

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032224.D
 Acq On : 6 Jul 2018 4:24
 Operator : SY/AP
 Sample : J3867-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

Manual Integrations
 APPROVED

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 7/9/2018 10:47:59 AM

Quant Time: Jul 06 17:43:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	2023787	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3910078	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.33	117	3954892	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3024814	10.01	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.10	41	15071	0.13	ppbv	95
13) Ethanol	3.72	45	117428m	3.36	ppbv	
15) Acetone	3.97	43	572357	2.42	ppbv	100
20) Methylene Chloride	4.48	84	277177	3.21	ppbv	95
26) Hexane	5.86	57	742969	3.30	ppbv #	45

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

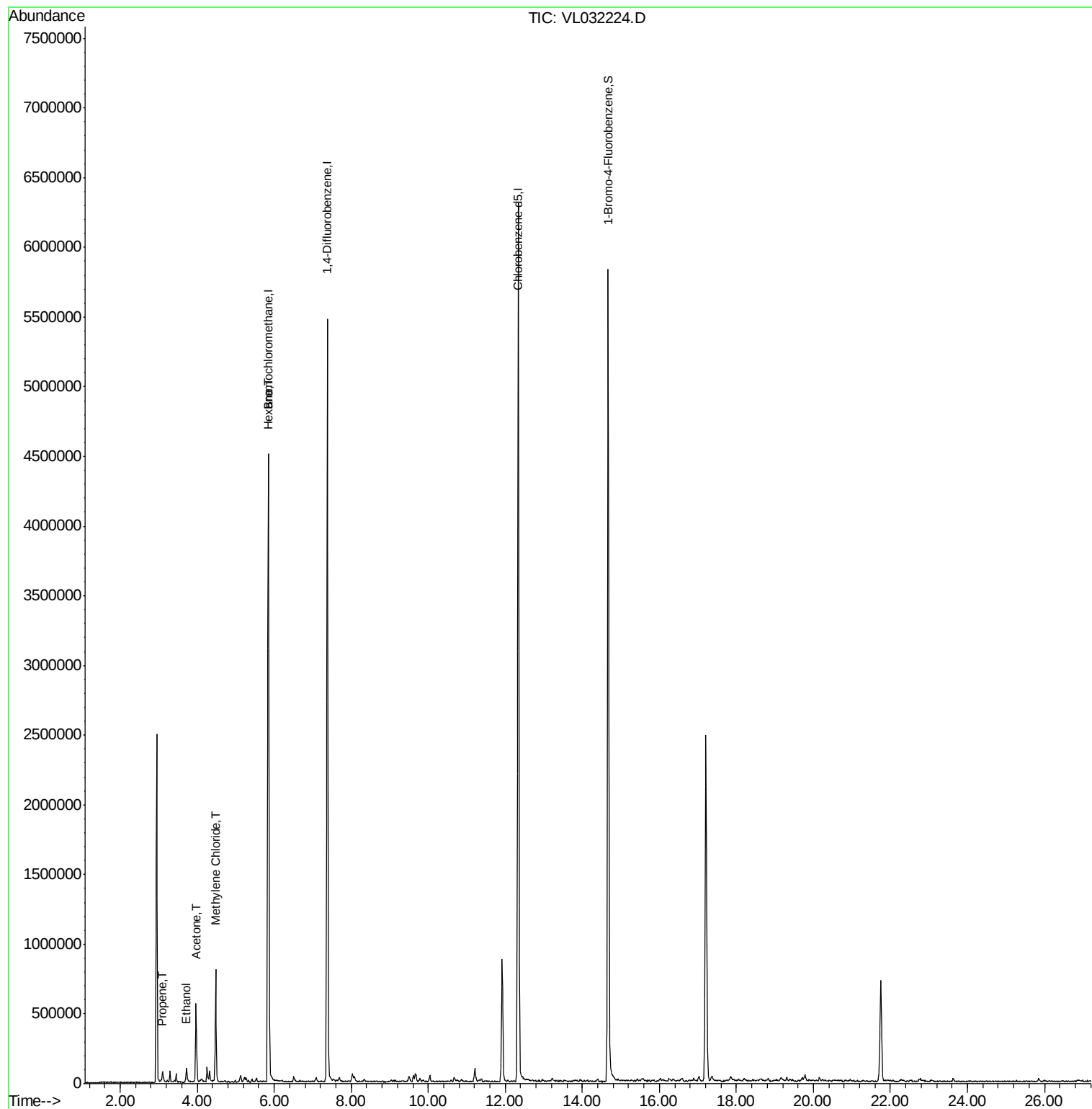
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070518\
Data File : VL032224.D
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Operator : SY/AP
Sample : J3867-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

