

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033803.D
 Acq On : 28 May 2019 13:43
 Operator : SY/AP
 Sample : K2929-17DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3006-55DL

Manual Integrations
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Quant Time: May 29 05:00:57 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	1021057	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2535115	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2405445	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1976491	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	531837	10.691	ppbv	92
10) Heptane	8.24	43	20394m	0.145	ppbv	
13) Ethanol	3.65	45	68123	4.237	ppbv	99
15) Acetone	3.89	43	2656777	18.754	ppbv	95
17) tert-Butyl alcohol	4.37	59	48240m	0.421	ppbv	
19) Isopropyl Alcohol	4.03	45	14156	0.155	ppbv #	94
20) Methylene Chloride	4.40	84	29385	0.539	ppbv	92
26) Hexane	5.77	57	87178	0.815	ppbv #	40
27) Carbon Disulfide	4.62	76	20118	0.137	ppbv #	44
34) 2-Butanone	5.33	43	216692	1.379	ppbv	99
36) Benzene	7.00	78	37304	0.162	ppbv	94
53) Toluene	9.94	91	163531	0.657	ppbv	99
59) m/p-Xylene	13.12	91	60845m	0.219	ppbv	

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

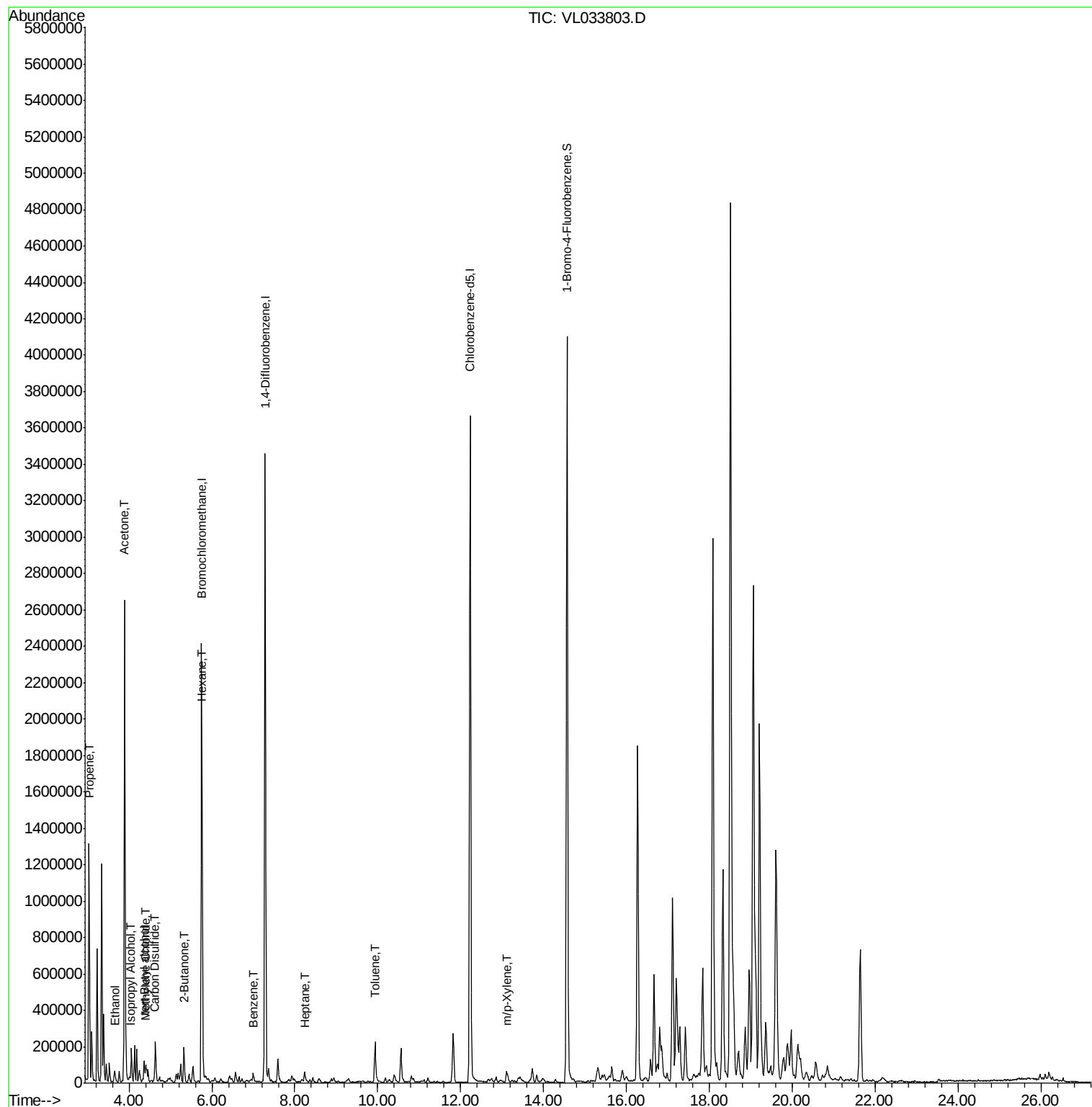
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033803.D
Acq On : 28 May 2019 13:43
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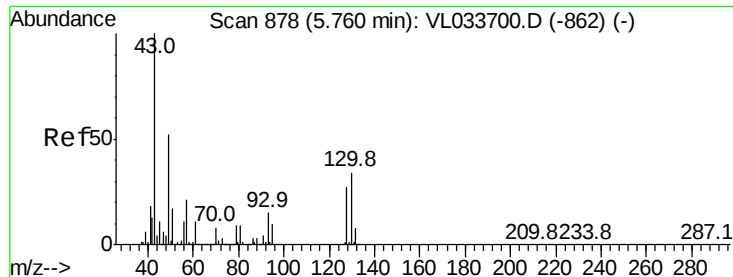
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Manual Integrations
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Quant Time: May 29 05:00:57 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

