

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041019\
 Data File : VL033572.D
 Acq On : 10 Apr 2019 20:17
 Operator : SY/AP
 Sample : K2301-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

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 4/11/2019 1:01:26 PM

Quant Time: Apr 11 04:34:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 2019
 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	5.76	49	919045	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2154301	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2150784	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1713659	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	11868	0.267	ppbv	91
13) Ethanol	3.65	45	161289	14.027	ppbv	68
15) Acetone	3.91	43	81728	0.740	ppbv	95
19) Isopropyl Alcohol	4.04	45	22440	0.321	ppbv #	94
52) Tetrachloroethene	11.37	164	8162m	0.120	ppbv	
53) Toluene	9.94	91	28818m	0.137	ppbv	

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

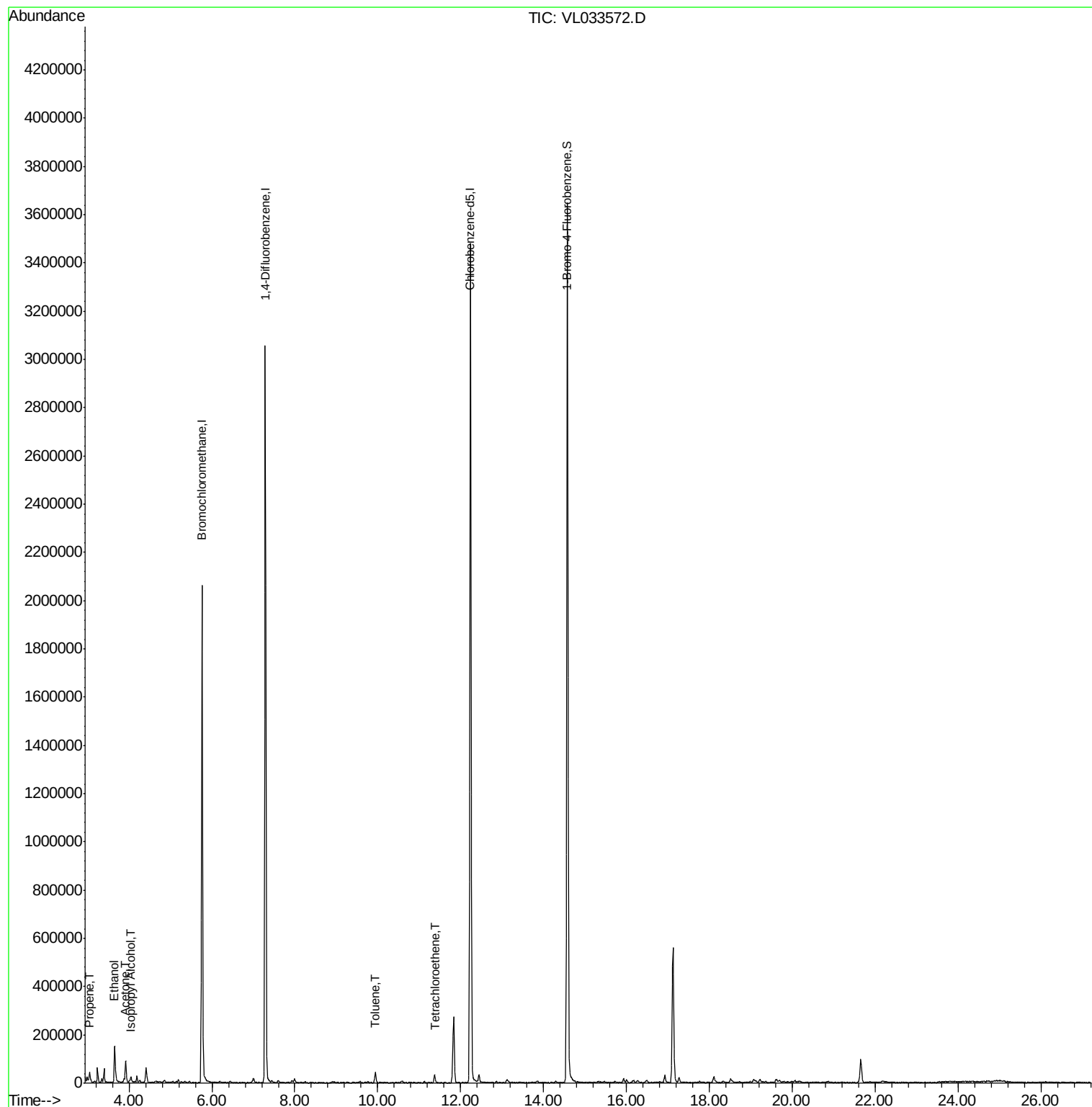
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041019\
Data File : VL033572.D
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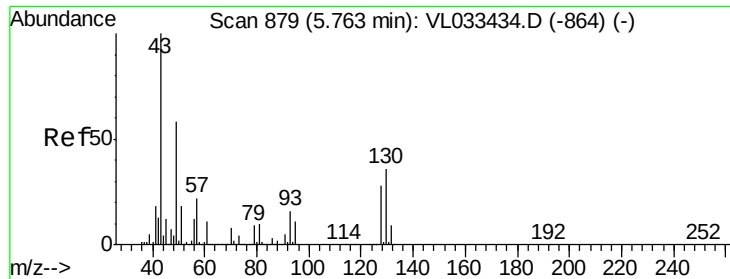
Instrument :
MSVOA_L
ClientSampleId :
IA2DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033572.D

