

Data File : VL032893.D
Acq On : 5 Dec 2018 1:58
Operator : SY/AP
Sample : J6176-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL

Quant Time: Dec 05 05:52:43 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	5.77	49	1504779	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3820360	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3871956	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2793215	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	3.02	51	7800	0.065	ppbv #	88
4) Chloromethane	3.17	50	4417	0.067	ppbv #	86
5) Vinyl Chloride	3.05	62	554627	7.912	ppbv #	44
9) Propene	3.04	41	1087639	22.782	ppbv	95
10) Heptane	8.25	43	147917	0.812	ppbv	100
13) Ethanol	3.66	45	58785	3.759	ppbv	98
15) Acetone	3.90	43	995934	7.247	ppbv	99
16) 1,3-Butadiene	3.35	39	400912	7.533	ppbv #	20
17) tert-Butyl alcohol	4.37	59	2447	0.057	ppbv #	73
20) Methylene Chloride	4.42	84	8836	0.124	ppbv #	83
21) Allyl Chloride	4.44	41	135186	1.171	ppbv #	55
23) Vinyl Acetate	5.14	43	67466	0.269	ppbv #	1
25) Ethyl Acetate	5.79	43	148645	0.464	ppbv #	81
26) Hexane	5.79	57	213954	1.501	ppbv #	41
27) Carbon Disulfide	4.63	76	18995414	105.070	ppbv #	80
30) Cyclohexane	7.26	84	90579	0.726	ppbv #	88
34) 2-Butanone	5.34	43	554608	2.799	ppbv	99
36) Benzene	7.01	78	13408893	44.076	ppbv #	89
39) 1,2-Dichloropropane	7.30	63	874645	7.546	ppbv #	22
41) Tetrahydrofuran	6.17	42	139949	1.231	ppbv	100
42) Bromodichloromethane	7.93	83	31769	0.114	ppbv #	30
43) Methyl Methacrylate	8.11	69	9874	0.087	ppbv #	1
44) 2,2,4-Trimethylpentane	8.00	57	295338	0.581	ppbv #	81
47) 1,1,2-Trichloroethane	10.03	97	340114	2.482	ppbv #	16
51) 2-Hexanone	10.30	43	15045	0.075	ppbv #	1
53) Toluene	9.95	91	9724688	30.641	ppbv	96
58) Ethyl Benzene	12.87	91	1911506	4.102	ppbv	99
59) m/p-Xylene	13.12	91	3971002	9.573	ppbv	95
60) o-Xylene	13.85	91	1952217	4.680	ppbv	98
61) Styrene	13.69	104	33985	0.125	ppbv #	35
62) Isopropylbenzene	14.83	105	186570	0.331	ppbv	99
64) n-propylbenzene	15.72	120	10405	0.070	ppbv #	1
72) 4-Ethyltoluene	16.00	105	88781	0.194	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.16	105	225729	0.505	ppbv	94
74) 1,2,4-Trimethylbenzene	16.93	105	154375	0.323	ppbv #	69

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

Data File : VL032893.D

Acq On : 5 Dec 2018 1:58

Operator : SY/AP

Sample : J6176-02DL 10X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL

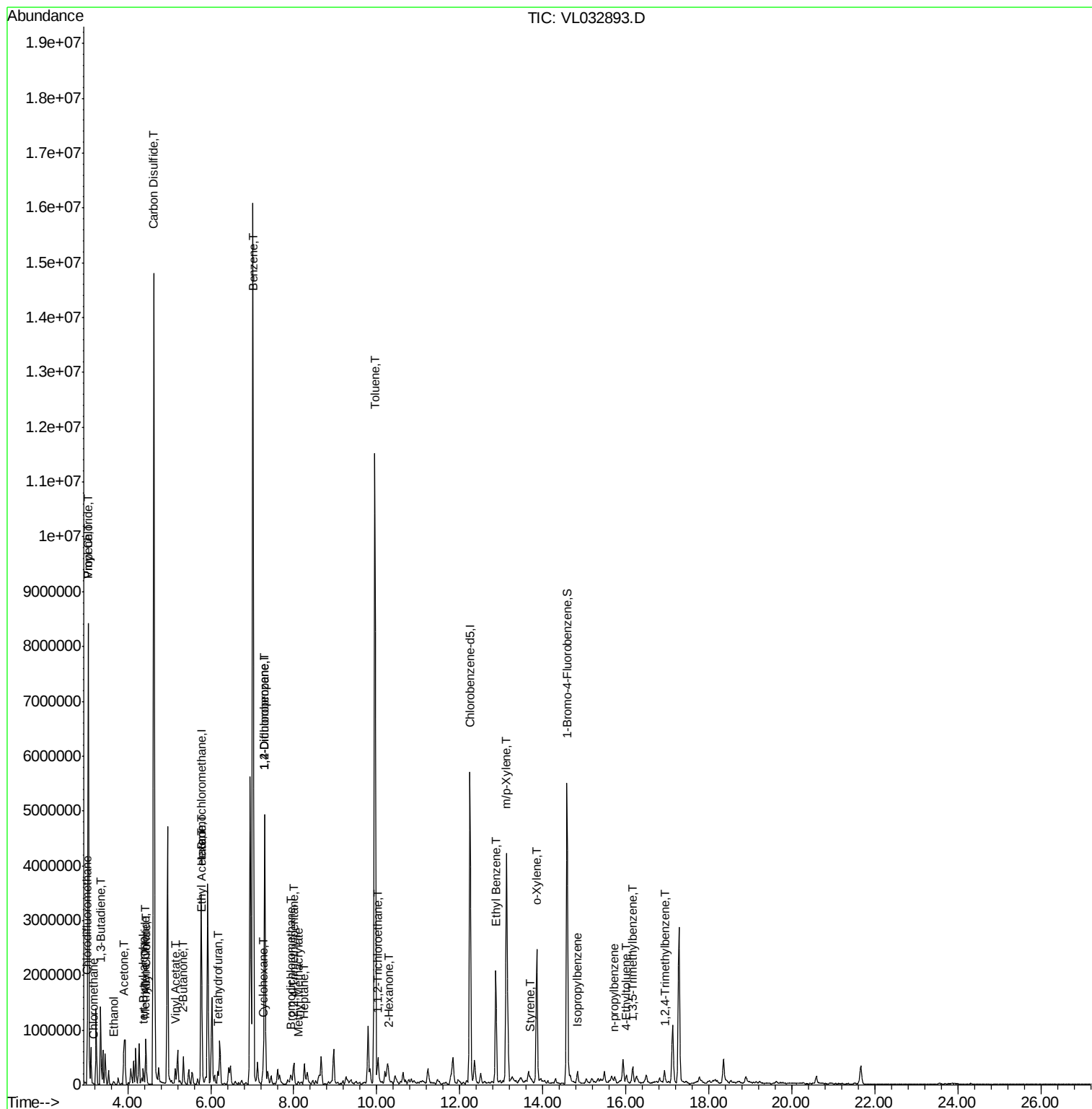
Quant Time: Dec 05 05:52:43 2018

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

MMSV-05DL

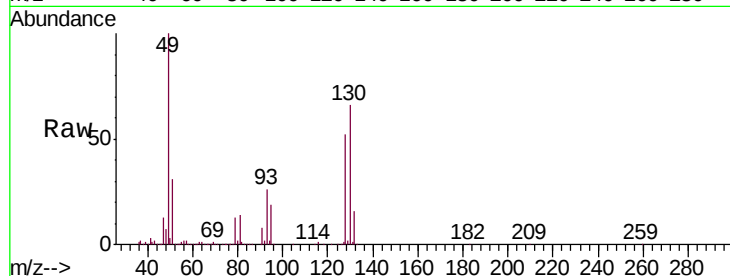
Tgt Ion: 49 Resp: 1504779

Ion Ratio Lower Upper

49 100

128 52.8 24.9 74.6

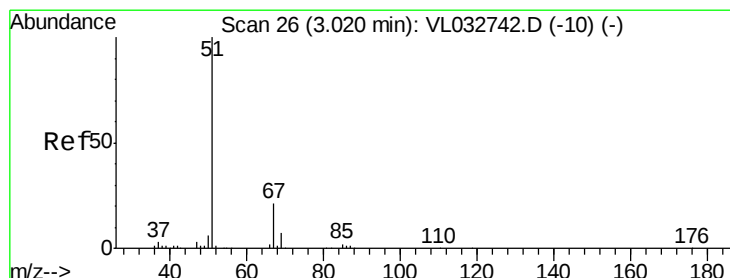
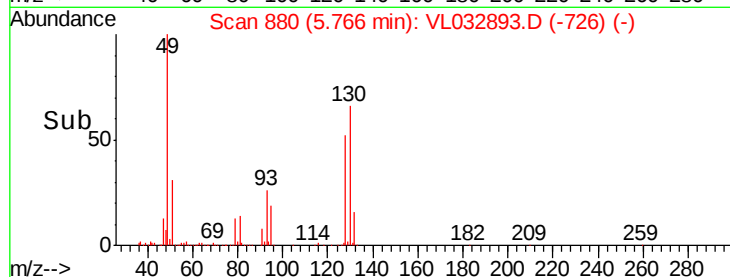
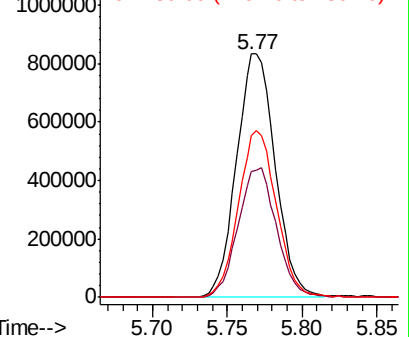
130 67.7 31.4 94.2



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



#3

Chlorodifluoromethane

Concen: 0.065 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL032893.D

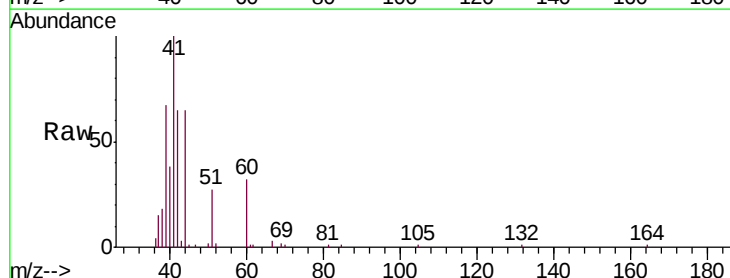
Acq: 5 Dec 2018 1:58

Tgt Ion: 51 Resp: 7800

Ion Ratio Lower Upper

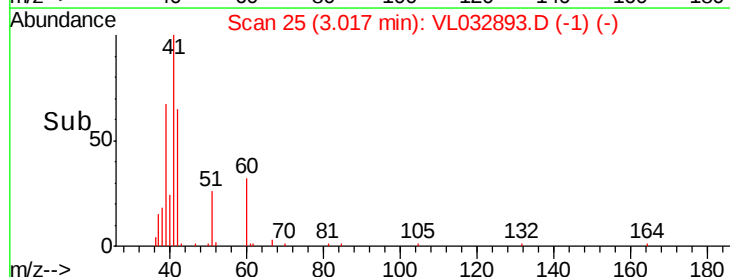
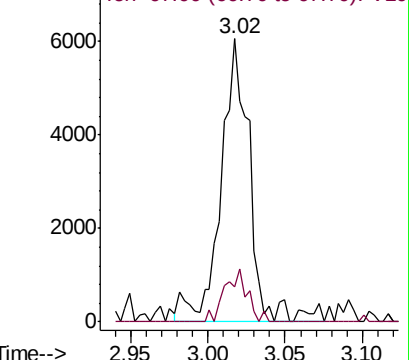
51 100

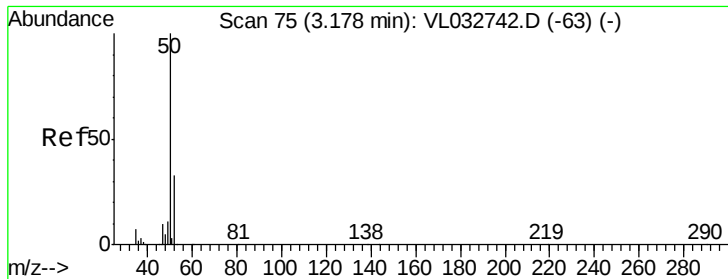
67 14.5 16.1 24.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.067 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

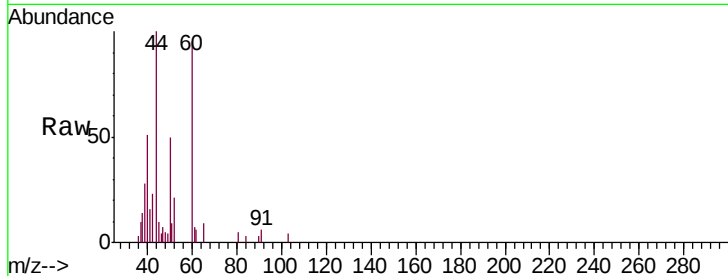
MMSV-05DL

Tgt Ion: 50 Resp: 4417

Ion Ratio Lower Upper

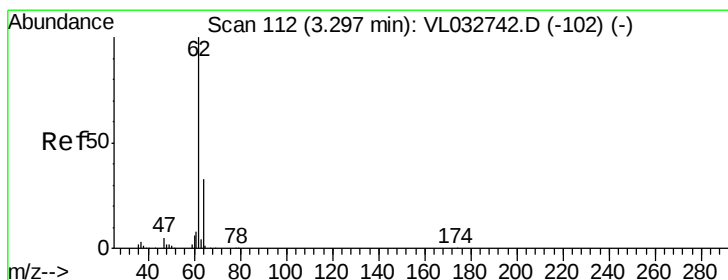
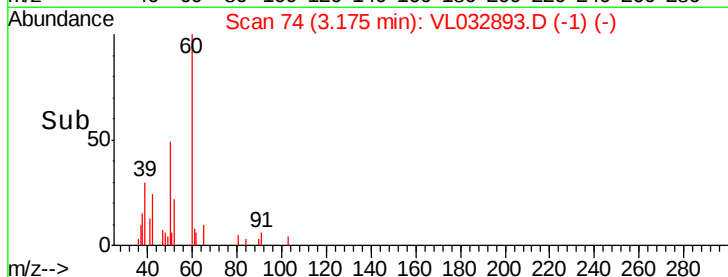
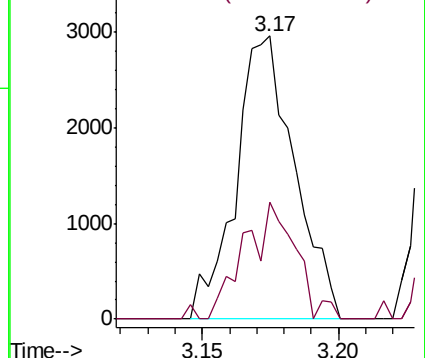
50 100

