

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032119\
 Data File : VL033426.D
 Acq On : 21 Mar 2019 21:51
 Operator : SY/AP
 Sample : K1975-03DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:52:56 AM

Quant Time: Mar 24 15:59:51 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	749319	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2068106	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1923383	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1541400	10.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.25	43	52684	0.553	ppbv	99
13) Ethanol	3.65	45	121780	6.654	ppbv	98
15) Acetone	3.90	43	1192554m	10.238	ppbv	
26) Hexane	5.78	57	110124	1.455	ppbv #	38
44) 2,2,4-Trimethylpentane	7.99	57	112674	0.368	ppbv #	74
52) Tetrachloroethene	11.37	164	1078434	13.986	ppbv	98
53) Toluene	9.94	91	1071400	5.094	ppbv	100
59) m/p-Xylene	13.12	91	137715m	0.589	ppbv	

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

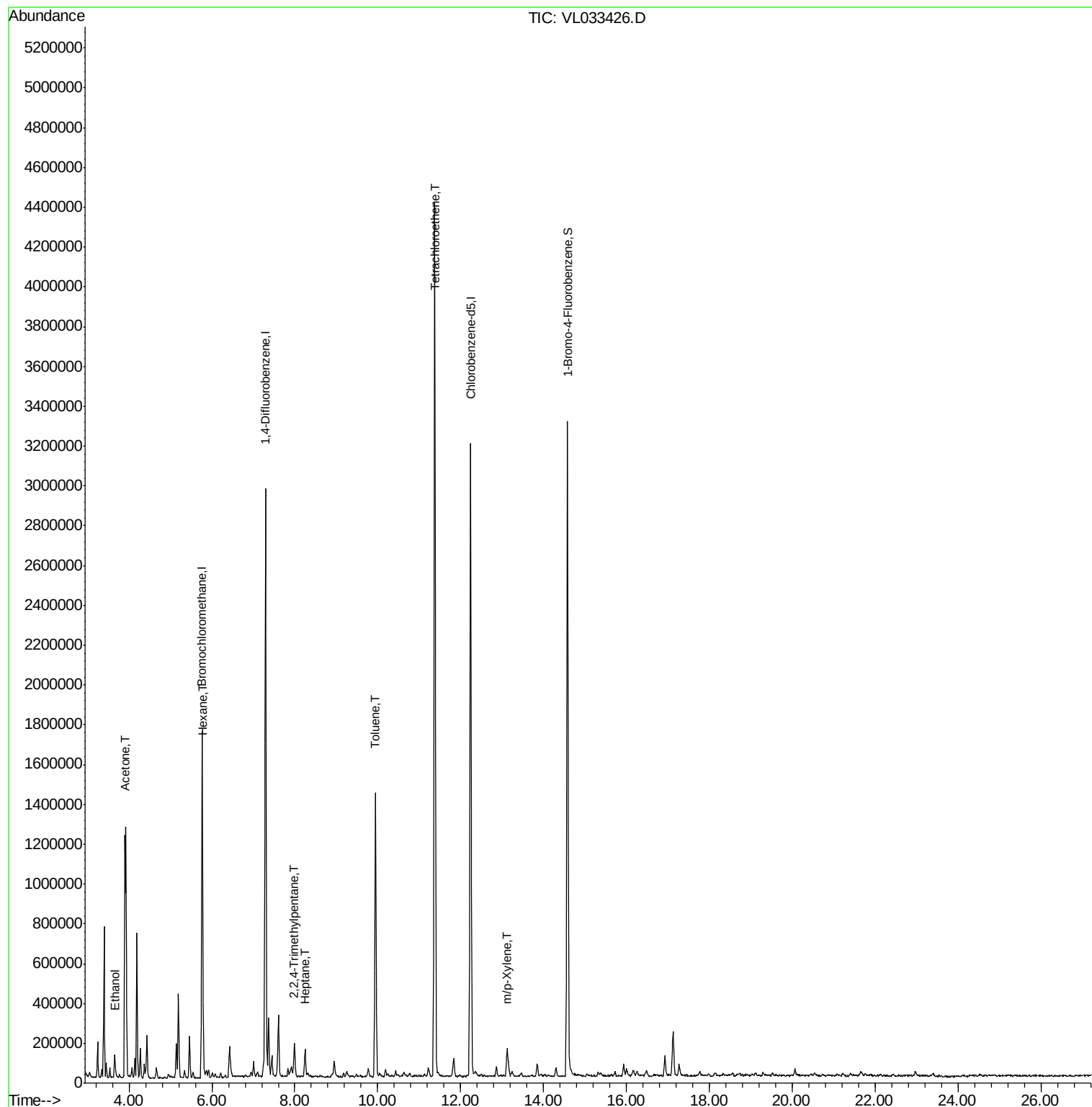
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032119\
Data File : VL033426.D
Acq On : 21 Mar 2019 21:51
Operator : SY/AP
Sample : K1975-03DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