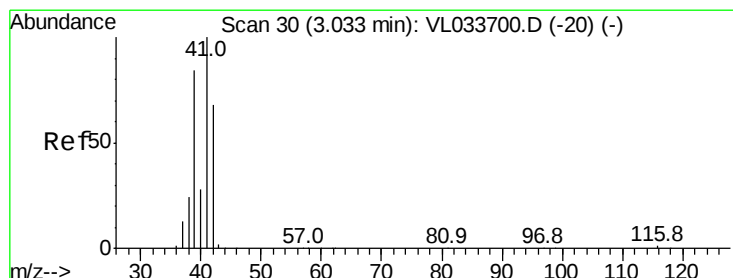
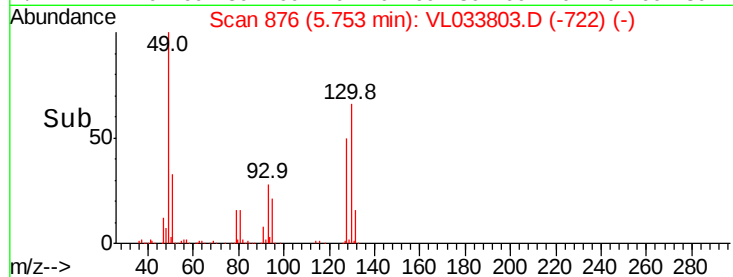
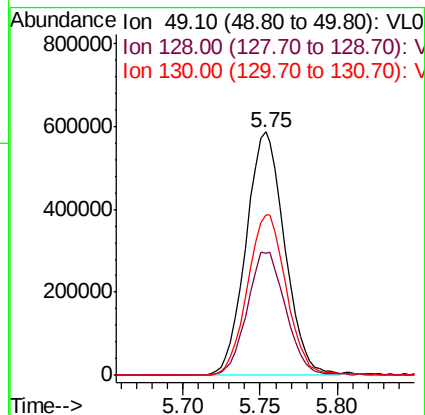
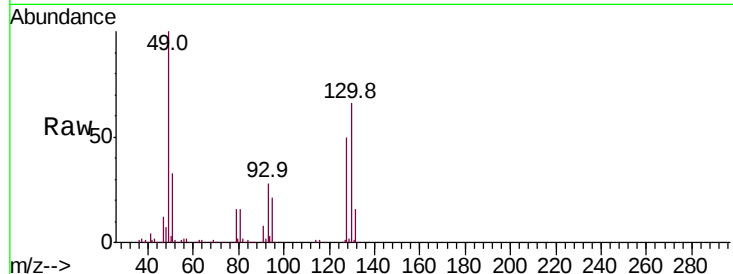
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VL033803.D
 Acq: 28 May 2019 13:43

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3006-55DL

Tot Ion: 49 Resp: 1021057
 Ion Ratio Lower Upper
 49 100
 128 50.9 25.2 75.6
 130 66.8 32.5 97.5

Manual Integrations
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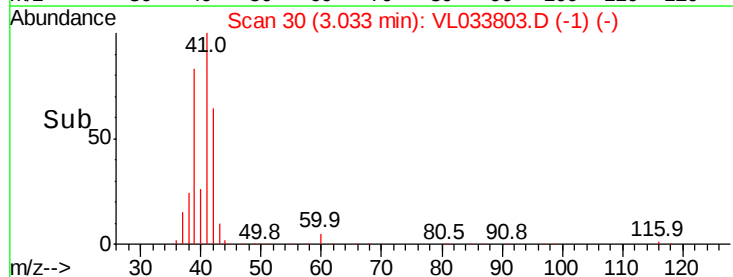
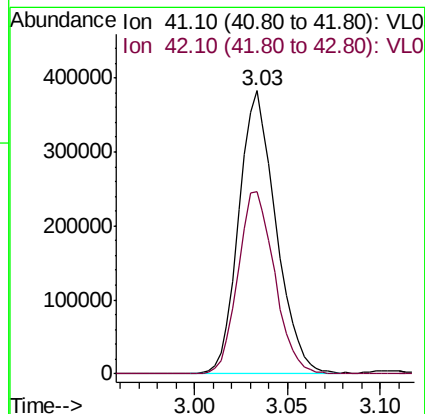
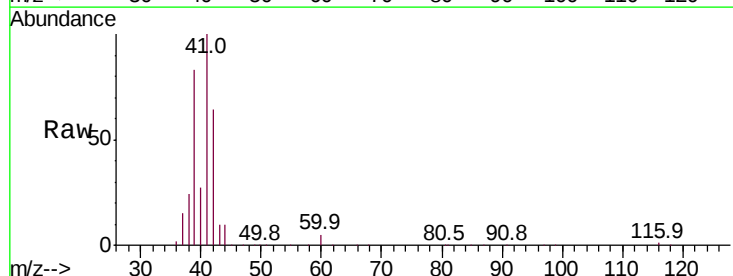
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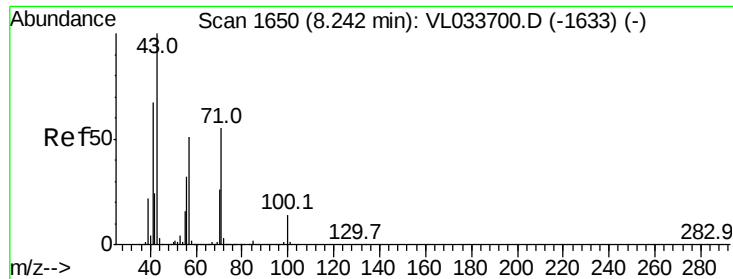


#9

Propene
 Concen: 10.691 ppbv
 RT: 3.03 min Scan# 30
 Delta R.T. 0.00 min
 Lab File: VL033803.D
 Acq: 28 May 2019 13:43