Acq: 10 Apr 2019 20:17

Instrument :

MSVOA_L

ClientSampled :

IA2DL

Tot Ion: 49 Resp: 919045

Ion Ratio Lower Upper

49 100

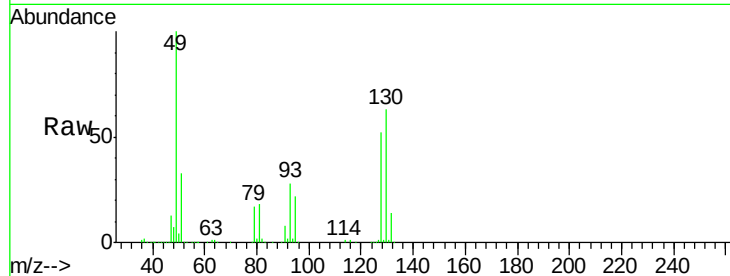
128 49.0 24.0 72.0

130 63.1 31.2 93.6

Manual Integrations
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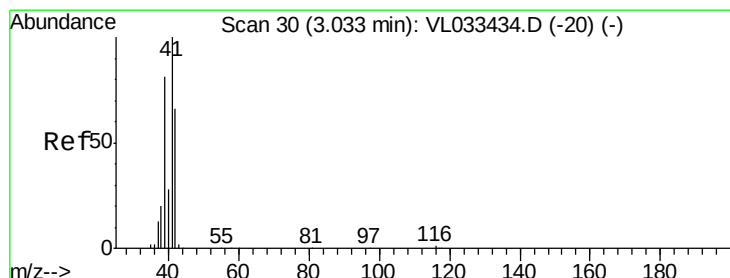
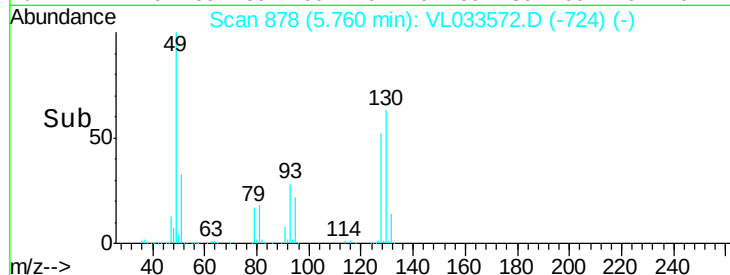
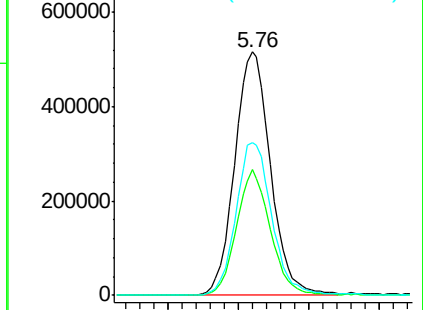
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.267 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033572.D

