

Data File : VL032888.D

Acq On : 4 Dec 2018 22:42

Operator : SY/AP

Sample : J6175-06

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-03

Quant Time: Dec 05 05:50:50 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.77	49	1390573	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3495296	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3566374	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2584620	9.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	84131	0.421	ppbv	95
3) Chlorodifluoromethane	3.02	51	2371759	21.513	ppbv	96
4) Chloromethane	3.17	50	14429	0.236	ppbv	98
9) Propene	3.04	41	850978	19.289	ppbv	96
10) Heptane	8.25	43	51755	0.307	ppbv	96
11) Trichlorofluoromethane	4.01	101	184633	0.980	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	11984	0.078	ppbv	91
13) Ethanol	3.66	45	276384	19.126	ppbv	98
15) Acetone	3.90	43	2618893	20.623	ppbv #	81
16) 1,3-Butadiene	3.35	39	932035	18.952	ppbv #	17
17) tert-Butyl alcohol	4.38	59	59637	1.497	ppbv #	92
19) Isopropyl Alcohol	4.04	45	17475	0.207	ppbv #	95
20) Methylene Chloride	4.42	84	873561	13.288	ppbv	99
21) Allyl Chloride	4.47	41	16094	0.151	ppbv #	1
23) Vinyl Acetate	5.33	43	8606837	37.181	ppbv #	88
25) Ethyl Acetate	5.78	43	531634	1.796	ppbv #	79
26) Hexane	5.79	57	753288	5.717	ppbv #	41
27) Carbon Disulfide	4.62	76	249256	1.492	ppbv	98
29) Chloroform	5.86	83	17720	0.075	ppbv	91
30) Cyclohexane	7.26	84	4341	0.038	ppbv #	1
34) 2-Butanone	5.33	43	8606837	47.476	ppbv	96
36) Benzene	7.01	78	510121	1.833	ppbv	97
39) 1,2-Dichloropropane	7.30	63	815923	7.694	ppbv #	22
41) Tetrahydrofuran	6.15	42	1789187	17.206	ppbv	100
44) 2,2,4-Trimethylpentane	7.99	57	87869	0.189	ppbv #	56
51) 2-Hexanone	10.28	43	910728	4.992	ppbv	100
52) Tetrachloroethene	11.38	164	12713	0.131	ppbv #	82
53) Toluene	9.95	91	646160	2.225	ppbv	99
58) Ethyl Benzene	12.87	91	94357	0.220	ppbv	100
59) m/p-Xylene	13.13	91	256149	0.670	ppbv	96
60) o-Xylene	13.85	91	133174	0.347	ppbv	100
61) Styrene	13.69	104	35094	0.140	ppbv #	58
64) n-propylbenzene	15.73	120	4753	0.035	ppbv #	1
65) tert-Butylbenzene	16.93	119	16045	0.034	ppbv #	50
72) 4-Ethyltoluene	16.00	105	48385	0.115	ppbv #	92
73) 1,3,5-Trimethylbenzene	16.16	105	59540	0.145	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.93	105	84725	0.192	ppbv #	65

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

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Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-03

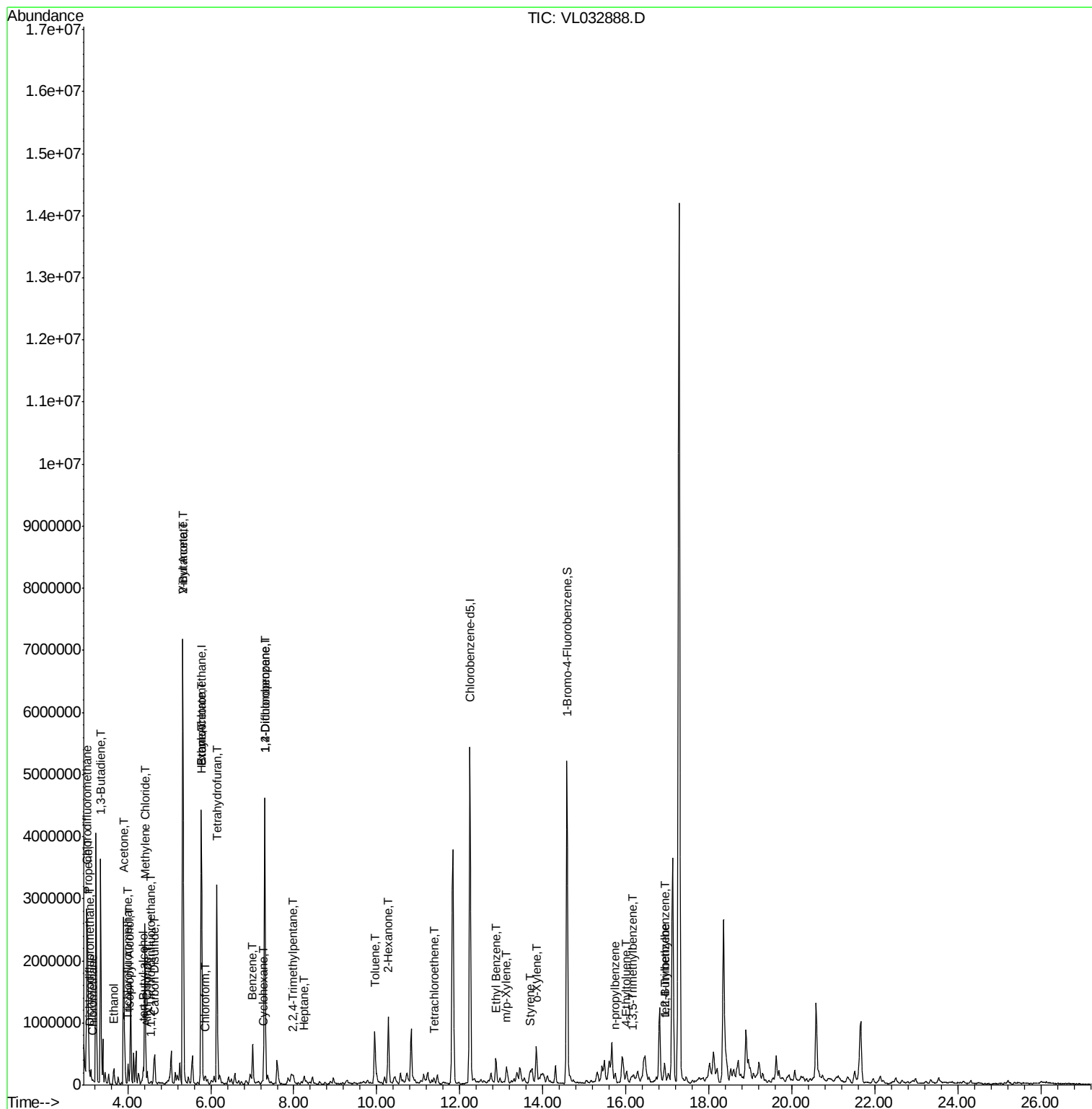
Quant Time: Dec 05 05:50:50 2018

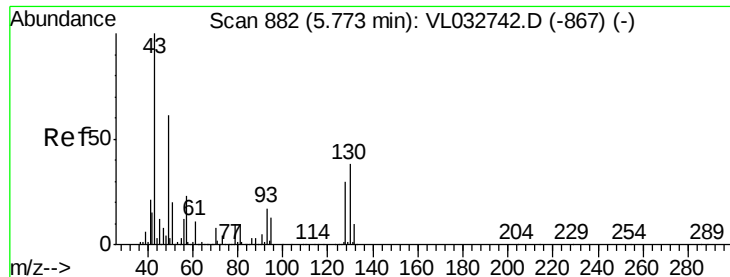
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL111418AIR.M

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: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

MMSV-03

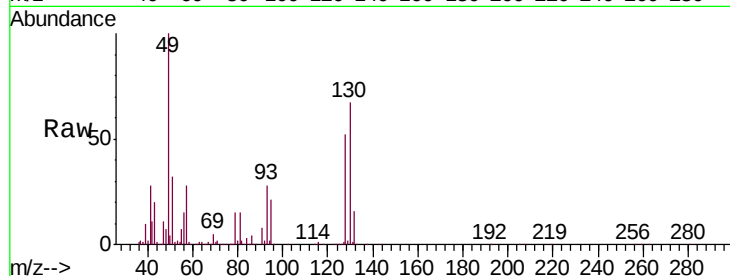
Tgt Ion: 49 Resp: 1390573

Ion Ratio Lower Upper

49 100

128 52.3 24.9 74.6

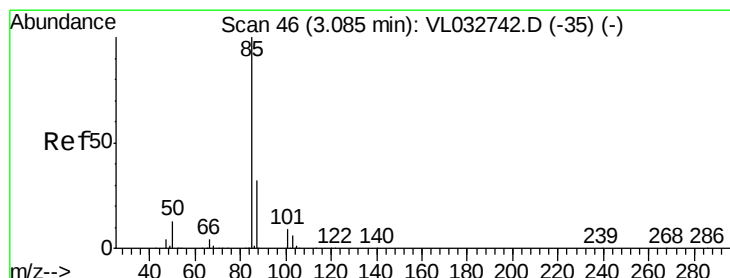
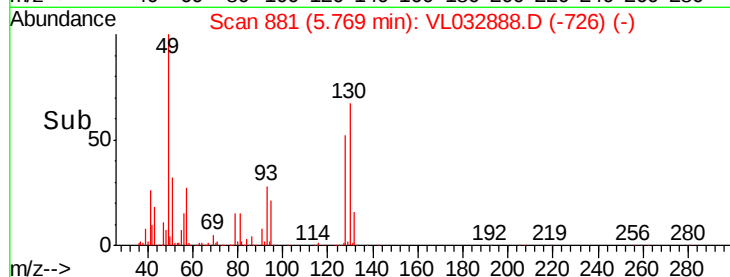
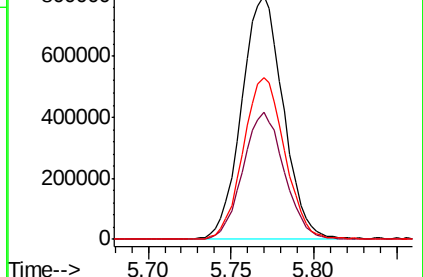
130 66.8 31.4 94.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.421 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.01 min

Lab File: VL032888.D

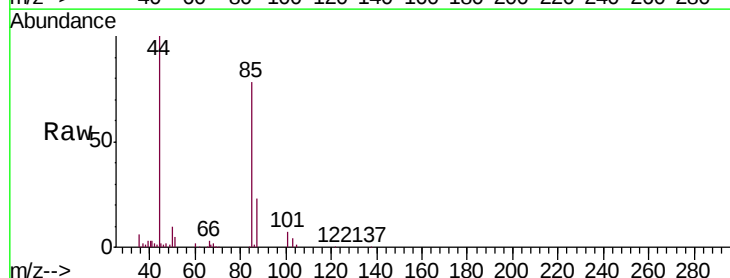
Acq: 4 Dec 2018 22:42

Tgt Ion: 85 Resp: 84131

Ion Ratio Lower Upper

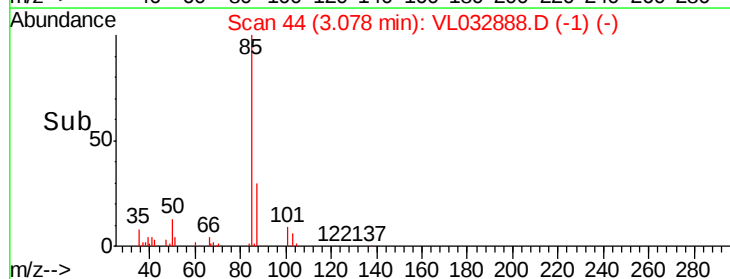
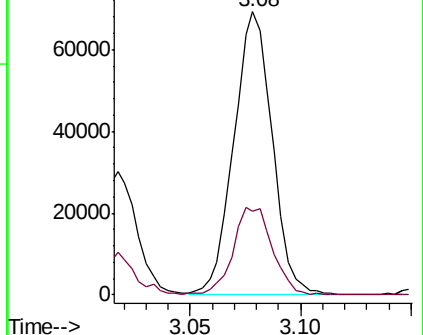
85 100

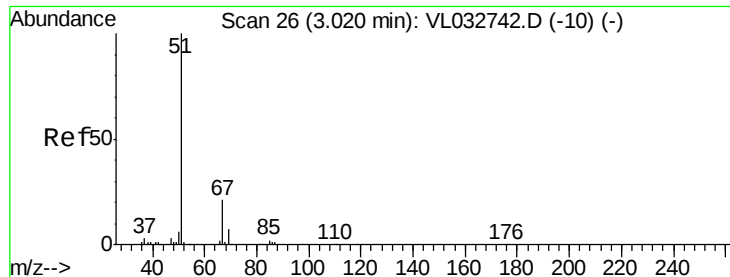
87 29.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 21.513 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

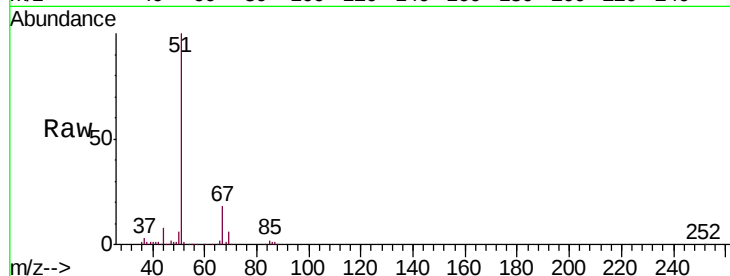
MMSV-03

Tgt Ion: 51 Resp: 2371759

Ion Ratio Lower Upper

51 100

67 18.4 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2000000

1500000

1000000

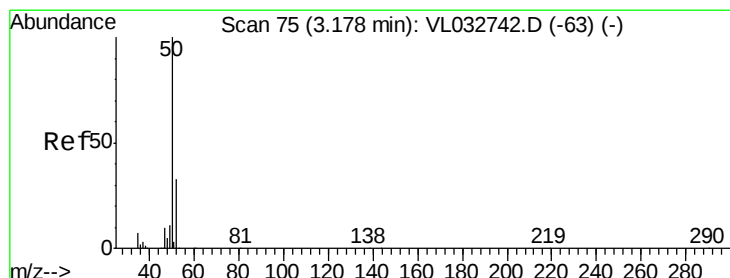
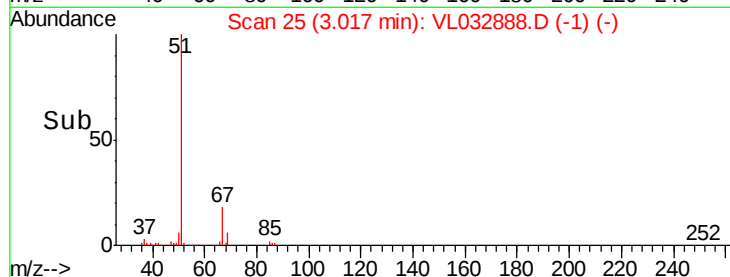
500000