Tgt Ion: 41 Resp: 531837
 Ion Ratio Lower Upper
 41 100
 42 63.9 56.1 84.1





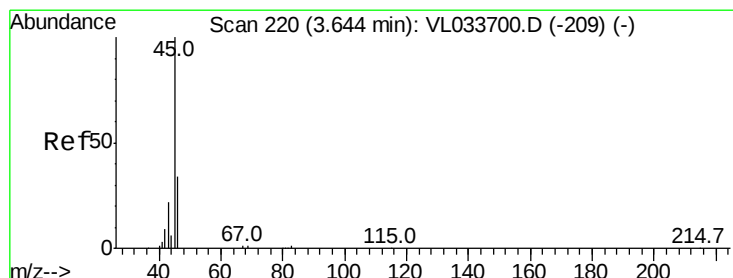
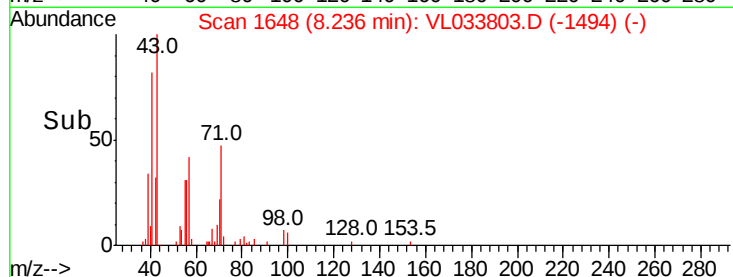
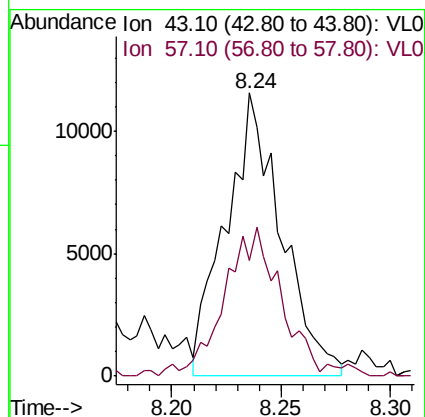
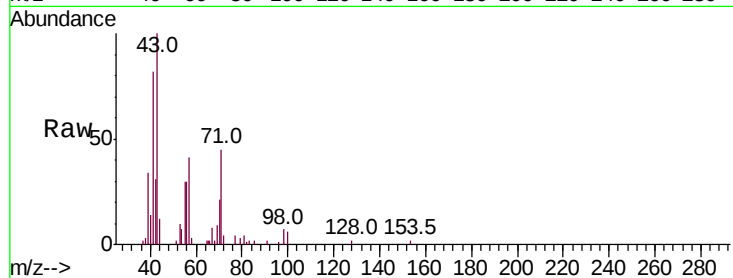
#10
Heptane
Concen: 0.145 ppbv m
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tot Ion: 43 Resp: 20394
Ion Ratio Lower Upper
43 100
57 55.4 41.4 62.0

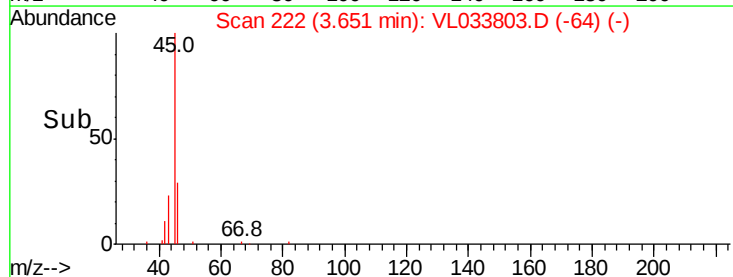
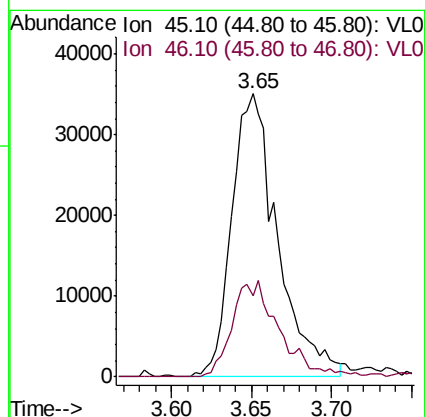
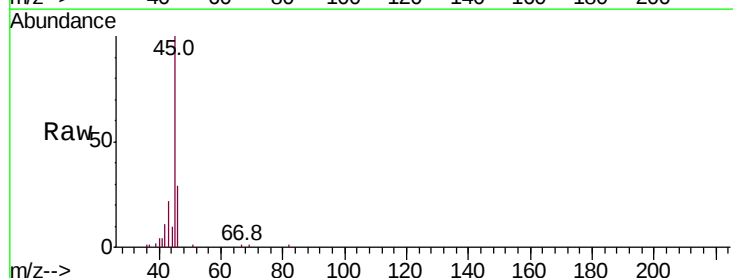
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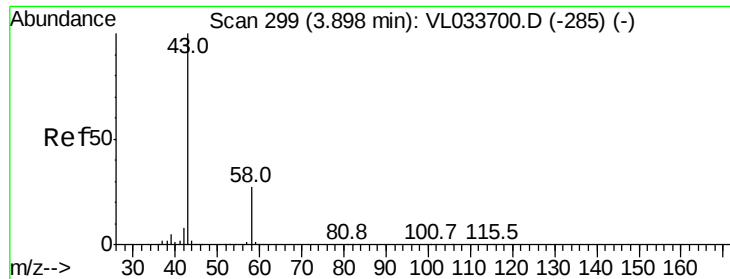
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#13
Ethanol
Concen: 4.237 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 45 Resp: 68123
Ion Ratio Lower Upper
45 100
46 36.3 14.8 59.0





#15

Acetone

Concen: 18.754 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033803.D

Acq: 28 May 2019 13:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55DL

Tot Ion: 43 Resp: 2656777

Ion Ratio Lower Upper

43 100

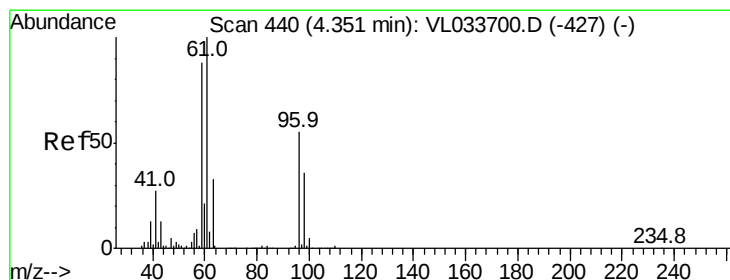
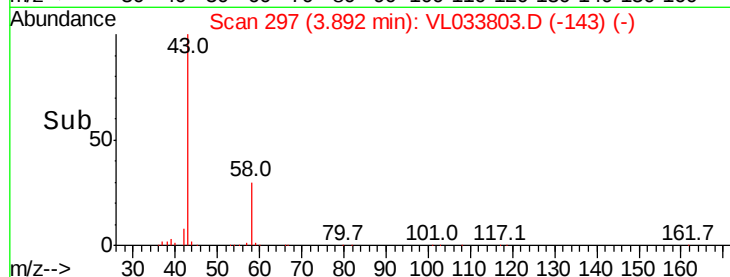
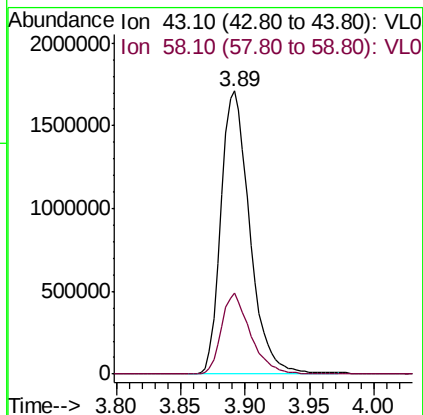
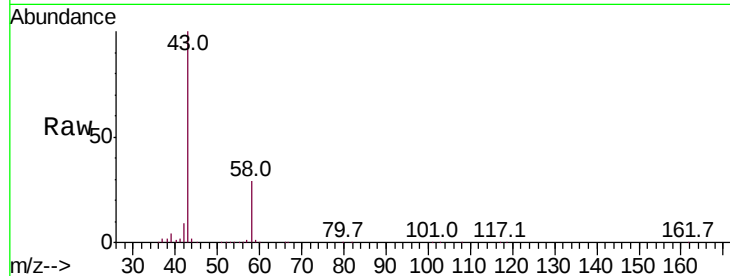
58 29.2 21.3 31.9