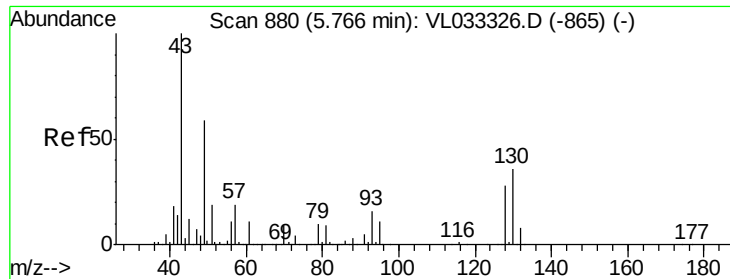
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Mar 24 15:59:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

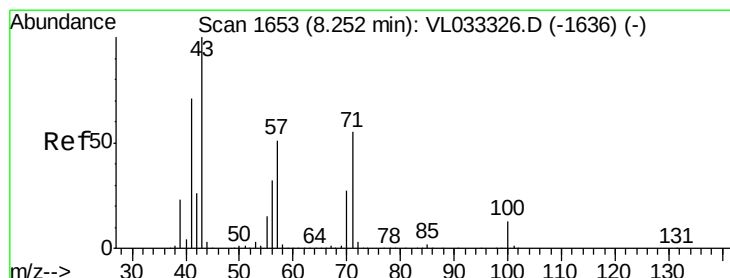
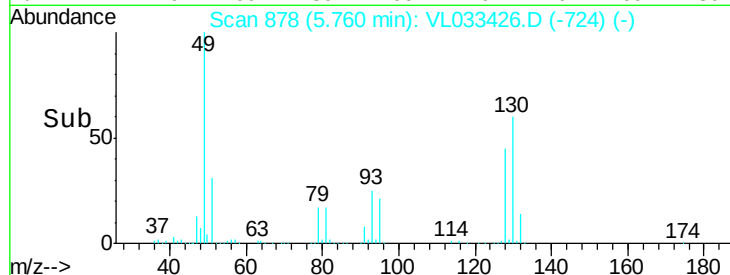
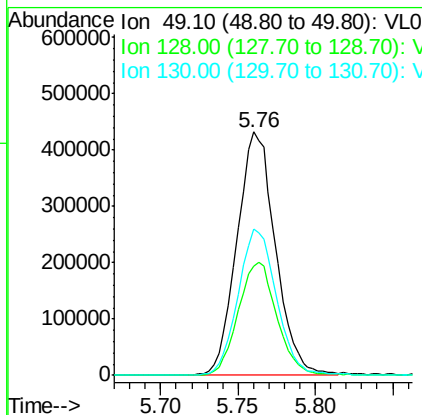
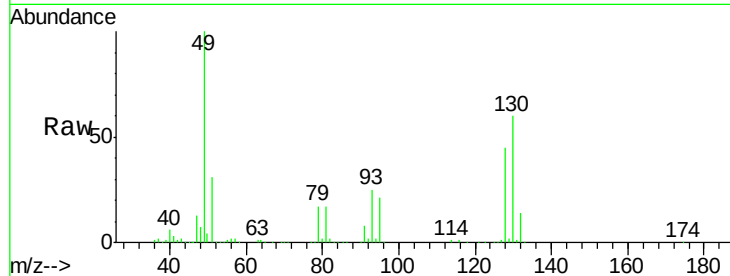
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VL033426.D
 Acq: 21 Mar 2019 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

Tot Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.5	70.6
130	60.7	30.1	90.3

