

Data File : VL032933.D
Acq On : 7 Dec 2018 13:51
Operator : SY/AP
Sample : J6176-02DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL2

Quant Time: Dec 08 01:59:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1122440	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3053120	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2902783	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2196303	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.17	50	3492	0.071	ppbv #	85
5) Vinyl Chloride	3.05	62	25166	0.500	ppbv #	47
9) Propene	3.04	41	39273	1.168	ppbv	93
15) Acetone	3.93	43	46122	0.479	ppbv	92
16) 1,3-Butadiene	3.35	39	17111	0.448	ppbv #	18
20) Methylene Chloride	4.42	84	32775	0.696	ppbv	90
25) Ethyl Acetate	5.79	43	13944	0.061	ppbv #	86
26) Hexane	5.79	57	20090	0.191	ppbv #	41
27) Carbon Disulfide	4.62	76	1635764	12.451	ppbv	99
34) 2-Butanone	5.36	43	16797	0.126	ppbv	97
36) Benzene	7.01	78	633828	2.822	ppbv	98
39) 1,2-Dichloropropane	7.30	63	751266	8.821	ppbv #	21
53) Toluene	9.95	91	296467	1.245	ppbv	98
58) Ethyl Benzene	12.87	91	14482	0.047	ppbv	97
59) m/p-Xylene	13.13	91	78214	0.279	ppbv #	100
60) o-Xylene	13.86	91	12580	0.044	ppbv #	1

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

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Sample : J6176-02DL2 200X

Misc : 400ml/MSVOA_L

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Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL2

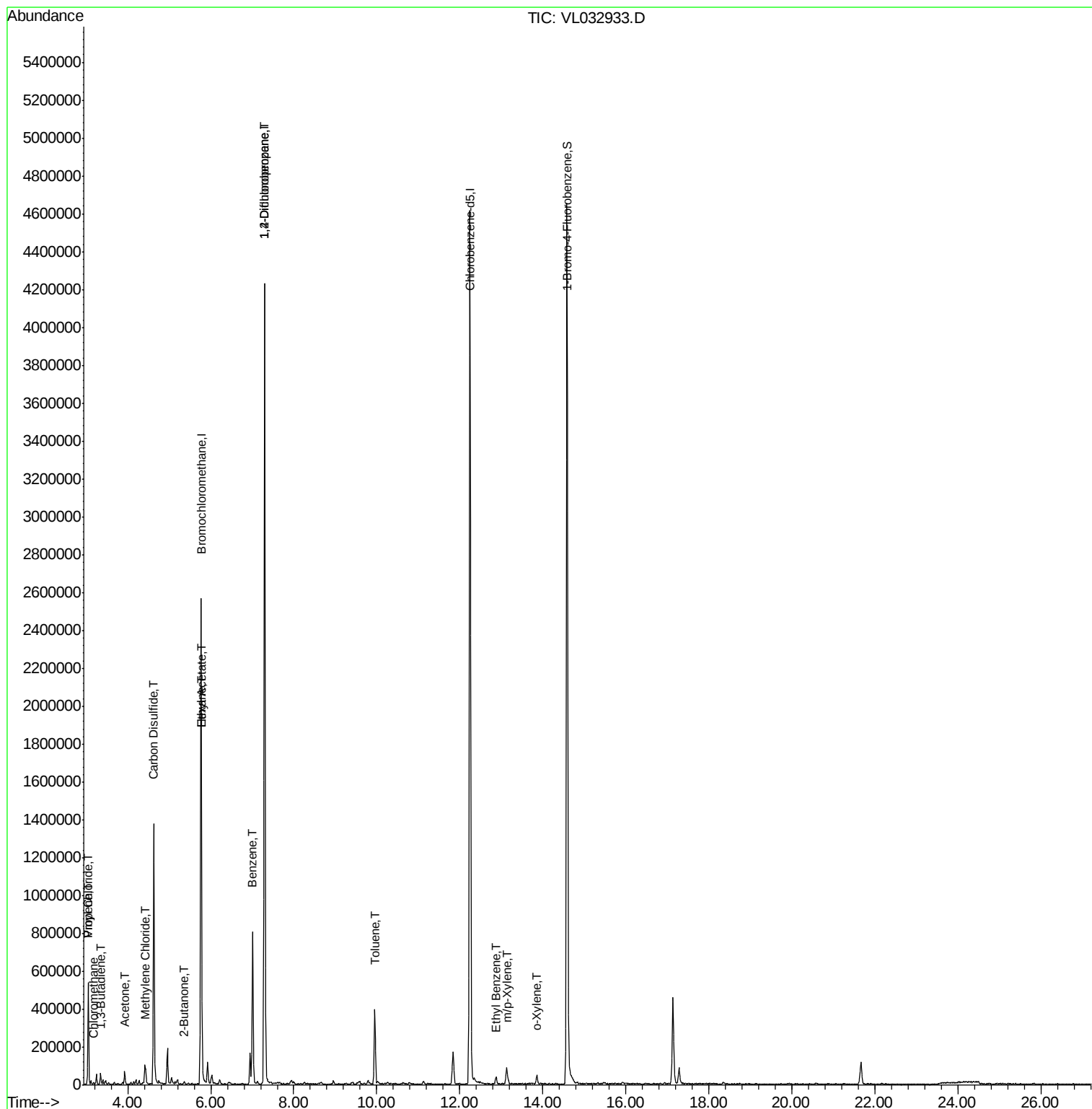
Quant Time: Dec 08 01:59:12 2018

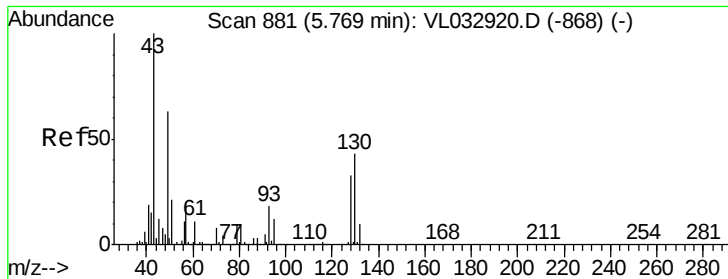
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018

QLast Update : Fri Dec 07 09:35:17 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032933.D

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Instrument :

MSVOA_L

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MMSV-05DL2

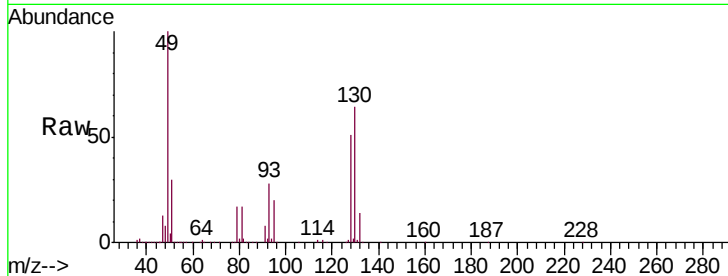
Tgt Ion: 49 Resp: 1122440

Ion Ratio Lower Upper

49 100

128 52.5 26.3 78.8

130 67.0 33.9 101.7



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

5.76

800000

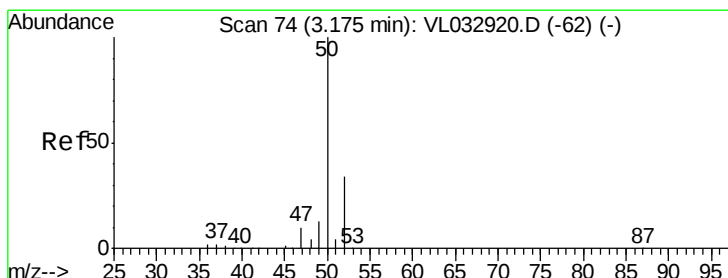
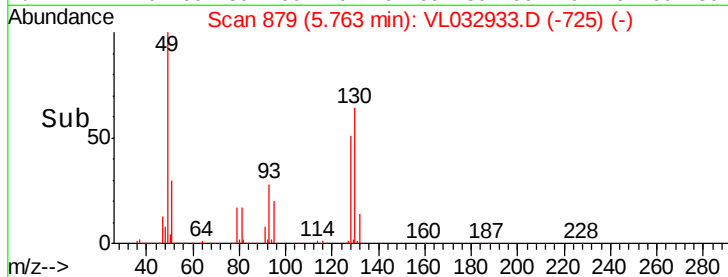
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 0.071 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL032933.D

