

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033857.D
 Acq On : 30 May 2019 5:32
 Operator : SY/AP
 Sample : K3067-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4-20190523-ODL

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Quant Time: May 30 06:49:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	692286	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1600148	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1592973	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1263581	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	24012	2.203	ppbv	100
15) Acetone	3.90	43	169814	1.768	ppbv	100
19) Isopropyl Alcohol	4.03	45	24377	0.394	ppbv #	82
20) Methylene Chloride	4.41	84	9689m	0.262	ppbv	
26) Hexane	5.77	57	14252	0.196	ppbv #	44
34) 2-Butanone	5.34	43	15971m	0.161	ppbv	
52) Tetrachloroethene	11.36	164	8462m	0.165	ppbv	
53) Toluene	9.93	91	22577m	0.144	ppbv	

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

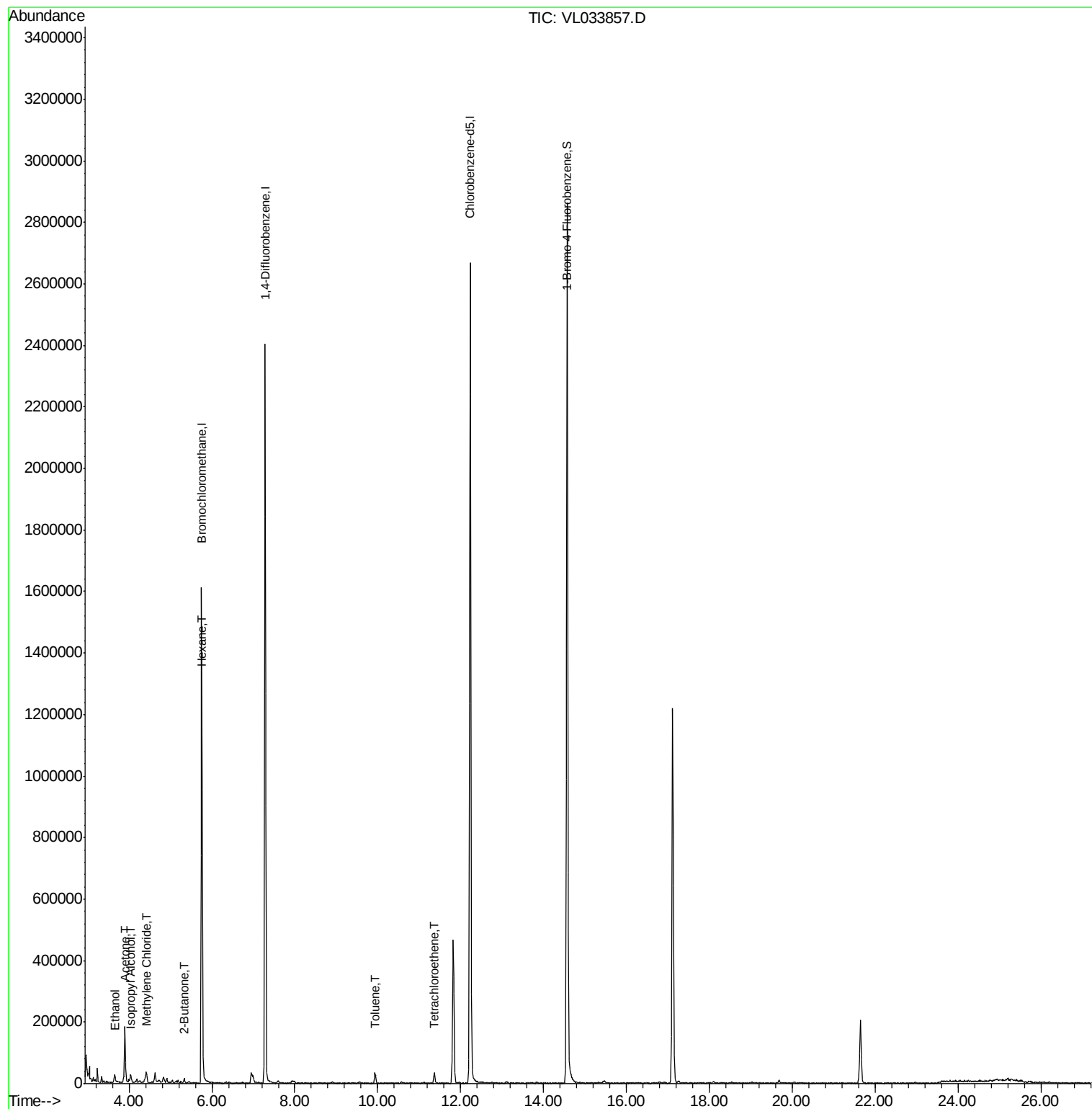
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
Data File : VL033857.D
Acq On : 30 May 2019 5:32
Operator : SY/AP
Sample : K3067-07DL 10X
Misc : 400ml/MSVOA L
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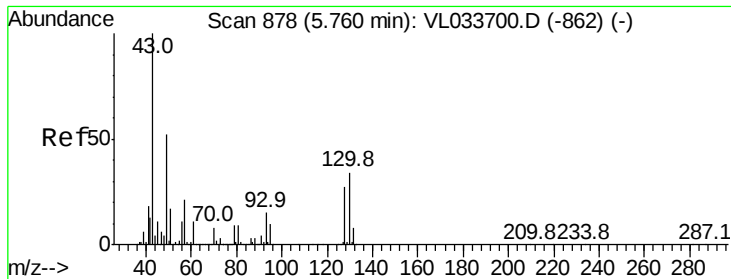
Instrument :
MSVOA_L
ClientSampleId :
SG-4-20190523-0DL

