

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040419\
 Data File : VL033557.D
 Acq On : 5 Apr 2019 8:26
 Operator : SY/AP
 Sample : K2226-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Manual Integrations
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 4/8/2019 3:22:35 AM

Quant Time: Apr 07 23:19:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1368371	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.28	114	3673316	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.23	117	3687280	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	2815802	9.74	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds					Ovalue
9) Propene	3.03	41	207934	3.143 ppbv	96
13) Ethanol	3.65	45	34242	2.000 ppbv	67
15) Acetone	3.89	43	913292	5.551 ppbv	95
27) Carbon Disulfide	4.61	76	18143	0.112 ppbv #	53
34) 2-Butanone	5.33	43	59716	0.271 ppbv	94
36) Benzene	6.99	78	47446	0.154 ppbv #	92
50) 4-Methyl-2-Pentanone	8.87	43	41855	0.130 ppbv	94
53) Toluene	9.94	91	104508	0.292 ppbv	99
58) Ethyl Benzene	12.85	91	37953	0.077 ppbv	92
59) m/p-Xylene	13.11	91	81206m	0.185 ppbv	
60) o-Xylene	13.83	91	27625m	0.065 ppbv	

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

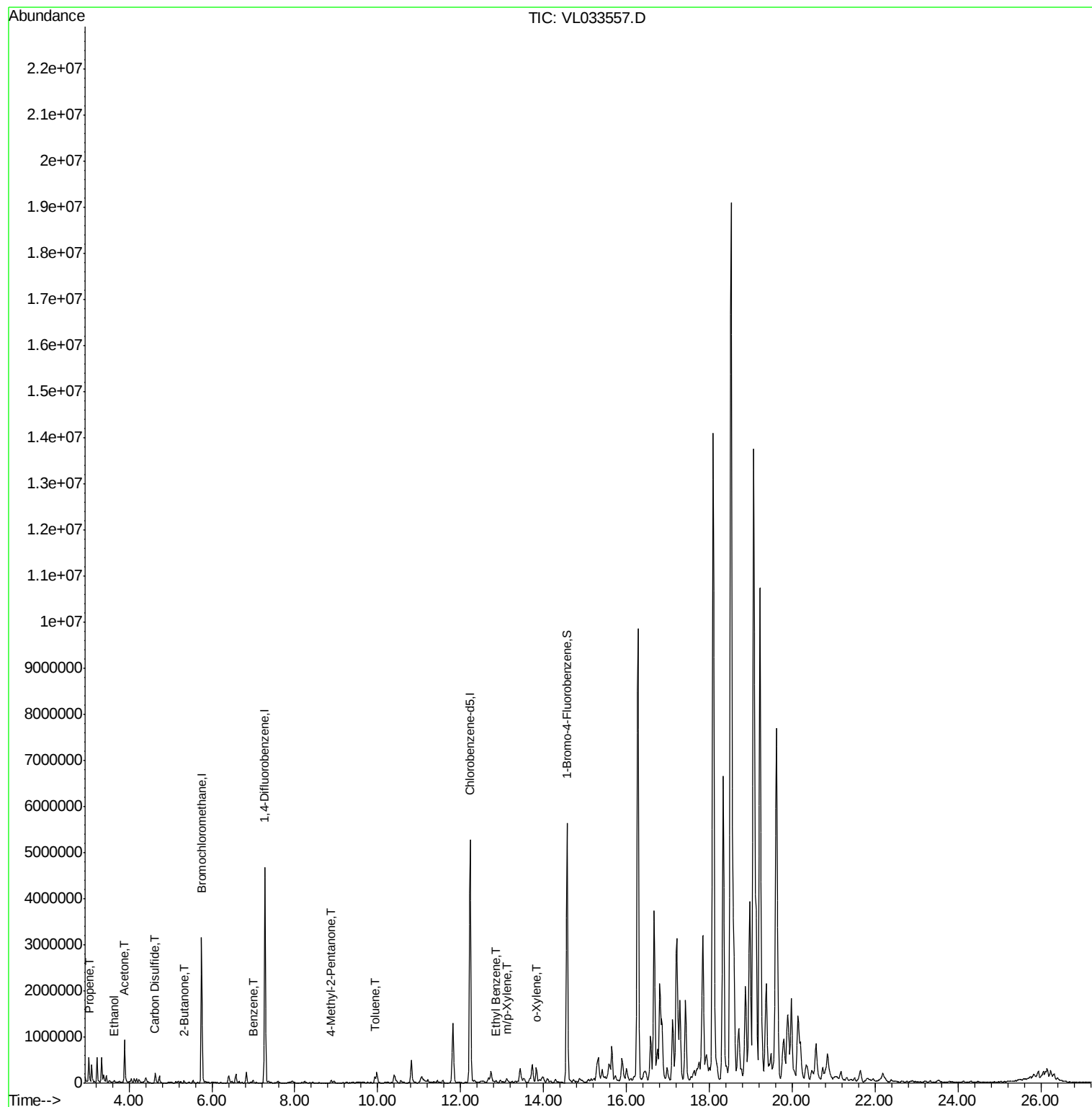
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040419\
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QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.02 min

Lab File: VL033557.D

Acq: 5 Apr 2019 8:26

Instrument :

MSVOA_L

ClientSampleID :