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#17

tert-Butyl alcohol

Concen: 0.421 ppbv m

RT: 4.37 min Scan# 445

Delta R.T. 0.02 min

Lab File: VL033803.D

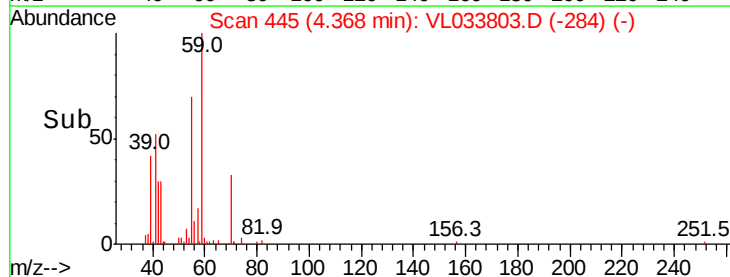
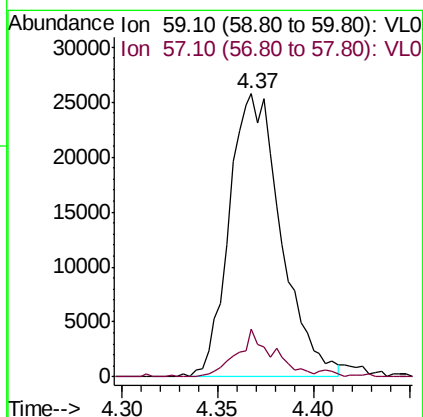
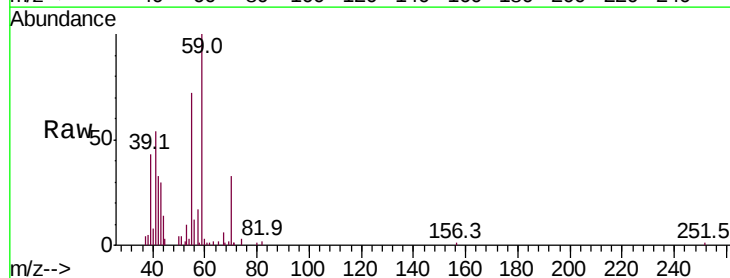
Acq: 28 May 2019 13:43

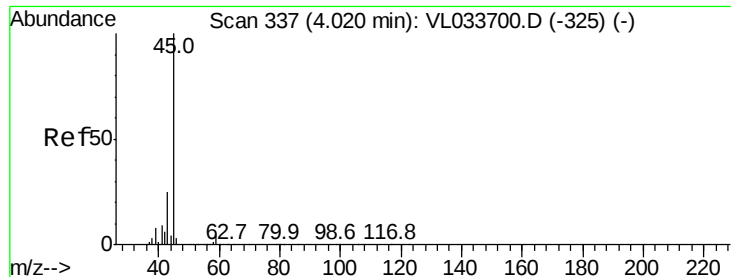
Tgt Ion: 59 Resp: 48240

Ion Ratio Lower Upper

59 100

57 12.7 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 0.155 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033803.D

Acq: 28 May 2019 13:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55DL

Tot Ion: 45 Resp: 14156

Ion Ratio Lower Upper

45 100

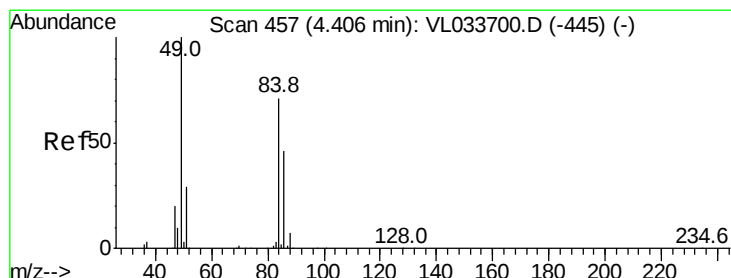
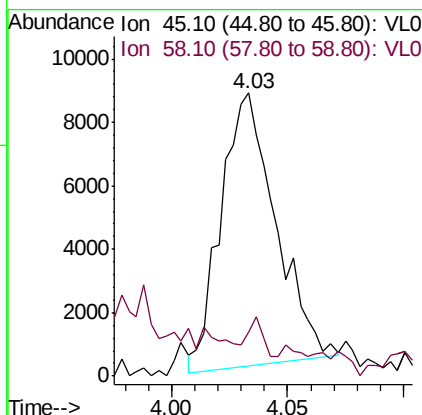
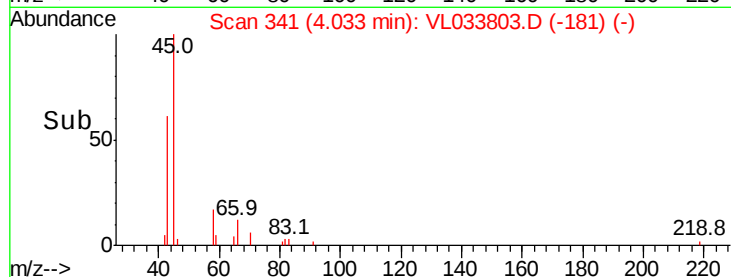
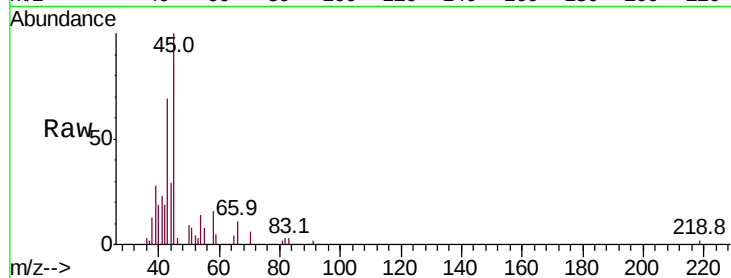
58 0.0 1.6 2.4#