52 41.3 26.6 40.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#5

Vinyl Chloride

Concen: 7.912 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.24 min

Lab File: VL032893.D

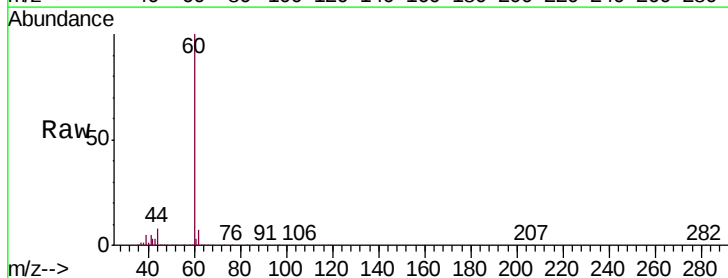
Acq: 5 Dec 2018 1:58

Tgt Ion: 62 Resp: 554627

Ion Ratio Lower Upper

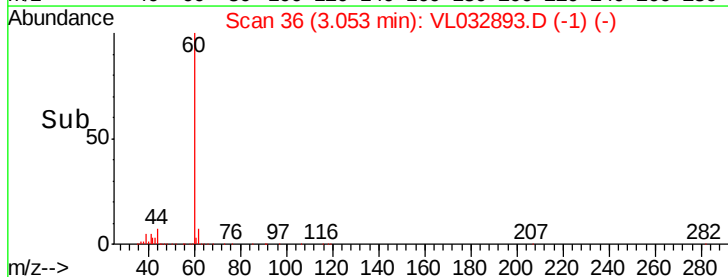
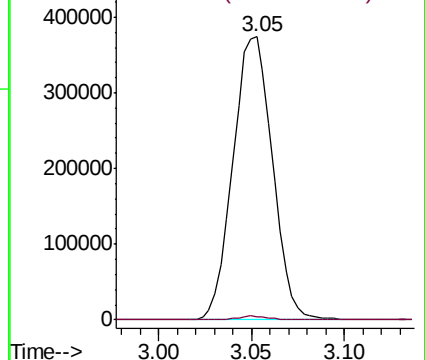
62 100

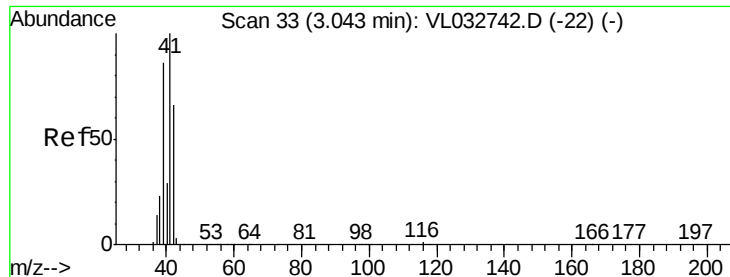
64 1.0 26.2 39.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 22.782 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

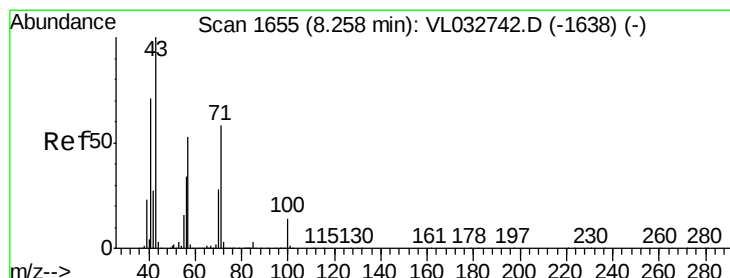
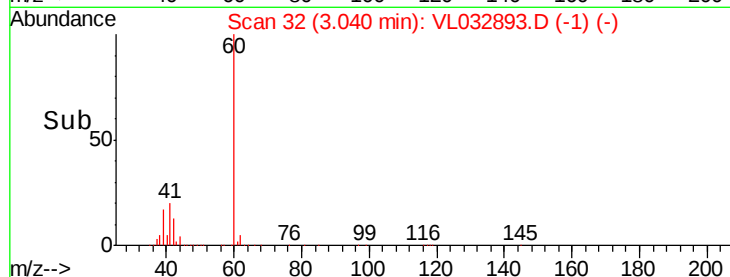
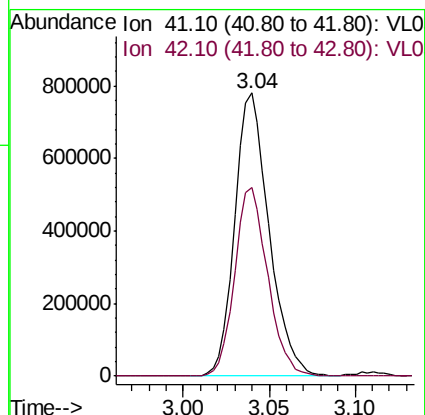
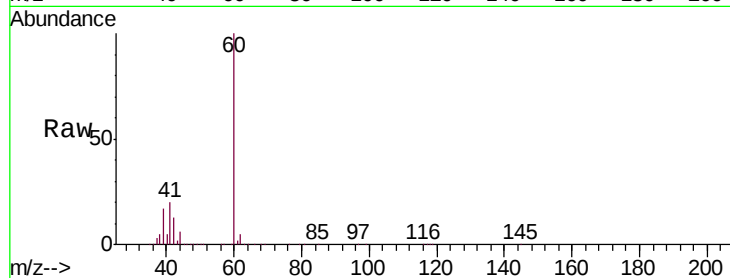
MMSV-05DL

Tgt Ion: 41 Resp: 1087639

Ion Ratio Lower Upper

41 100

42 64.4 55.0 82.6



#10

Heptane

Concen: 0.812 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032893.D

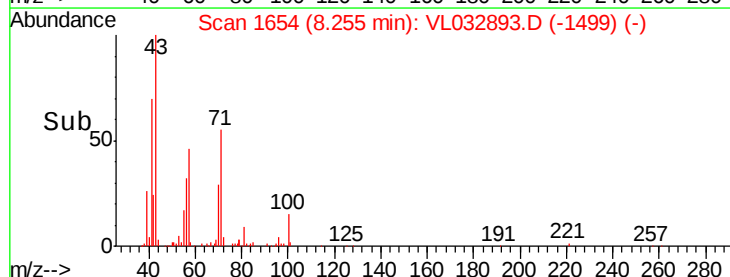
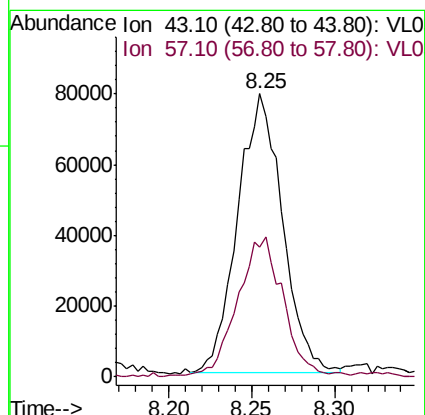
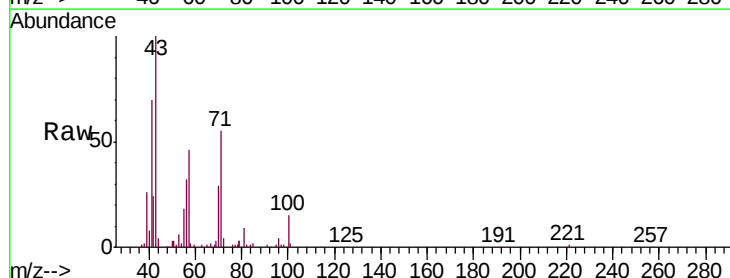
Acq: 5 Dec 2018 1:58

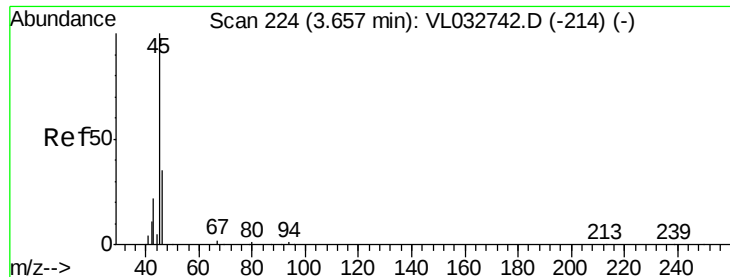
Tgt Ion: 43 Resp: 147917

Ion Ratio Lower Upper

43 100

57 52.4 41.8 62.8





#13

Ethanol

Concen: 3.759 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

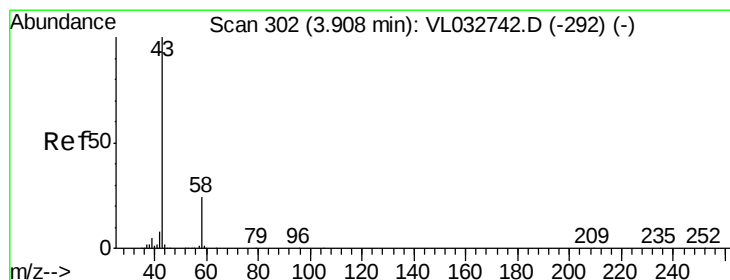
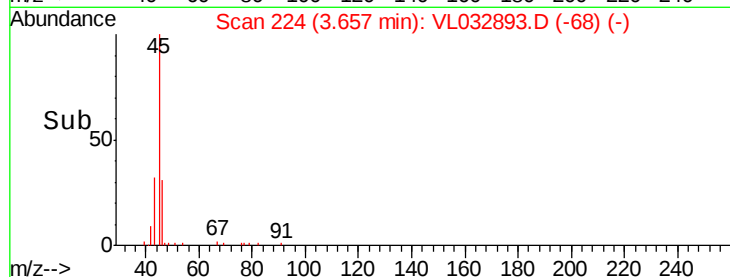
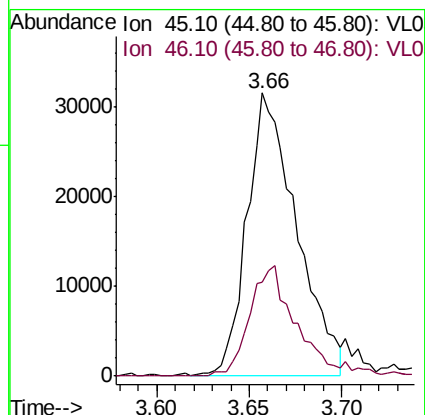
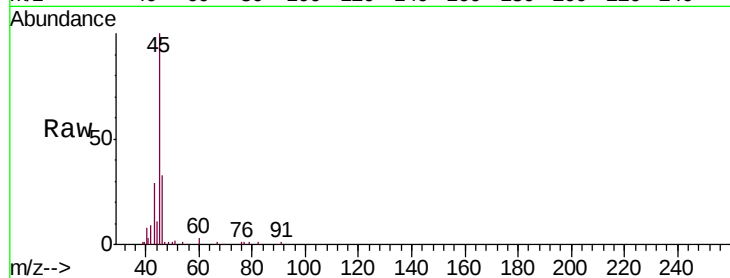
MMSV-05DL

Tgt Ion: 45 Resp: 58785

Ion Ratio Lower Upper

45 100

46 37.5 14.5 57.9



#15

Acetone

Concen: 7.247 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL032893.D

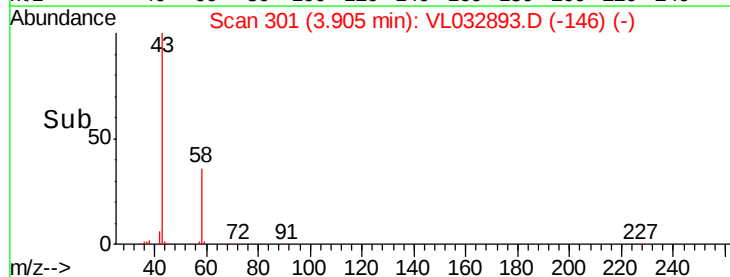
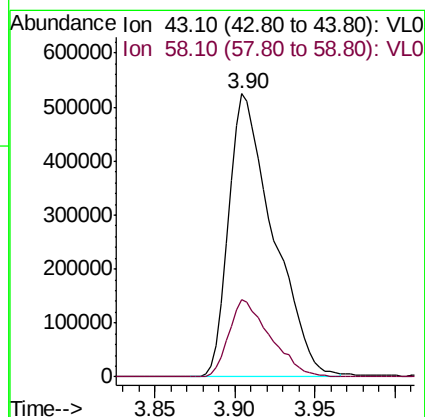
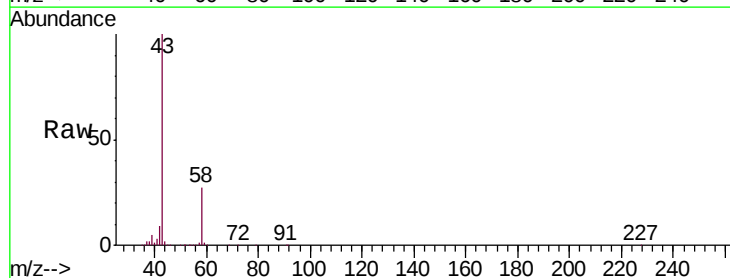
Acq: 5 Dec 2018 1:58