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Quant Time: May 30 06:49:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033857.D

Acq: 30 May 2019 5:32

Instrument :

MSVOA_L

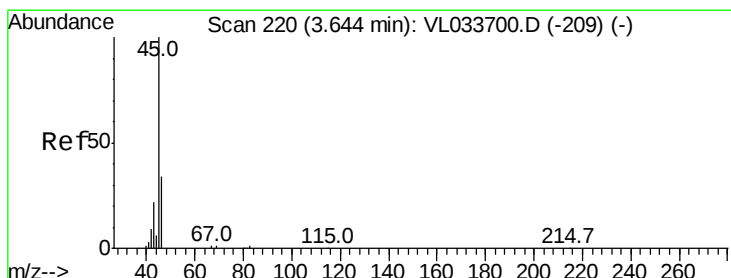
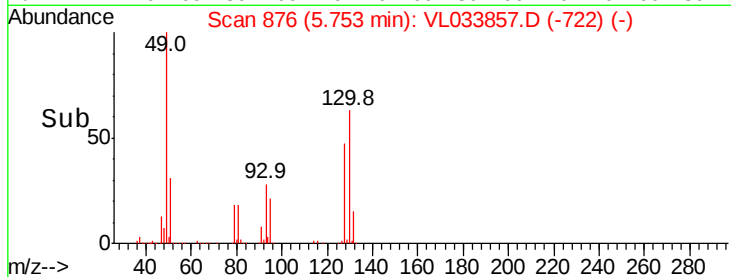
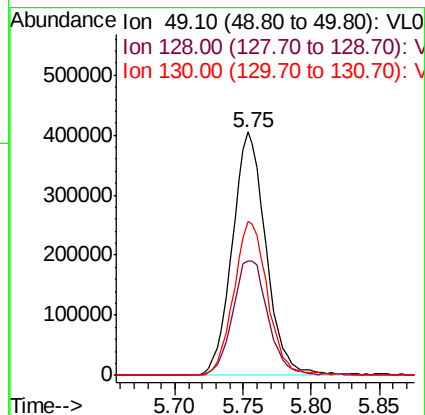
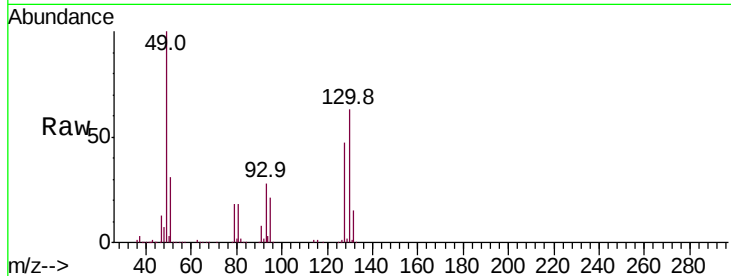
ClientSampleId :

SG-4-20190523-0DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.7	25.2	75.6
130	64.1	32.5	97.5

