

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033346.D
 Acq On : 16 Mar 2019 1:03
 Operator : SY/AP
 Sample : K1827-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-7DL

Manual Integrations
 APPROVED

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 3/19/2019 10:01:33 AM

Quant Time: Mar 16 06:38:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 16 06:38:44 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	871124	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1944080	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1835979	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1403586	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	10517m	0.236	ppbv	
13) Ethanol	3.65	45	214085	10.061	ppbv	99
15) Acetone	3.91	43	94768	0.700	ppbv	98
19) Isopropyl Alcohol	4.03	45	82894m	1.287	ppbv	
25) Ethyl Acetate	5.77	43	41336	0.210	ppbv #	95
26) Hexane	5.78	57	13611	0.155	ppbv #	64
53) Toluene	9.95	91	244688	1.238	ppbv	99

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

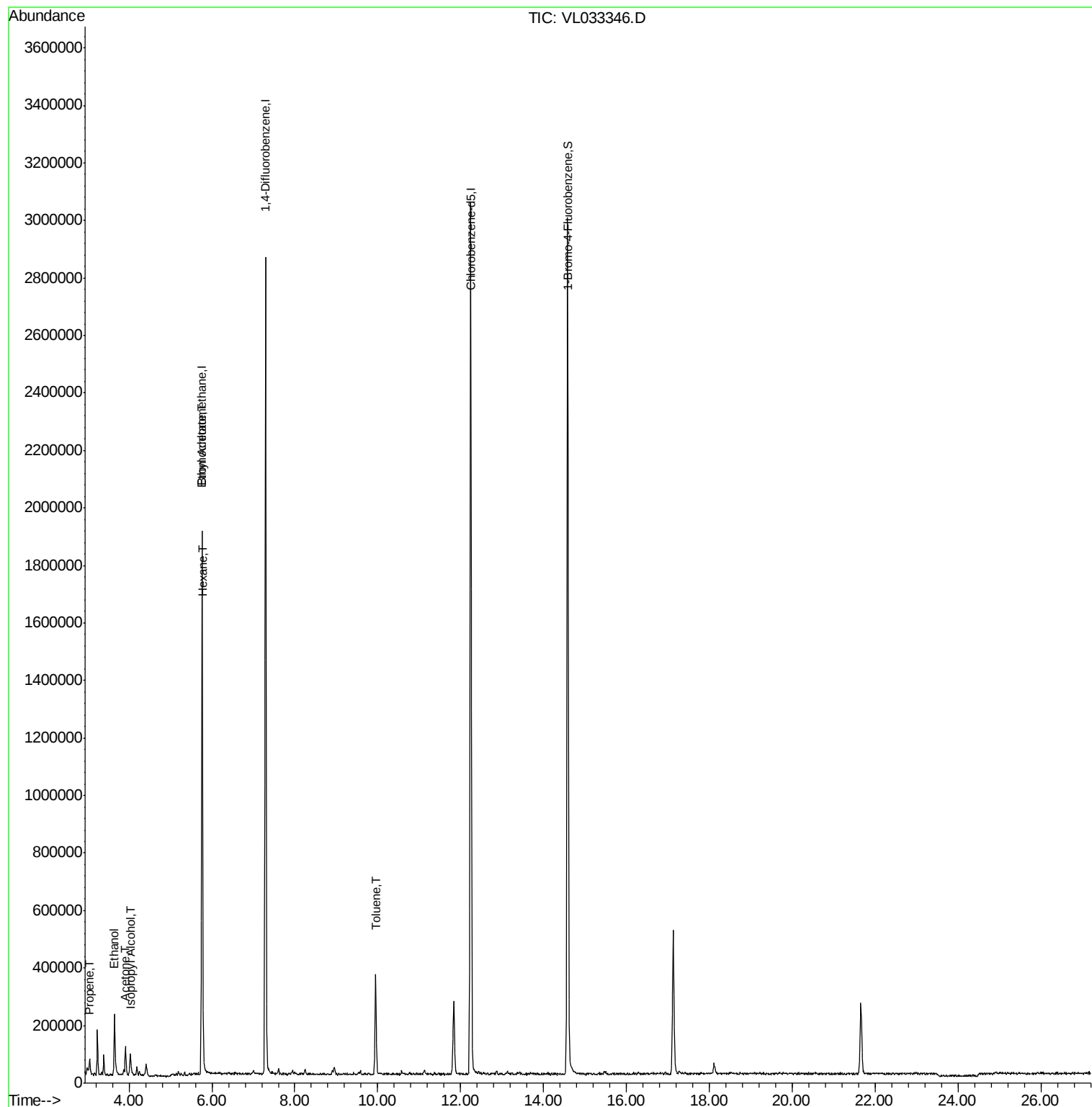
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
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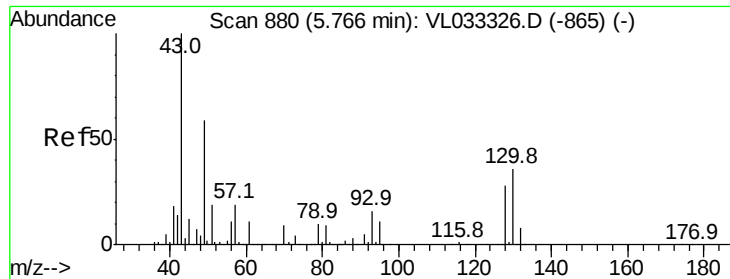
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
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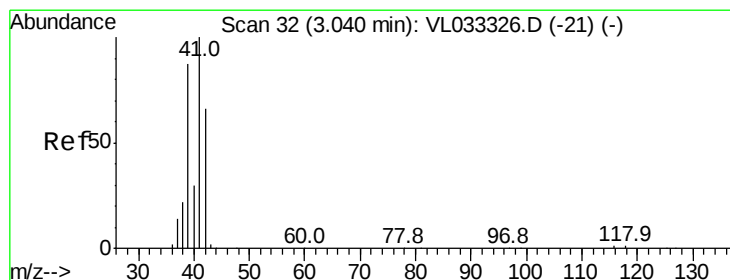
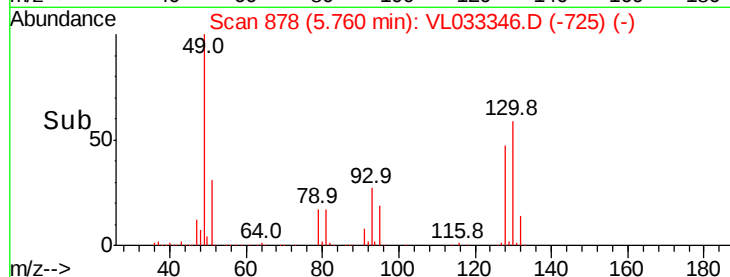
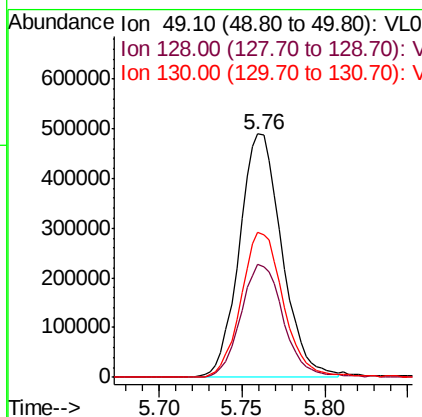
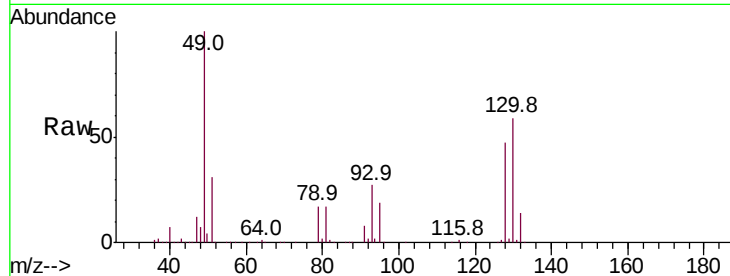
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033346.D
Acq: 16 Mar 2019 1:03

Instrument :
MSVOA_L
ClientSampled :
A-7DL

Tot Ion: 49 Resp: 871124
Ion Ratio Lower Upper
49 100
128 47.0 23.5 70.6
130 60.1 30.1 90.3