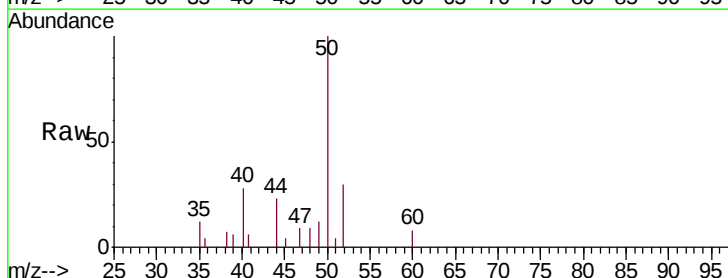
Acq: 7 Dec 2018 13:51

Tgt Ion: 50 Resp: 3492

Ion Ratio Lower Upper

50 100

52 25.7 27.3 40.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.17

5000

4000

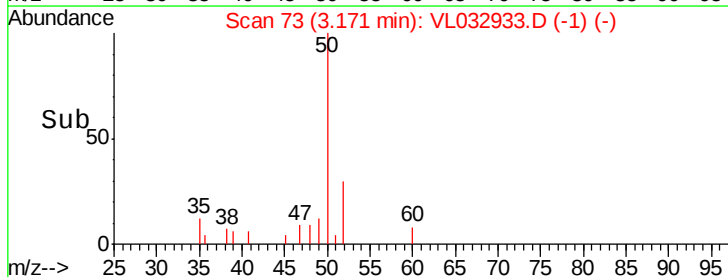
3000

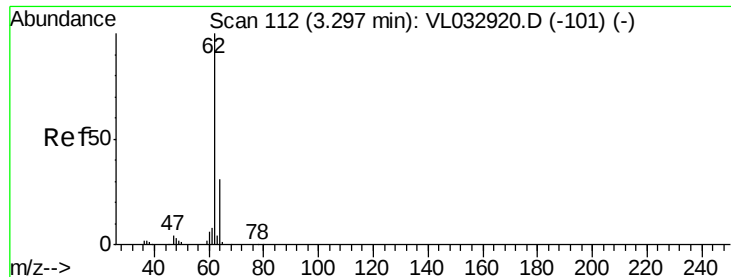
2000

1000

0

Time-->





#5

Vinyl Chloride

Concen: 0.500 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.25 min

Lab File: VL032933.D

Acq: 7 Dec 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

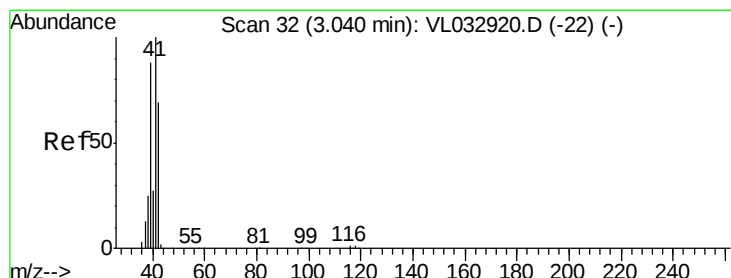
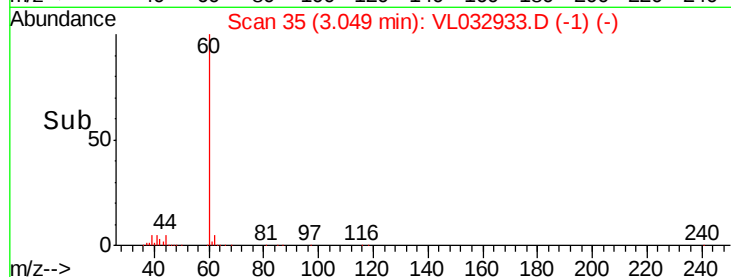
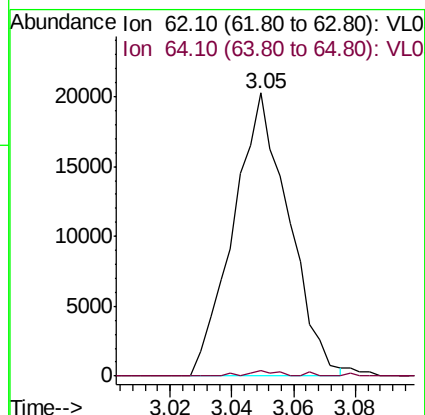
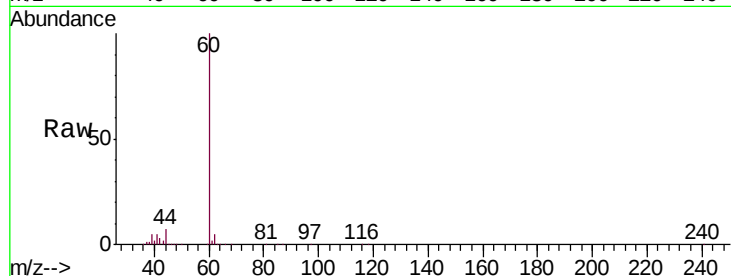
MMSV-05DL2

Tgt Ion: 62 Resp: 25166

Ion Ratio Lower Upper

62 100

64 2.0 24.8 37.2#



#9

Propene

Concen: 1.168 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL032933.D

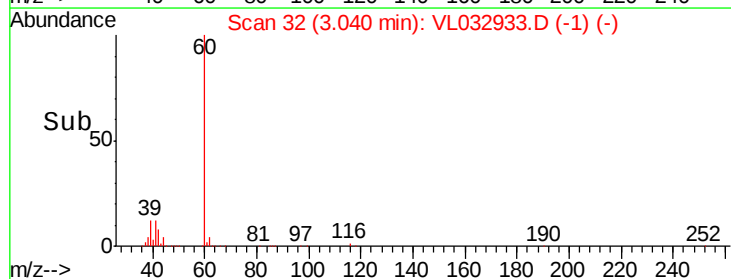
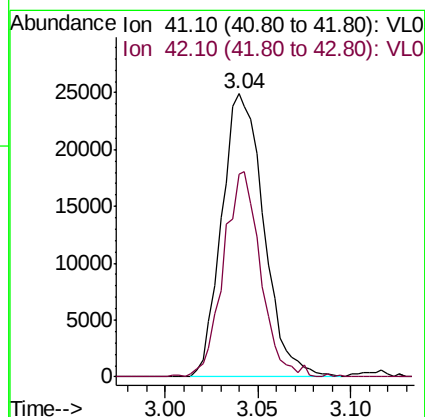
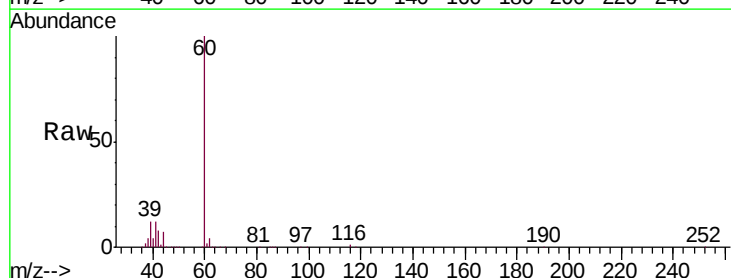
Acq: 7 Dec 2018 13:51

