

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033807.D
 Acq On : 28 May 2019 16:22
 Operator : SY/AP
 Sample : K2929-12DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-25DL

Manual Integrations
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Quant Time: May 29 05:21:01 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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	963654	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2533406	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2380621	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1851272	9.59	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	76505	1.629	ppbv	90
13) Ethanol	3.65	45	39092	2.576	ppbv	98
15) Acetone	3.90	43	1180659	8.831	ppbv	95
17) tert-Butyl alcohol	4.37	59	31910m	0.295	ppbv	
20) Methylene Chloride	4.40	84	28254m	0.549	ppbv	
26) Hexane	5.77	57	36778	0.364	ppbv #	44
27) Carbon Disulfide	4.62	76	16605m	0.120	ppbv	
34) 2-Butanone	5.33	43	163443	1.041	ppbv	95
52) Tetrachloroethene	11.36	164	2581m	0.032	ppbv	
53) Toluene	9.93	91	103852	0.418	ppbv	100
59) m/p-Xylene	13.11	91	82594m	0.300	ppbv	
60) o-Xylene	13.84	91	29600m	0.107	ppbv	
74) 1,2,4-Trimethylbenzene	16.92	105	37868m	0.112	ppbv	

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

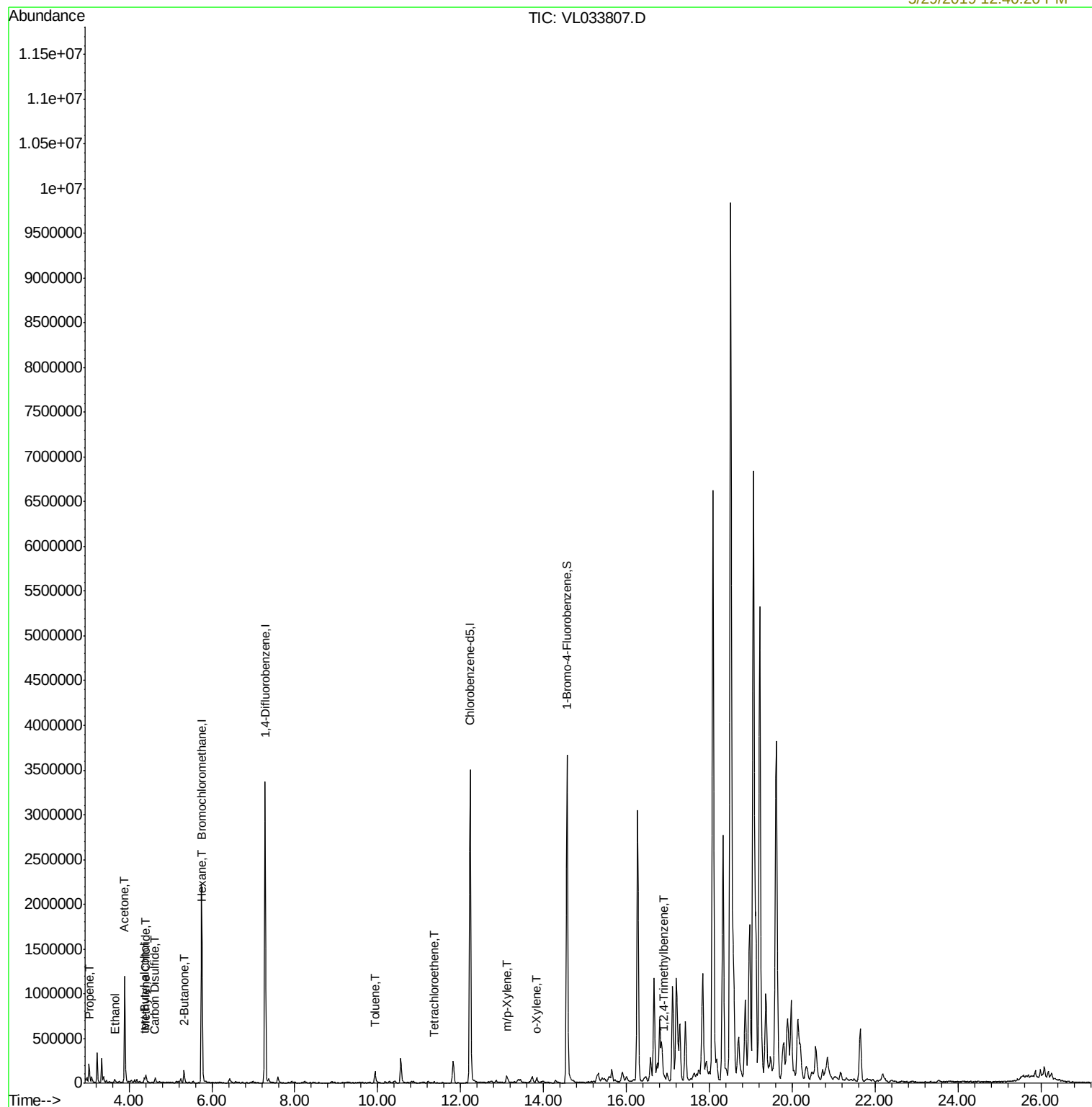
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033807.D
Acq On : 28 May 2019 16:22
Operator : SY/AP
Sample : K2929-12DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

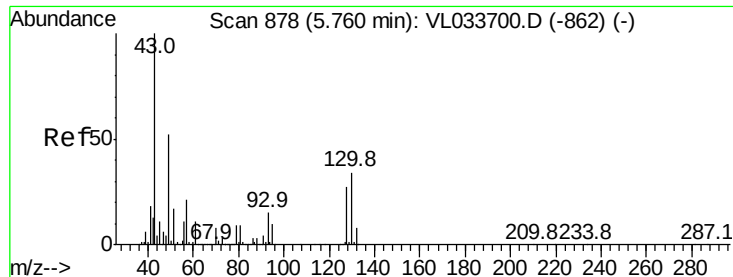
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-25DL

Manual Integrations
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Quant Time: May 29 05:21:01 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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033807.D

Acq: 28 May 2019 16:22

Instrument :

MSVOA_L

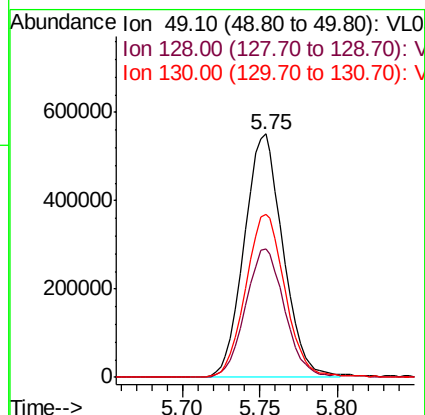
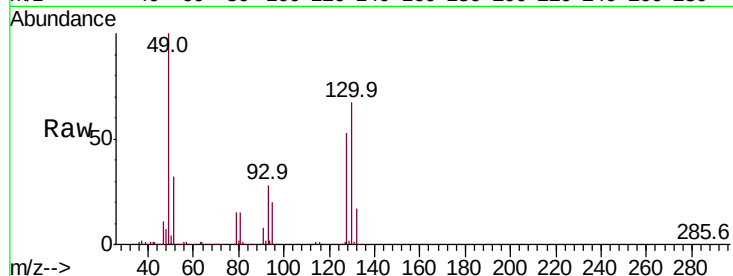
ClientSampleId :