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#13

Ethanol

Concen: 2.203 ppbv

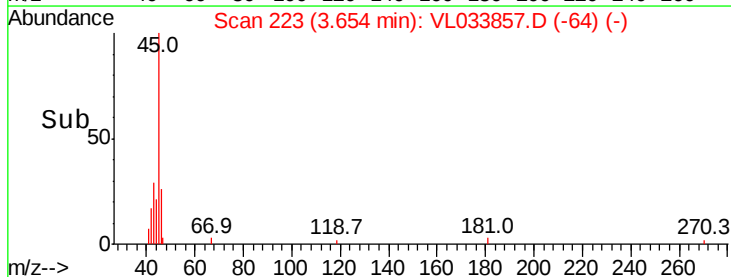
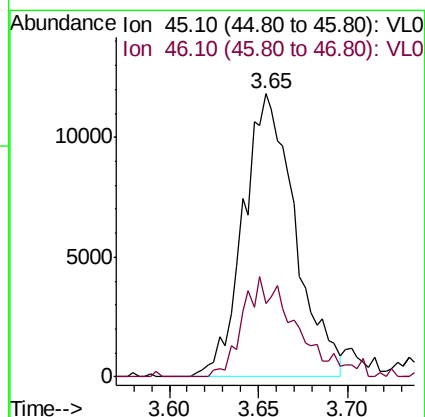
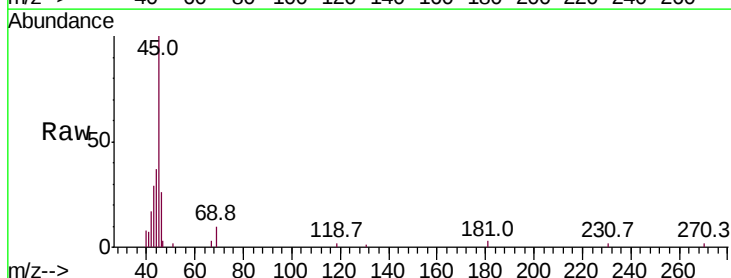
RT: 3.65 min Scan# 223

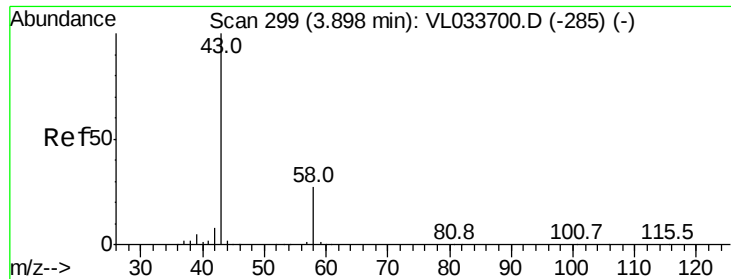
Delta R.T. 0.01 min

Lab File: VL033857.D

Acq: 30 May 2019 5:32

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.0	14.8	59.0





#15

Acetone

Concen: 1.768 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033857.D

Acq: 30 May 2019 5:32

Instrument :

MSVOA_L

ClientSampleId :

SG-4-20190523-0DL

Tot Ion: 43 Resp: 169814

Ion Ratio Lower Upper

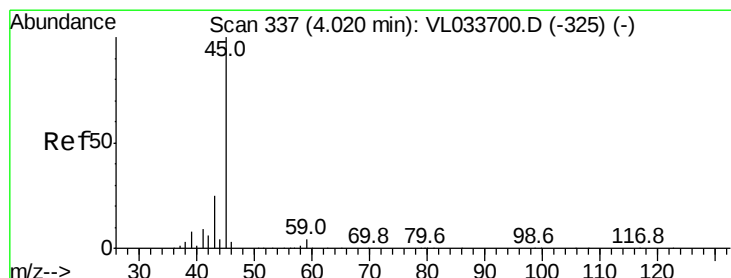
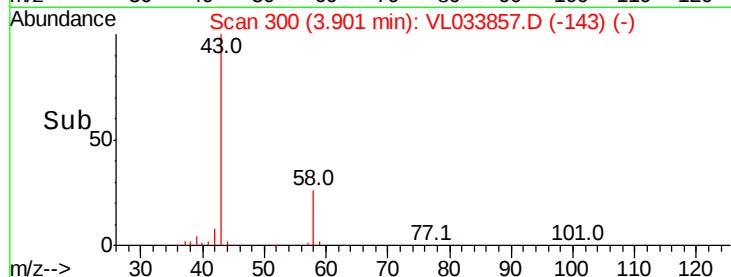
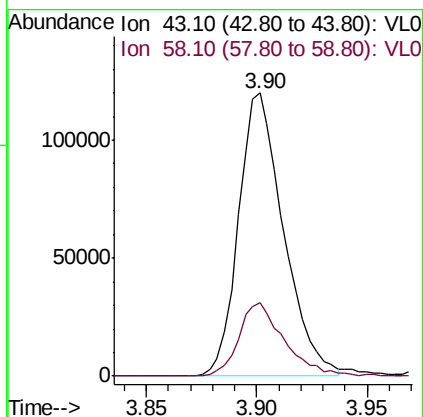
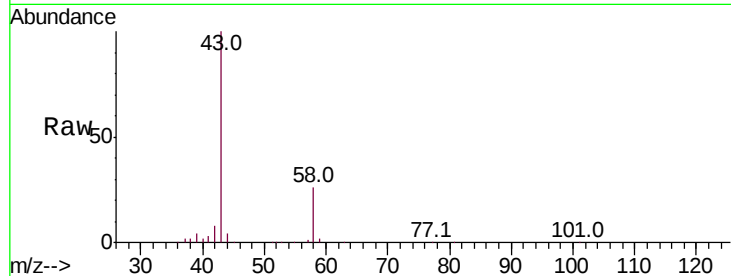
43 100

