

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033828.D
 Acq On : 29 May 2019 7:39
 Operator : SY/AP
 Sample : K2960-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-25

Manual Integrations
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Quant Time: May 29 08:21:54 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	5.76	49	812959	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1758942	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1756652	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1539154	10.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	101972	2.575	ppbv	90
13) Ethanol	3.65	45	44831	3.502	ppbv	99
15) Acetone	3.89	43	1536225	13.620	ppbv	99
17) tert-Butyl alcohol	4.37	59	13316m	0.146	ppbv	
20) Methylene Chloride	4.41	84	12833m	0.295	ppbv	
26) Hexane	5.78	57	18466m	0.217	ppbv	
27) Carbon Disulfide	4.62	76	17081	0.146	ppbv #	74
34) 2-Butanone	5.34	43	42559	0.390	ppbv	97
53) Toluene	9.94	91	108356	0.628	ppbv	97
59) m/p-Xylene	13.12	91	31137m	0.153	ppbv	

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

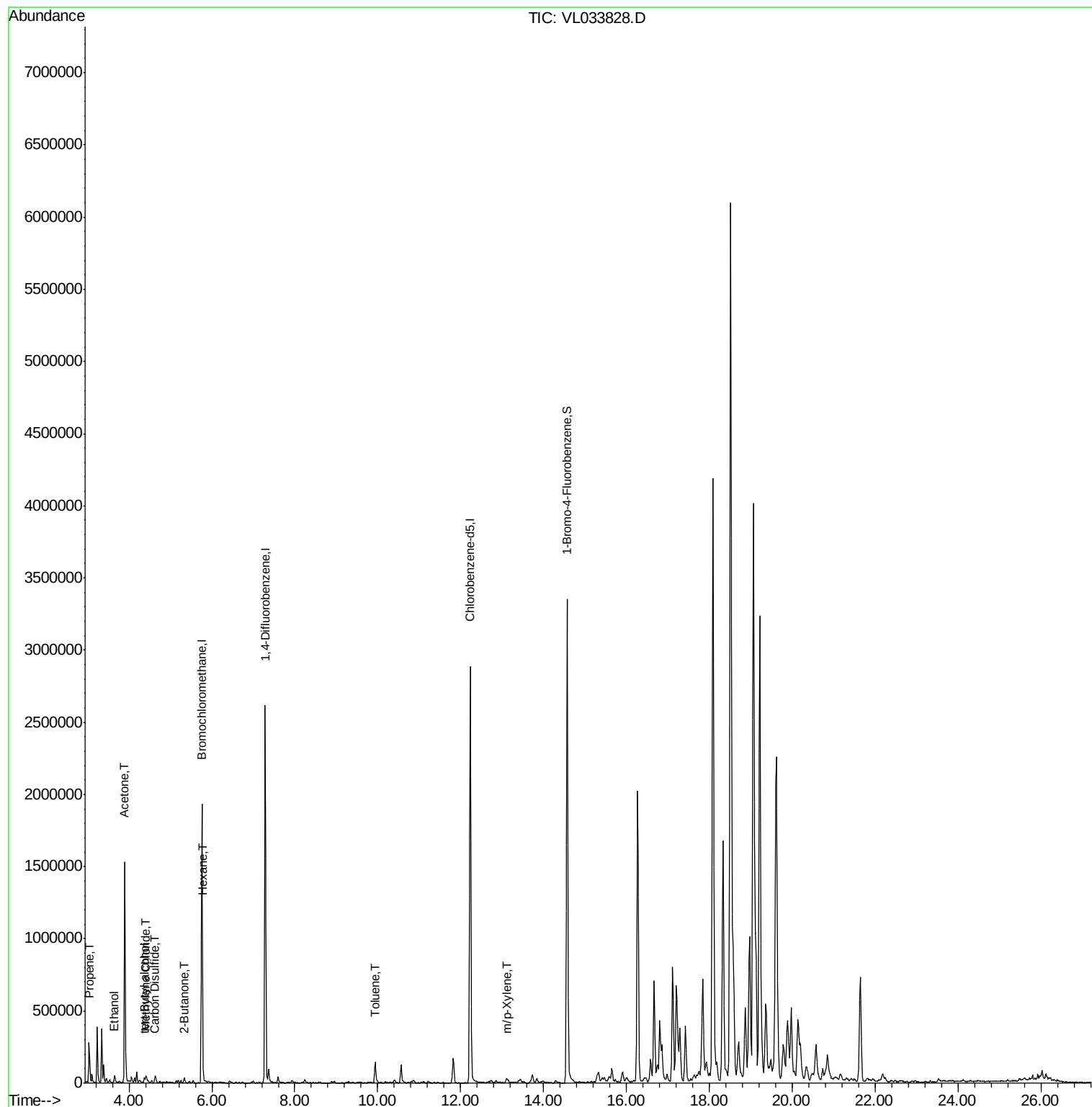
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033828.D
Acq On : 29 May 2019 7:39
Operator : SY/AP
Sample : K2960-01 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

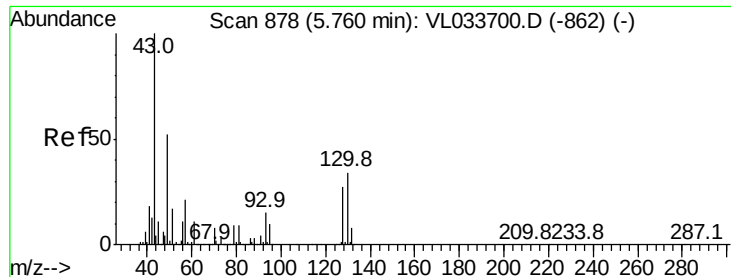
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-25

