

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032019\
 Data File : VL033416.D
 Acq On : 21 Mar 2019 10:14
 Operator : SY/AP
 Sample : K1975-03DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

Manual Integrations
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 3/25/2019 8:27:14 AM

Quant Time: Mar 24 16:32:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	674292	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1598546	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1540502	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1183788	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.25	43	56252	0.656	ppbv	97
13) Ethanol	3.65	45	143788	8.730	ppbv	98
15) Acetone	3.90	43	1341794m	12.801	ppbv	
26) Hexane	5.78	57	127064	1.865	ppbv #	39
30) Cyclohexane	7.25	84	19679	0.360	ppbv	89
34) 2-Butanone	5.34	43	48842	0.465	ppbv	96
36) Benzene	7.00	78	53042m	0.371	ppbv	
44) 2,2,4-Trimethylpentane	7.99	57	120321	0.508	ppbv #	77
52) Tetrachloroethene	11.37	164	1104614	18.534	ppbv	98
53) Toluene	9.95	91	1123141	6.909	ppbv	99
58) Ethyl Benzene	12.87	91	41037	0.188	ppbv	89
59) m/p-Xylene	13.12	91	145294	0.776	ppbv #	100
60) o-Xylene	13.85	91	49301m	0.270	ppbv	
74) 1,2,4-Trimethylbenzene	16.93	105	66374	0.310	ppbv #	65

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

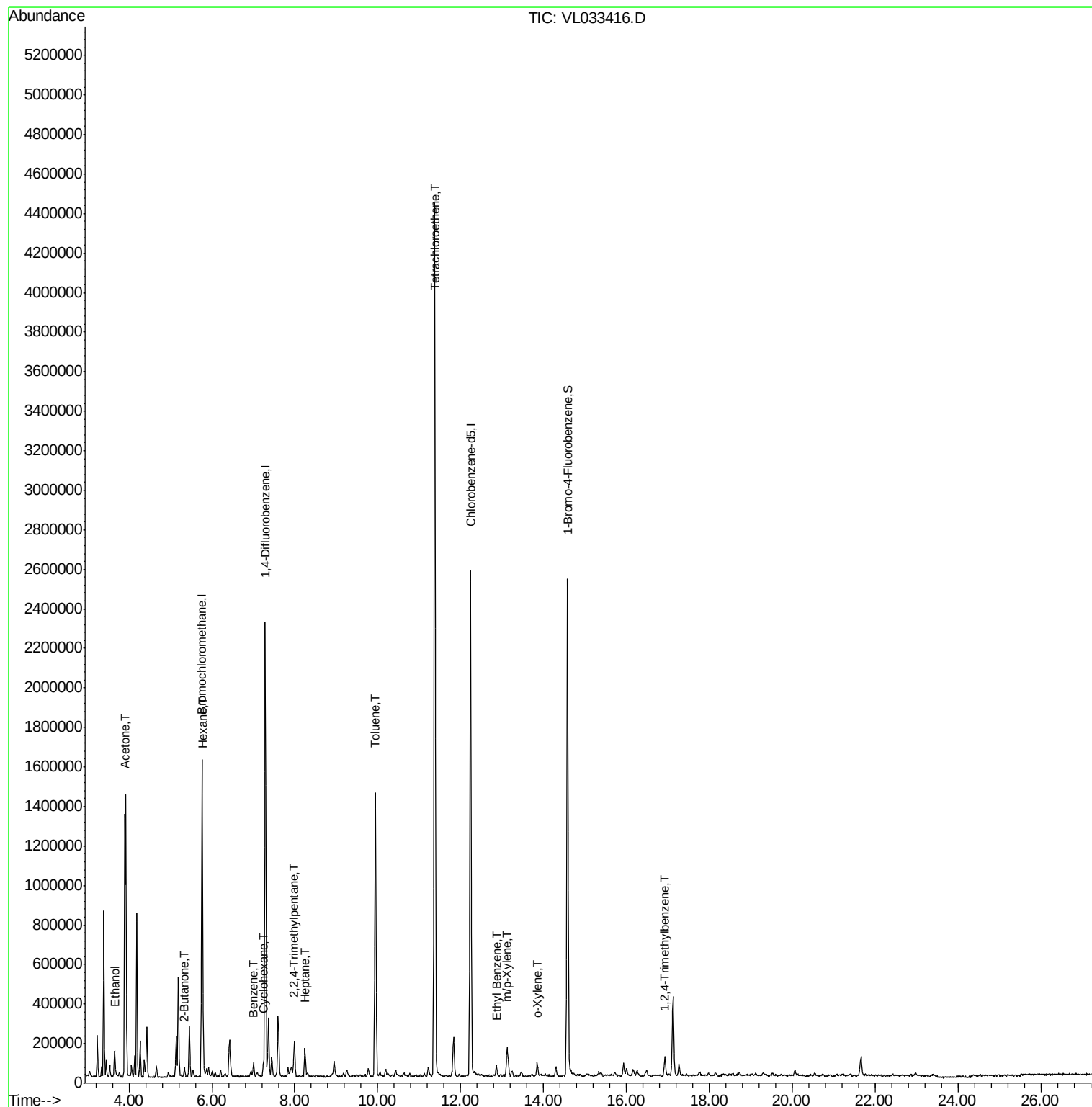
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032019\
Data File : VL033416.D
Acq On : 21 Mar 2019 10:14
Operator : SY/AP
Sample : K1975-03DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

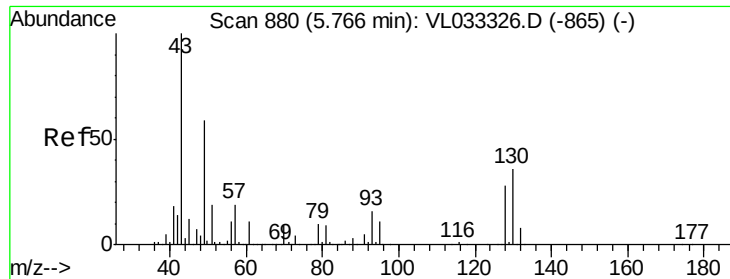
Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

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3/25/2019 8:27:14 AM

Quant Time: Mar 24 16:32:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033416.D

Acq: 21 Mar 2019 10:14

Instrument :