58 26.5 21.3 31.9

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#19

Isopropyl Alcohol

Concen: 0.394 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033857.D

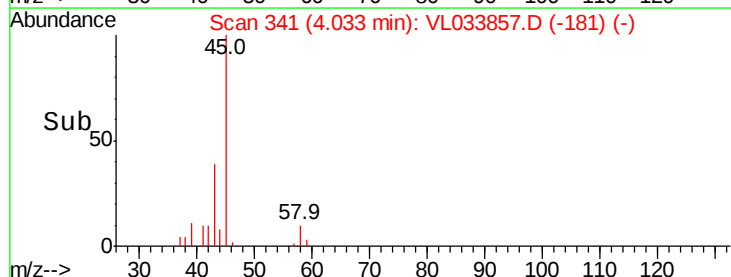
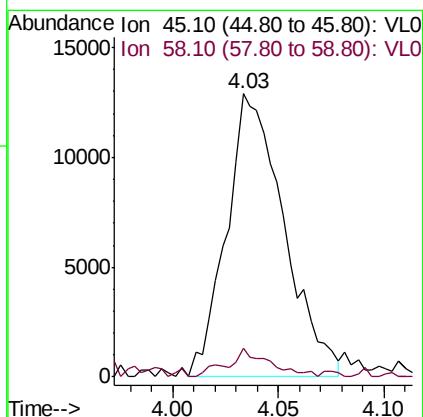
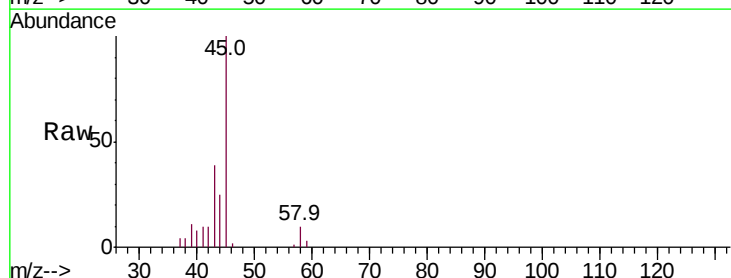
Acq: 30 May 2019 5:32

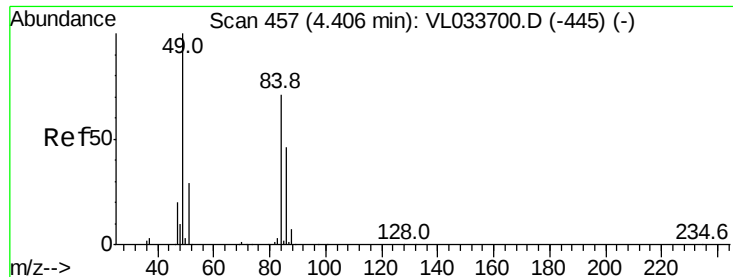
Tgt Ion: 45 Resp: 24377

Ion Ratio Lower Upper

45 100

58 8.3 1.6 2.4#





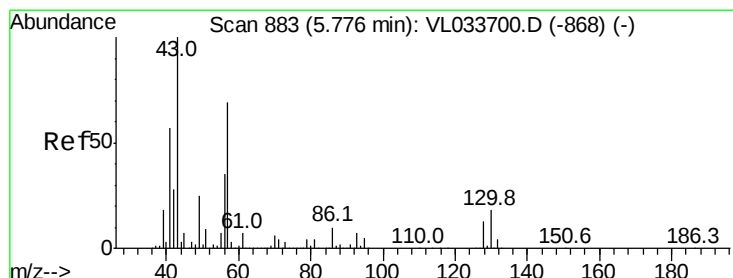
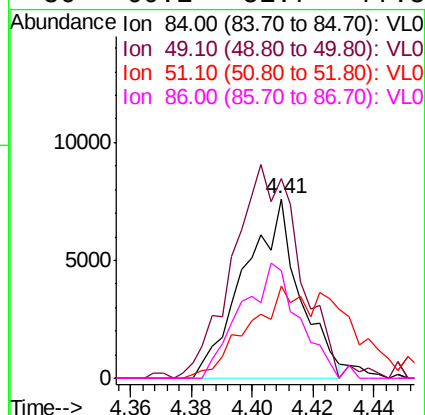
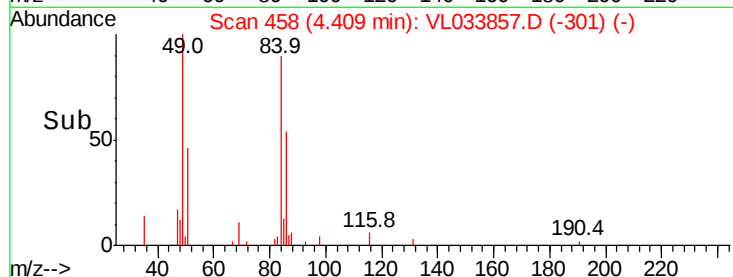
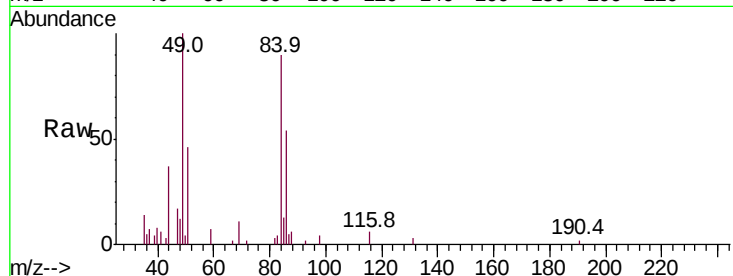
#20
Methvlene Chloride
Concen: 0.262 ppbv m
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4-20190523-0DL