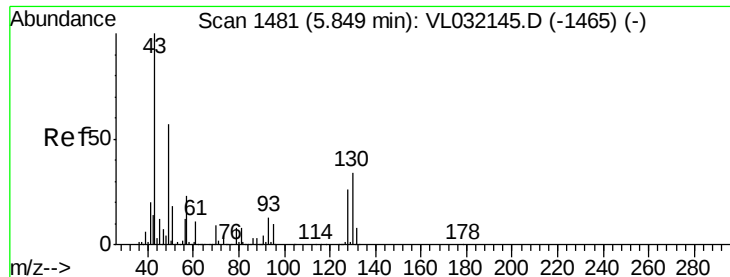
Instrument :
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QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration





#1

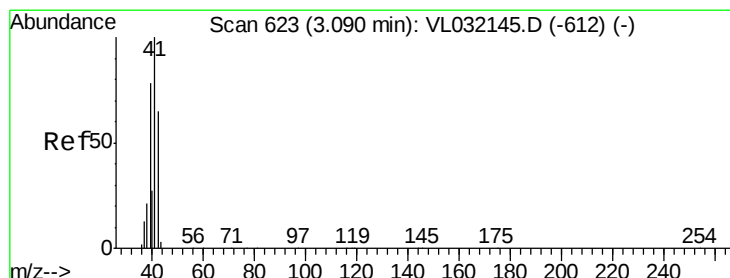
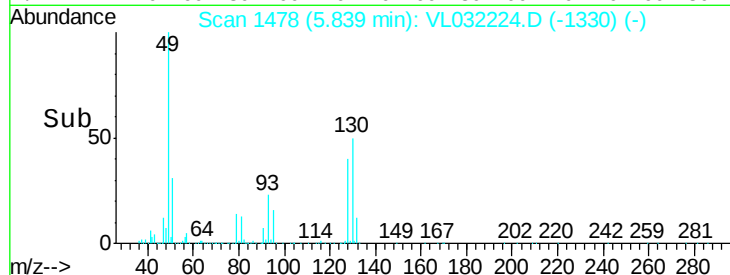
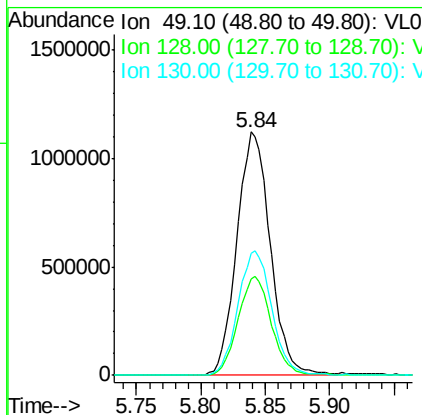
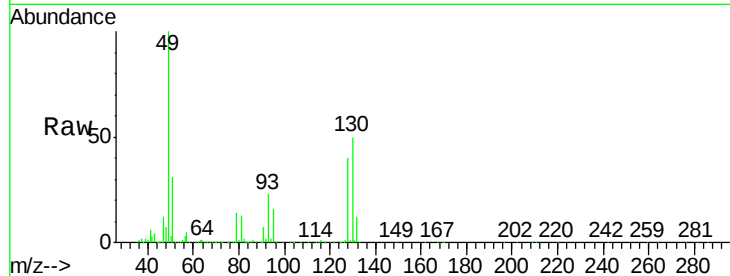
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.84 min Scan# 1478
 Delta R.T. -0.02 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	40.9	23.4	70.0
130	52.6	30.3	90.9