MSVOA_L

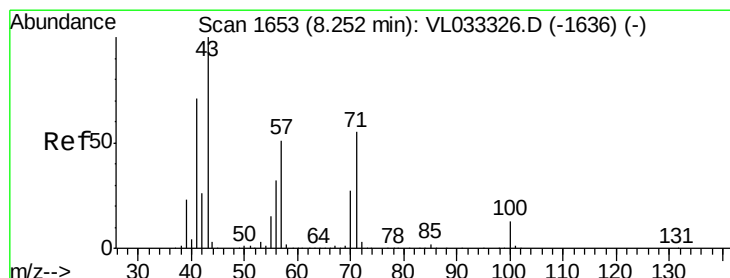
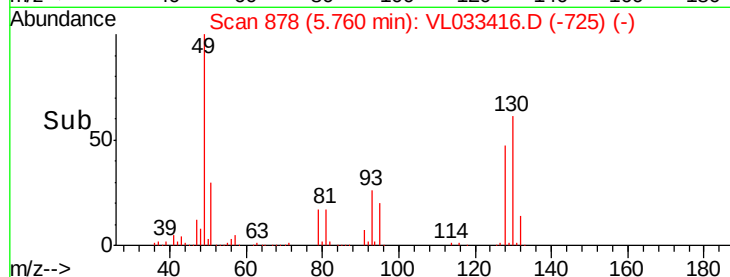
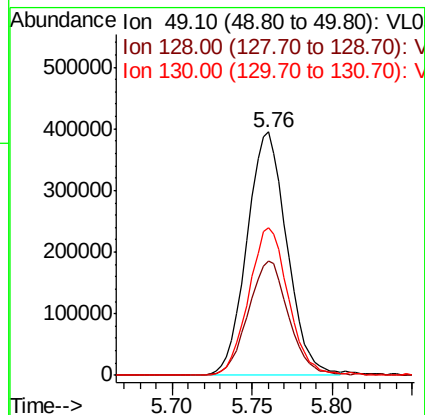
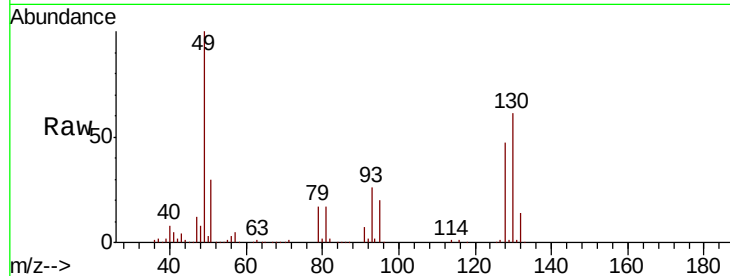
ClientSampled :

IA2DL2

Tot Ion	Ratio	Lower	Upper
49	100		
128	47.9	23.5	70.6
130	61.2	30.1	90.3

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#10

Heptane

Concen: 0.656 ppbv

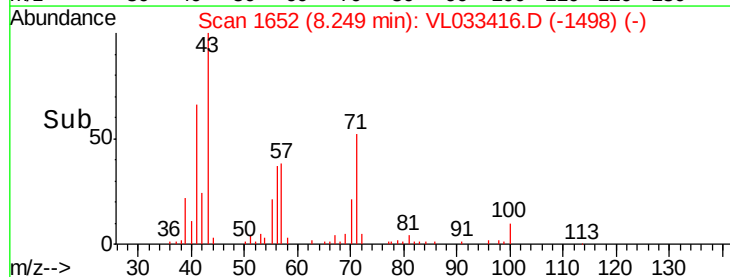
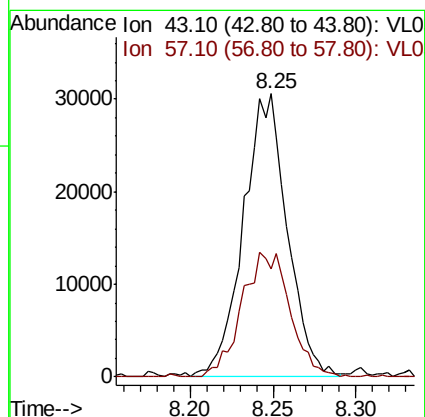
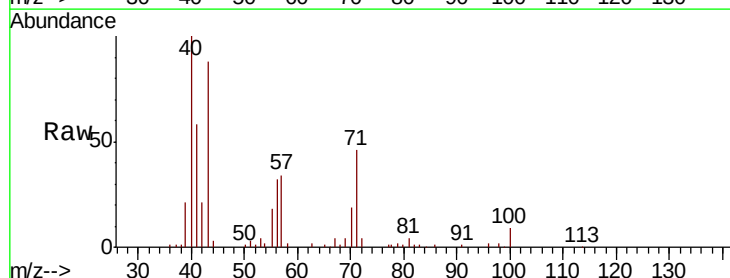
RT: 8.25 min Scan# 1652

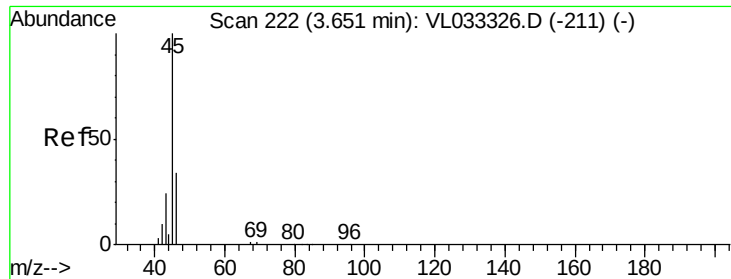
Delta R.T. -0.00 min

Lab File: VL033416.D

Acq: 21 Mar 2019 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	48.5	40.4	60.6





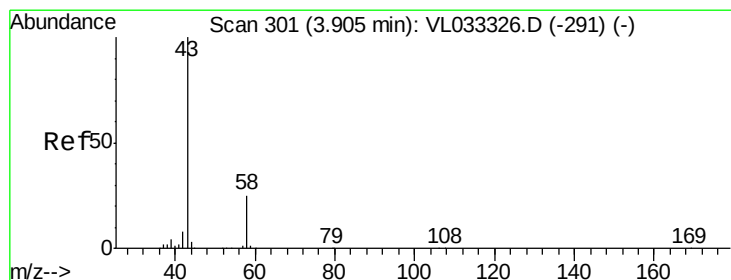
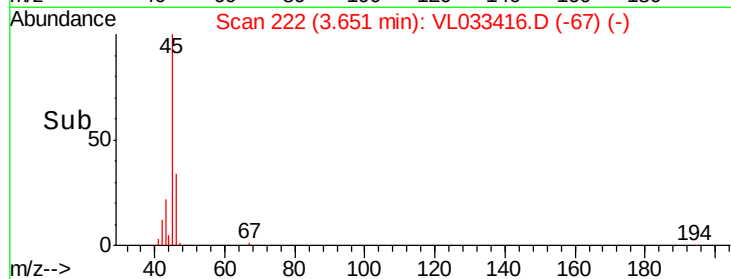
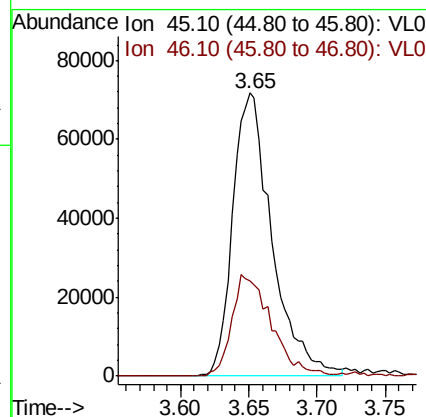
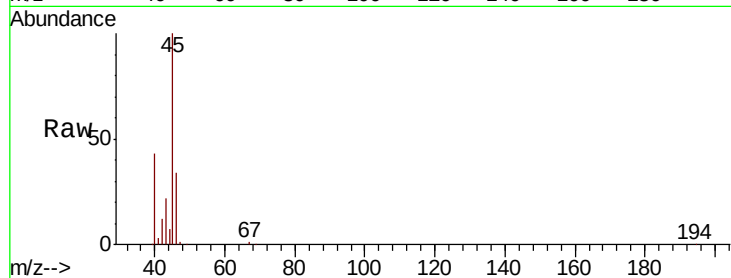
#13
Ethanol
Concen: 8.730 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

