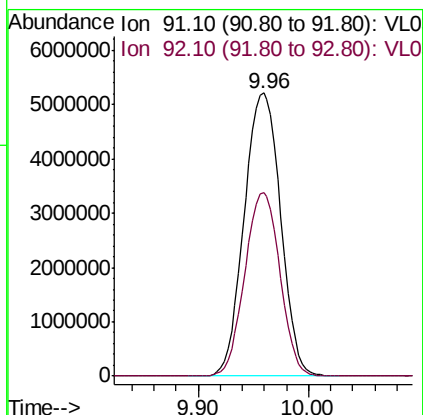
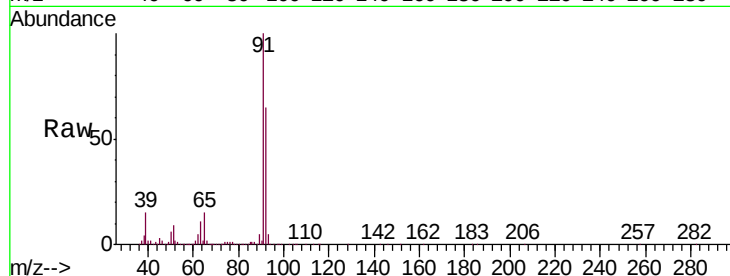
MMSV-02

Tgt Ion: 91 Resp: 11931326

Ion Ratio Lower Upper

91 100

92 62.8 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

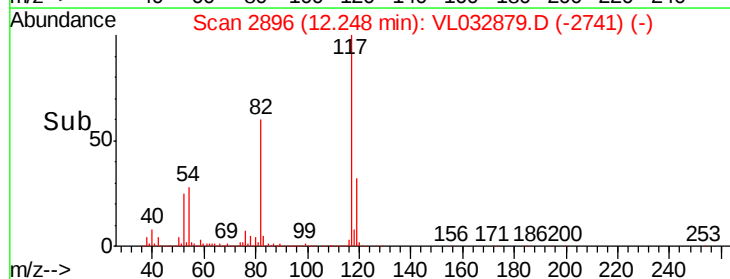
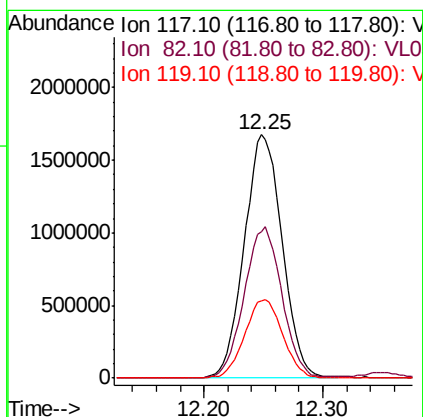
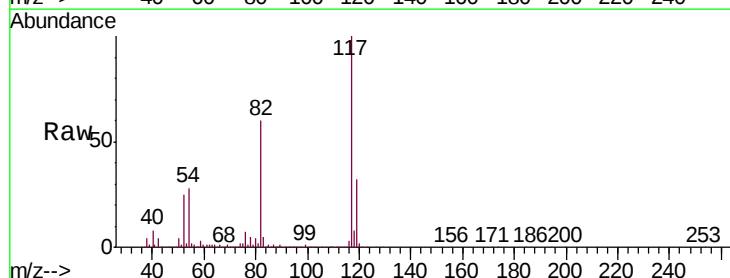
Tgt Ion: 117 Resp: 3701526

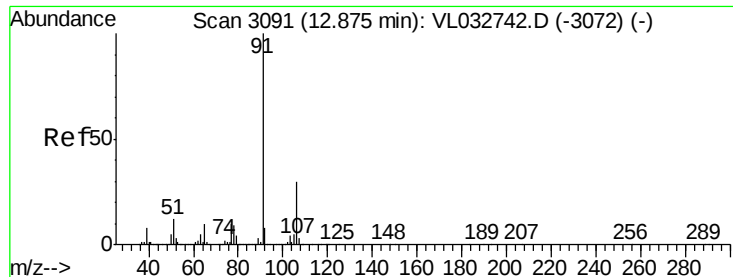
Ion Ratio Lower Upper

117 100

82 61.8 51.0 76.6

119 32.4 28.0 42.0





#58

Ethyl Benzene

Concen: 4.890 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampled :

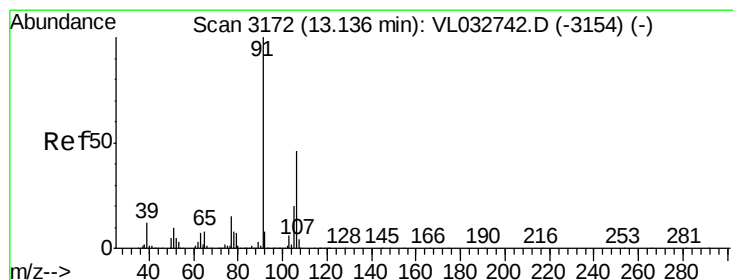
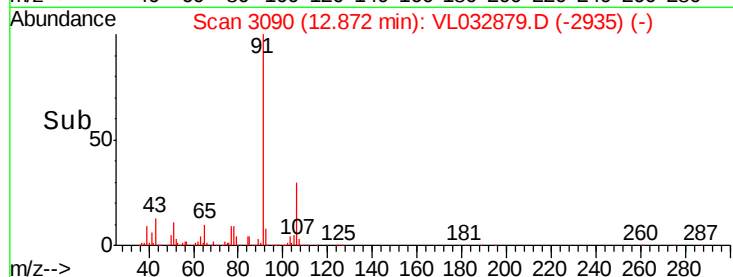
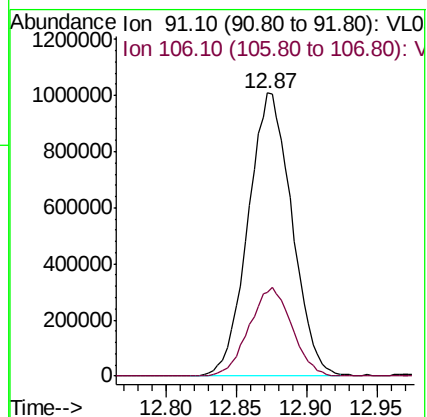
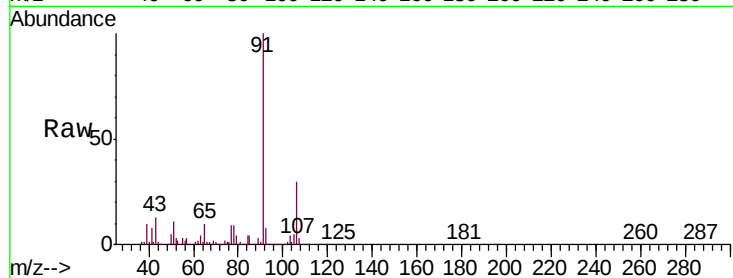
MMSV-02