Tot Ion: 84 Resp: 9689
Ion Ratio Lower Upper
84 100
49 111.0 112.8 169.2#
51 51.3 33.4 50.0#
86 60.1 51.7 77.5

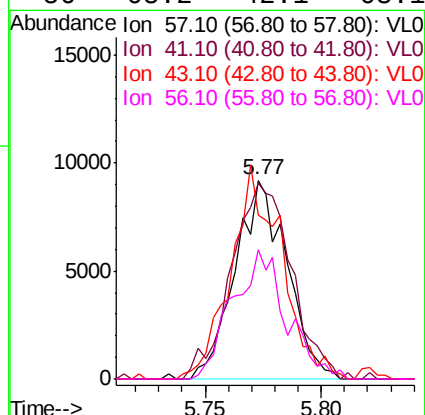
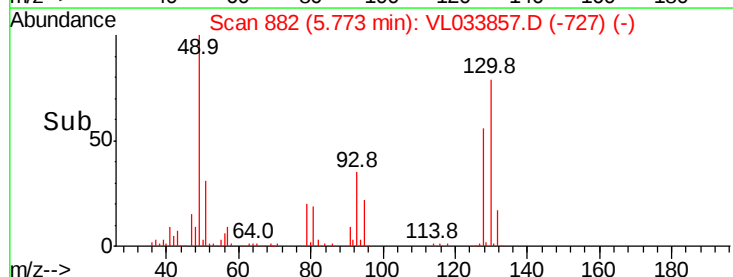
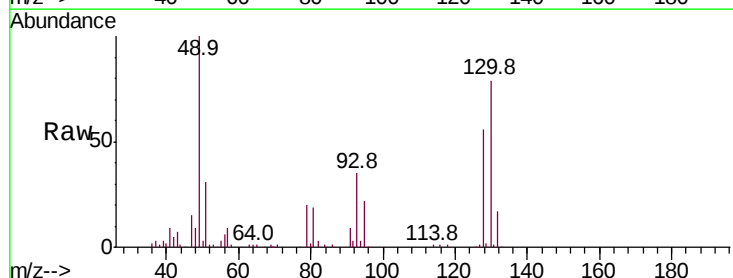
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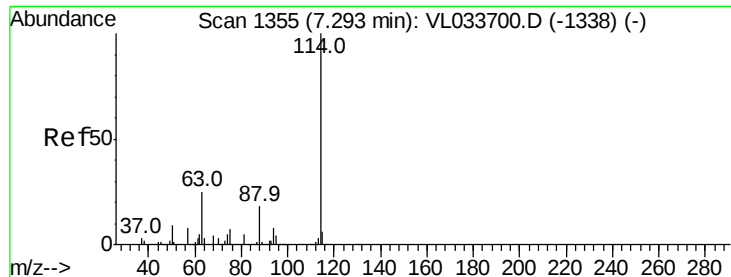
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#26
Hexane
Concen: 0.196 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Tgt Ion: 57 Resp: 14252
Ion Ratio Lower Upper
57 100
41 114.7 69.8 104.6#
43 106.4 181.8 272.6#
56 68.2 42.1 63.1#





