

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120418\
 Data File : VL032880.D
 Acq On : 4 Dec 2018 17:25
 Operator : SY/AP
 Sample : J6175-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-02DL

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 1:00:02 PM

Quant Time: Dec 05 15:10:40 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	1527541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3788257	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3858038	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.58	95	2790836	9.67	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	153829	3.174	ppbv	94
13) Ethanol	3.67	45	26564m	1.673	ppbv	
15) Acetone	3.91	43	320966	2.301	ppbv #	83
27) Carbon Disulfide	4.63	76	99680	0.543	ppbv #	84
34) 2-Butanone	5.34	43	1291903	6.575	ppbv	100
36) Benzene	7.01	78	1548840	5.134	ppbv	99
51) 2-Hexanone	10.30	43	83386	0.422	ppbv #	100
53) Toluene	9.95	91	1213686	3.857	ppbv	99
58) Ethyl Benzene	12.87	91	154772	0.333	ppbv	94
59) m/p-Xylene	13.12	91	496803	1.202	ppbv	99
60) o-Xylene	13.85	91	446440	1.074	ppbv	100
61) Styrene	13.69	104	36000m	0.133	ppbv	
73) 1,3,5-Trimethylbenzene	16.16	105	86122m	0.193	ppbv	
74) 1,2,4-Trimethylbenzene	16.93	105	223598	0.469	ppbv #	66
79) Naphthalene	22.42	128	43961m	0.140	ppbv	

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

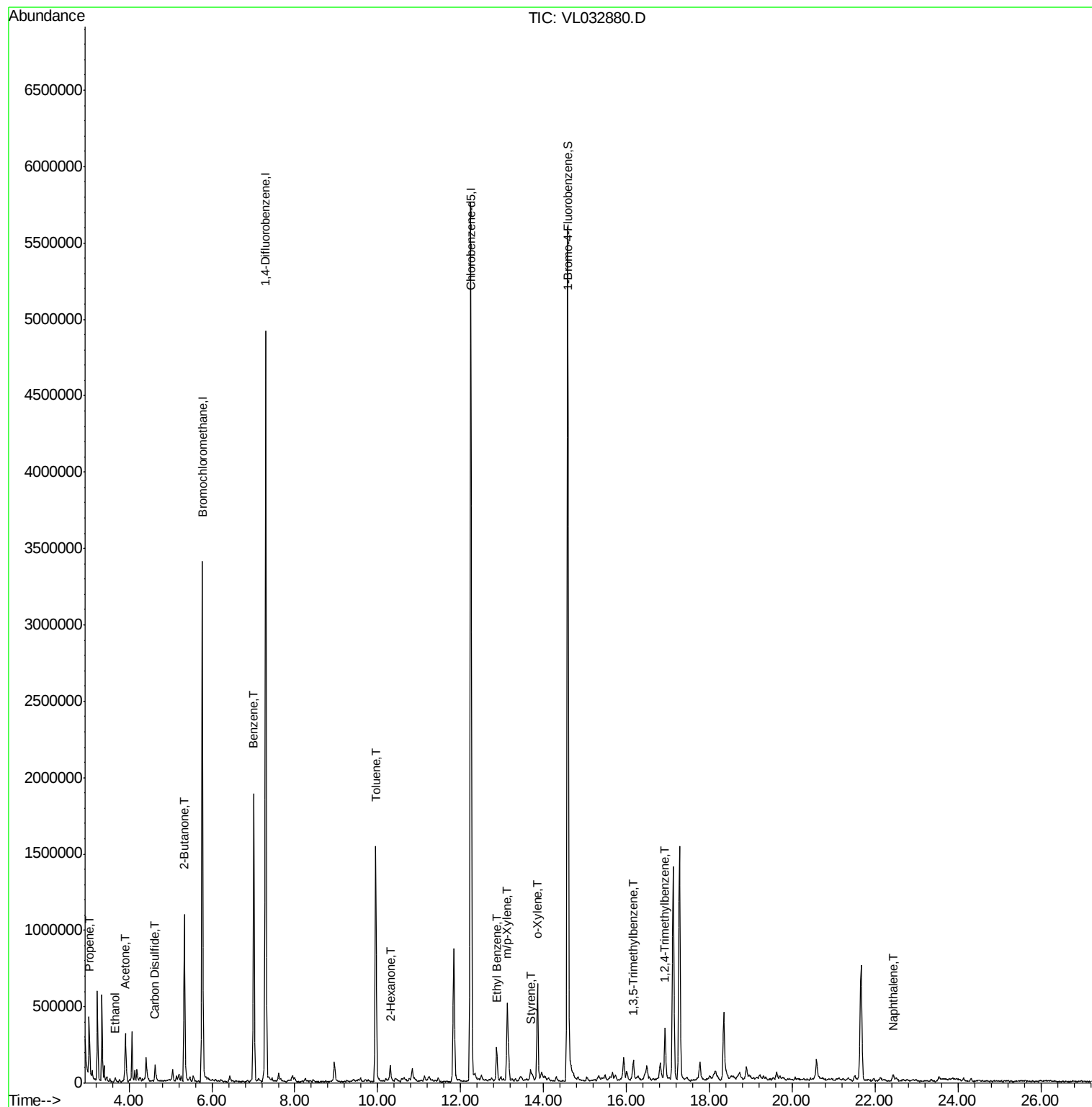
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120418\
Data File : VL032880.D
Acq On : 4 Dec 2018 17:25
Operator : SY/AP
Sample : J6175-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

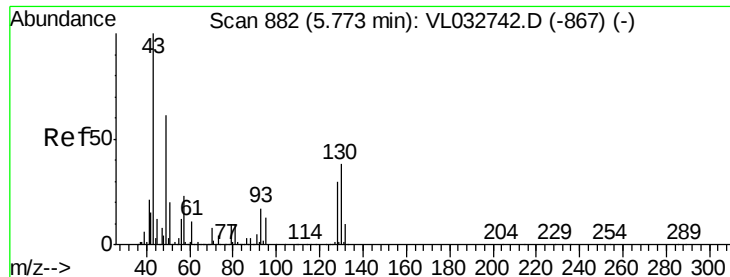
Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DL

Manual Integrations
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Quant Time: Dec 05 15:10:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
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: VL032880.D

Acq: 4 Dec 2018 17:25

Instrument :

MSVOA_L

ClientSampleId :