Manual Integrations
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Quant Time: May 29 08:21:54 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





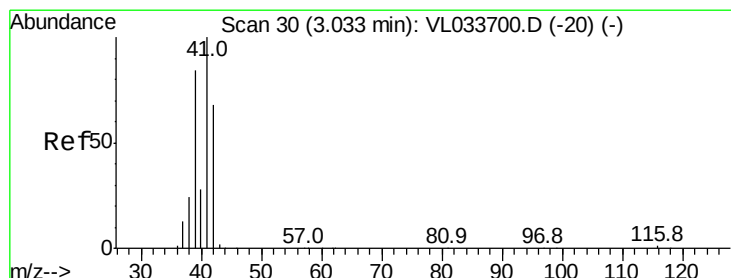
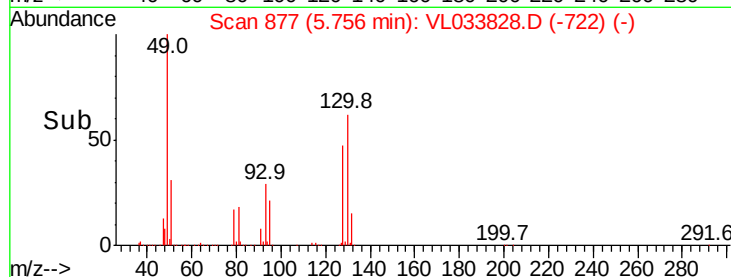
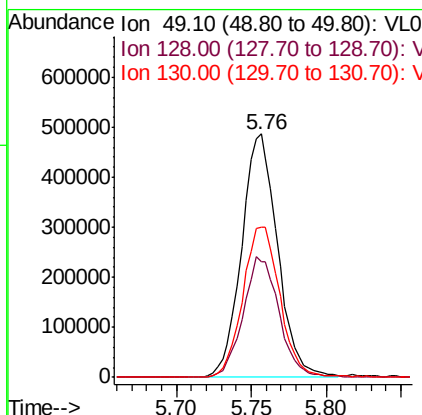
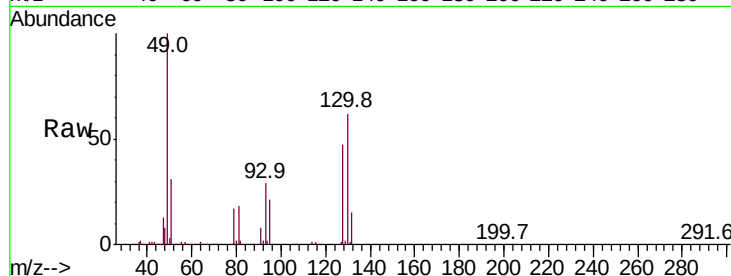
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033828.D
Acq: 29 May 2019 7:39

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-25

Tot Ion: 49 Resp: 812959
Ion Ratio Lower Upper
49 100
128 50.0 25.2 75.6
130 64.5 32.5 97.5

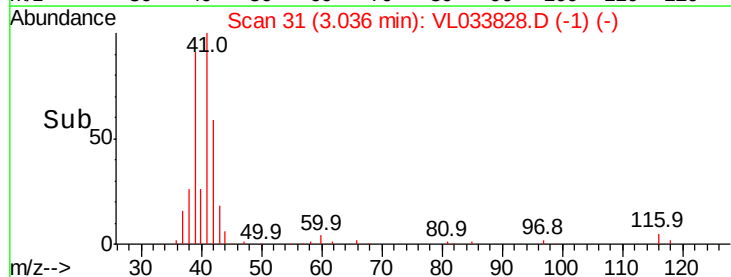
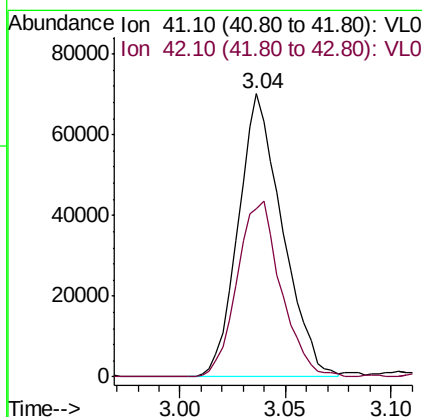
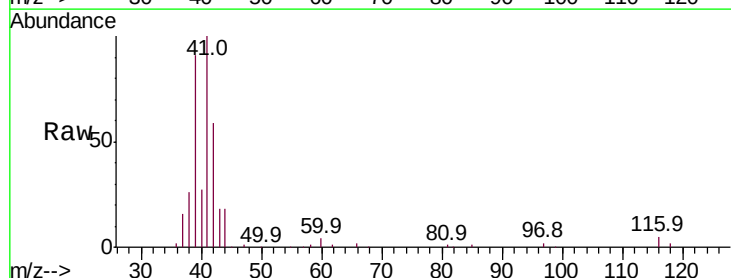
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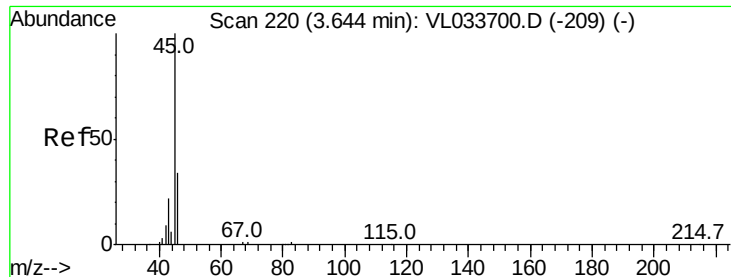
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#9
Propene
Concen: 2.575 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033828.D
Acq: 29 May 2019 7:39