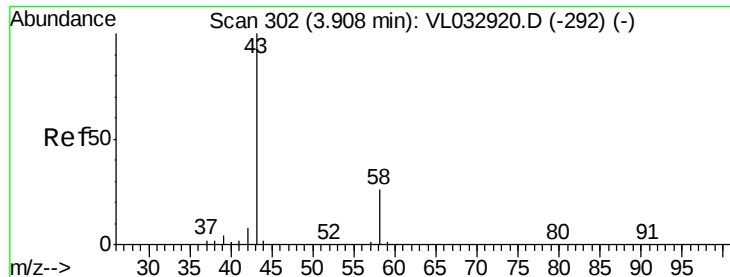
Tgt Ion: 41 Resp: 39273

Ion Ratio Lower Upper

41 100

42 64.1 56.2 84.2





#15

Acetone

Concen: 0.479 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.02 min

Lab File: VL032933.D

Acq: 7 Dec 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

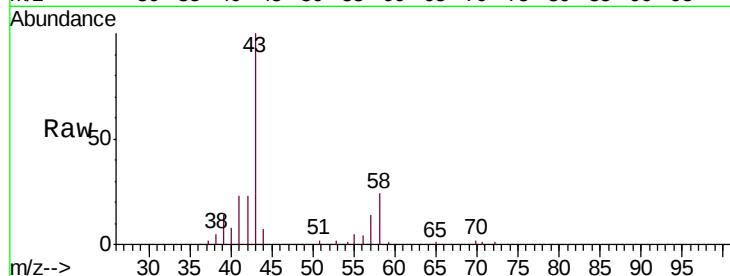
MMSV-05DL2

Tgt Ion: 43 Resp: 46122

Ion Ratio Lower Upper

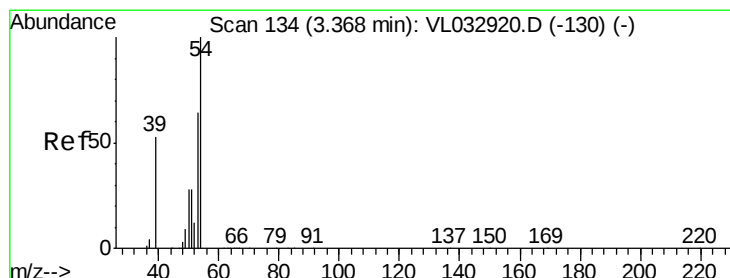
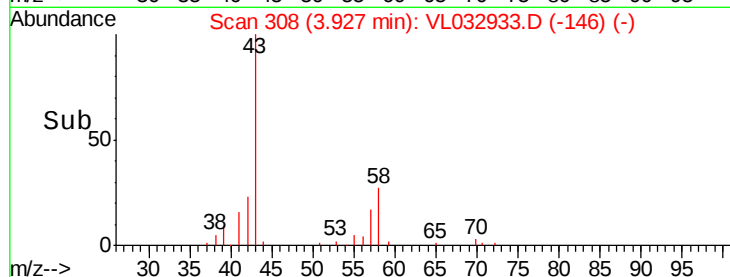
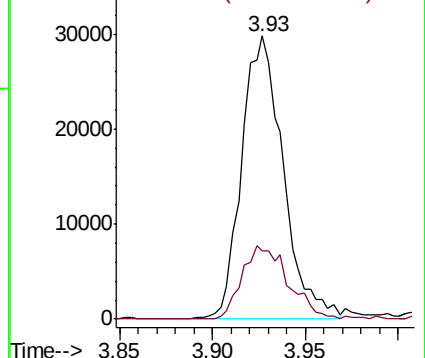
43 100

58 29.6 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.448 ppbv

RT: 3.35 min Scan# 127

Delta R.T. -0.02 min

Lab File: VL032933.D

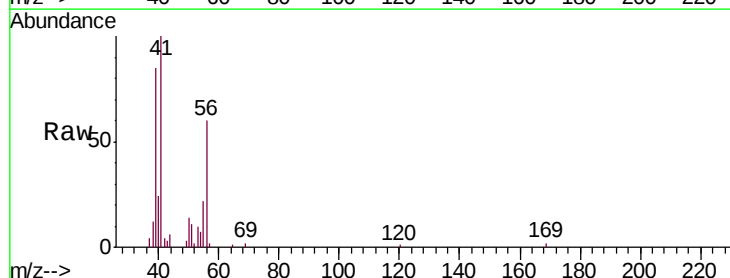
Acq: 7 Dec 2018 13:51

Tgt Ion: 39 Resp: 17111

Ion Ratio Lower Upper

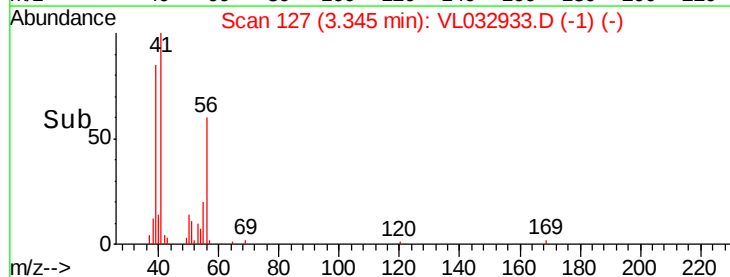
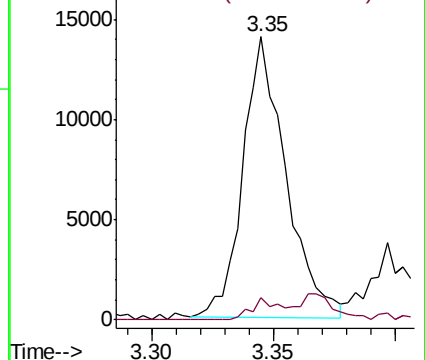
39 100

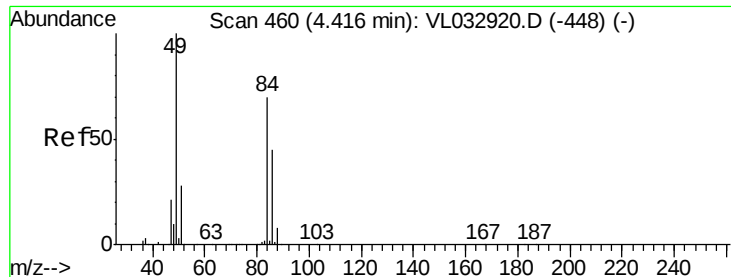
54 13.6 72.7 109.1#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