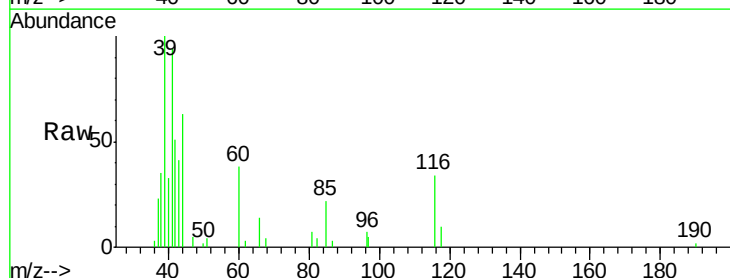
Acq: 10 Apr 2019 20:17

Tgt Ion: 41 Resp: 11868

Ion Ratio Lower Upper

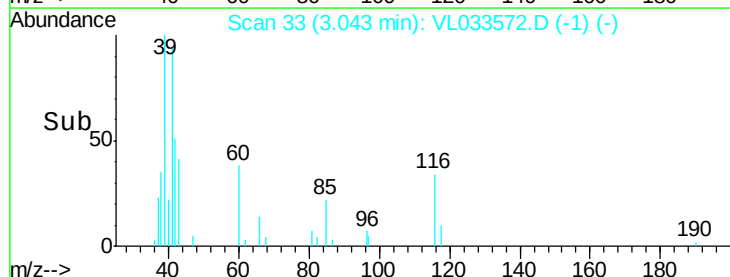
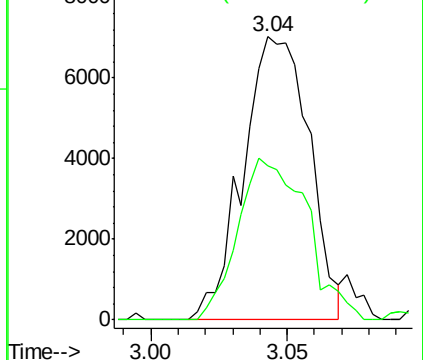
41 100

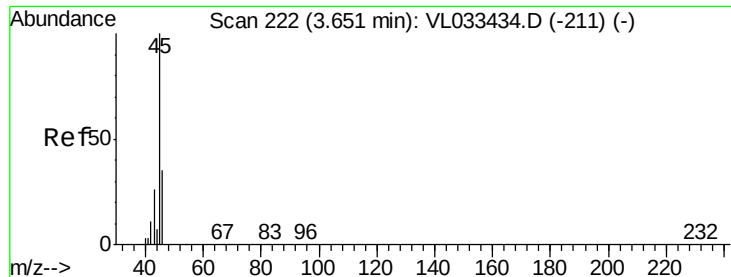
42 60.5 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