Tgt Ion: 41 Resp: 101972
Ion Ratio Lower Upper
41 100
42 61.7 56.1 84.1





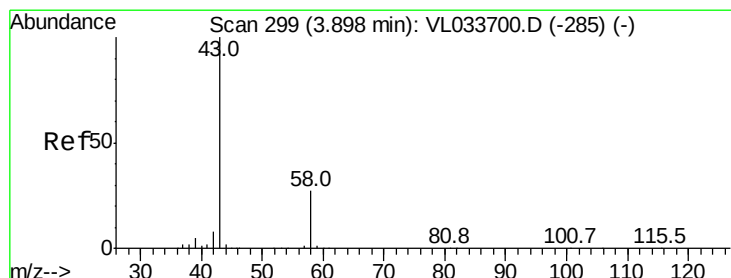
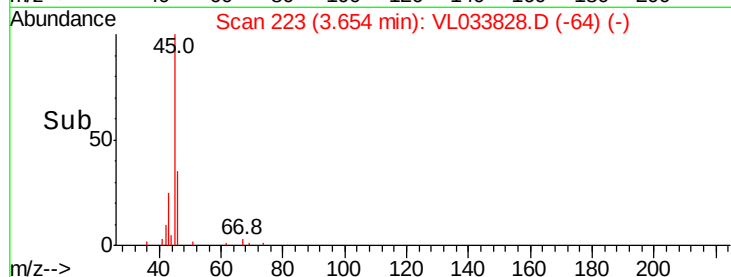
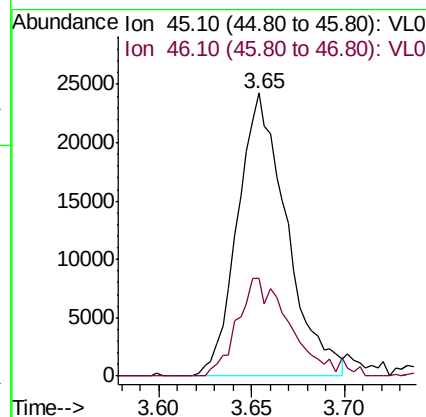
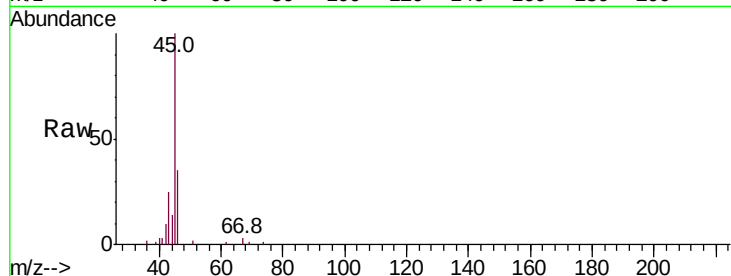
#13
Ethanol
Concen: 3.502 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033828.D
Acq: 29 May 2019 7:39

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-25

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.6	14.8	59.0

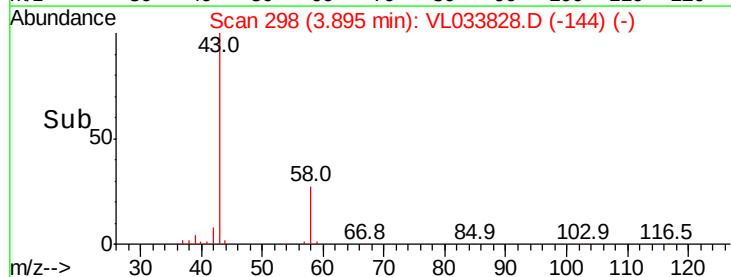
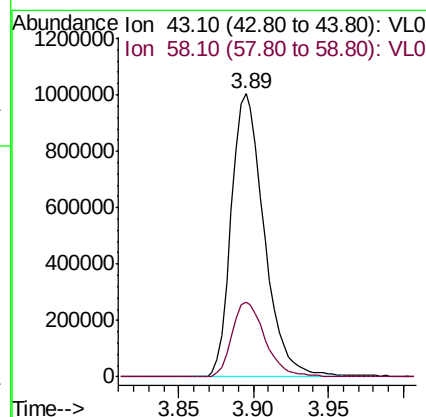
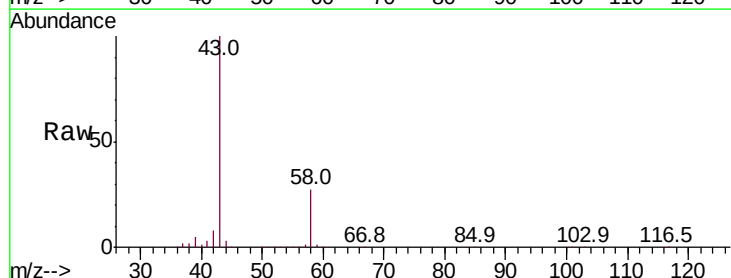
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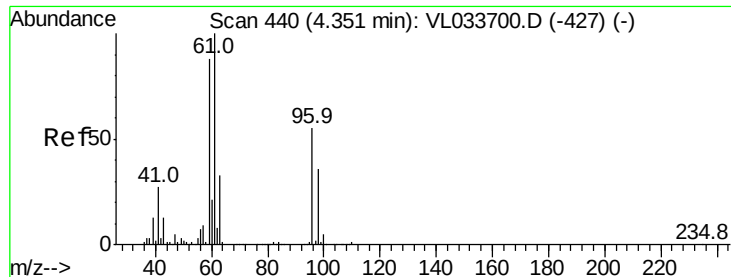
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#15
Acetone
Concen: 13.620 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033828.D
Acq: 29 May 2019 7:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.3	31.9