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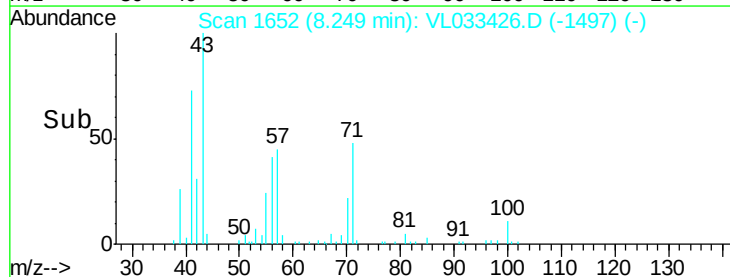
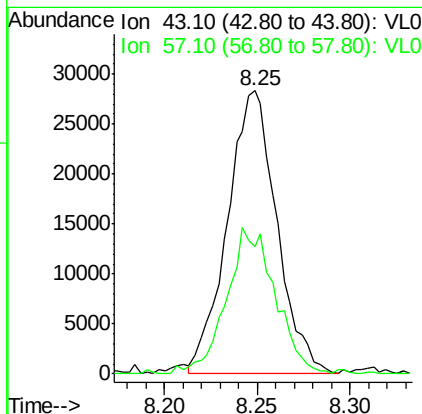
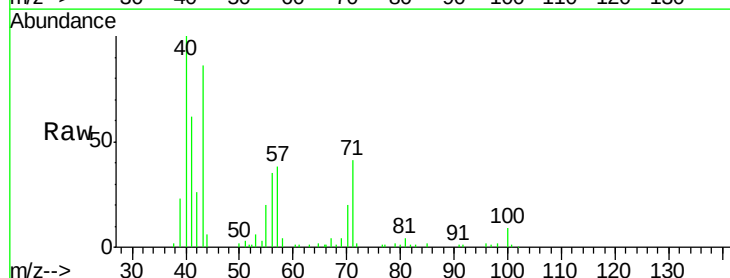
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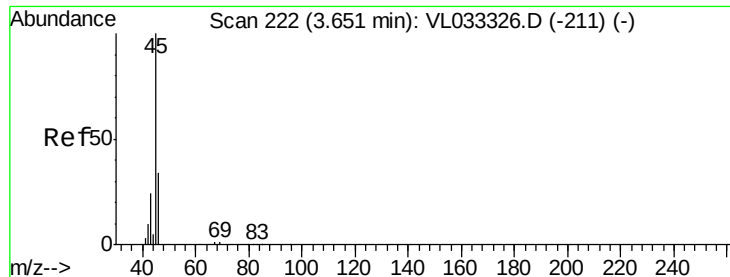


#10

Heptane
 Concen: 0.553 ppbv
 RT: 8.25 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: VL033426.D
 Acq: 21 Mar 2019 21:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	51.3	40.4	60.6





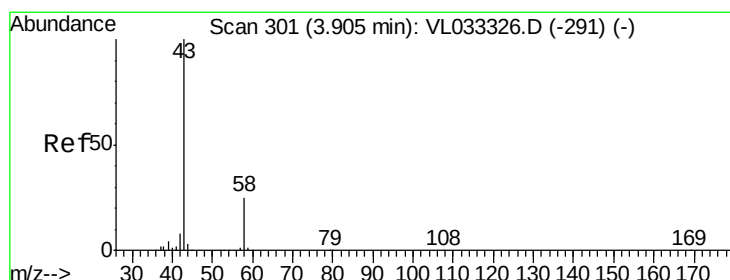
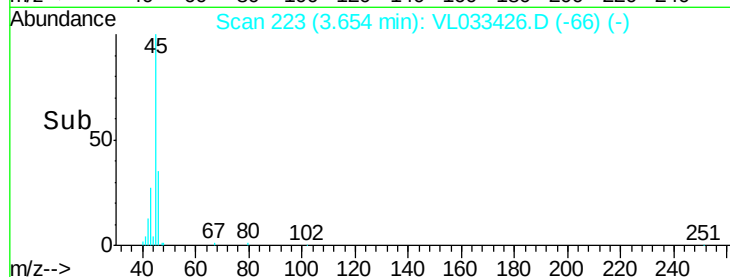
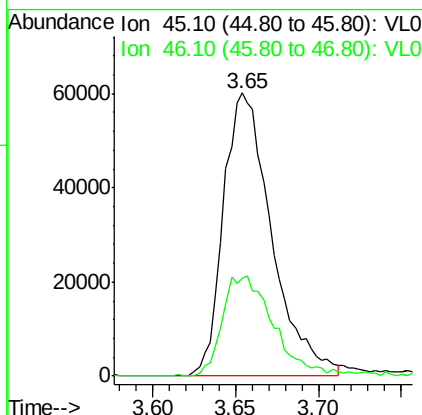
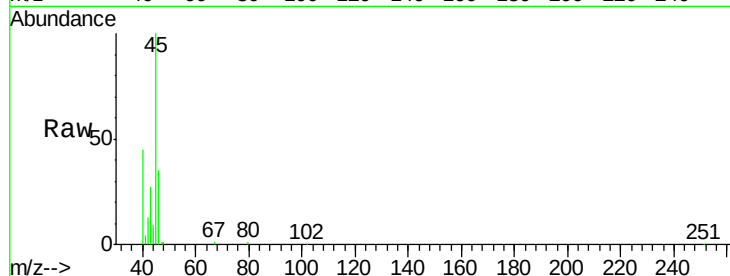
#13
Ethanol
Concen: 6.654 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033426.D
Acq: 21 Mar 2019 21:51

Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

Tot Ion	45	Resp	121780
Ion Ratio	100	Lower	Upper
46	38.4	14.9	59.7

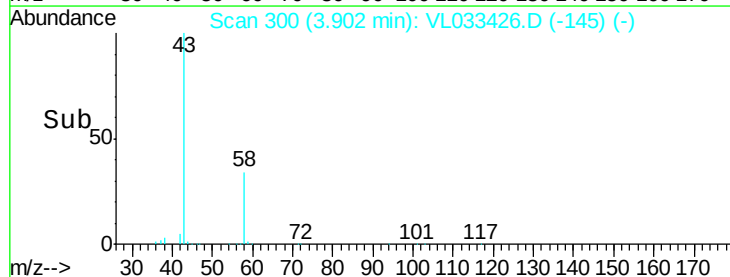
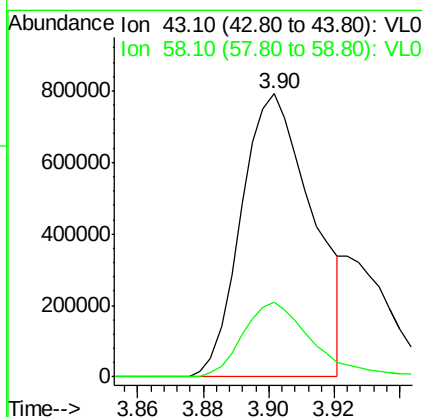
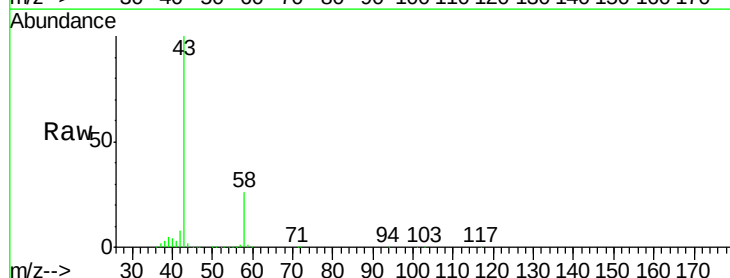
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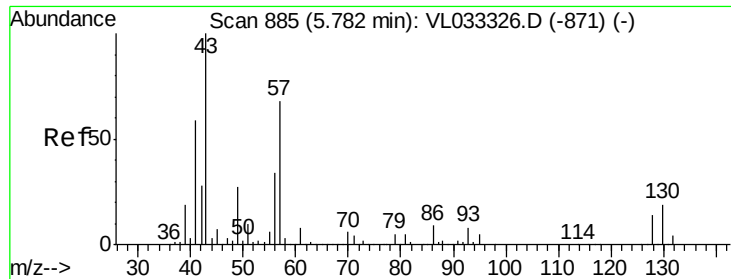
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#15
Acetone
Concen: 10.238 ppbv m
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033426.D
Acq: 21 Mar 2019 21:51

Tgt Ion	43	Resp	1192554
Ion Ratio	100	Lower	Upper
58	26.2	20.4	30.6





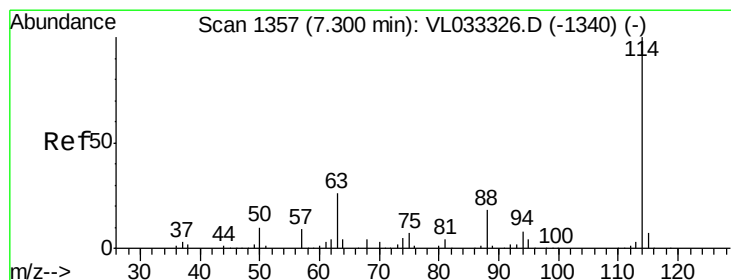
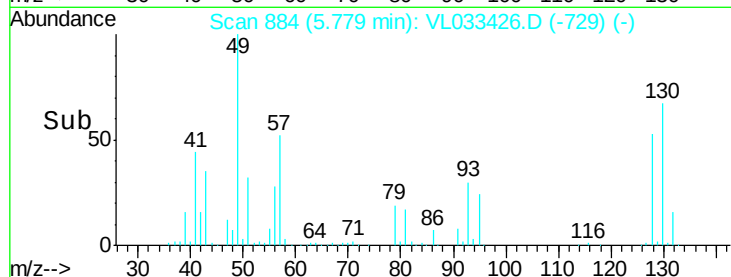
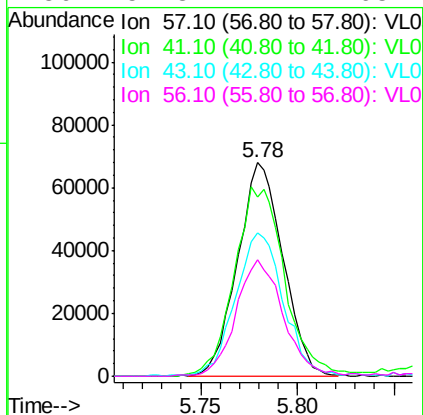
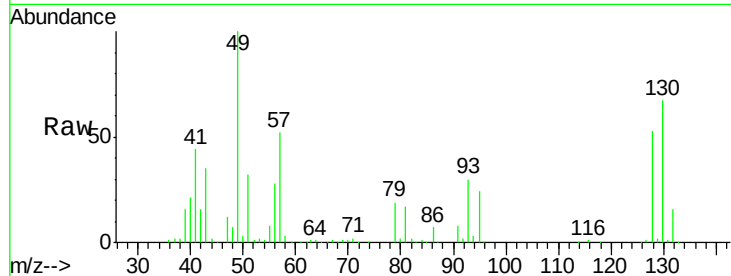
#26
Hexane
Concen: 1.455 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033426.D
Acq: 21 Mar 2019 21:51

