

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033827.D
 Acq On : 29 May 2019 7:00
 Operator : SY/AP
 Sample : K2960-08DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-55DL

Manual Integrations
 APPROVED

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Quant Time: May 29 08:18:32 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	819662	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1919491	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1740822	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1463588	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	64324	1.611	ppbv	91
11) Trichlorofluoromethane	4.00	101	20071	0.122	ppbv	90
13) Ethanol	3.66	45	10539m	0.817	ppbv	
15) Acetone	3.90	43	454693	3.998	ppbv	100
34) 2-Butanone	5.35	43	22970m	0.193	ppbv	
53) Toluene	9.94	91	22208	0.118	ppbv	99

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

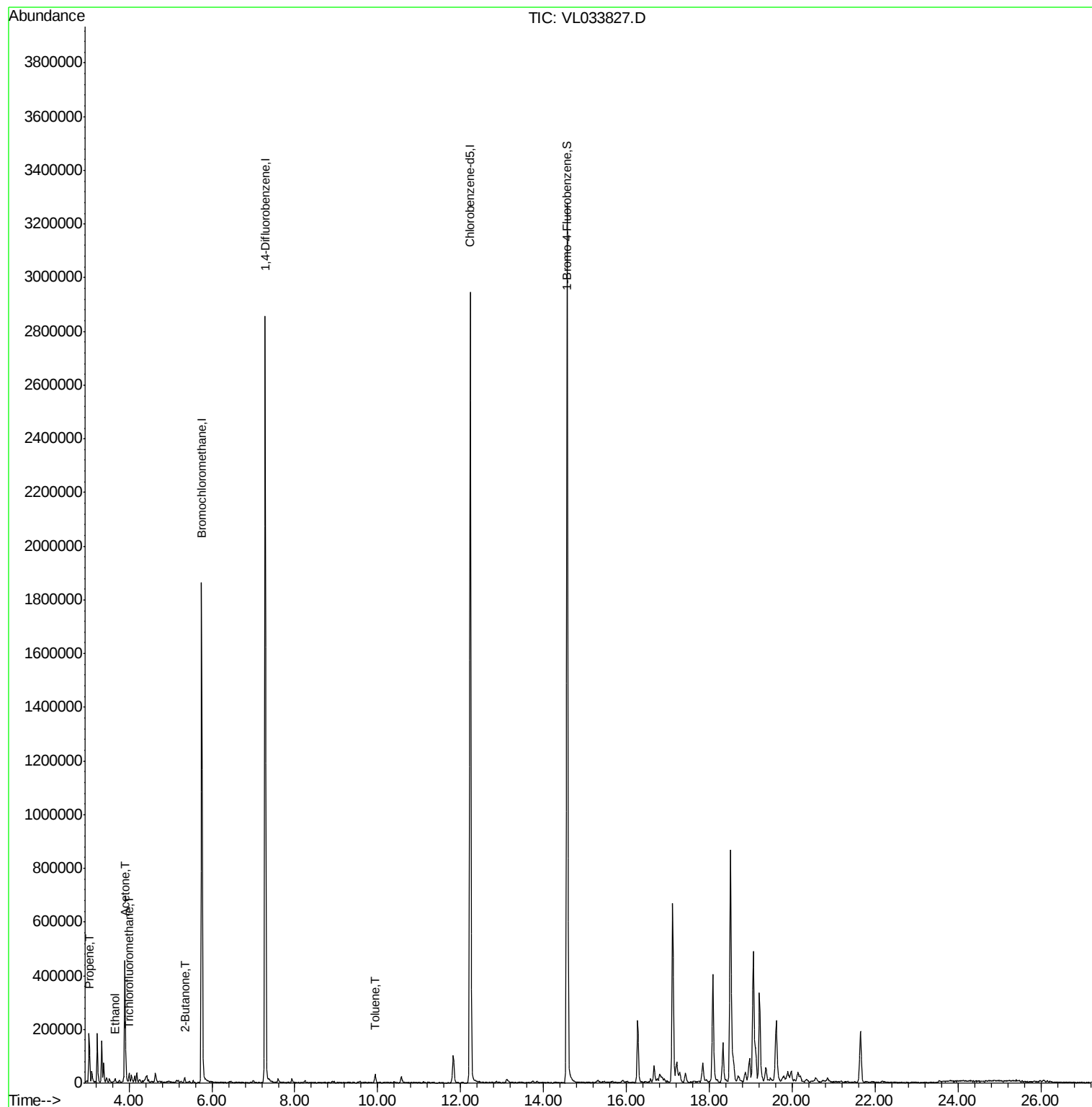
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052819\
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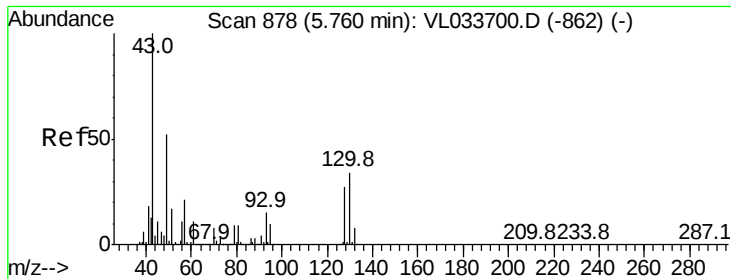
Instrument :
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QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