SV4DL

Tot Ion: 49 Resp: 1368371

Ion Ratio Lower Upper

49 100

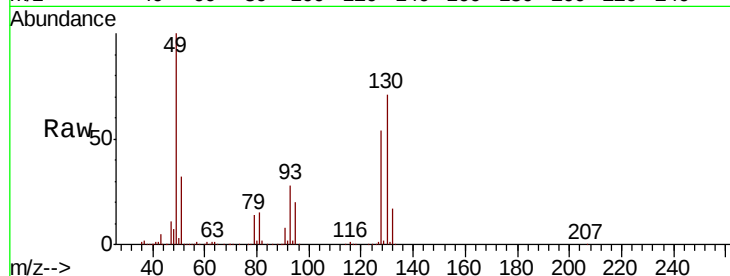
128 54.4 24.0 72.0

130 69.4 31.2 93.6

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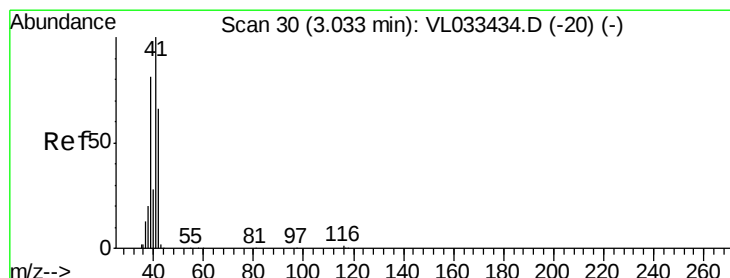
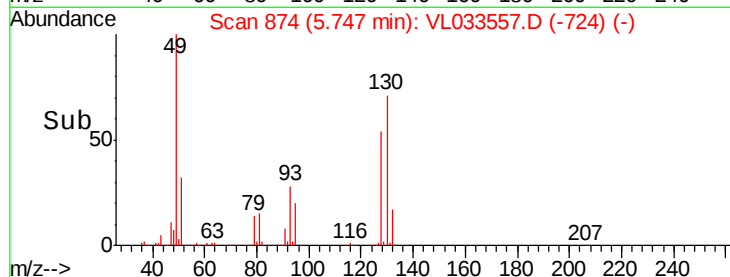
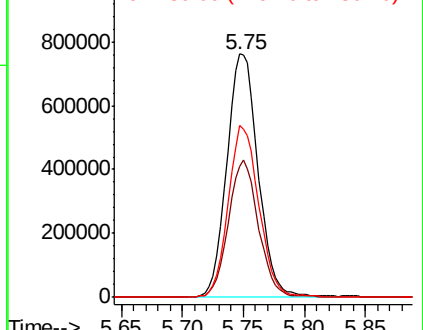
4/8/2019 3:22:35 AM



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: 3.143 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033557.D

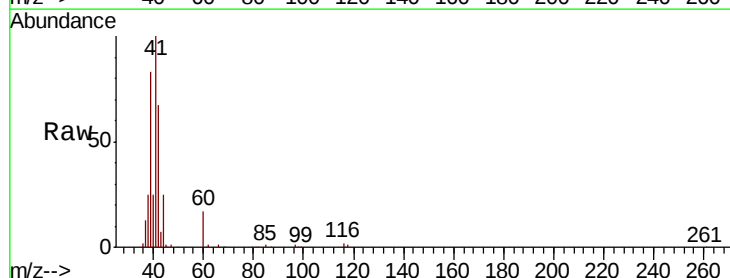
Acq: 5 Apr 2019 8:26

Tgt Ion: 41 Resp: 207934

Ion Ratio Lower Upper

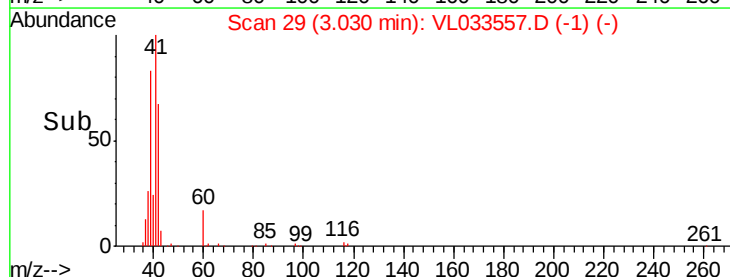
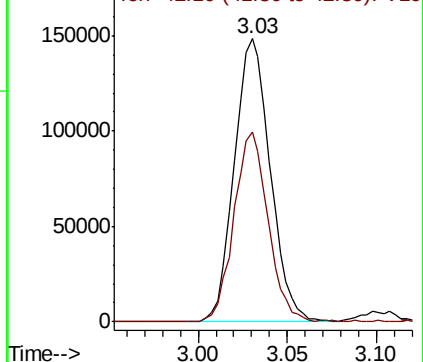
41 100

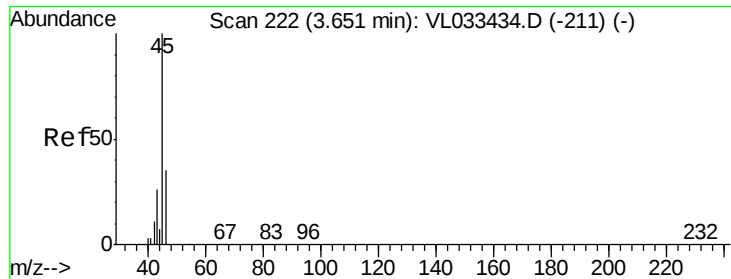
42 64.0 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





