

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032019\
 Data File : VL033405.D
 Acq On : 21 Mar 2019 1:00
 Operator : SY/AP
 Sample : K1976-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 8:26:37 AM

Quant Time: Mar 22 06:30:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 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	804199	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1906735	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1809254	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1334945	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	8972m	0.218	ppbv	
13) Ethanol	3.66	45	61873m	3.150	ppbv	
15) Acetone	3.91	43	79892	0.639	ppbv	97
20) Methylene Chloride	4.41	84	26494	0.650	ppbv	97
26) Hexane	5.77	57	28558	0.352	ppbv #	49
53) Toluene	9.95	91	73638	0.380	ppbv	99

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

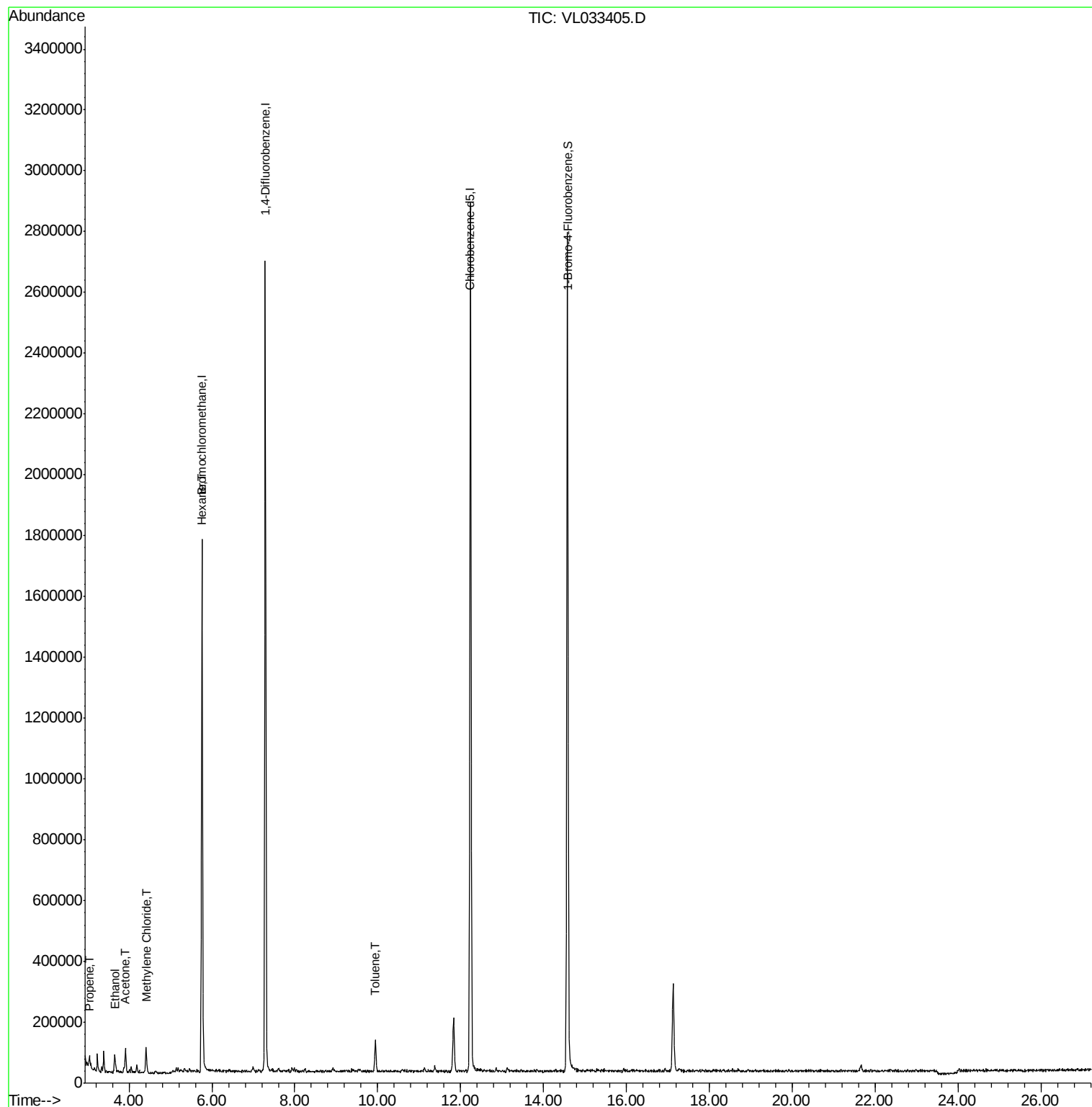
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032019\
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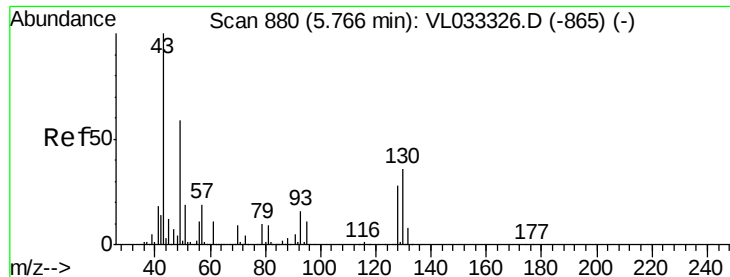
Instrument :
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QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033405.D