Instrument :
MSVOA_L
ClientSampled :
IA2DL2

Tot Ion	57	Resp	110124
Ion Ratio	Lower	Upper	
57	100		
41	98.7	70.5	105.7
43	72.1	181.8	272.8#
56	57.3	42.2	63.2

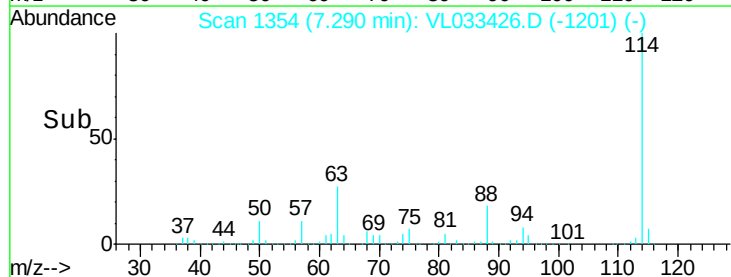
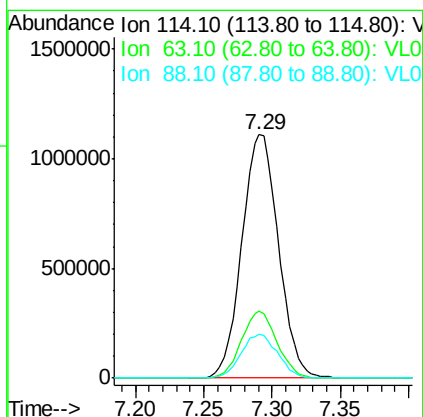
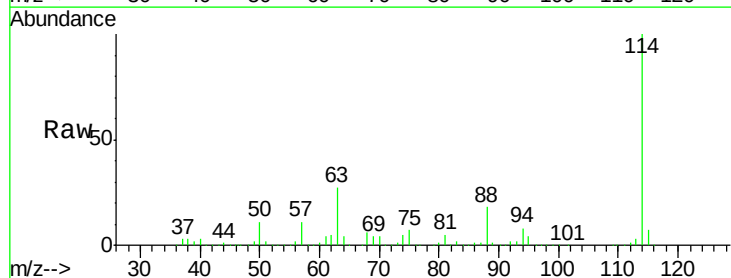
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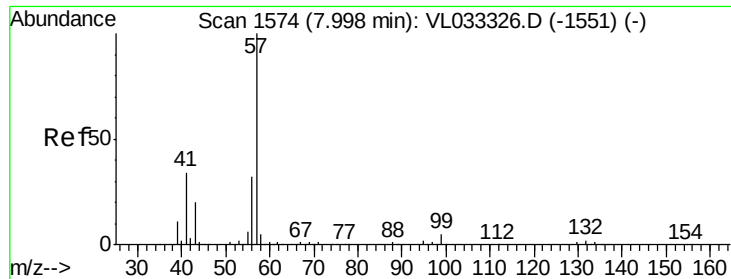
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033426.D
Acq: 21 Mar 2019 21:51

Tgt Ion	114	Resp	2068106
Ion Ratio	Lower	Upper	
114	100		
63	26.8	21.4	32.2
88	18.1	14.5	21.7





#44

2,2,4-Trimethylpentane

Concen: 0.368 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL033426.D

Acq: 21 Mar 2019 21:51

Instrument :