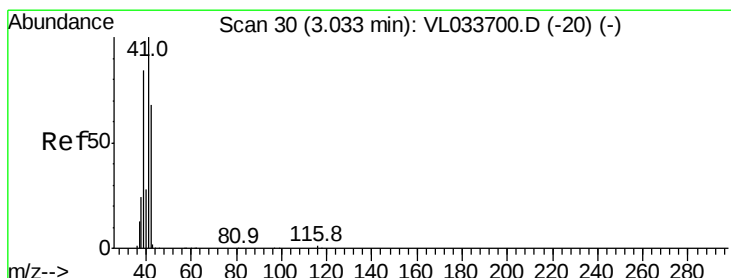
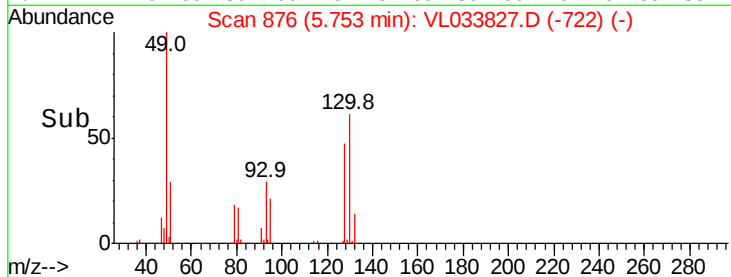
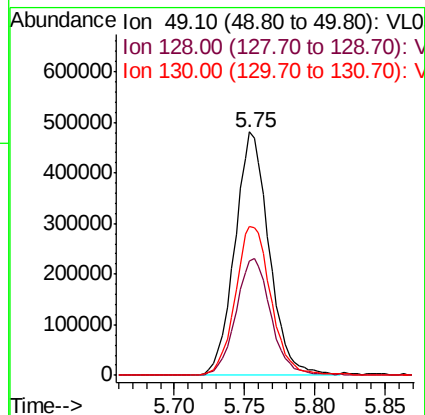
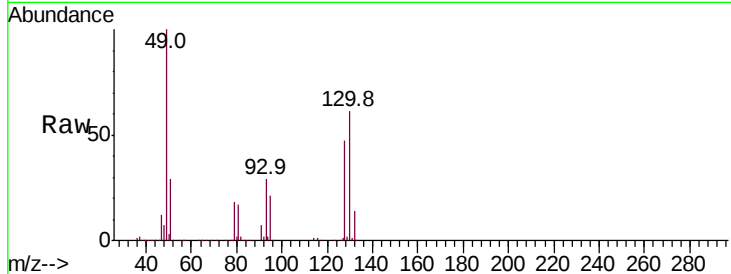
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VL033827.D
 Acq: 29 May 2019 7:00