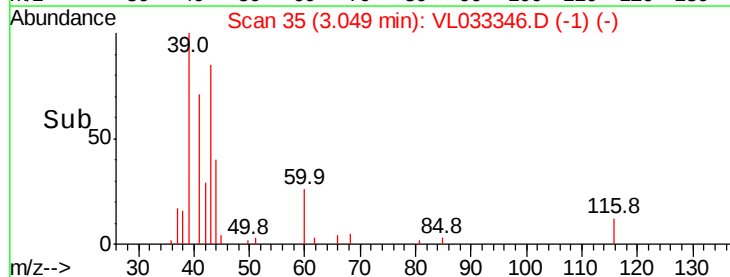
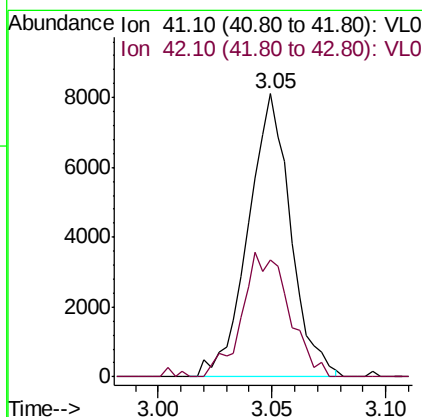
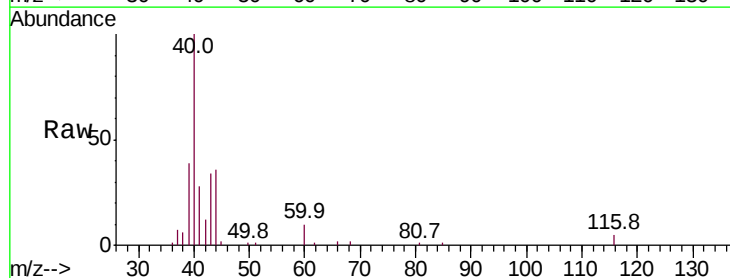
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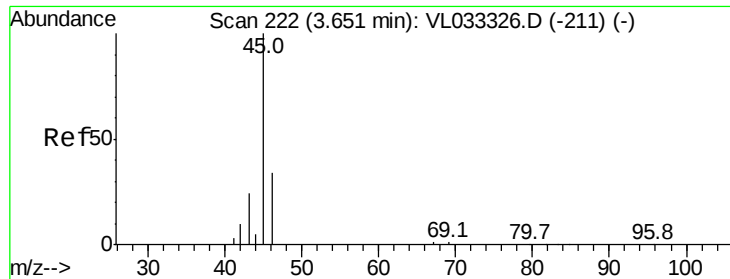
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#9
Propene
Concen: 0.236 ppbv m
RT: 3.05 min Scan# 35
Delta R.T. 0.01 min
Lab File: VL033346.D
Acq: 16 Mar 2019 1:03

Tgt Ion: 41 Resp: 10517
Ion Ratio Lower Upper
41 100
42 246.6 55.2 82.8#





#13

Ethanol

Concen: 10.061 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033346.D

Acq: 16 Mar 2019 1:03

Instrument :

MSVOA_L

ClientSampleId :

A-7DL

Tot Ion: 45 Resp: 214085

Ion Ratio Lower Upper

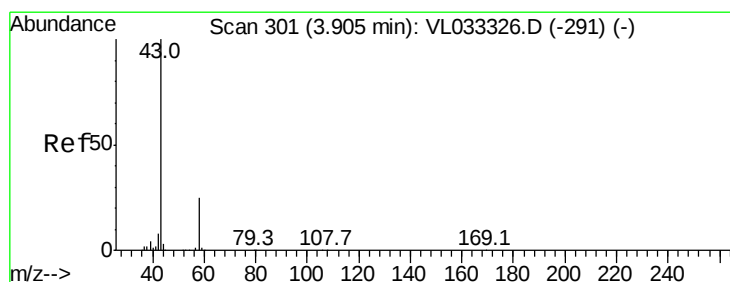
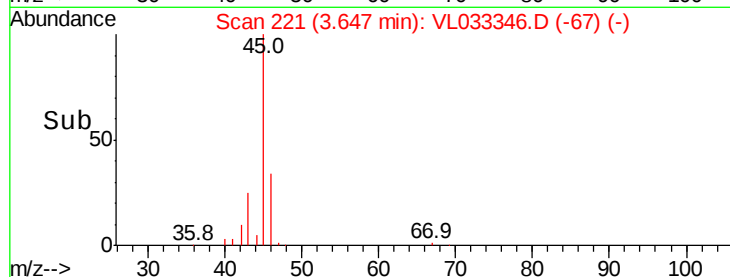
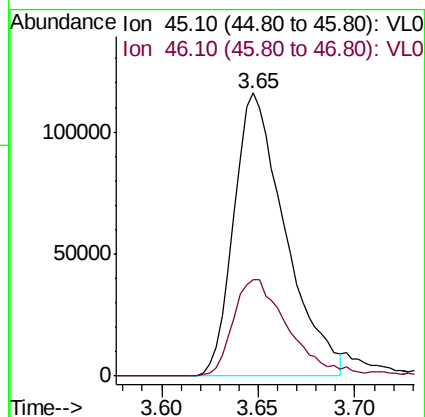
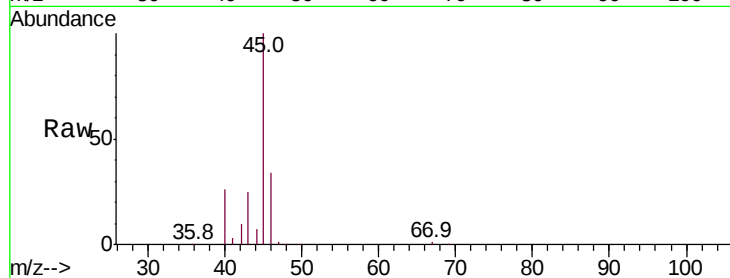
45 100