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#20

Methylene Chloride

Concen: 0.539 ppbv

RT: 4.40 min Scan# 455

Delta R.T. -0.01 min

Lab File: VL033803.D

Acq: 28 May 2019 13:43

Tgt Ion: 84 Resp: 29385

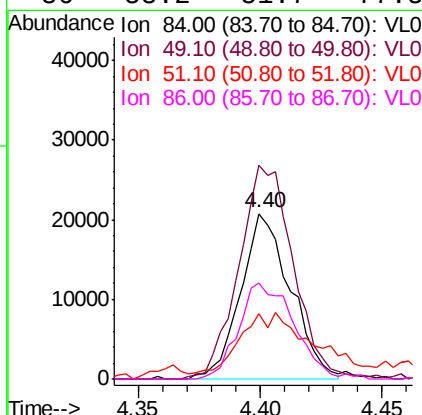
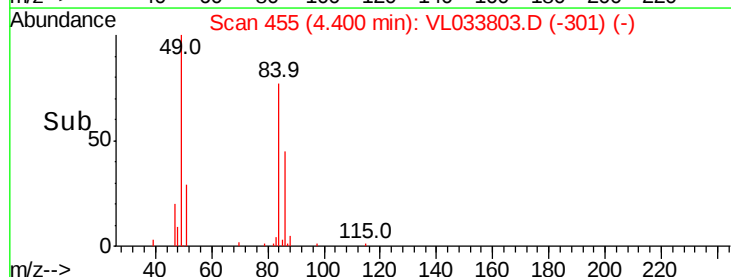
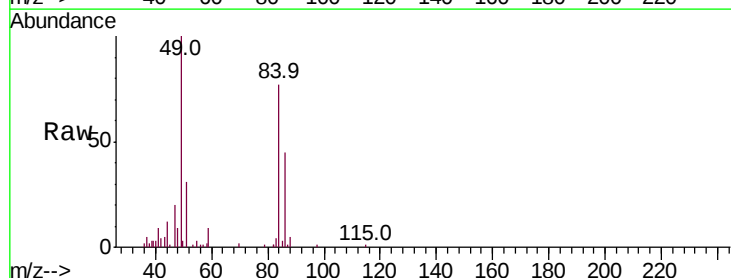
Ion Ratio Lower Upper

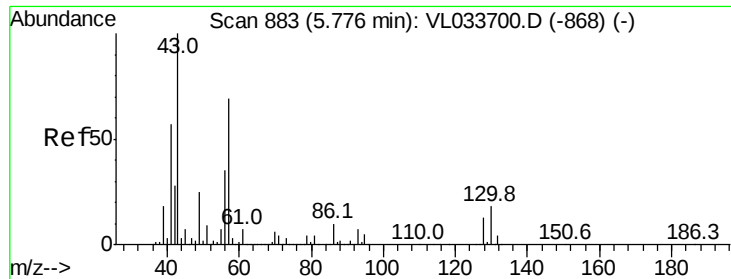
84 100

49 130.9 112.8 169.2

51 36.2 33.4 50.0

86 58.2 51.7 77.5





#26

Hexane

Concen: 0.815 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033803.D

Acq: 28 May 2019 13:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55DL

Tot Ion: 57 Resp: 87178

Ion Ratio Lower Upper

57 100

41 103.7 69.8 104.6

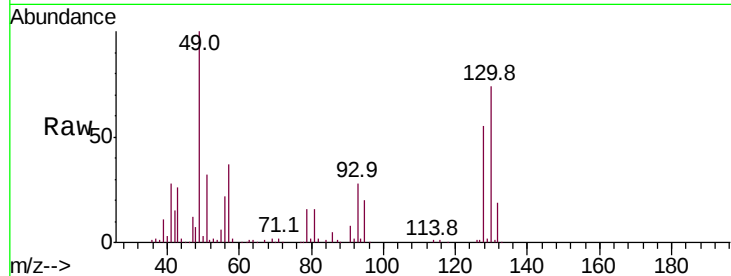
43 83.5 181.8 272.6#

56 60.4 42.1 63.1

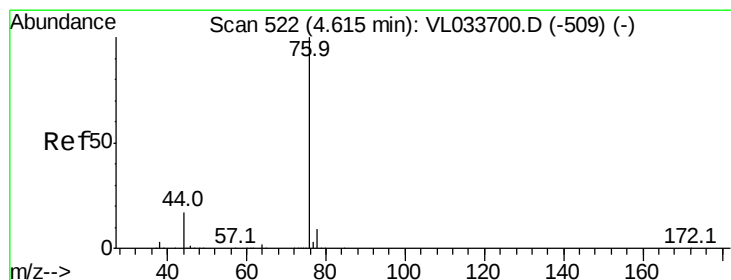
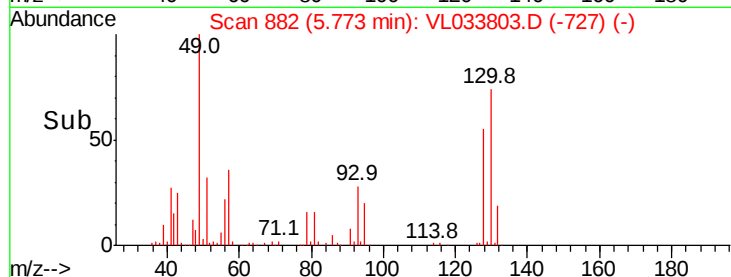
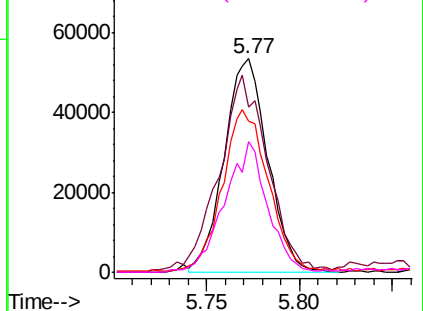
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Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.137 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033803.D