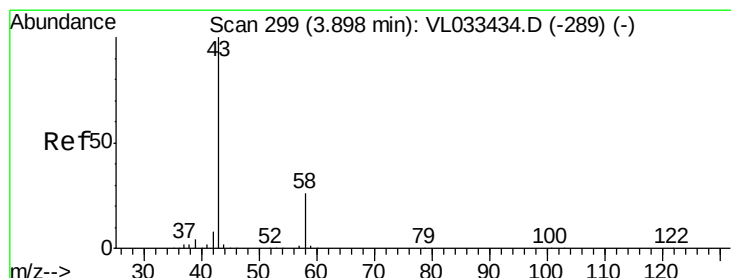
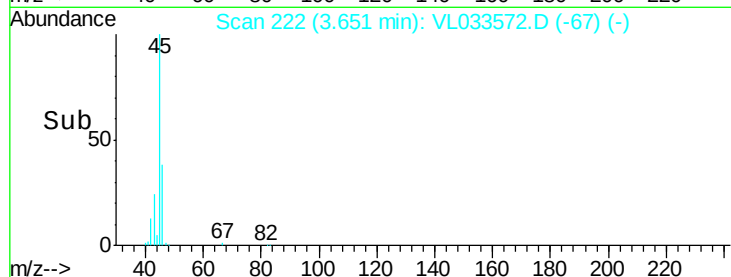
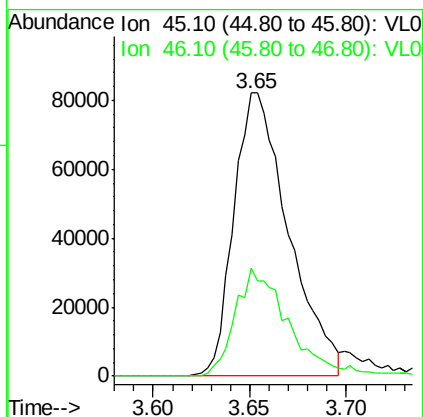
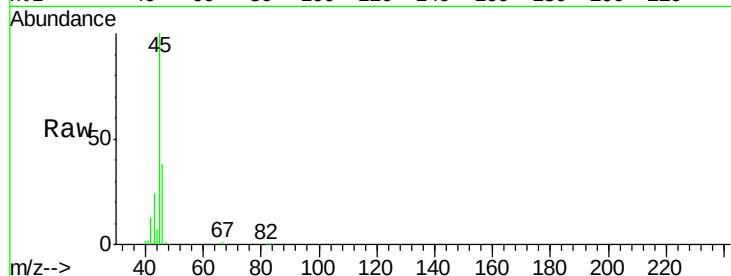
#13
Ethanol
Concen: 14.027 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion: 45 Resp: 161289
Ion Ratio Lower Upper
45 100
46 38.5 25.4 101.8

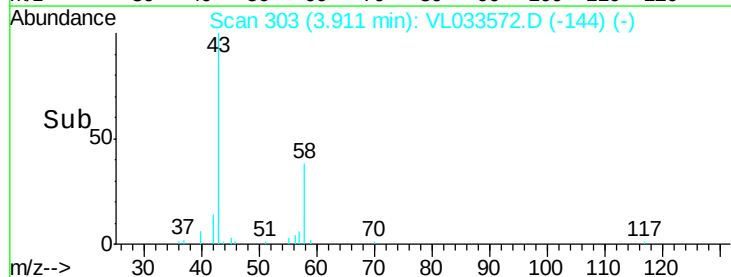
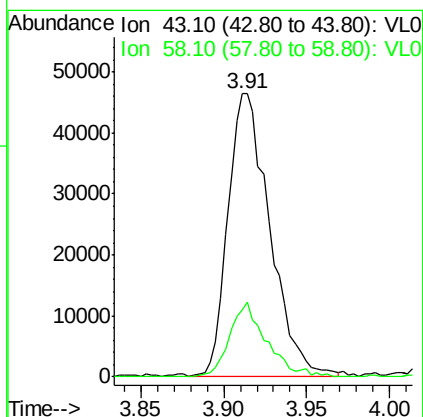
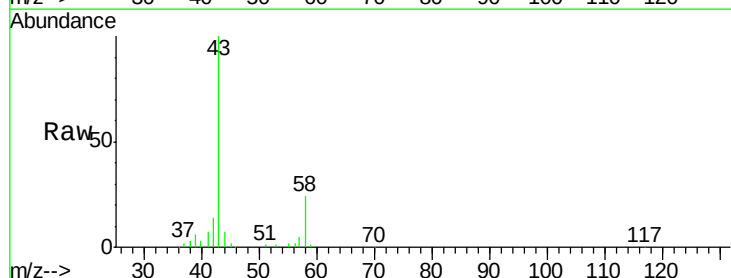
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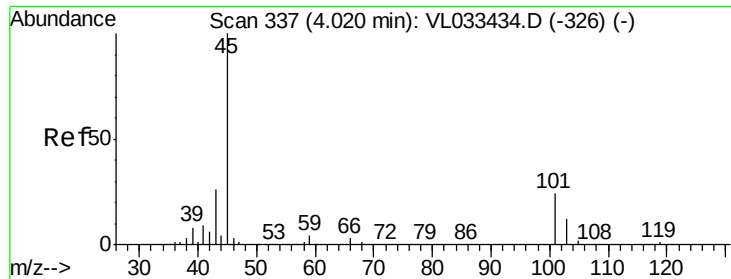
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#15
Acetone
Concen: 0.740 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 43 Resp: 81728
Ion Ratio Lower Upper
43 100
58 23.3 20.5 30.7