Manual Integrations
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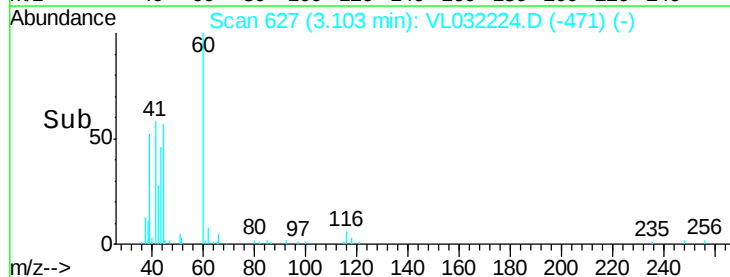
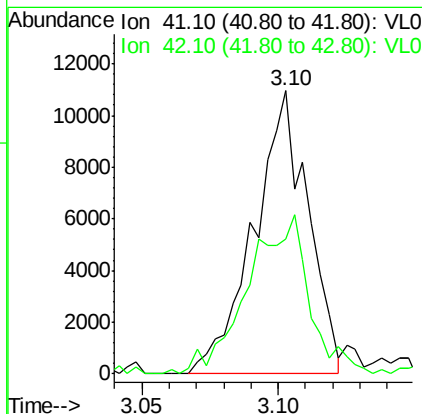
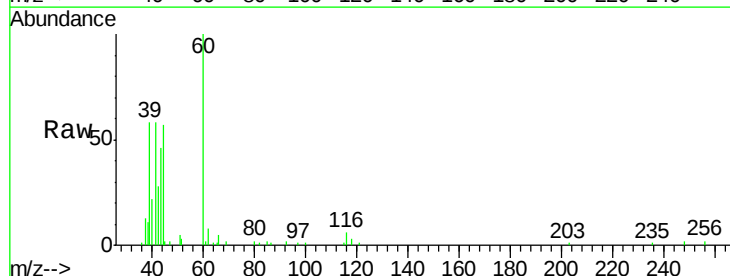
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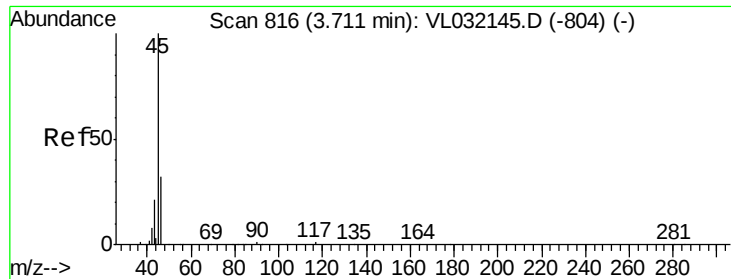


#9

Propene
 Concen: 0.13 ppbv
 RT: 3.10 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Tgt Ion	Ratio	Lower	Upper
41	100		
42	66.0	56.2	84.4