Acq: 28 May 2019 13:43

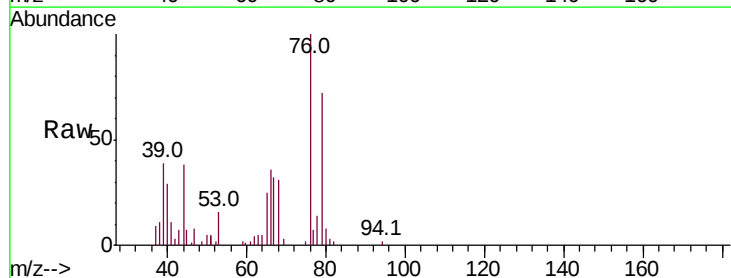
Tgt Ion: 76 Resp: 20118

Ion Ratio Lower Upper

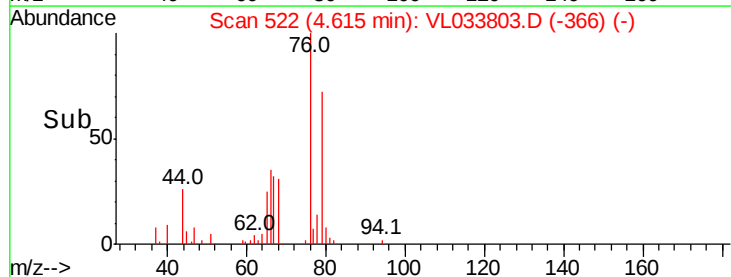
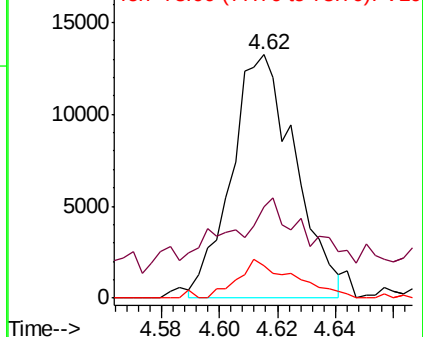
76 100

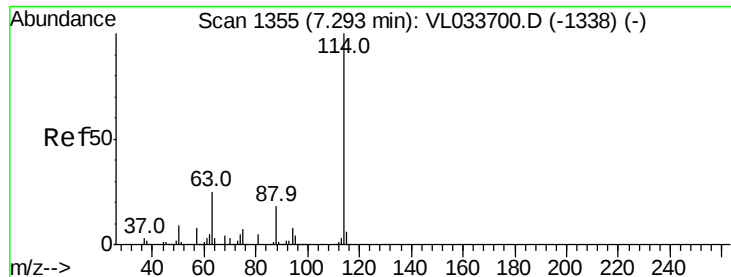
44 50.9 13.8 20.8#

78 14.8 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





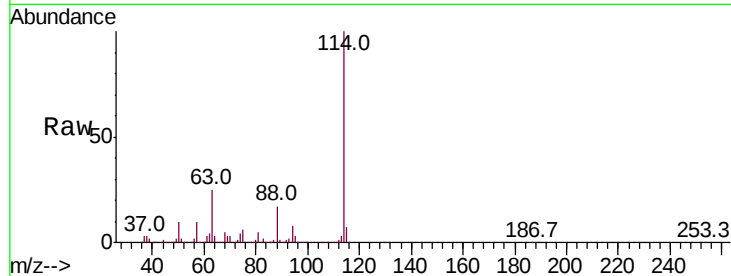
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033803.D
 Acq: 28 May 2019 13:43

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3006-55DL

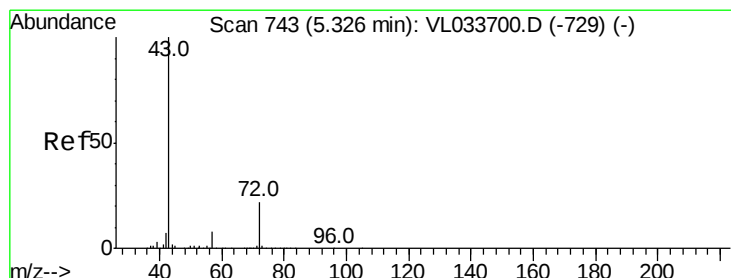
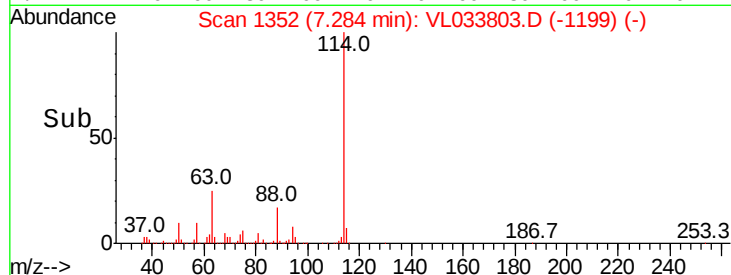
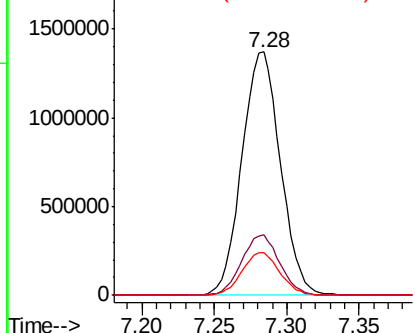
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.9	31.3
88	17.4	14.3	21.5

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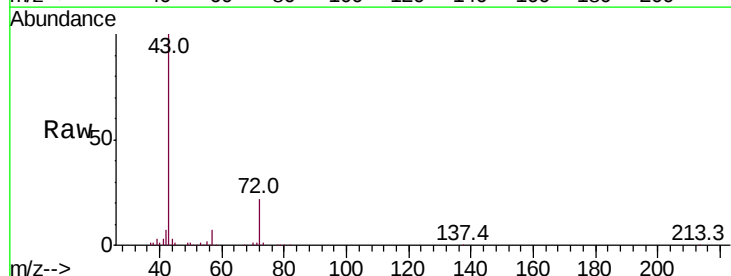