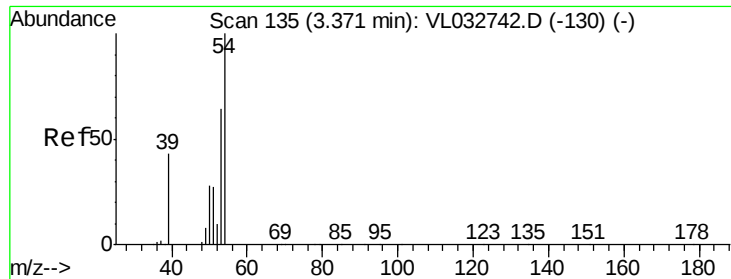
Tgt Ion: 43 Resp: 995934

Ion Ratio Lower Upper

43 100

58 25.6 21.1 31.7

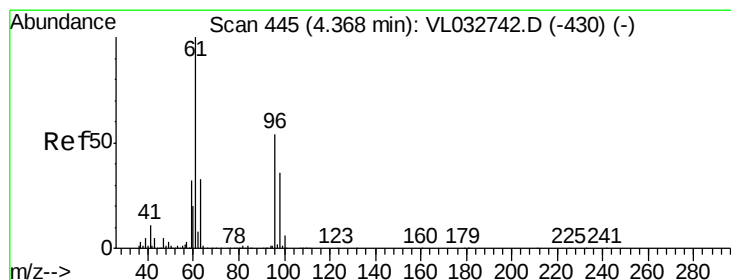
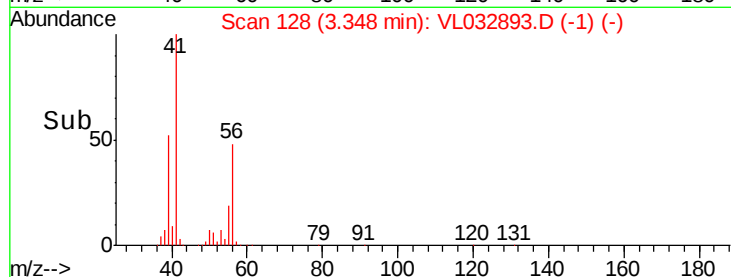
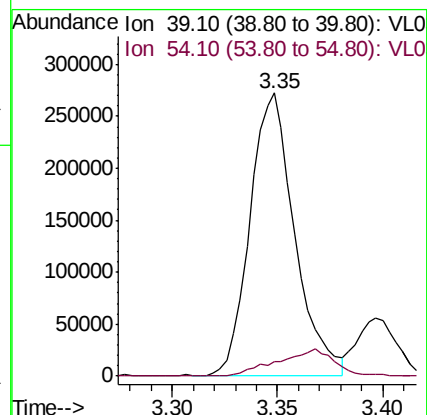
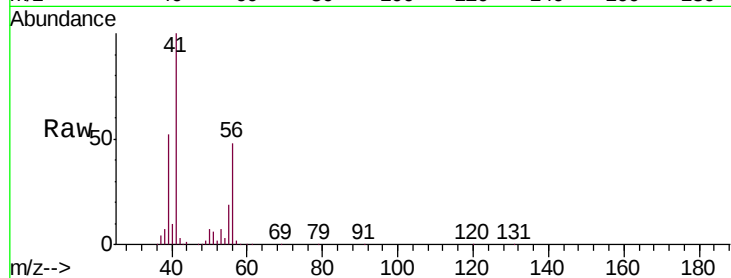




#16
1,3-Butadiene
Concen: 7.533 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032893.D
Acq: 5 Dec 2018 1:58

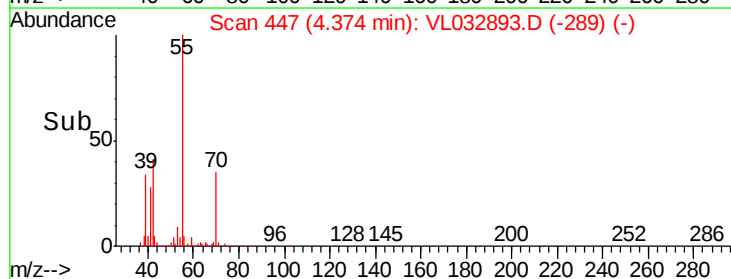
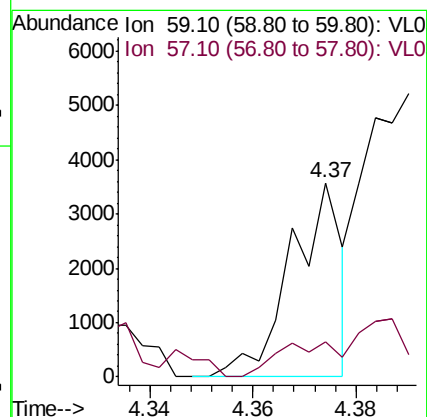
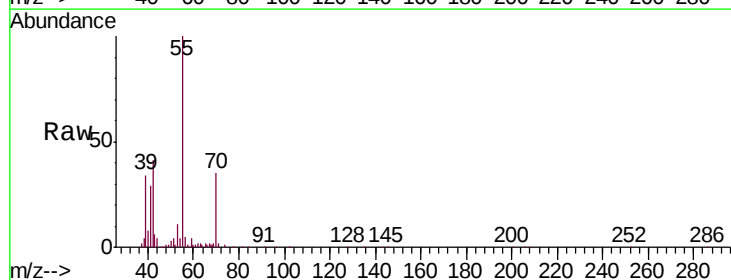
Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL

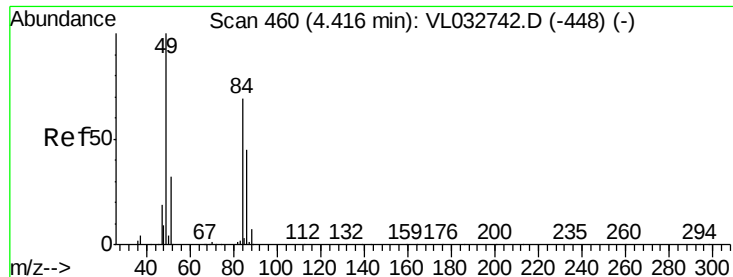
Tgt Ion: 39 Resp: 400912
Ion Ratio Lower Upper
39 100
54 12.2 68.9 103.3#



#17
tert-Butyl alcohol
Concen: 0.057 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.01 min
Lab File: VL032893.D
Acq: 5 Dec 2018 1:58

Tgt Ion: 59 Resp: 2447
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#20

Methylene Chloride

Concen: 0.124 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

MMSV-05DL

Tgt Ion: 84 Resp: 8836

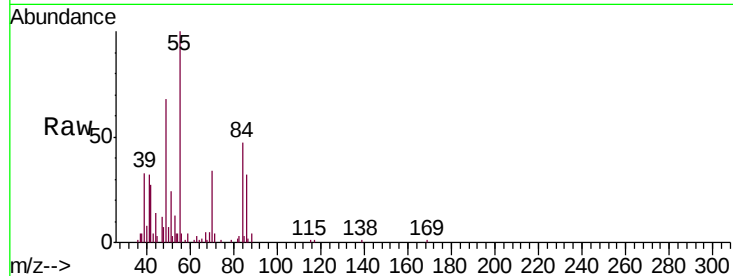
Ion Ratio Lower Upper

84 100

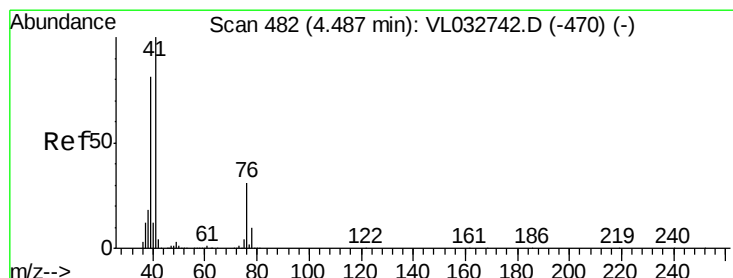
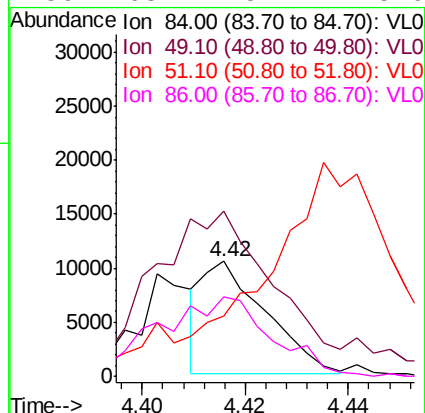
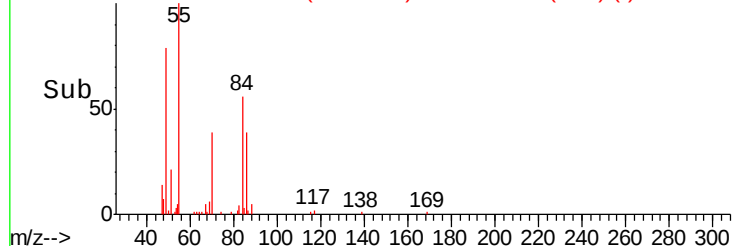
49 126.2 115.8 173.6

51 17.9 36.9 55.3#

86 68.7 52.4 78.6



Scan 460 (4.416 min): VL032893.D (-304) (-)



#21

Allyl Chloride

Concen: 1.171 ppbv

RT: 4.44 min Scan# 467

Delta R.T. -0.05 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

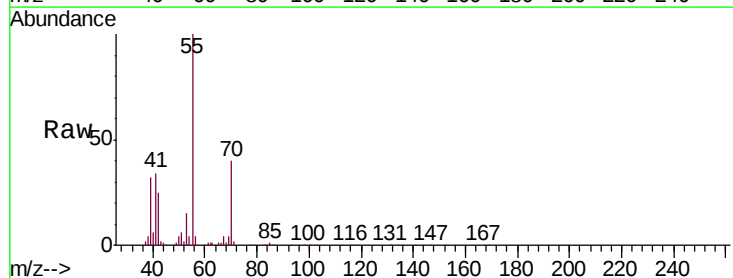
Tgt Ion: 41 Resp: 135186

Ion Ratio Lower Upper

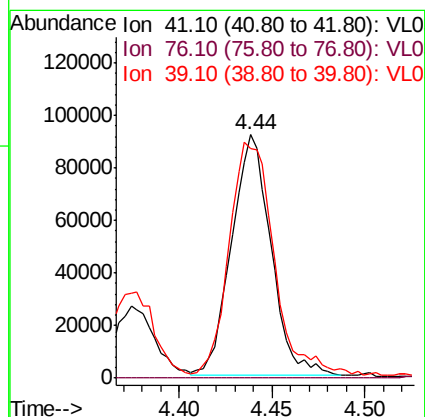
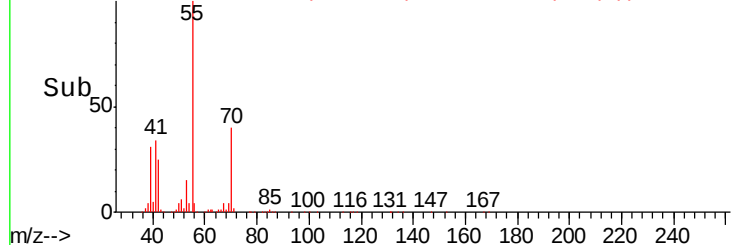
41 100

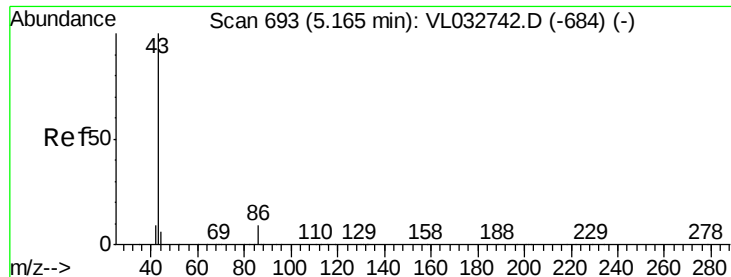
76 0.0 24.4 36.6#

39 114.8 63.5 95.3#



Scan 467 (4.438 min): VL032893.D (-326) (-)

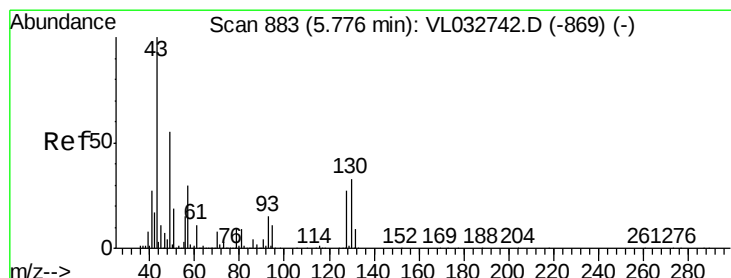
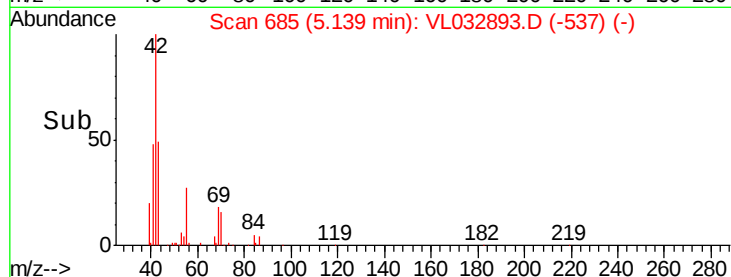
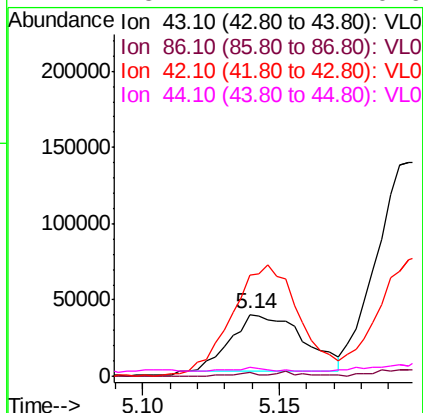
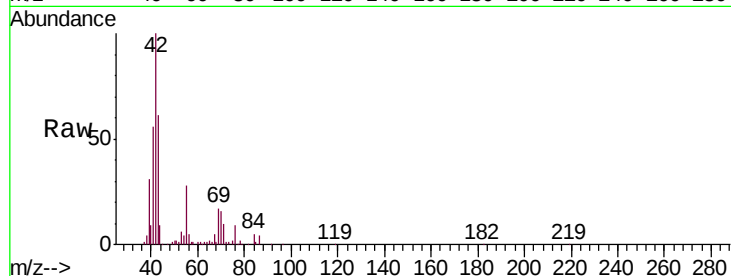