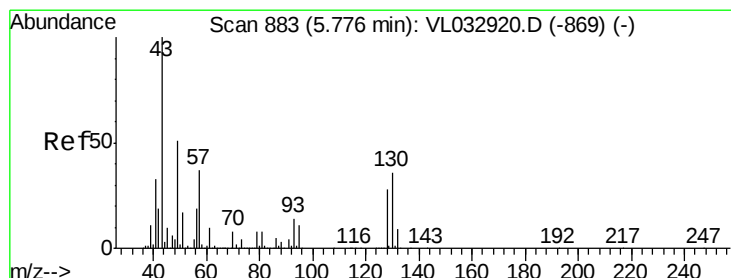
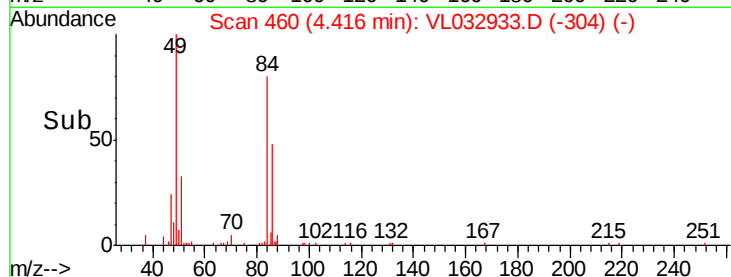
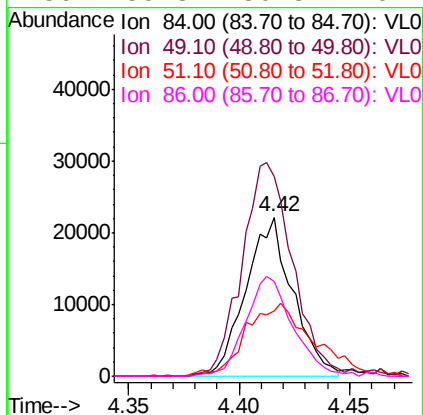
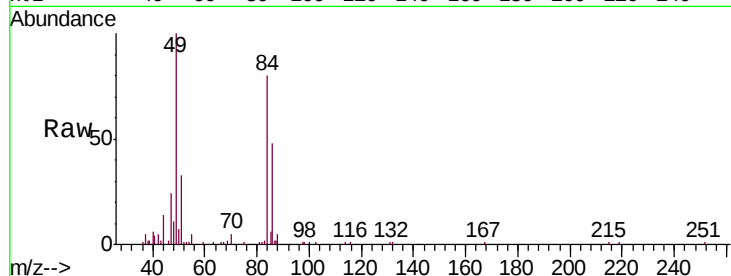




#20
Methylene Chloride
Concen: 0.696 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032933.D
Acq: 7 Dec 2018 13:51

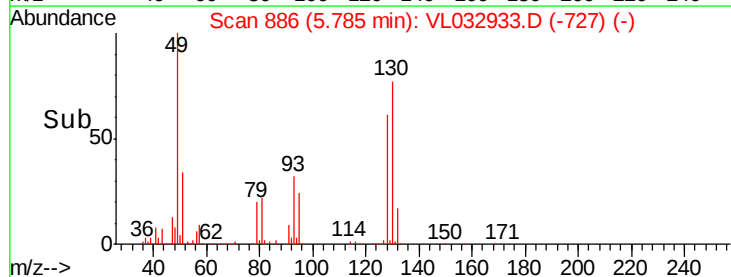
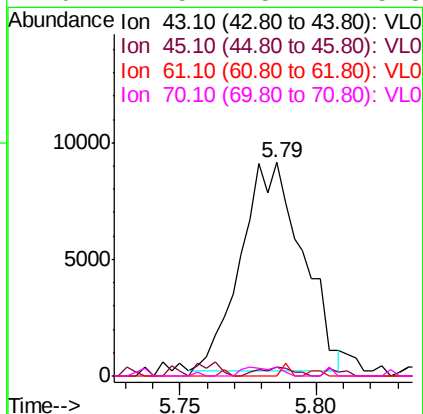
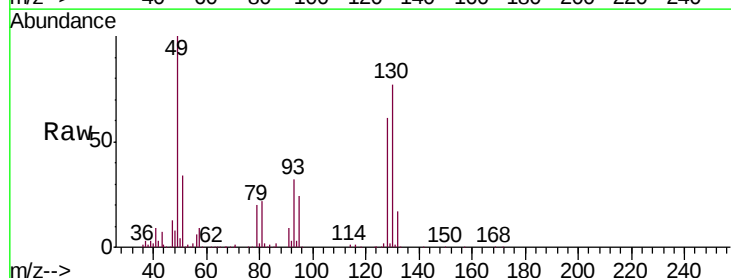
Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL2

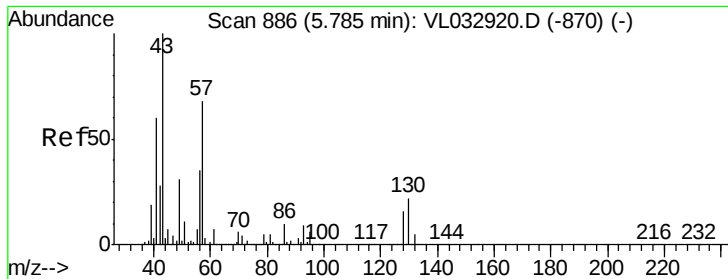
Tgt Ion:	84	Resp:	32775
Ion	Ratio	Lower	Upper
84	100		
49	125.7	113.8	170.8
51	41.9	31.8	47.8
86	59.8	50.8	76.2



#25
Ethyl Acetate
Concen: 0.061 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032933.D
Acq: 7 Dec 2018 13:51

Tgt Ion:	43	Resp:	13944
Ion	Ratio	Lower	Upper
43	100		
45	6.9	7.8	11.6#
61	1.4	7.4	11.2#
70	2.5	5.7	8.5#