Tot Ion	45	Resp	143788
Ion Ratio	100	Lower	Upper
46	36.0	14.9	59.7

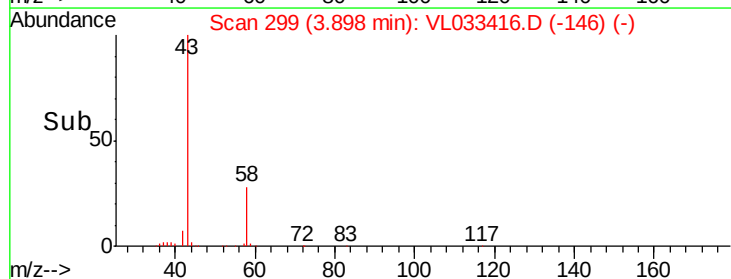
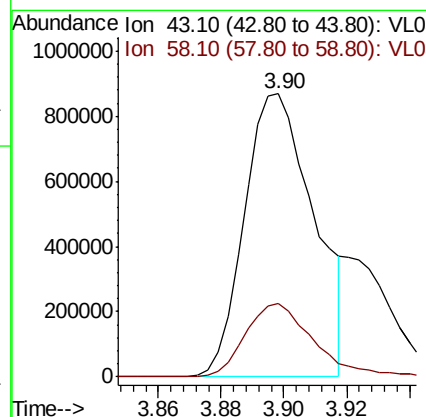
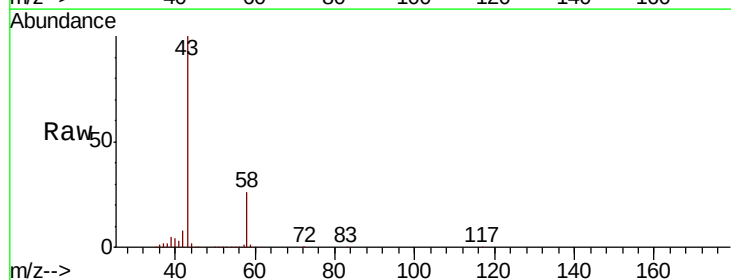
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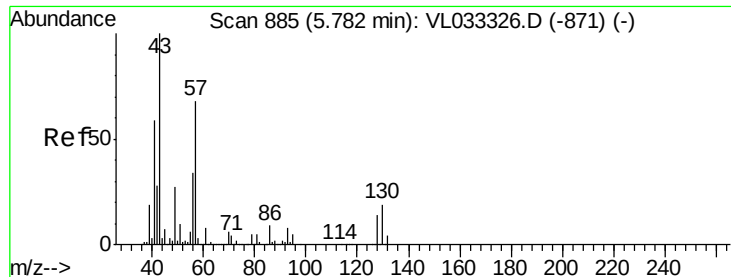
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#15
Acetone
Concen: 12.801 ppbv m
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Tgt Ion	43	Resp	1341794
Ion Ratio	100	Lower	Upper
58	25.8	20.4	30.6





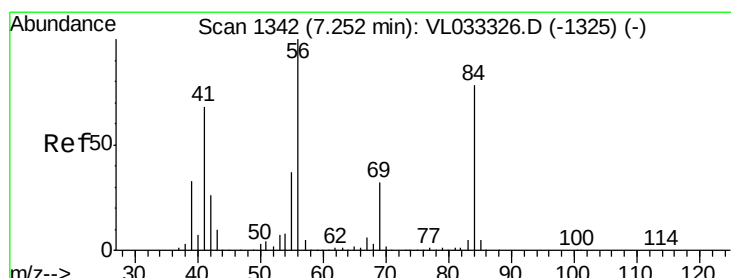
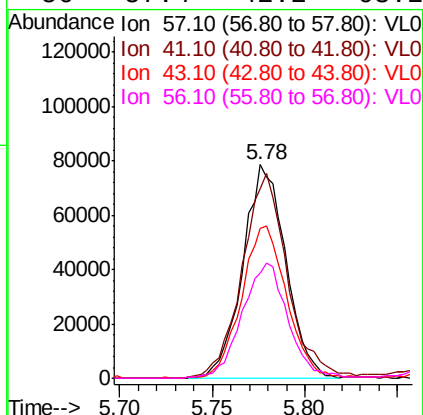
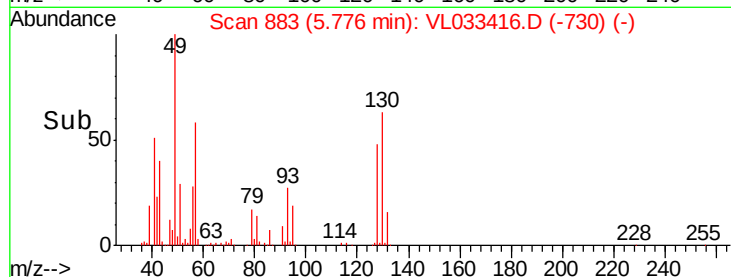
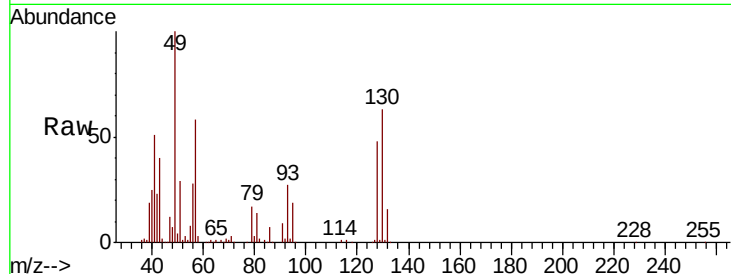
#26
Hexane
Concen: 1.865 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Instrument :
MSVOA_L
ClientSampled :
IA2DL2

Tot Ion	Ion	Ratio	Lower	Upper
57	100			
41	100.5	70.5	105.7	
43	75.0	181.8	272.8#	
56	57.4	42.2	63.2	