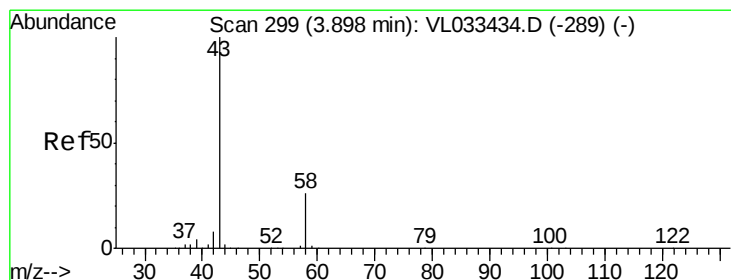
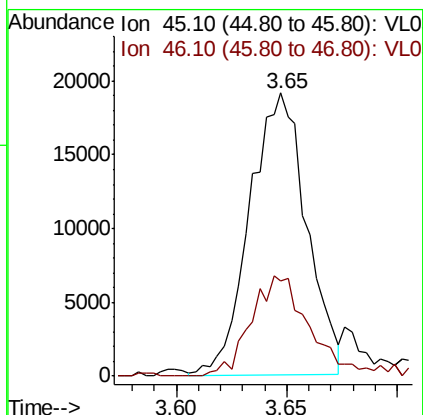
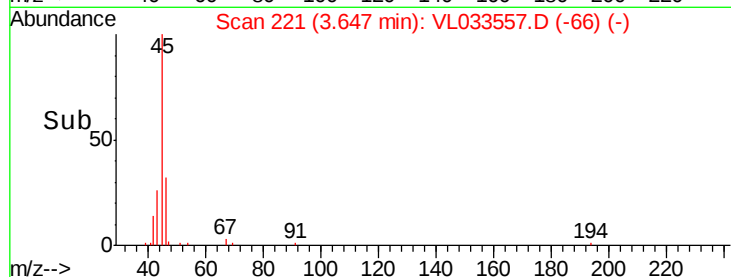
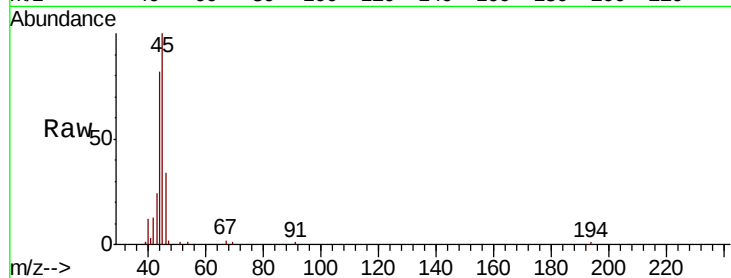
#13
Ethanol
Concen: 2.000 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tot Ion: 45 Resp: 34242
Ion Ratio Lower Upper
45 100
46 38.0 25.4 101.8

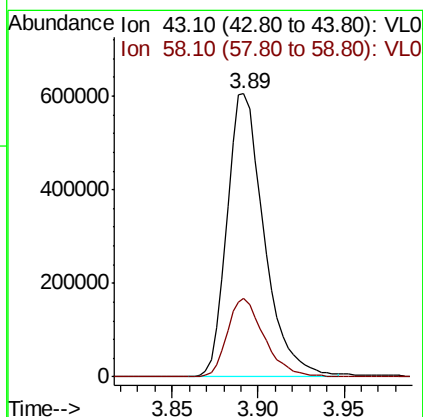
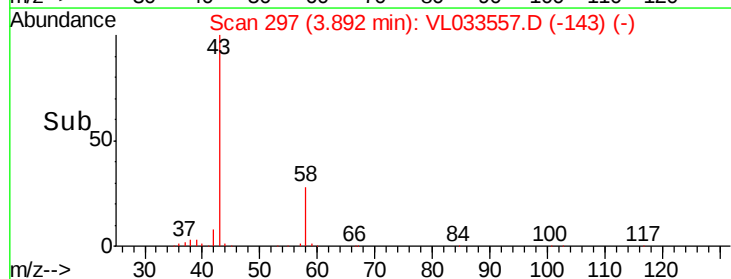
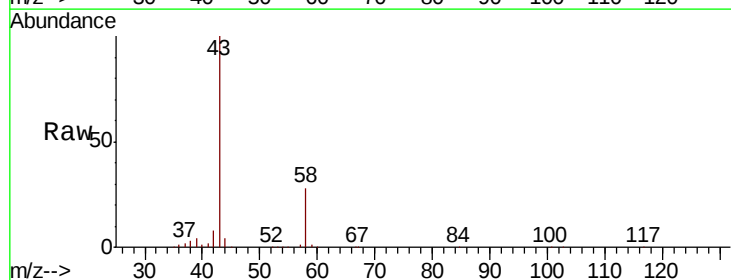
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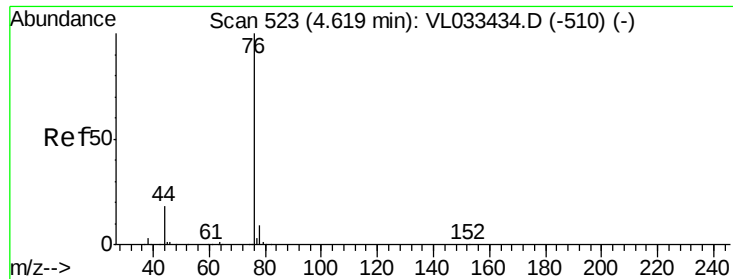
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#15
Acetone
Concen: 5.551 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Tgt Ion: 43 Resp: 913292
Ion Ratio Lower Upper
43 100
58 27.9 20.5 30.7





#27

Carbon Disulfide

Concen: 0.112 ppbv

RT: 4.61 min Scan# 521

Delta R.T. -0.01 min

Lab File: VL033557.D

Acq: 5 Apr 2019 8:26

Instrument :