#17

tert-Butyl alcohol

Concen: 0.146 ppbv m

RT: 4.37 min Scan# 447

Delta R.T. 0.02 min

Lab File: VL033828.D

Acq: 29 May 2019 7:39

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-25

Tot Ion: 59 Resp: 13316

Ion Ratio Lower Upper

59 100

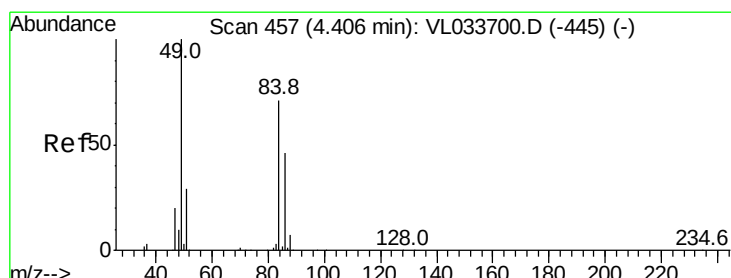
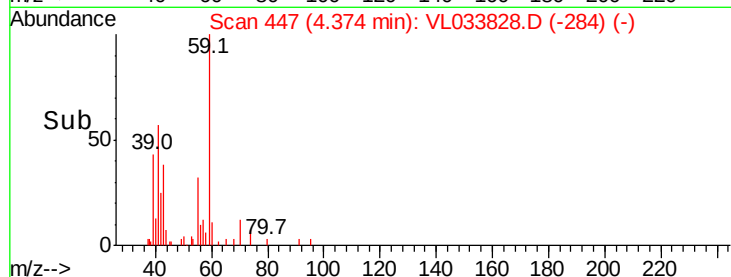
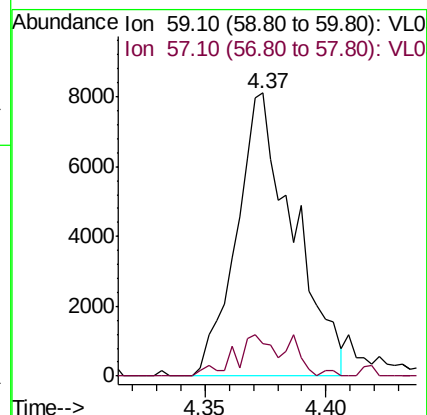
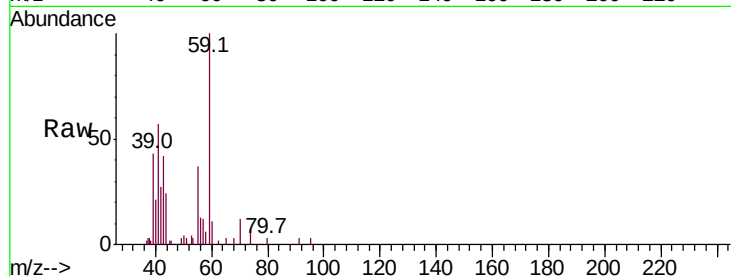
57 0.0 8.4 12.6#

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#20

Methylene Chloride

Concen: 0.295 ppbv m

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033828.D

Acq: 29 May 2019 7:39

Tgt Ion: 84 Resp: 12833

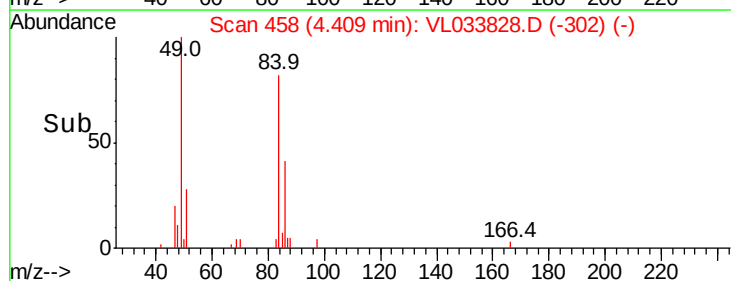
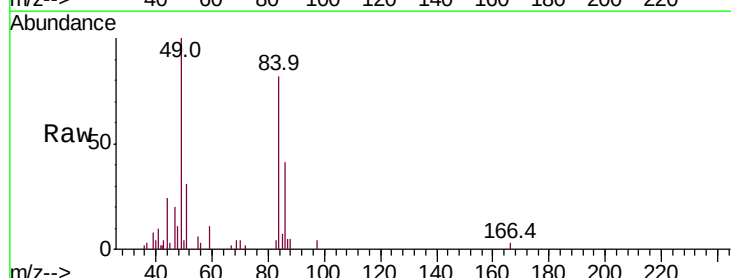
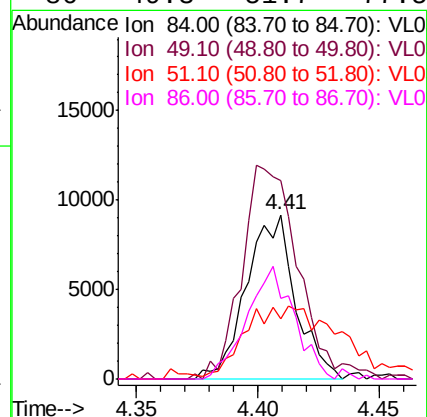
Ion Ratio Lower Upper