Acq: 21 Mar 2019 1:00

Instrument :

MSVOA_L

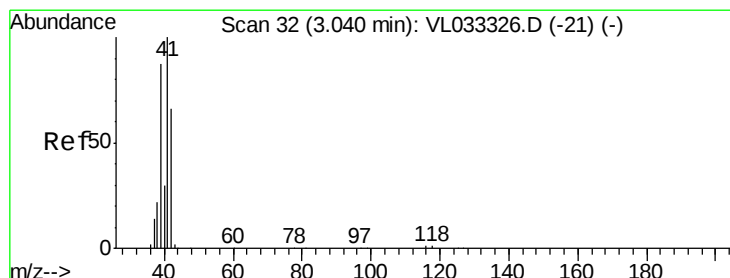
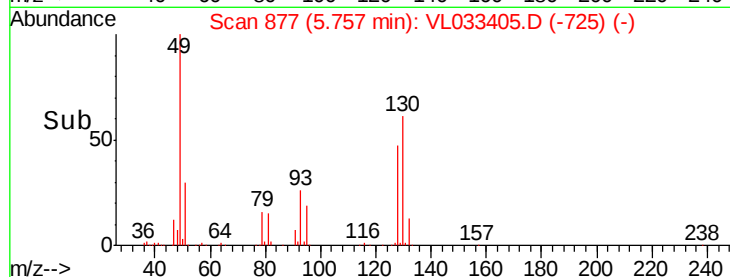
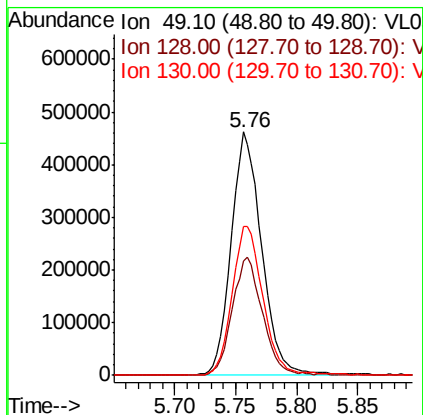
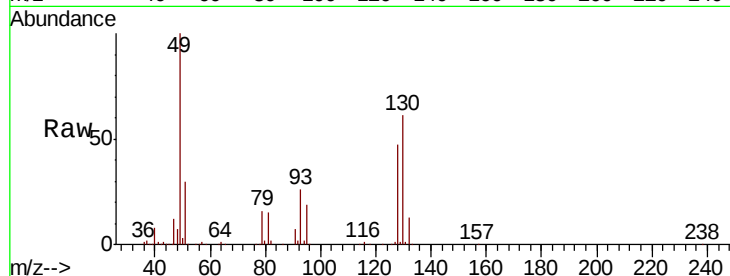
ClientSampled :