46 38.1 14.9 59.7

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#15

Acetone

Concen: 0.700 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033346.D

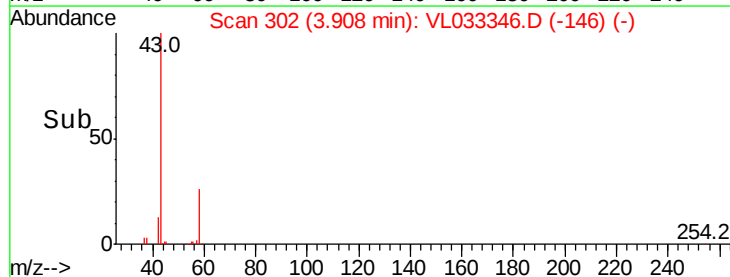
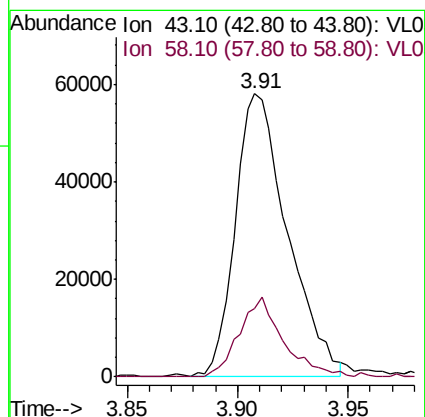
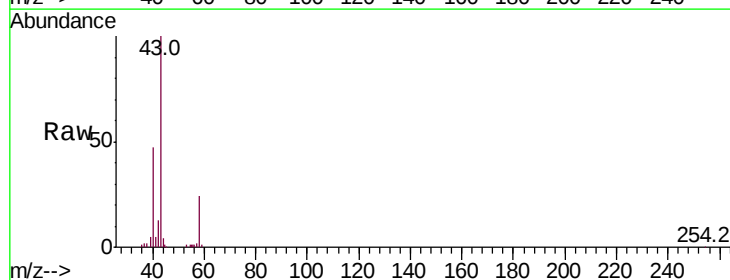
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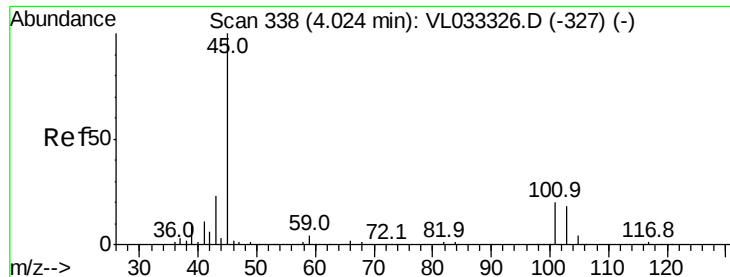
Tgt Ion: 43 Resp: 94768

Ion Ratio Lower Upper

43 100

58 24.6 20.4 30.6





#19

Isopropyl Alcohol

Concen: 1.287 ppbv m

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033346.D

Acq: 16 Mar 2019 1:03

Instrument :

MSVOA_L

ClientSampleId :