#19

Isopropyl Alcohol

Concen: 0.321 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033572.D

Acq: 10 Apr 2019 20:17

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 45 Resp: 22440

Ion Ratio Lower Upper

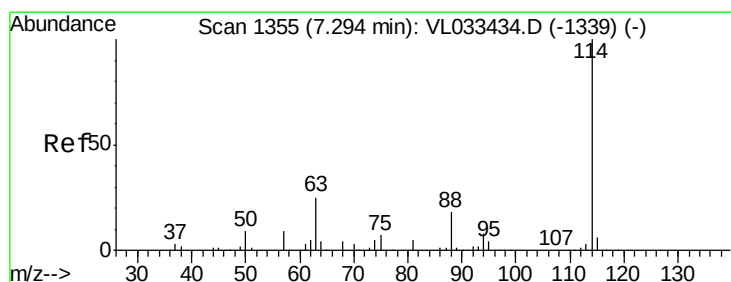
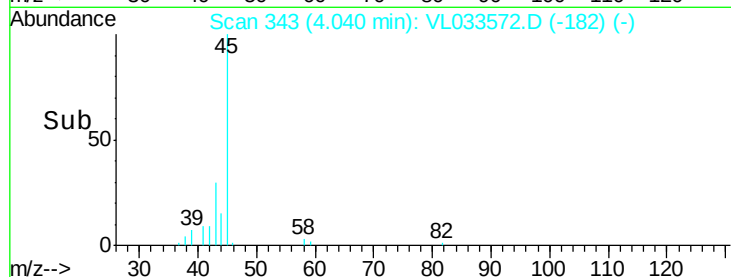
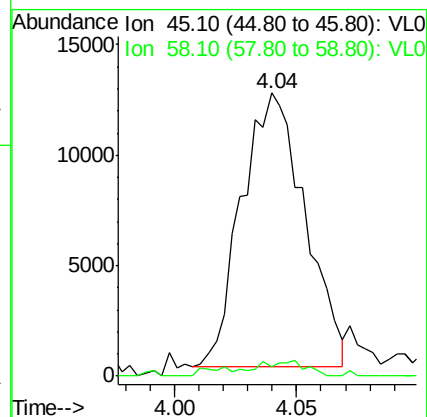
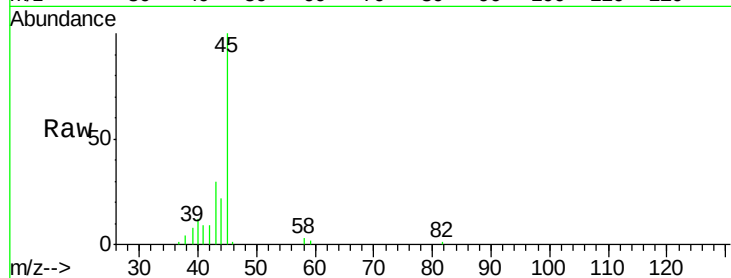
45 100