0

3.02

3.10

Time-->



#4

Chloromethane

Concen: 0.236 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL032888.D

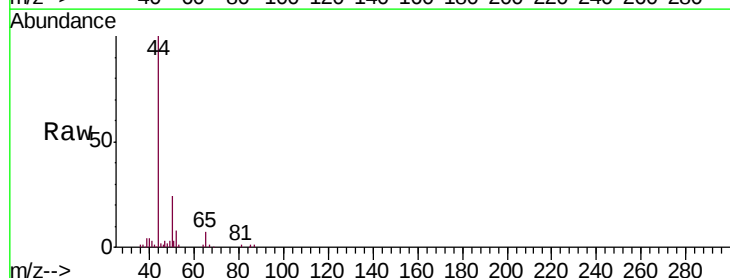
Acq: 4 Dec 2018 22:42

Tgt Ion: 50 Resp: 14429

Ion Ratio Lower Upper

50 100

52 34.2 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

12000

10000

8000

6000

4000

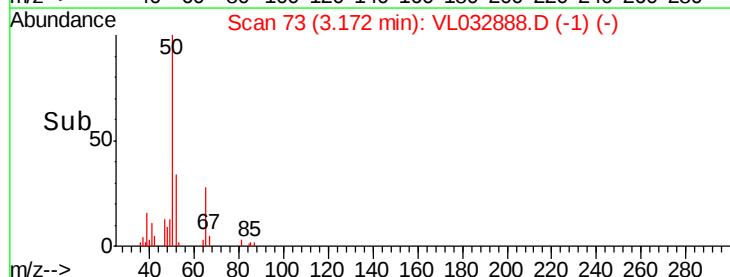
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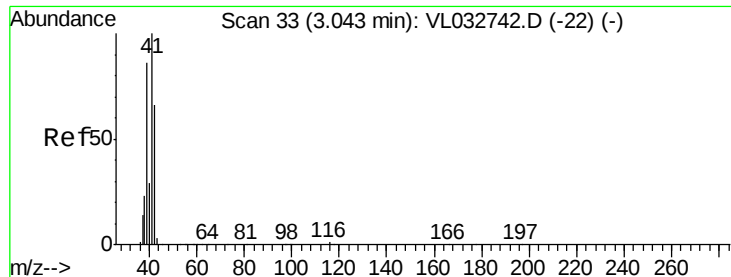
0

3.17

3.20

Time-->





#9

Propene

Concen: 19.289 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

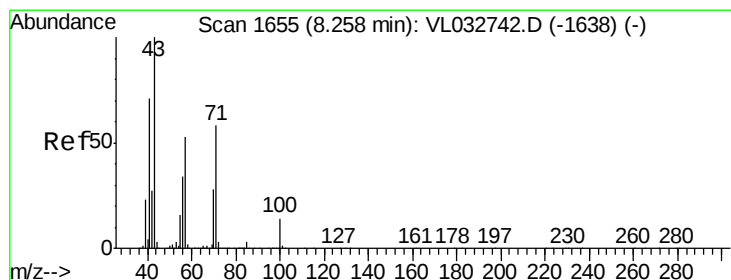
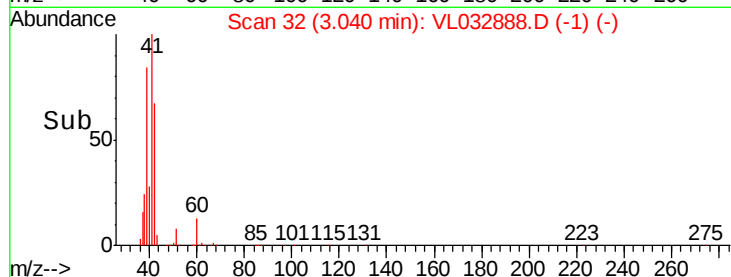
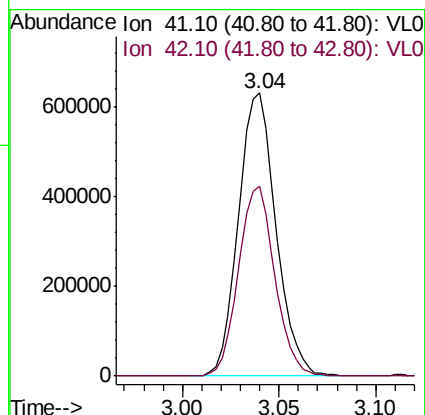
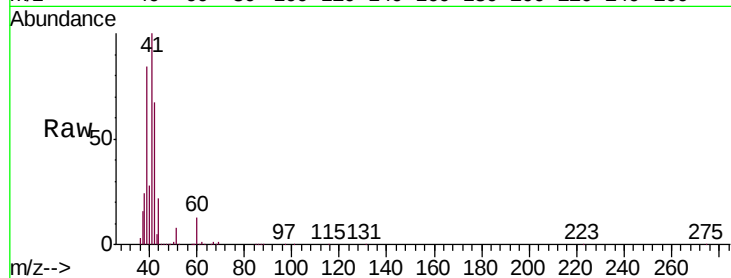
MMSV-03

Tgt Ion: 41 Resp: 850978

Ion Ratio Lower Upper

41 100

42 65.3 55.0 82.6



#10

Heptane

Concen: 0.307 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VL032888.D

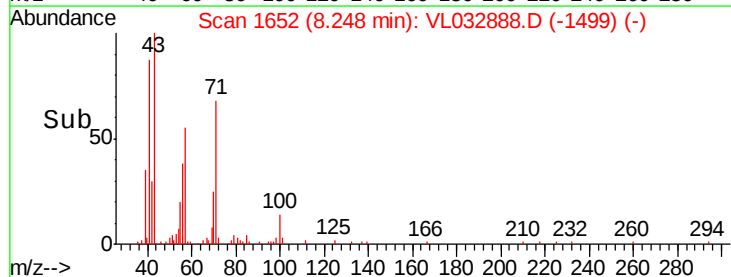
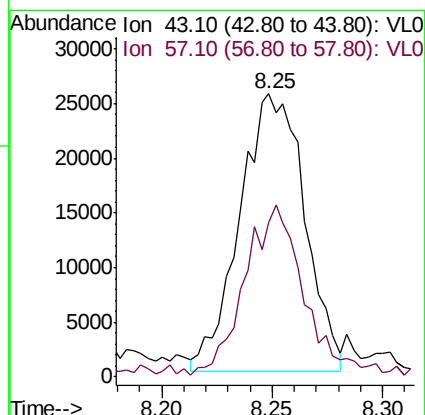
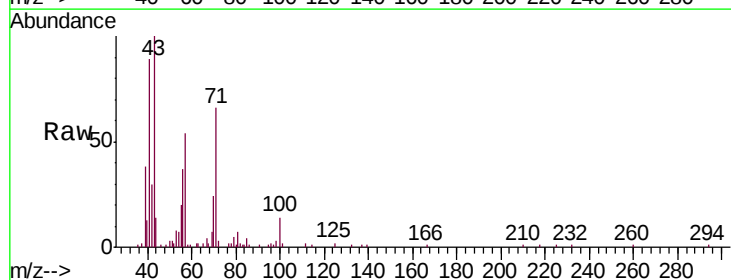
Acq: 4 Dec 2018 22:42

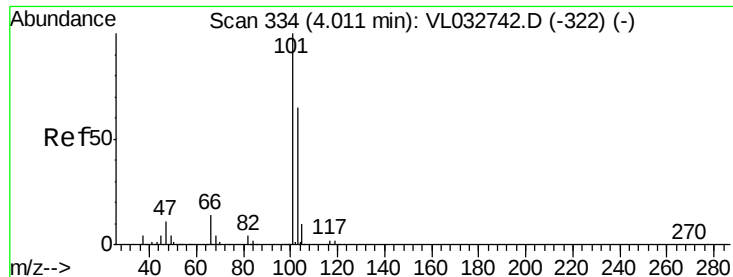
Tgt Ion: 43 Resp: 51755

Ion Ratio Lower Upper

43 100

57 55.3 41.8 62.8

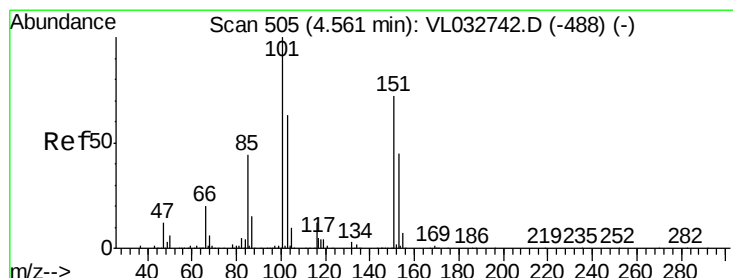
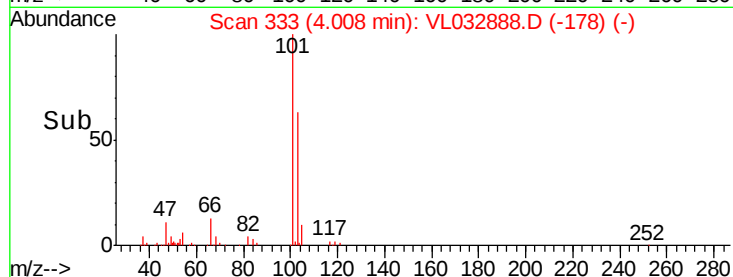
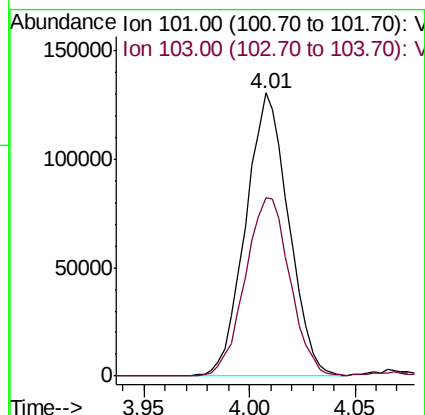
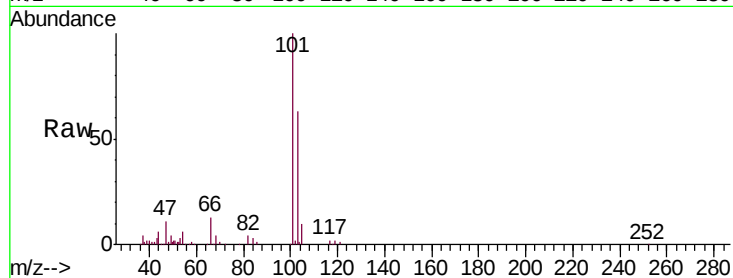




#11
 Trichlorofluoromethane
 Concen: 0.980 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VL032888.D
 Acq: 4 Dec 2018 22:42

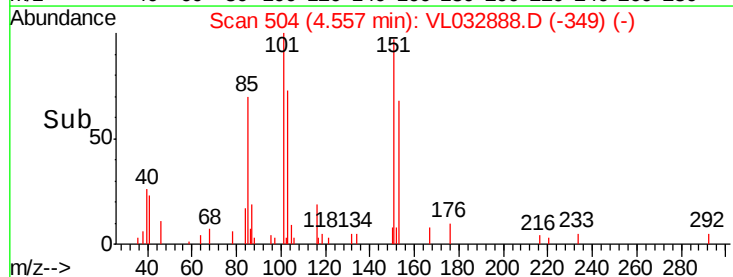
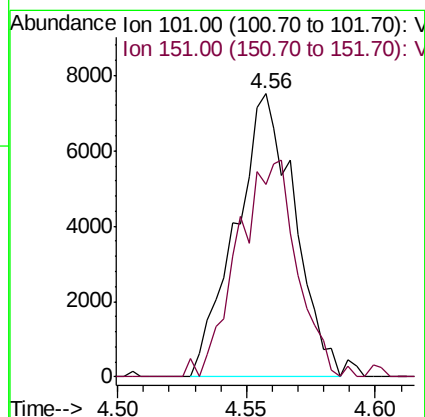
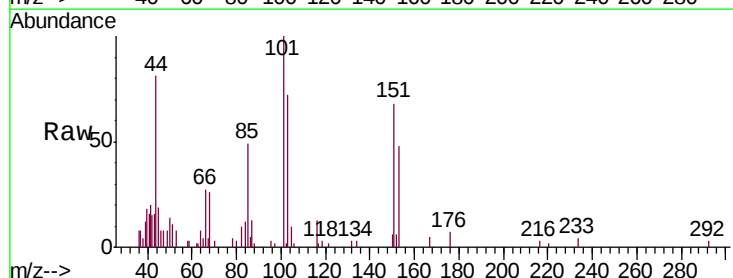
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-03

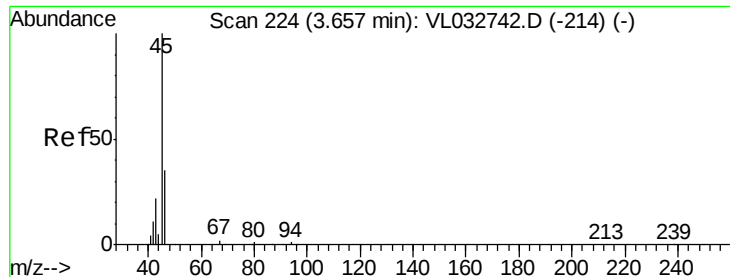
Tgt Ion:101 Resp: 184633
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.078 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL032888.D
 Acq: 4 Dec 2018 22:42

Tgt Ion:101 Resp: 11984
 Ion Ratio Lower Upper
 101 100
 151 78.3 56.7 85.1





#13

Ethanol

Concen: 19.126 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

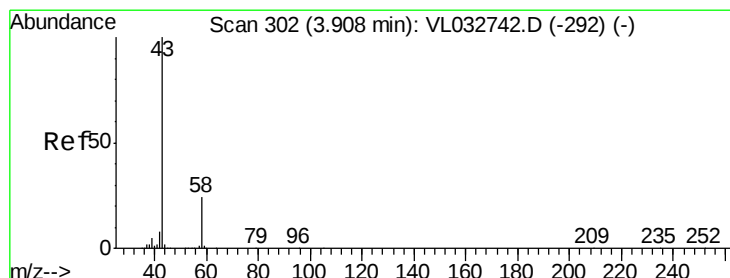
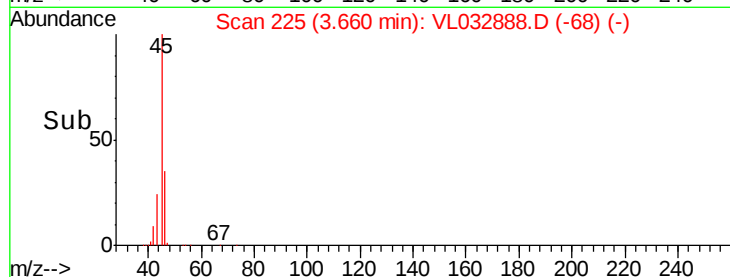
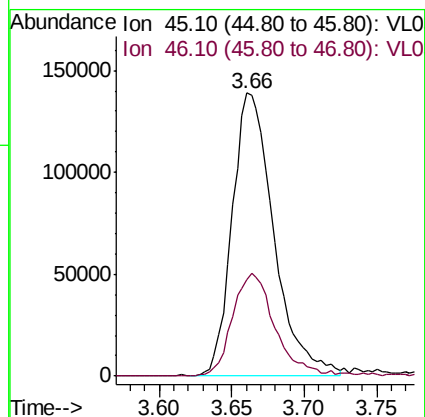
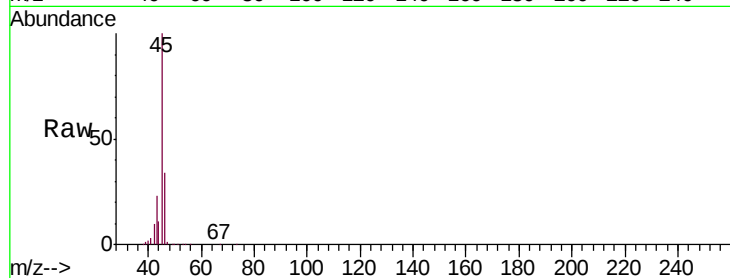
MMSV-03