MMSV-02DL

Tot Ion: 49 Resp: 1527541

Ion Ratio Lower Upper

49 100

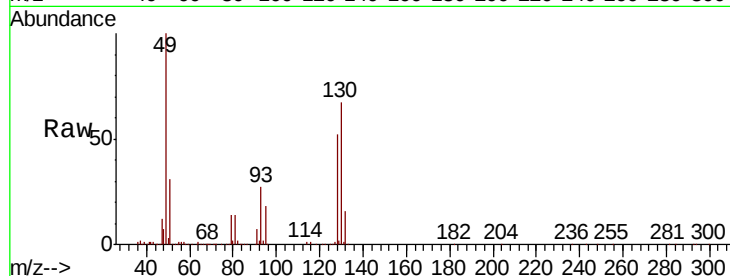
128 52.7 24.9 74.6

130 67.1 31.4 94.2

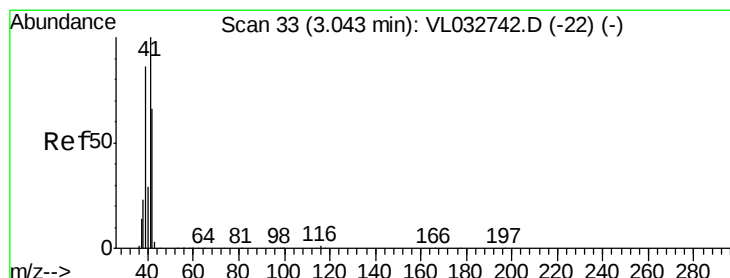
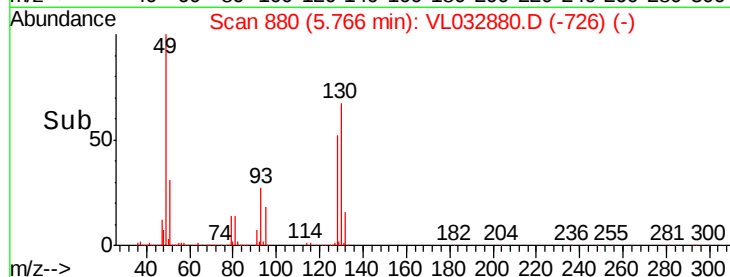
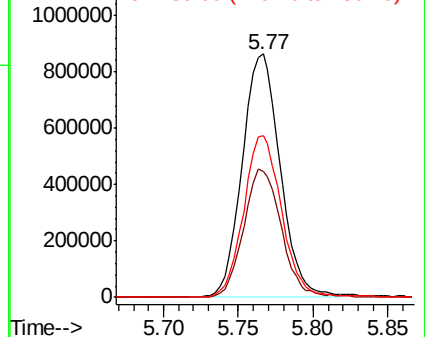
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 3.174 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032880.D

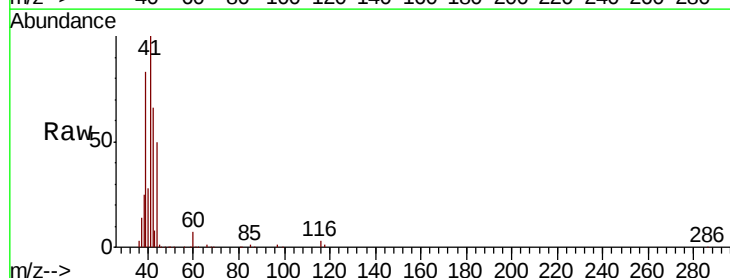
Acq: 4 Dec 2018 17:25

Tgt Ion: 41 Resp: 153829

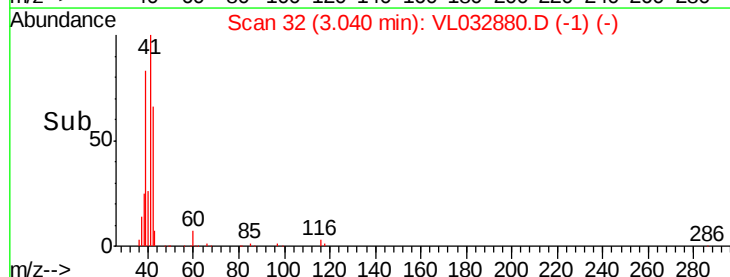
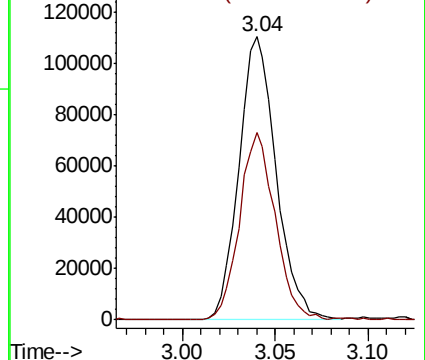
Ion Ratio Lower Upper

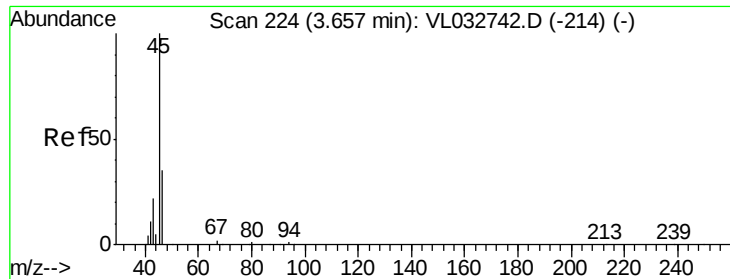
41 100

42 64.0 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





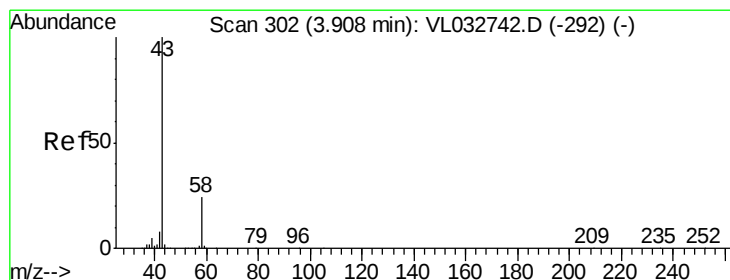
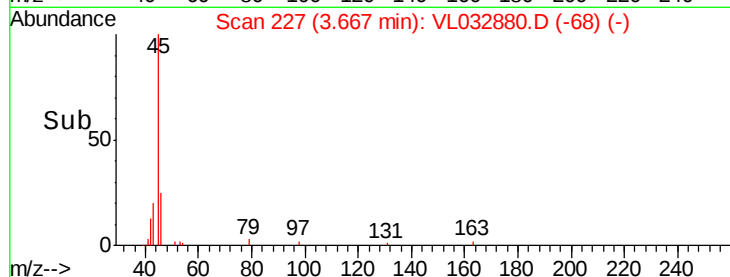
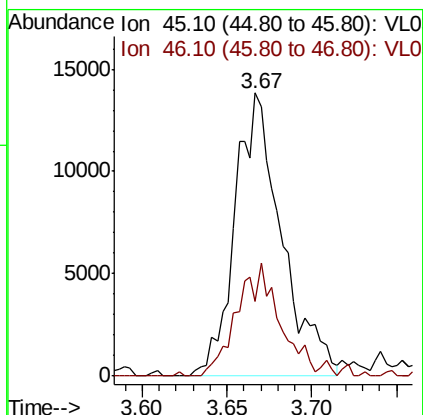
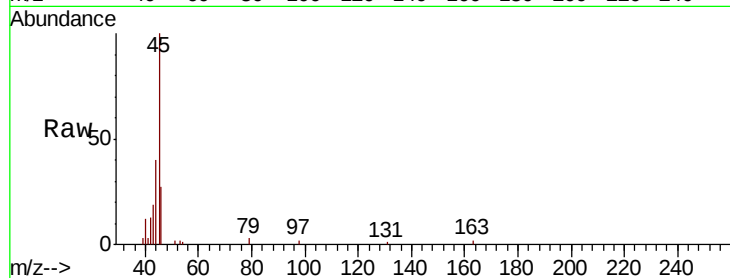
#13
Ethanol
Concen: 1.673 ppbv m
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DL