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-55DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.0	25.2	75.6
130	64.4	32.5	97.5

Manual Integrations
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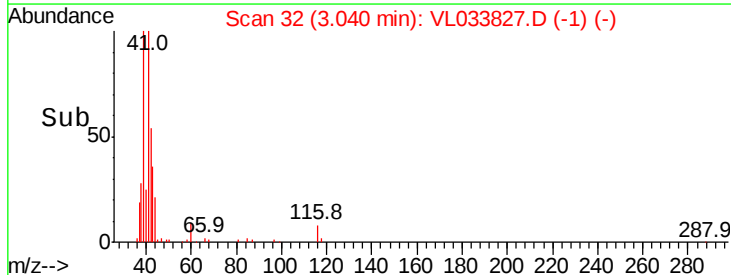
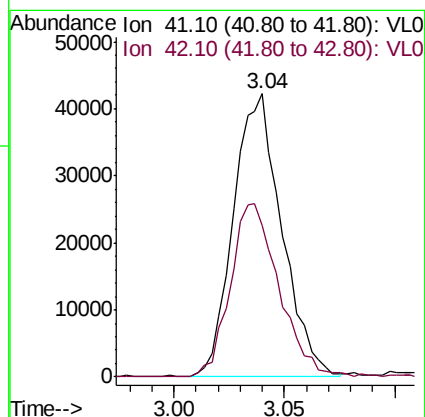
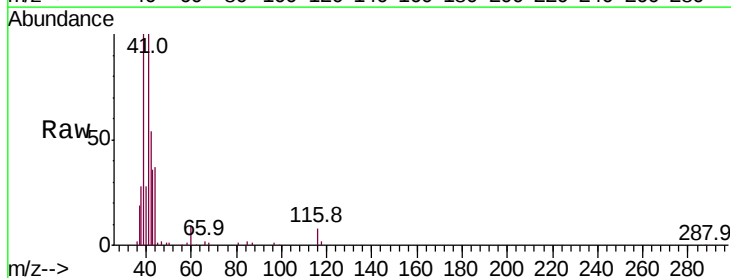
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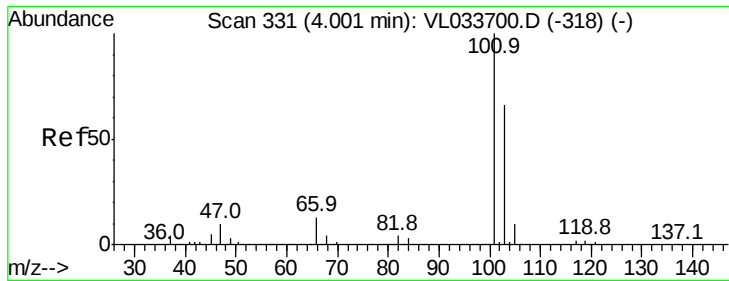


#9

Propene
 Concen: 1.611 ppbv
 RT: 3.04 min Scan# 32
 Delta R.T. 0.01 min
 Lab File: VL033827.D
 Acq: 29 May 2019 7:00