IA2DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	48.7	23.5	70.6
130	61.9	30.1	90.3

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#9

Propene

Concen: 0.218 ppbv m

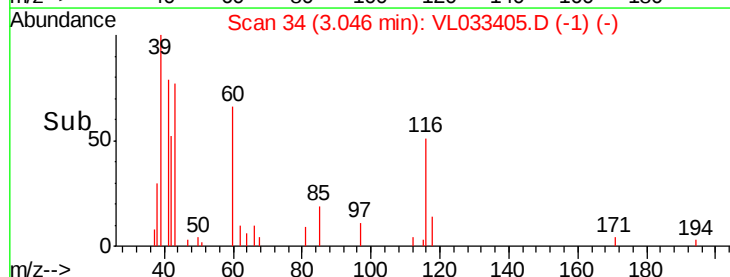
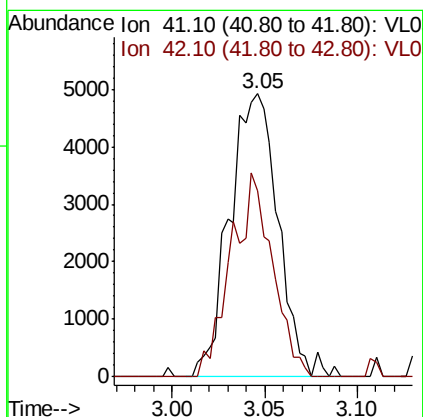
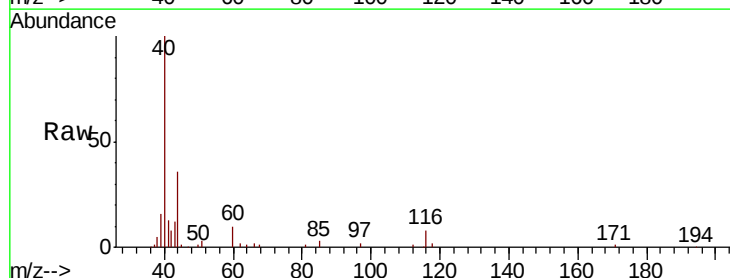
RT: 3.05 min Scan# 34