#26

Hexane

Concen: 0.191 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.00 min

Lab File: VL032933.D

Acq: 7 Dec 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

MMSV-05DL2

Tgt Ion: 57 Resp: 20090

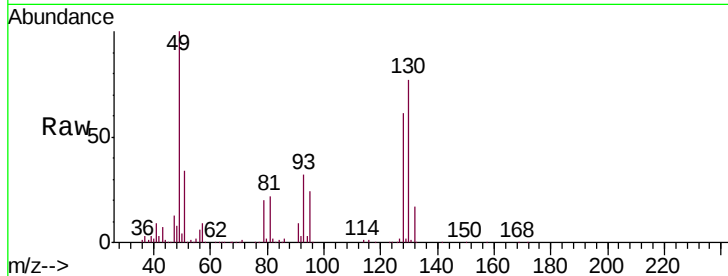
Ion Ratio Lower Upper

57 100

41 104.9 72.2 108.2

43 78.4 171.9 257.9#

56 67.9 42.2 63.2#

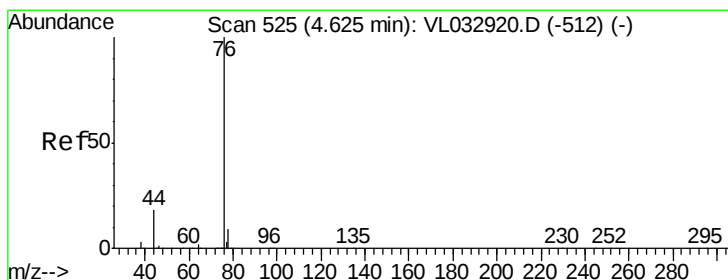
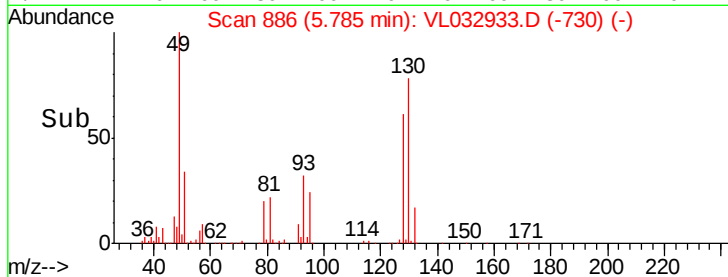
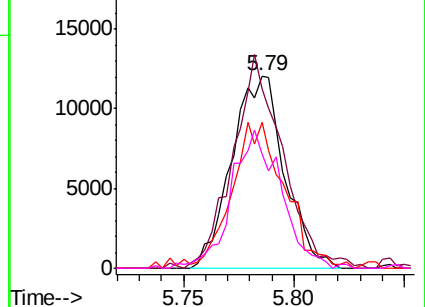


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 12.451 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL032933.D

Acq: 7 Dec 2018 13:51

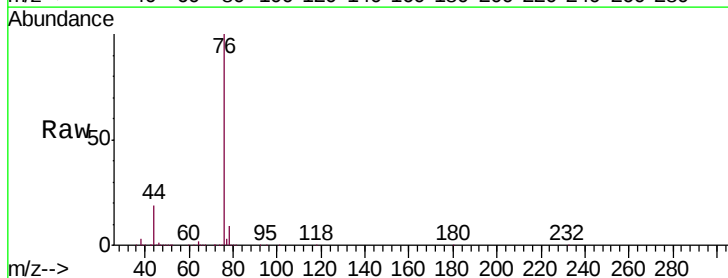
Tgt Ion: 76 Resp: 1635764

Ion Ratio Lower Upper

76 100

44 17.6 14.7 22.1

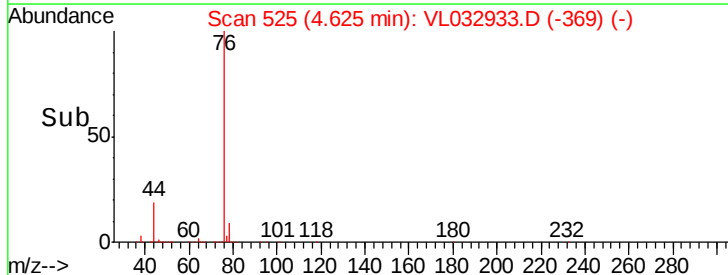
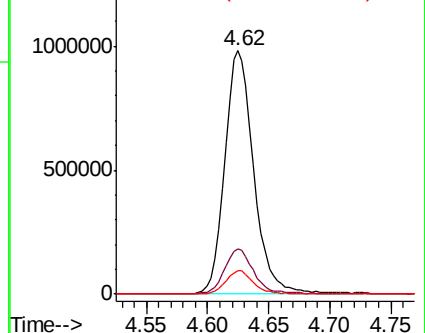
78 9.3 7.4 11.2

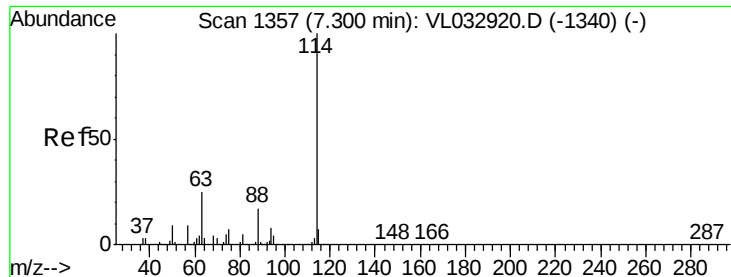


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

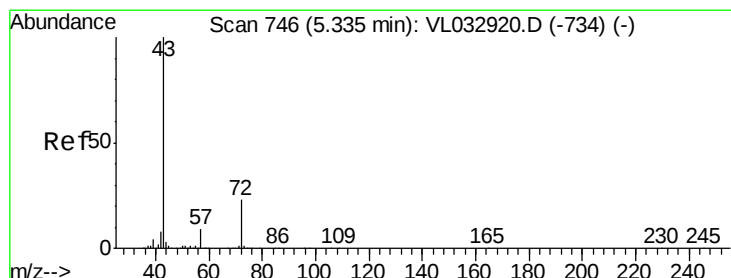
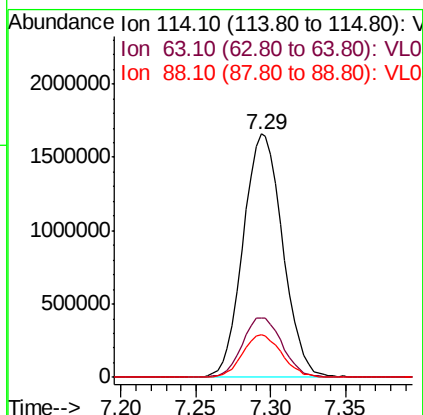
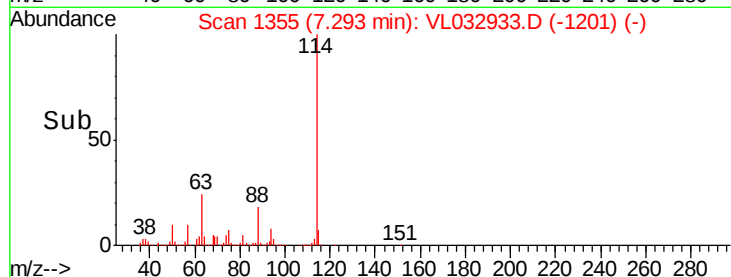
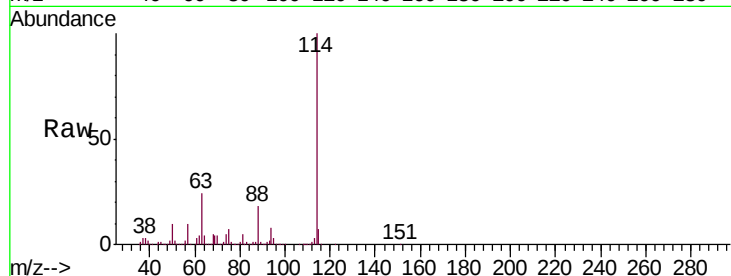




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032933.D
 Acq: 7 Dec 2018 13:51