A-7DL

Tot Ion: 45 Resp: 82894

Ion Ratio Lower Upper

45 100

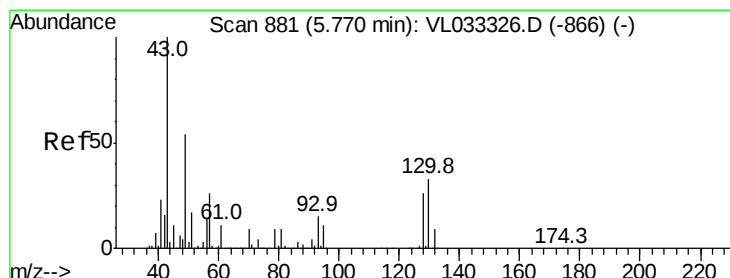
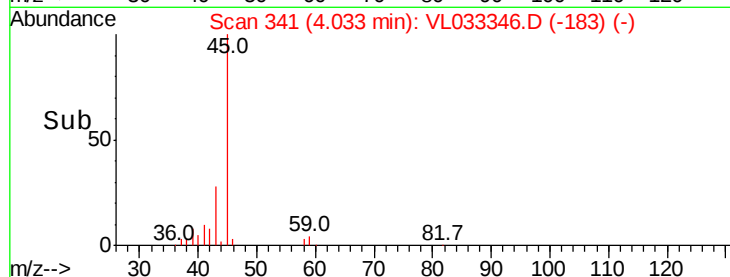
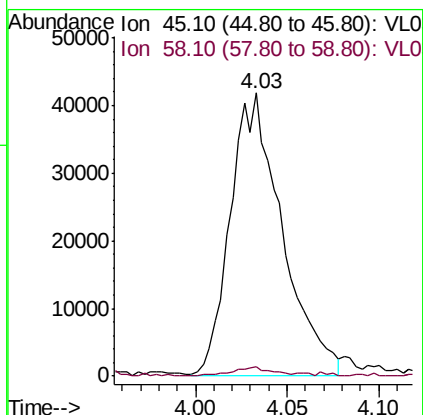
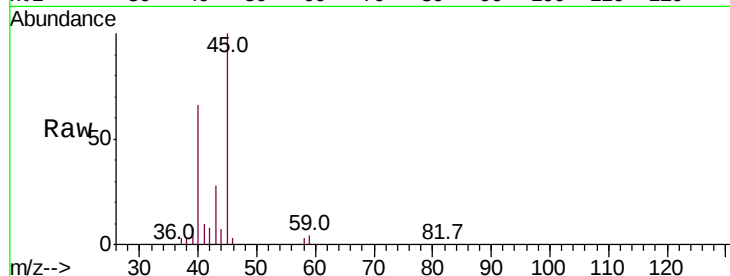
58 3.2 1.5 2.3#

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#25

Ethyl Acetate

Concen: 0.210 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL033346.D

Acq: 16 Mar 2019 1:03

Tgt Ion: 43 Resp: 41336

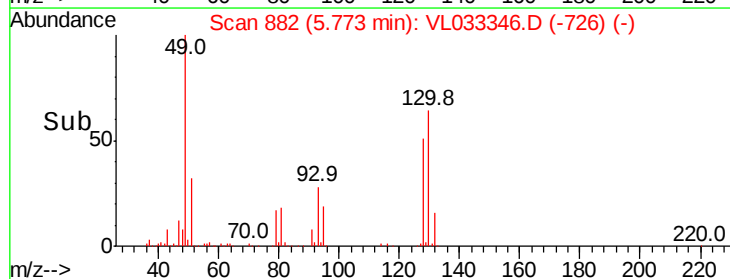
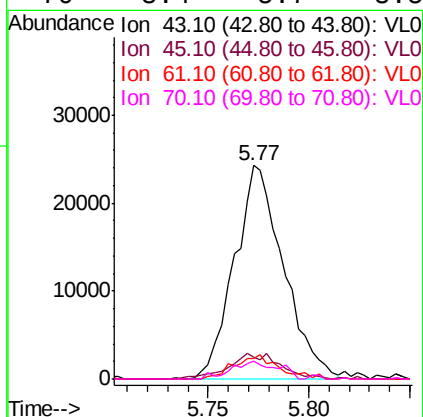
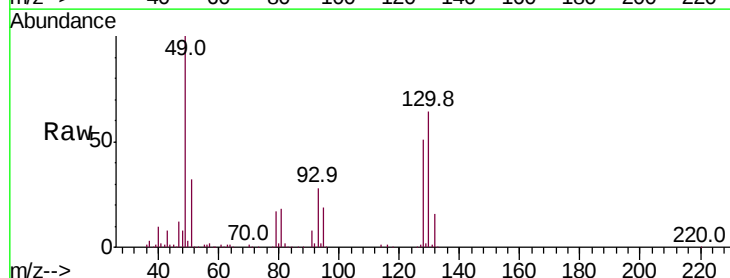
Ion Ratio Lower Upper