Tgt Ion	Ratio	Lower	Upper
41	100		
42	62.4	56.1	84.1





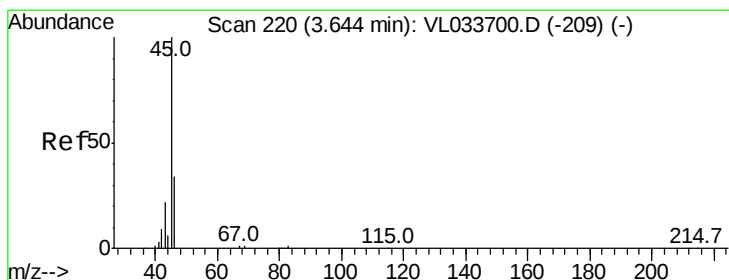
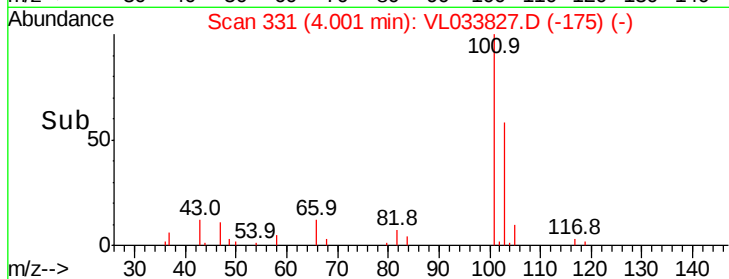
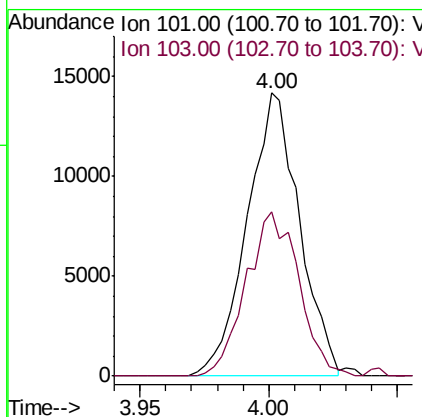
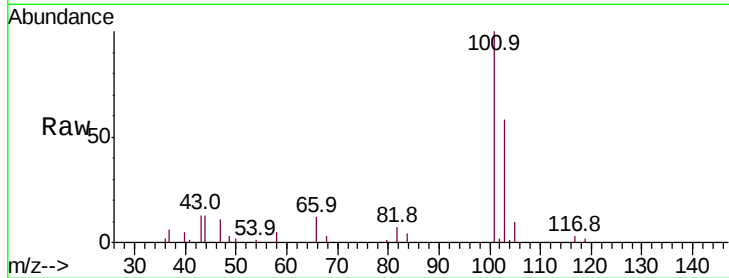
#11
 Trichlorofluoromethane
 Concen: 0.122 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033827.D
 Acq: 29 May 2019 7:00

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-55DL

Tot Ion:101 Resp: 20071
 Ion Ratio Lower Upper
 101 100
 103 58.1 52.6 78.8

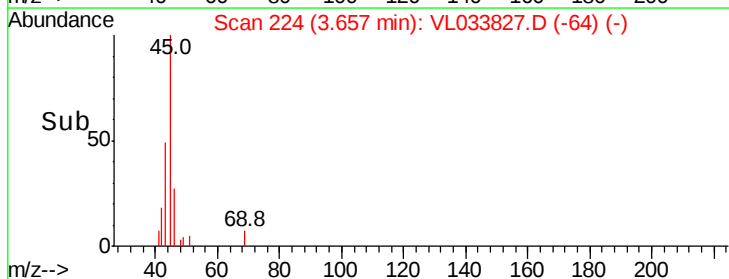
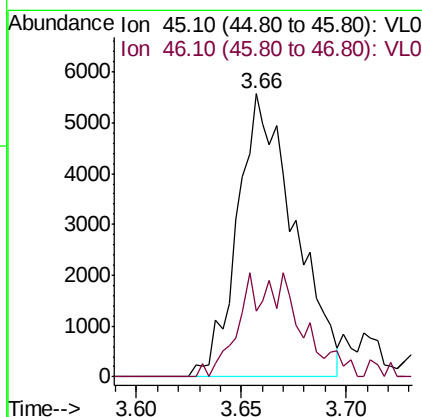
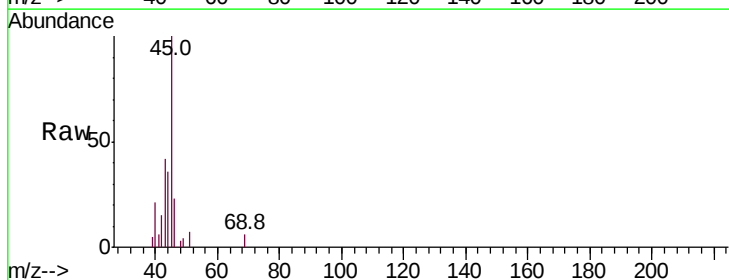
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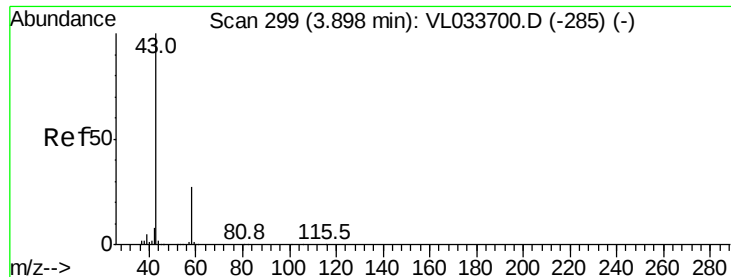
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#13
 Ethanol
 Concen: 0.817 ppbv m
 RT: 3.66 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VL033827.D
 Acq: 29 May 2019 7:00