MSVOA_L

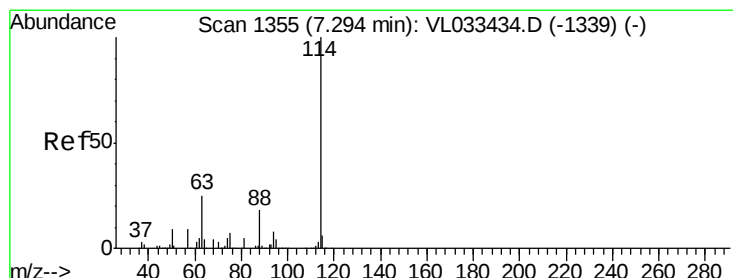
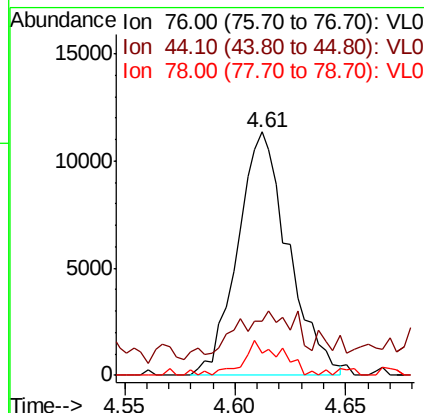
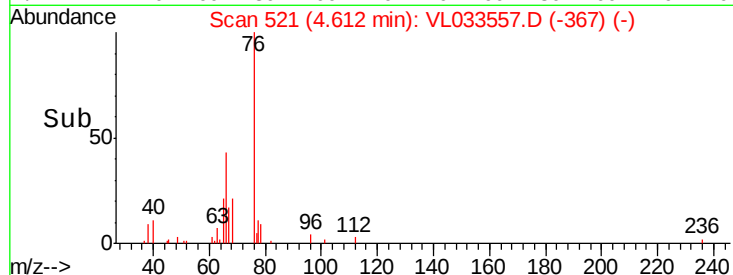
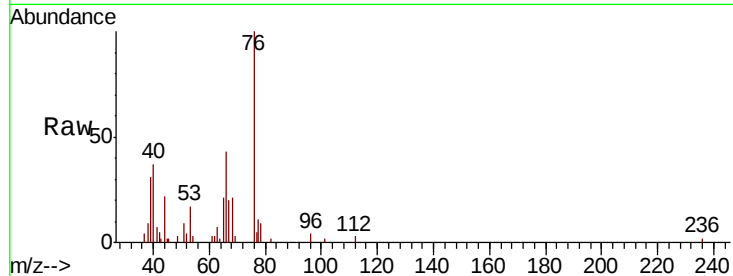
ClientSampleId :

SV4DL

Tot Ion:	76	Resp:	18143
Ion Ratio	Lower	Upper	
76	100		
44	48.3	14.8	22.2#
78	12.3	7.6	11.4#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

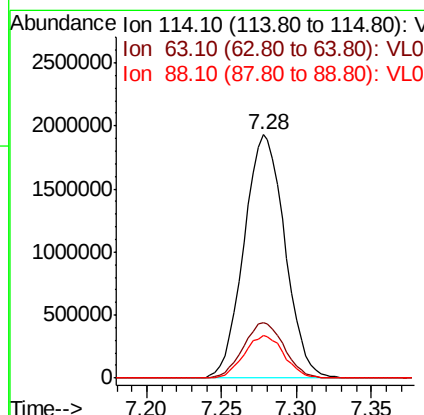
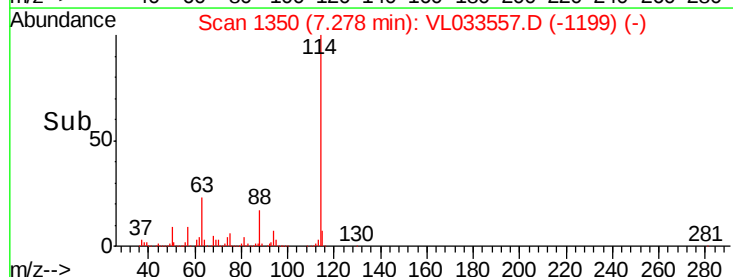
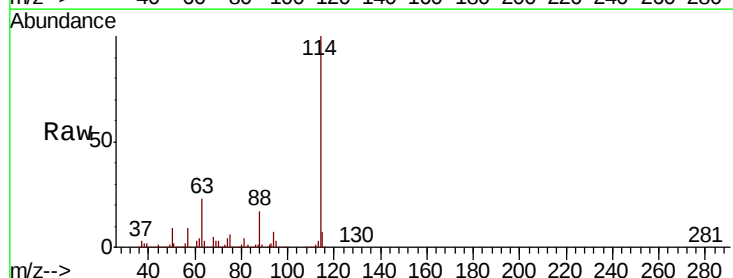
RT: 7.28 min Scan# 1350

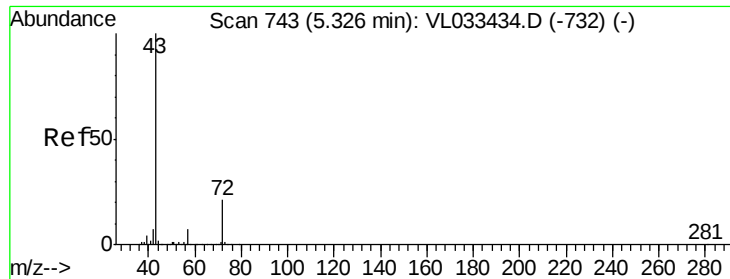
Delta R.T. -0.02 min

Lab File: VL033557.D

Acq: 5 Apr 2019 8:26

Tgt Ion:	114	Resp:	3673316
Ion Ratio	Lower	Upper	
114	100		
63	22.9	21.5	32.3
88	17.3	14.5	21.7