#23
 Vinyl Acetate
 Concen: 0.269 ppbv
 RT: 5.14 min Scan# 685
 Delta R.T. -0.03 min
 Lab File: VL032893.D
 Acq: 5 Dec 2018 1:58

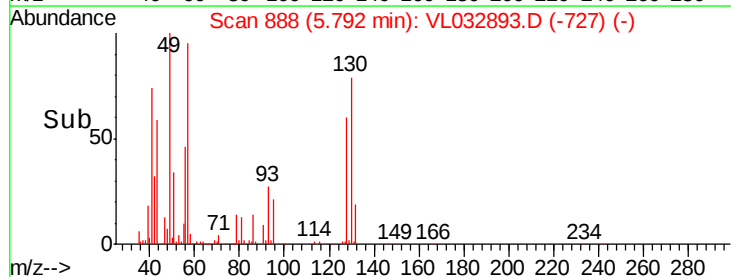
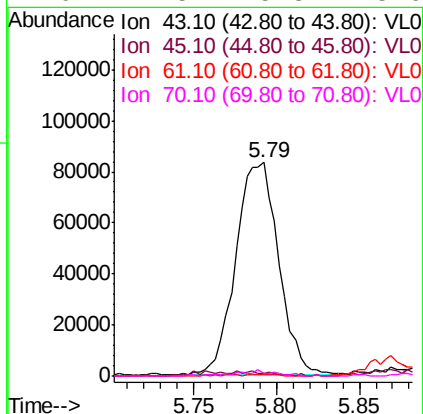
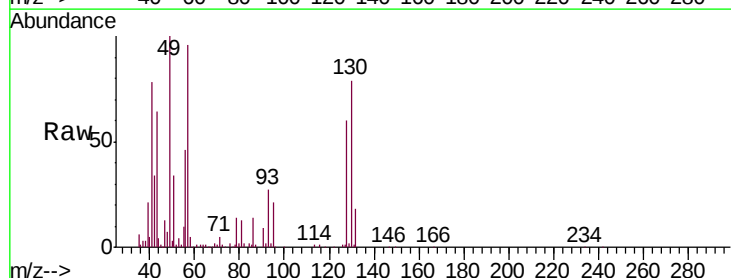
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-05DL

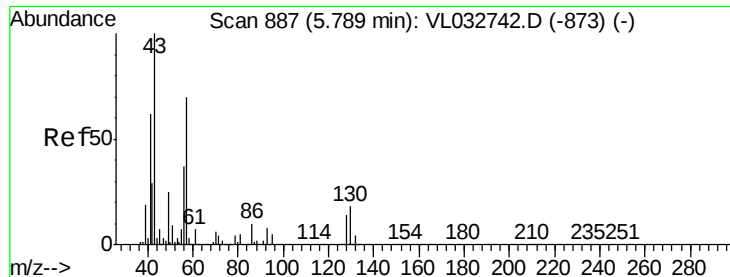
Tgt Ion:	43	Resp:	67466
Ion	Ratio	Lower	Upper
43	100		
86	5.7	6.2	9.4#
42	168.8	7.8	11.6#
44	5.2	4.4	6.6



#25
 Ethyl Acetate
 Concen: 0.464 ppbv
 RT: 5.79 min Scan# 888
 Delta R.T. 0.02 min
 Lab File: VL032893.D
 Acq: 5 Dec 2018 1:58

Tgt Ion:	43	Resp:	148645
Ion	Ratio	Lower	Upper
43	100		
45	3.4	7.9	11.9#
61	0.9	7.8	11.6#
70	2.5	5.8	8.6#





#26

Hexane

Concen: 1.501 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

MMSV-05DL

Tgt Ion: 57 Resp: 213954

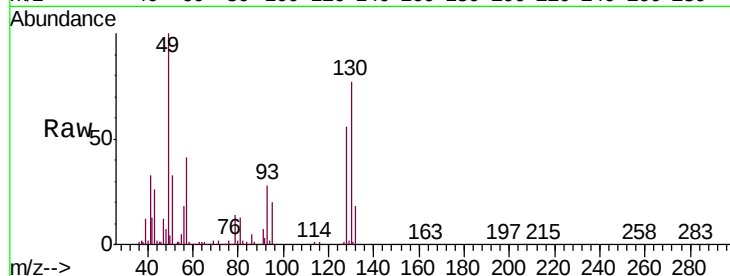
Ion Ratio Lower Upper

57 100

41 98.6 70.3 105.5

43 70.2 174.0 261.0#

56 55.6 42.3 63.5

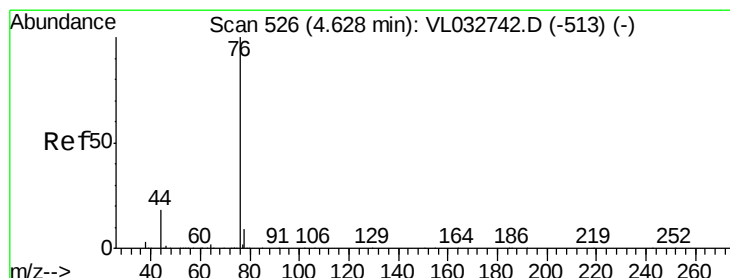
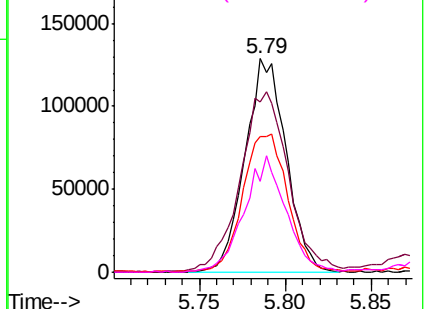
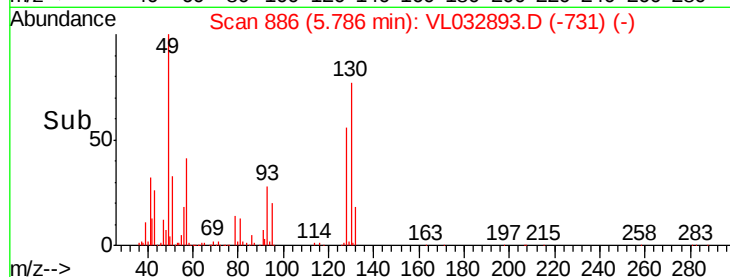


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 105.070 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

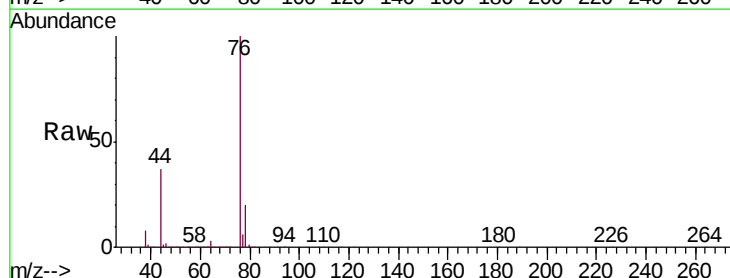
Tgt Ion: 76 Resp: 18995414

Ion Ratio Lower Upper

76 100

44 28.2 14.4 21.6#

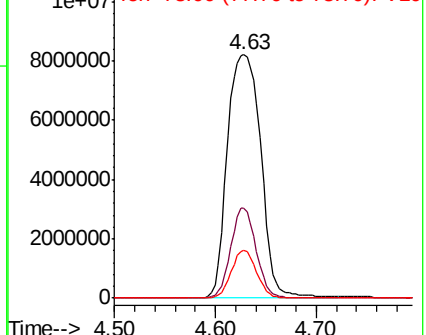
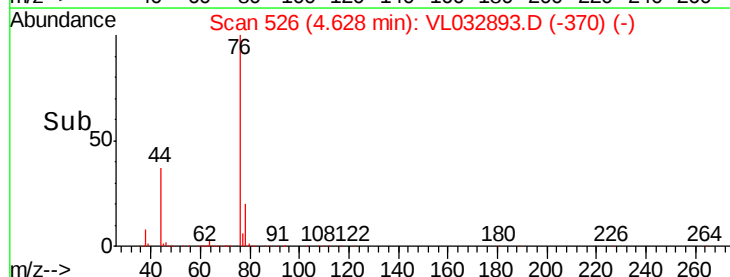
78 14.9 7.7 11.5#

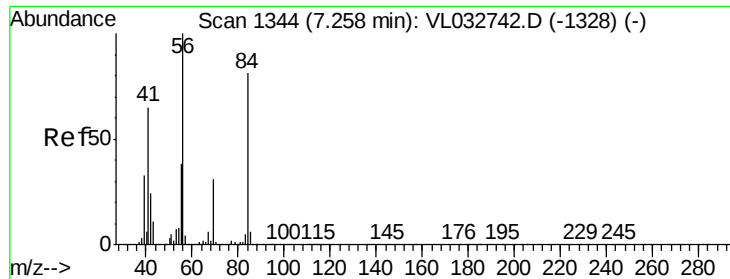


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

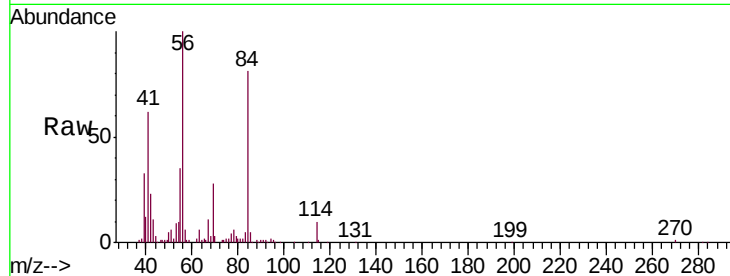




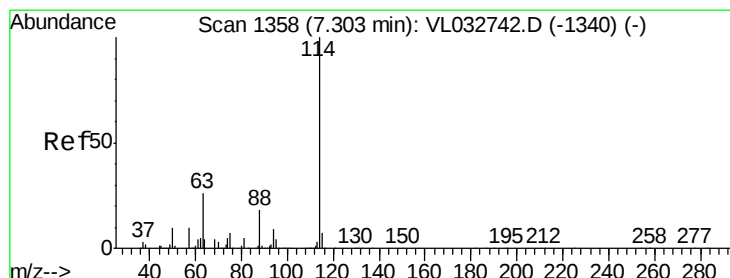
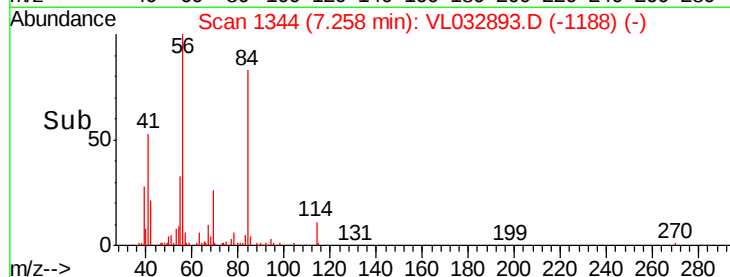
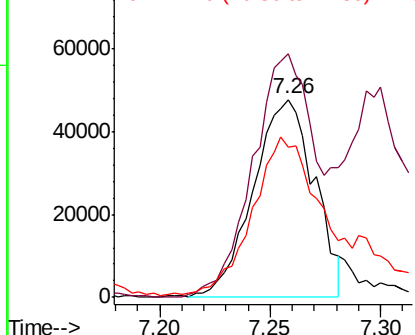
#30
Cyclohexane
Concen: 0.726 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032893.D
Acq: 5 Dec 2018 1:58

Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL

Tgt Ion: 84 Resp: 90579
Ion Ratio Lower Upper
84 100
56 134.5 105.0 157.4
41 105.3 65.3 97.9#

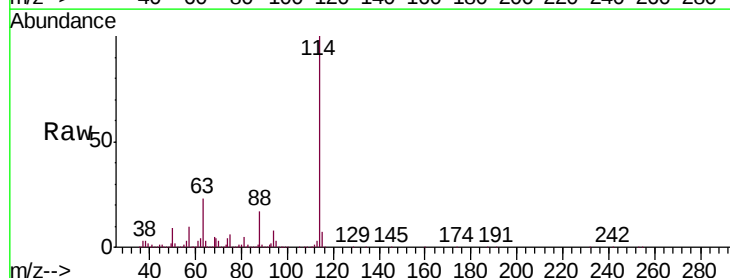


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

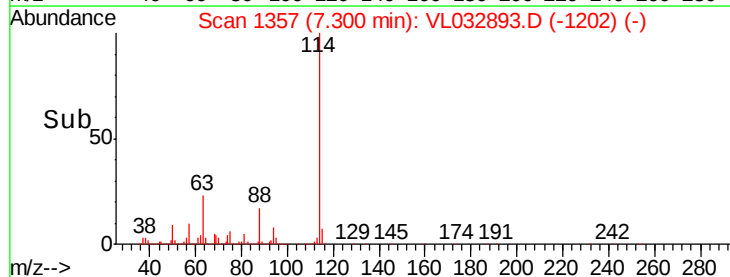
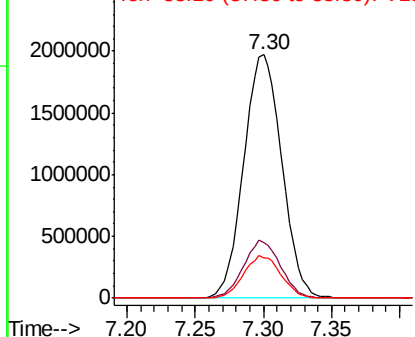