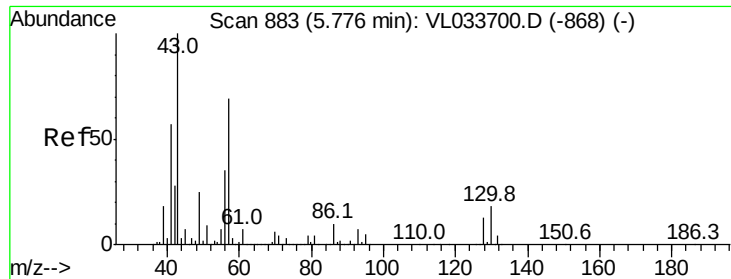
84 100

49 121.3 112.8 169.2

51 37.0 33.4 50.0

86 49.3 51.7 77.5#





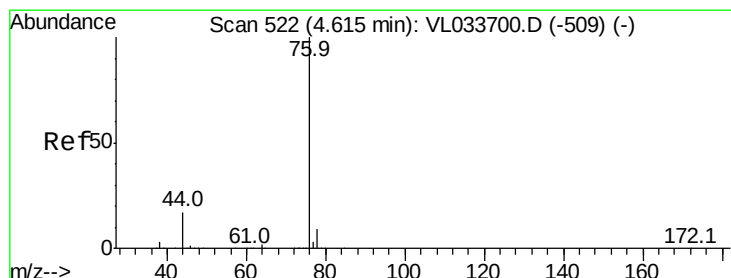
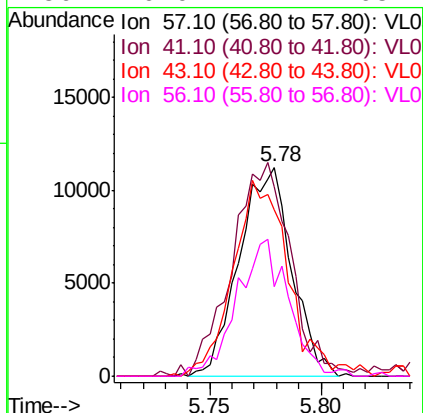
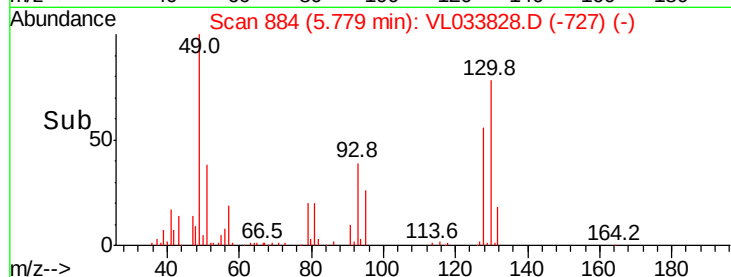
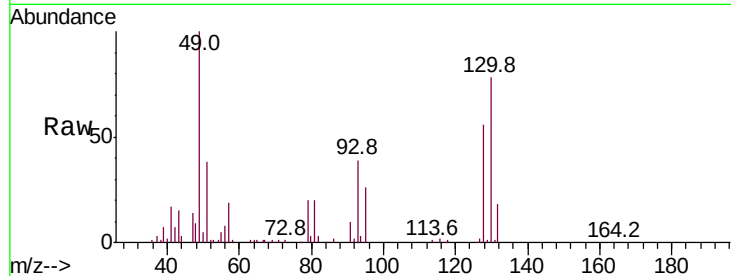
#26
Hexane
Concen: 0.217 ppbv m
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033828.D
Acq: 29 May 2019 7:39

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-25

Tot Ion: 57 Resp: 18466
Ion Ratio Lower Upper
57 100
41 0.0 69.8 104.6#
43 99.3 181.8 272.6#
56 0.0 42.1 63.1#

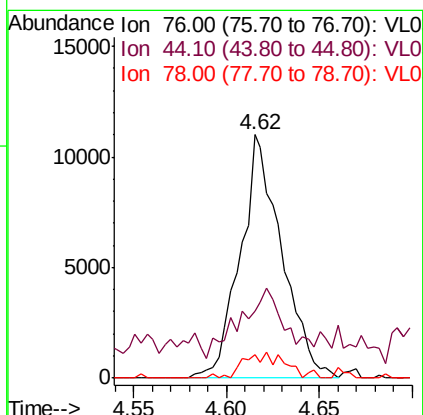
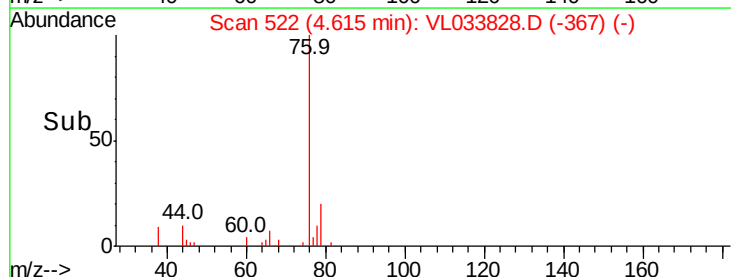
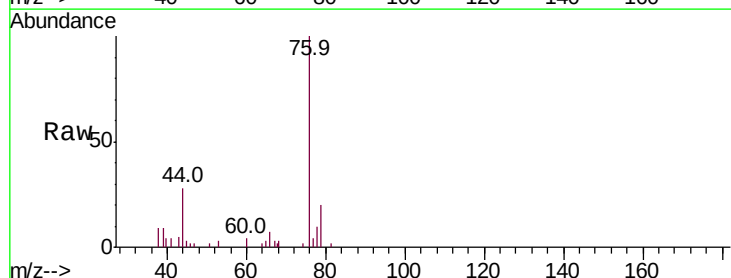
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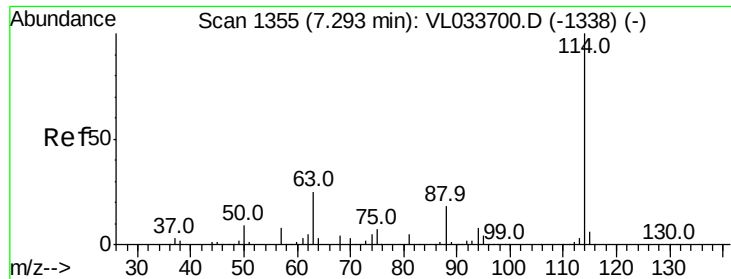
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#27
Carbon Disulfide
Concen: 0.146 ppbv
RT: 4.62 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL033828.D
Acq: 29 May 2019 7:39