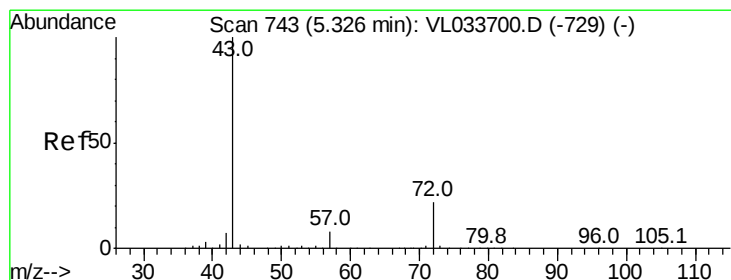
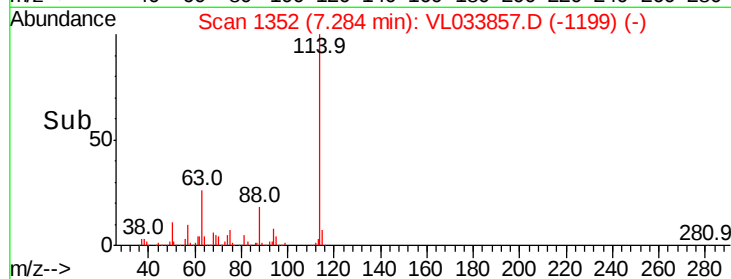
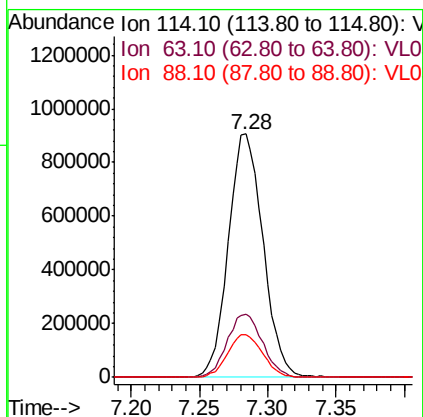
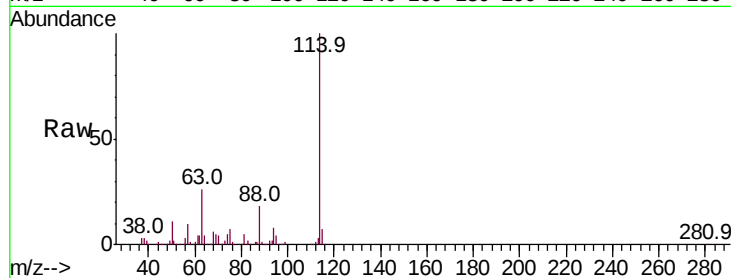
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033857.D
 Acq: 30 May 2019 5:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4-20190523-ODL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.9	31.3
88	17.8	14.3	21.5

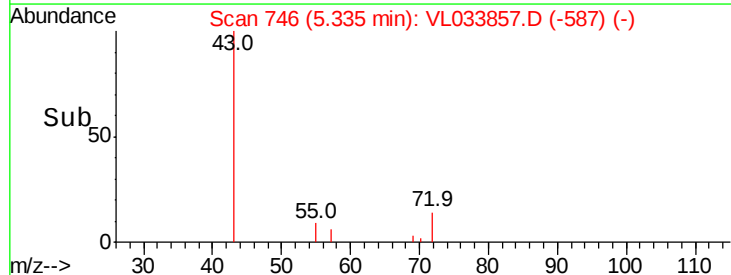
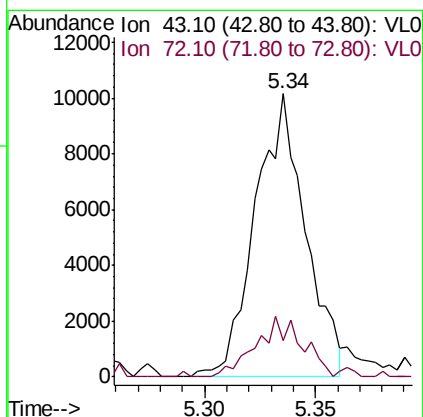
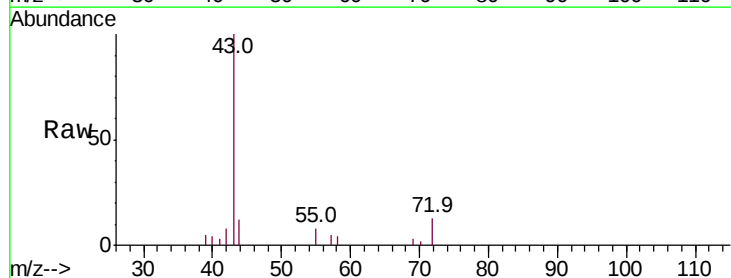
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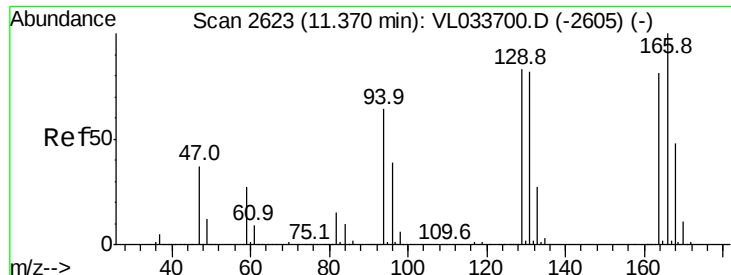
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#34
 2-Butanone
 Concen: 0.161 ppbv m
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033857.D
 Acq: 30 May 2019 5:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#