58 4.0 1.4 2.2#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VL033572.D

Acq: 10 Apr 2019 20:17

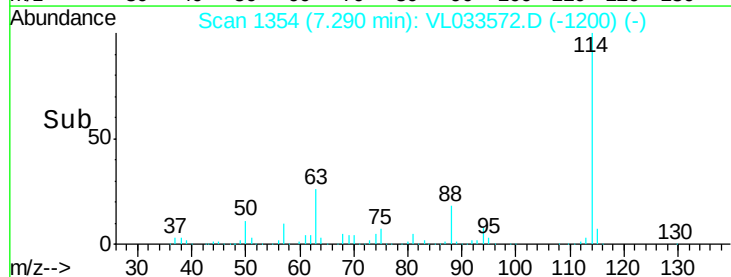
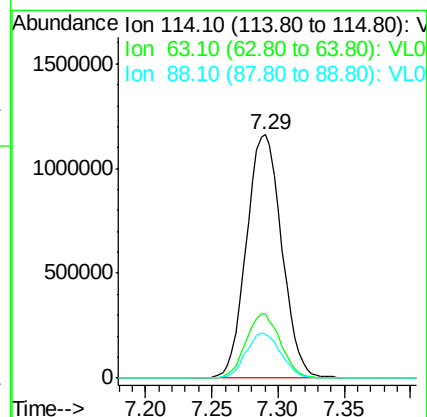
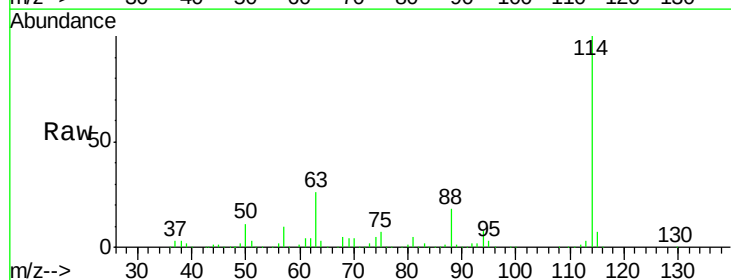
Tgt Ion: 114 Resp: 2154301