Tgt Ion: 76 Resp: 17081
Ion Ratio Lower Upper
76 100
44 32.7 13.8 20.8#
78 11.9 7.4 11.0#





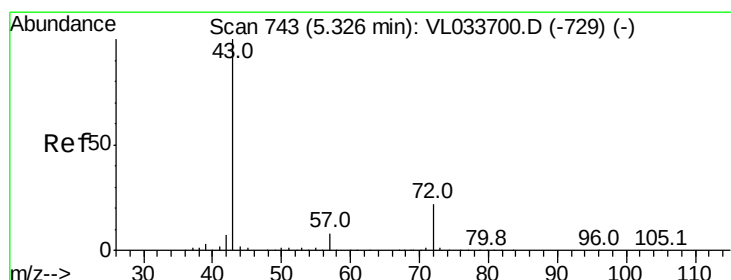
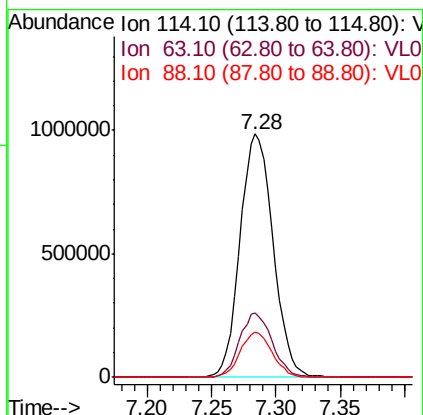
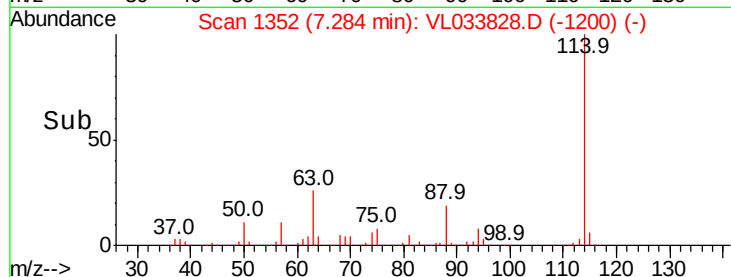
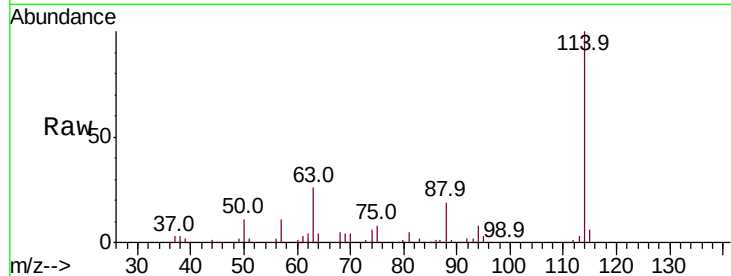
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033828.D
 Acq: 29 May 2019 7:39