Tot Ion: 45 Resp: 26564
Ion Ratio Lower Upper
45 100
46 0.0 14.5 57.9#

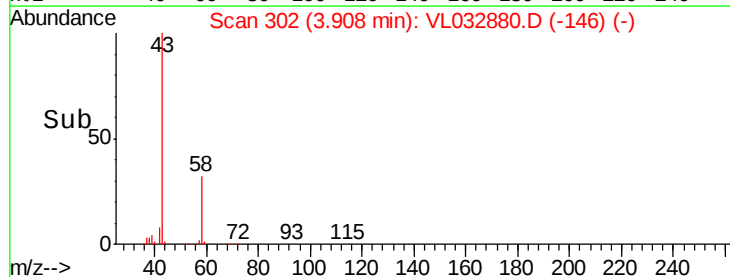
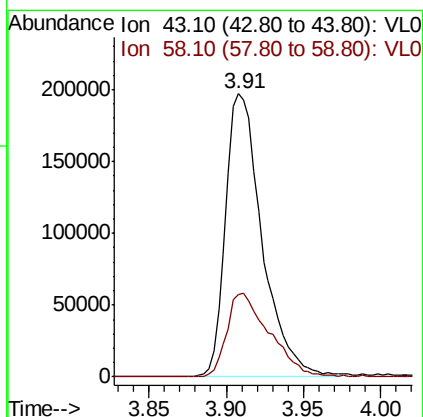
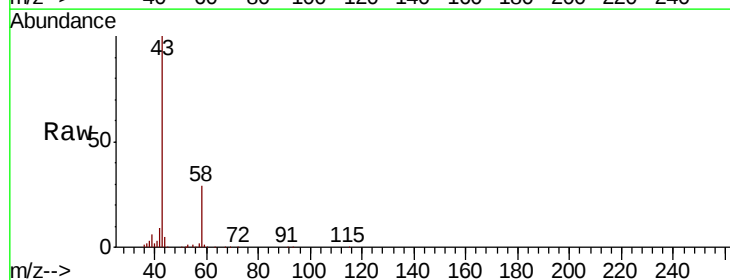
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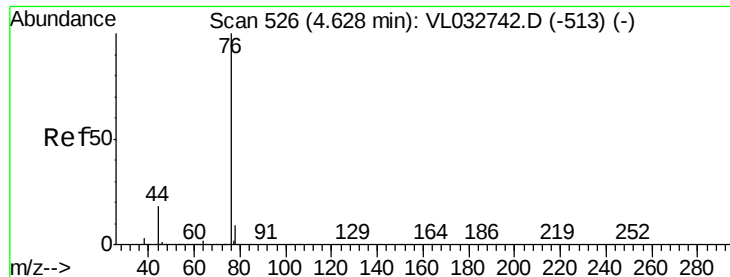
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#15
Acetone
Concen: 2.301 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Tgt Ion: 43 Resp: 320966
Ion Ratio Lower Upper
43 100
58 34.9 21.1 31.7#





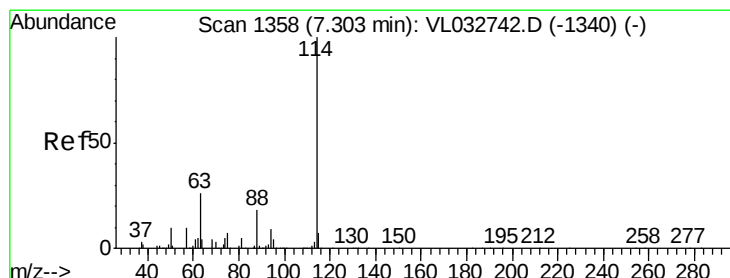
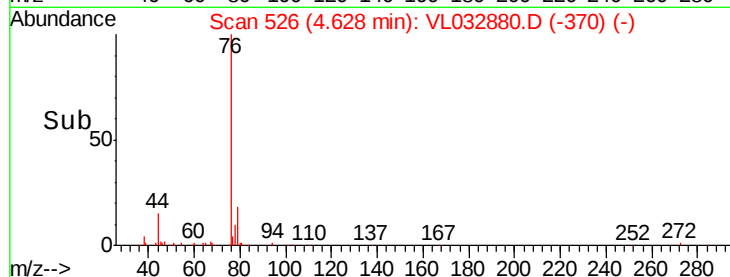
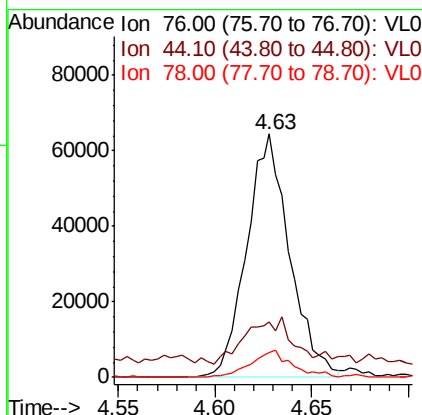
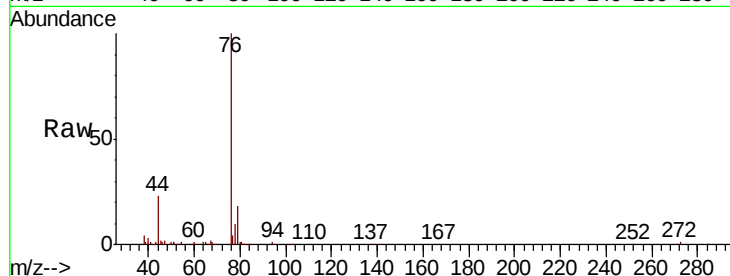
#27
Carbon Disulfide
Concen: 0.543 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.00 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DL