Tgt Ion: 45 Resp: 276384

Ion Ratio Lower Upper

45 100

46 37.6 14.5 57.9



#15

Acetone

Concen: 20.623 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.01 min

Lab File: VL032888.D

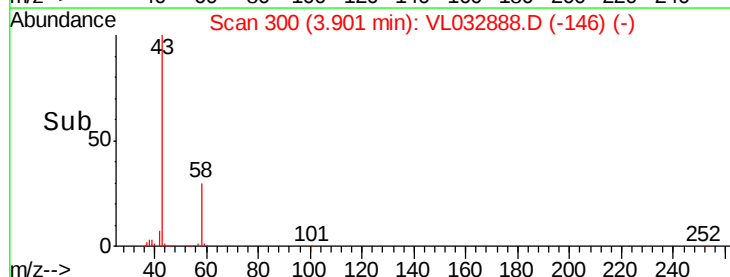
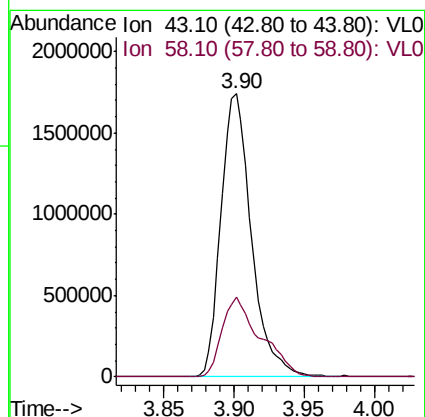
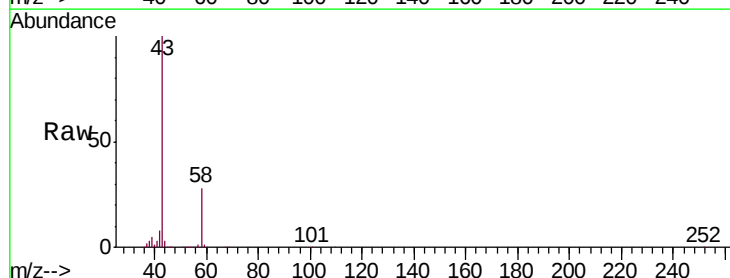
Acq: 4 Dec 2018 22:42

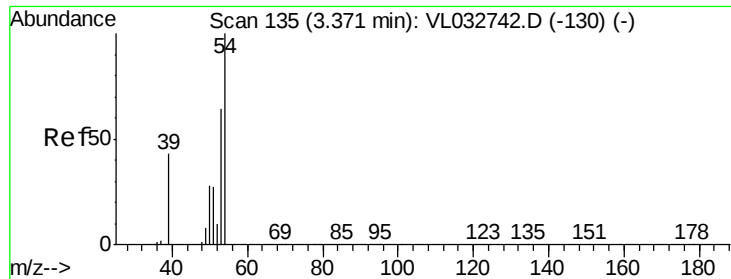
Tgt Ion: 43 Resp: 2618893

Ion Ratio Lower Upper

43 100

58 36.2 21.1 31.7#

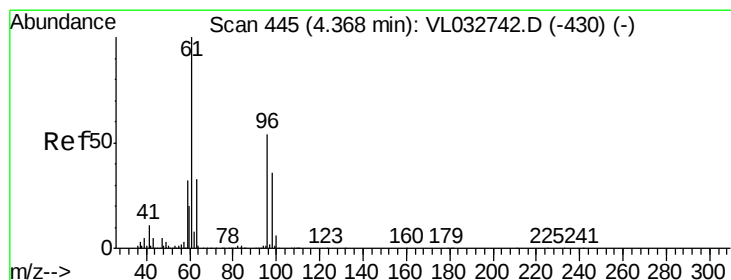
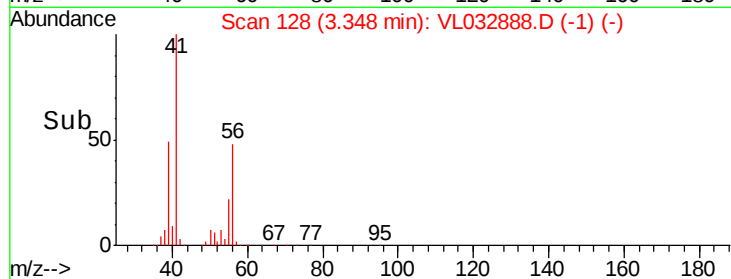
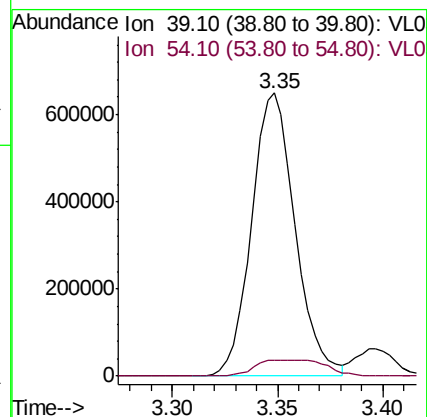
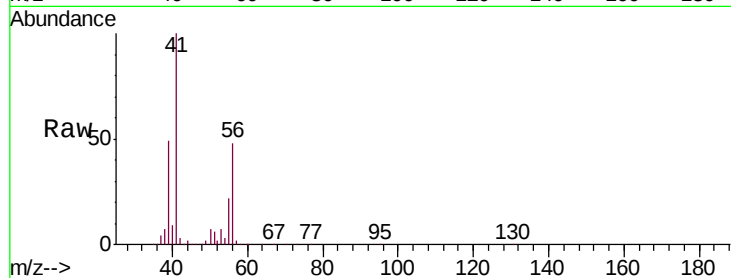




#16
1,3-Butadiene
Concen: 18.952 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

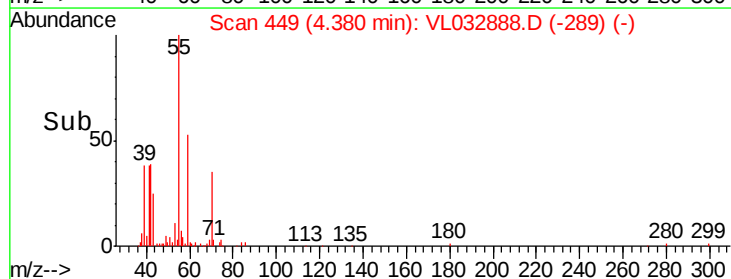
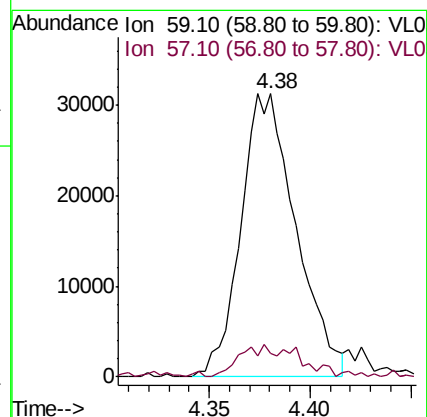
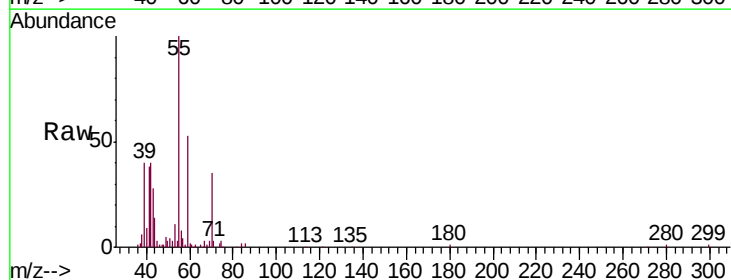
Instrument :
MSVOA_L
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MMSV-03

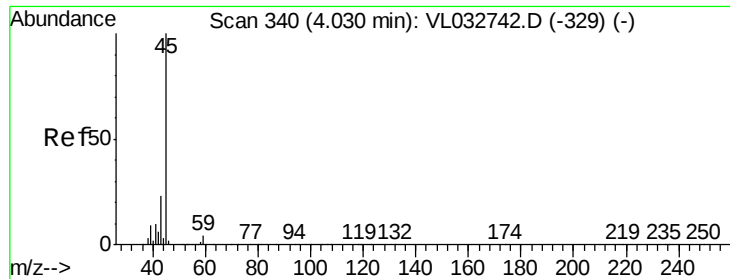
Tgt Ion: 39 Resp: 932035
Ion Ratio Lower Upper
39 100
54 9.4 68.9 103.3#



#17
tert-Butyl alcohol
Concen: 1.497 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.01 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

Tgt Ion: 59 Resp: 59637
Ion Ratio Lower Upper
59 100
57 12.8 7.8 11.8#





#19

Isopropyl Alcohol

Concen: 0.207 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.01 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

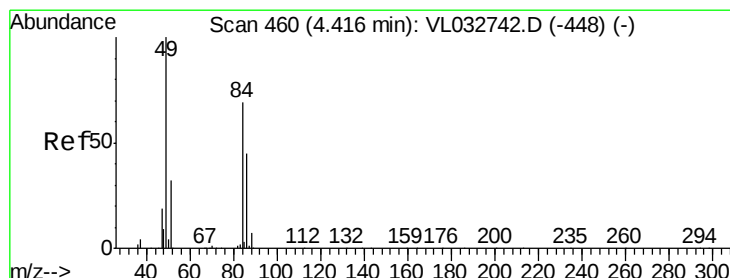
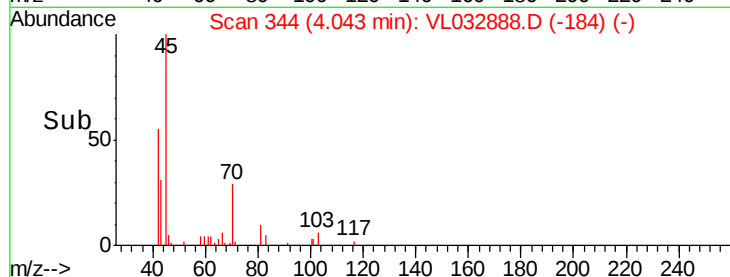
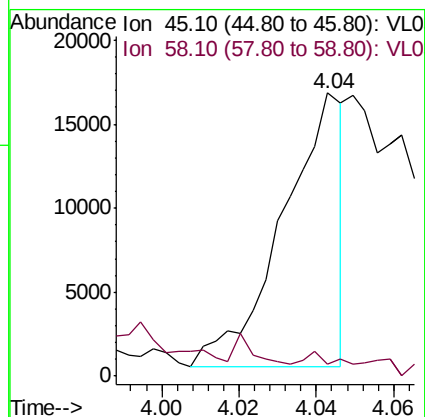
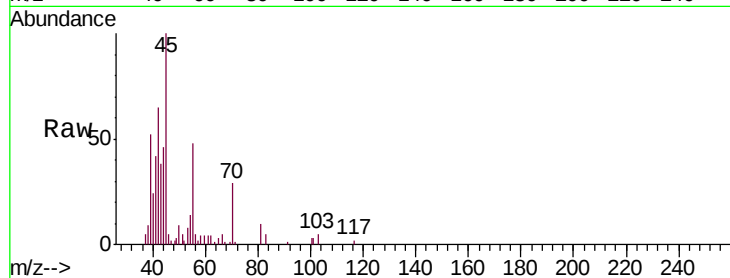
MMSV-03

Tgt Ion: 45 Resp: 17475

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



#20

Methylene Chloride

Concen: 13.288 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Tgt Ion: 84 Resp: 873561

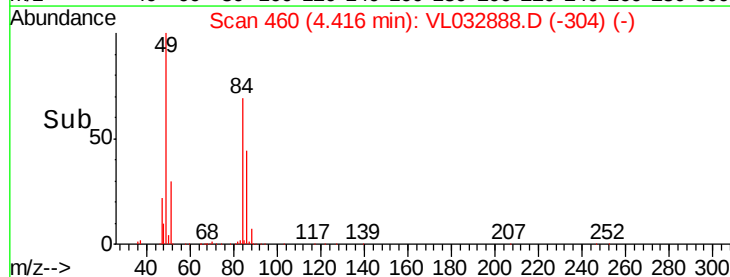
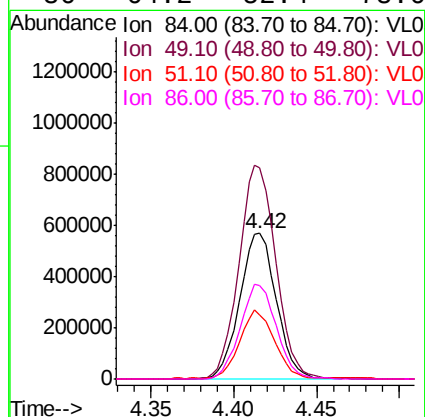
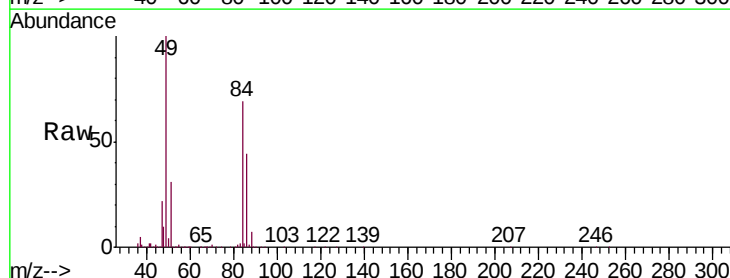
Ion Ratio Lower Upper