MSVOA_L

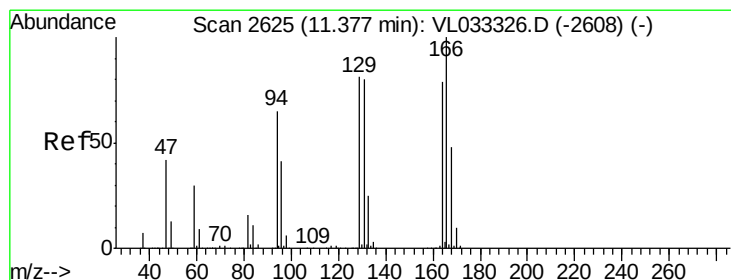
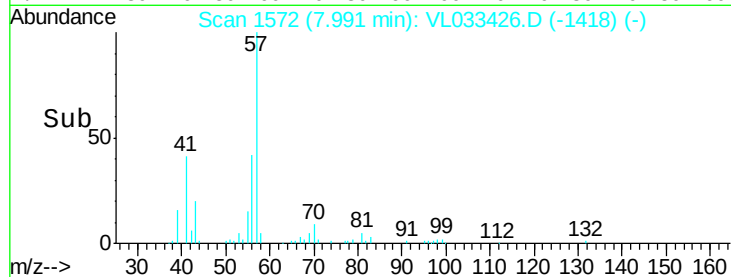
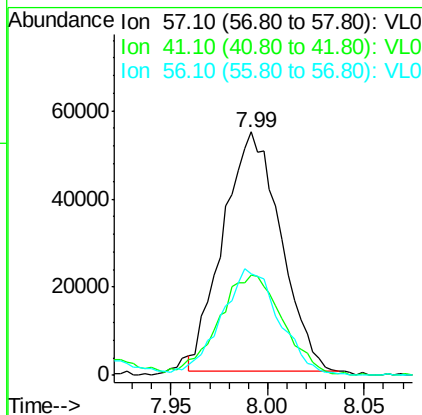
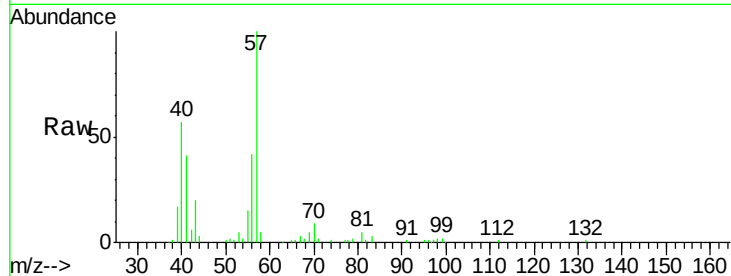
ClientSampleId :

IA2DL2

Tot Ion:	57	Resp:	112674
Ion Ratio		Lower	Upper
57	100		
41	46.7	26.0	39.0#
56	45.3	24.6	36.8#

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#52

Tetrachloroethene

Concen: 13.986 ppbv

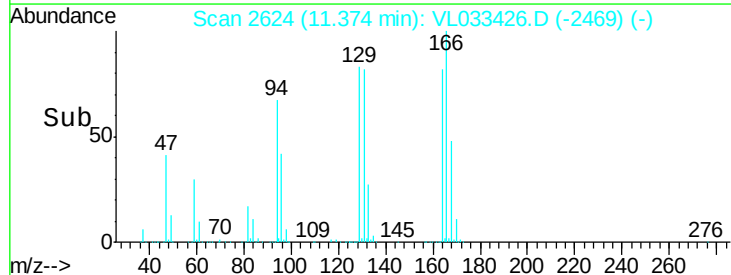
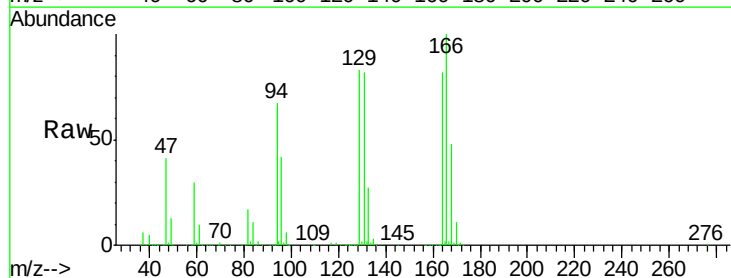
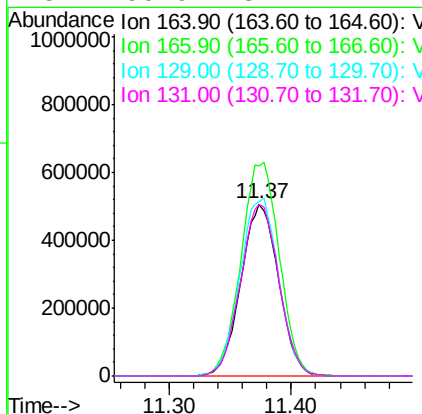
RT: 11.37 min Scan# 2624