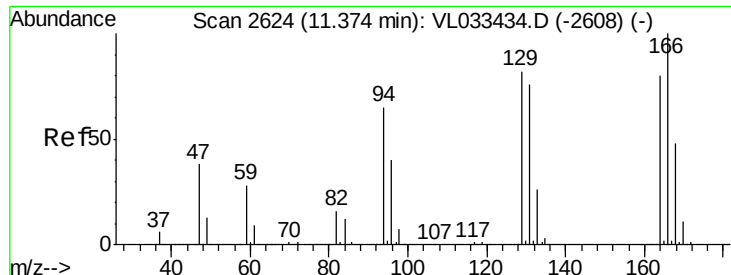
Ion Ratio Lower Upper

114 100

63 26.1 21.5 32.3

88 18.3 14.5 21.7





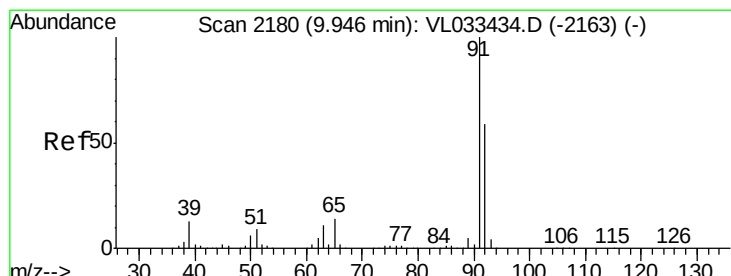
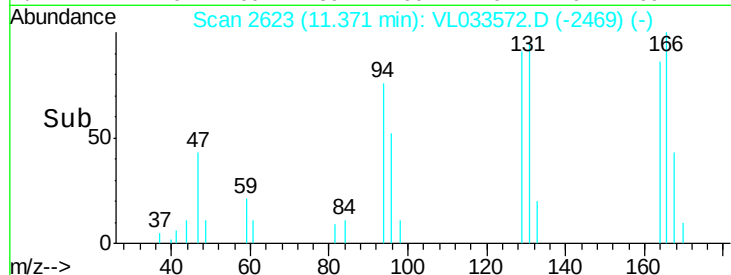
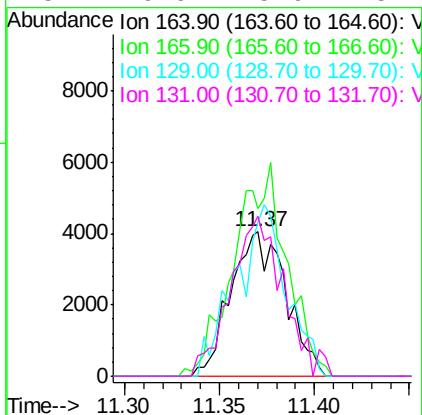
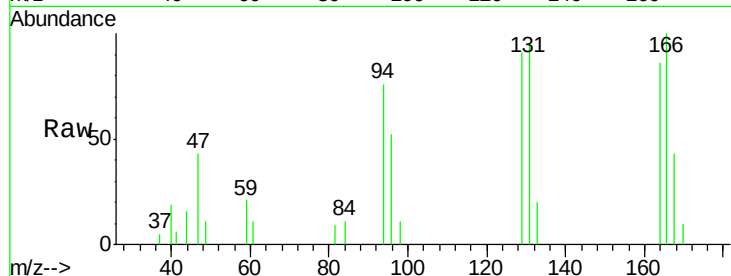
#52
Tetrachloroethene
Concen: 0.120 ppbv m
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	116.2	99.5	149.3
129	106.0	81.4	122.2
131	110.9	75.6	113.4

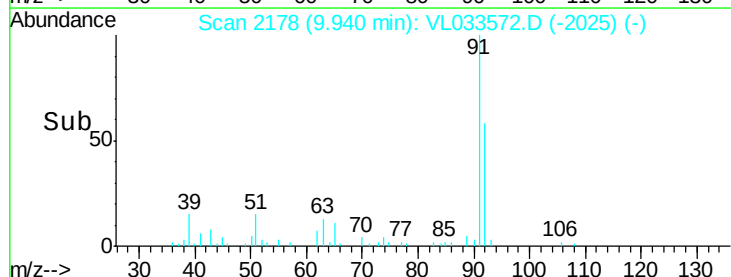
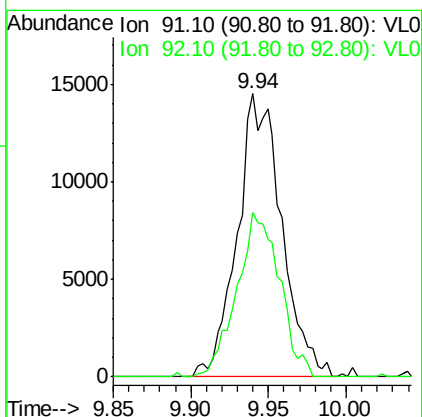
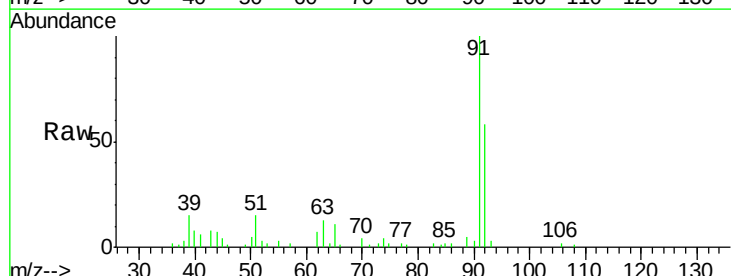
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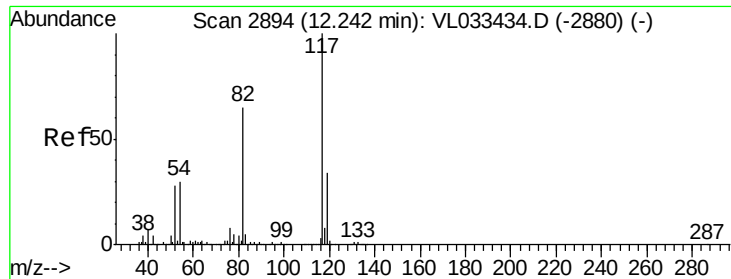
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#53
Toluene
Concen: 0.137 ppbv m
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.2	47.4	71.0