Tgt Ion: 91 Resp: 2178279

Ion Ratio Lower Upper

91 100

106 29.6 23.6 35.4



#59

m/p-Xylene

Concen: 15.470 ppbv

RT: 13.13 min Scan# 3170

Delta R.T. -0.01 min

Lab File: VL032879.D

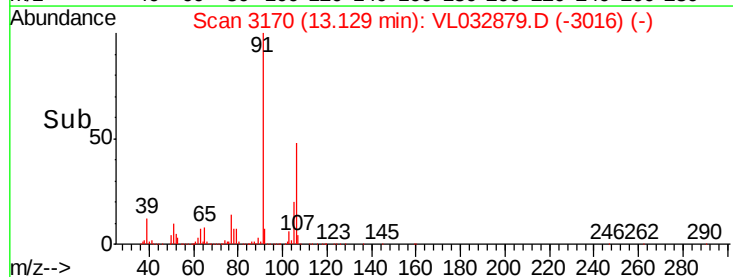
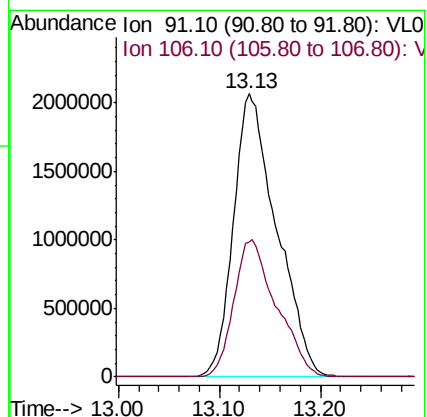
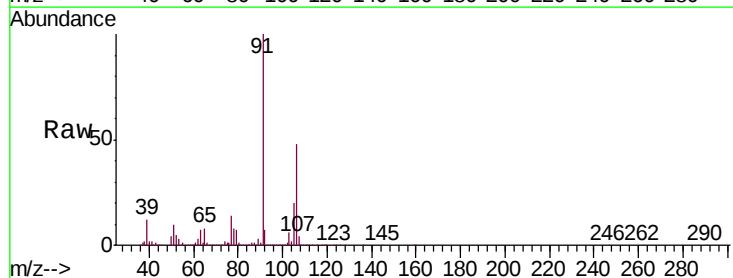
Acq: 4 Dec 2018 16:45

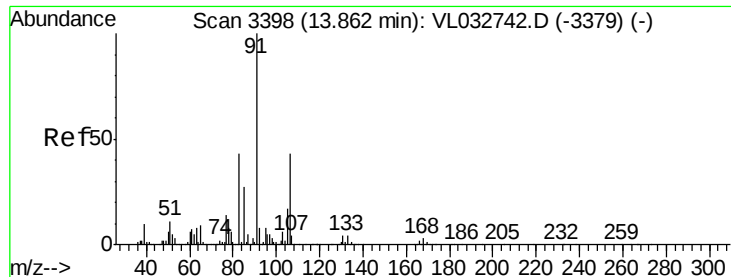
Tgt Ion: 91 Resp: 6134905

Ion Ratio Lower Upper

91 100

106 48.2 36.1 54.1

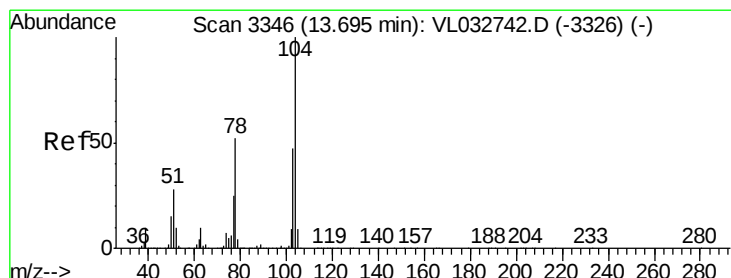
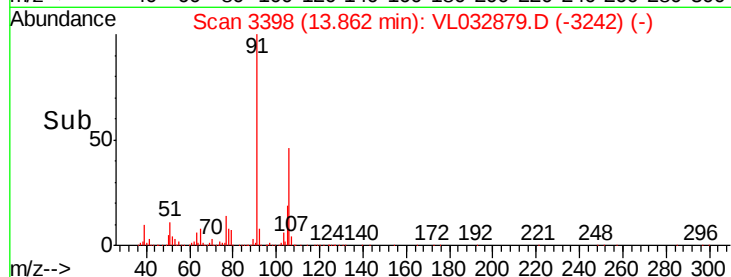
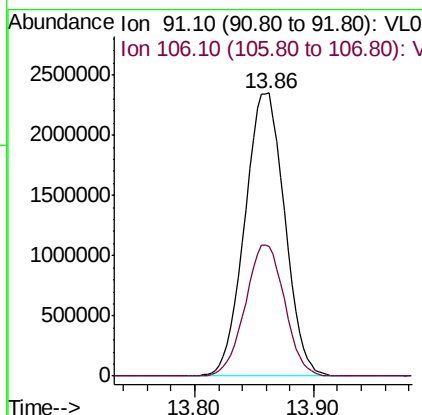
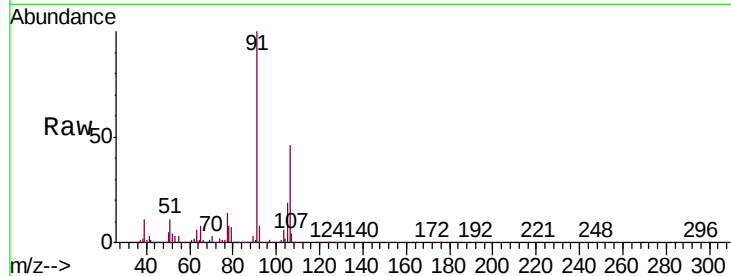