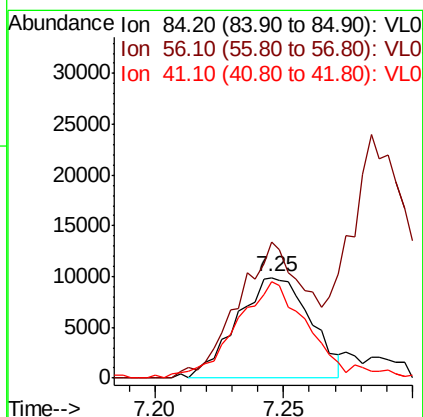
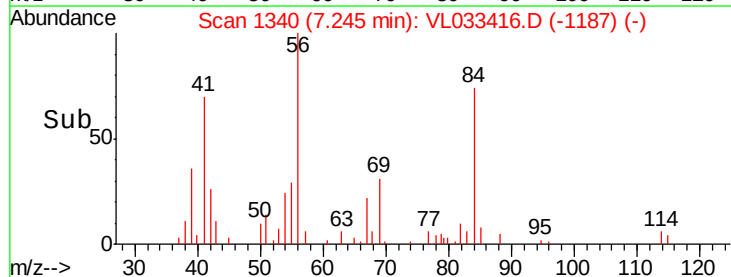
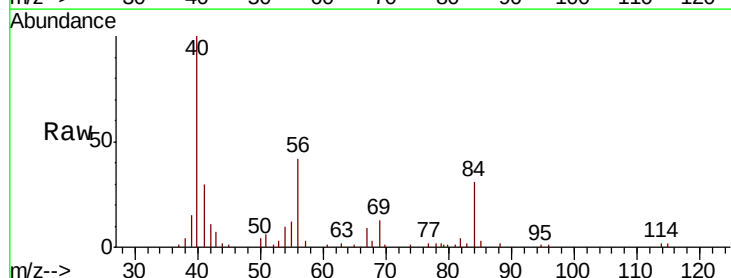
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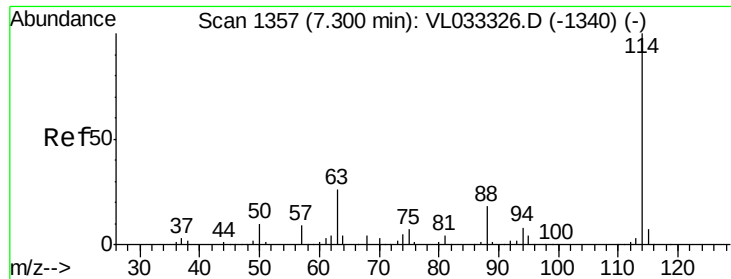
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#30
Cyclohexane
Concen: 0.360 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Tgt Ion	Ion	Ratio	Lower	Upper
84	100			
56	124.2	111.3	166.9	
41	95.5	69.6	104.4	





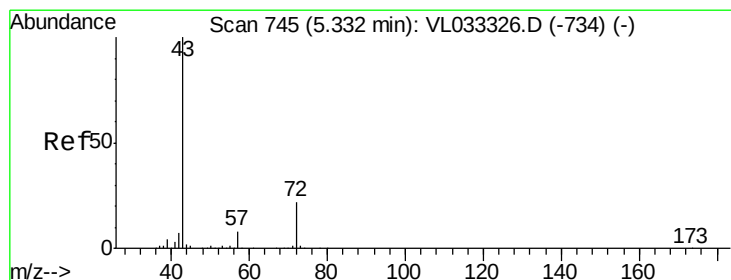
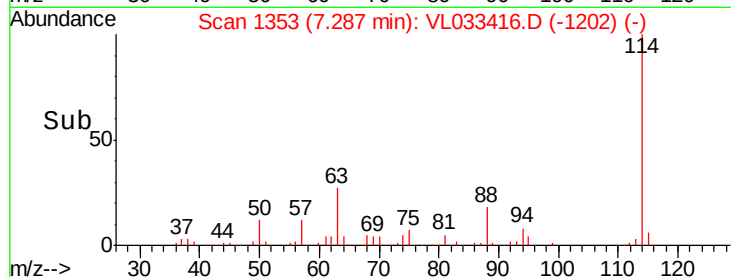
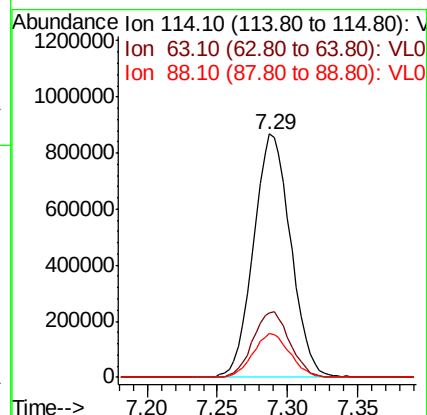
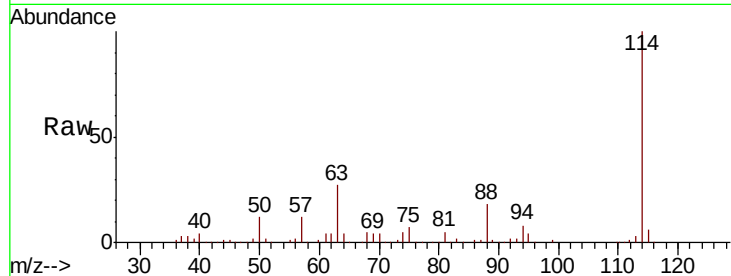
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033416.D
 Acq: 21 Mar 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.4	32.2
88	18.1	14.5	21.7