BPS1-SG-3008-25DL

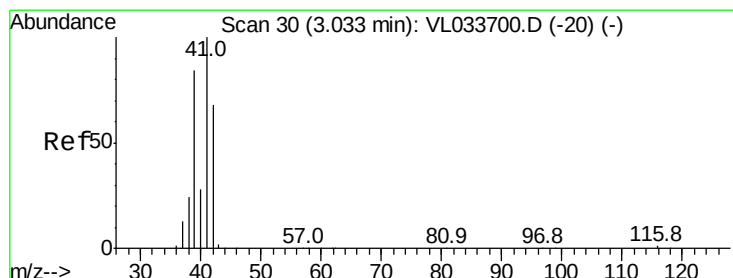
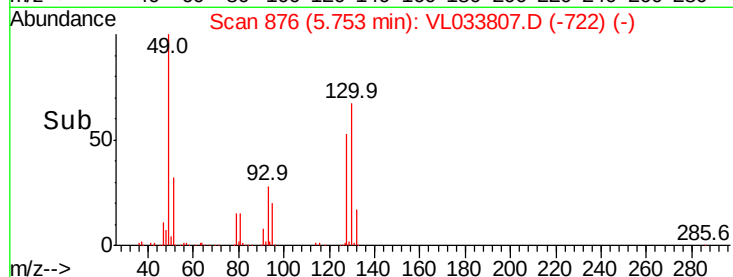
Tot Ion:	49	Resp:	963654
Ion Ratio	Lower	Upper	
49	100		
128	53.6	25.2	75.6
130	68.6	32.5	97.5

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#9

Propene

Concen: 1.629 ppbv

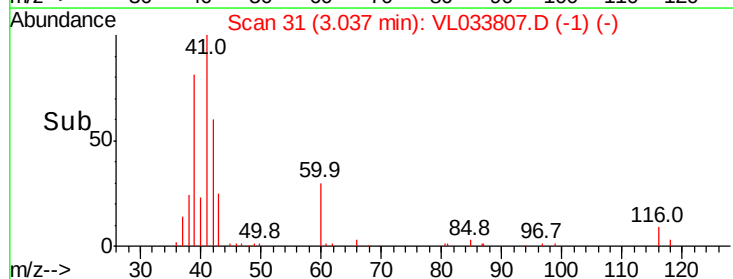
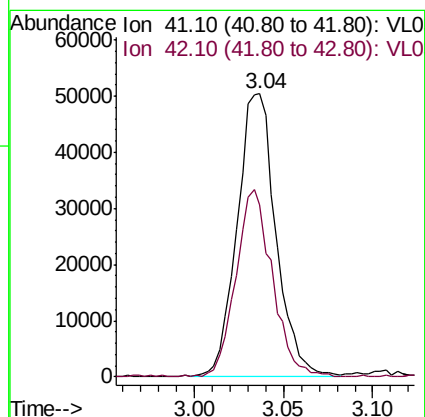
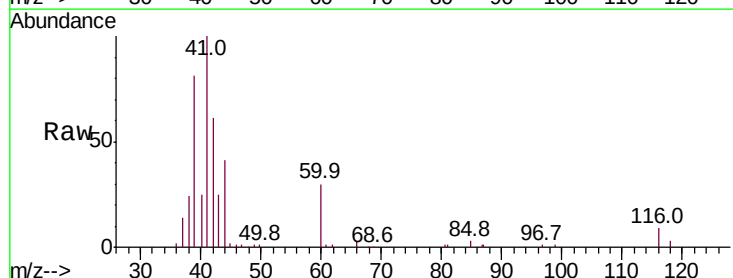
RT: 3.04 min Scan# 31

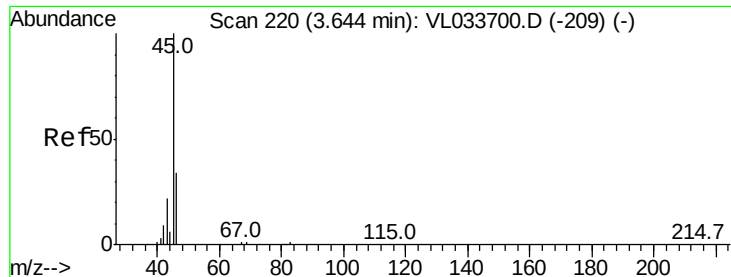
Delta R.T. 0.00 min

Lab File: VL033807.D

Acq: 28 May 2019 16:22

Tgt Ion:	41	Resp:	76505
Ion Ratio	Lower	Upper	
41	100		
42	62.2	56.1	84.1





#13
Ethanol
Concen: 2.576 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033807.D
Acq: 28 May 2019 16:22

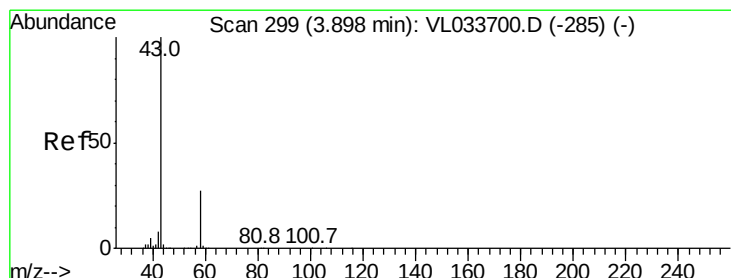
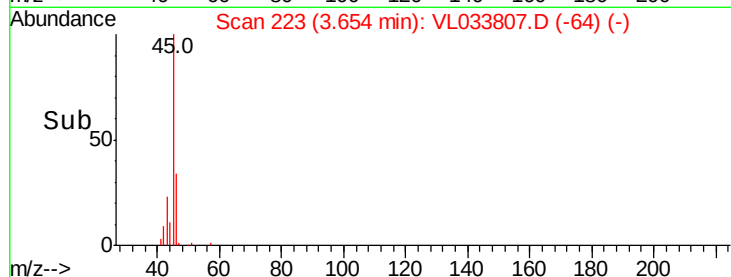
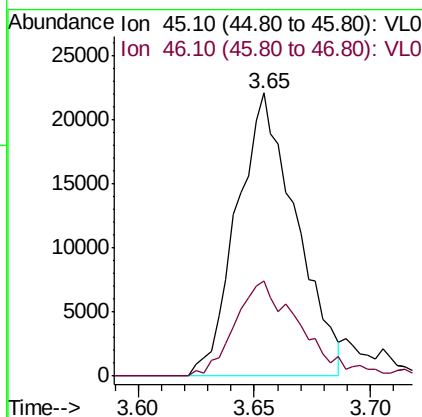
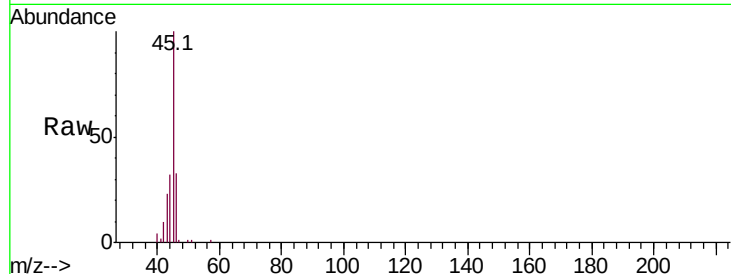
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-25DL