#60
o-Xylene
Concen: 13.686 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VL032879.D
Acq: 4 Dec 2018 16:45

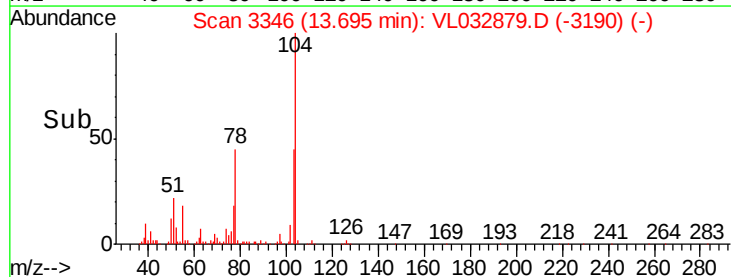
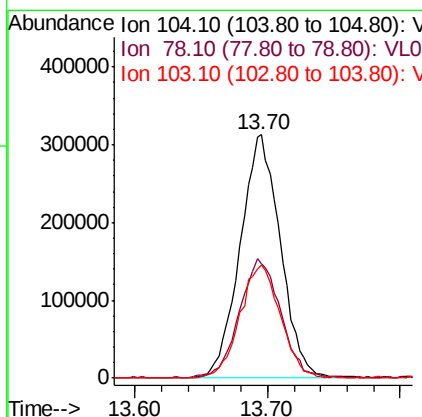
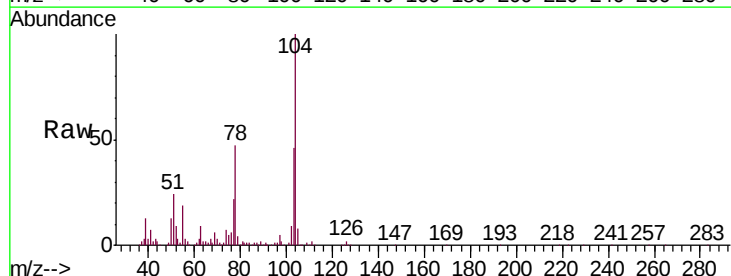
Instrument :
MSVOA_L
ClientSampleId :
MMSV-02

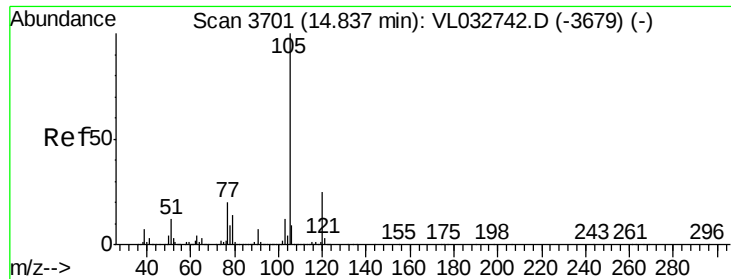
Tgt Ion: 91 Resp: 5457337
Ion Ratio Lower Upper
91 100
106 45.9 21.9 65.7



#61
Styrene
Concen: 2.540 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL032879.D
Acq: 4 Dec 2018 16:45

Tgt Ion: 104 Resp: 659263
Ion Ratio Lower Upper
104 100
78 50.1 42.2 63.4
103 47.3 38.2 57.2





#62

Isopropylbenzene

Concen: 0.250 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. -0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

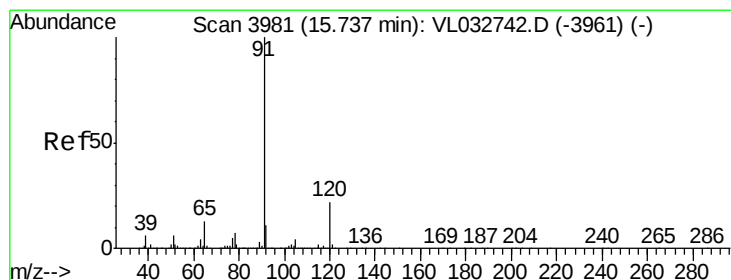
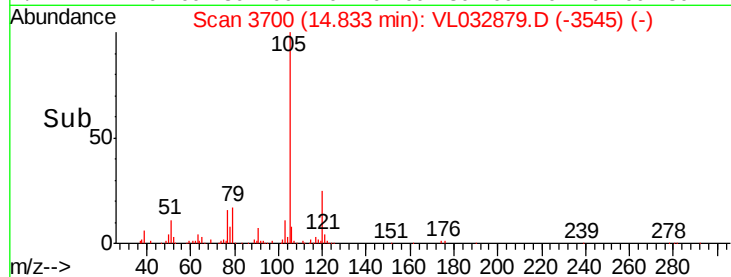
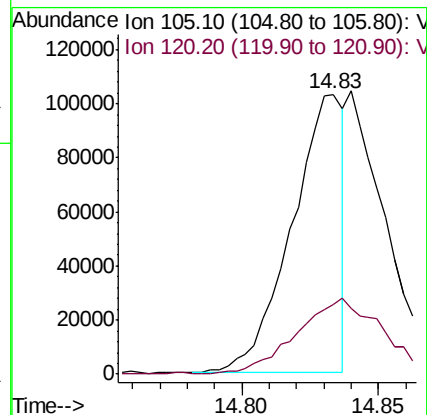
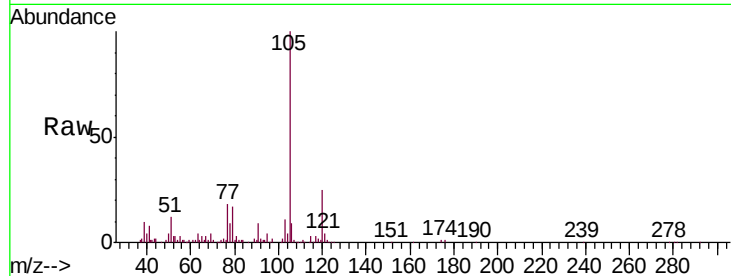
MMSV-02