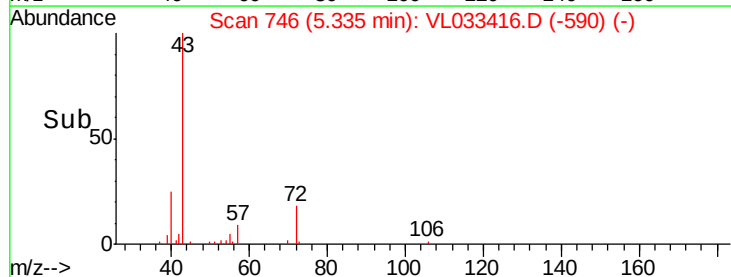
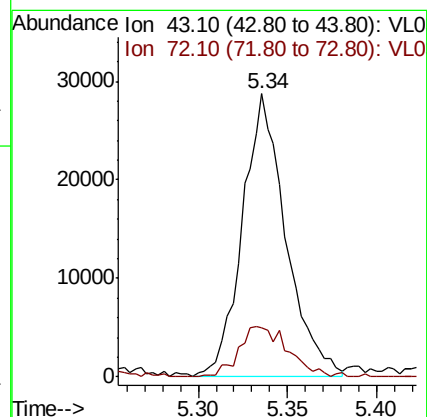
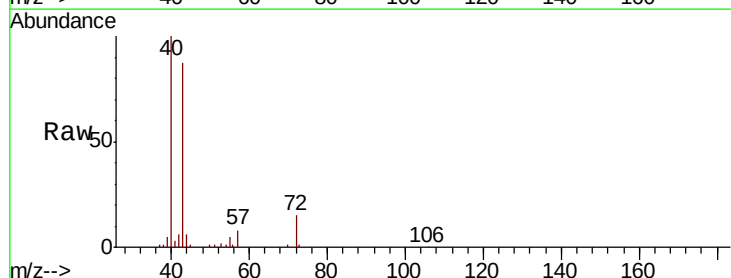
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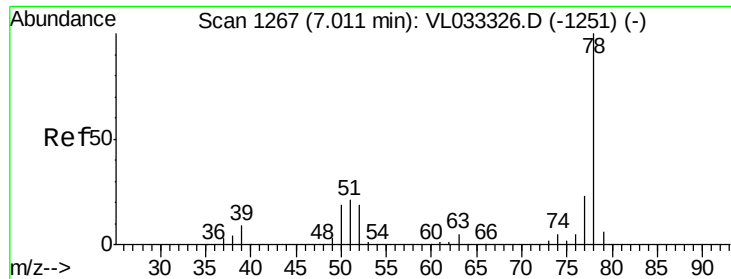
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#34
 2-Butanone
 Concen: 0.465 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VL033416.D
 Acq: 21 Mar 2019 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.2	17.7	26.5





#36

Benzene

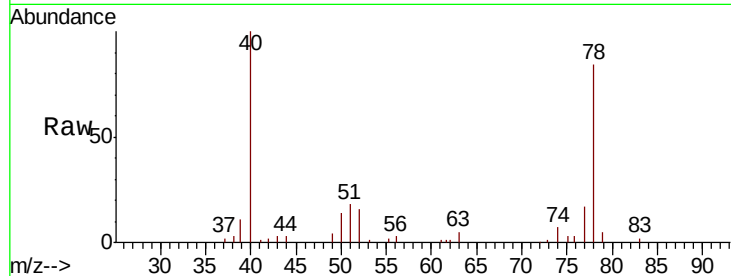
Concen: 0.371 ppbv m
 RT: 7.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VL033416.D
 Acq: 21 Mar 2019 10:14

Instrument :
 MSVOA_L
 ClientSampled :
 IA2DL2

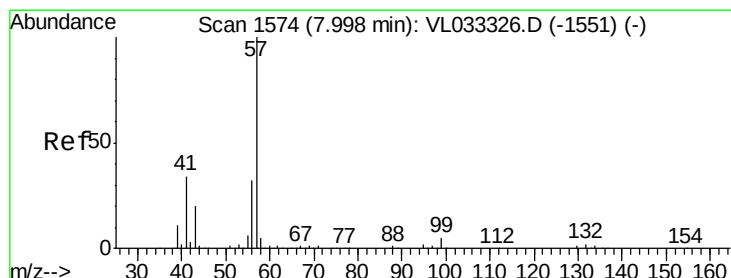
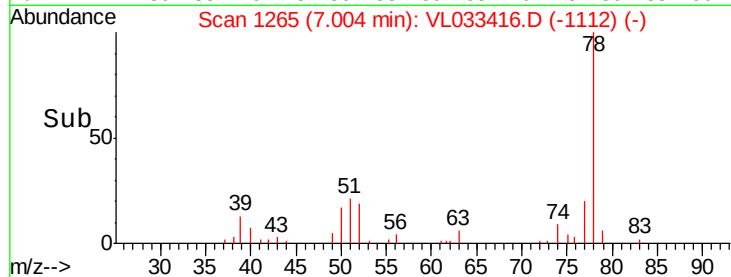
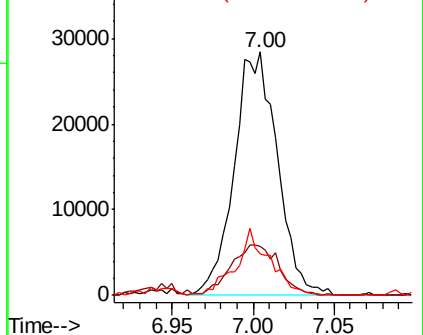
Tot Ion	Ratio	Lower	Upper
78	100		
77	20.3	18.1	27.1
50	17.2	15.2	22.8

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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

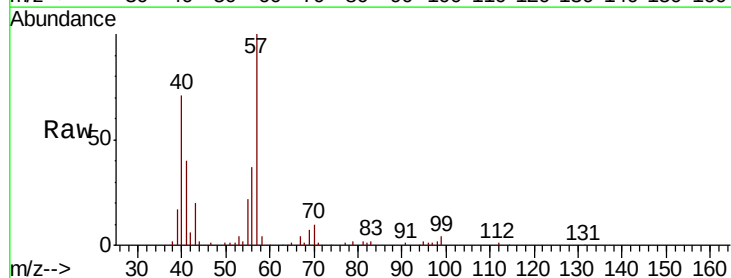


#44

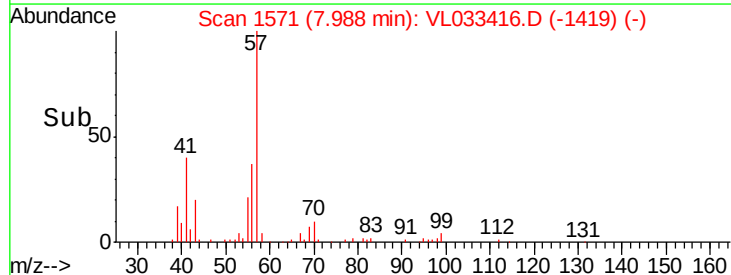
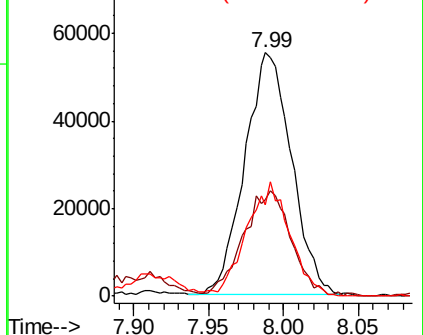
2,2,4-Trimethylpentane

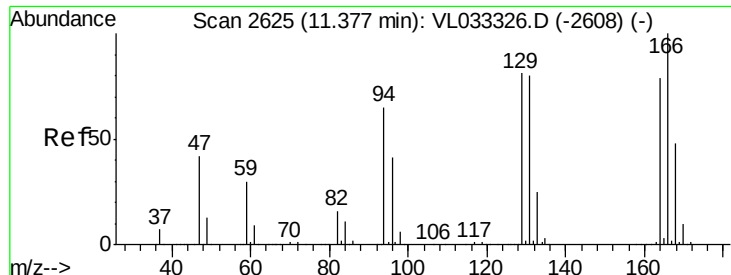
Concen: 0.508 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL033416.D
 Acq: 21 Mar 2019 10:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	45.1	26.0	39.0#
56	43.6	24.6	36.8#



Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0





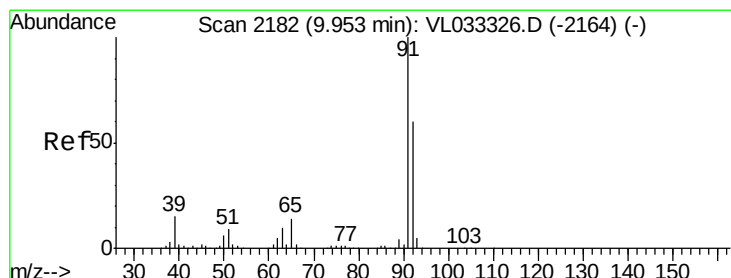
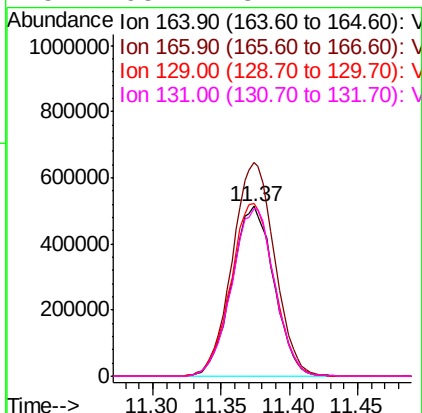
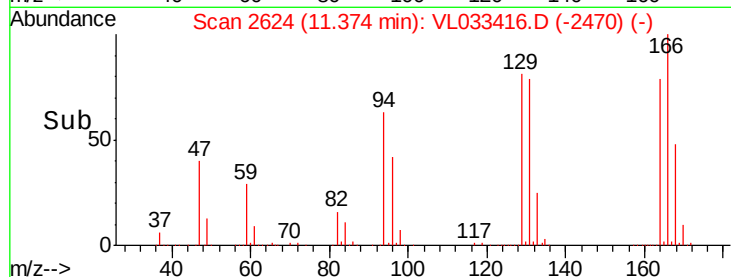
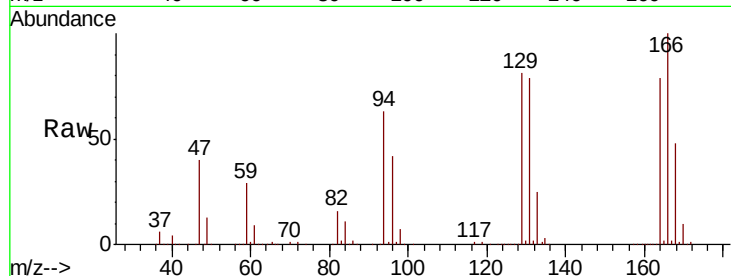
#52
Tetrachloroethene
Concen: 18.534 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Instrument :
MSVOA_L
ClientSampled :
IA2DL2

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.5	101.5	152.3
129	101.7	82.2	123.2
131	98.7	81.1	121.7

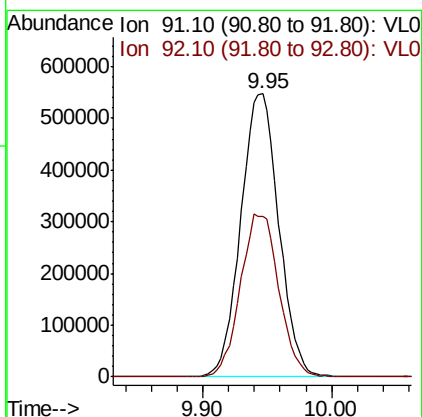
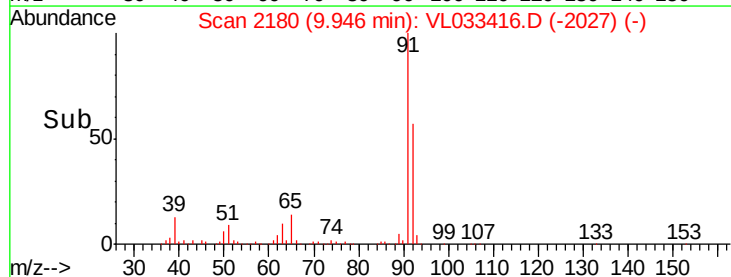
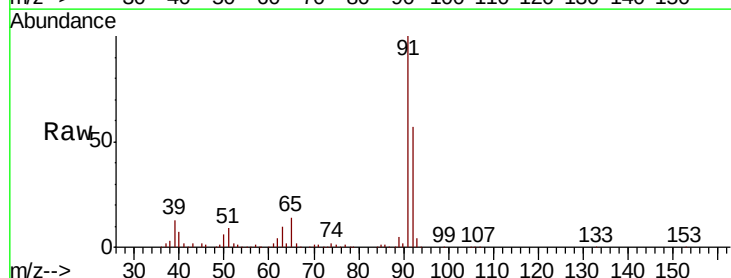
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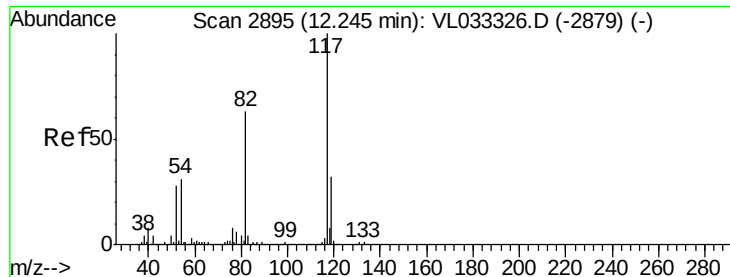
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#53
Toluene
Concen: 6.909 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.2	47.4	71.0





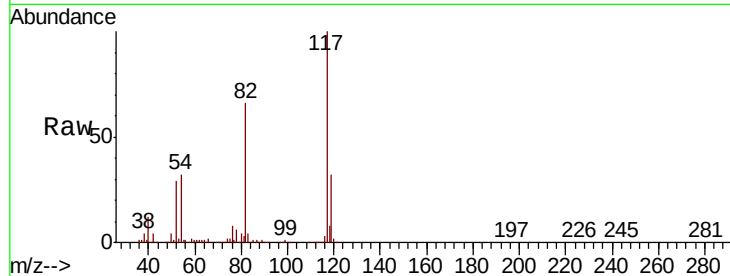
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Instrument :
MSVOA_L
ClientSampled :
IA2DL2