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-25

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.9	31.3
88	18.0	14.3	21.5

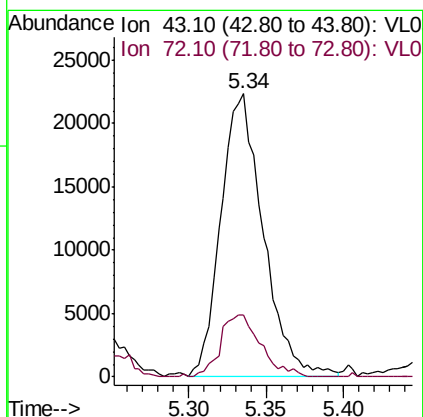
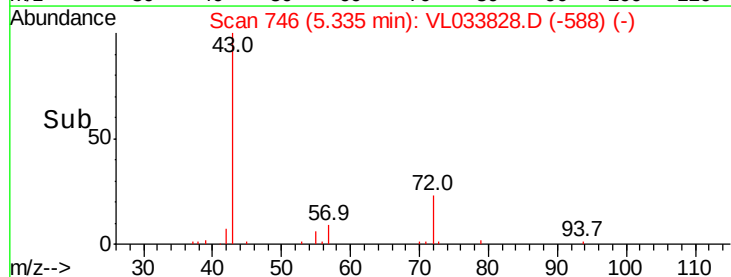
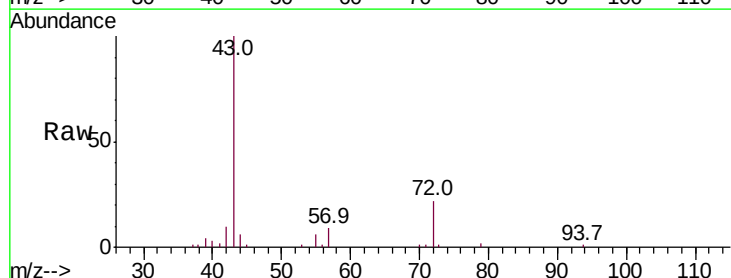
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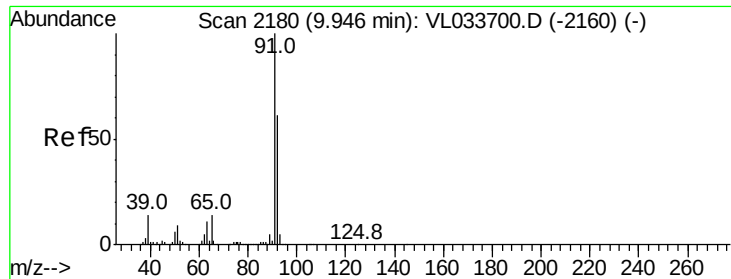
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#34
 2-Butanone
 Concen: 0.390 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033828.D
 Acq: 29 May 2019 7:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.8	26.6





#53

Toluene

Concen: 0.628 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033828.D

Acq: 29 May 2019 7:39

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-25

Tot Ion: 91 Resp: 108356

Ion Ratio Lower Upper

91 100

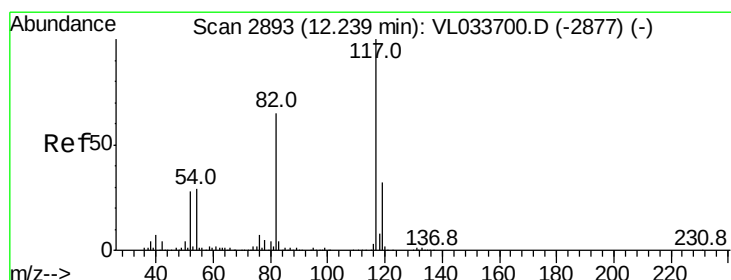
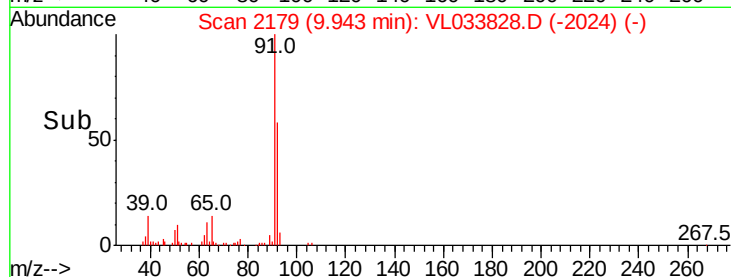
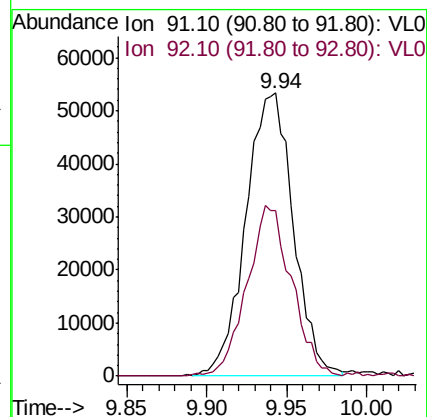
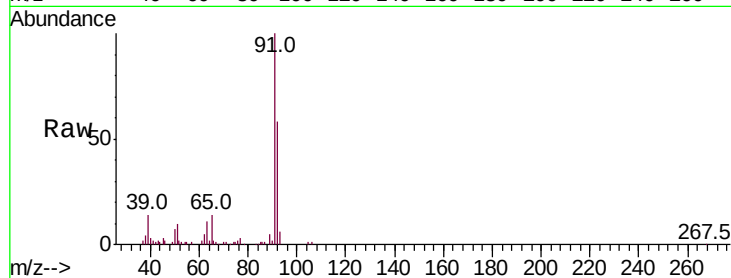
92 57.4 47.6 71.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033828.D

Acq: 29 May 2019 7:39

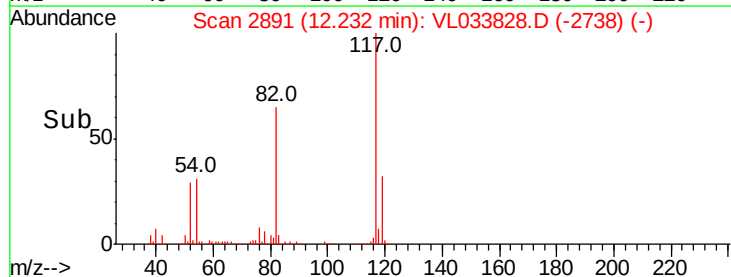
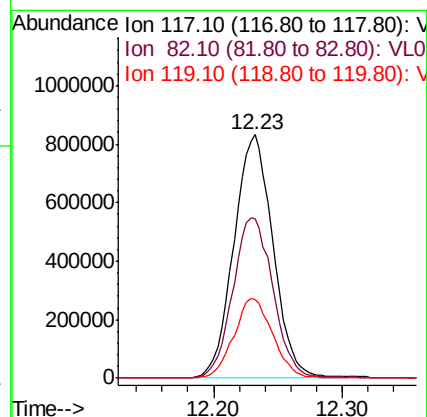
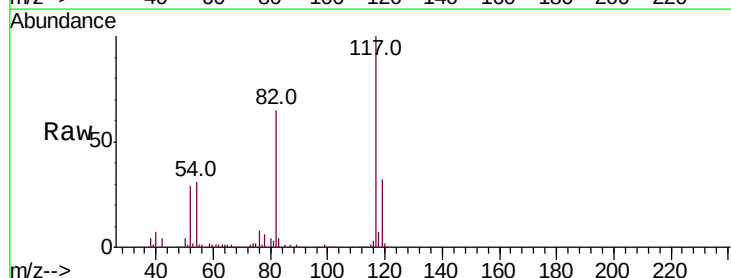
Tgt Ion: 117 Resp: 1756652