Tgt Ion:105 Resp: 134710

Ion Ratio Lower Upper

105 100

120 0.0 20.1 30.1#



#64

n-propylbenzene

Concen: 0.598 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL032879.D

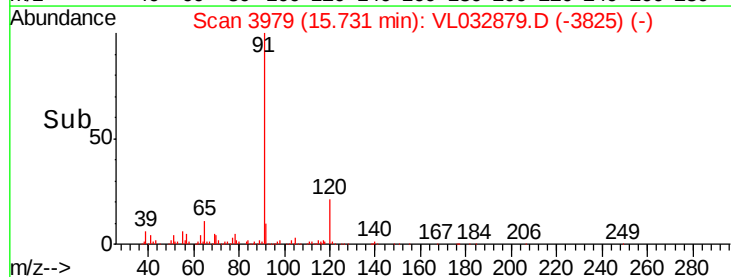
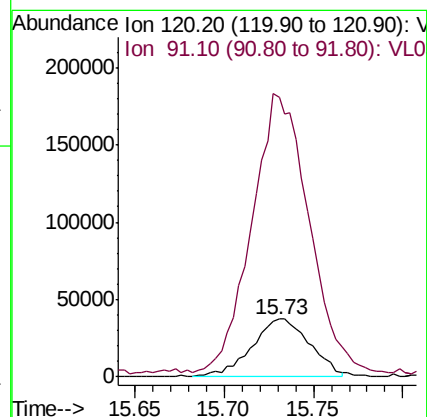
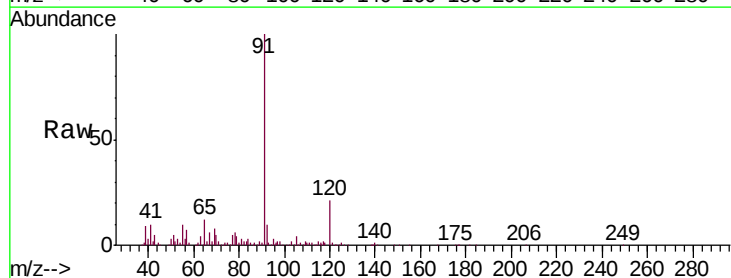
Acq: 4 Dec 2018 16:45

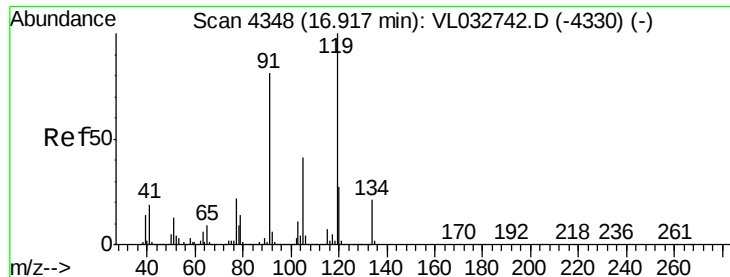
Tgt Ion:120 Resp: 84819

Ion Ratio Lower Upper

120 100

91 481.8 381.7 572.5

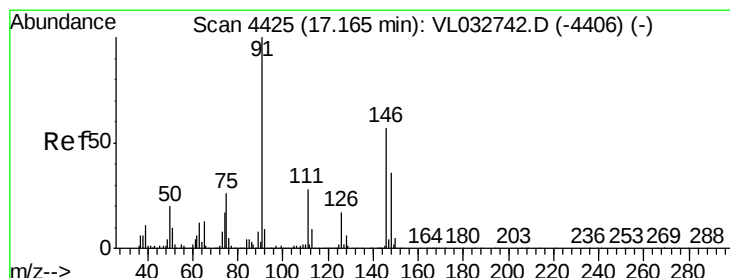
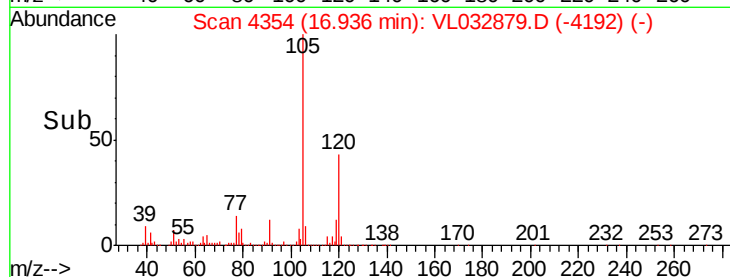
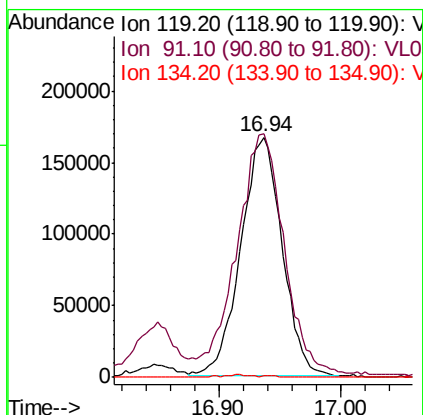
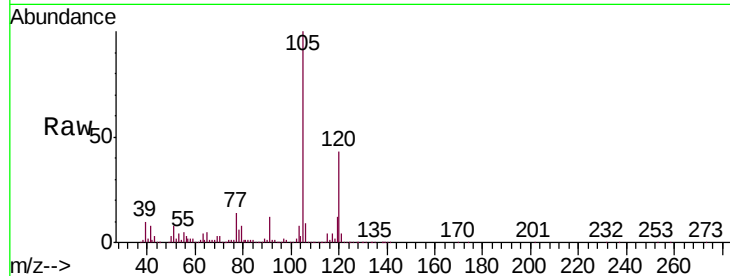




#65
tert-Butylbenzene
Concen: 0.811 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. 0.02 min
Lab File: VL032879.D
Acq: 4 Dec 2018 16:45