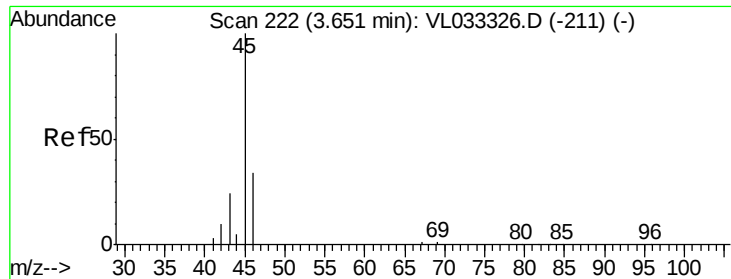
Delta R.T. 0.01 min

Lab File: VL033405.D

Acq: 21 Mar 2019 1:00

Tgt Ion	Ratio	Lower	Upper
41	100		
42	117.8	55.2	82.8#





#13

Ethanol

Concen: 3.150 ppbv m

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033405.D

Acq: 21 Mar 2019 1:00

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 45 Resp: 61873

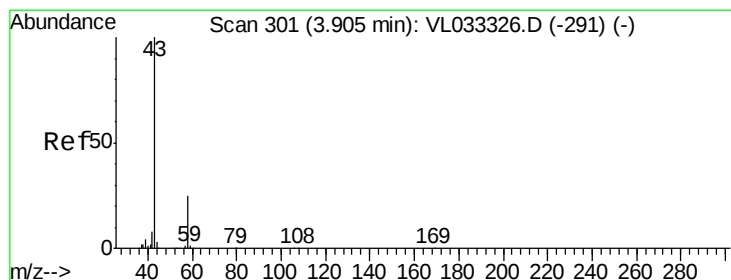
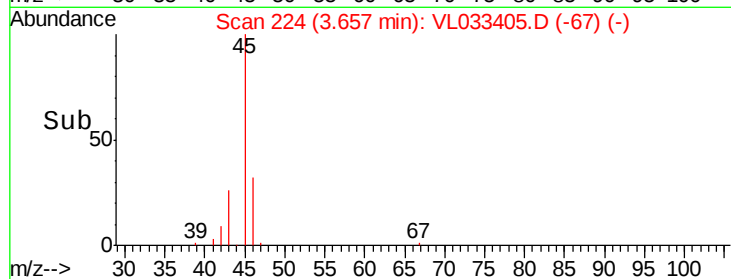
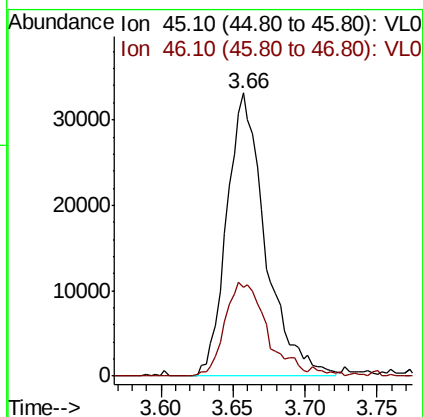
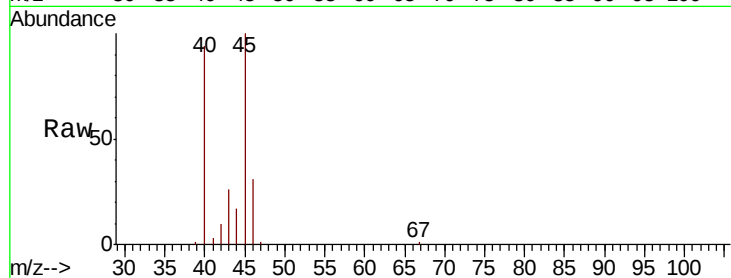
Ion Ratio Lower Upper

45 100

46 37.8 14.9 59.7

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#15

Acetone

Concen: 0.639 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033405.D

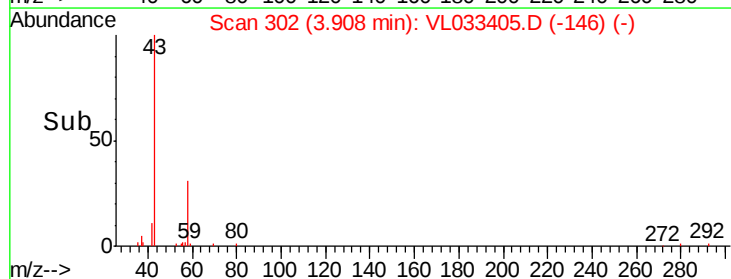
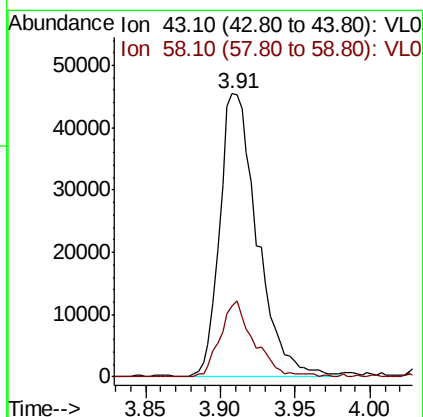
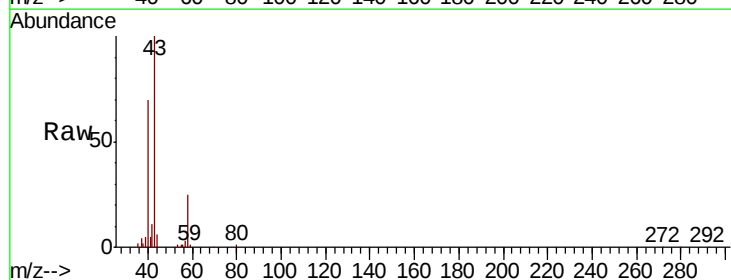
Acq: 21 Mar 2019 1:00