#52

Tetrachloroethene

Concen: 0.165 ppbv m

RT: 11.36 min Scan# 2620

Delta R.T. -0.01 min

Lab File: VL033857.D

Acq: 30 May 2019 5:32

Instrument :

MSVOA_L

ClientSampleId :

SG-4-20190523-0DL

Tot Ion:164 Resp: 8462

Ion Ratio Lower Upper

164 100

166 95.4 98.9 148.3#

129 94.1 81.8 122.6

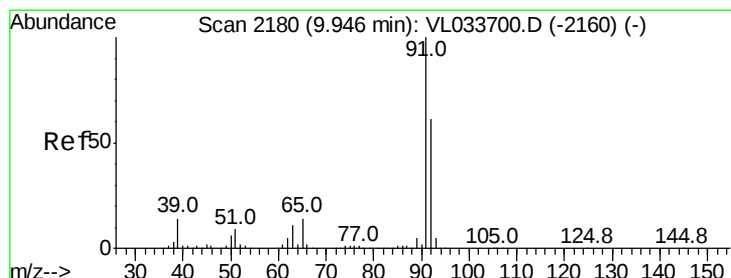
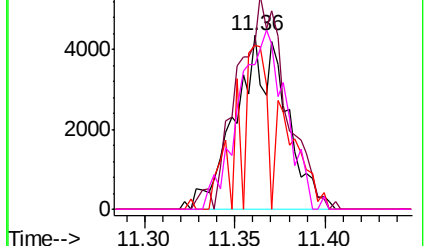
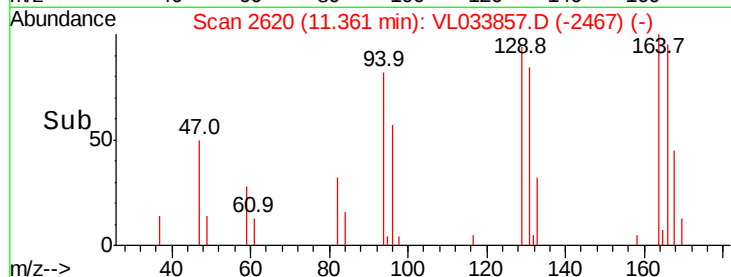
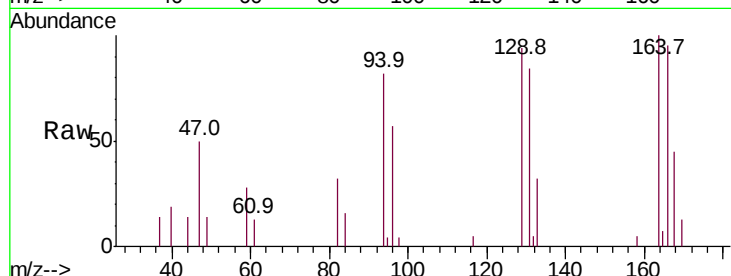
131 83.6 81.1 121.7

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#53

Toluene

Concen: 0.144 ppbv m

RT: 9.93 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VL033857.D

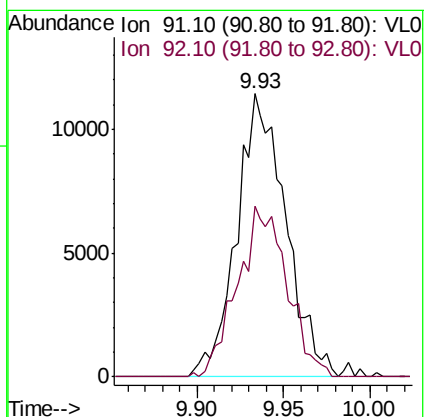
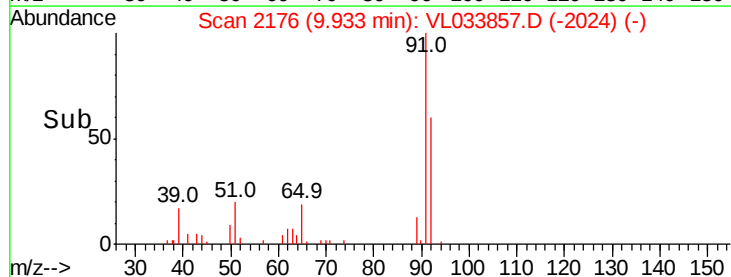
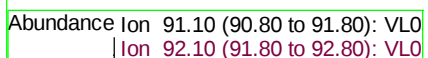
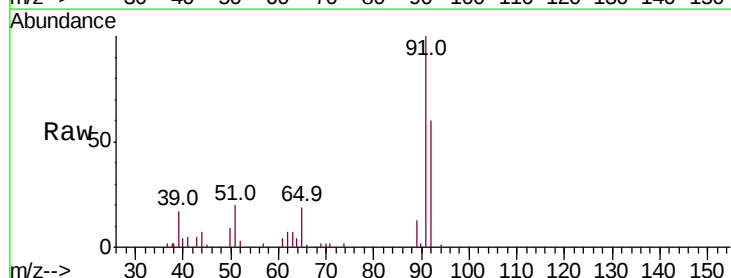
Acq: 30 May 2019 5:32