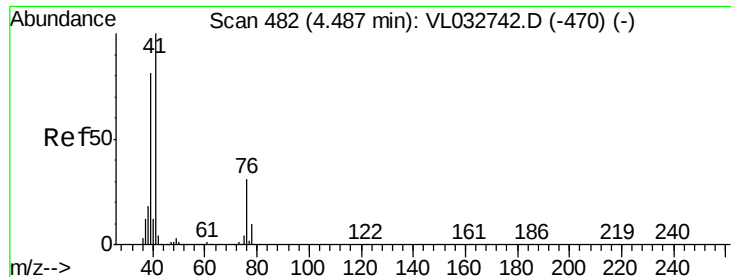
84 100

49 144.8 115.8 173.6

51 43.5 36.9 55.3

86 64.2 52.4 78.6





#21

Allyl Chloride

Concen: 0.151 ppbv

RT: 4.47 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

MMSV-03

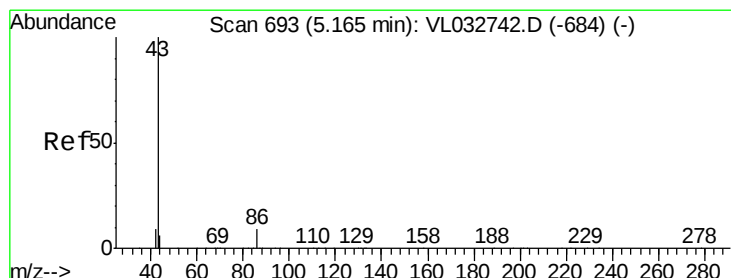
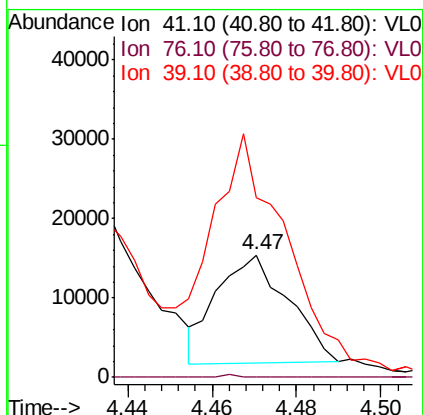
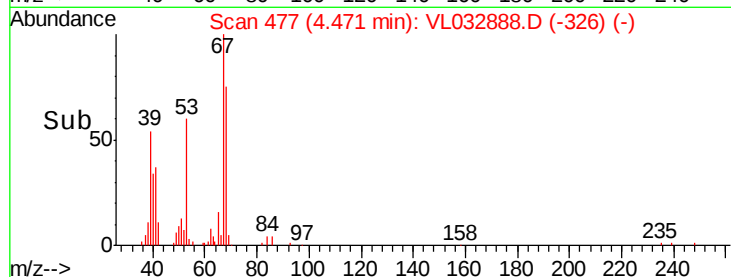
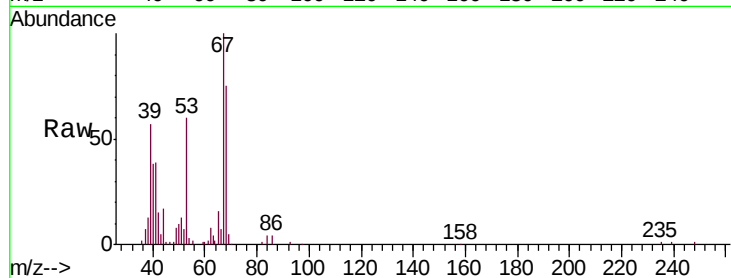
Tgt Ion: 41 Resp: 16094

Ion Ratio Lower Upper

41 100

76 0.0 24.4 36.6#

39 366.1 63.5 95.3#



#23

Vinyl Acetate

Concen: 37.181 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.16 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Tgt Ion: 43 Resp: 8606837

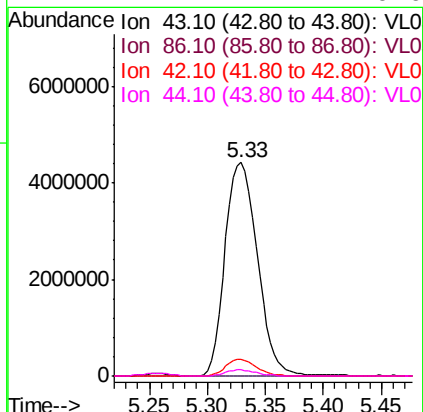
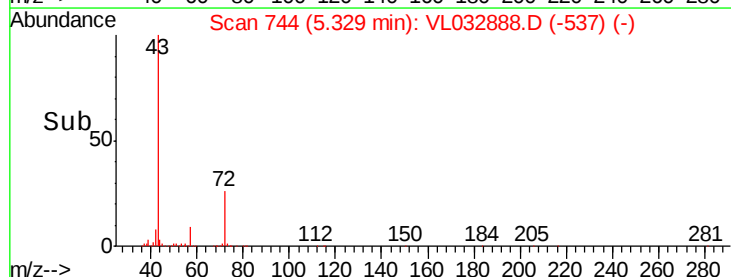
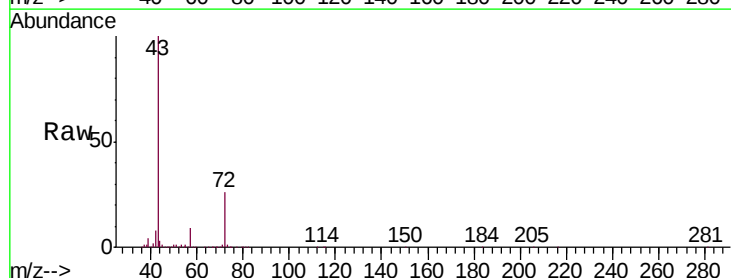
Ion Ratio Lower Upper

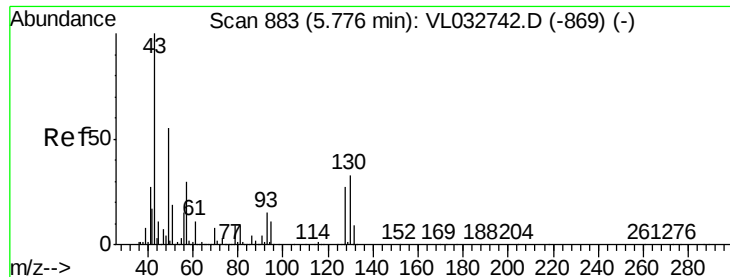
43 100

86 0.0 6.2 9.4#

42 7.9 7.8 11.6

44 2.7 4.4 6.6#

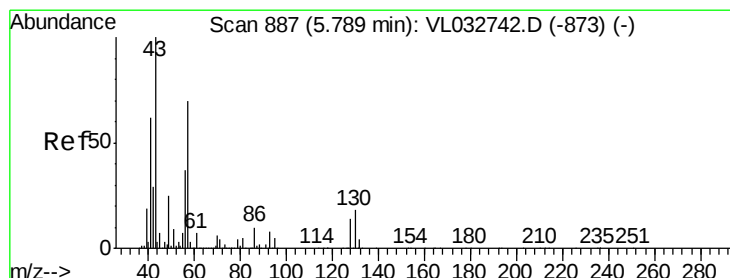
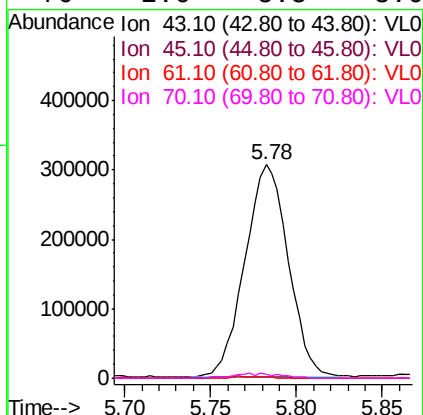
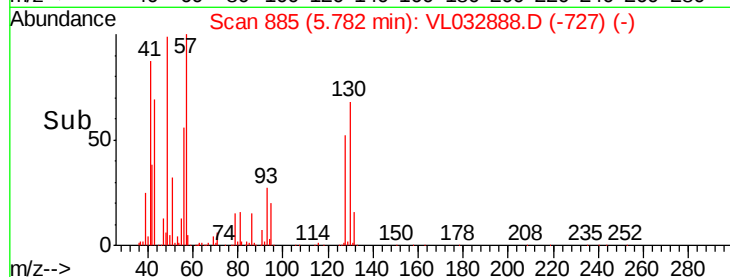
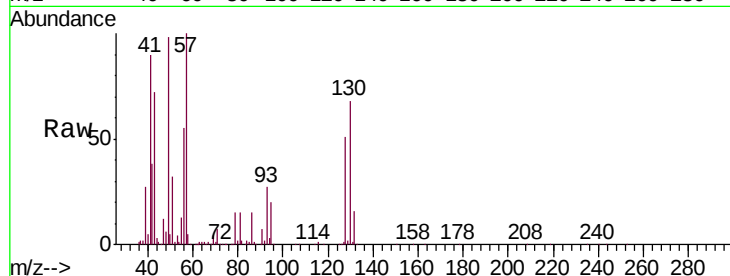




#25
Ethyl Acetate
Concen: 1.796 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

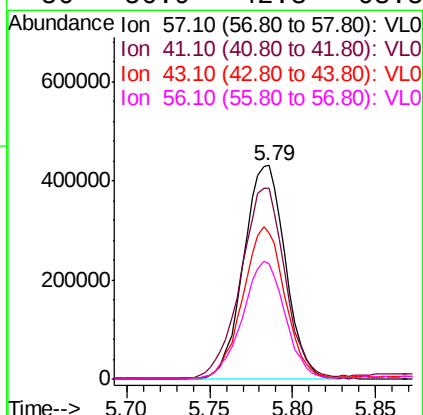
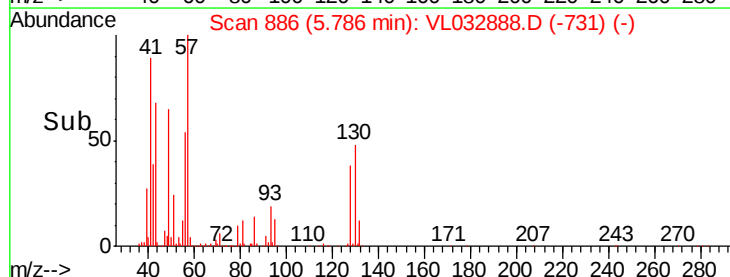
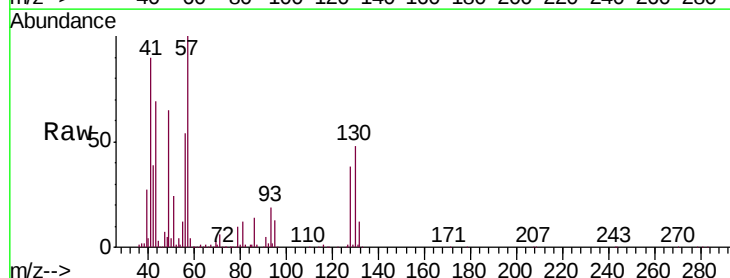
Instrument :
MSVOA_L
ClientSampleId :
MMSV-03

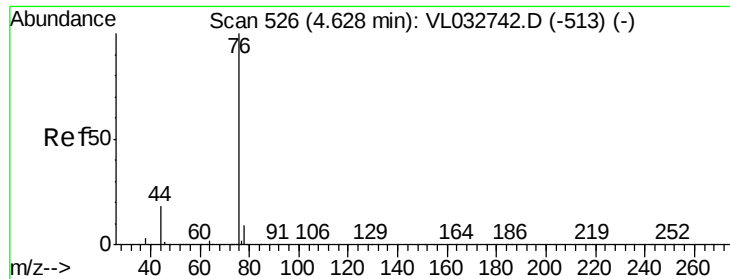
Tgt Ion:	43	Resp:	531634
Ion	Ratio	Lower	Upper
43	100		
45	1.4	7.9	11.9#
61	0.6	7.8	11.6#
70	2.6	5.8	8.6#



#26
Hexane
Concen: 5.717 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

Tgt Ion:	57	Resp:	753288
Ion	Ratio	Lower	Upper
57	100		
41	95.6	70.3	105.5
43	71.1	174.0	261.0#
56	56.9	42.3	63.5





#27

Carbon Disulfide

Concen: 1.492 ppbv

RT: 4.62 min Scan# 524

Delta R.T. -0.01 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

MMSV-03

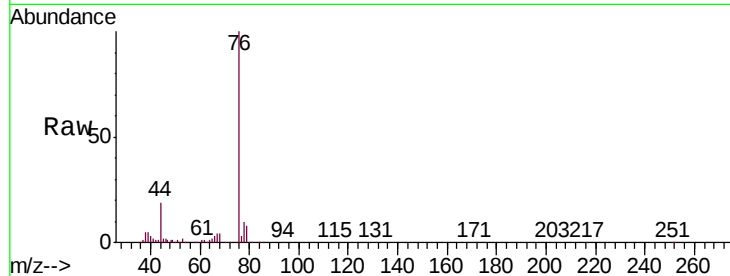
Tgt Ion: 76 Resp: 249256

Ion Ratio Lower Upper

76 100

44 19.0 14.4 21.6

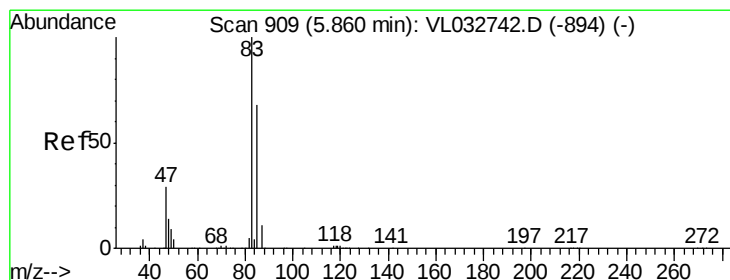
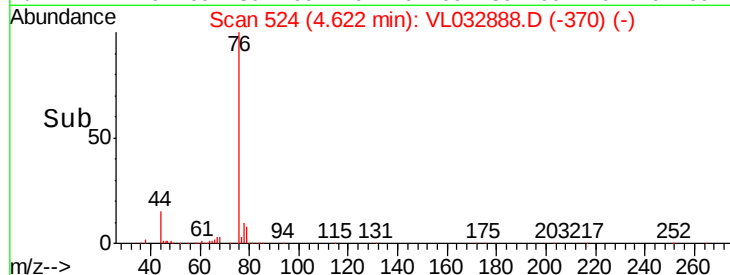
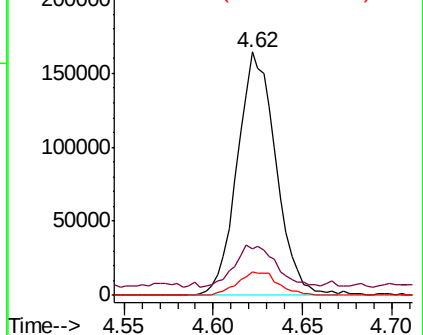
78 10.4 7.7 11.5