Tot Ion	Ratio	Lower	Upper
76	100		
44	27.7	14.4	21.6#
78	11.1	7.7	11.5

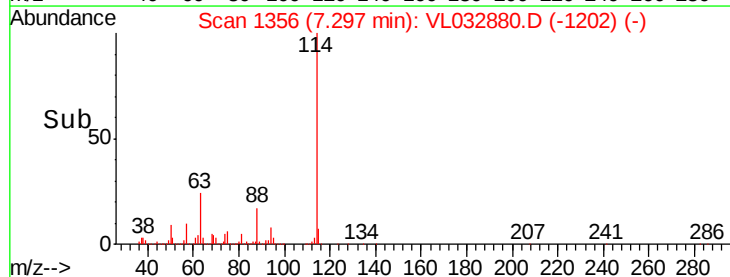
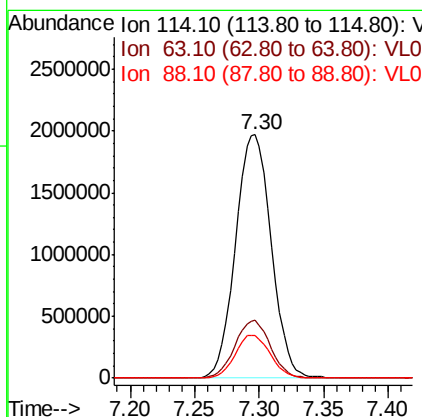
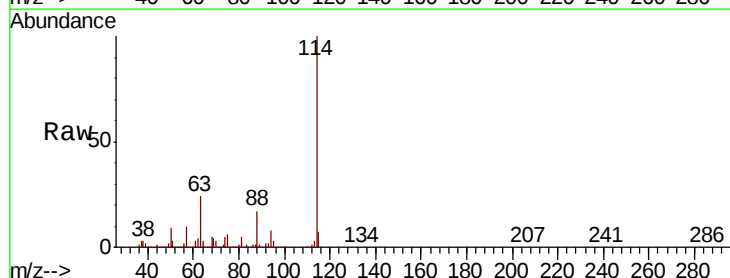
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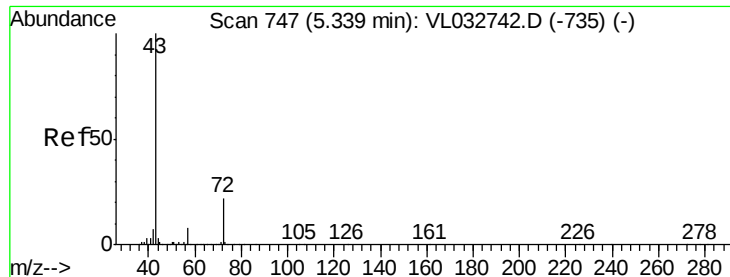
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	20.9	31.3
88	17.3	14.4	21.6





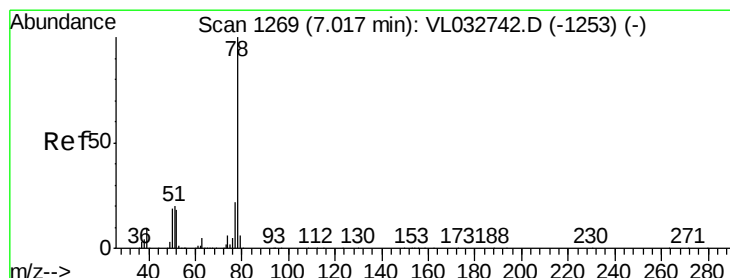
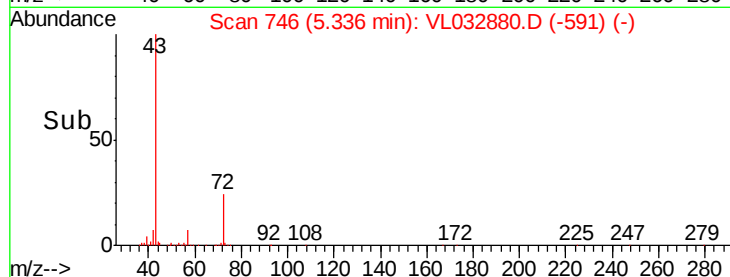
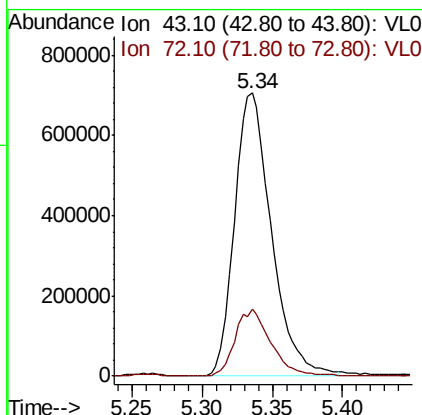
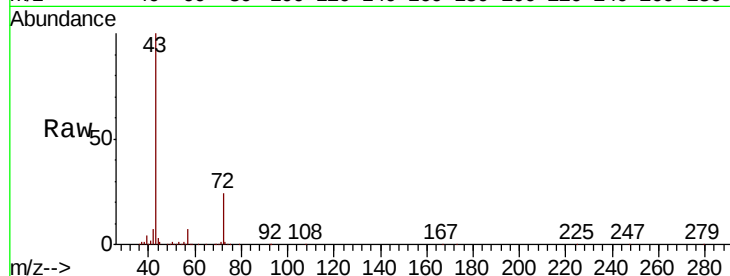
#34
2-Butanone
Concen: 6.575 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DL

Tot Ion: 43 Resp: 1291903
Ion Ratio Lower Upper
43 100
72 22.9 18.4 27.6

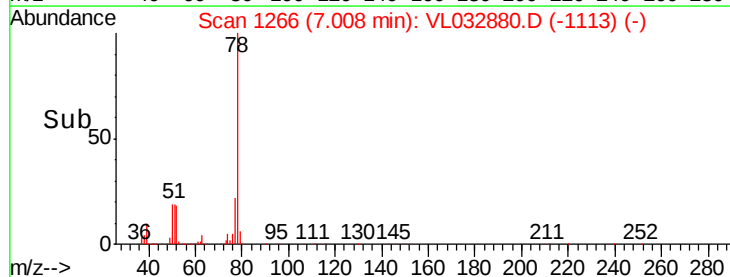
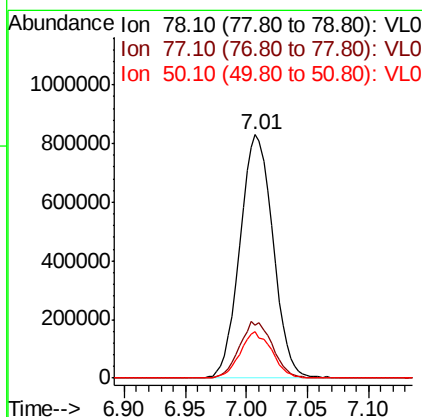
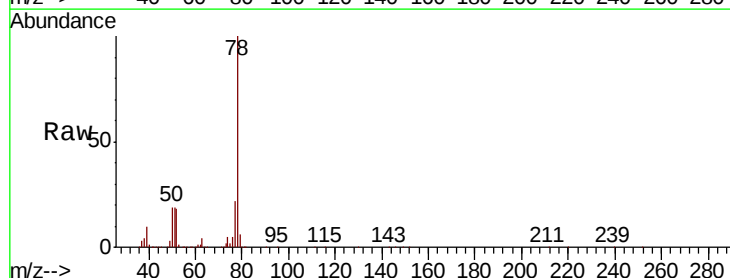
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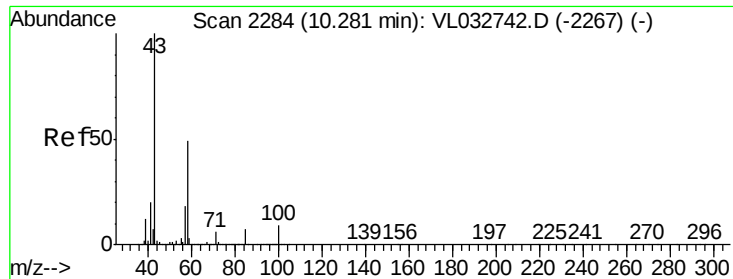
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#36
Benzene
Concen: 5.134 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Tgt Ion: 78 Resp: 1548840
Ion Ratio Lower Upper
78 100
77 21.9 17.8 26.8
50 19.1 15.4 23.0