Tgt Ion: 45 Resp: 10539
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.8 59.0#





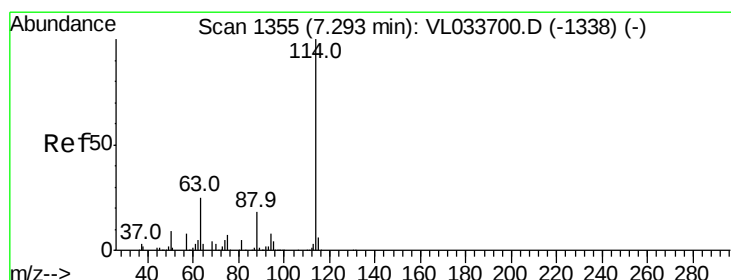
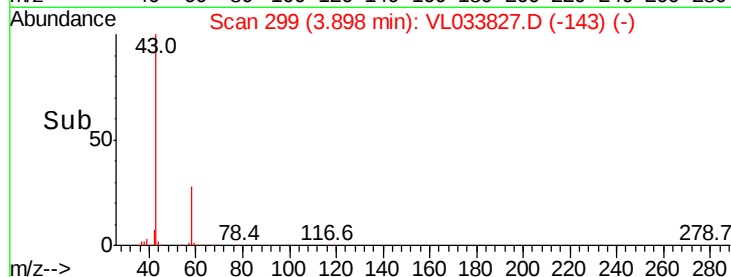
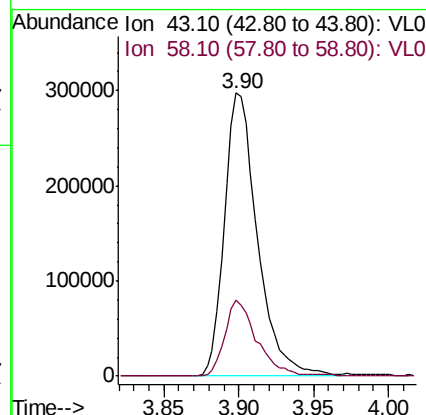
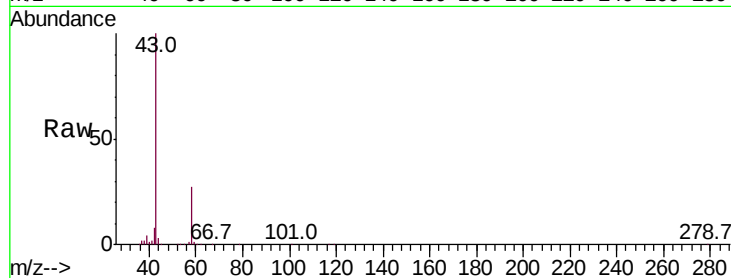
#15
Acetone
Concen: 3.998 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033827.D
Acq: 29 May 2019 7:00