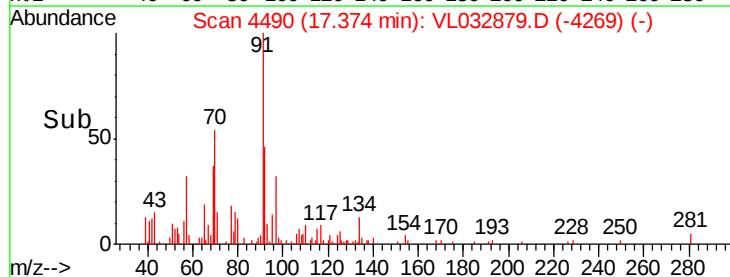
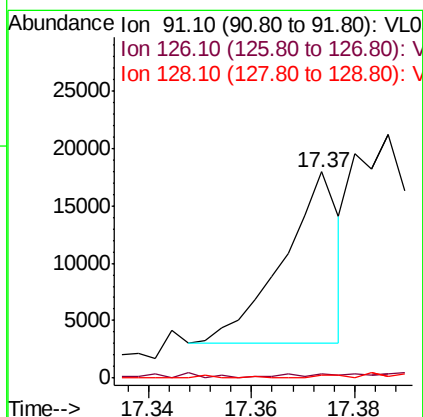
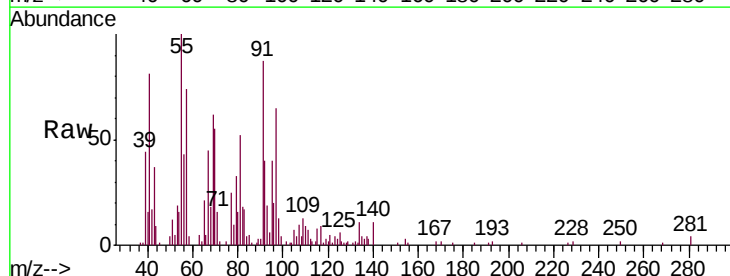
Instrument :
MSVOA_L
ClientSampleId :
MMSV-02

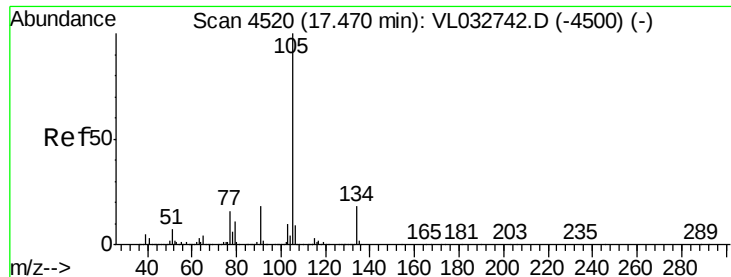
Tgt Ion: 119 Resp: 392062
Ion Ratio Lower Upper
119 100
91 116.8 65.6 98.4#
134 1.2 15.9 23.9#



#66
Benzyl Chloride
Concen: 0.042 ppbv
RT: 17.37 min Scan# 4490
Delta R.T. 0.21 min
Lab File: VL032879.D
Acq: 4 Dec 2018 16:45

Tgt Ion: 91 Resp: 11191
Ion Ratio Lower Upper
91 100
126 11.6 14.2 21.2#
128 2.4 4.5 6.7#





#67

sec-Butylbenzene

Concen: 0.064 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

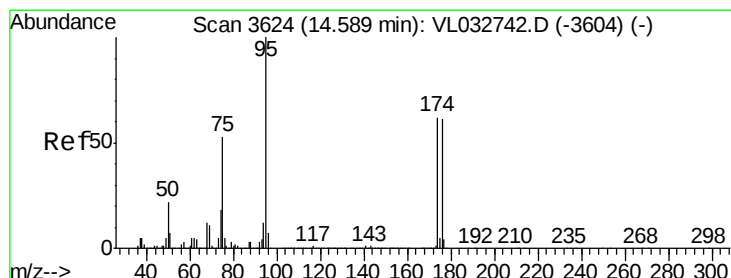
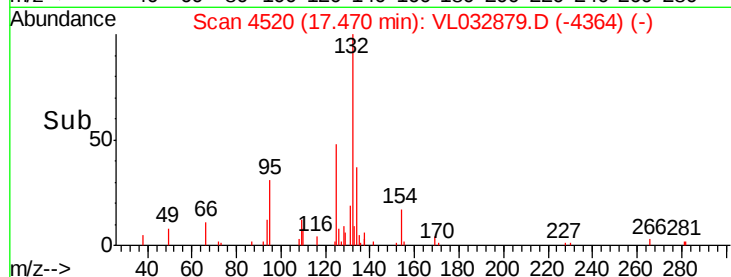
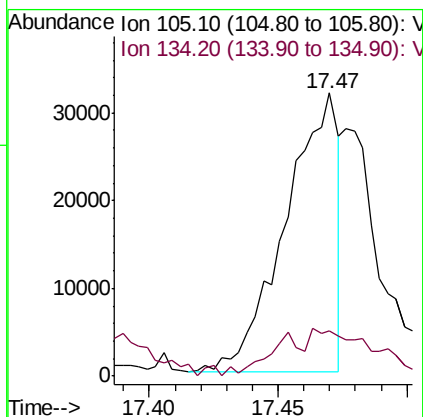
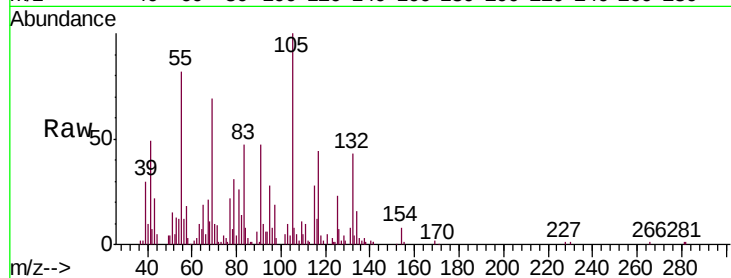
MMSV-02

Tgt Ion: 105 Resp: 44793

Ion Ratio Lower Upper

105 100

134 31.1 14.6 21.8#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.972 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

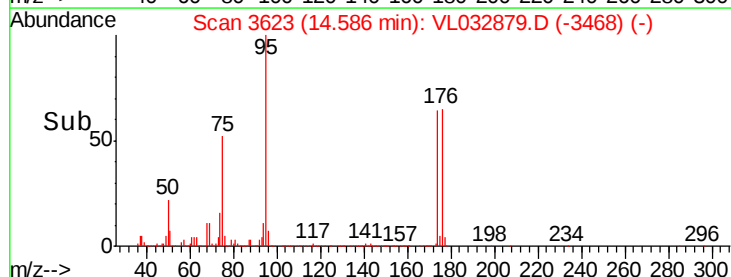
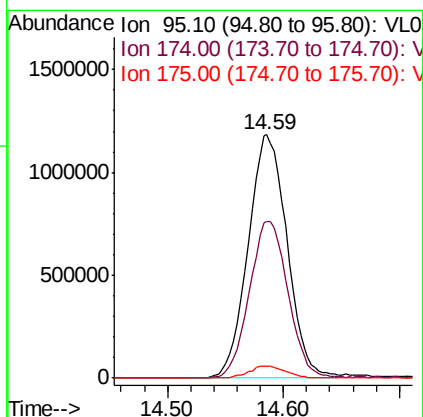
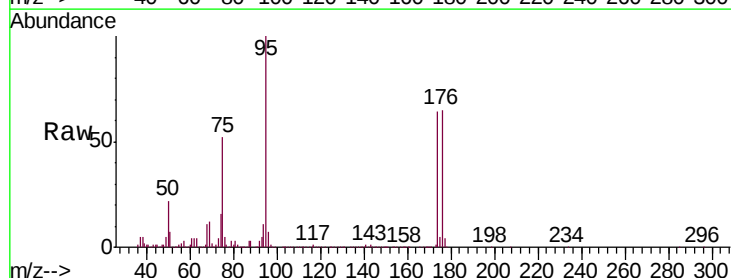
Tgt Ion: 95 Resp: 2760903