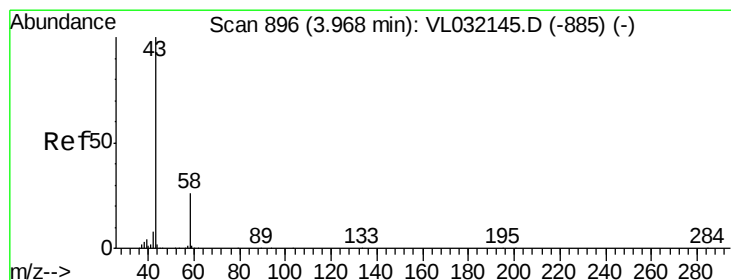
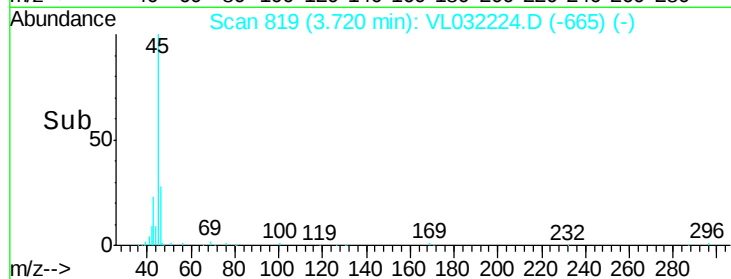
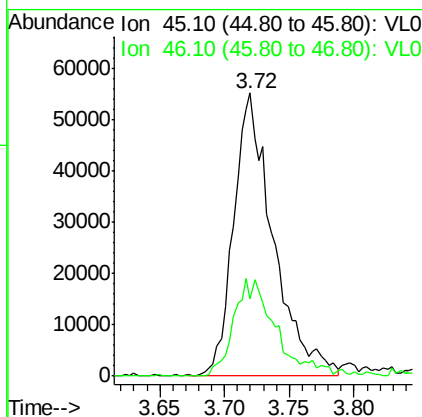
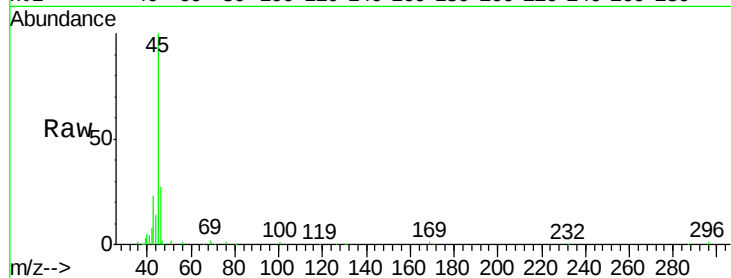
#13
Ethanol
Concen: 3.36 ppbv m
RT: 3.72 min Scan# 819
Delta R.T. -0.00 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tot Ion: 45 Resp: 117428
Ion Ratio Lower Upper
45 100
46 37.3 14.6 58.4

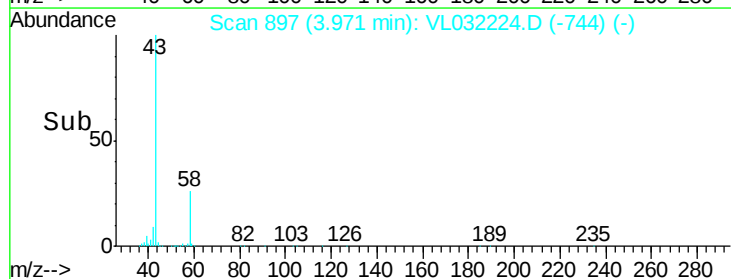
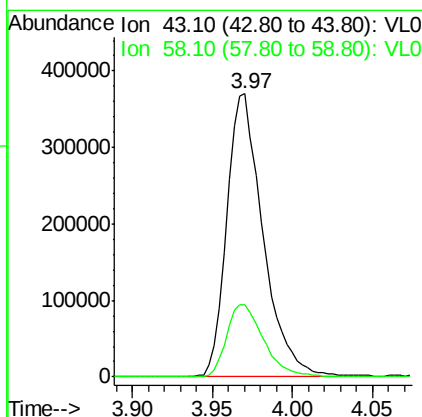
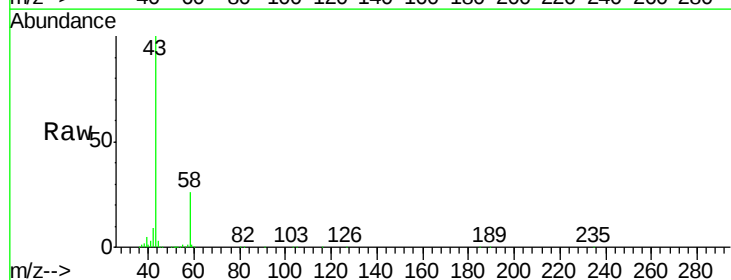
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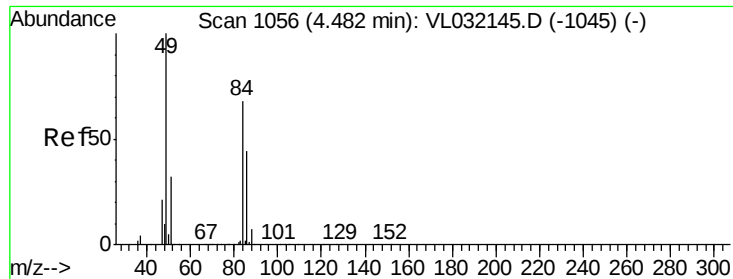
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#15
Acetone
Concen: 2.42 ppbv
RT: 3.97 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion: 43 Resp: 572357
Ion Ratio Lower Upper
43 100
58 26.5 21.4 32.0