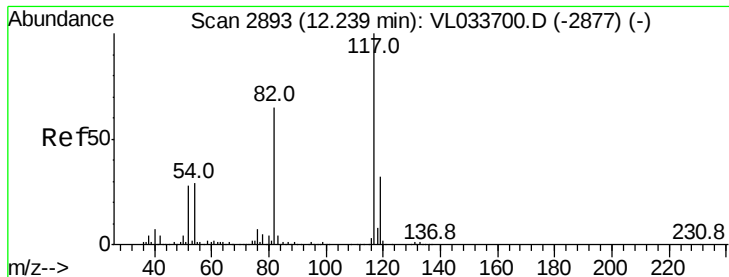
Tgt Ion: 91 Resp: 22577

Ion Ratio Lower Upper

91 100

92 61.0 47.6 71.4





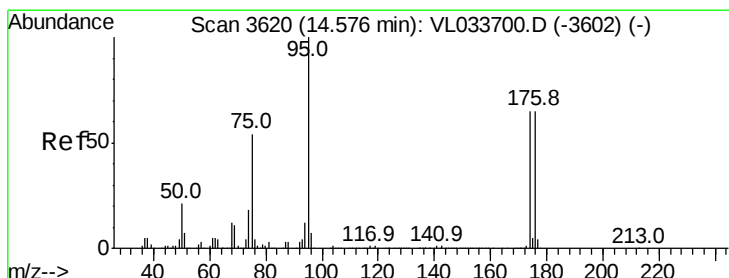
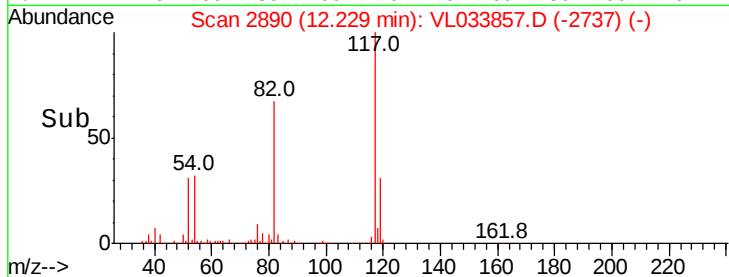
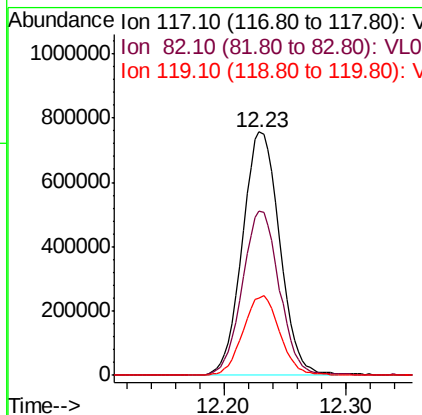
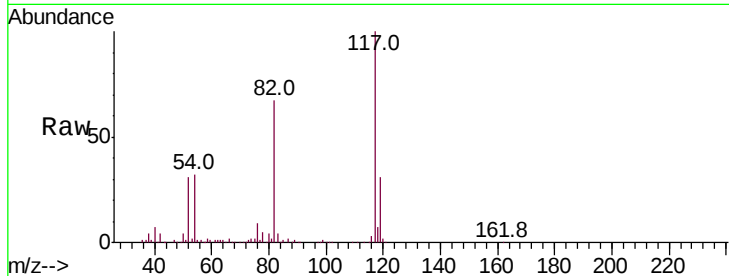
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4-20190523-ODL

Tot Ion:117 Resp: 1592973
Ion Ratio Lower Upper
117 100
82 67.5 49.4 74.0
119 32.4 24.9 37.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.785 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Tgt Ion: 95 Resp: 1263581
Ion Ratio Lower Upper
95 100
174 67.0 53.9 80.9
175 4.7 3.8 5.8