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

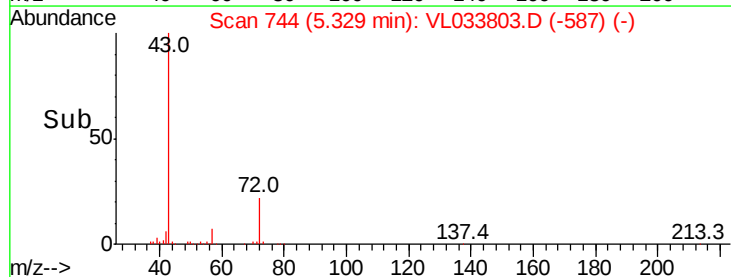
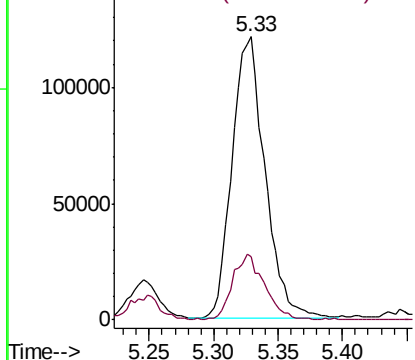


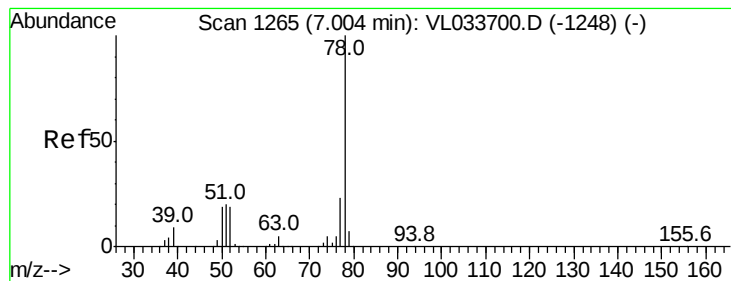
#34
 2-Butanone
 Concen: 1.379 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033803.D
 Acq: 28 May 2019 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.162 ppbv

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033803.D

Acq: 28 May 2019 13:43

Instrument :

MSVOA_L

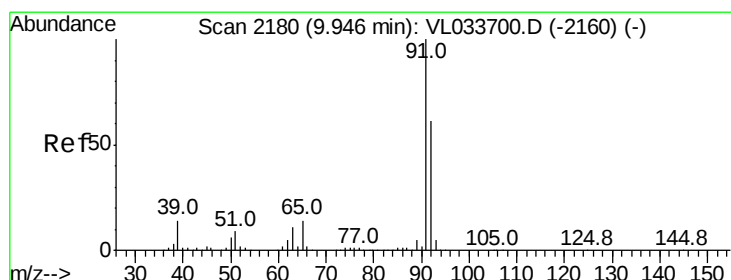
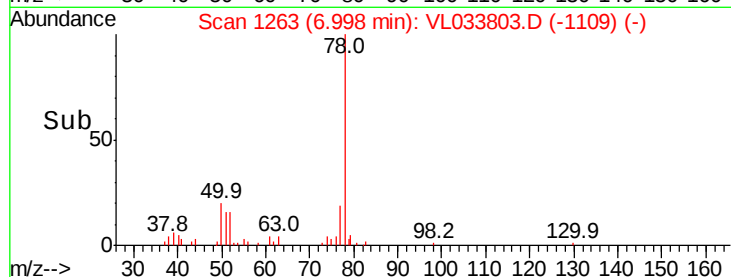
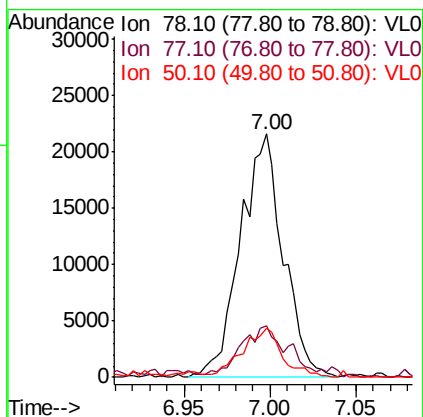
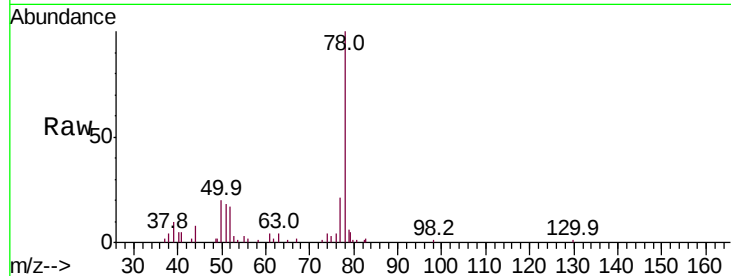
ClientSampleId :

BPS1-SG-3006-55DL

Tot Ion:	78	Resp:	37304
Ion	Ratio	Lower	Upper
78	100		
77	18.5	18.4	27.6
50	18.6	15.5	23.3

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#53

Toluene

Concen: 0.657 ppbv

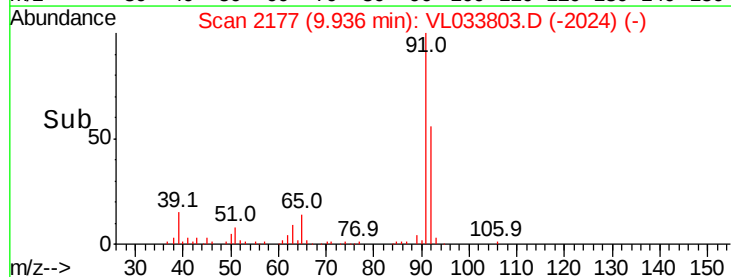
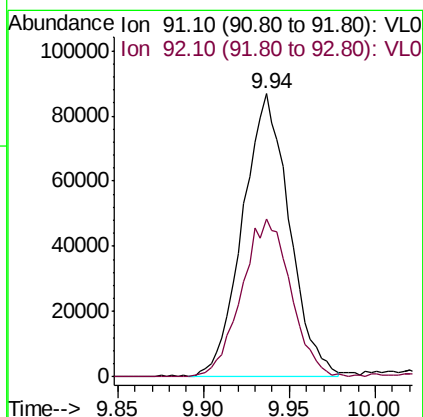
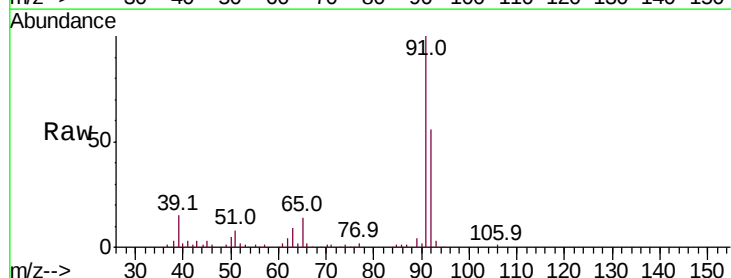
RT: 9.94 min Scan# 2177