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



#29

Chloroform

Concen: 0.075 ppbv

RT: 5.86 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL032888.D

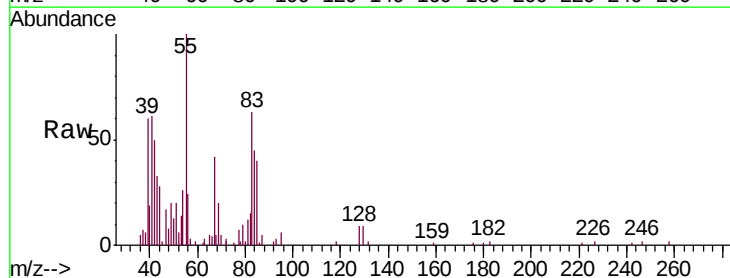
Acq: 4 Dec 2018 22:42

Tgt Ion: 83 Resp: 17720

Ion Ratio Lower Upper

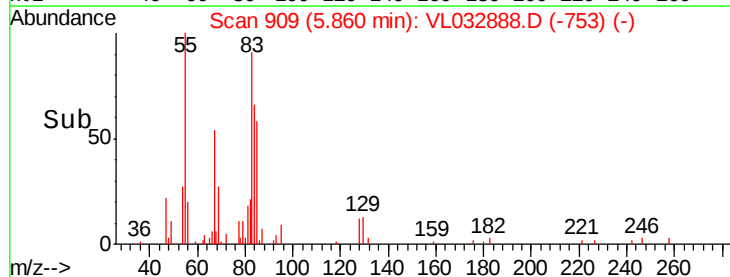
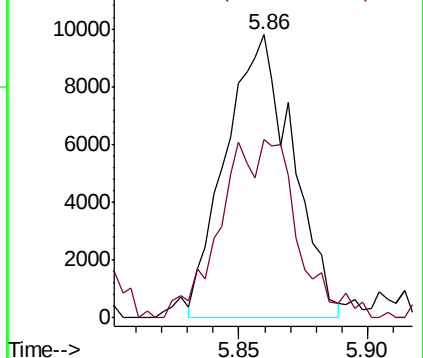
83 100

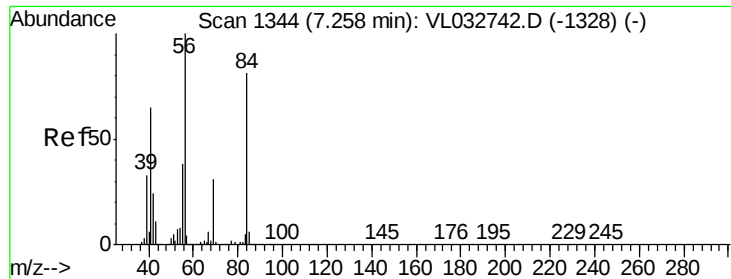
85 60.4 54.2 81.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

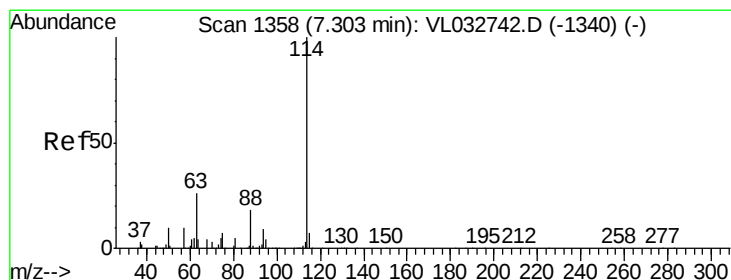
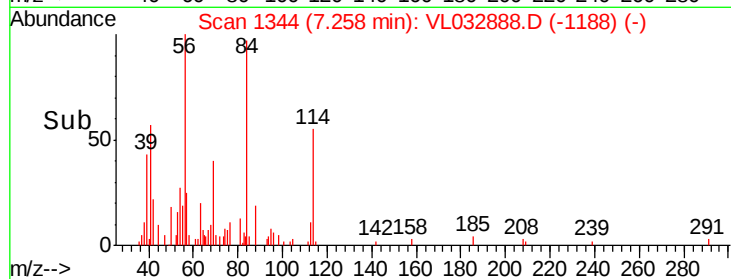
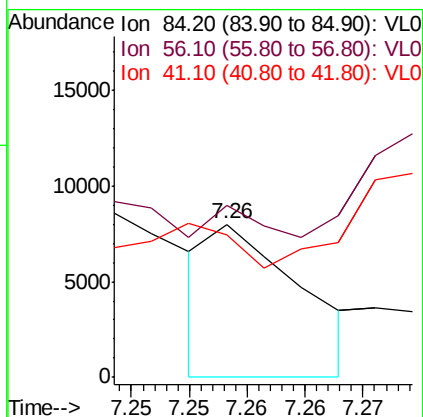
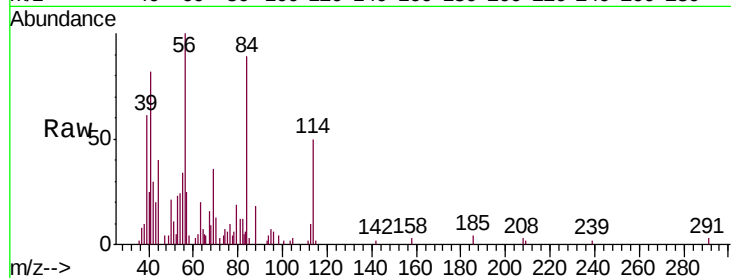




#30
Cyclohexane
Concen: 0.038 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

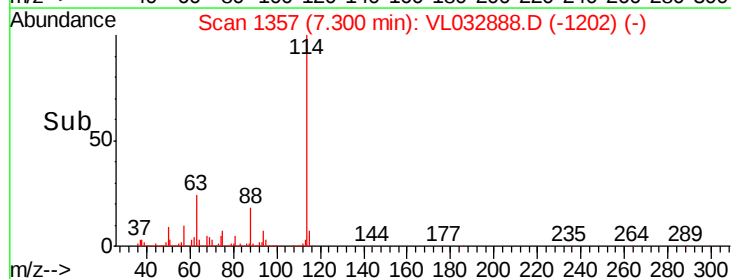
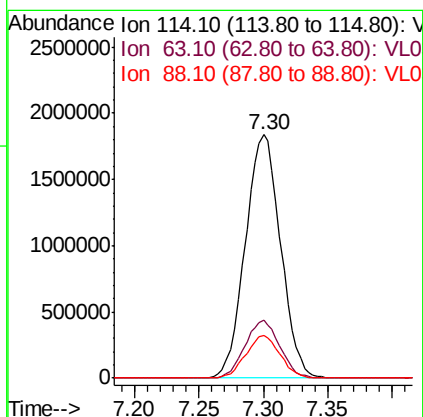
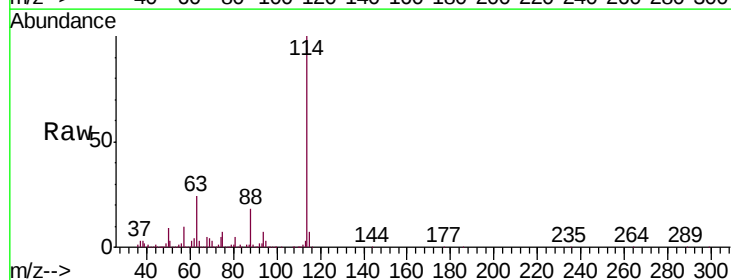
Instrument :
MSVOA_L
ClientSampleId :
MMSV-03

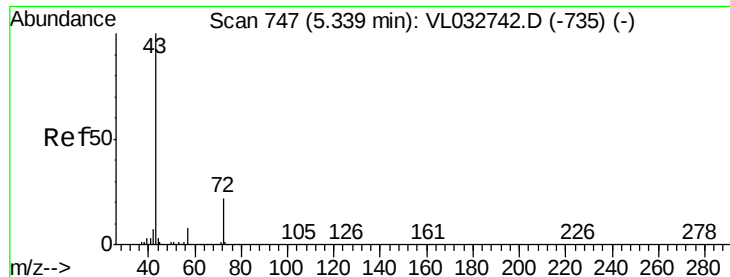
Tgt Ion: 84 Resp: 4341
Ion Ratio Lower Upper
84 100
56 0.0 105.0 157.4#
41 0.0 65.3 97.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

Tgt Ion: 114 Resp: 3495296
Ion Ratio Lower Upper
114 100
63 23.5 20.9 31.3
88 17.1 14.4 21.6

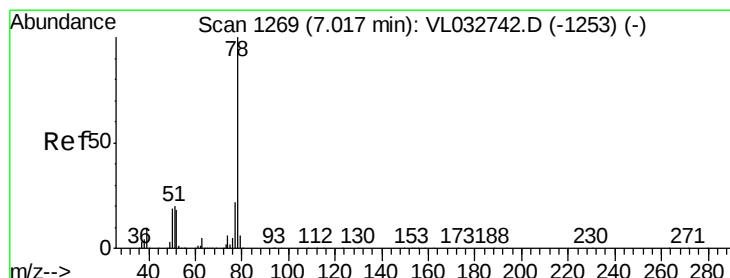
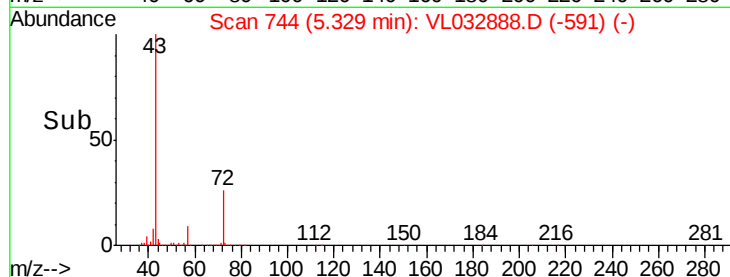
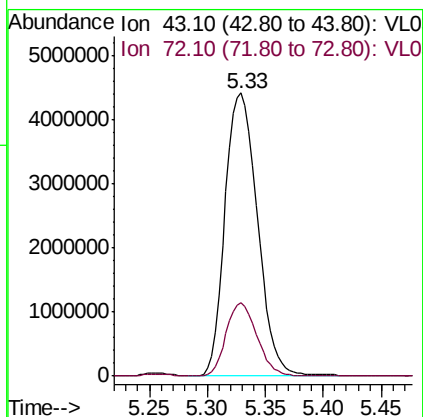
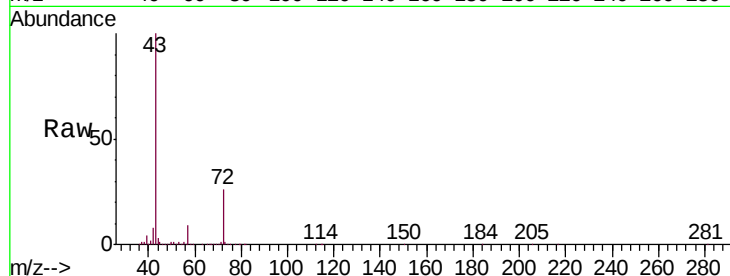




#34
2-Butanone
Concen: 47.476 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.01 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

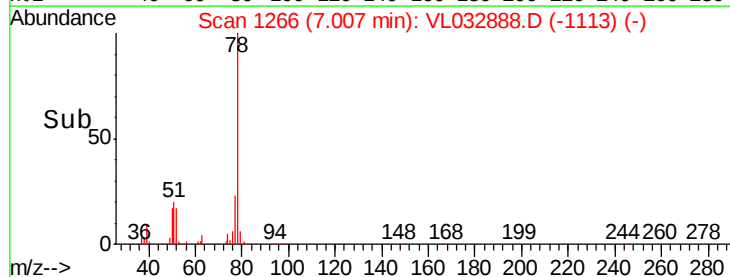
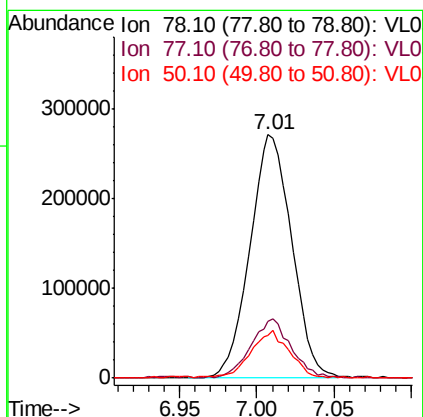
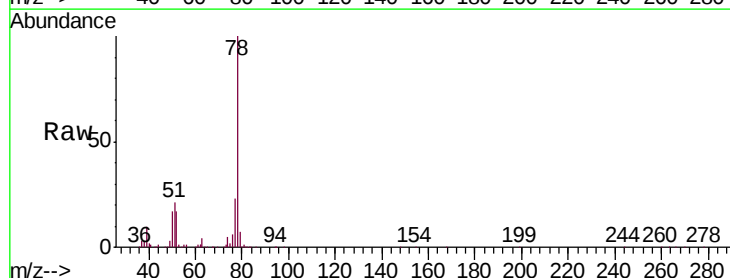
Instrument :
MSVOA_L
ClientSampleId :
MMSV-03

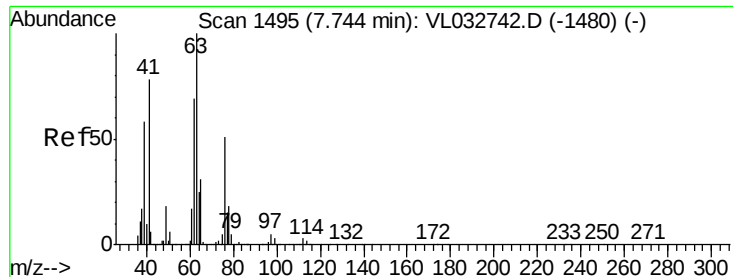
Tgt Ion: 43 Resp: 8606837
Ion Ratio Lower Upper
43 100
72 24.8 18.4 27.6



#36
Benzene
Concen: 1.833 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

Tgt Ion: 78 Resp: 510121
Ion Ratio Lower Upper
78 100
77 22.7 17.8 26.8
50 17.1 15.4 23.0

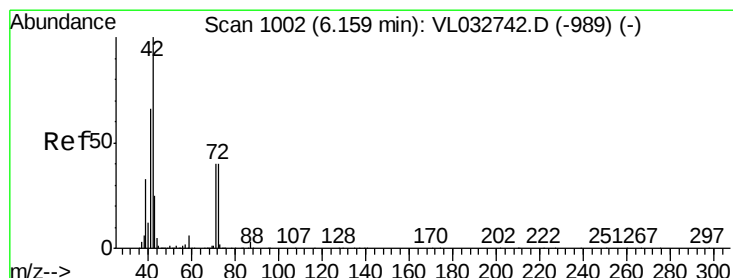
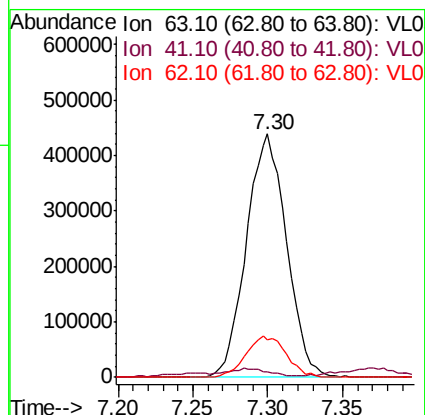
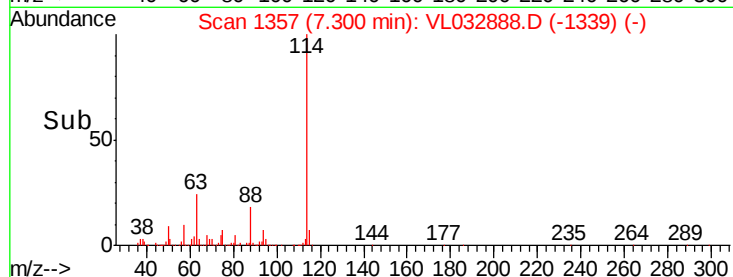
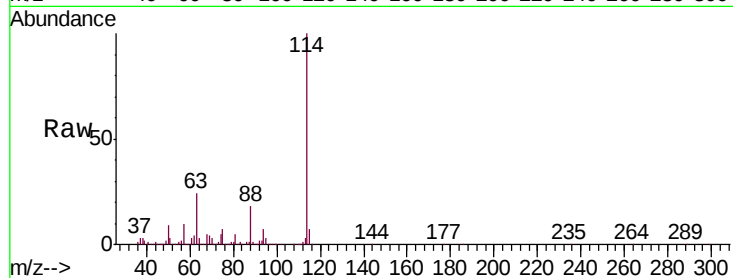