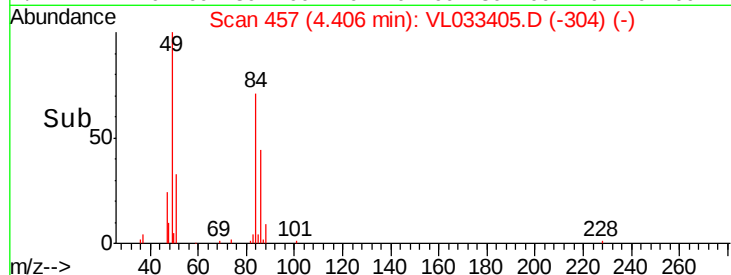
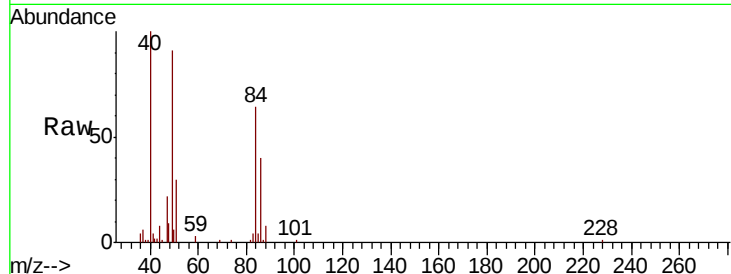
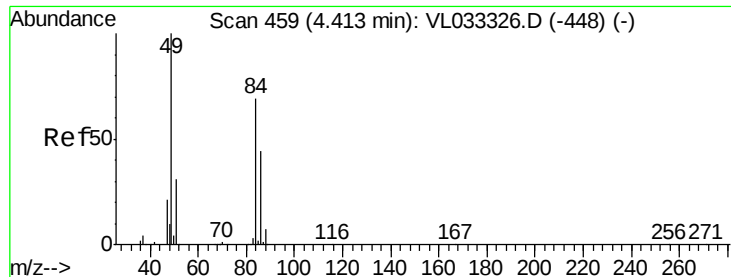
Tgt Ion: 43 Resp: 79892

Ion Ratio Lower Upper

43 100

58 24.2 20.4 30.6





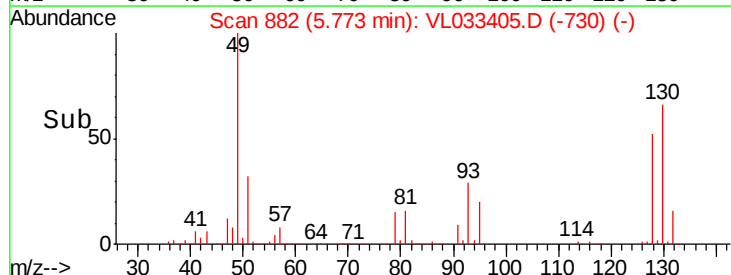
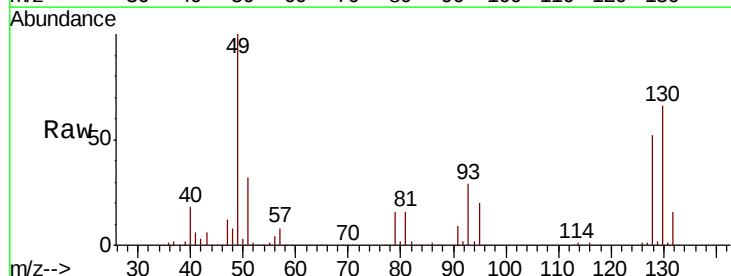
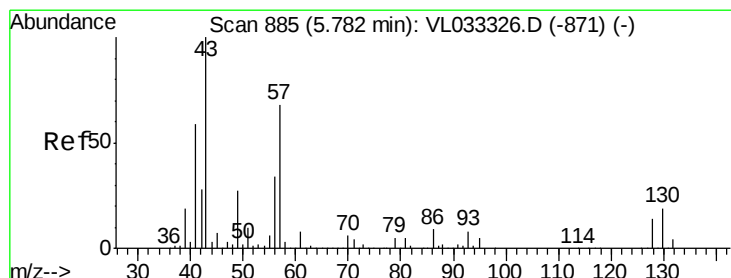
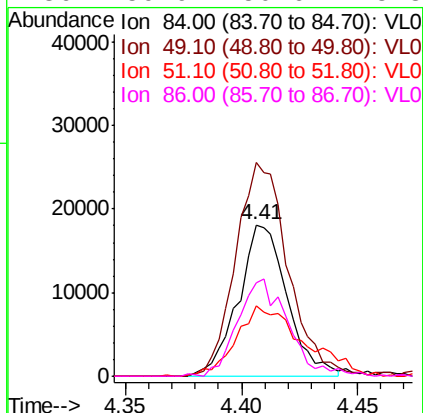
#20
Methvlene Chloride
Concen: 0.650 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL033405.D
Acq: 21 Mar 2019 1:00