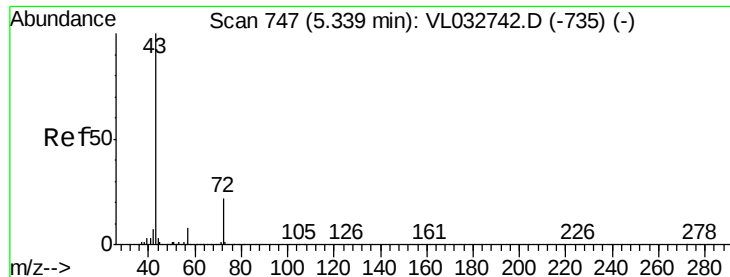
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032893.D
Acq: 5 Dec 2018 1:58

Tgt Ion: 114 Resp: 3820360
Ion Ratio Lower Upper
114 100
63 23.1 20.9 31.3
88 17.2 14.4 21.6



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





#34

2-Butanone

Concen: 2.799 ppbv

RT: 5.34 min Scan# 747

Delta R.T. 0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

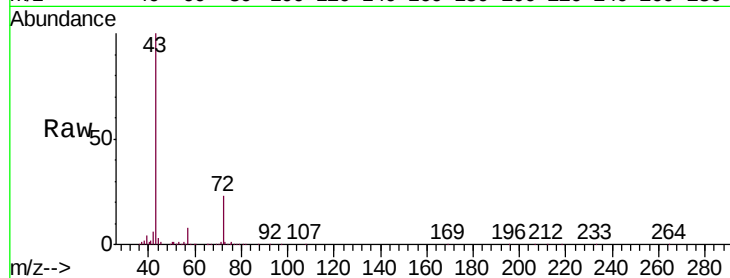
MMSV-05DL

Tgt Ion: 43 Resp: 554608

Ion Ratio Lower Upper

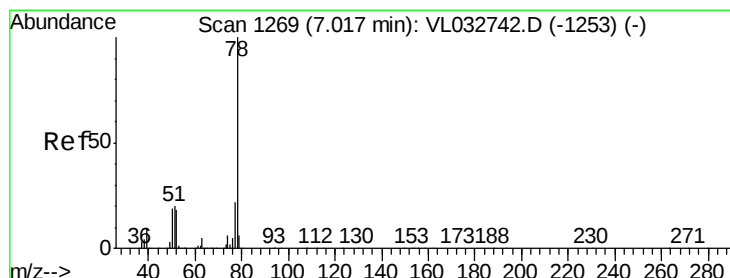
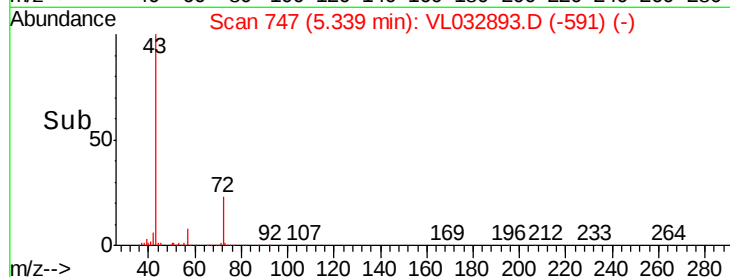
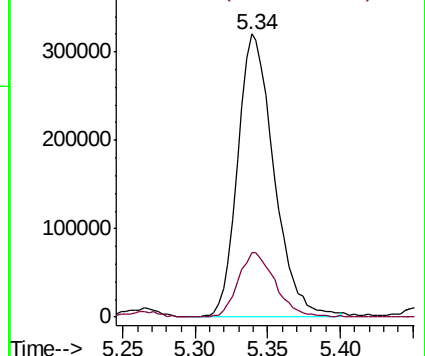
43 100

72 23.7 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: 44.076 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

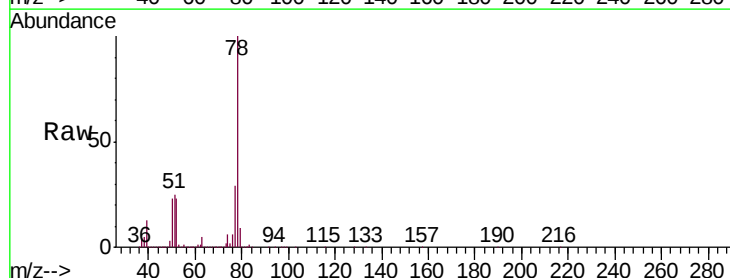
Tgt Ion: 78 Resp: 13408893

Ion Ratio Lower Upper

78 100

77 28.6 17.8 26.8#

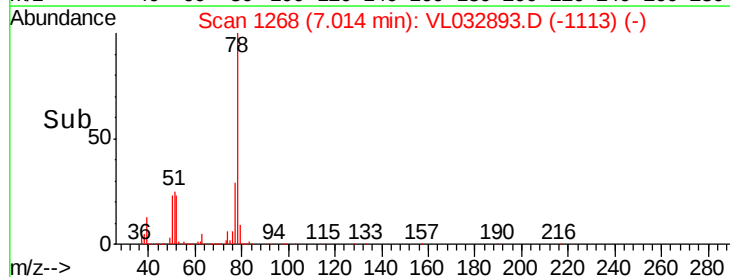
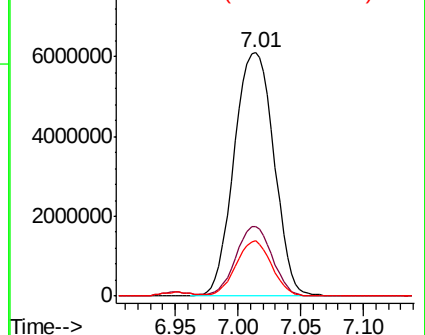
50 22.8 15.4 23.0

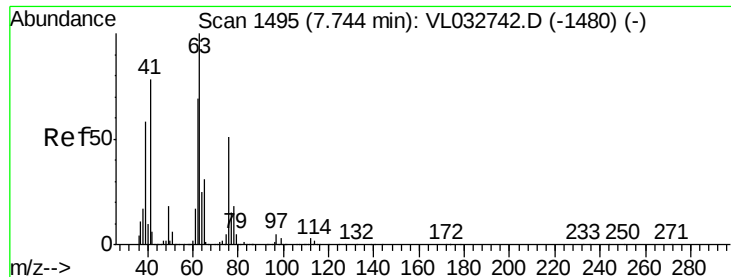


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 7.546 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

MMSV-05DL

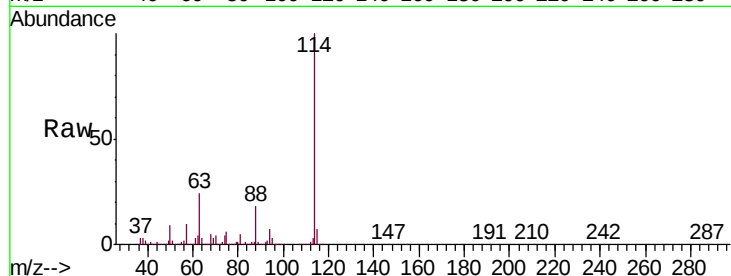
Tgt Ion: 63 Resp: 874645

Ion Ratio Lower Upper

63 100

41 0.3 62.0 93.0#

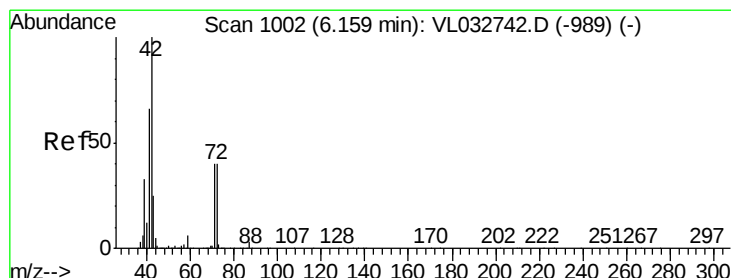
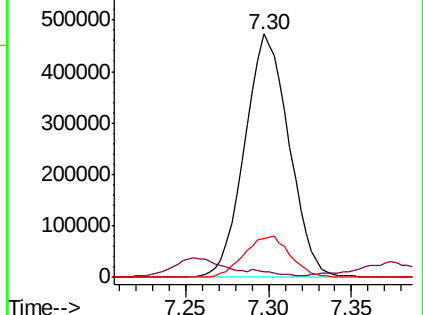
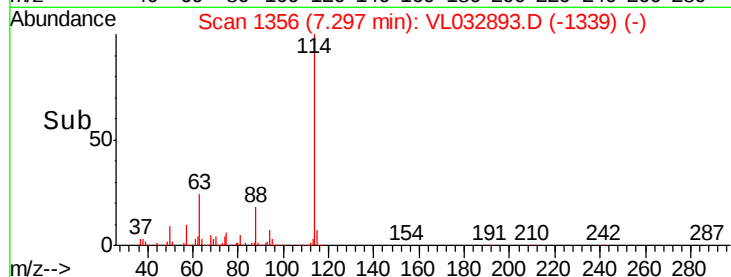
62 15.8 55.4 83.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 1.231 ppbv

RT: 6.17 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

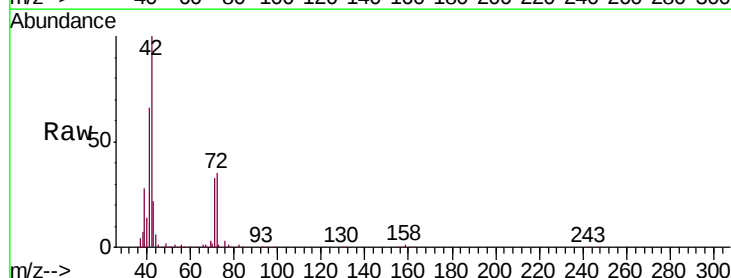
Tgt Ion: 42 Resp: 139949

Ion Ratio Lower Upper

42 100

72 40.4 32.4 48.6

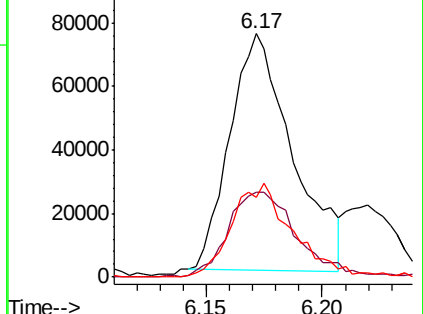
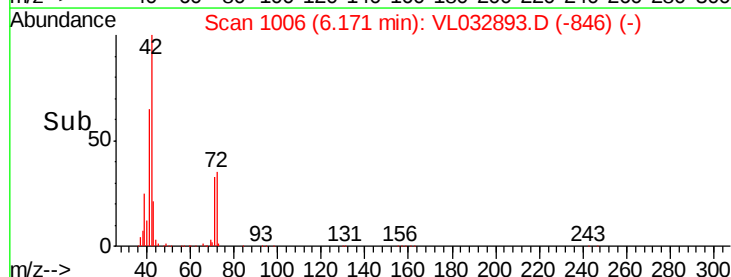
71 39.3 31.6 47.4