Tot Ion: 45 Resp: 39092
Ion Ratio Lower Upper
45 100
46 38.0 14.8 59.0

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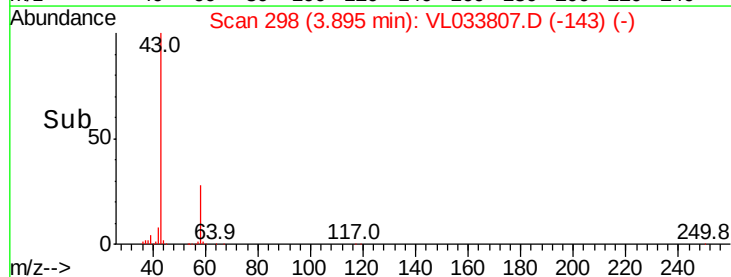
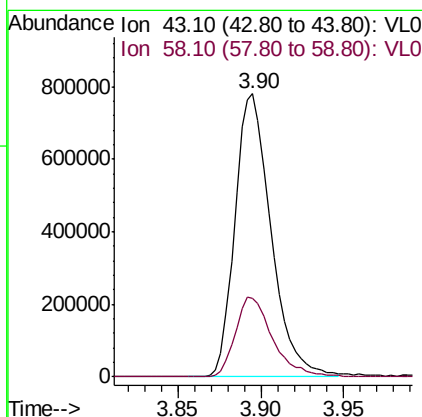
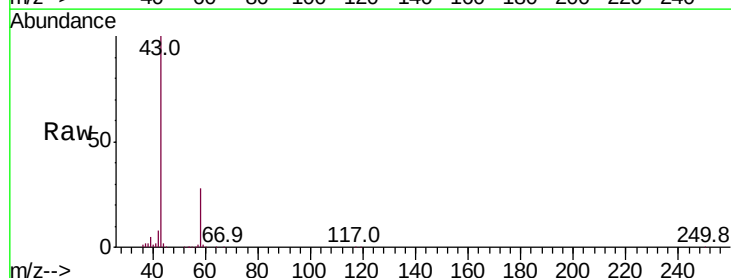
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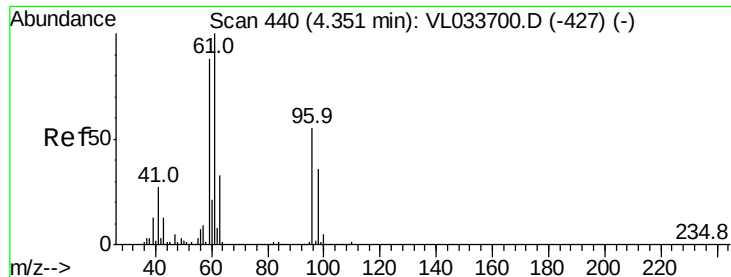
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#15
Acetone
Concen: 8.831 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033807.D
Acq: 28 May 2019 16:22

Tgt Ion: 43 Resp: 1180659
Ion Ratio Lower Upper
43 100
58 29.3 21.3 31.9





#17

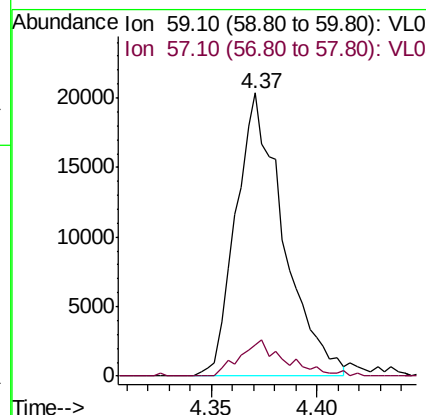
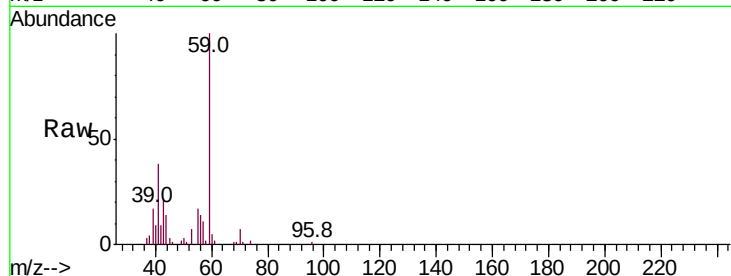
tert-Butyl alcohol
 Concen: 0.295 ppbv m
 RT: 4.37 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VL033807.D
 Acq: 28 May 2019 16:22

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-25DL

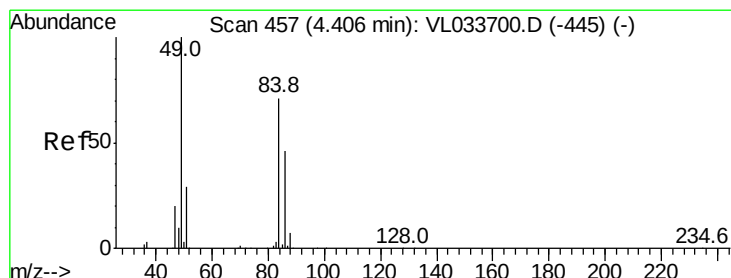
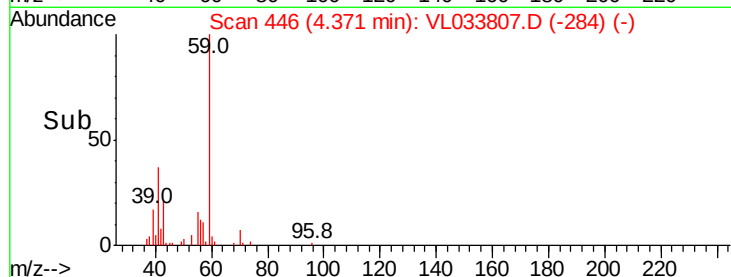
Tot Ion: 59 Resp: 31910
 Ion Ratio Lower Upper
 59 100
 57 12.2 8.4 12.6