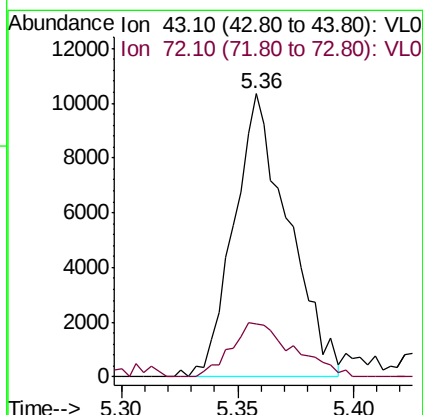
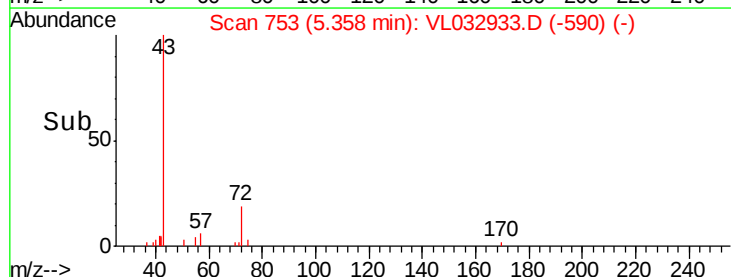
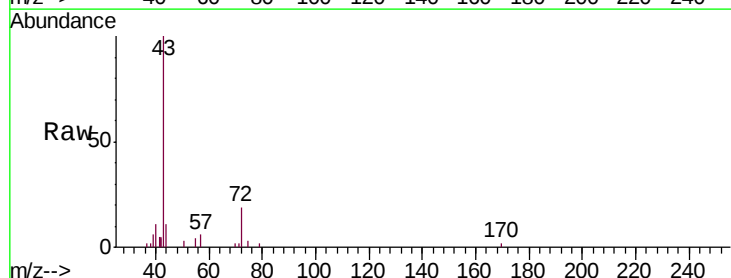
Instrument :
 MSVOA_L
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 MMSV-05DL2

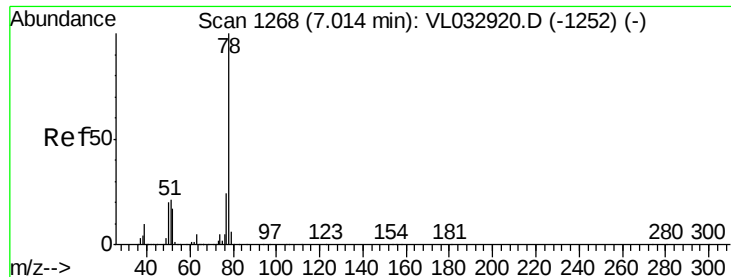
Tgt Ion:114 Resp: 3053120
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.1 30.1
 88 17.5 14.2 21.4



#34
 2-Butanone
 Concen: 0.126 ppbv
 RT: 5.36 min Scan# 753
 Delta R.T. 0.02 min
 Lab File: VL032933.D
 Acq: 7 Dec 2018 13:51

Tgt Ion: 43 Resp: 16797
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.8 28.2

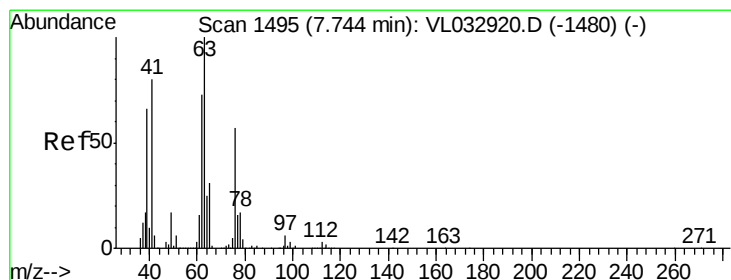
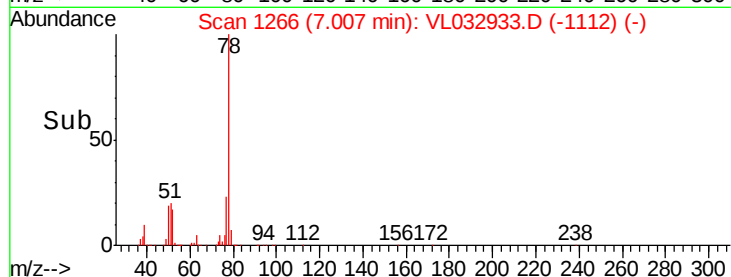
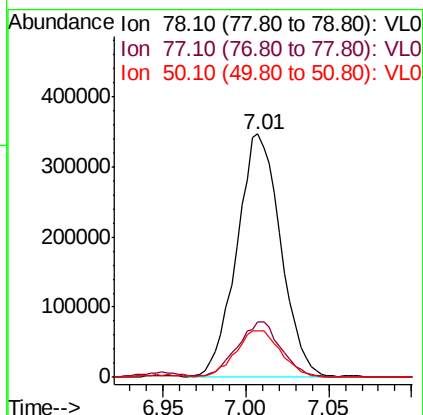
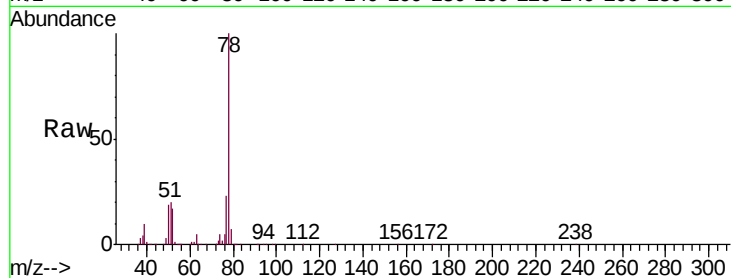




#36
Benzene
Concen: 2.822 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032933.D
Acq: 7 Dec 2018 13:51

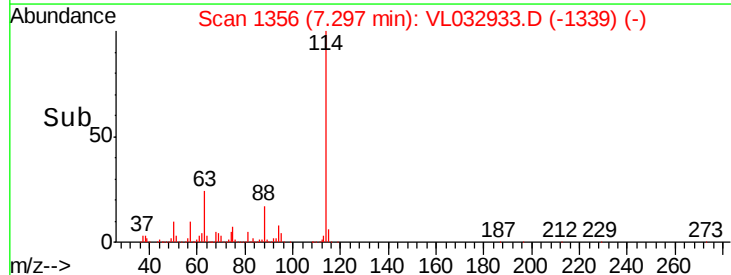
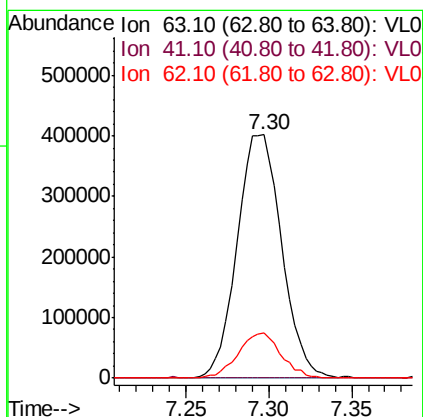
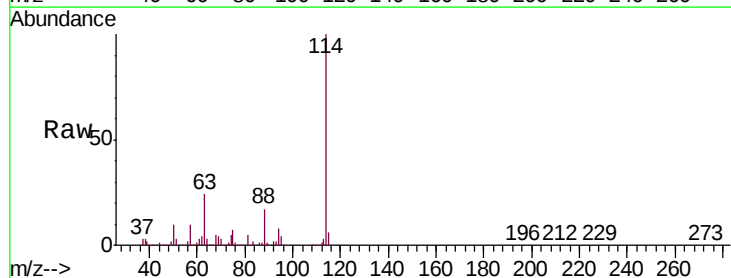
Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL2