#39
 1,2-Dichloropropane
 Concen: 7.694 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.44 min
 Lab File: VL032888.D
 Acq: 4 Dec 2018 22:42

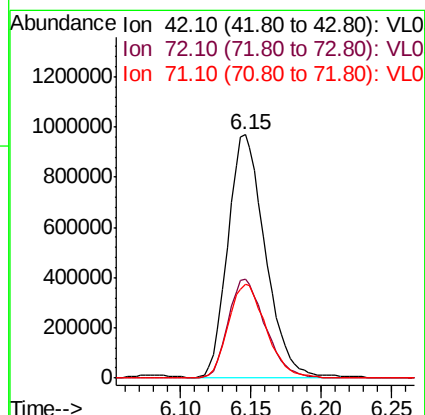
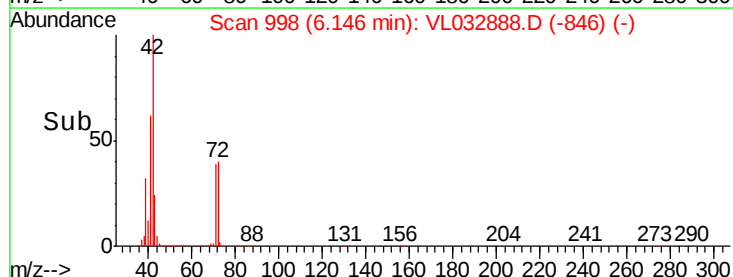
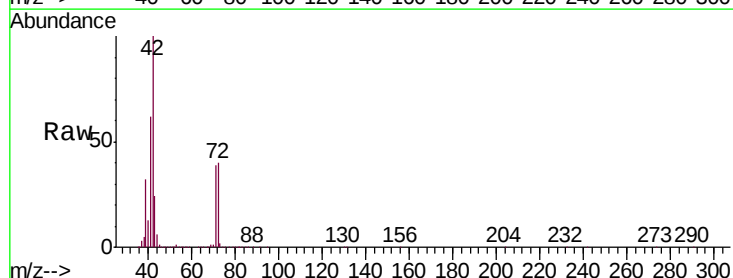
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-03

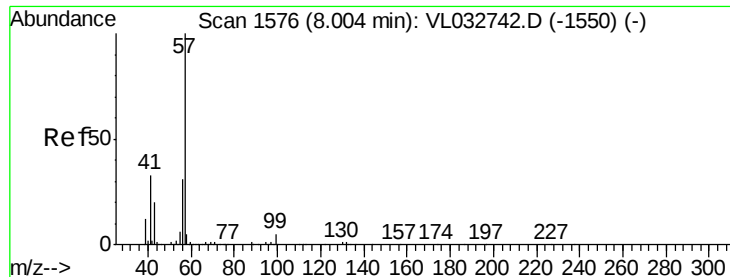
Tgt Ion: 63 Resp: 815923
 Ion Ratio Lower Upper
 63 100
 41 0.6 62.0 93.0#
 62 15.4 55.4 83.2#



#41
 Tetrahydrofuran
 Concen: 17.206 ppbv
 RT: 6.15 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VL032888.D
 Acq: 4 Dec 2018 22:42

Tgt Ion: 42 Resp: 1789187
 Ion Ratio Lower Upper
 42 100
 72 40.8 32.4 48.6
 71 39.4 31.6 47.4

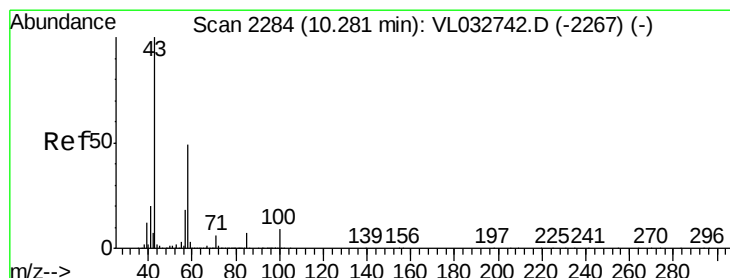
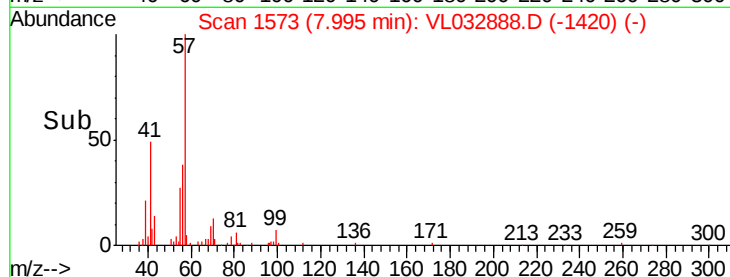
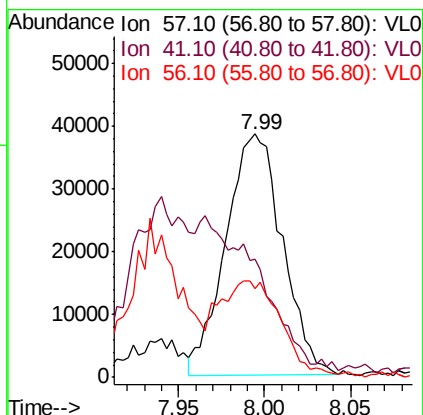
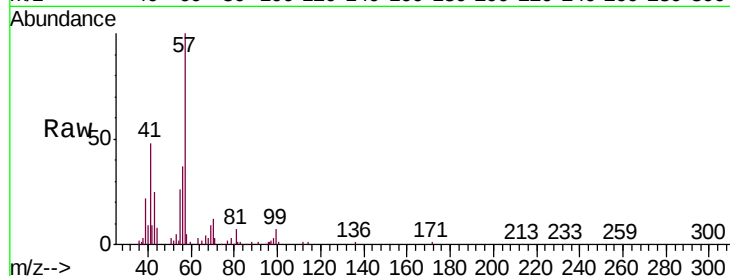




#44
 2,2,4-Trimethylpentane
 Concen: 0.189 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL032888.D
 Acq: 4 Dec 2018 22:42

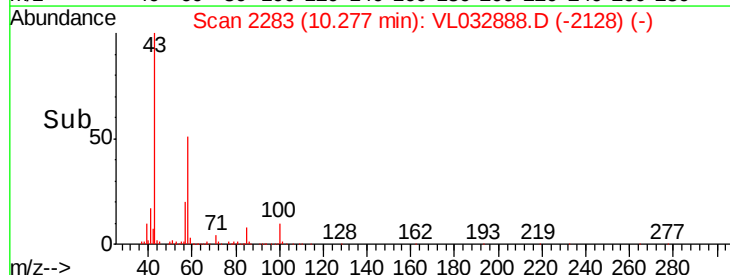
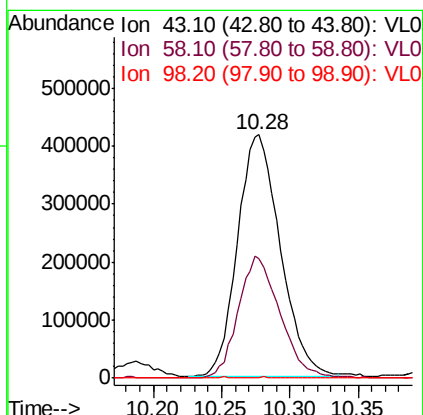
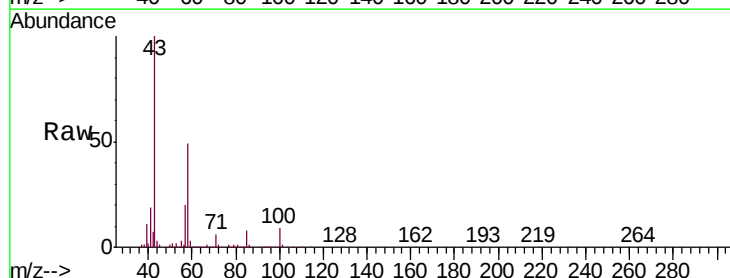
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-03

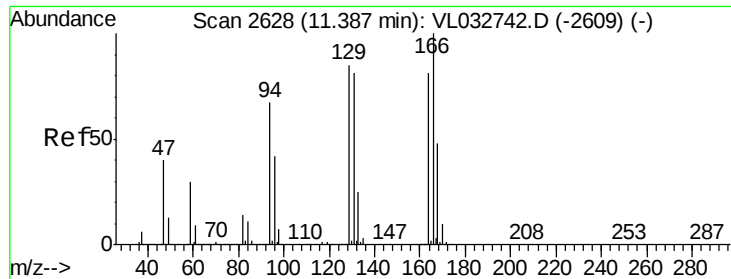
Tgt Ion: 57 Resp: 87869
 Ion Ratio Lower Upper
 57 100
 41 0.0 26.6 39.8#
 56 46.7 24.8 37.2#



#51
 2-Hexanone
 Concen: 4.992 ppbv
 RT: 10.28 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VL032888.D
 Acq: 4 Dec 2018 22:42

Tgt Ion: 43 Resp: 910728
 Ion Ratio Lower Upper
 43 100
 58 48.8 38.9 58.3
 98 0.3 0.2 0.4





#52

Tetrachloroethene

Concen: 0.131 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

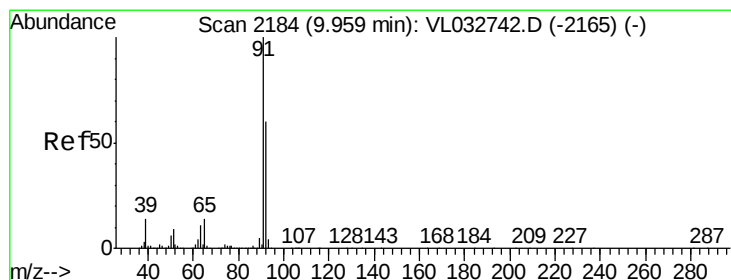
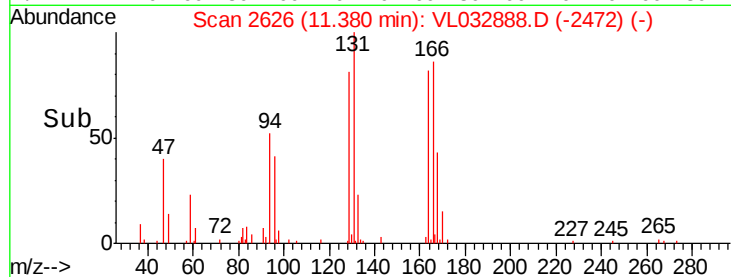
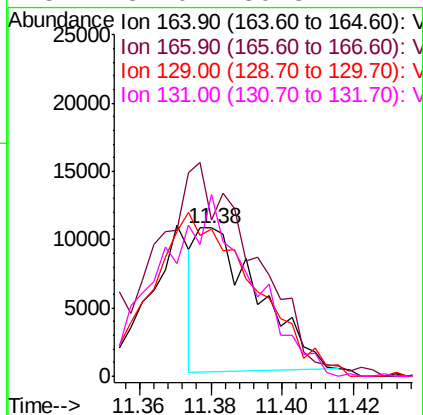
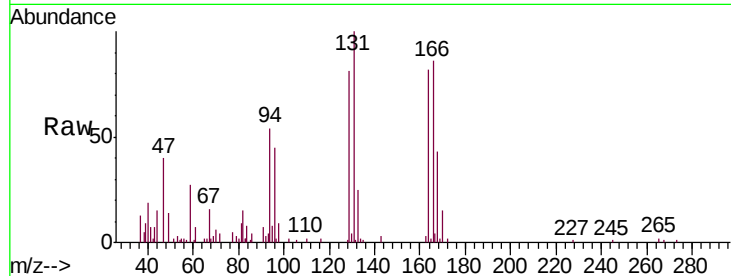
Instrument :

MSVOA_L

ClientSampleId :

MMSV-03

Tgt Ion:	164	Resp:	12713
Ion	Ratio	Lower	Upper
164	100		
166	103.5	99.3	148.9
129	96.8	83.9	125.9
131	131.0	80.8	121.2#



#53

Toluene

Concen: 2.225 ppbv

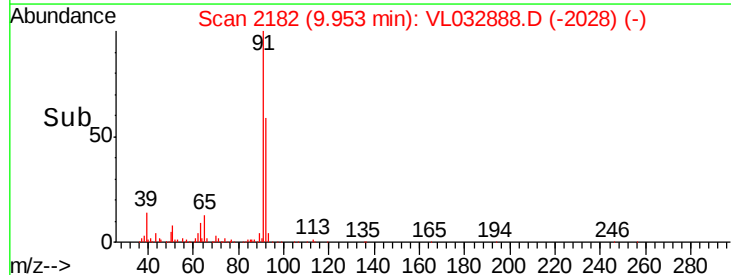
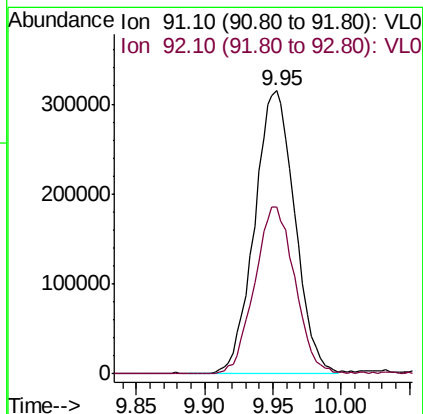
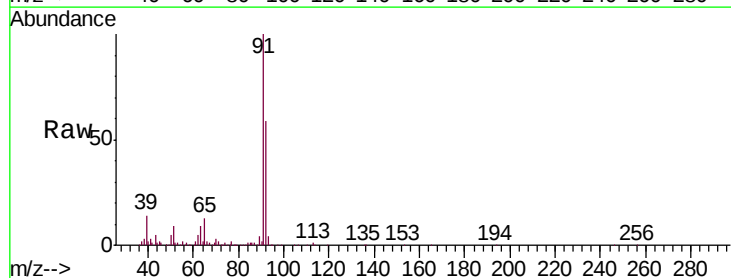
RT: 9.95 min Scan# 2182