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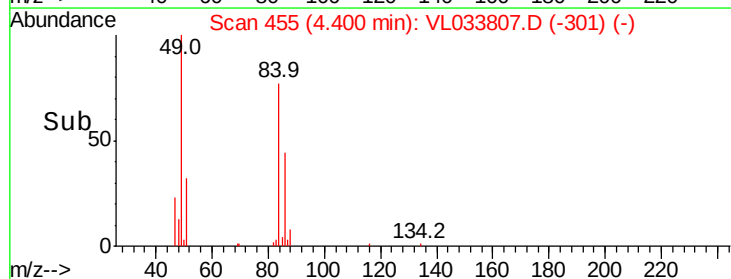
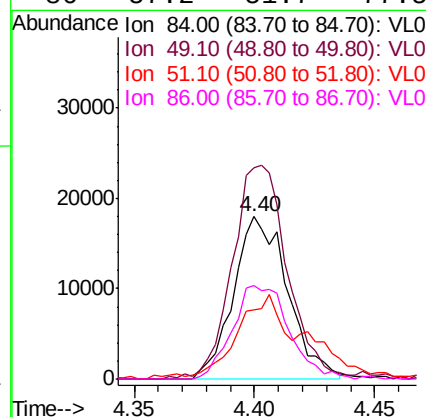
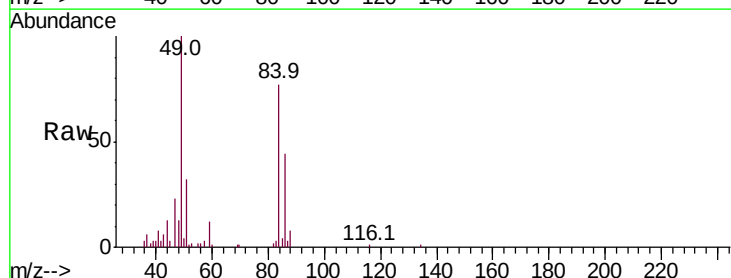
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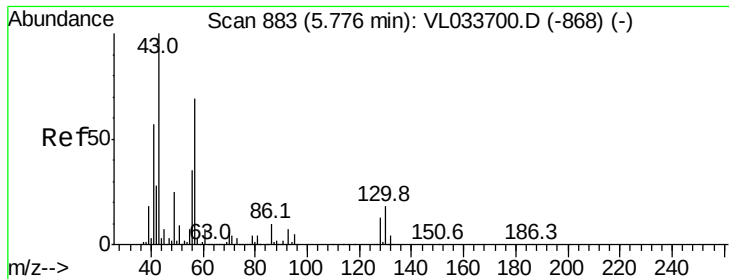


#20

Methylene Chloride
 Concen: 0.549 ppbv m
 RT: 4.40 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VL033807.D
 Acq: 28 May 2019 16:22

Tgt Ion: 84 Resp: 28254
 Ion Ratio Lower Upper
 84 100
 49 129.7 112.8 169.2
 51 41.5 33.4 50.0
 86 57.2 51.7 77.5





#26

Hexane

Concen: 0.364 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033807.D

Acq: 28 May 2019 16:22

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3008-25DL

Tot Ion: 57 Resp: 36778

Ion Ratio Lower Upper

57 100

41 95.1 69.8 104.6

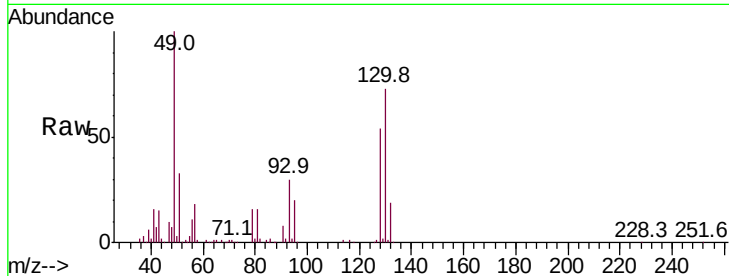
43 87.6 181.8 272.6#

56 60.4 42.1 63.1

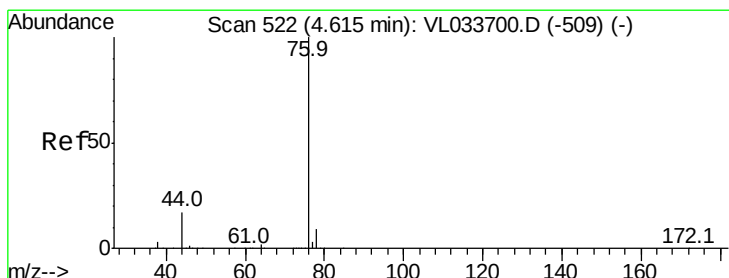
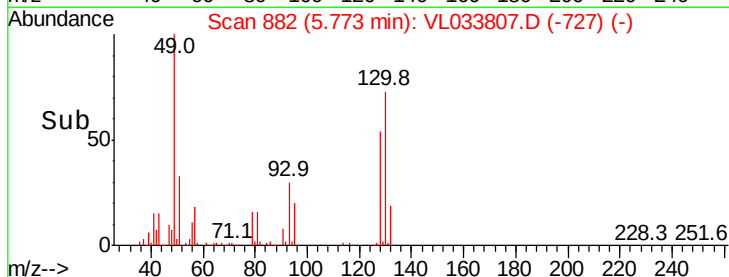
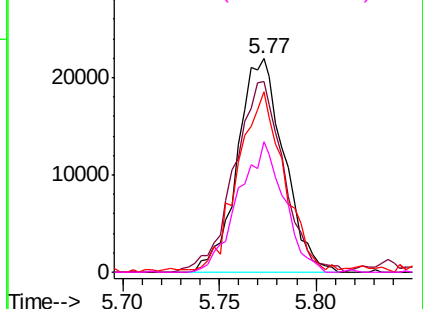
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Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.120 ppbv m