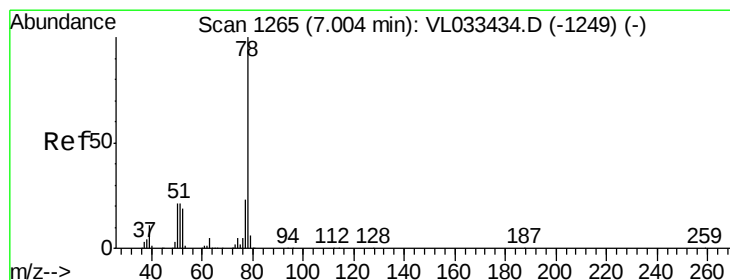
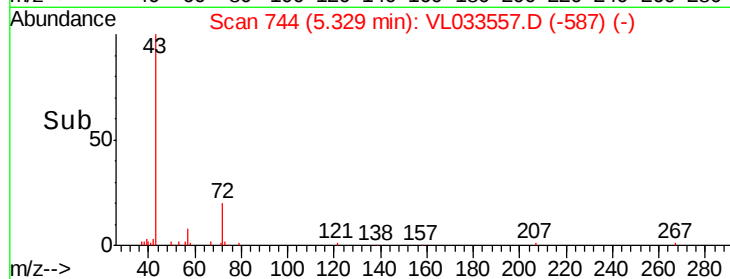
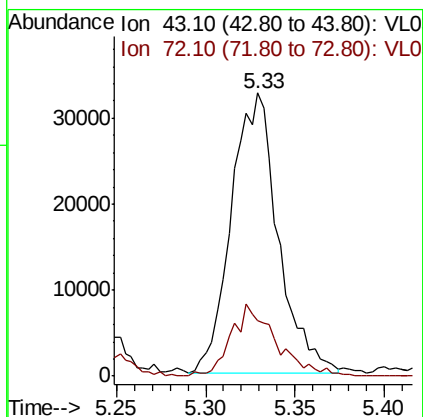
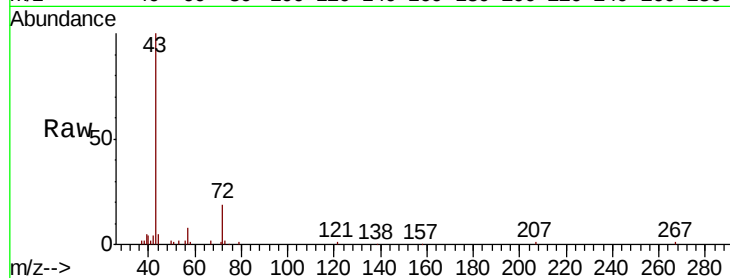
#34
2-Butanone
Concen: 0.271 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.6	17.4	26.2

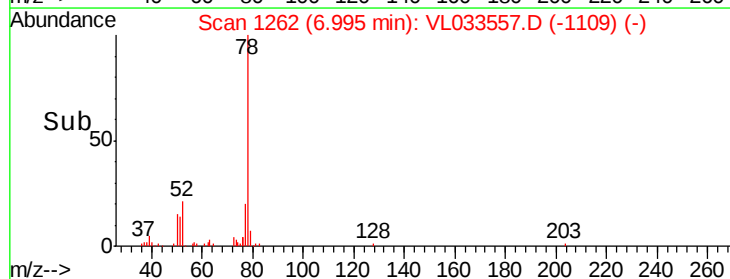
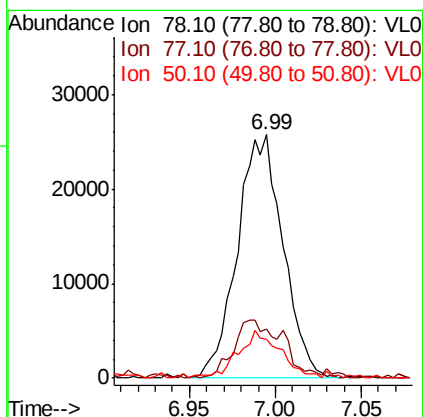
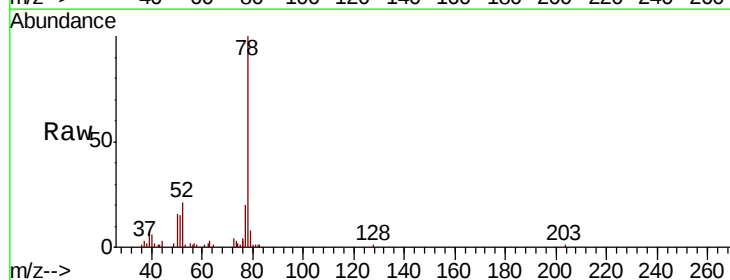
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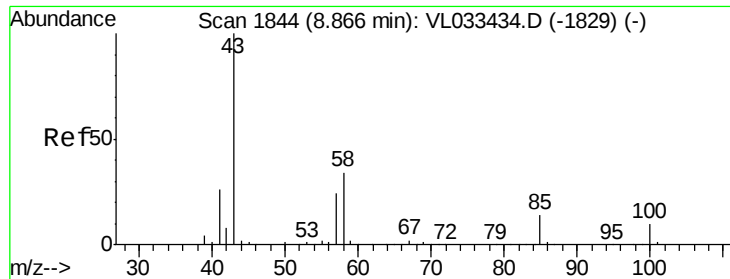
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#36
Benzene
Concen: 0.154 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.1	18.1	27.1
50	15.8	16.7	25.1#