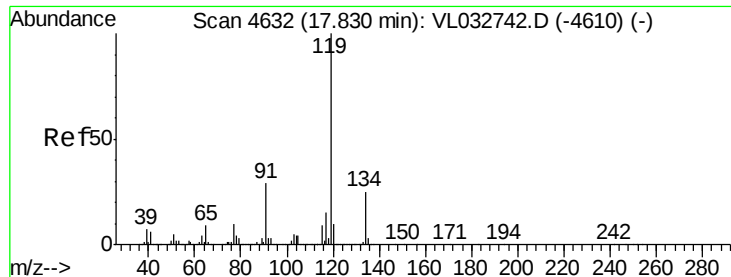
Ion Ratio Lower Upper

95 100

174 64.9 50.7 76.1

175 4.7 3.8 5.6

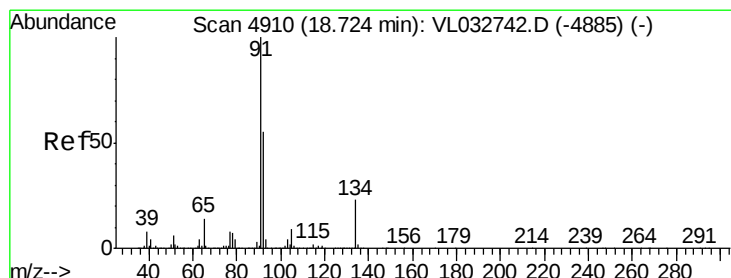
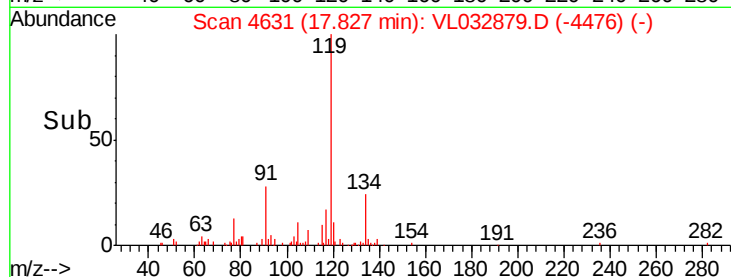
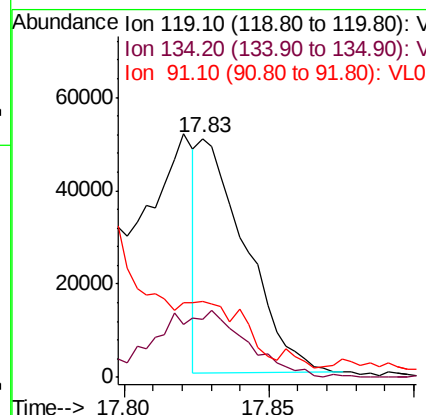
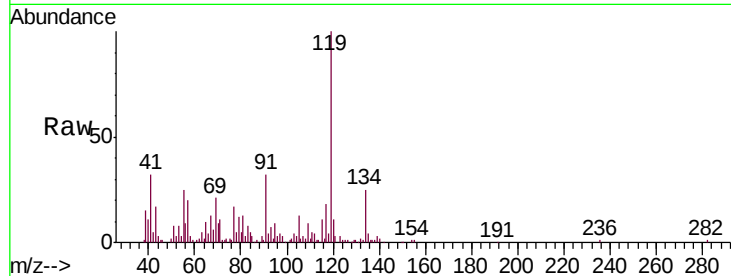




#69
 p-Isopropyltoluene
 Concen: 0.102 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

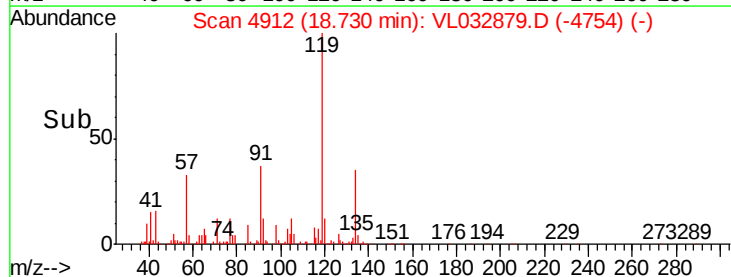
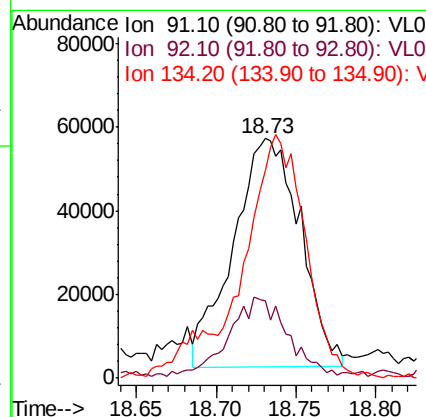
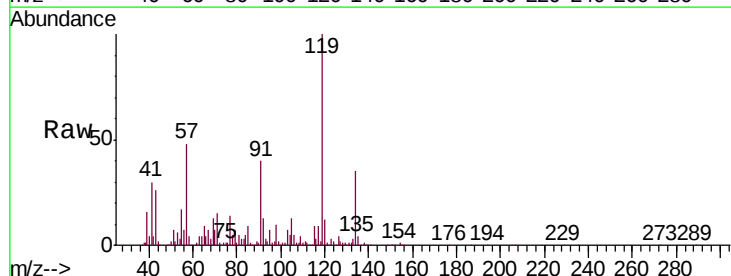
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-02