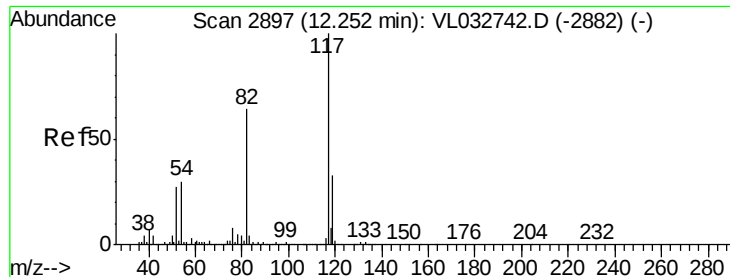
Delta R.T. -0.01 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Tgt Ion:	91	Resp:	646160
Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.9	71.9

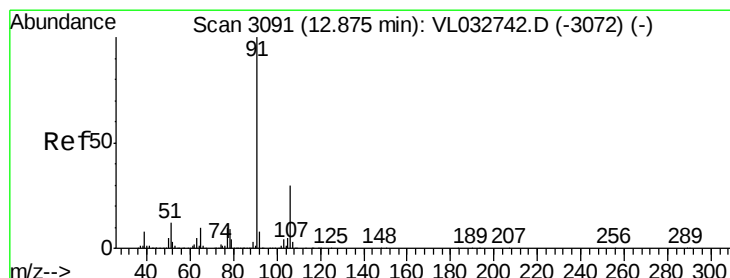
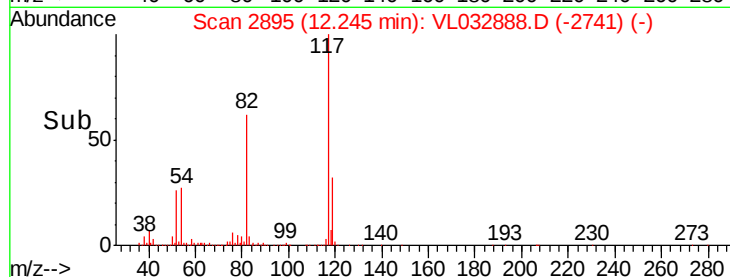
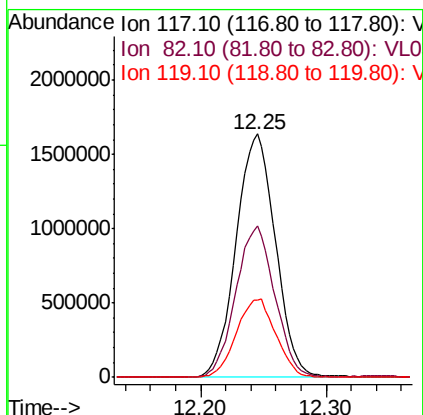
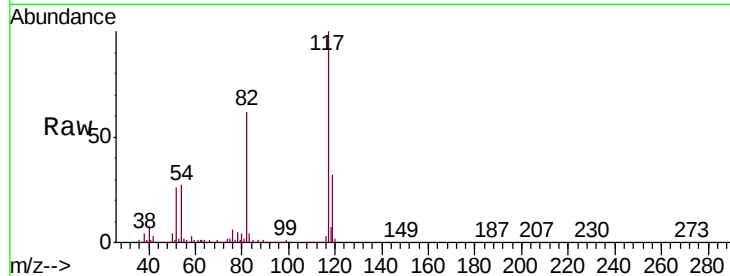




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

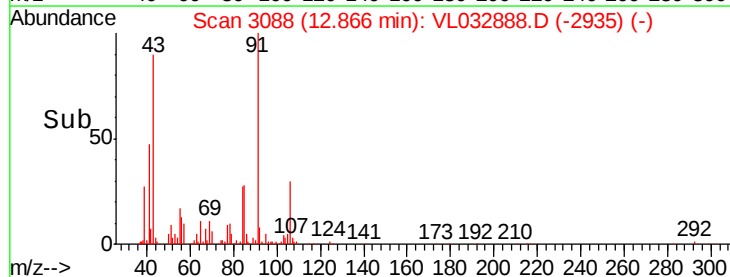
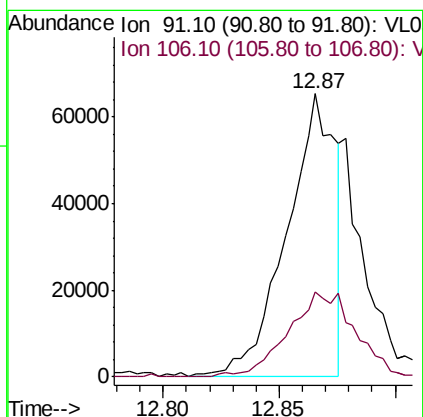
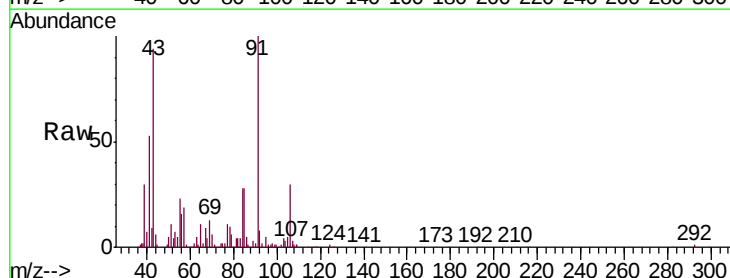
Instrument :
MSVOA_L
ClientSampleId :
MMSV-03

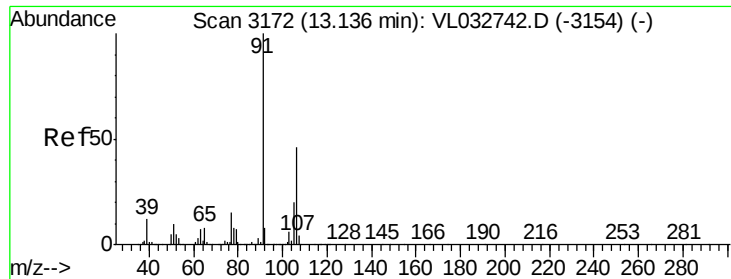
Tgt Ion: 117 Resp: 3566374
Ion Ratio Lower Upper
117 100
82 61.9 51.0 76.6
119 32.6 28.0 42.0



#58
Ethyl Benzene
Concen: 0.220 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL032888.D
Acq: 4 Dec 2018 22:42

Tgt Ion: 91 Resp: 94357
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4





#59

m/p-Xylene

Concen: 0.670 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.01 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

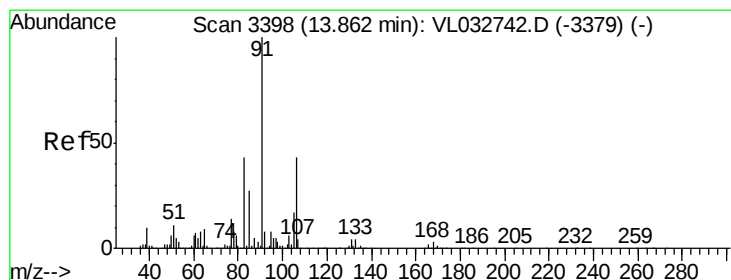
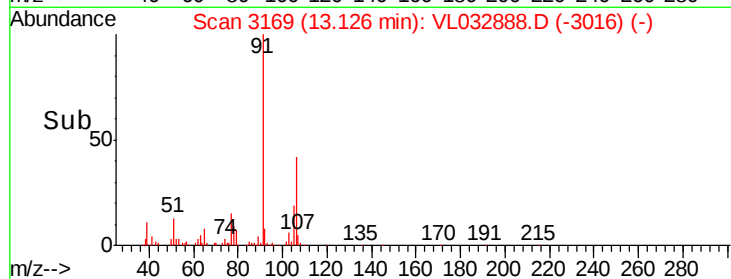
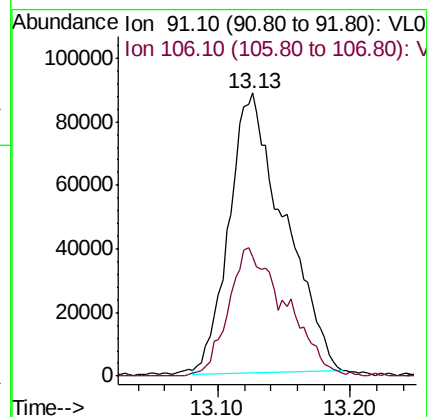
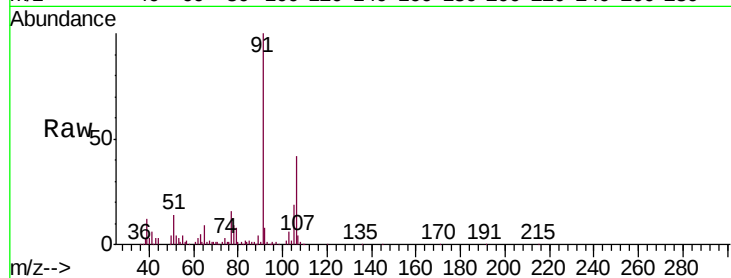
MMSV-03

Tgt Ion: 91 Resp: 256149

Ion Ratio Lower Upper

91 100

106 47.8 36.1 54.1



#60

o-Xylene

Concen: 0.347 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL032888.D

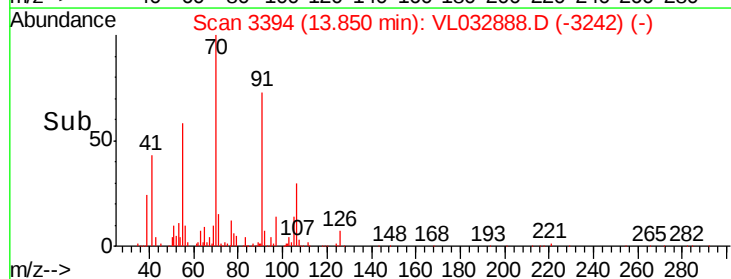
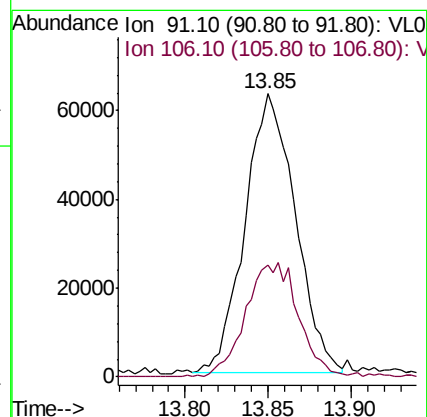
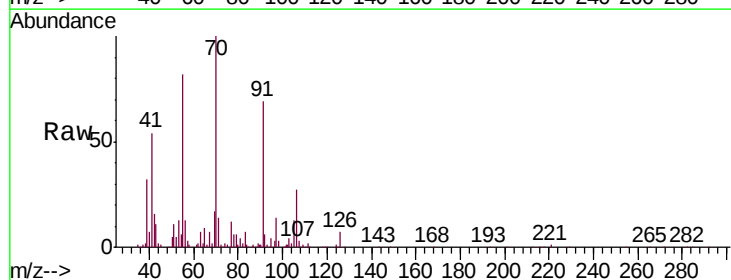
Acq: 4 Dec 2018 22:42

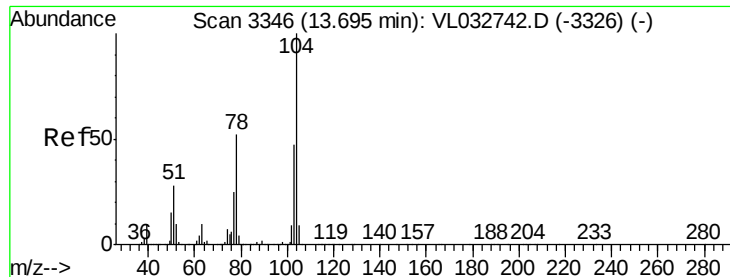
Tgt Ion: 91 Resp: 133174

Ion Ratio Lower Upper

91 100

106 43.8 21.9 65.7





#61

Styrene

Concen: 0.140 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

MMSV-03

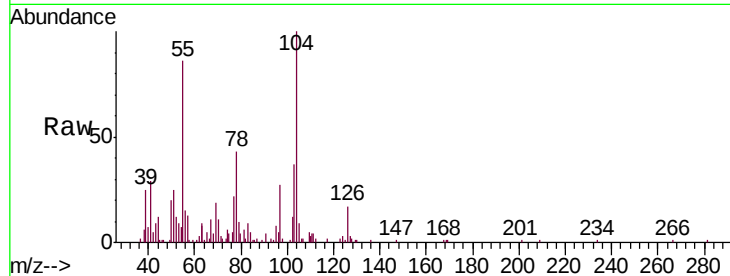
Tgt Ion:104 Resp: 35094

Ion Ratio Lower Upper

104 100

78 82.0 42.2 63.4#

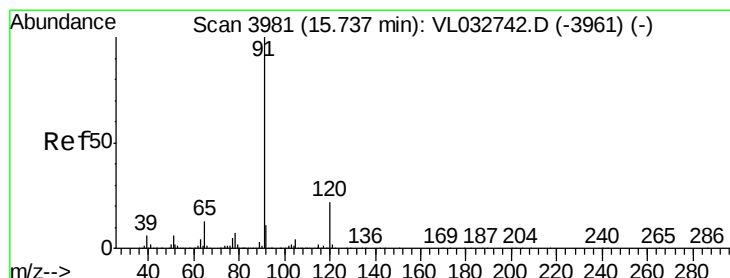
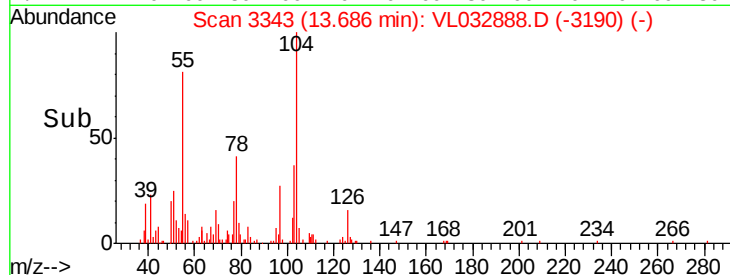
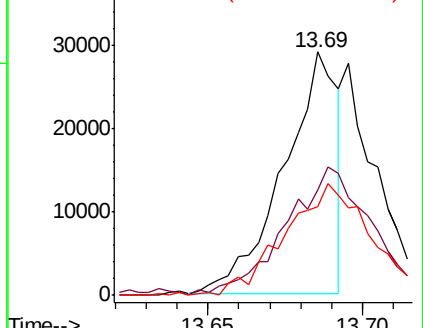
103 77.1 38.2 57.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#64

n-propylbenzene

Concen: 0.035 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL032888.D

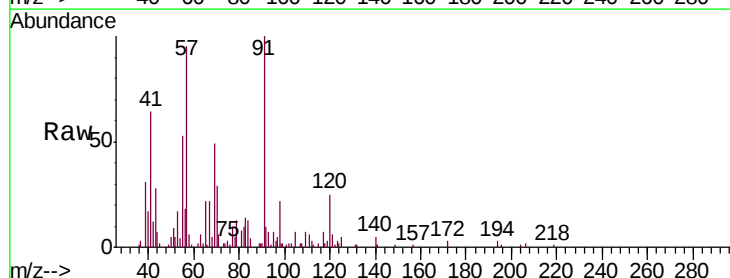
Acq: 4 Dec 2018 22:42

Tgt Ion:120 Resp: 4753

Ion Ratio Lower Upper

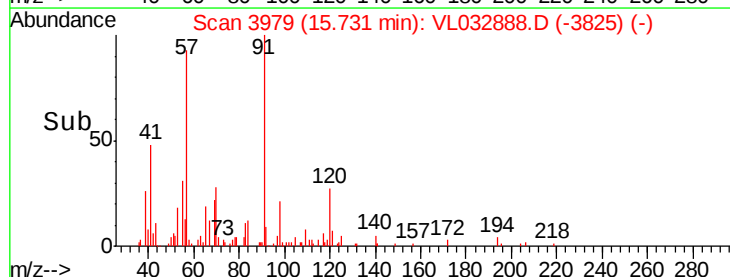
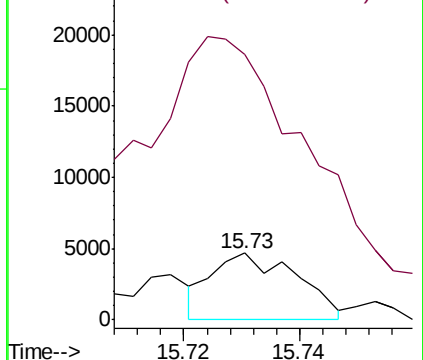
120 100