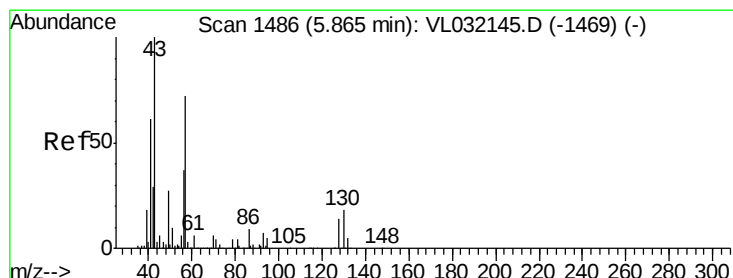
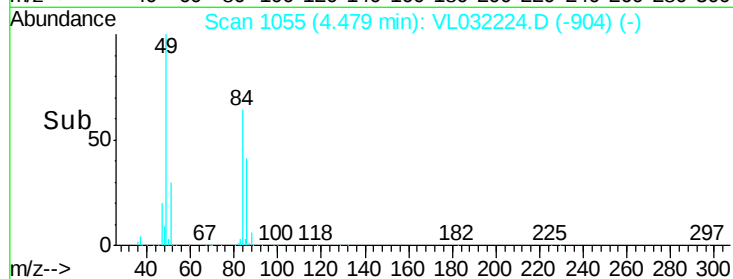
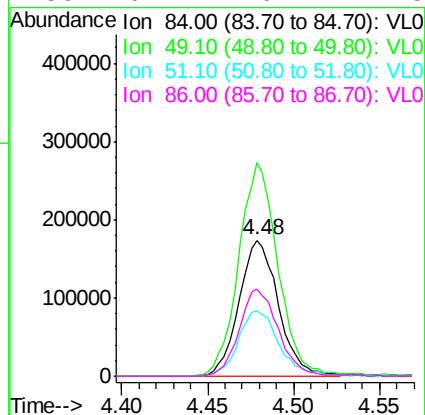
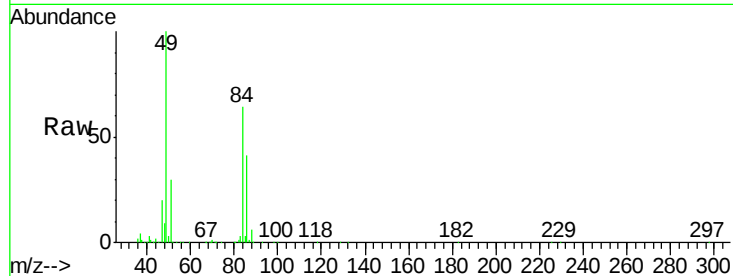
#20
Methvlene Chloride
Concen: 3.21 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tot Ion:	84	Resp:	277177
Ion Ratio	Lower	Upper	
84	100		
49	156.5	119.6	179.4
51	47.8	36.3	54.5
86	64.2	49.7	74.5