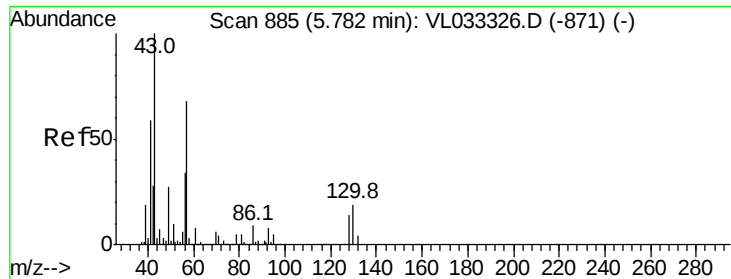
43 100

45 12.8 7.9 11.9#

61 10.4 7.4 11.2

70 8.4 5.7 8.5





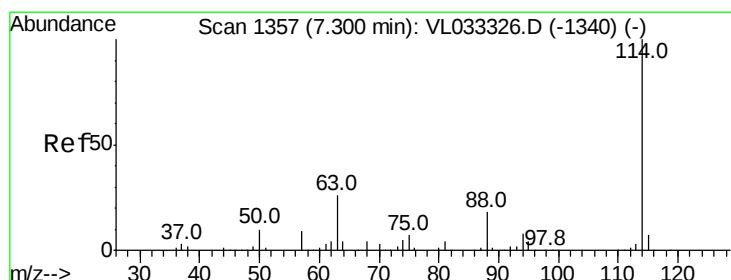
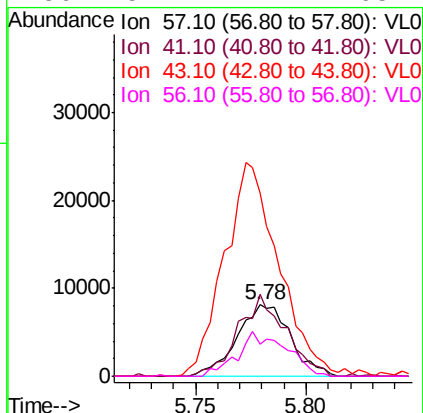
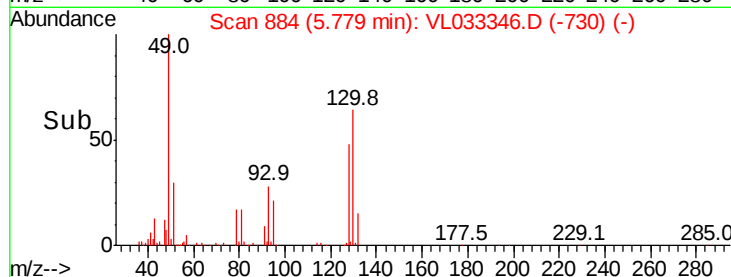
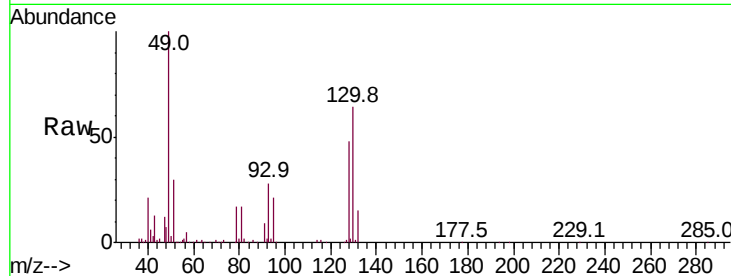
#26
Hexane
Concen: 0.155 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033346.D
Acq: 16 Mar 2019 1:03

Instrument :
MSVOA_L
ClientSampled :
A-7DL

Tot Ion: 57 Resp: 13611
Ion Ratio Lower Upper
57 100
41 103.1 70.5 105.7
43 310.6 181.8 272.8#
56 57.2 42.2 63.2