Tot Ion:	84	Resp:	26494
Ion	Ratio	Lower	Upper
84	100		
49	140.5	115.4	173.0
51	45.1	35.8	53.6
86	59.9	50.6	75.8

Instrument :
MSVOA_L
ClientSampled :
IA2DL

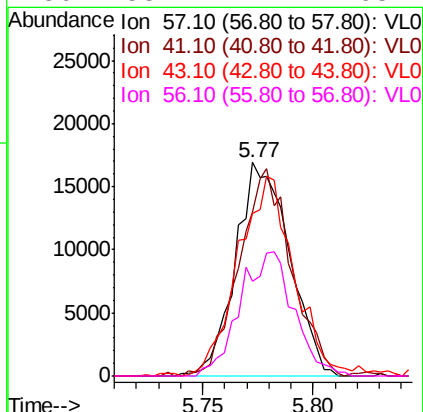
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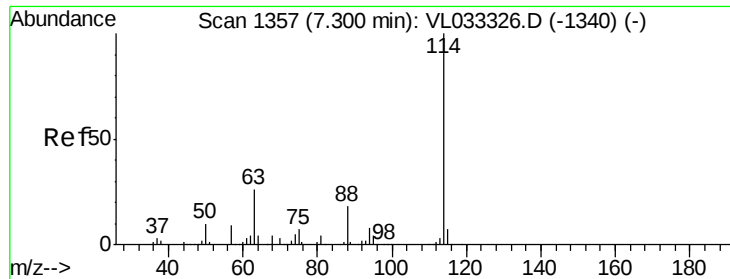
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#26
Hexane
Concen: 0.352 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033405.D
Acq: 21 Mar 2019 1:00

Tgt Ion:	57	Resp:	28558
Ion	Ratio	Lower	Upper
57	100		
41	95.6	70.5	105.7
43	99.4	181.8	272.8#
56	58.2	42.2	63.2





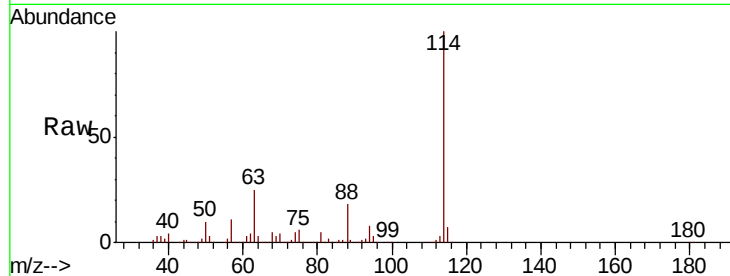
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033405.D
 Acq: 21 Mar 2019 1:00