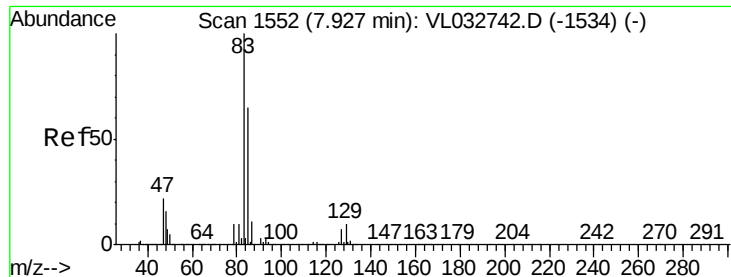


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.114 ppbv

RT: 7.93 min Scan# 1552

Delta R.T. 0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

MMSV-05DL

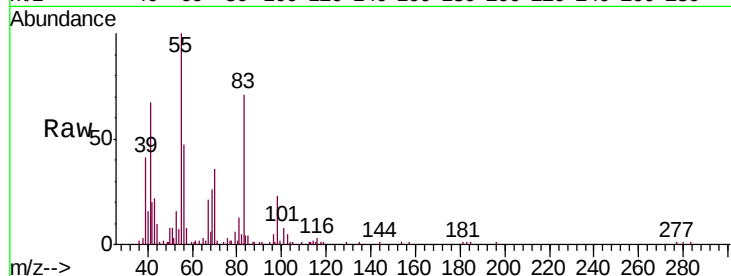
Tgt Ion: 83 Resp: 31769

Ion Ratio Lower Upper

83 100

85 5.4 51.8 77.8#

127 0.0 5.9 8.9#

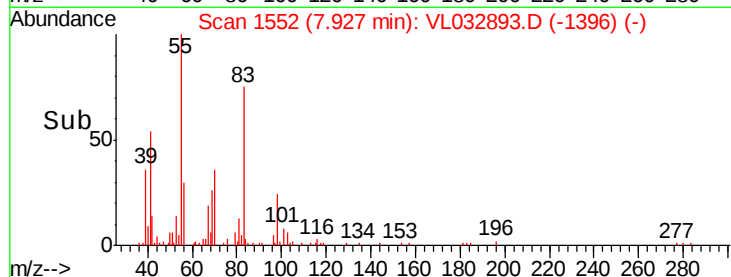


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0

Time-->

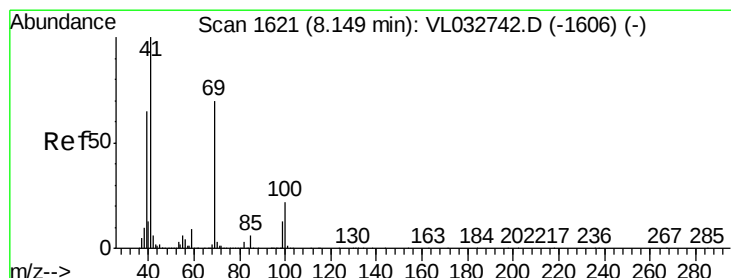


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0

Time-->



#43

Methyl Methacrylate

Concen: 0.087 ppbv

RT: 8.11 min Scan# 1610

Delta R.T. -0.04 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

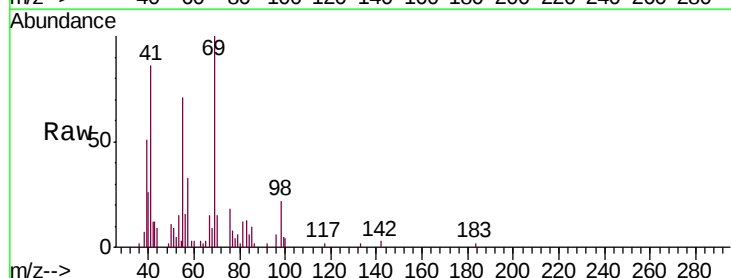
Tgt Ion: 69 Resp: 9874

Ion Ratio Lower Upper

69 100

41 0.0 115.0 172.4#

100 0.0 25.4 38.0#

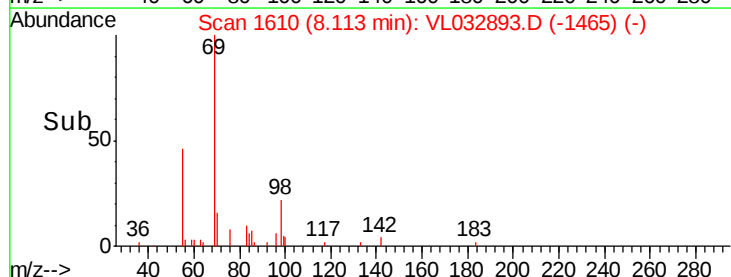


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

Time-->

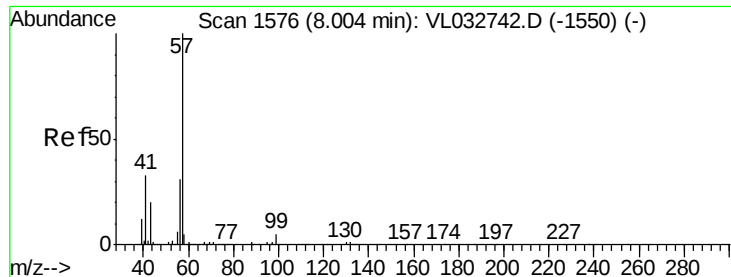


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

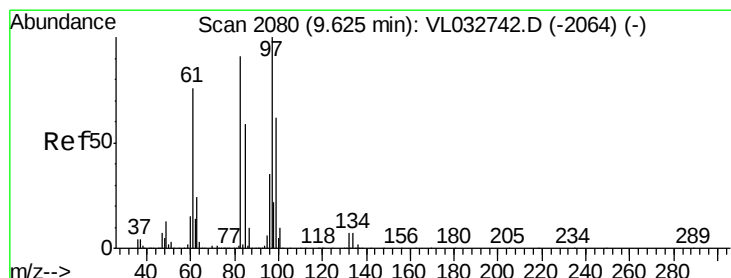
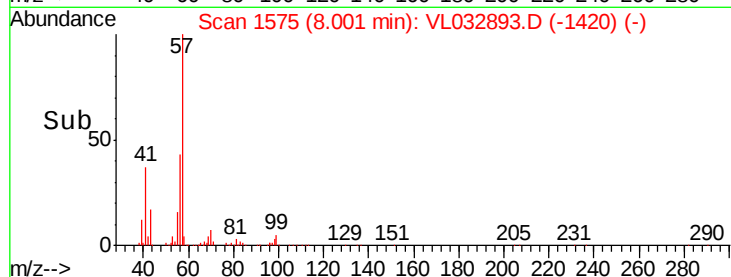
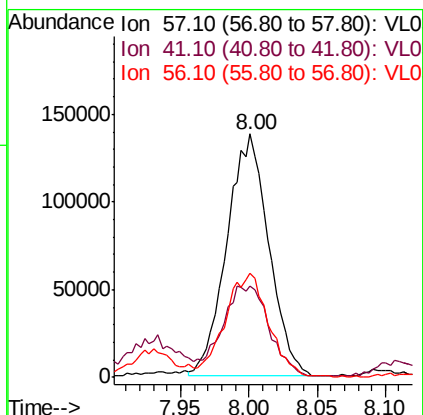
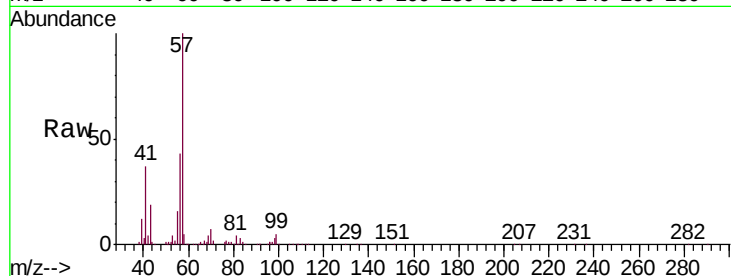
Time-->



#44
 2,2,4-Trimethylpentane
 Concen: 0.581 ppbv
 RT: 8.00 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL032893.D
 Acq: 5 Dec 2018 1:58

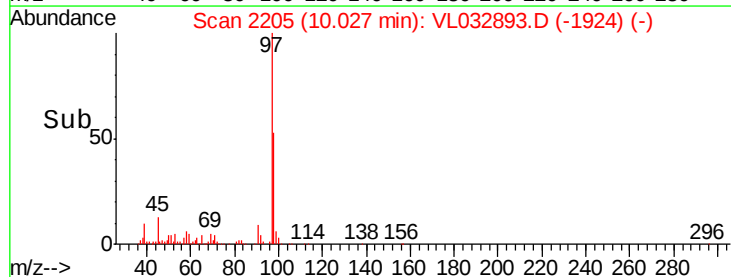
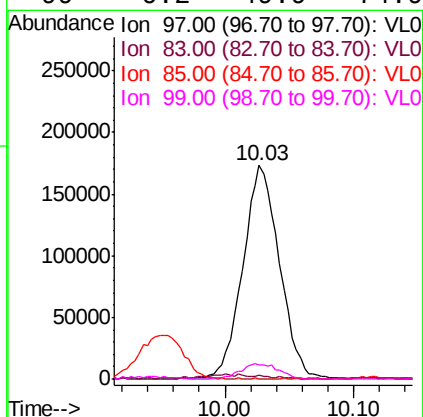
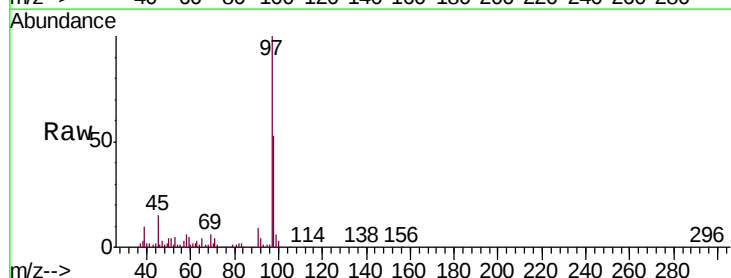
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-05DL

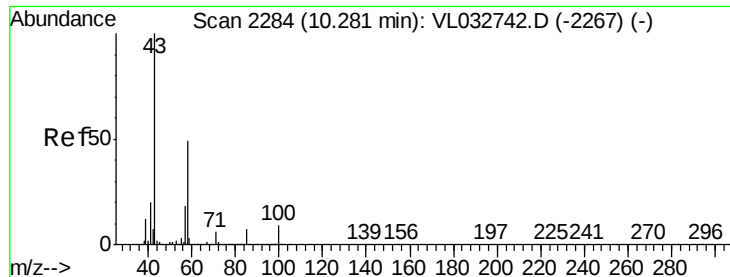
Tgt Ion: 57 Resp: 295338
 Ion Ratio Lower Upper
 57 100
 41 42.1 26.6 39.8#
 56 43.5 24.8 37.2#



#47
 1,1,2-Trichloroethane
 Concen: 2.482 ppbv
 RT: 10.03 min Scan# 2205
 Delta R.T. 0.40 min
 Lab File: VL032893.D
 Acq: 5 Dec 2018 1:58

Tgt Ion: 97 Resp: 340114
 Ion Ratio Lower Upper
 97 100
 83 1.4 73.0 109.4#
 85 0.0 47.0 70.4#
 99 6.2 49.9 74.9#

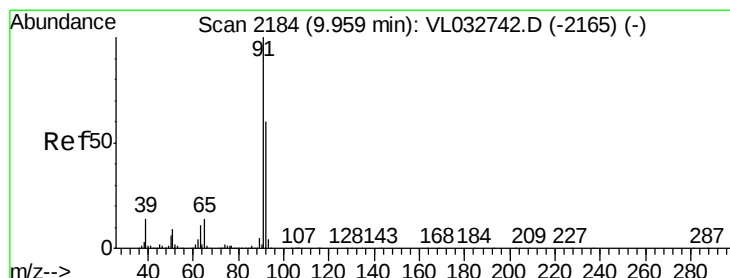
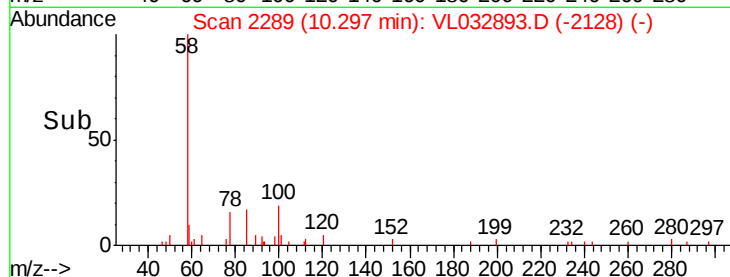
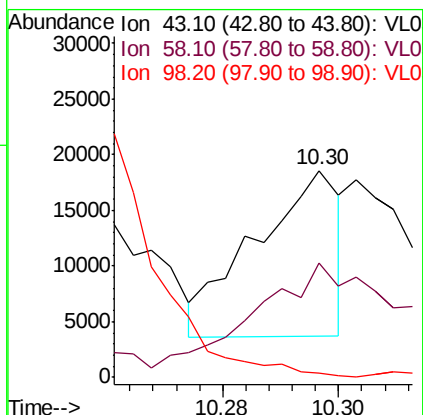
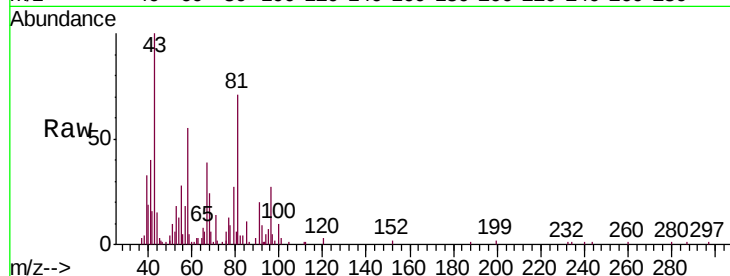




#51
2-Hexanone
Concen: 0.075 ppbv
RT: 10.30 min Scan# 2289
Delta R.T. 0.02 min
Lab File: VL032893.D
Acq: 5 Dec 2018 1:58

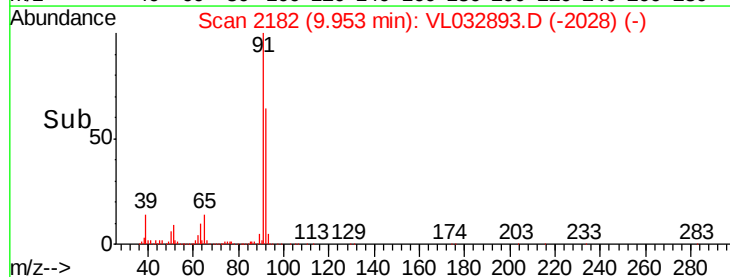
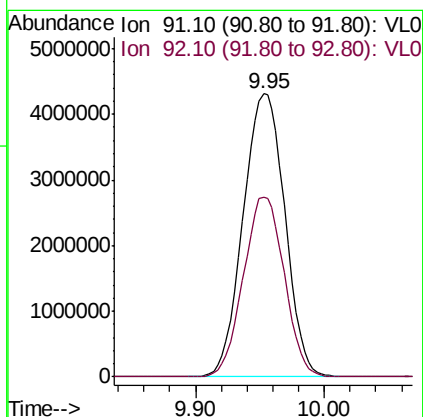
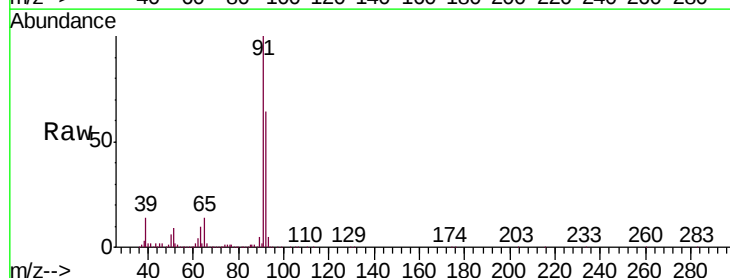
Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL

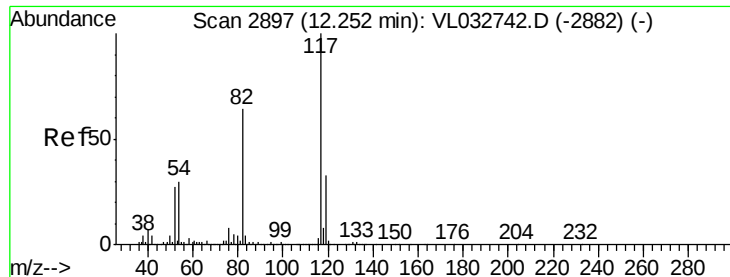
Tgt Ion: 43 Resp: 15045
Ion Ratio Lower Upper
43 100
58 143.3 38.9 58.3#
98 0.0 0.2 0.4#



#53
Toluene
Concen: 30.641 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032893.D
Acq: 5 Dec 2018 1:58