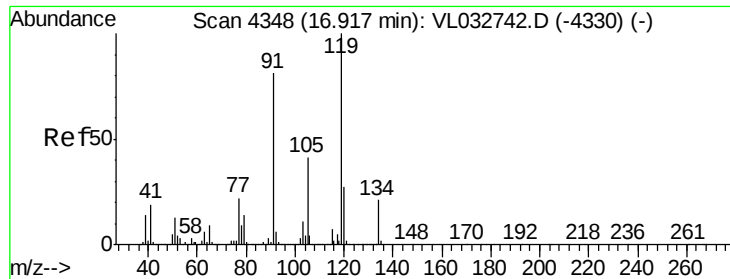
91 964.3 381.7 572.5#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

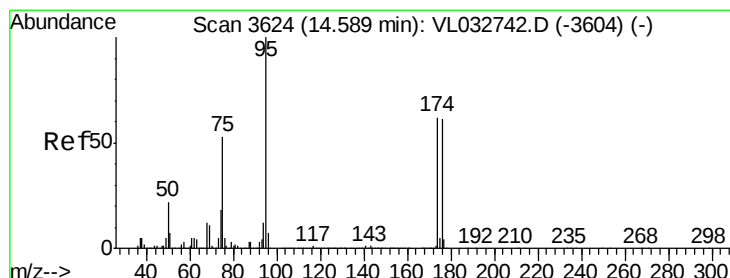
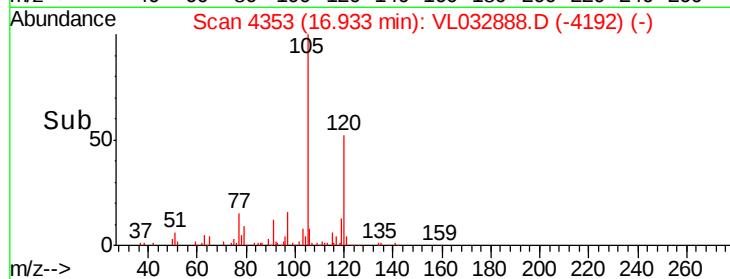
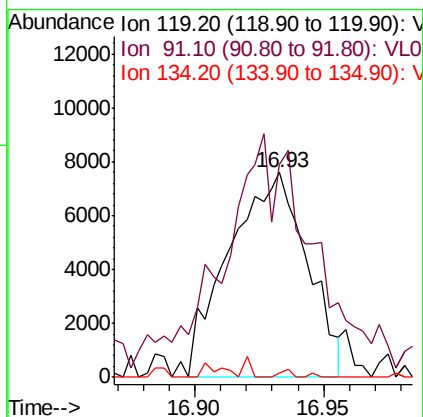
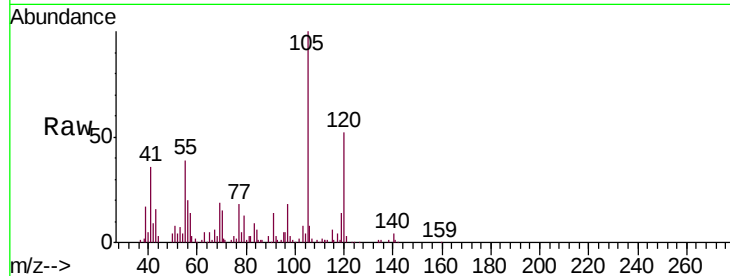




#65
 tert-Butylbenzene
 Concen: 0.034 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. 0.02 min
 Lab File: VL032888.D
 Acq: 4 Dec 2018 22:42

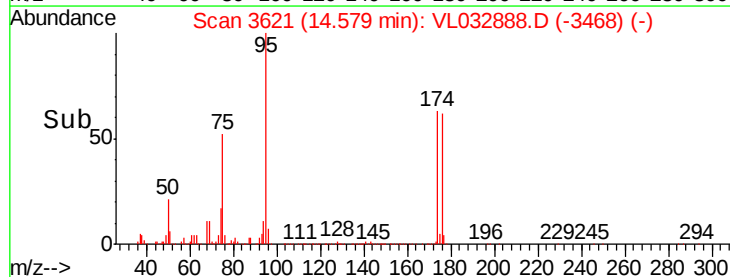
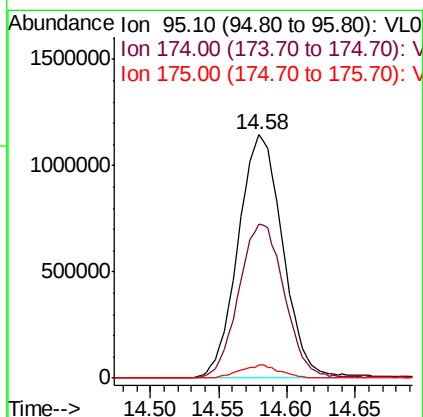
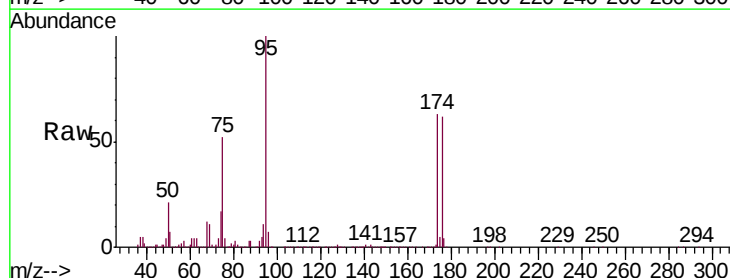
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-03

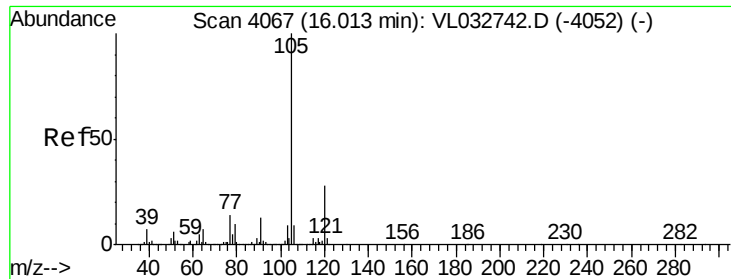
Tgt Ion: 119 Resp: 16045
 Ion Ratio Lower Upper
 119 100
 91 128.3 65.6 98.4#
 134 0.0 15.9 23.9#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.689 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032888.D
 Acq: 4 Dec 2018 22:42

Tgt Ion: 95 Resp: 2584620
 Ion Ratio Lower Upper
 95 100
 174 65.6 50.7 76.1
 175 4.9 3.8 5.6





#72

4-Ethyltoluene

Concen: 0.115 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.01 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

MMSV-03

Tgt Ion:105 Resp: 48385

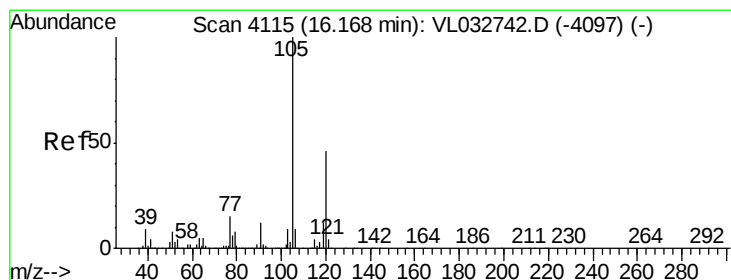
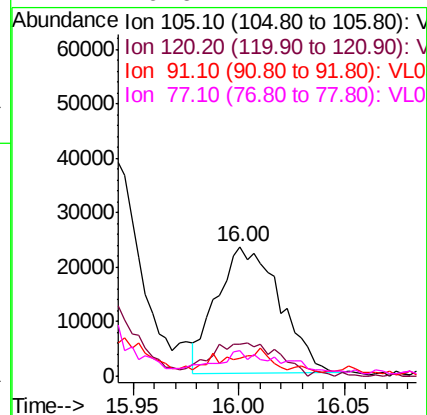
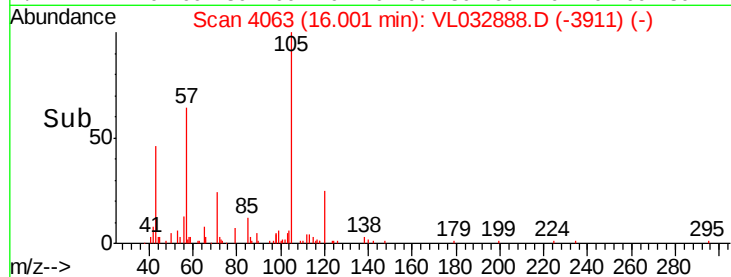
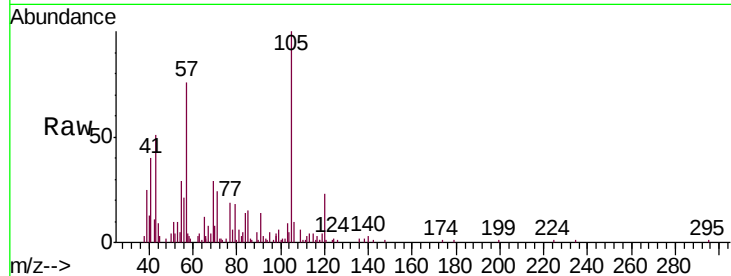
Ion Ratio Lower Upper

105 100

120 29.2 22.9 34.3

91 19.7 10.6 15.8#

77 20.6 11.4 17.2#



#73

1,3,5-Trimethylbenzene

Concen: 0.145 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. -0.00 min

Lab File: VL032888.D

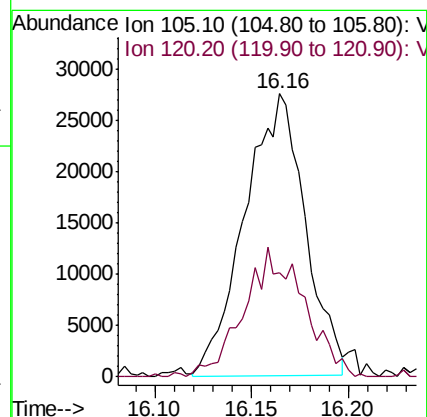
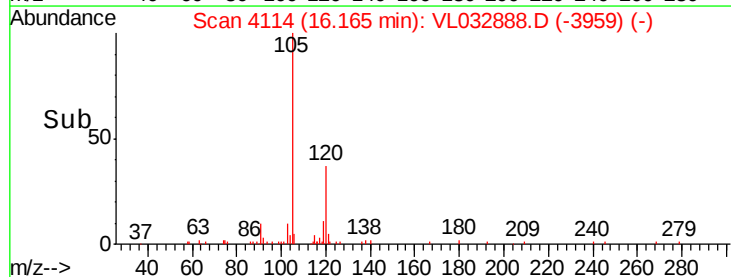
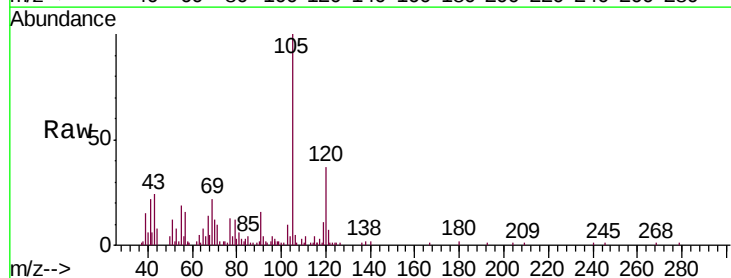
Acq: 4 Dec 2018 22:42

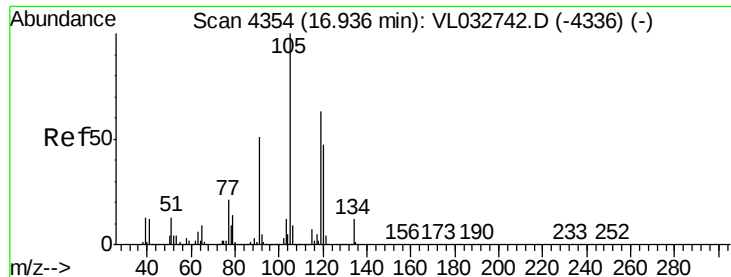
Tgt Ion:105 Resp: 59540

Ion Ratio Lower Upper

105 100

120 35.6 36.6 55.0#





#74

1,2,4-Trimethylbenzene

Concen: 0.192 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.01 min

Lab File: VL032888.D

Acq: 4 Dec 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

MMSV-03

Tgt Ion:105 Resp: 84725

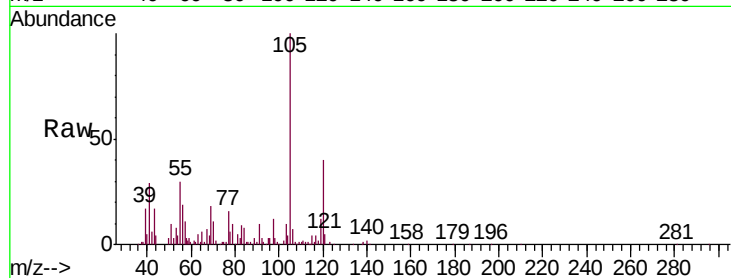
Ion Ratio Lower Upper

105 100

120 39.8 37.6 56.4

91 6.9 42.5 63.7#

77 15.6 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