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55DL

Tot Ion: 43 Resp: 454693
Ion Ratio Lower Upper
43 100
58 26.7 21.3 31.9

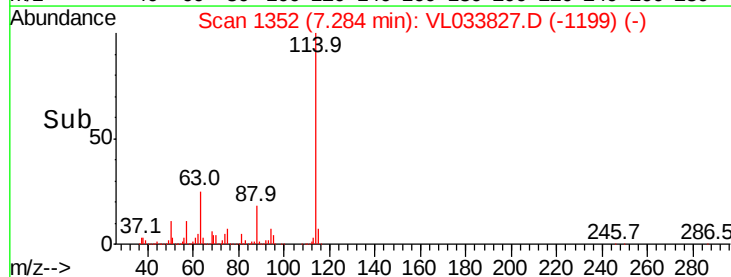
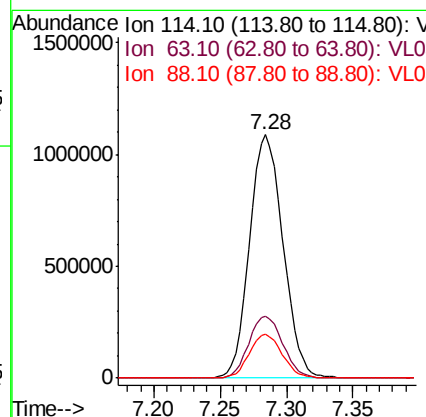
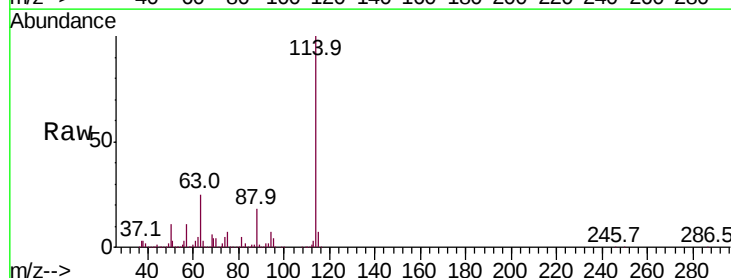
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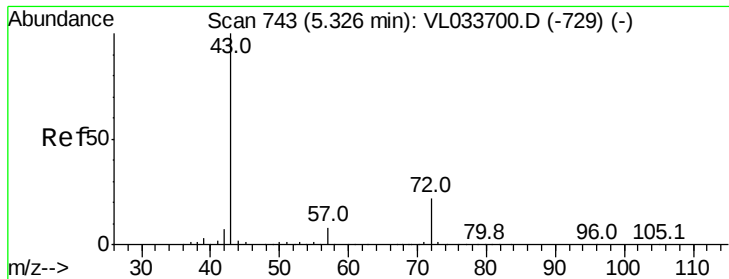
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033827.D
Acq: 29 May 2019 7:00

Tgt Ion: 114 Resp: 1919491
Ion Ratio Lower Upper
114 100
63 26.1 20.9 31.3
88 17.8 14.3 21.5