Tgt Ion: 91 Resp: 9724688
Ion Ratio Lower Upper
91 100
92 62.6 47.9 71.9

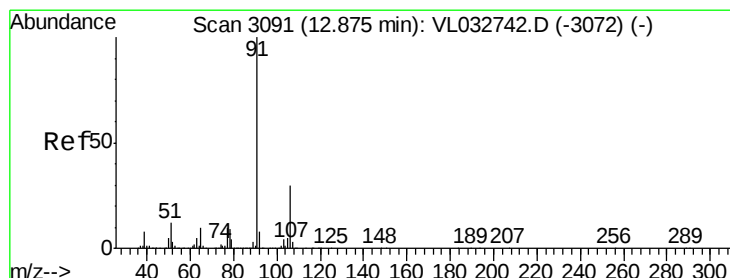
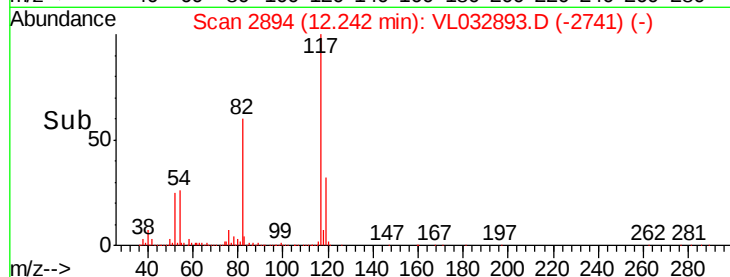
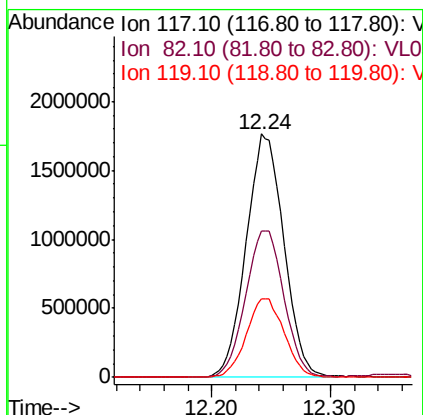
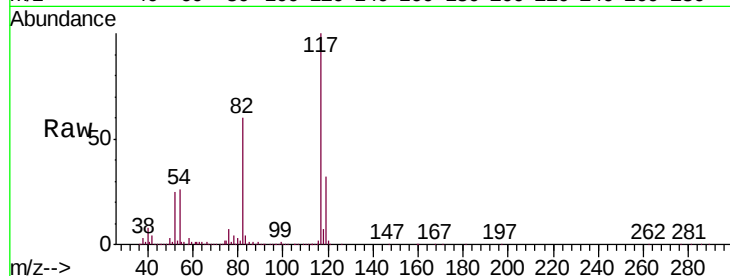




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032893.D
Acq: 5 Dec 2018 1:58

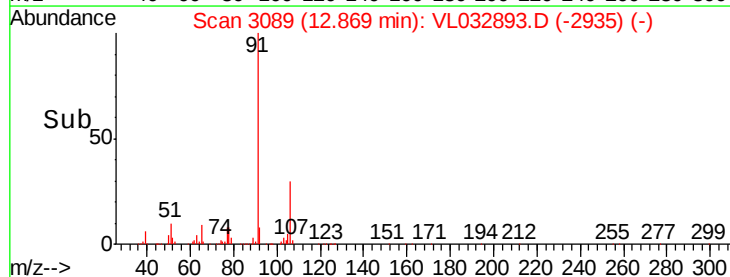
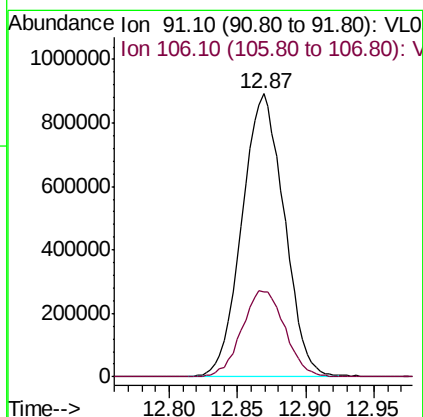
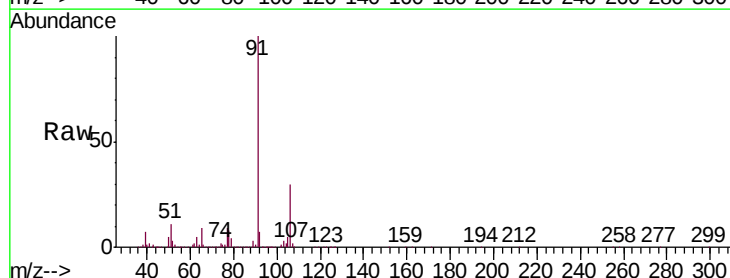
Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL

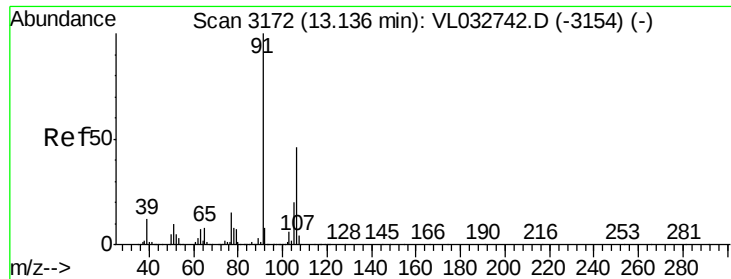
Tgt Ion: 117 Resp: 3871956
Ion Ratio Lower Upper
117 100
82 61.4 51.0 76.6
119 32.8 28.0 42.0



#58
Ethyl Benzene
Concen: 4.102 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032893.D
Acq: 5 Dec 2018 1:58

Tgt Ion: 91 Resp: 1911506
Ion Ratio Lower Upper
91 100
106 30.0 23.6 35.4





#59

m/p-Xylene

Concen: 9.573 ppbv

RT: 13.12 min Scan# 3168

Delta R.T. -0.01 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

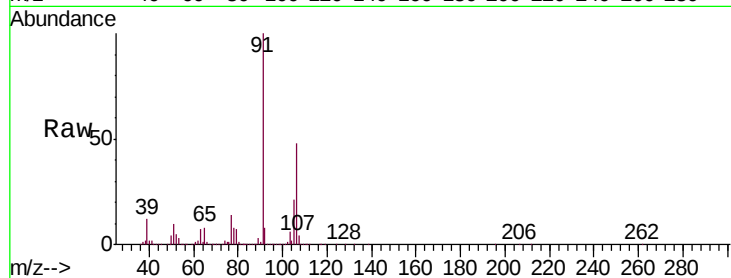
MMSV-05DL

Tgt Ion: 91 Resp: 3971002

Ion Ratio Lower Upper

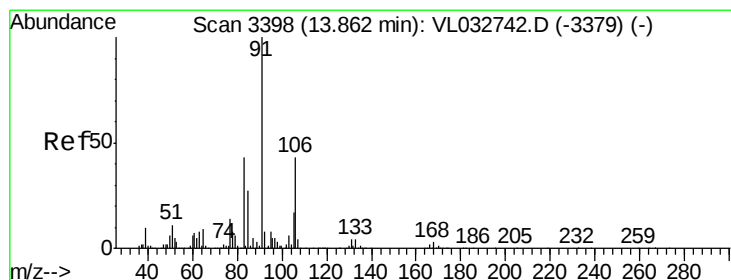
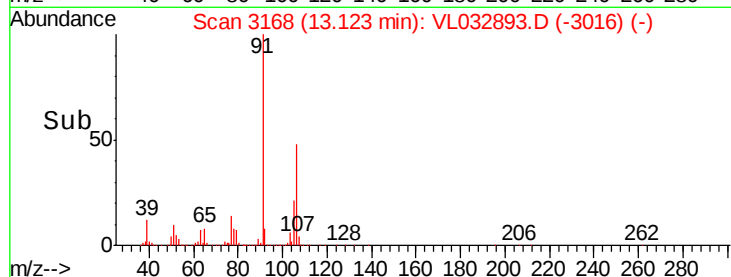
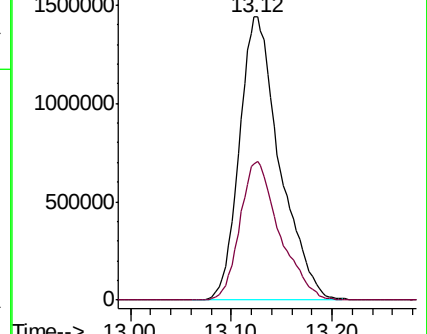
91 100

106 48.5 36.1 54.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 4.680 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL032893.D

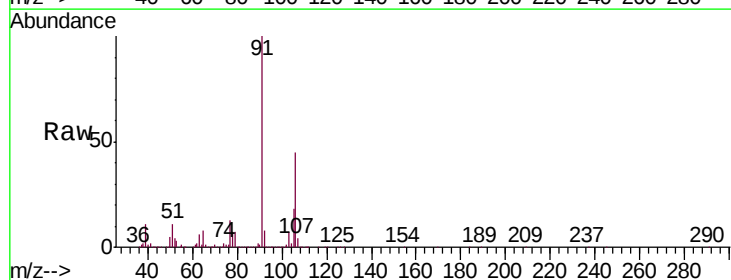
Acq: 5 Dec 2018 1:58

Tgt Ion: 91 Resp: 1952217

Ion Ratio Lower Upper

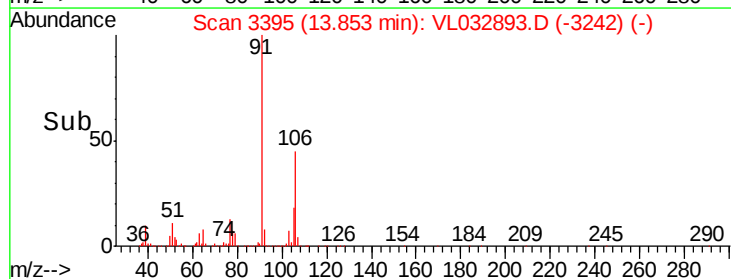
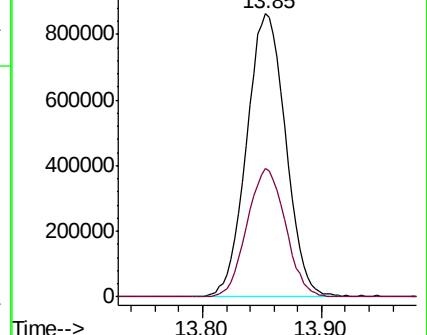
91 100

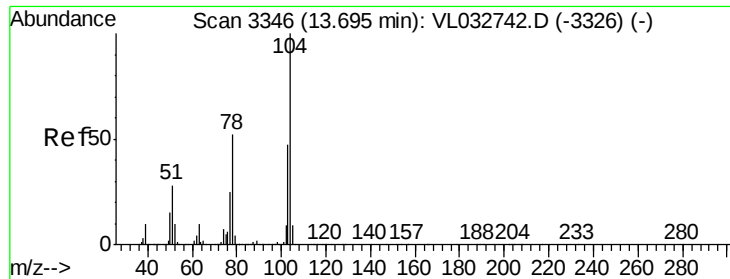
106 45.0 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.125 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

MMSV-05DL

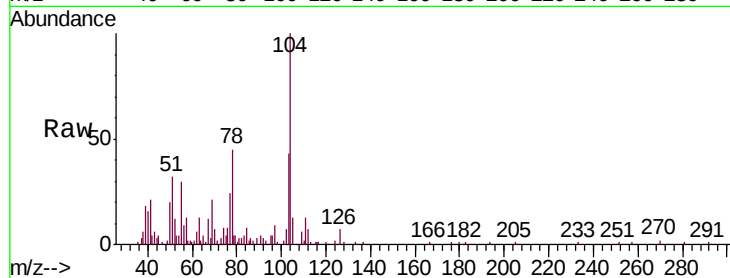
Tgt Ion:104 Resp: 33985

Ion Ratio Lower Upper

104 100

78 111.2 42.2 63.4#

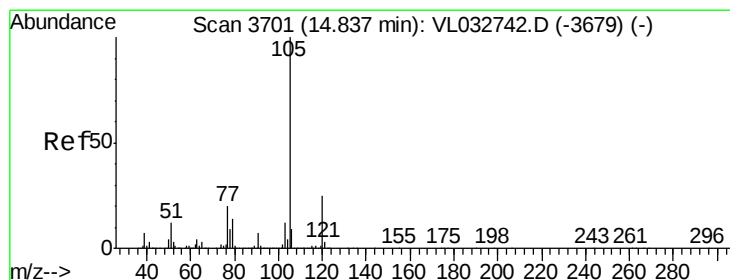
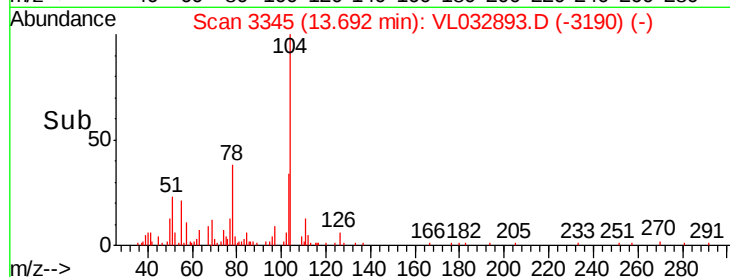
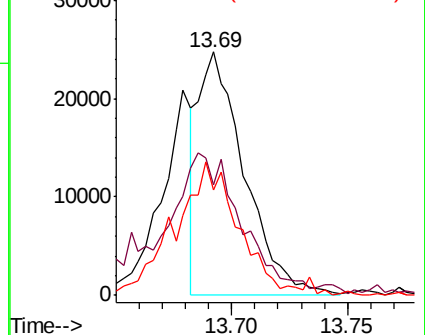
103 78.4 38.2 57.2#