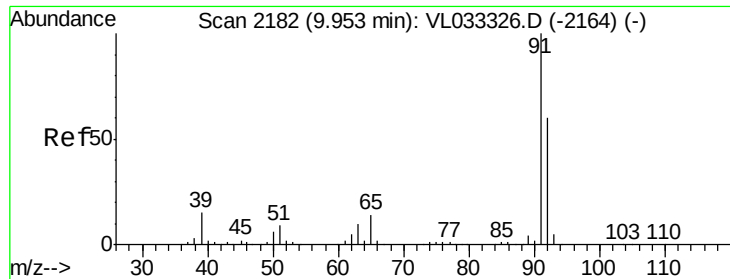
Delta R.T. -0.00 min

Lab File: VL033426.D

Acq: 21 Mar 2019 21:51

Tgt Ion:	164	Resp:	1078434
Ion Ratio		Lower	Upper
164	100		
166	122.3	101.5	152.3
129	101.6	82.2	123.2
131	99.9	81.1	121.7





#53

Toluene

Concen: 5.094 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033426.D

Acq: 21 Mar 2019 21:51

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

Tot Ion: 91 Resp: 1071400

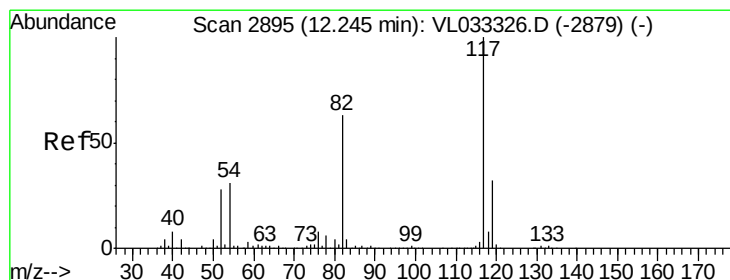
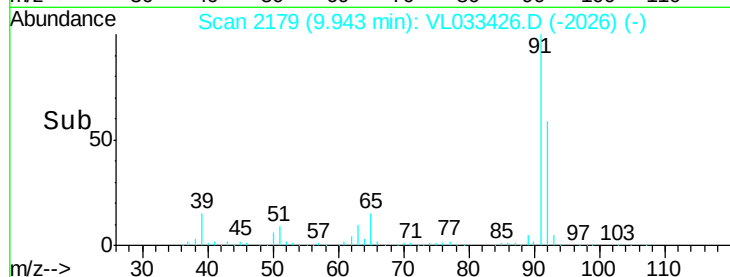
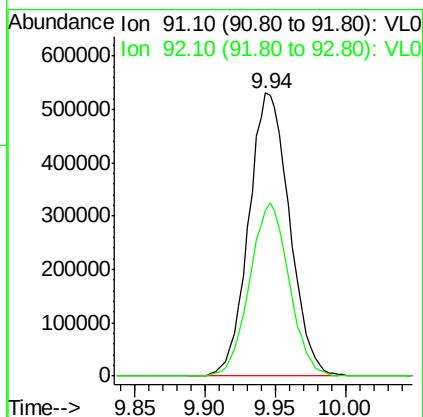
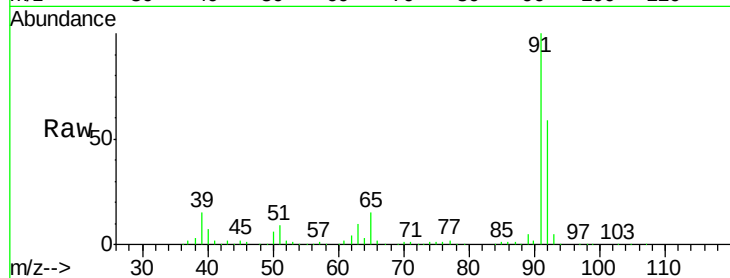
Ion Ratio Lower Upper

91 100

92 59.4 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033426.D

Acq: 21 Mar 2019 21:51

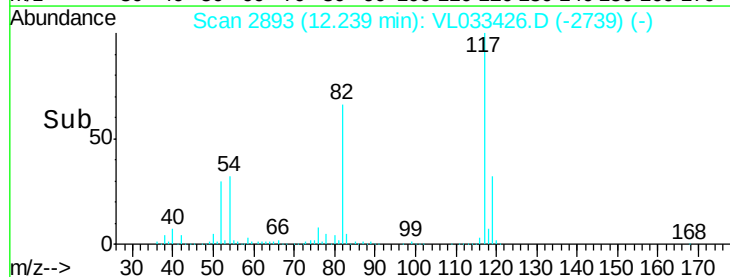
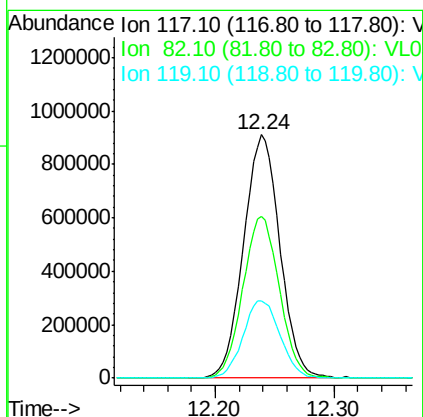
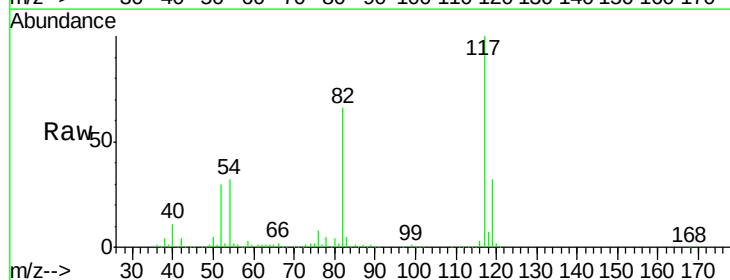
Tgt Ion: 117 Resp: 1923383