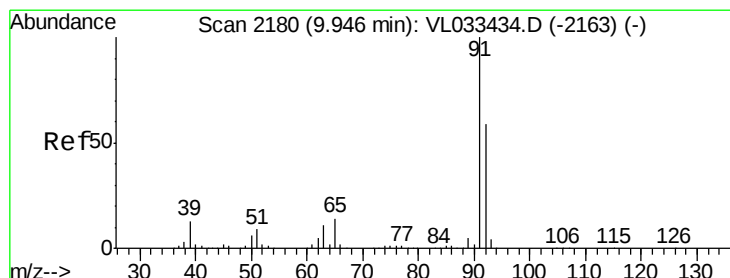
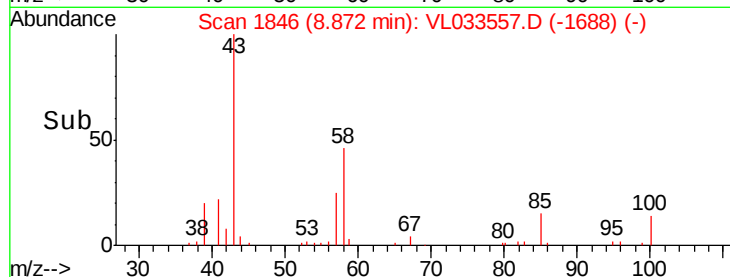
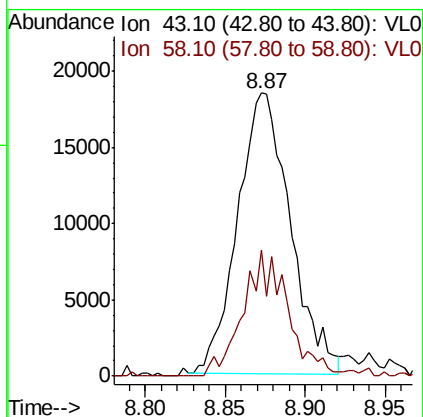
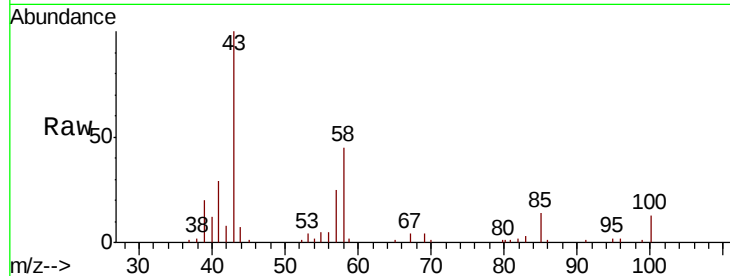
#50
4-Methyl-2-Pentanone
Concen: 0.130 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tot Ion	43	58	Resp	Lower	Upper
41855	100	38.2		28.0	42.0

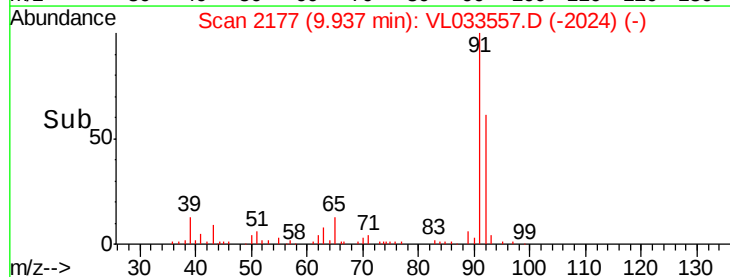
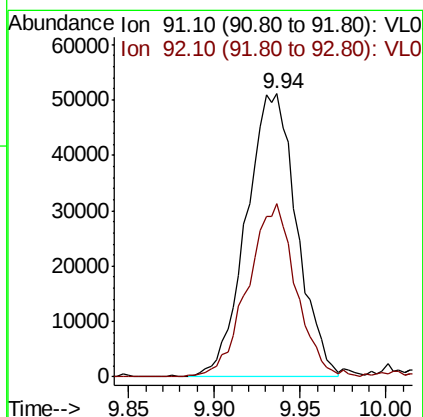
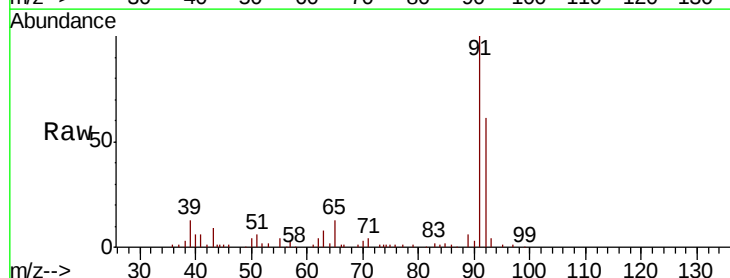
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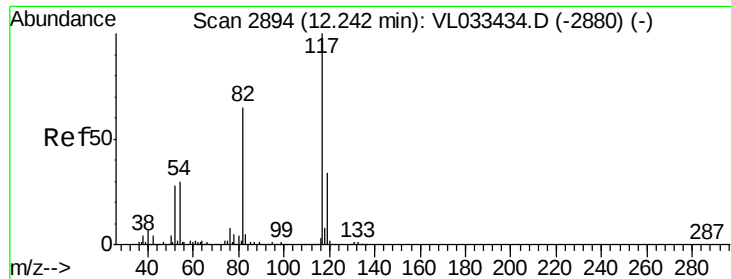
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#53
Toluene
Concen: 0.292 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Tgt Ion	91	92	Resp	Lower	Upper
104508	100	58.1		47.4	71.0