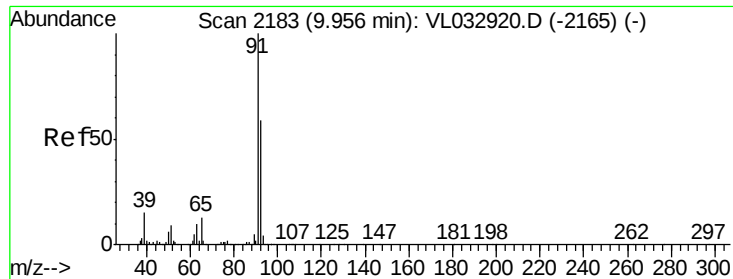
Tgt Ion: 78 Resp: 633828
Ion Ratio Lower Upper
78 100
77 22.8 18.9 28.3
50 19.0 16.1 24.1



#39
1,2-Dichloropropane
Concen: 8.821 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL032933.D
Acq: 7 Dec 2018 13:51

Tgt Ion: 63 Resp: 751266
Ion Ratio Lower Upper
63 100
41 0.0 63.9 95.9#
62 18.4 58.8 88.2#





#53

Toluene

Concen: 1.245 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032933.D

Acq: 7 Dec 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

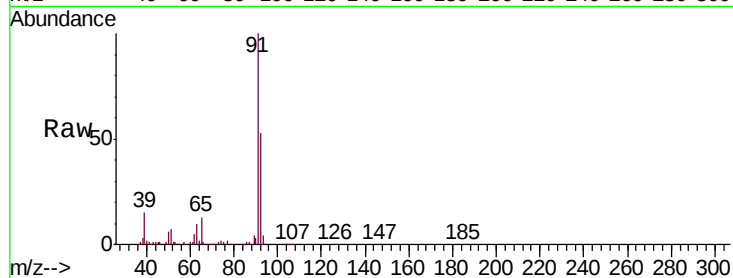
MMSV-05DL2

Tgt Ion: 91 Resp: 296467

Ion Ratio Lower Upper

91 100

92 57.4 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.95

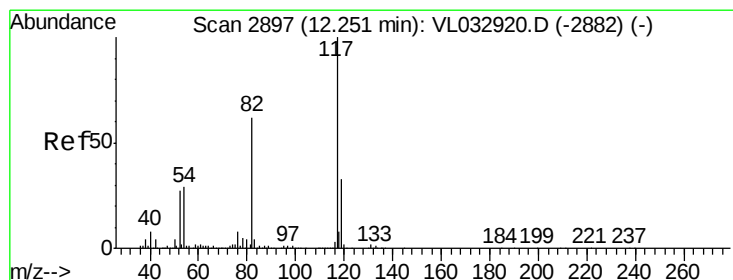
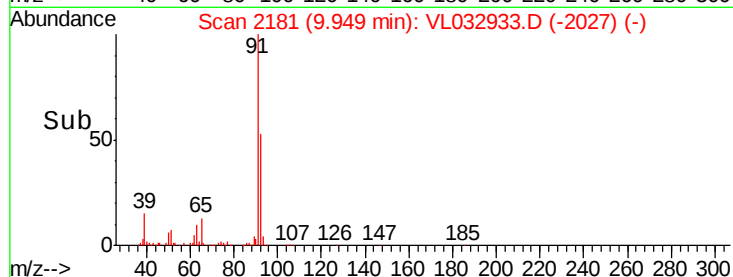
150000

100000

50000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032933.D

Acq: 7 Dec 2018 13:51

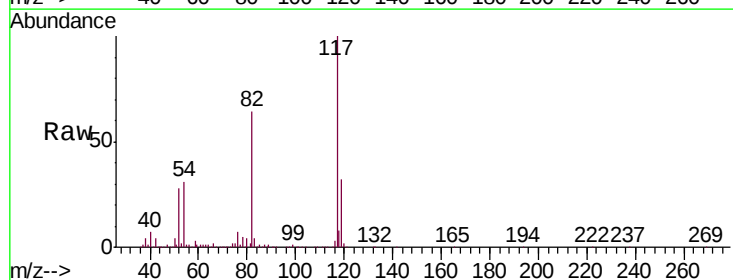
Tgt Ion: 117 Resp: 2902783

Ion Ratio Lower Upper

117 100

82 63.5 47.8 71.8

119 32.5 43.1 64.7#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

12.24

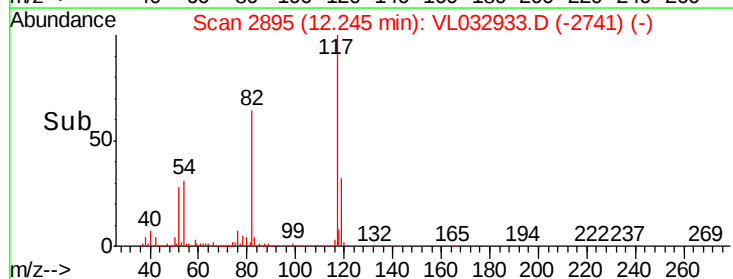
1500000

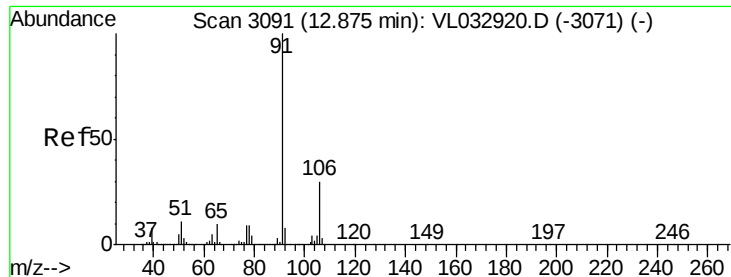
1000000

500000

0

Time-->





#58

Ethyl Benzene

Concen: 0.047 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032933.D

Acq: 7 Dec 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

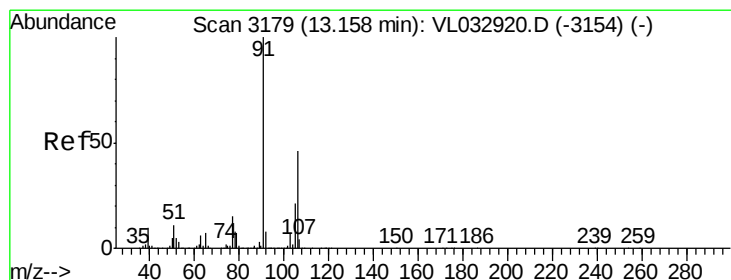
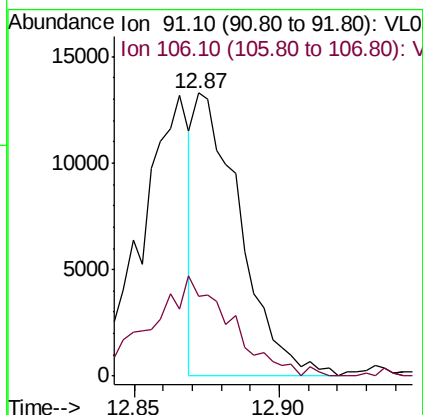
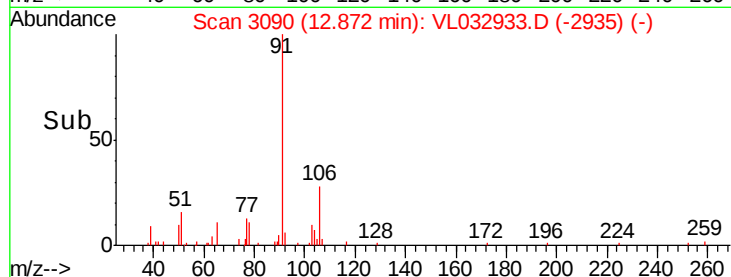
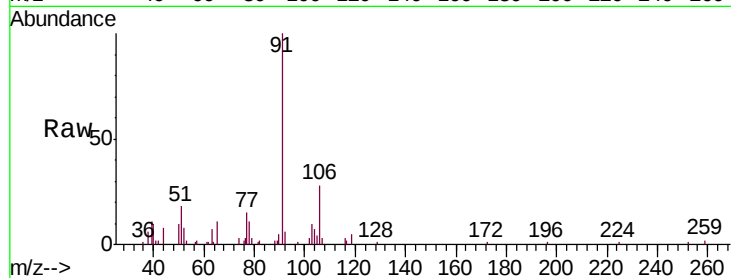
MMSV-05DL2