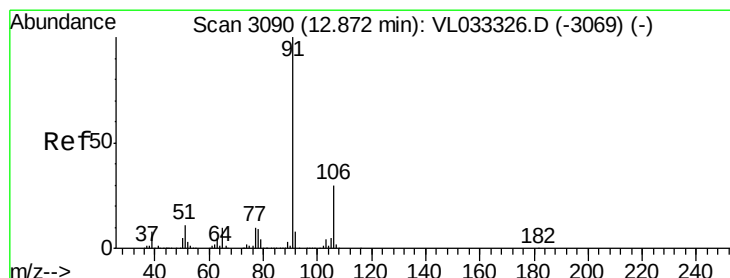
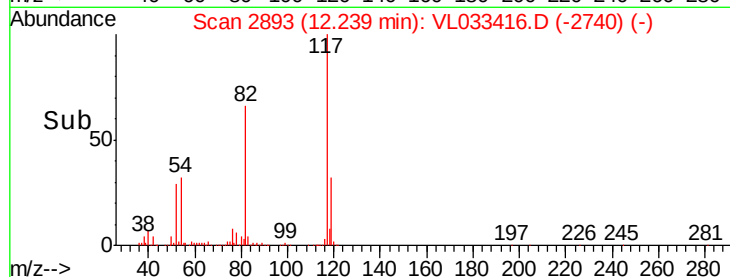
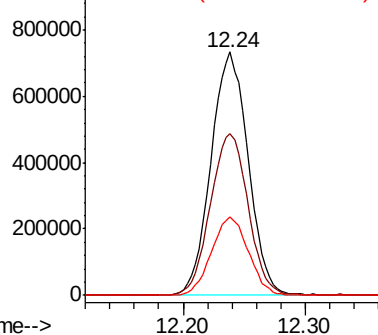
Tot Ion:117 Resp: 1540502
Ion Ratio Lower Upper
117 100
82 68.1 53.4 80.2
119 32.2 27.3 40.9

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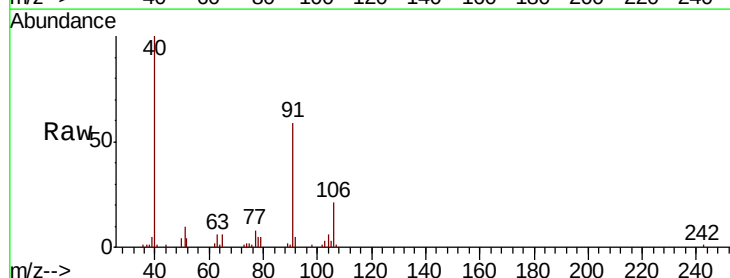


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

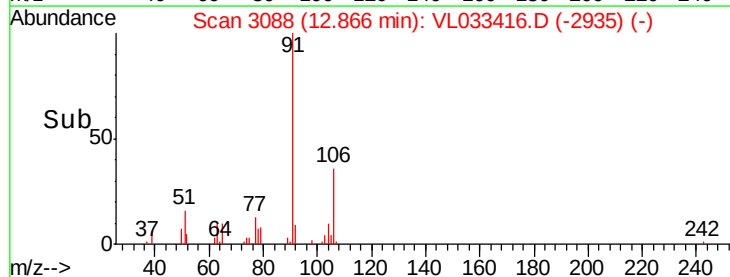
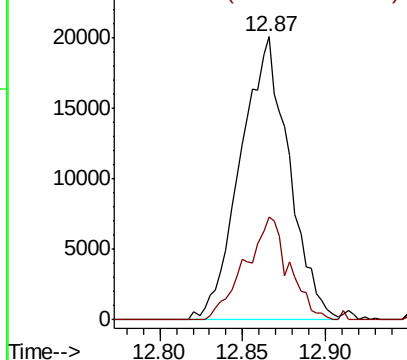


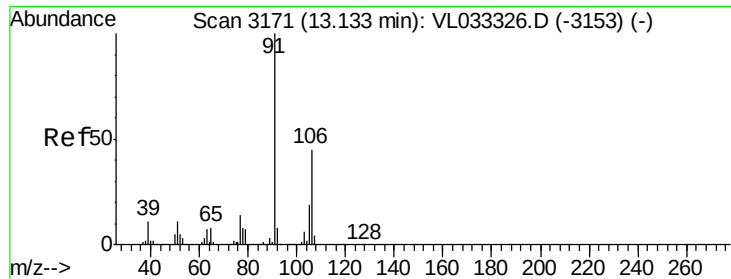
#58
Ethyl Benzene
Concen: 0.188 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Tgt Ion: 91 Resp: 41037
Ion Ratio Lower Upper
91 100
106 36.2 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





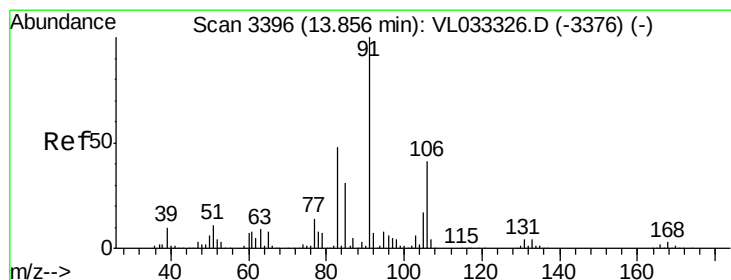
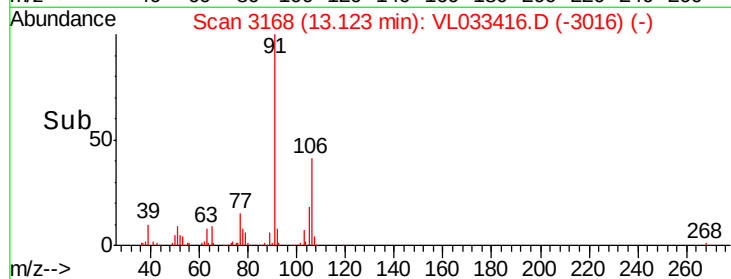
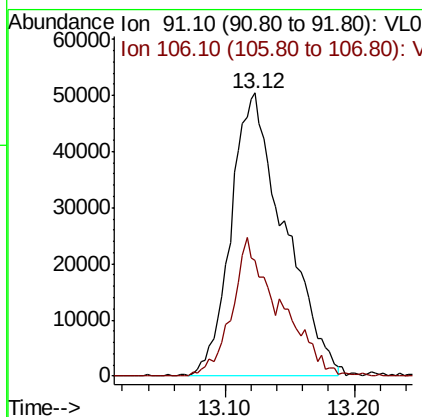
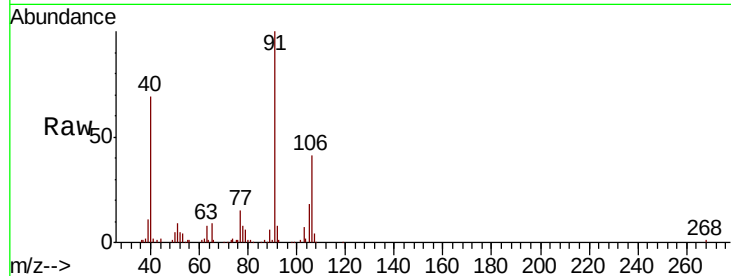
#59
m/p-Xylene
Concen: 0.776 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Instrument :
MSVOA_L
ClientSampled :
IA2DL2