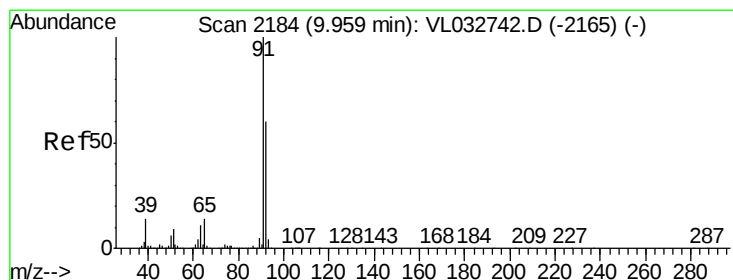
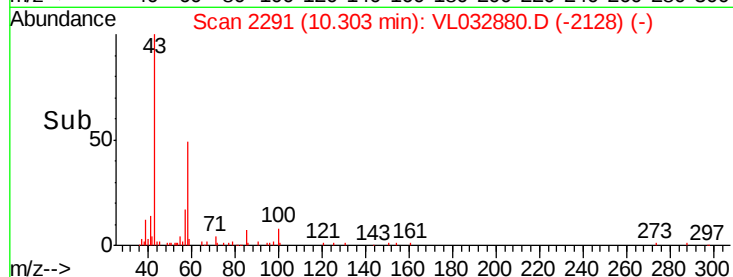
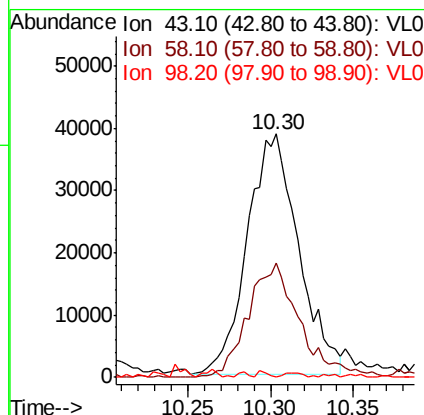
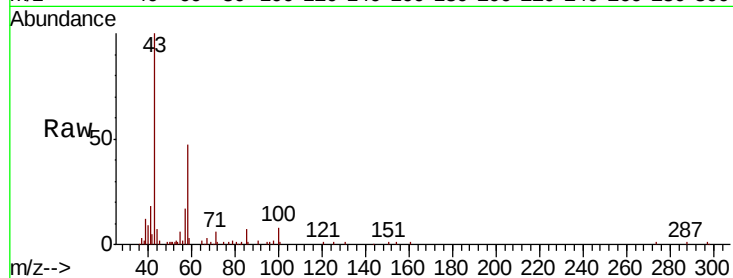
#51
2-Hexanone
Concen: 0.422 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. 0.02 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.9	58.3
98	2.2	0.2	0.4

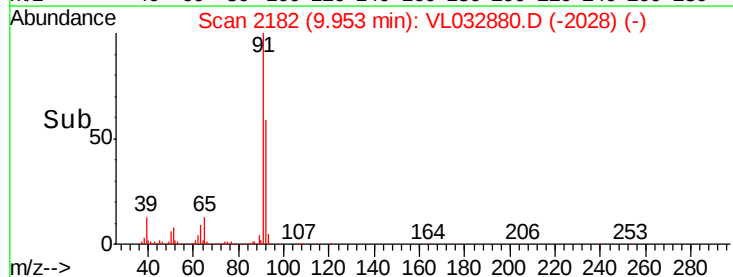
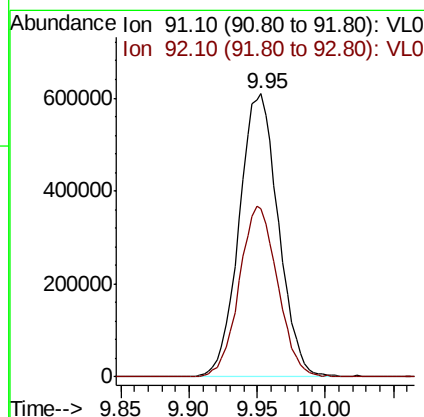
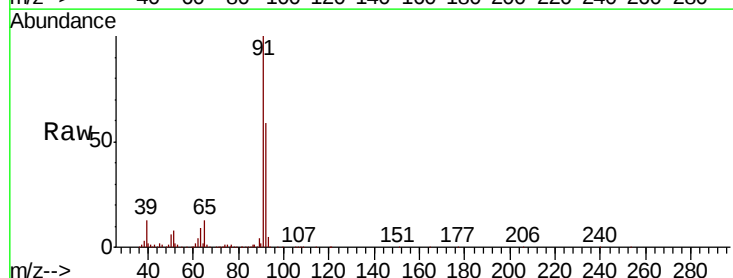
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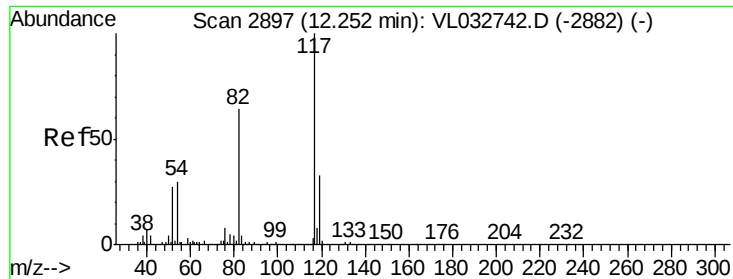
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#53
Toluene
Concen: 3.857 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.9	71.9





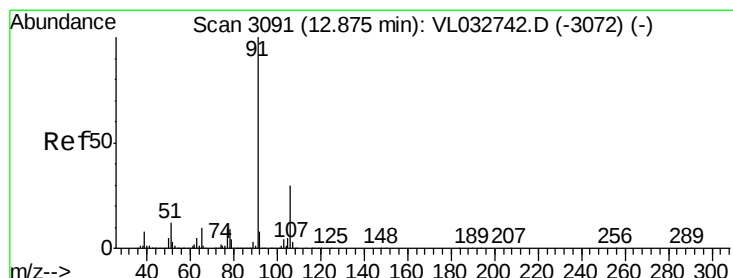
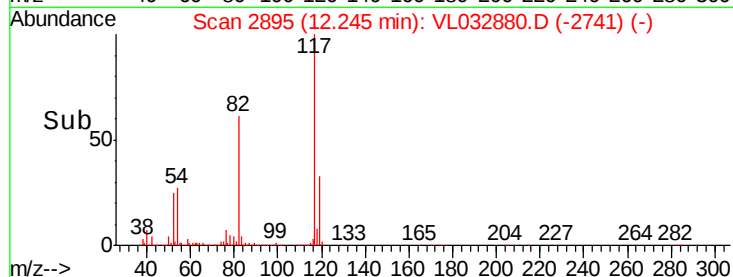
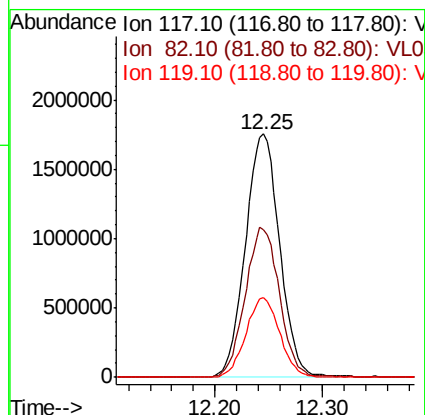
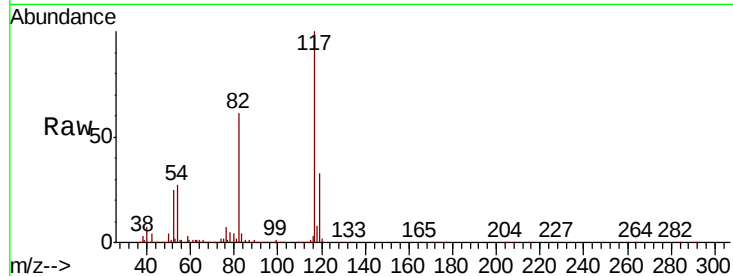
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DL