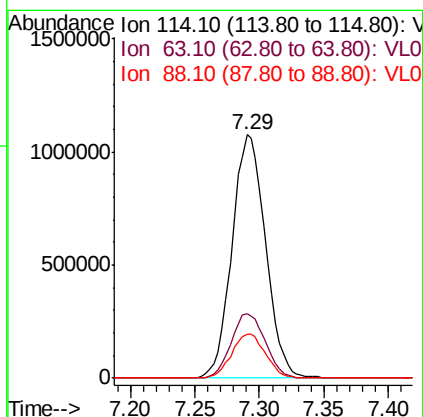
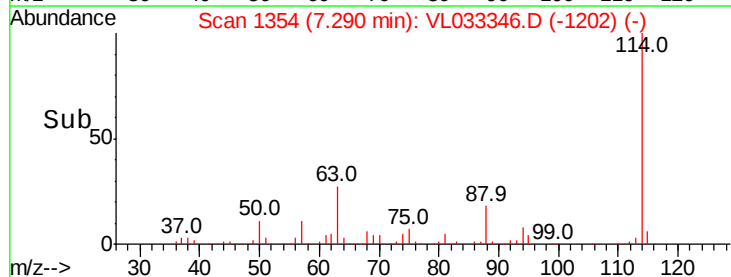
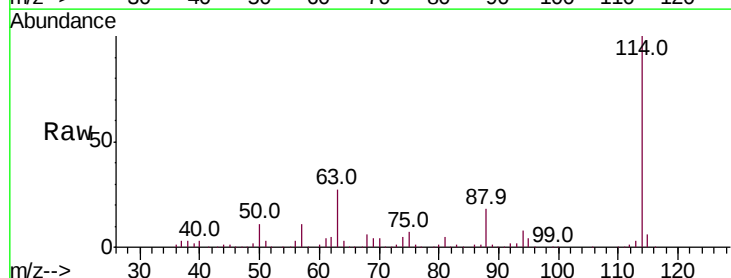
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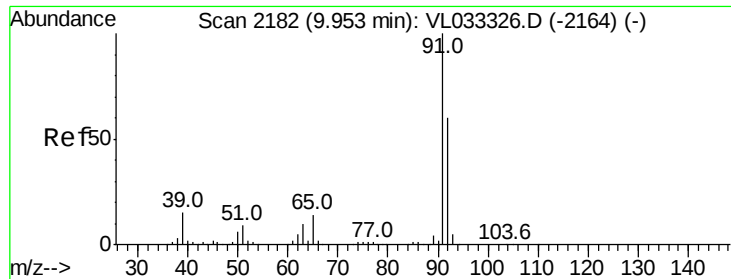
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033346.D
Acq: 16 Mar 2019 1:03

Tgt Ion: 114 Resp: 1944080
Ion Ratio Lower Upper
114 100
63 27.0 21.4 32.2
88 18.3 14.5 21.7





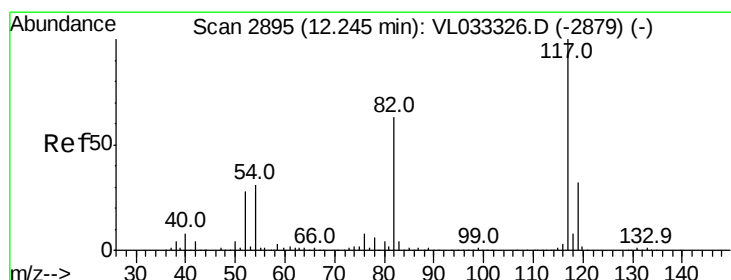
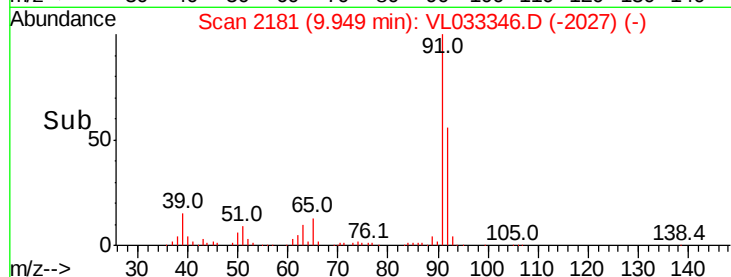
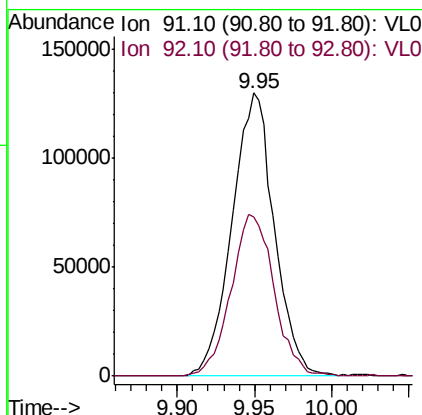
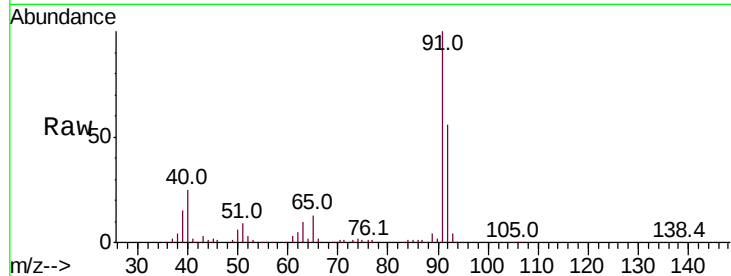
#53
Toluene
Concen: 1.238 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033346.D
Acq: 16 Mar 2019 1:03