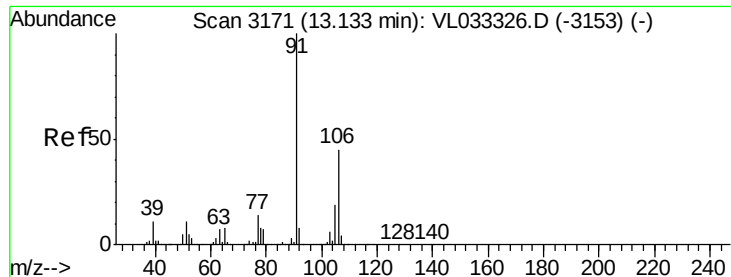
Ion Ratio Lower Upper

117 100

82 67.1 53.4 80.2

119 32.7 27.3 40.9





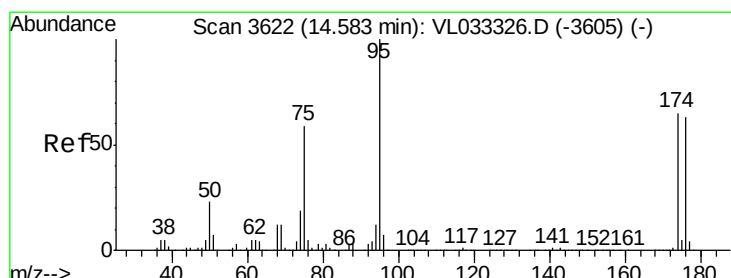
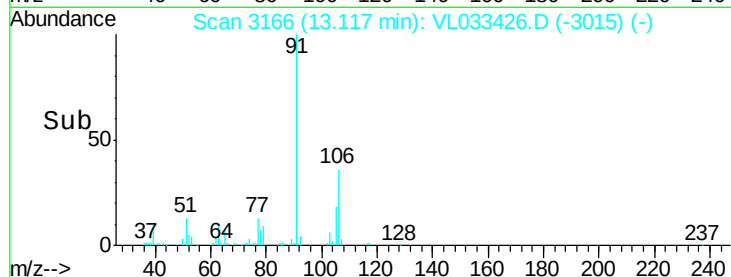
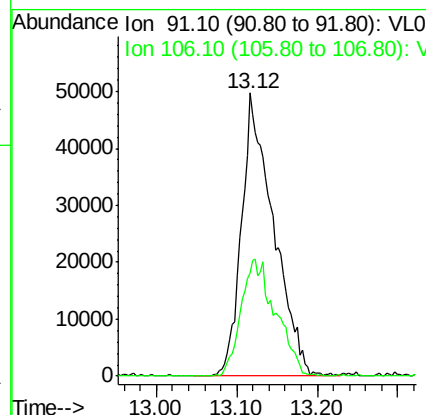
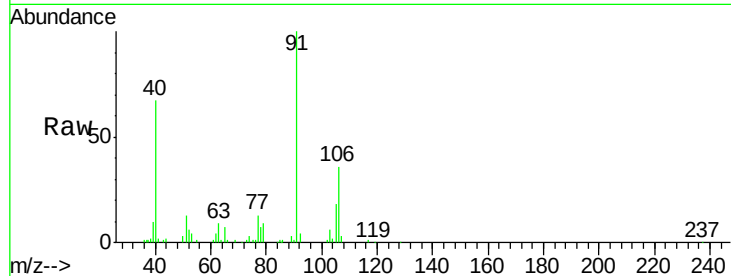
#59
m/p-Xylene
Concen: 0.589 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VL033426.D
Acq: 21 Mar 2019 21:51

Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

Tot Ion: 91 Resp: 137715
Ion Ratio Lower Upper
91 100
106 44.8 0.0 0.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.815 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033426.D
Acq: 21 Mar 2019 21:51

Tgt Ion: 95 Resp: 1541400
Ion Ratio Lower Upper
95 100
174 64.8 51.5 77.3
175 4.6 3.8 5.6