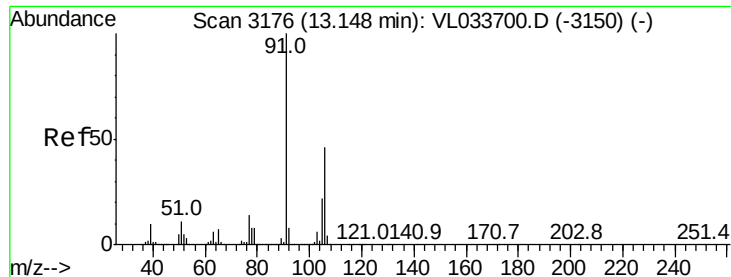
Ion Ratio Lower Upper

117 100

82 68.5 49.4 74.0

119 32.6 24.9 37.3





#59

m/p-Xylene

Concen: 0.153 ppbv m

RT: 13.12 min Scan# 3166

Delta R.T. -0.03 min

Lab File: VL033828.D

Acq: 29 May 2019 7:39

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-25

Tot Ion: 91 Resp: 31137

Ion Ratio Lower Upper

91 100

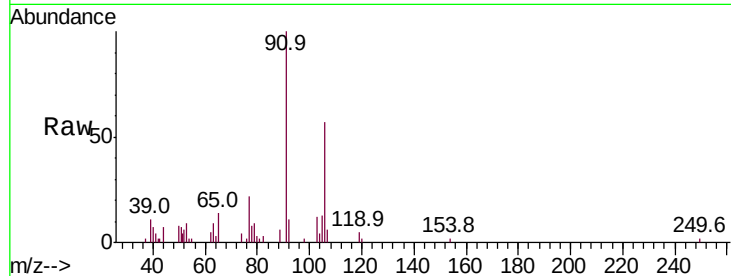
106 0.0 35.8 53.6#

Manual Integrations

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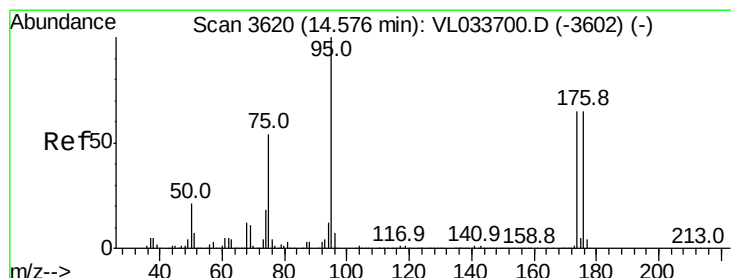
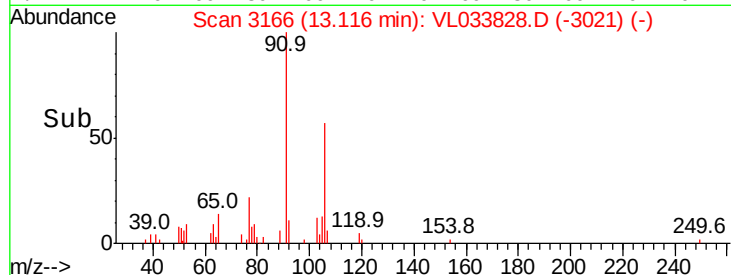
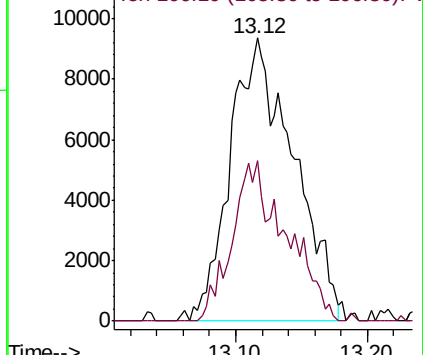
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.808 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033828.D

Acq: 29 May 2019 7:39

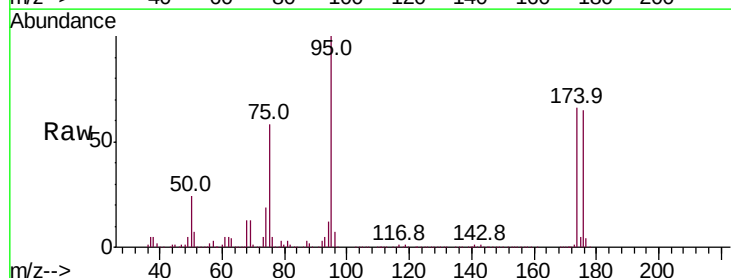
Tgt Ion: 95 Resp: 1539154

Ion Ratio Lower Upper

95 100

174 66.1 53.9 80.9

175 4.8 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