Tot Ion:117 Resp: 3858038
Ion Ratio Lower Upper
117 100
82 62.3 51.0 76.6
119 32.6 28.0 42.0

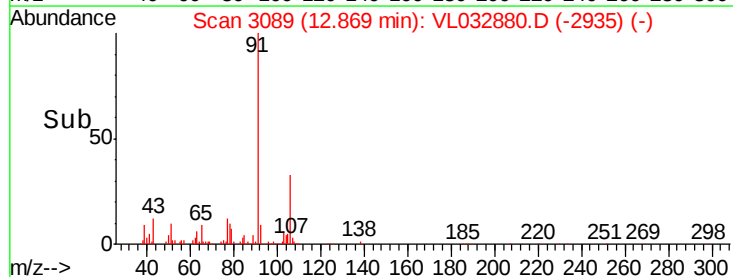
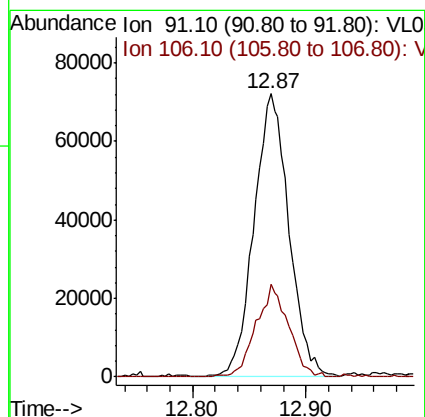
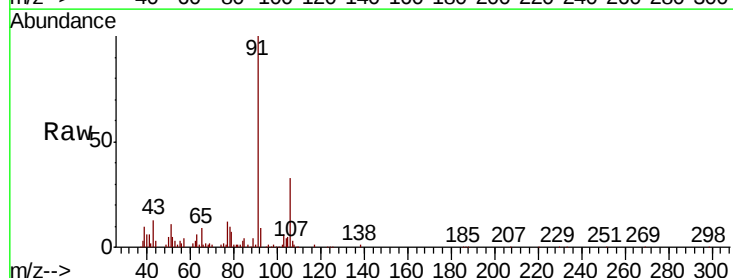
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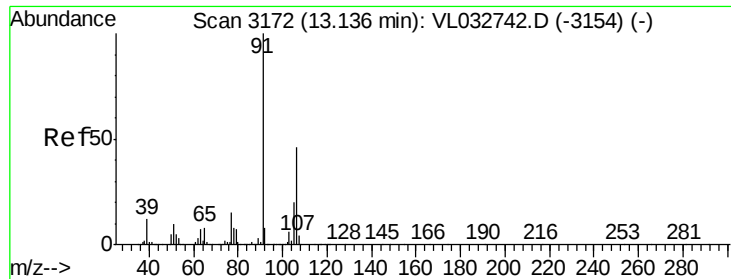
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#58
Ethyl Benzene
Concen: 0.333 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Tgt Ion: 91 Resp: 154772
Ion Ratio Lower Upper
91 100
106 32.5 23.6 35.4





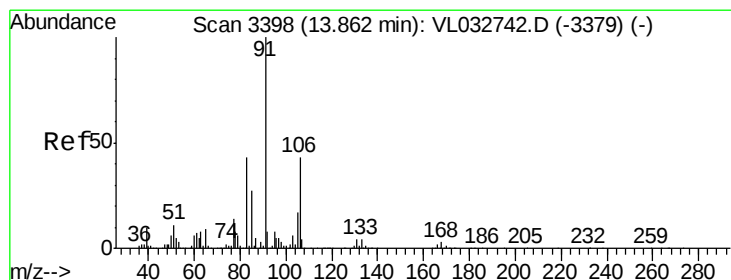
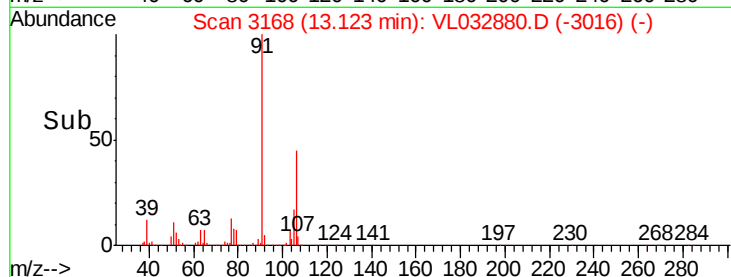
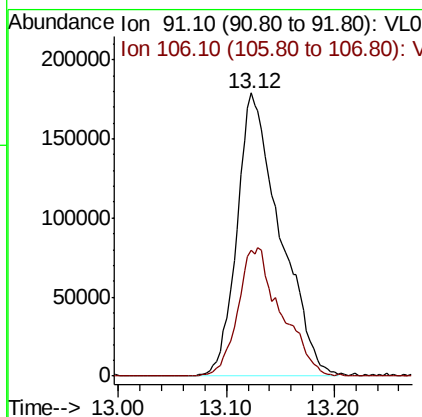
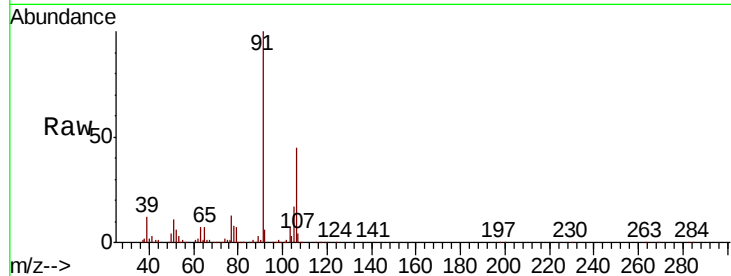
#59
m/p-Xylene
Concen: 1.202 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DL