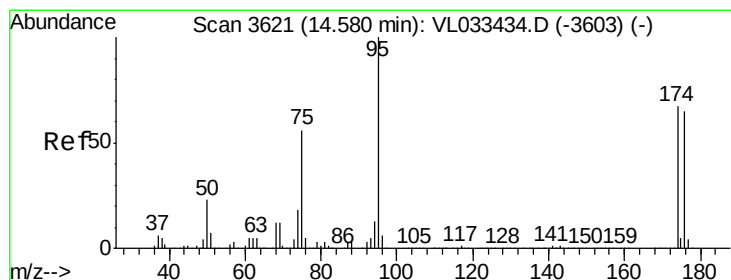
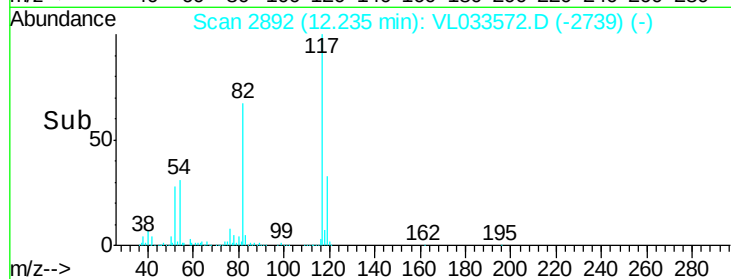
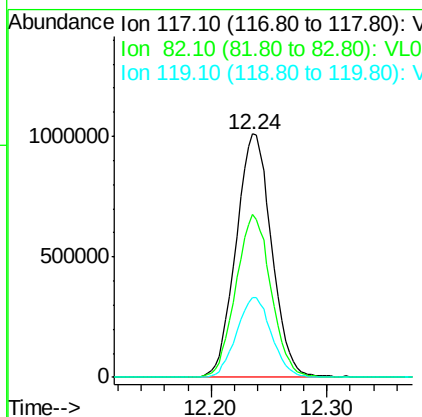
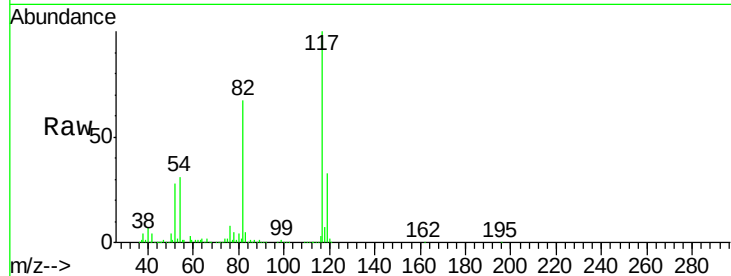
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.6	51.5	77.3
119	32.4	25.5	38.3

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.163 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.7	52.9	79.3
175	4.9	3.8	5.6