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



#62

Isopropylbenzene

Concen: 0.331 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. -0.00 min

Lab File: VL032893.D

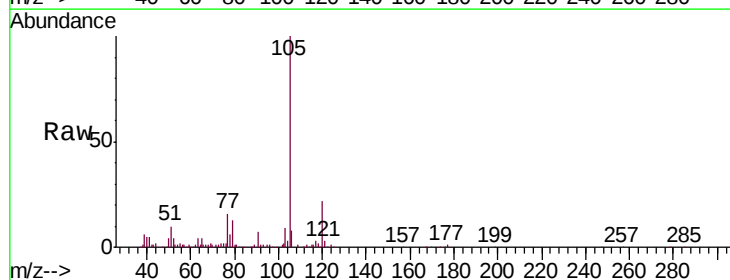
Acq: 5 Dec 2018 1:58

Tgt Ion:105 Resp: 186570

Ion Ratio Lower Upper

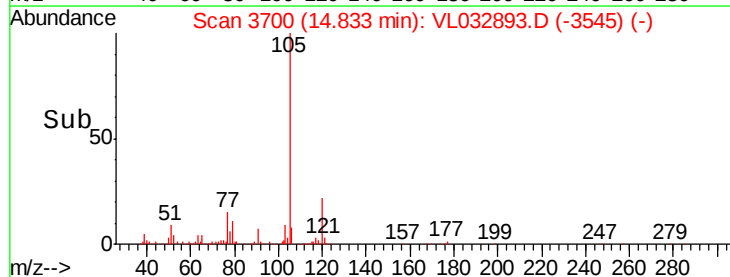
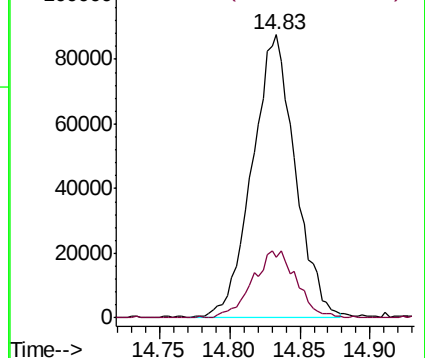
105 100

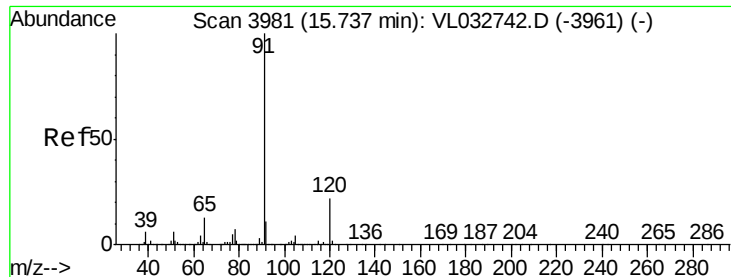
120 24.6 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.070 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. -0.01 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

Instrument :

MSVOA_L

ClientSampleId :

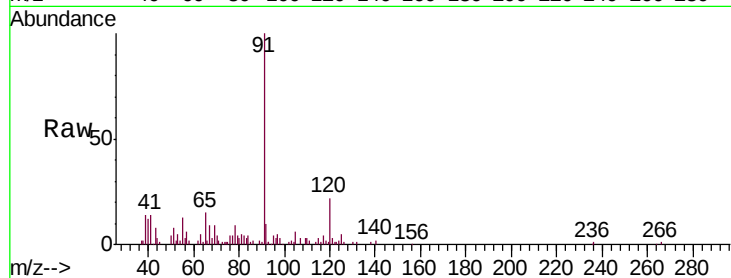
MMSV-05DL

Tgt Ion:120 Resp: 10405

Ion Ratio Lower Upper

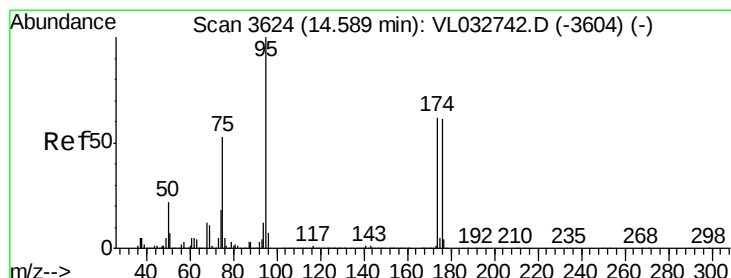
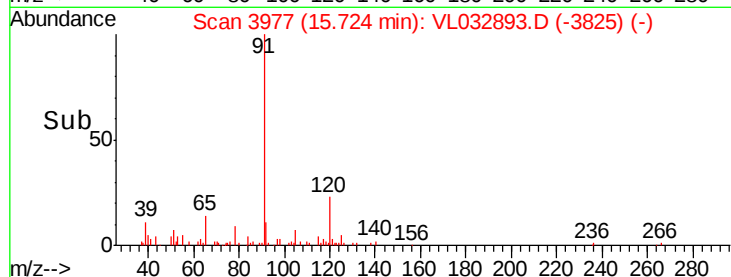
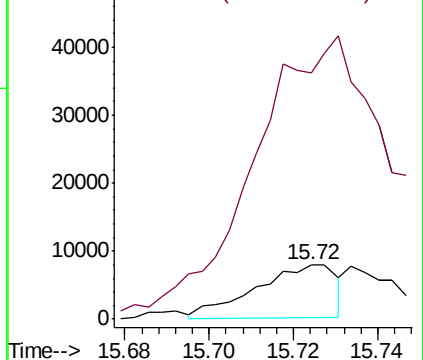
120 100

91 0.0 381.7 572.5#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.645 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

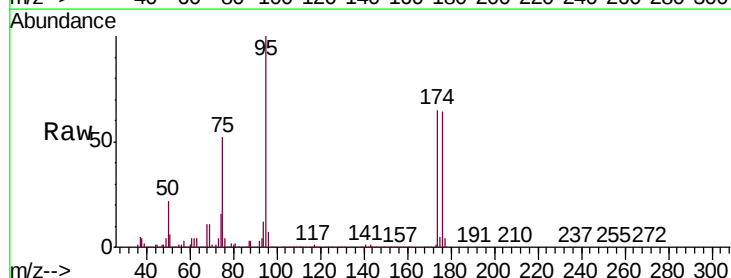
Tgt Ion: 95 Resp: 2793215

Ion Ratio Lower Upper

95 100

174 66.2 50.7 76.1

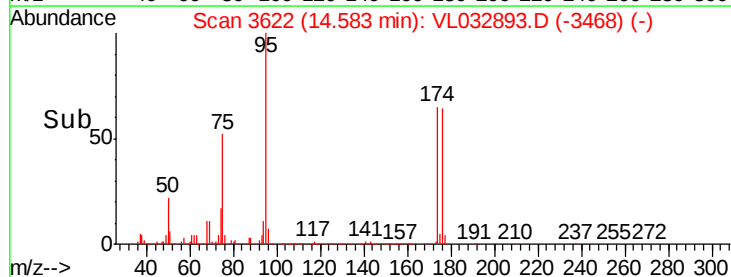
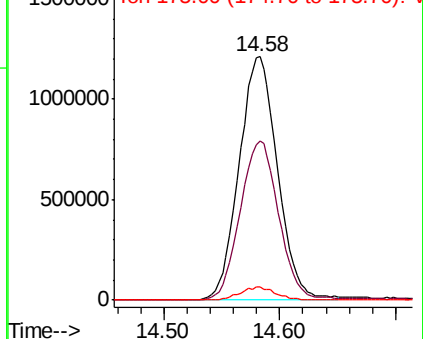
175 5.1 3.8 5.6

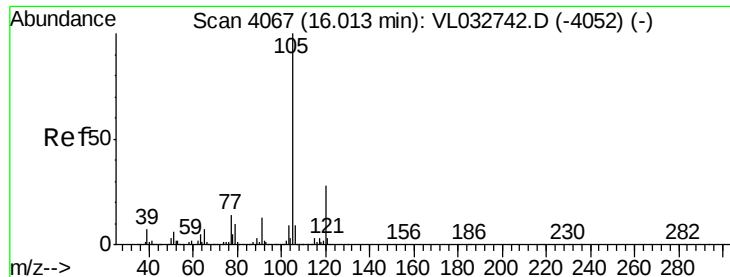


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.194 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.01 min

Lab File: VL032893.D

Acq: 5 Dec 2018 1:58

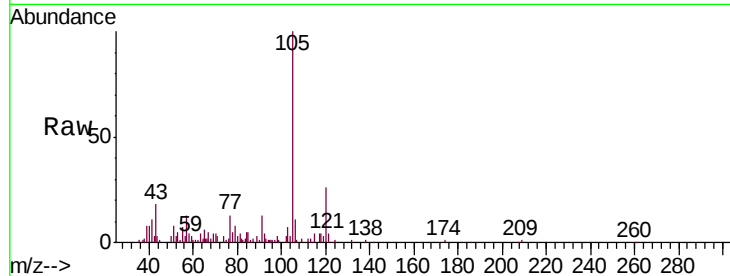
Instrument :

MSVOA_L

ClientSampleId :

MMSV-05DL

Tgt Ion:	105	Resp:	88781
Ion Ratio	Lower	Upper	
105	100		
120	32.5	22.9	34.3
91	18.7	10.6	15.8
77	14.1	11.4	17.2

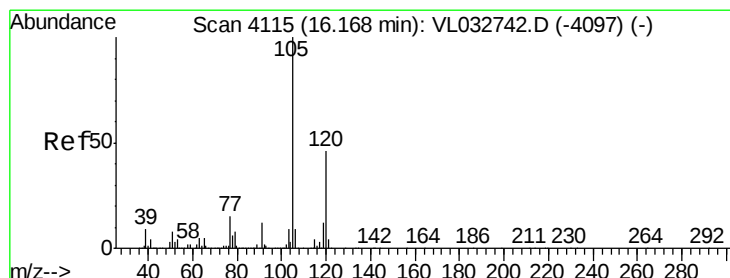
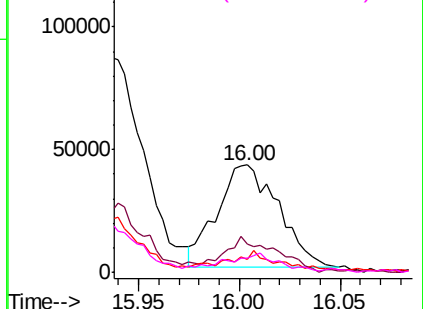
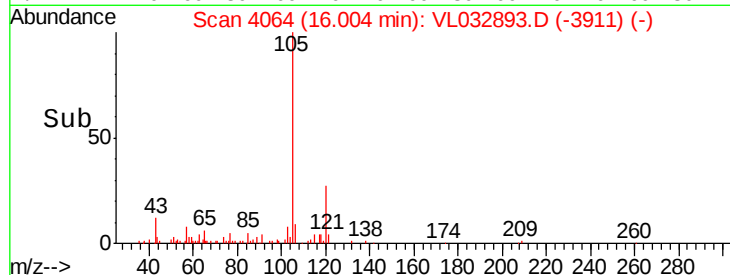


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.505 ppbv

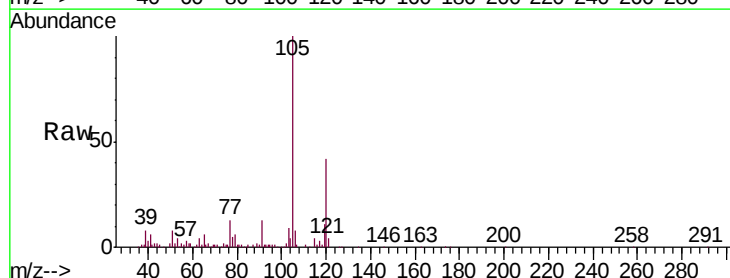
RT: 16.16 min Scan# 4113

Delta R.T. -0.01 min

Lab File: VL032893.D

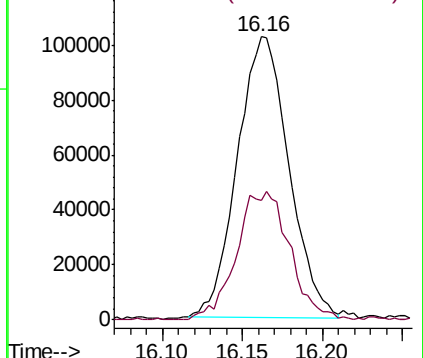
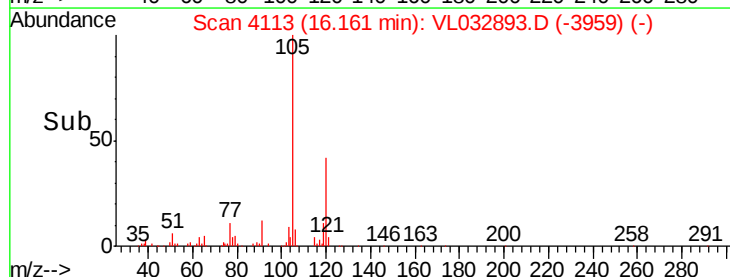
Acq: 5 Dec 2018 1:58

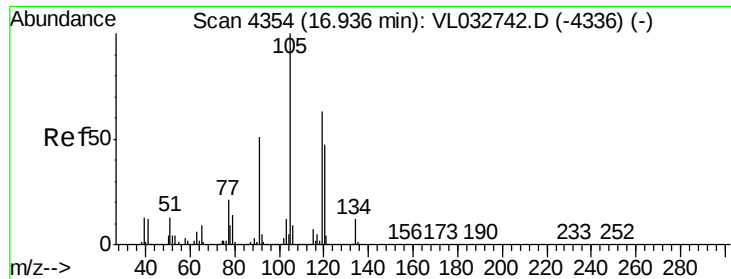
Tgt Ion:	105	Resp:	225729
Ion Ratio	Lower	Upper	
105	100		
120	42.1	36.6	55.0



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: 0.323 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL032893.D
 Acq: 5 Dec 2018 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-05DL

Tgt Ion:	105	Resp:	154375
Ion Ratio	Lower	Upper	
105	100		
120	44.9	37.6	56.4
91	9.5	42.5	63.7#
77	12.7	17.4	26.2#