Tot Ion: 91 Resp: 496803
Ion Ratio Lower Upper
91 100
106 45.5 36.1 54.1

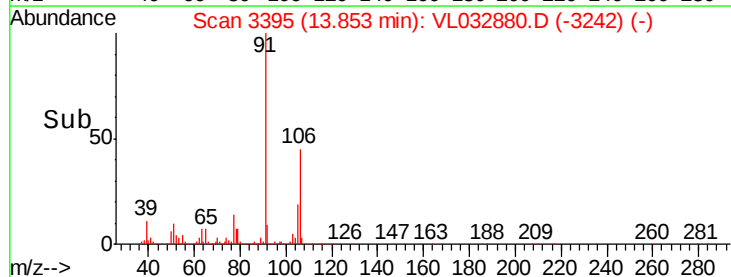
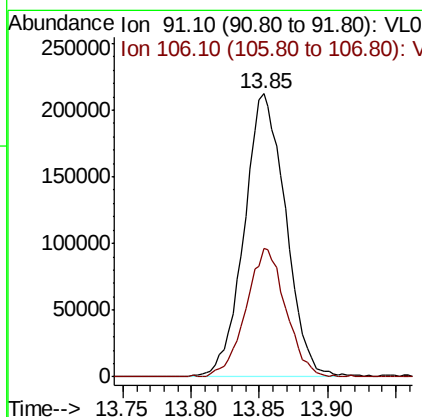
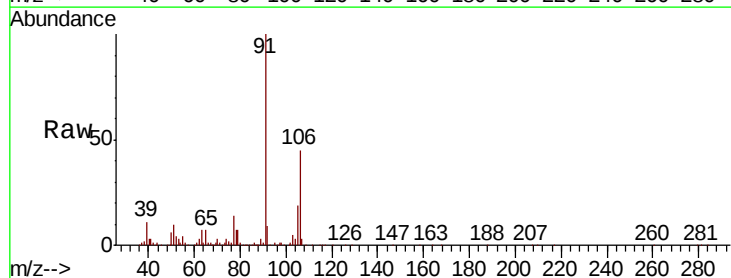
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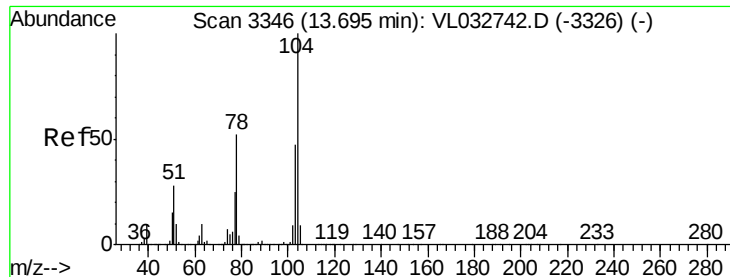
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#60
o-Xylene
Concen: 1.074 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032880.D
Acq: 4 Dec 2018 17:25

Tgt Ion: 91 Resp: 446440
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.7





#61

Stvrene

Concen: 0.133 ppbv m

RT: 13.69 min Scan# 3344

Delta R.T. -0.01 min

Lab File: VL032880.D

Acq: 4 Dec 2018 17:25

Instrument :

MSVOA_L

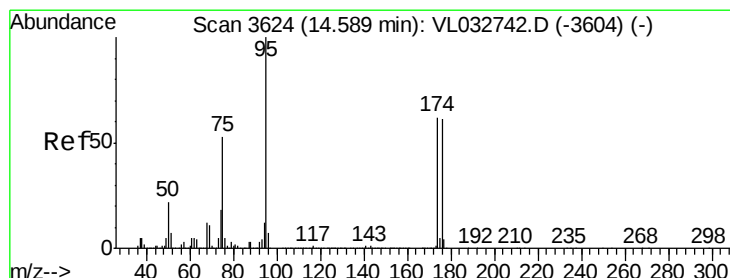
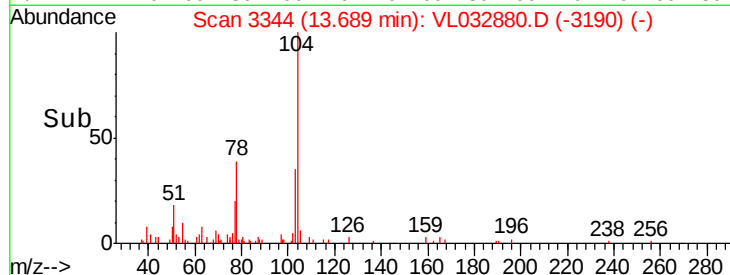
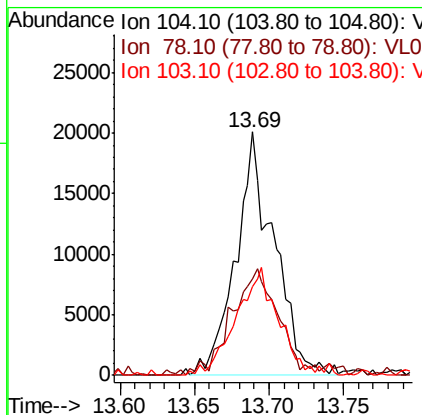
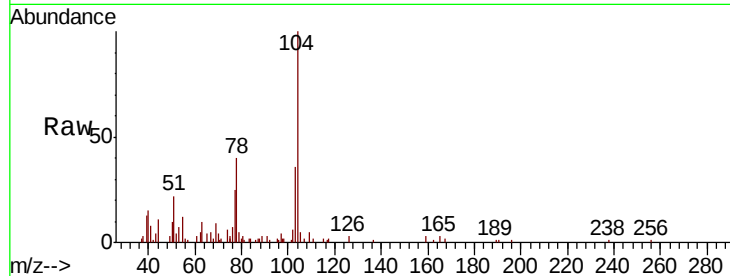
ClientSampleId :

MMSV-02DL

Tot Ion:	104	Resp:	36000
Ion Ratio	Lower	Upper	
104	100		
78	57.7	42.2	63.4
103	49.7	38.2	57.2

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.672 ppbv

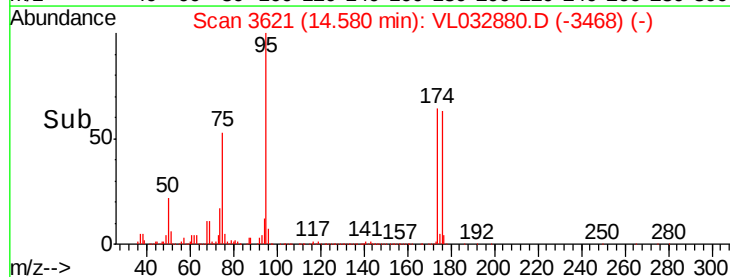
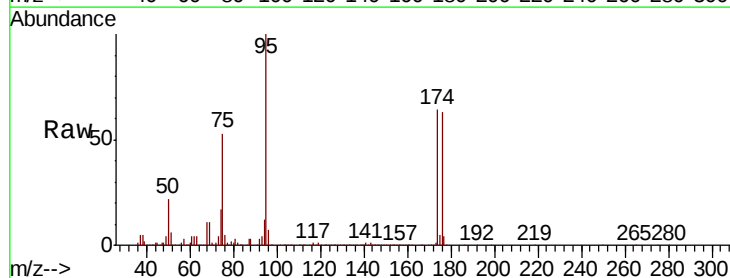
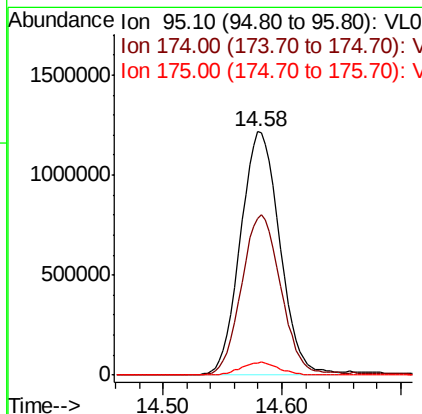
RT: 14.58 min Scan# 3621