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033807.D

Acq: 28 May 2019 16:22

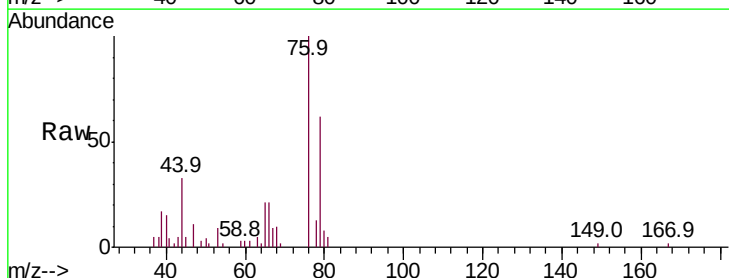
Tgt Ion: 76 Resp: 16605

Ion Ratio Lower Upper

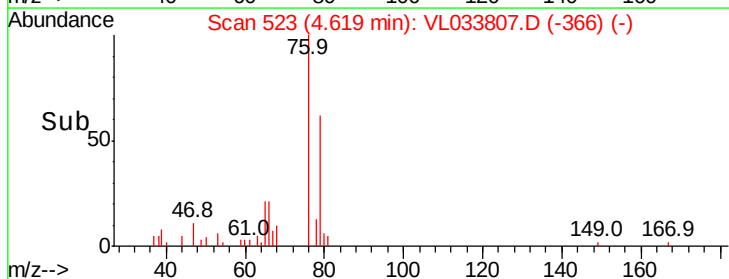
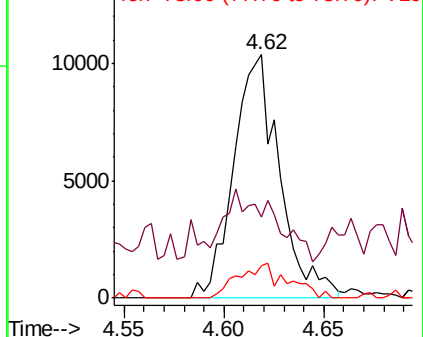
76 100

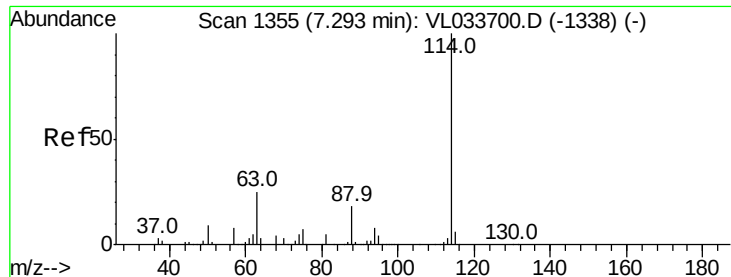
44 39.0 13.8 20.8#

78 16.3 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





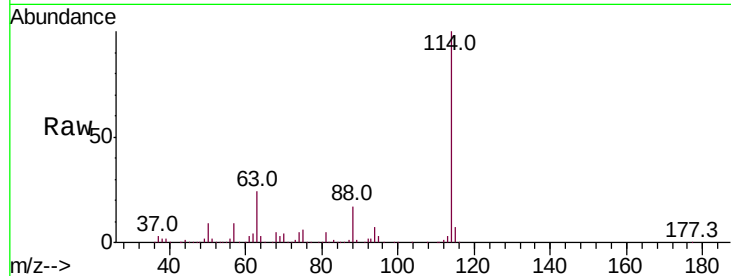
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033807.D
 Acq: 28 May 2019 16:22

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-25DL

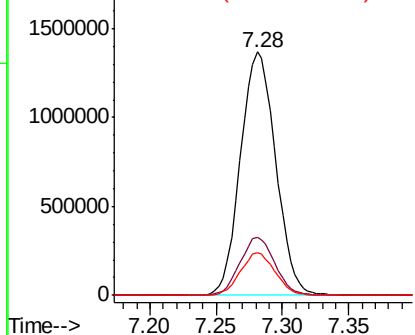
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	20.9	31.3
88	17.2	14.3	21.5

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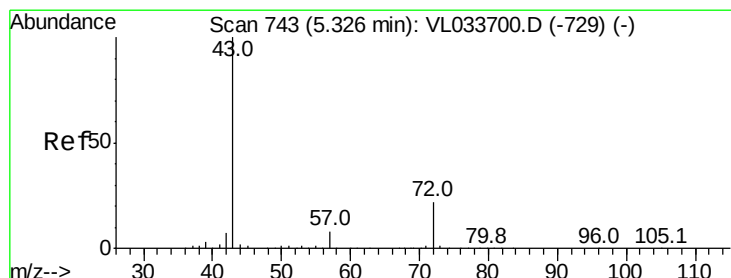
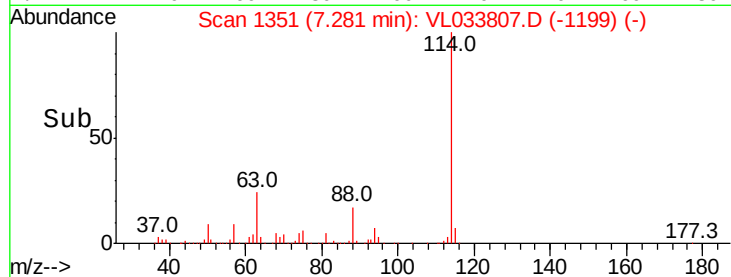
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Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

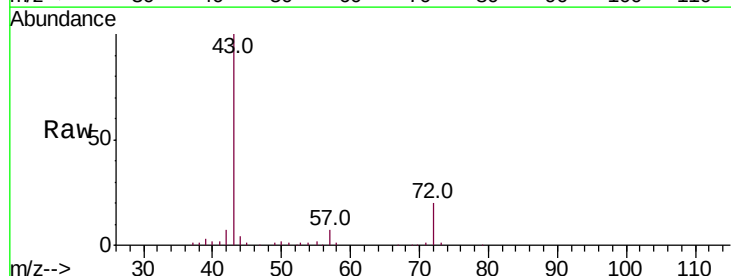


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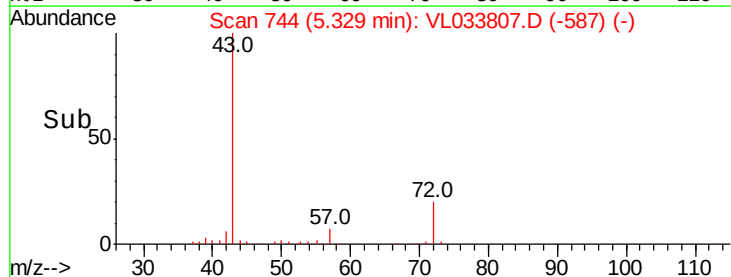
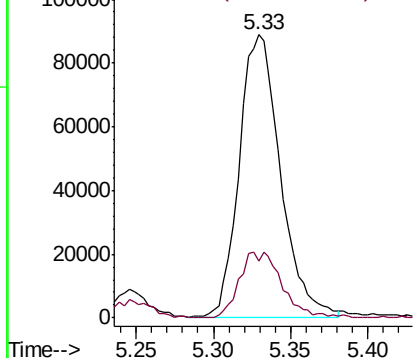