Instrument :
MSVOA_L
ClientSampled :
A-7DL

Tot Ion: 91 Resp: 244688
Ion Ratio Lower Upper
91 100
92 58.6 47.4 71.0

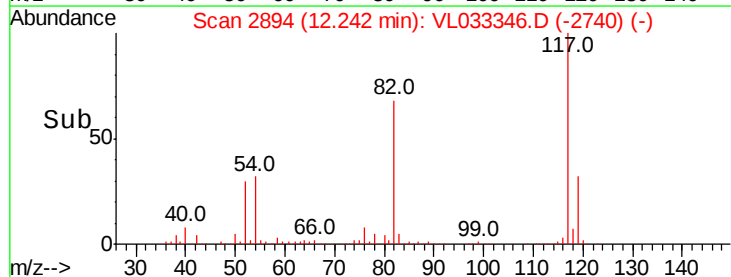
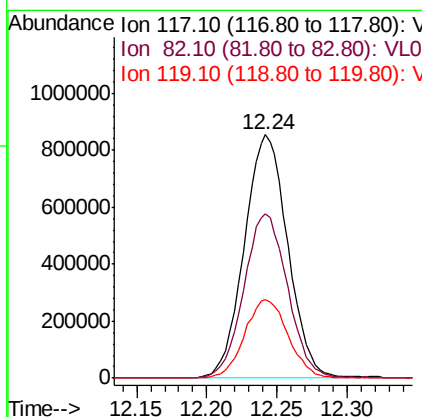
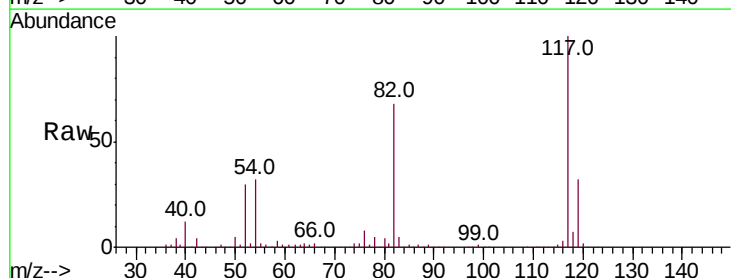
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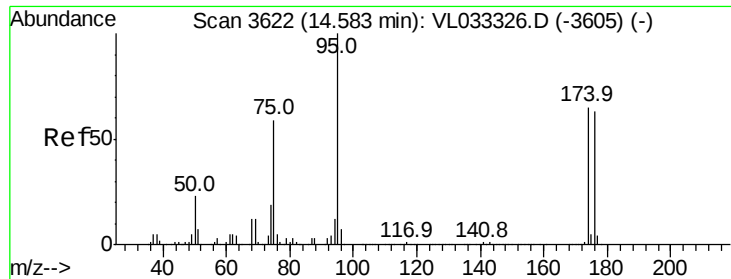
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033346.D
Acq: 16 Mar 2019 1:03

Tgt Ion: 117 Resp: 1835979
Ion Ratio Lower Upper
117 100
82 68.3 53.4 80.2
119 32.4 27.3 40.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.317 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VL033346.D
 Acq: 16 Mar 2019 1:03

Instrument :
 MSVOA_L
 ClientSampleId :
 A-7DL

Tot Ion: 95 Resp: 1403586
 Ion Ratio Lower Upper
 95 100
 174 64.3 51.5 77.3
 175 4.7 3.8 5.6

Manual Integrations
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 3/19/2019 10:01:33 AM