Tot Ion: 91 Resp: 145294
Ion Ratio Lower Upper
91 100
106 43.7 0.0 0.0#

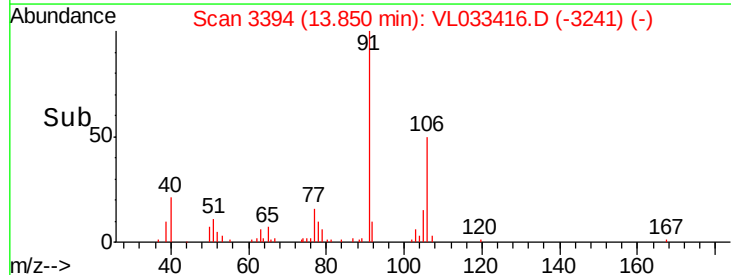
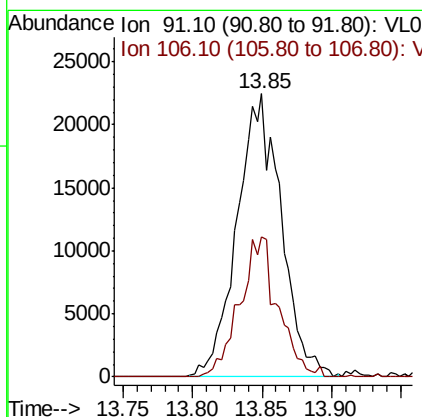
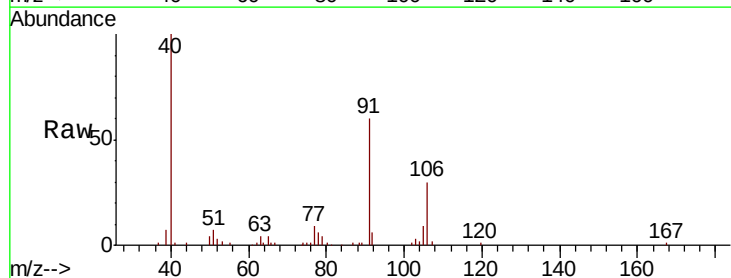
Manual Integrations
APPROVED

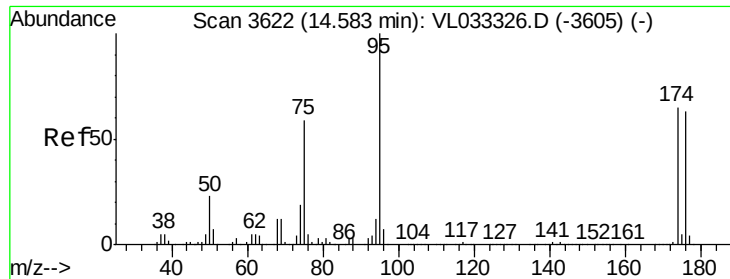
MMDadoda
3/25/2019 8:27:14 AM



#60
o-Xylene
Concen: 0.270 ppbv m
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033416.D
Acq: 21 Mar 2019 10:14

Tgt Ion: 91 Resp: 49301
Ion Ratio Lower Upper
91 100
106 43.0 21.3 63.9





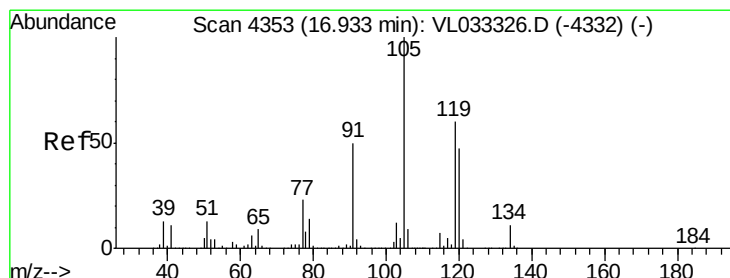
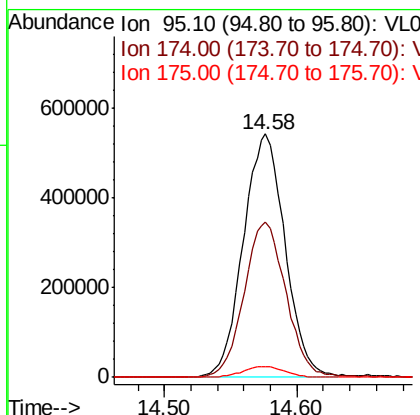
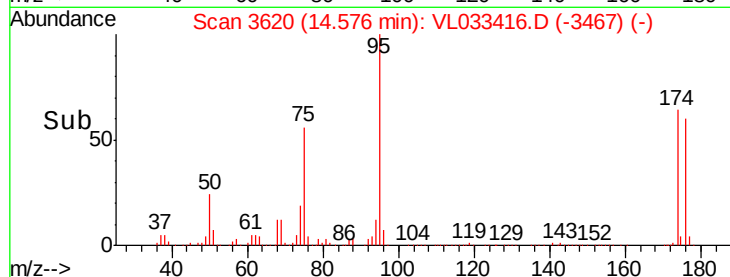
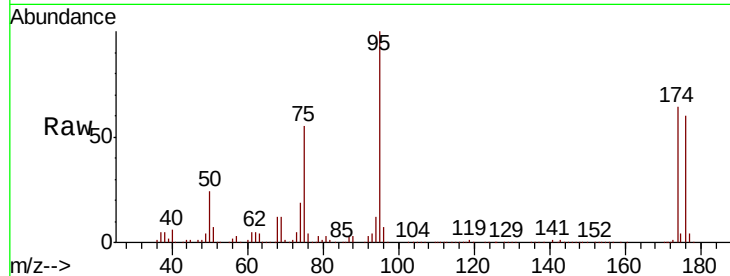
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.370 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033416.D
 Acq: 21 Mar 2019 10:14

Instrument :
 MSVOA_L
 ClientSampled :
 IA2DL2

Tot Ion: 95 Resp: 1183788
 Ion Ratio Lower Upper
 95 100
 174 64.2 51.5 77.3
 175 4.7 3.8 5.6

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 8:27:14 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.310 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.01 min
 Lab File: VL033416.D
 Acq: 21 Mar 2019 10:14

Tgt Ion: 105 Resp: 66374
 Ion Ratio Lower Upper
 105 100
 120 36.4 37.4 56.2#
 91 9.9 41.0 61.4#
 77 12.8 18.5 27.7#