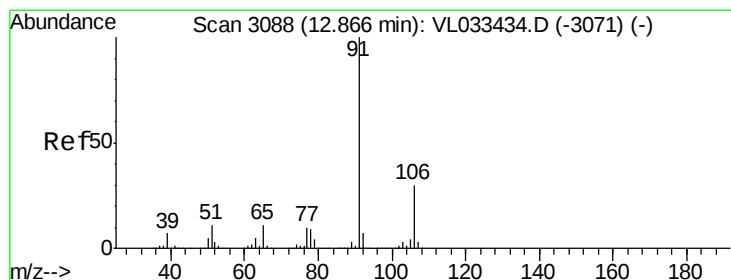
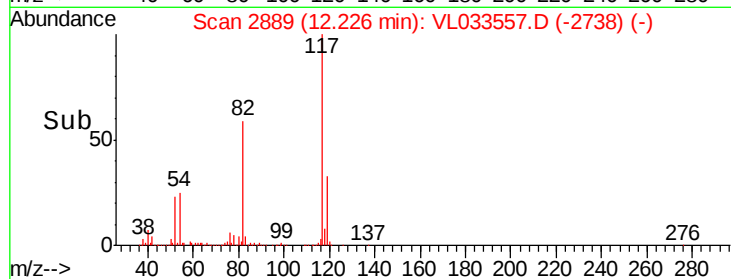
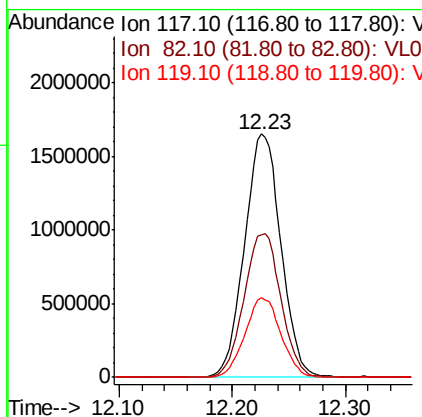
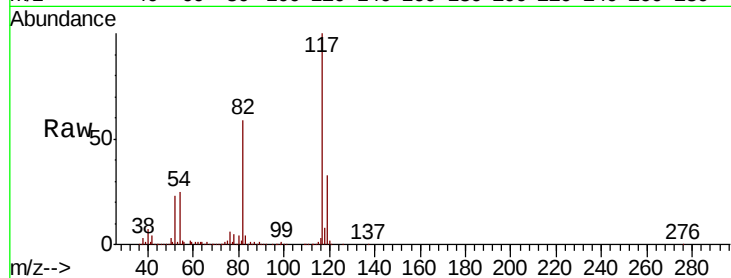
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	51.5	77.3
119	32.5	25.5	38.3

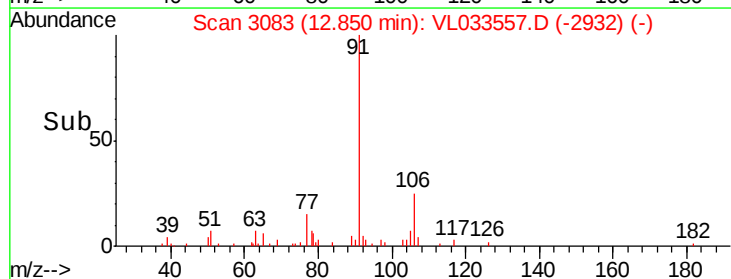
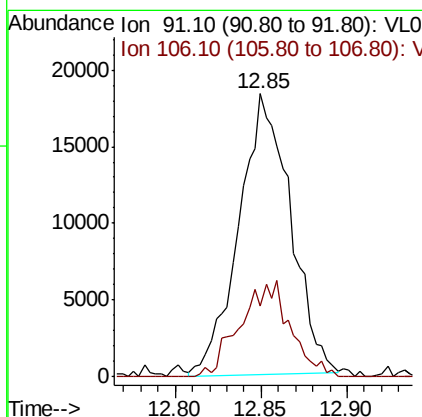
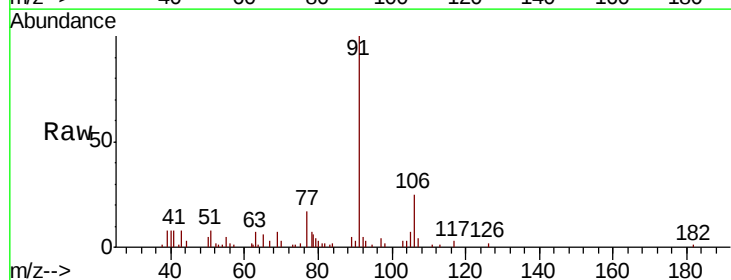
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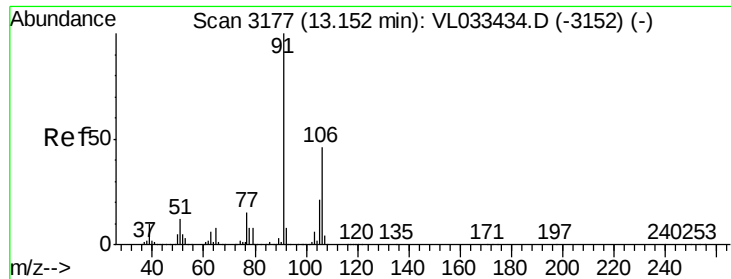
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#58
Ethyl Benzene
Concen: 0.077 ppbv
RT: 12.85 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.6	23.8	35.6