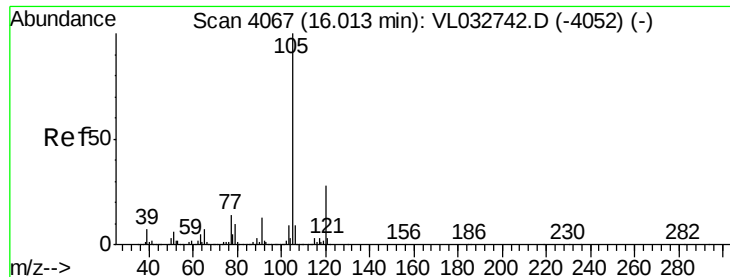
Tgt Ion: 119 Resp: 56451
 Ion Ratio Lower Upper
 119 100
 134 59.4 20.2 30.4#
 91 0.0 23.5 35.3#



#70
 n-Butylbenzene
 Concen: 0.279 ppbv
 RT: 18.73 min Scan# 4912
 Delta R.T. 0.01 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

Tgt Ion: 91 Resp: 156879
 Ion Ratio Lower Upper
 91 100
 92 31.2 42.9 64.3#
 134 104.1 17.8 26.8#





#72

4-Ethyltoluene

Concen: 1.412 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. -0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

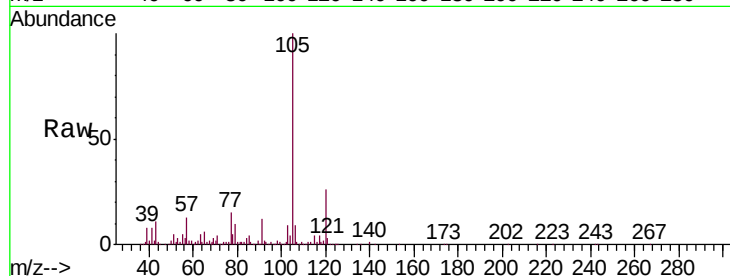
Instrument :

MSVOA_L

ClientSampleId :

MMSV-02

Tgt Ion:	105	Resp:	616946
Ion	Ratio	Lower	Upper
105	100		
120	28.3	22.9	34.3
91	12.1	10.6	15.8
77	12.3	11.4	17.2

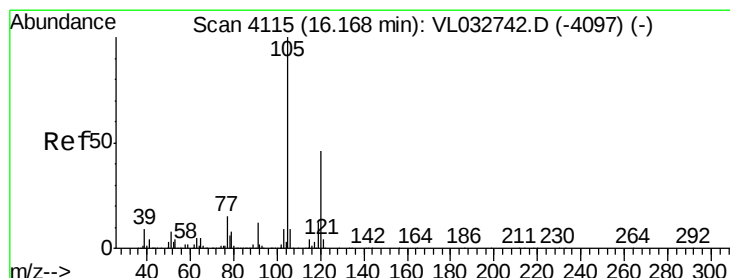
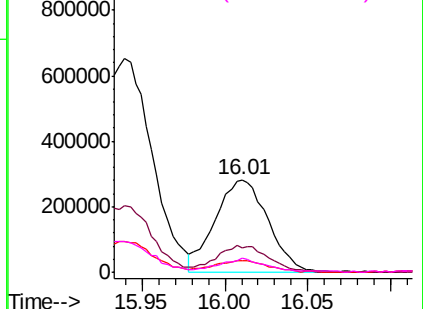
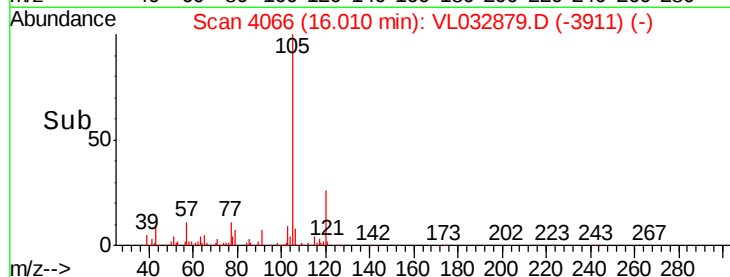


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 3.532 ppbv

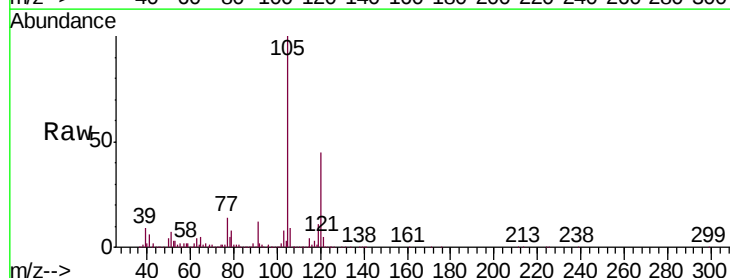
RT: 16.17 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VL032879.D

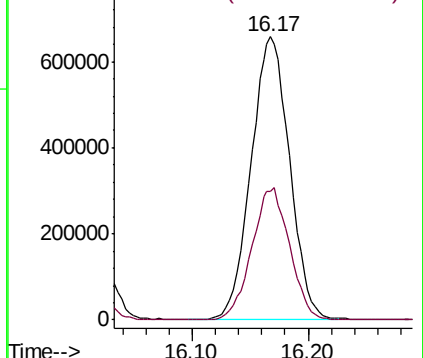
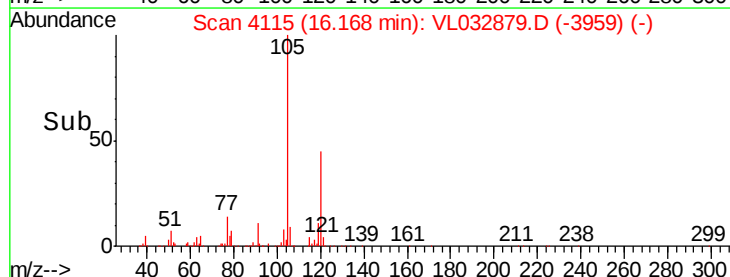
Acq: 4 Dec 2018 16:45