#34

2-Butanone

Concen: 0.193 ppbv m

RT: 5.35 min Scan# 749

Delta R.T. 0.02 min

Lab File: VL033827.D

Acq: 29 May 2019 7:00

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55DL

Tot Ion: 43 Resp: 22970

Ion Ratio Lower Upper

43 100

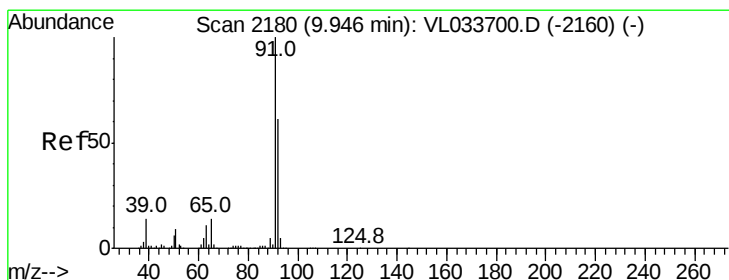
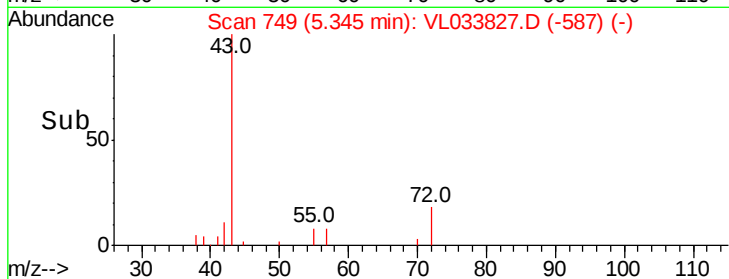
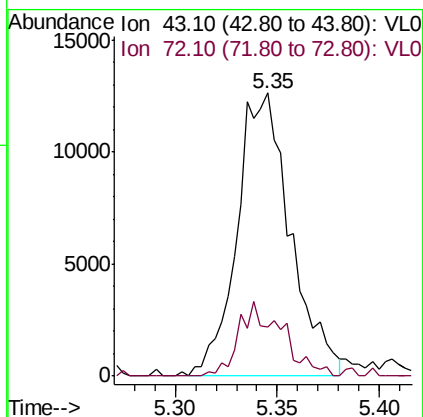
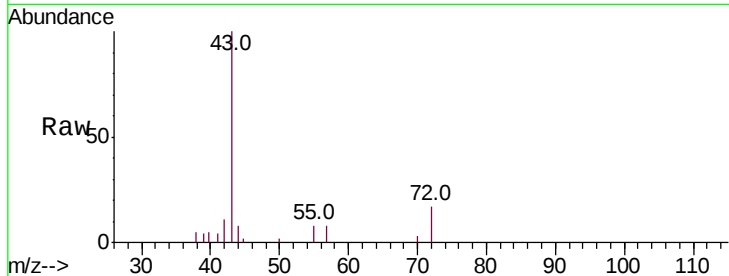
72 21.3 17.8 26.6

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#53

Toluene

Concen: 0.118 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033827.D

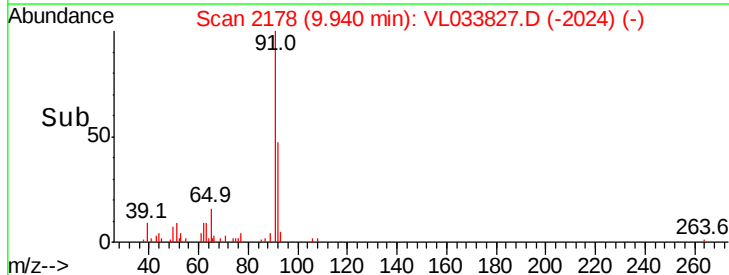
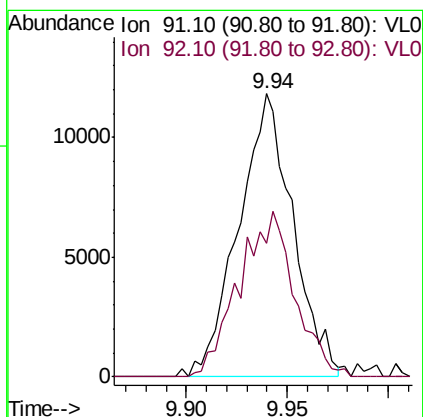
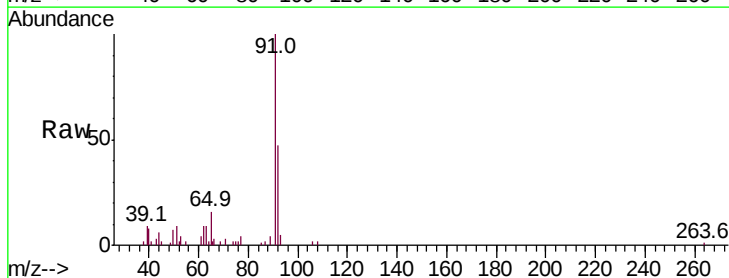
Acq: 29 May 2019 7:00