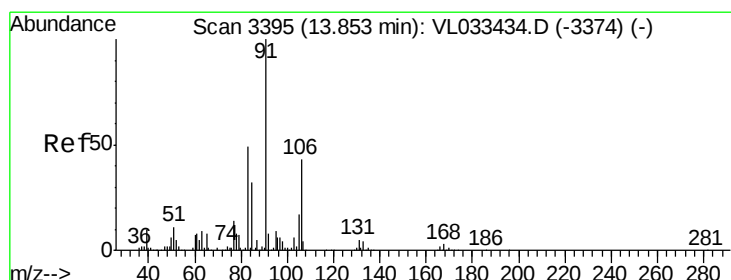
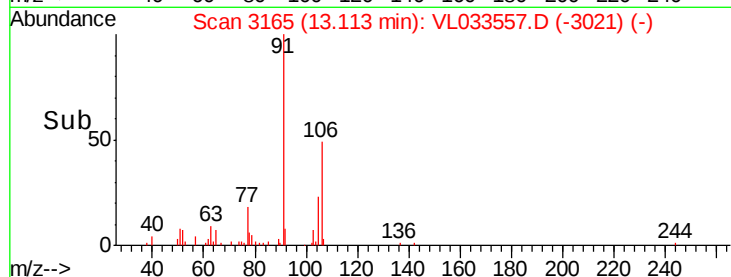
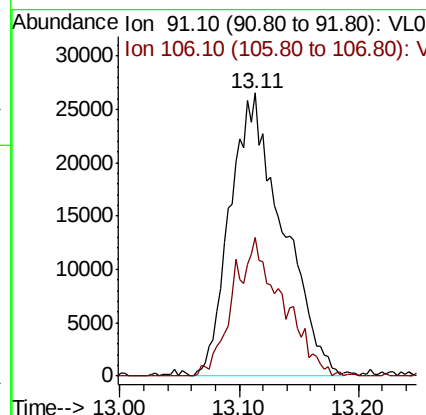
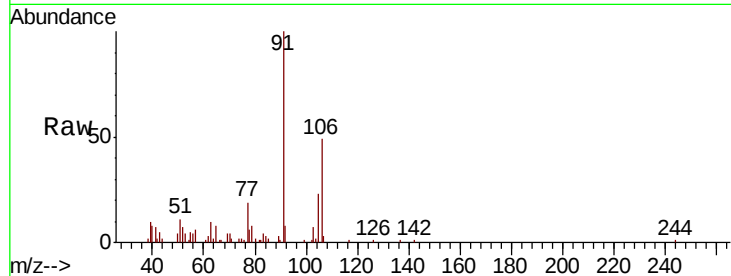
#59
m/p-Xylene
Concen: 0.185 ppbv m
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

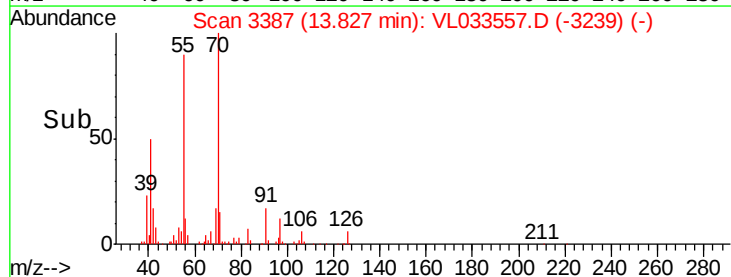
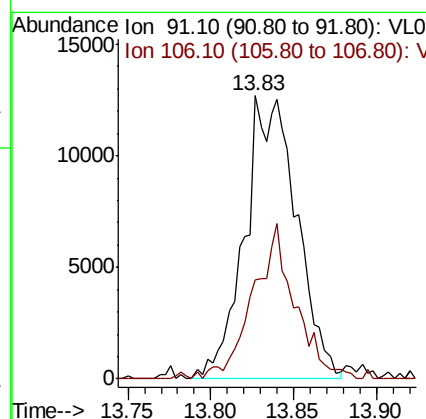
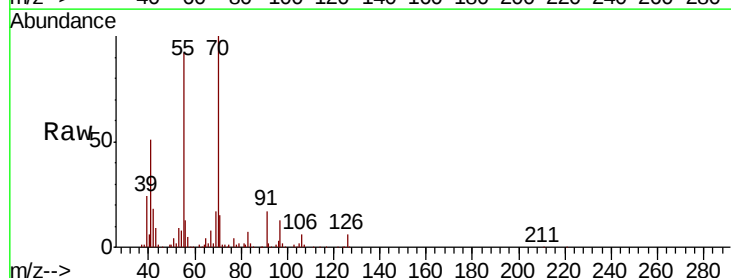
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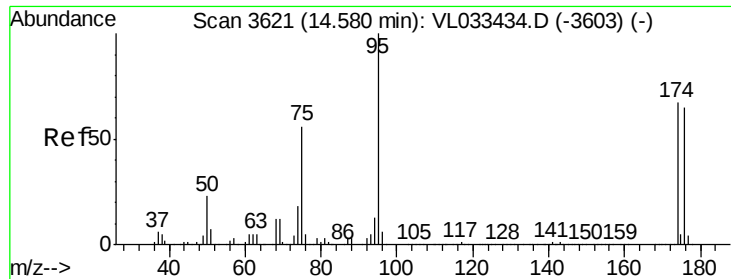
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#60
o-Xylene
Concen: 0.065 ppbv m
RT: 13.83 min Scan# 3387
Delta R.T. -0.03 min
Lab File: VL033557.D
Acq: 5 Apr 2019 8:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	45.4	21.4	64.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.741 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.02 min
 Lab File: VL033557.D
 Acq: 5 Apr 2019 8:26

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.4	52.9	79.3
175	5.2	3.8	5.6

Manual Integrations
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