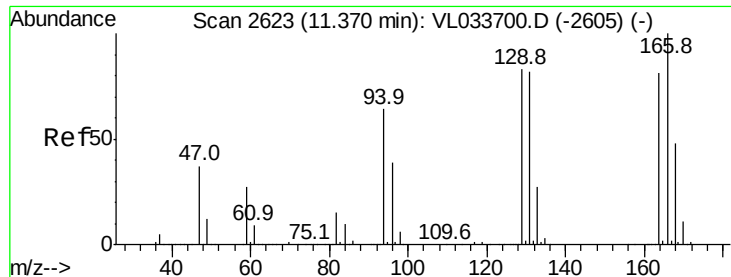
#34
 2-Butanone
 Concen: 1.041 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033807.D
 Acq: 28 May 2019 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.4	17.8	26.6



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





#52

Tetrachloroethene

Concen: 0.032 ppbv m

RT: 11.36 min Scan# 2619

Delta R.T. -0.01 min

Lab File: VL033807.D

Acq: 28 May 2019 16:22

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion:164 Resp: 2581

Ion Ratio Lower Upper

164 100

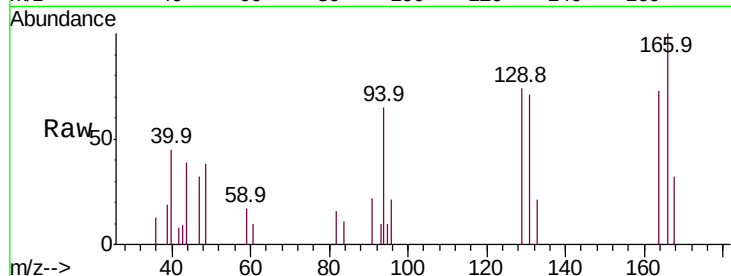
166 136.1 98.9 148.3

129 100.2 81.8 122.6

131 96.0 81.1 121.7

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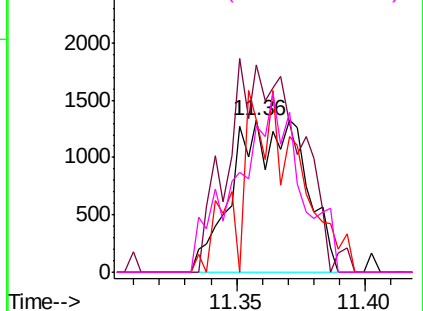
Abundance

Ion 163.90 (163.60 to 164.60): V

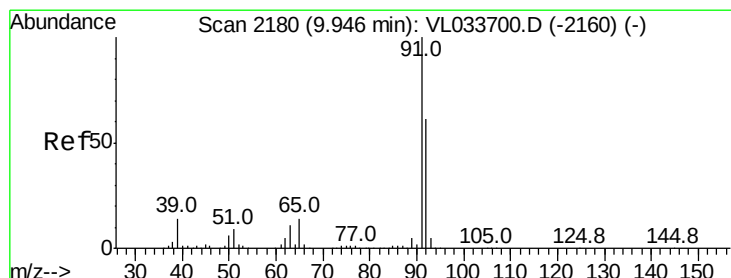
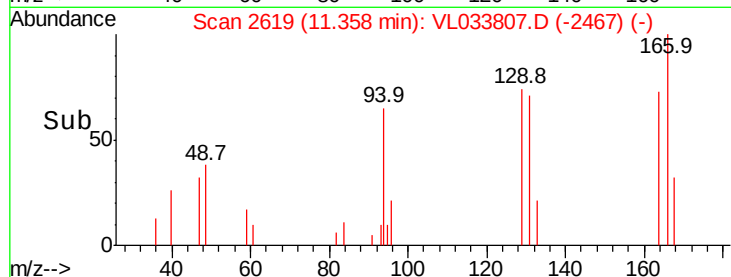
Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



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#53

Toluene

Concen: 0.418 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VL033807.D

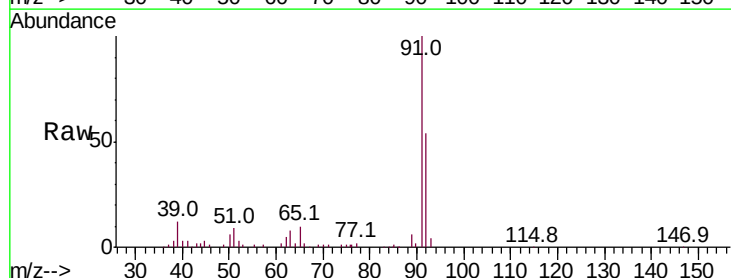
Acq: 28 May 2019 16:22

Tgt Ion: 91 Resp: 103852

Ion Ratio Lower Upper

91 100

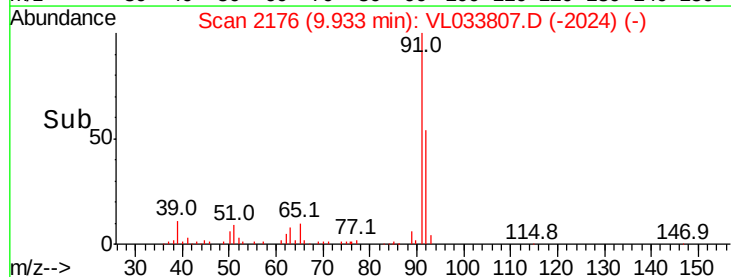
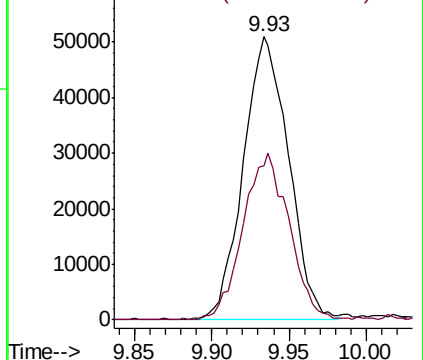
92 59.7 47.6 71.4

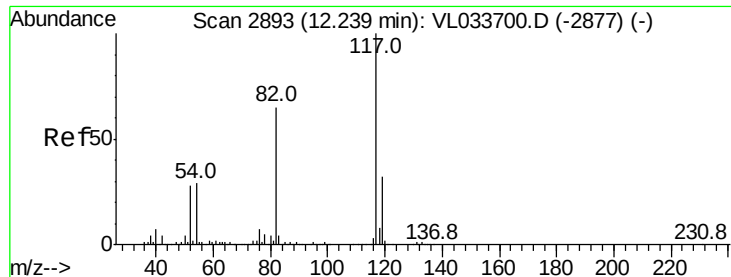


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





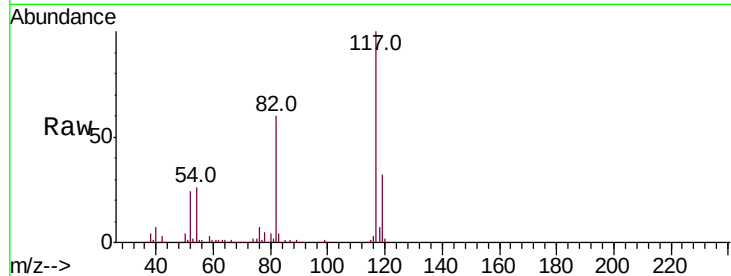
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033807.D
Acq: 28 May 2019 16:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-25DL