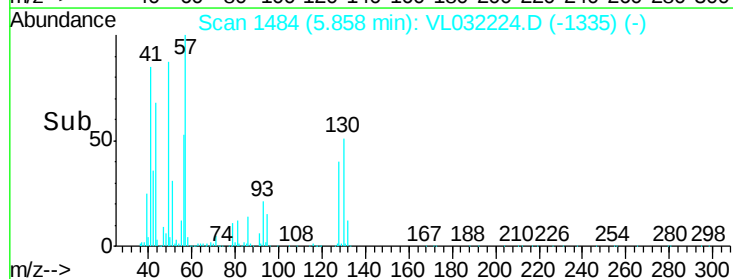
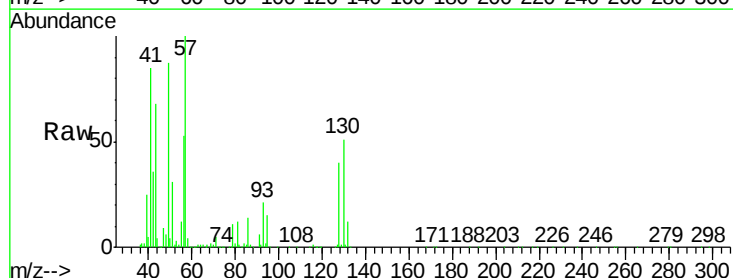
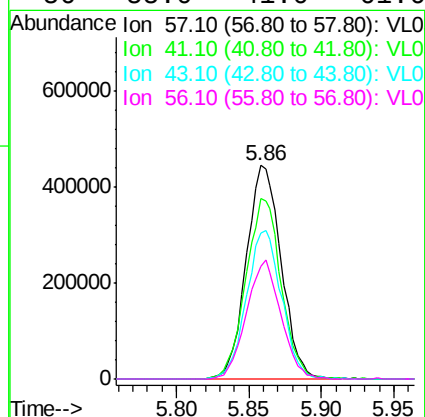
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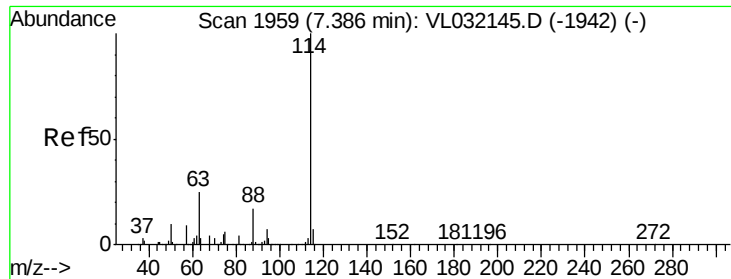
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#26
Hexane
Concen: 3.30 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion:	57	Resp:	742969
Ion Ratio	Lower	Upper	
57	100		
41	85.6	68.6	103.0
43	70.2	168.6	252.8#
56	55.0	41.0	61.6





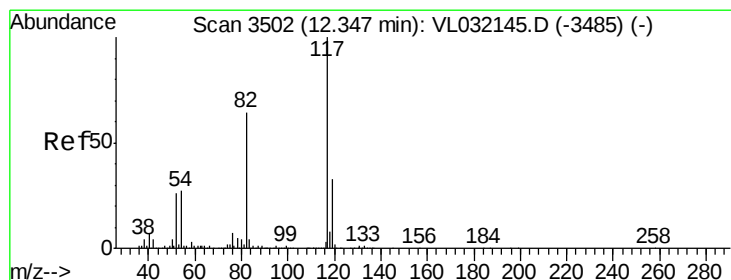
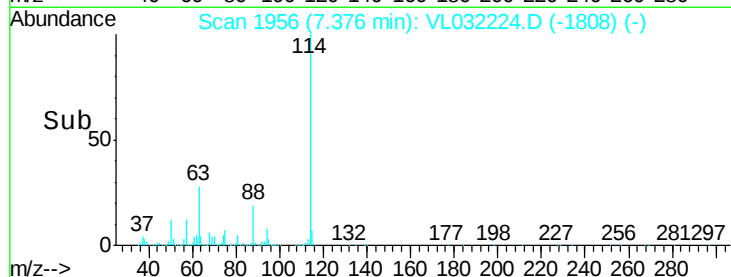
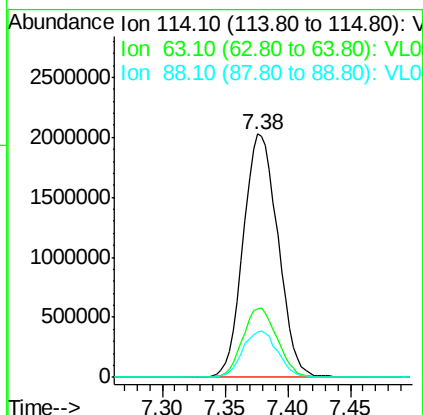
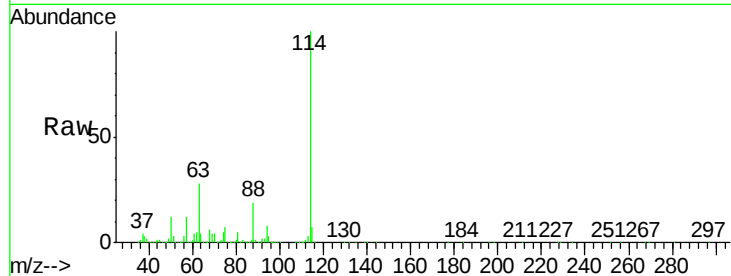
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.38 min Scan# 1956
Delta R.T. -0.02 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.6	19.1	28.7
88	19.1	13.9	20.9