Instrument :
 MSVOA_L
 ClientSampled :
 IA2DL

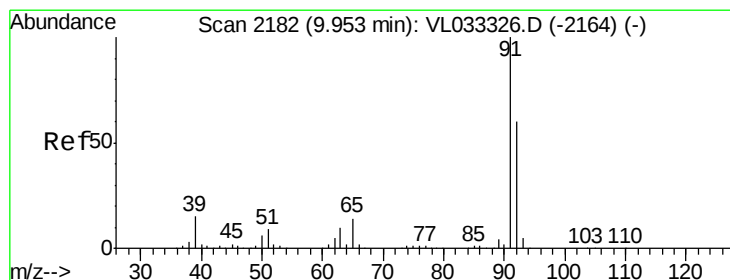
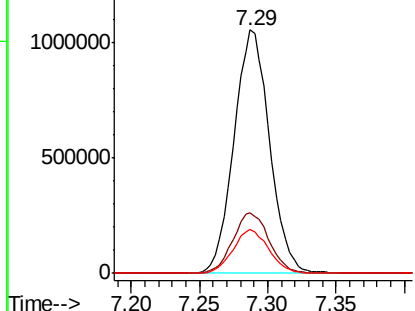
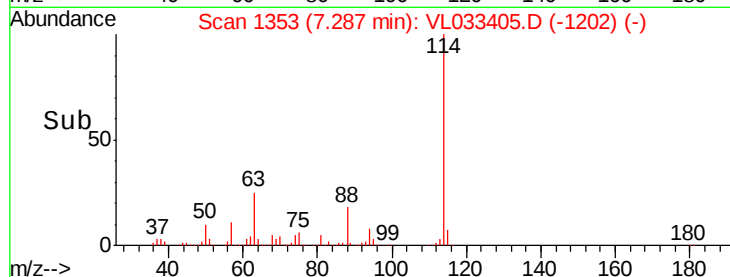
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.4	32.2
88	18.2	14.5	21.7

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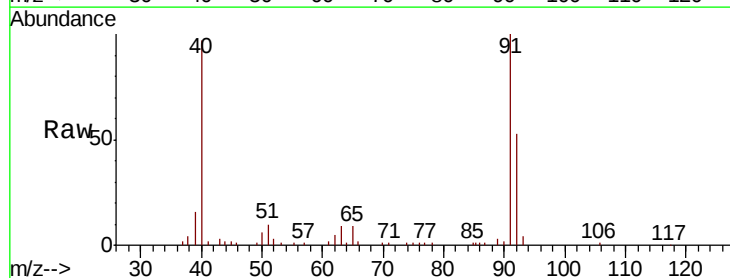


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

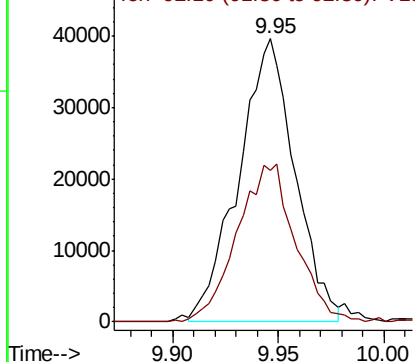
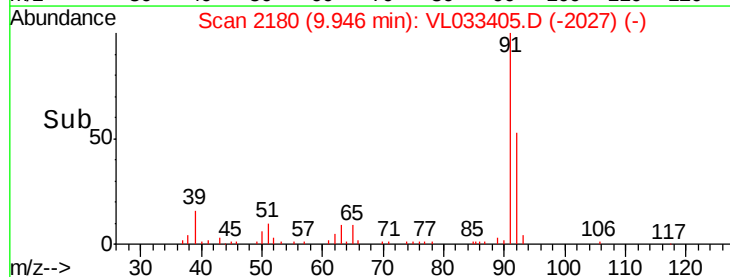