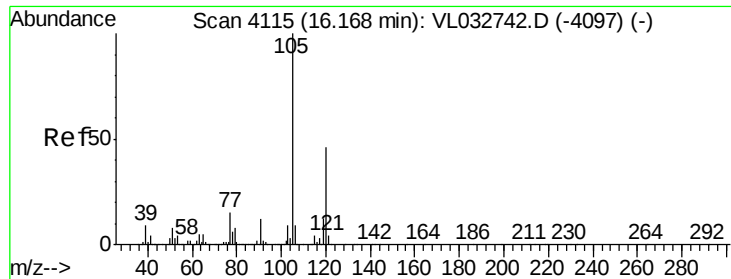
Delta R.T. -0.01 min

Lab File: VL032880.D

Acq: 4 Dec 2018 17:25

Tgt Ion:	95	Resp:	2790836
Ion Ratio	Lower	Upper	
95	100		
174	67.0	50.7	76.1
175	5.1	3.8	5.6





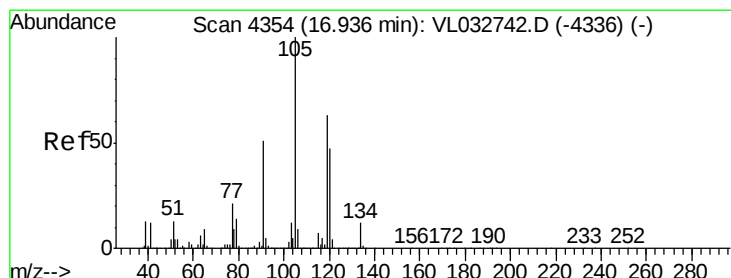
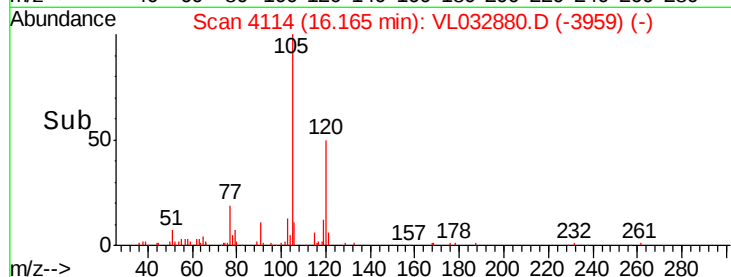
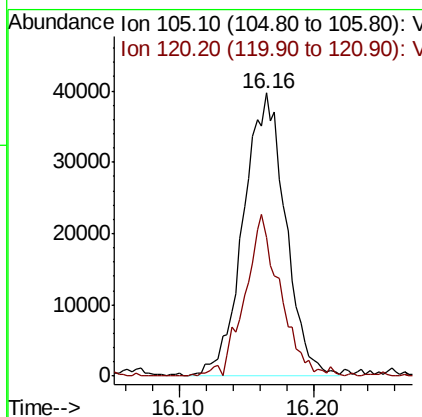
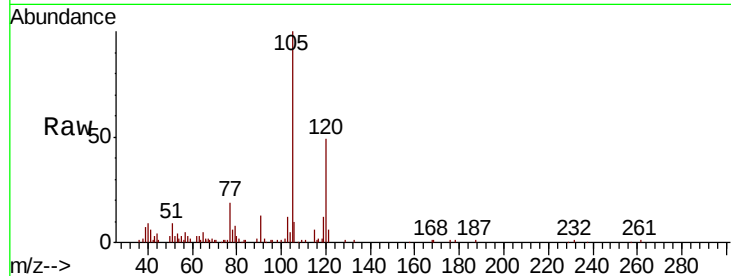
#73
 1,3,5-Trimethylbenzene
 Concen: 0.193 ppbv m
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032880.D
 Acq: 4 Dec 2018 17:25

Instrument :
 MSVOA_L
 ClientSampled :
 MMSV-02DL

Tot Ion:105 Resp: 86122
 Ion Ratio Lower Upper
 105 100
 120 49.2 36.6 55.0

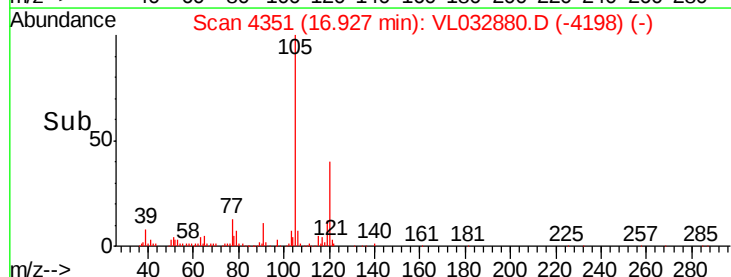
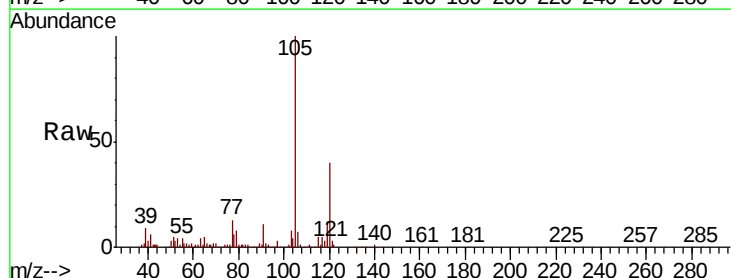
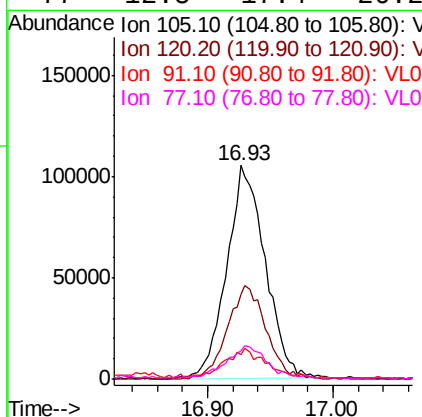
Manual Integrations
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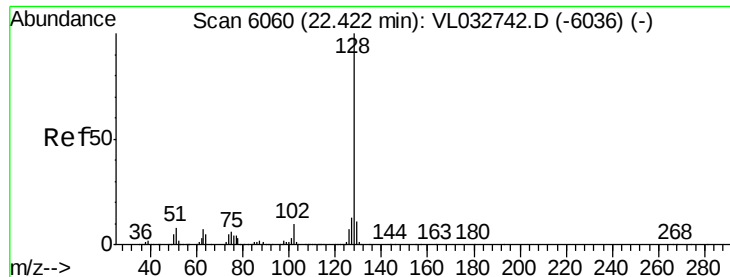
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.469 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.01 min
 Lab File: VL032880.D
 Acq: 4 Dec 2018 17:25

Tgt Ion:105 Resp: 223598
 Ion Ratio Lower Upper
 105 100
 120 40.1 37.6 56.4
 91 10.7 42.5 63.7#
 77 12.5 17.4 26.2#





#79

Naphthalene

Concen: 0.140 ppbv m

RT: 22.42 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL032880.D

Acq: 4 Dec 2018 17:25

Instrument :

MSVOA_L

ClientSampleId :

MMSV-02DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.1	15.1
129	13.5	8.9	13.3

Manual Integrations
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