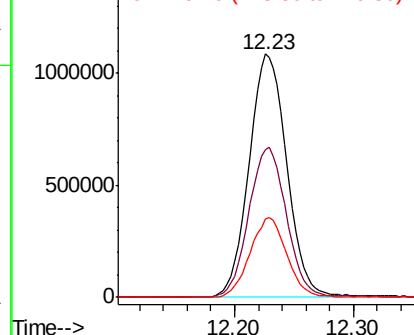
Tot Ion:117	Resp: 2380621
Ion Ratio	Lower Upper
117 100	
82 62.6	49.4 74.0
119 32.3	24.9 37.3

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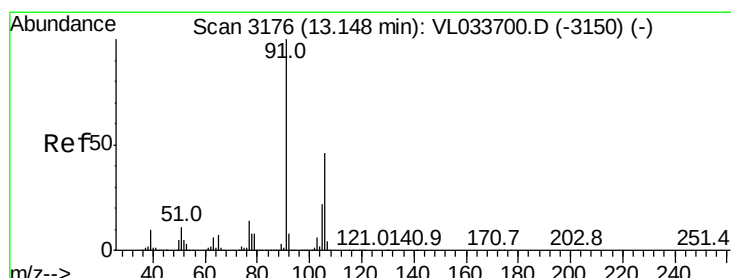
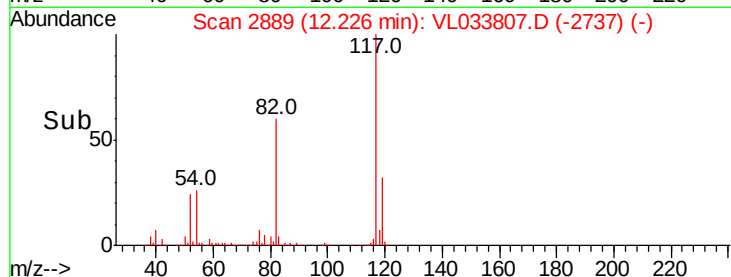
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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

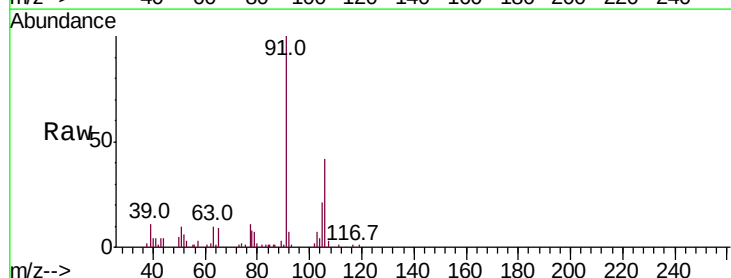


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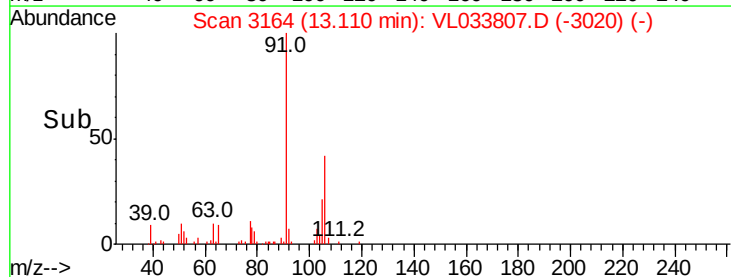
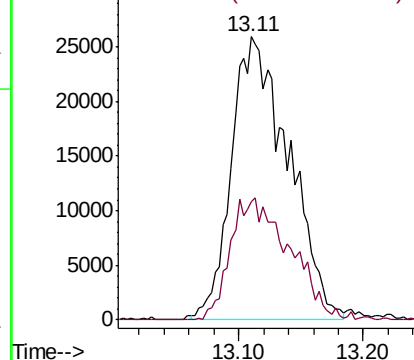


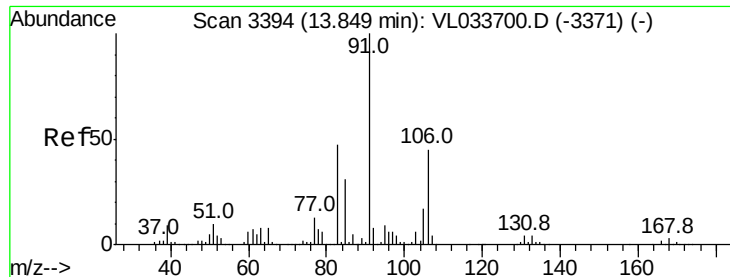
#59
m/p-Xylene
Concen: 0.300 ppbv m
RT: 13.11 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL033807.D
Acq: 28 May 2019 16:22

Tgt Ion: 91	Resp: 82594
Ion Ratio	Lower Upper
91 100	
106 0.0	35.8 53.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





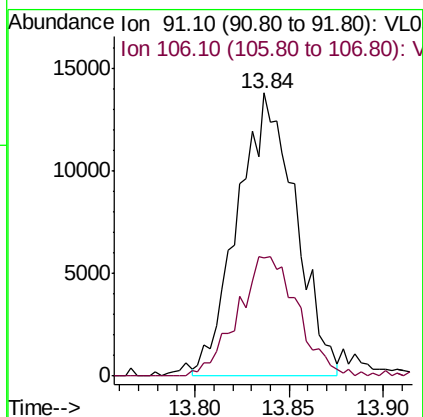
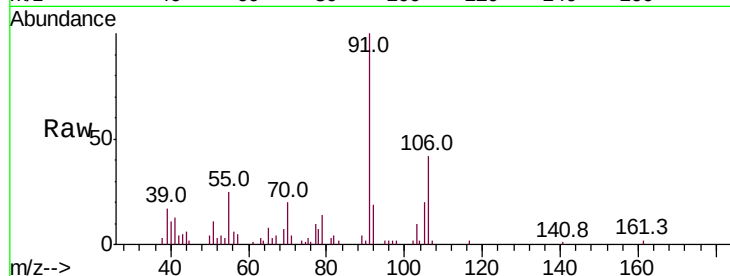
#60
o-Xylene
Concen: 0.107 ppbv m
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033807.D
Acq: 28 May 2019 16:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-25DL