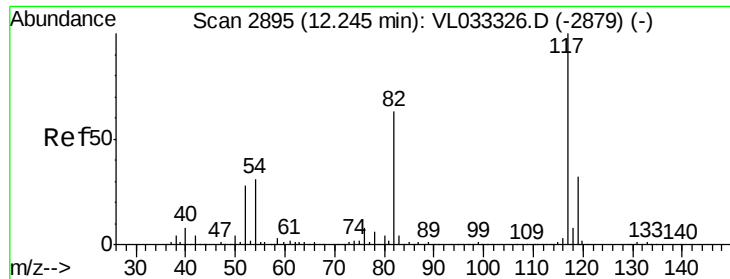
#53
 Toluene
 Concen: 0.380 ppbv
 RT: 9.95 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: VL033405.D
 Acq: 21 Mar 2019 1:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.4	71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0





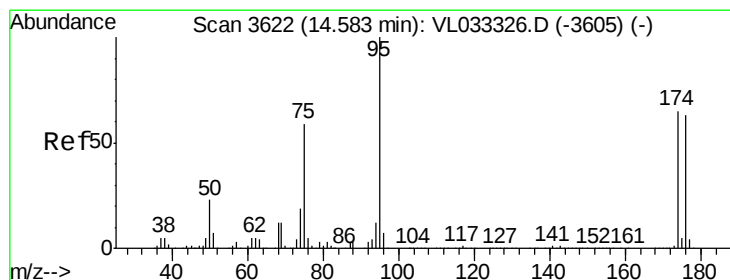
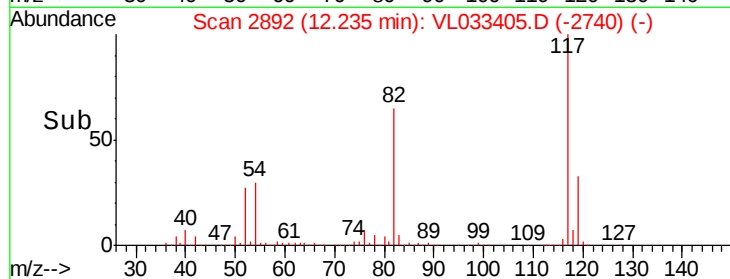
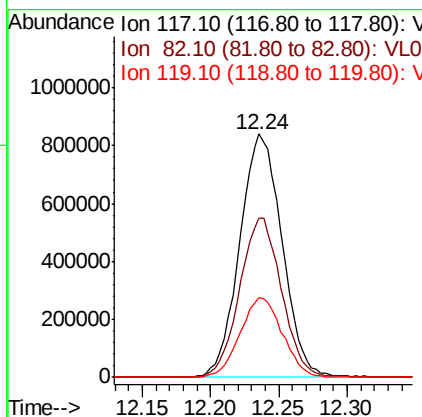
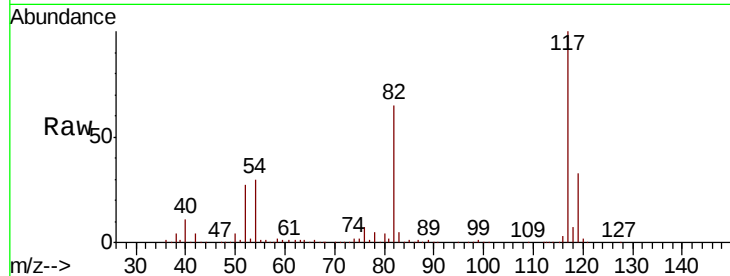
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033405.D
Acq: 21 Mar 2019 1:00

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion:117 Resp: 1809254
Ion Ratio Lower Upper
117 100
82 65.3 53.4 80.2
119 33.0 27.3 40.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.957 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033405.D
Acq: 21 Mar 2019 1:00

Tgt Ion: 95 Resp: 1334945
Ion Ratio Lower Upper
95 100
174 67.0 51.5 77.3
175 4.9 3.8 5.6