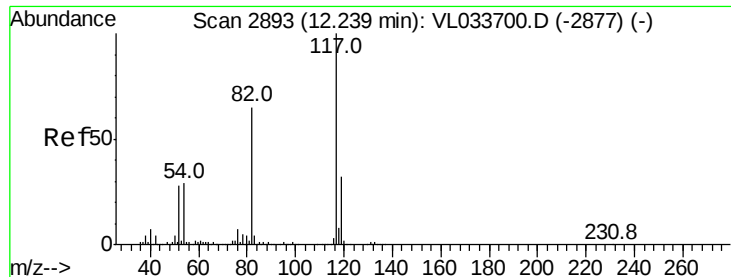
Tgt Ion: 91 Resp: 22208

Ion Ratio Lower Upper

91 100

92 60.1 47.6 71.4





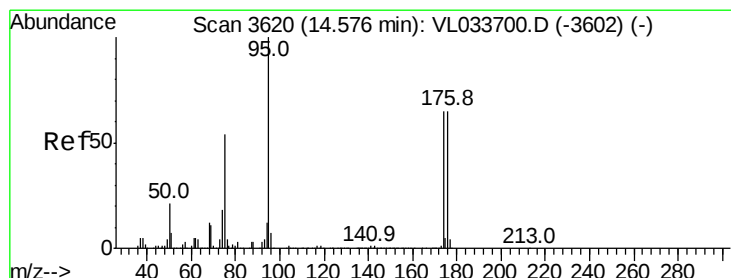
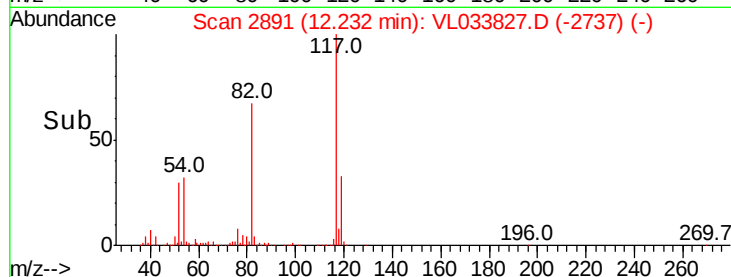
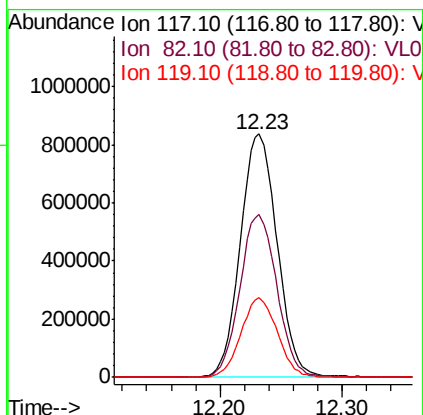
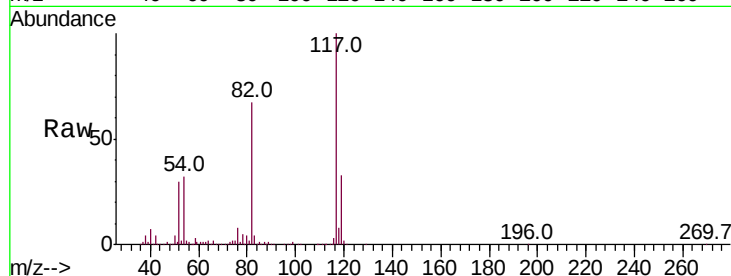
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033827.D
Acq: 29 May 2019 7:00

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55DL

Tot Ion:117 Resp: 1740822
Ion Ratio Lower Upper
117 100
82 67.4 49.4 74.0
119 32.3 24.9 37.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.371 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033827.D
Acq: 29 May 2019 7:00

Tgt Ion: 95 Resp: 1463588
Ion Ratio Lower Upper
95 100
174 66.5 53.9 80.9
175 4.8 3.8 5.8