Tgt Ion: 91 Resp: 14482

Ion Ratio Lower Upper

91 100

106 28.3 23.9 35.9



#59

m/p-Xylene

Concen: 0.279 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. -0.03 min

Lab File: VL032933.D

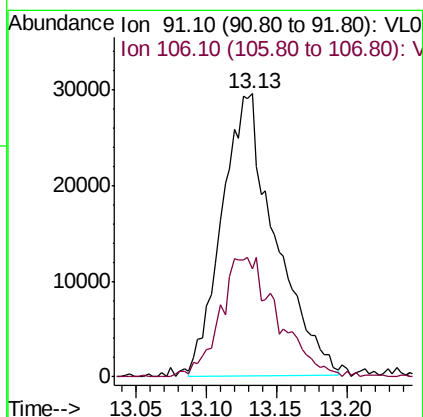
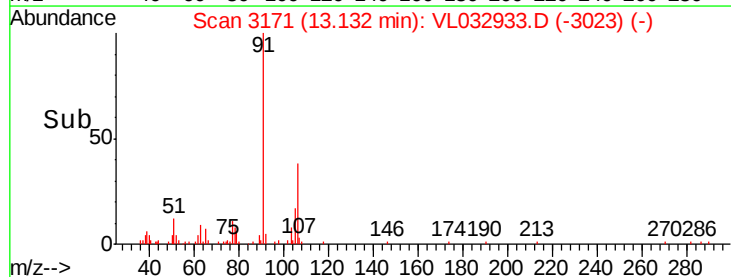
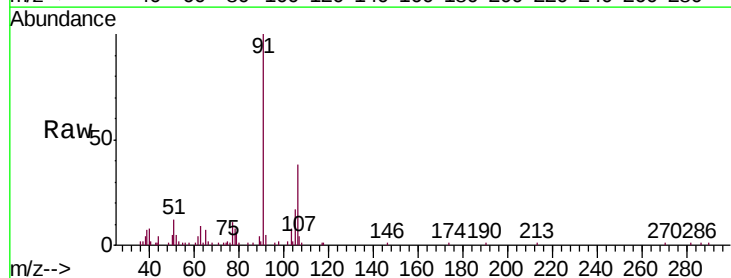
Acq: 7 Dec 2018 13:51

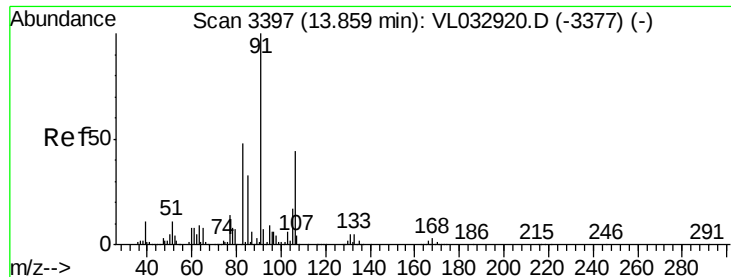
Tgt Ion: 91 Resp: 78214

Ion Ratio Lower Upper

91 100

106 46.0 0.0 0.0#

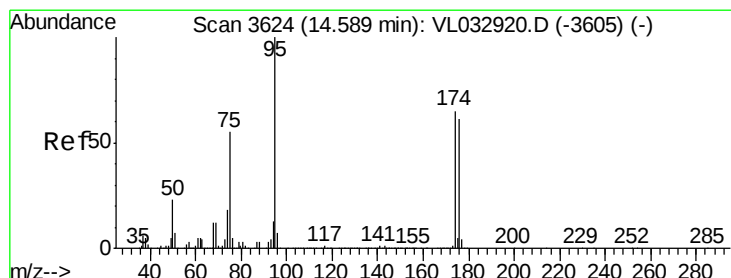
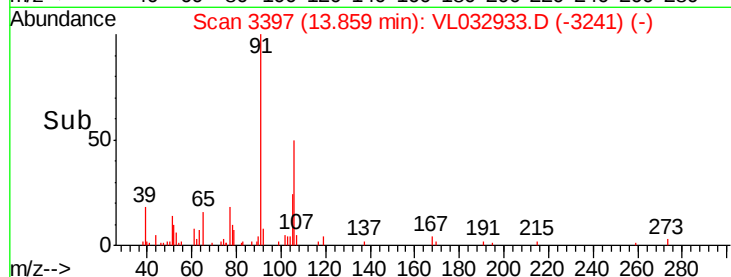
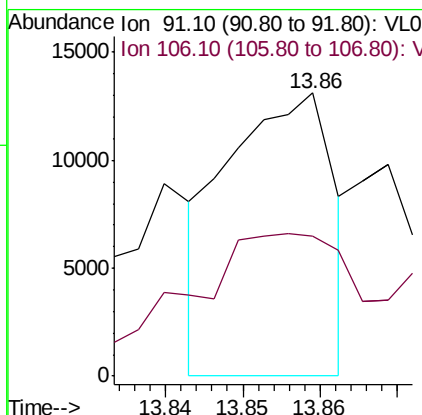
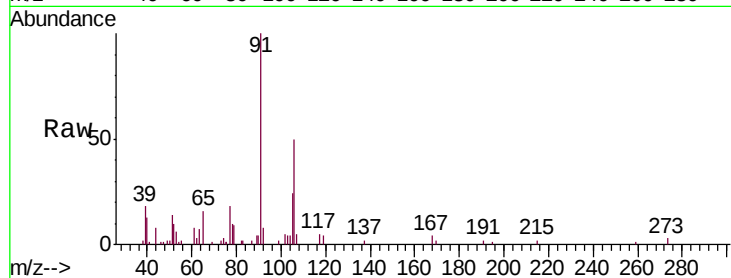




#60
o-Xylene
Concen: 0.044 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL032933.D
Acq: 7 Dec 2018 13:51

Instrument :
MSVOA_L
ClientSampleId :
MMSV-05DL2

Tgt Ion: 91 Resp: 12580
Ion Ratio Lower Upper
91 100
106 108.4 21.9 65.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.241 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032933.D
Acq: 7 Dec 2018 13:51

Tgt Ion: 95 Resp: 2196303
Ion Ratio Lower Upper
95 100
174 66.1 51.4 77.0
175 4.7 3.8 5.6