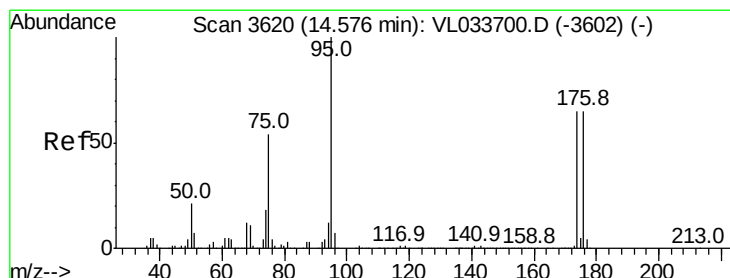
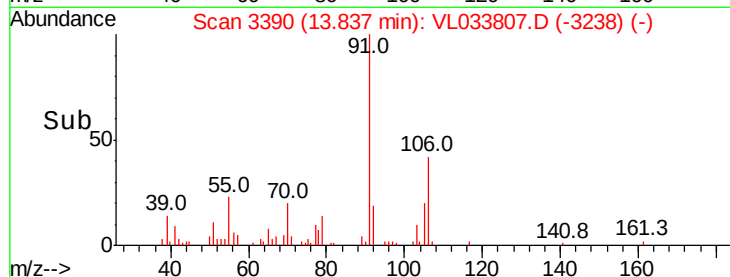
Tot Ion: 91 Resp: 29600
Ion Ratio Lower Upper
91 100
106 43.9 21.6 64.8

Manual Integrations
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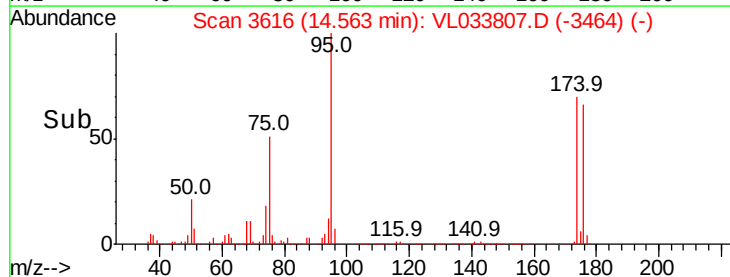
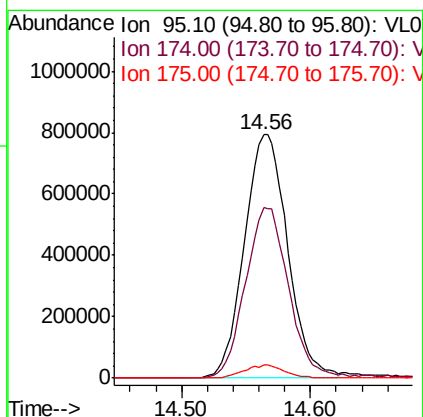
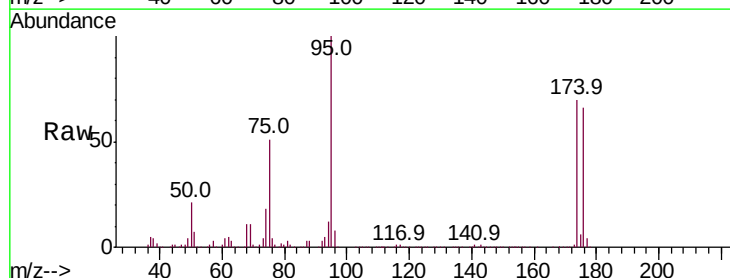


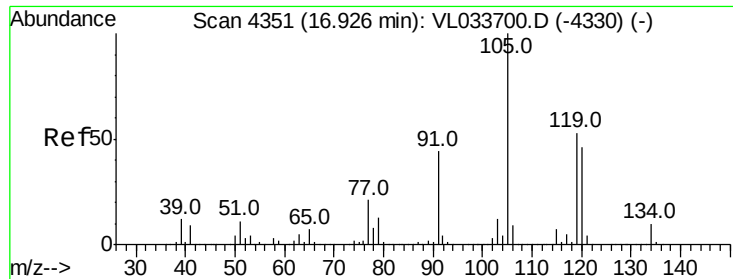
5/29/2019 12:40:20 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.592 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033807.D
Acq: 28 May 2019 16:22

Tgt Ion: 95 Resp: 1851272
Ion Ratio Lower Upper
95 100
174 71.2 53.9 80.9
175 5.2 3.8 5.8





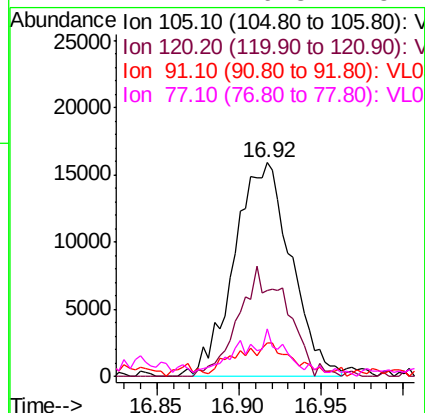
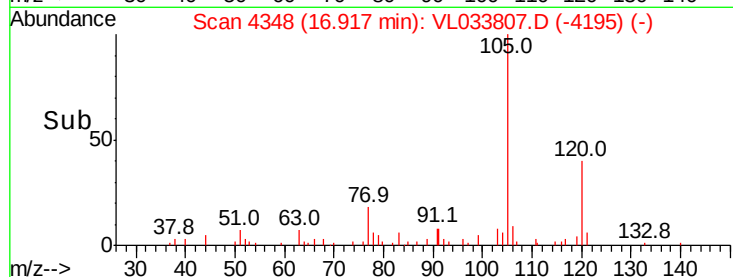
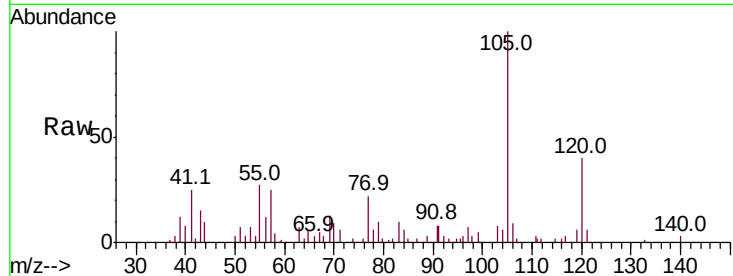
#74
 1,2,4-Trimethylbenzene
 Concen: 0.112 ppbv m
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL033807.D
 Acq: 28 May 2019 16:22

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-25DL

Tot Ion:	105	Resp:	37868
Ion Ratio	Lower	Upper	
105	100		
120	40.1	36.8	55.2
91	8.0	35.4	53.0#
77	22.4	16.8	25.2

Manual Integrations
 APPROVED

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5/29/2019 12:40:20 PM