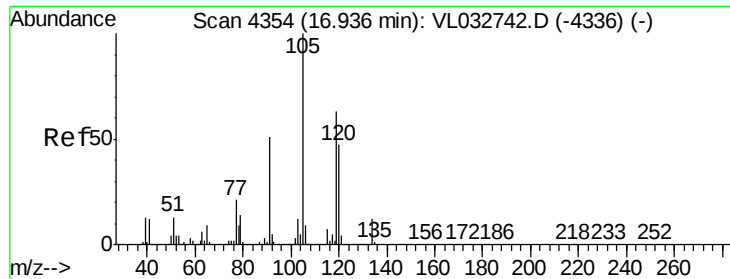
Tgt Ion:	105	Resp:	1509277
Ion	Ratio	Lower	Upper
105	100		
120	45.4	36.6	55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 7.243 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

Instrument :

MSVOA_L

ClientSampleId :

MMSV-02

Tgt Ion:105 Resp: 3312153

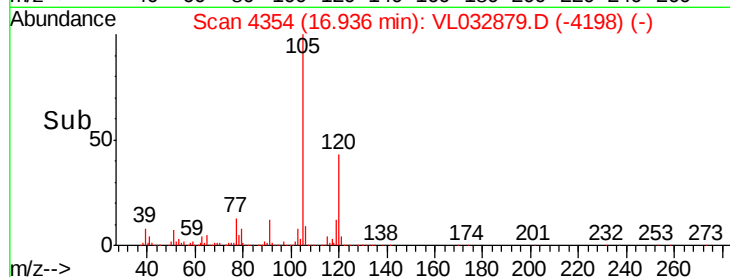
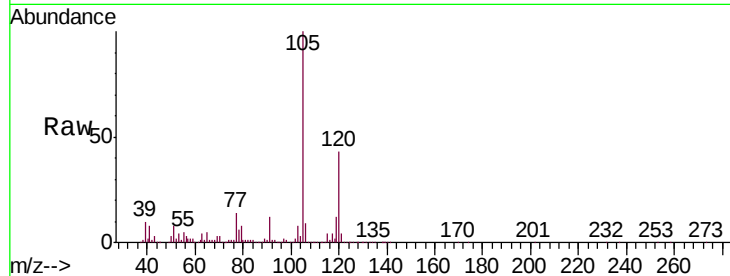
Ion Ratio Lower Upper

105 100

120 42.6 37.6 56.4

91 11.7 42.5 63.7#

77 13.7 17.4 26.2#

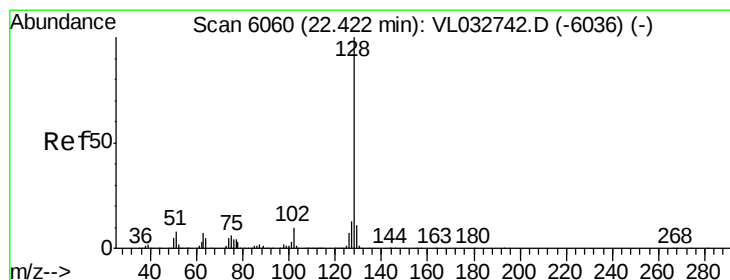
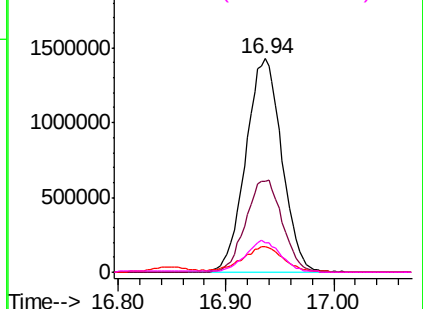


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 3.212 ppbv

RT: 22.42 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL032879.D

Acq: 4 Dec 2018 16:45

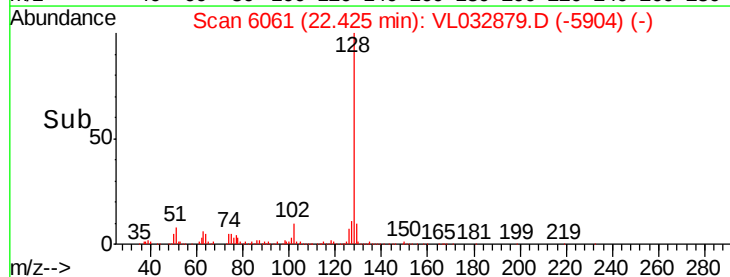
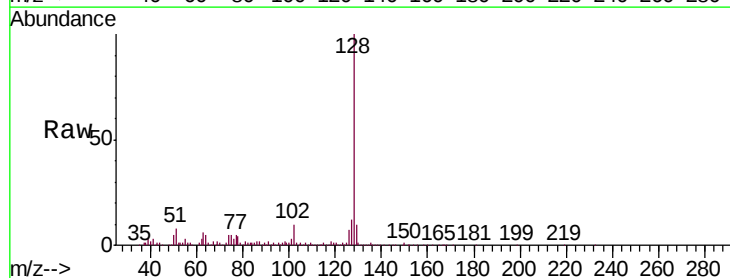
Tgt Ion:128 Resp: 964947

Ion Ratio Lower Upper

128 100

127 11.5 10.1 15.1

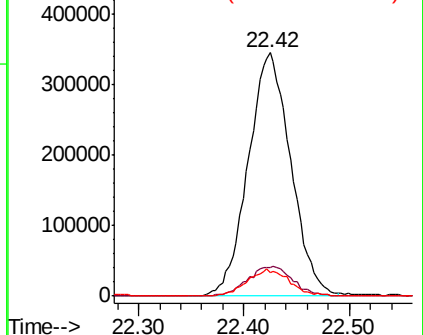
129 9.6 8.9 13.3

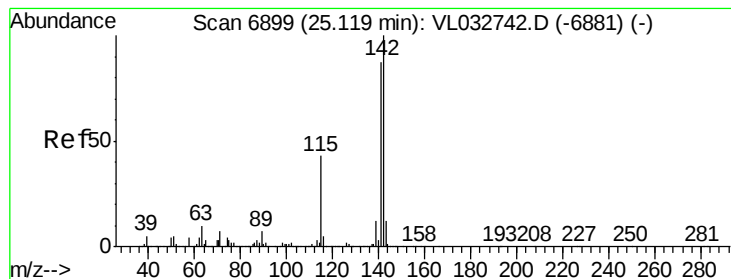


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.142 ppbv
 RT: 25.13 min Scan# 6901
 Delta R.T. 0.01 min
 Lab File: VL032879.D
 Acq: 4 Dec 2018 16:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	68.7	103.1
115	62.2	35.5	53.3