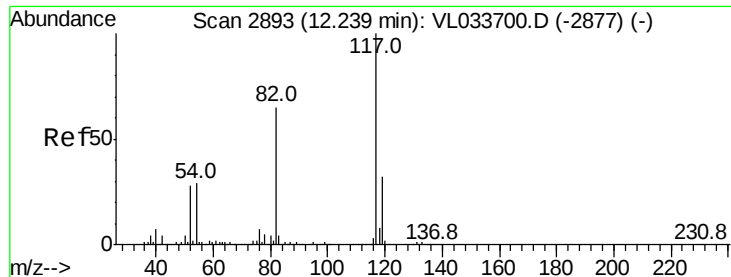
Delta R.T. -0.01 min

Lab File: VL033803.D

Acq: 28 May 2019 13:43

Tgt Ion:	91	Resp:	163531
Ion	Ratio	Lower	Upper
91	100		
92	58.6	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: VL033803.D

Acq: 28 May 2019 13:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55DL

Tot Ion:117 Resp: 2405445

Ion Ratio Lower Upper

117 100

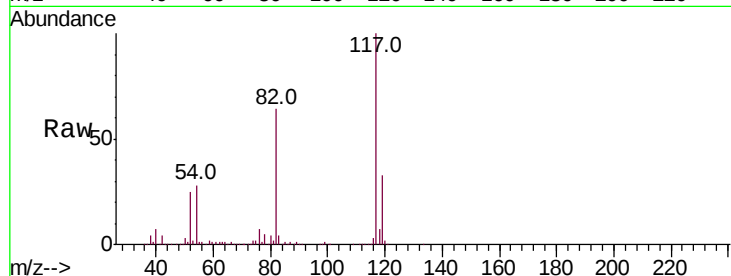
82 64.0 49.4 74.0

119 32.3 24.9 37.3

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Abundance Ion 117.10 (116.80 to 117.80): V

1500000 Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

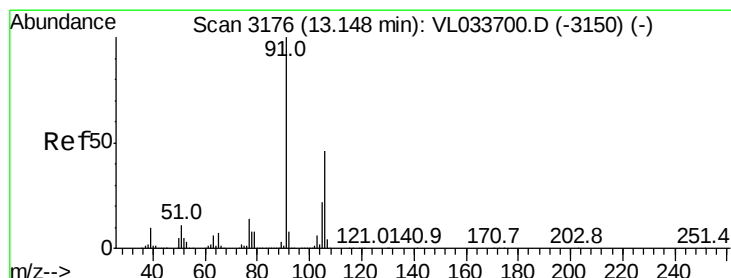
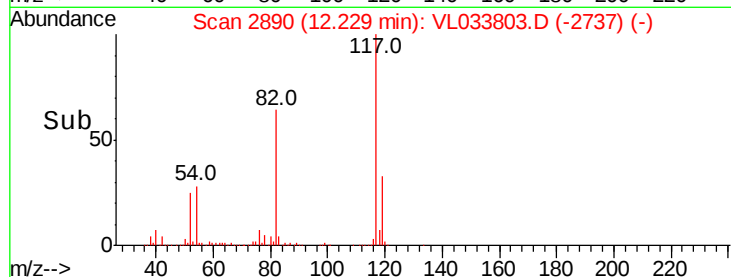
12.23

1000000

500000

0

Time-->



#59

m/p-Xylene

Concen: 0.219 ppbv m

RT: 13.12 min Scan# 3166

Delta R.T. -0.03 min

Lab File: VL033803.D

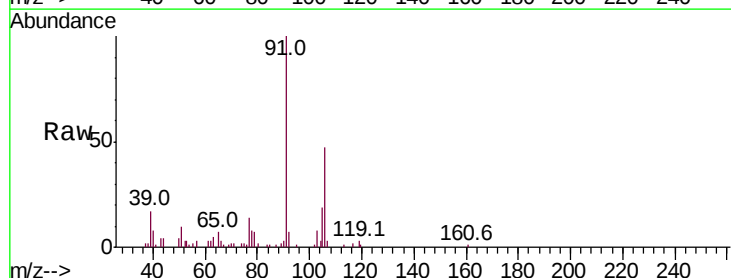
Acq: 28 May 2019 13:43

Tgt Ion: 91 Resp: 60845

Ion Ratio Lower Upper

91 100

106 46.1 35.8 53.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.12

20000

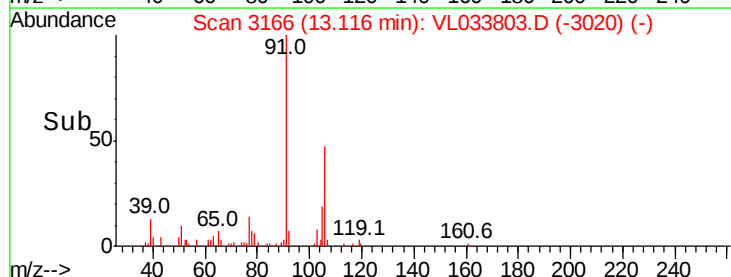
15000

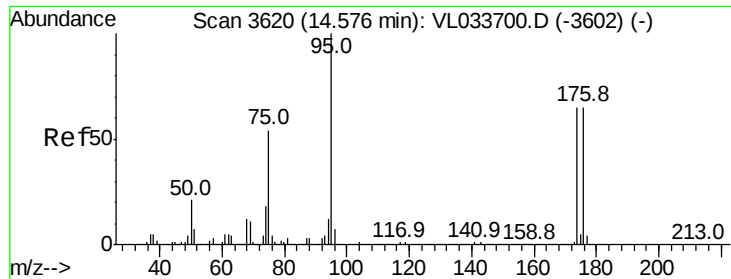
10000

5000

0

Time-->





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.136 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033803.D
 Acq: 28 May 2019 13:43

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3006-55DL

Tot Ion: 95 Resp: 1976491
 Ion Ratio Lower Upper
 95 100
 174 68.6 53.9 80.9
 175 5.0 3.8 5.8

Manual Integrations
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