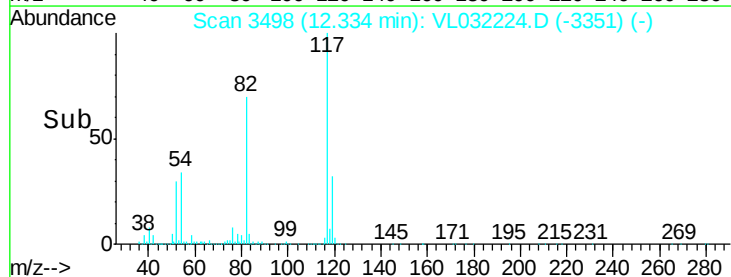
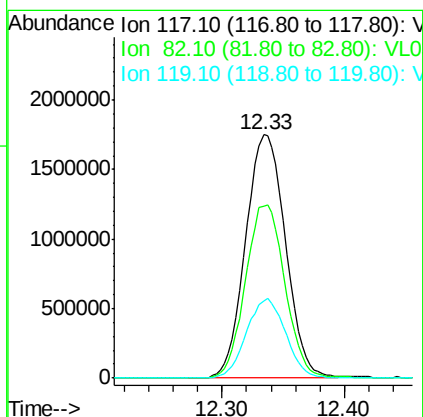
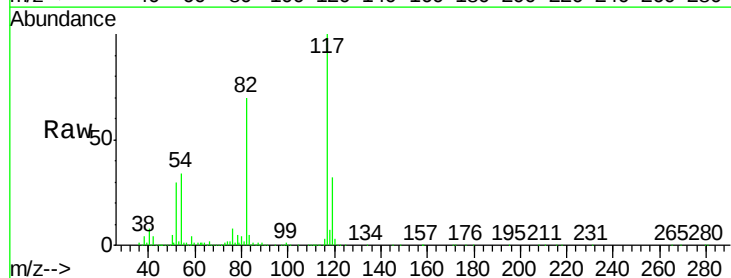
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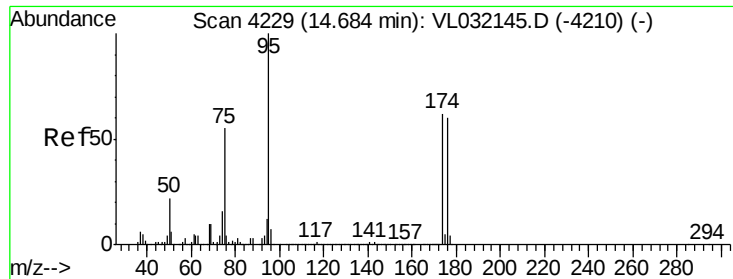
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.03 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.5	47.8	71.8
119	32.4	43.3	64.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.01 ppbv
 RT: 14.67 min Scan# 4225
 Delta R.T. -0.03 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	54.6	52.1	78.1
175	3.9	4.0	6.0

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