

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033794.D
 Acq On : 24 May 2019 4:42
 Operator : SY/AP
 Sample : K2929-16DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3006-25DL

Manual Integrations
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 5/28/2019 2:54:01 AM

Quant Time: May 24 07:41:21 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	1001470	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2509692	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2454630	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2031241	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	230489	4.724	ppbv	92
10) Heptane	8.24	43	18415	0.133	ppbv	99
13) Ethanol	3.65	45	81806	5.187	ppbv	95
15) Acetone	3.89	43	1568019	11.285	ppbv	97
17) tert-Butyl alcohol	4.37	59	40309	0.359	ppbv	97
26) Hexane	5.78	57	32665	0.311	ppbv #	43
27) Carbon Disulfide	4.62	76	26240m	0.182	ppbv	
34) 2-Butanone	5.33	43	153639	0.988	ppbv	99
36) Benzene	7.00	78	30449	0.133	ppbv #	91
53) Toluene	9.94	91	209439	0.851	ppbv	98
58) Ethyl Benzene	12.86	91	34146m	0.105	ppbv	
59) m/p-Xylene	13.11	91	116495m	0.410	ppbv	
60) o-Xylene	13.84	91	44768	0.156	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	39890	0.115	ppbv #	73

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

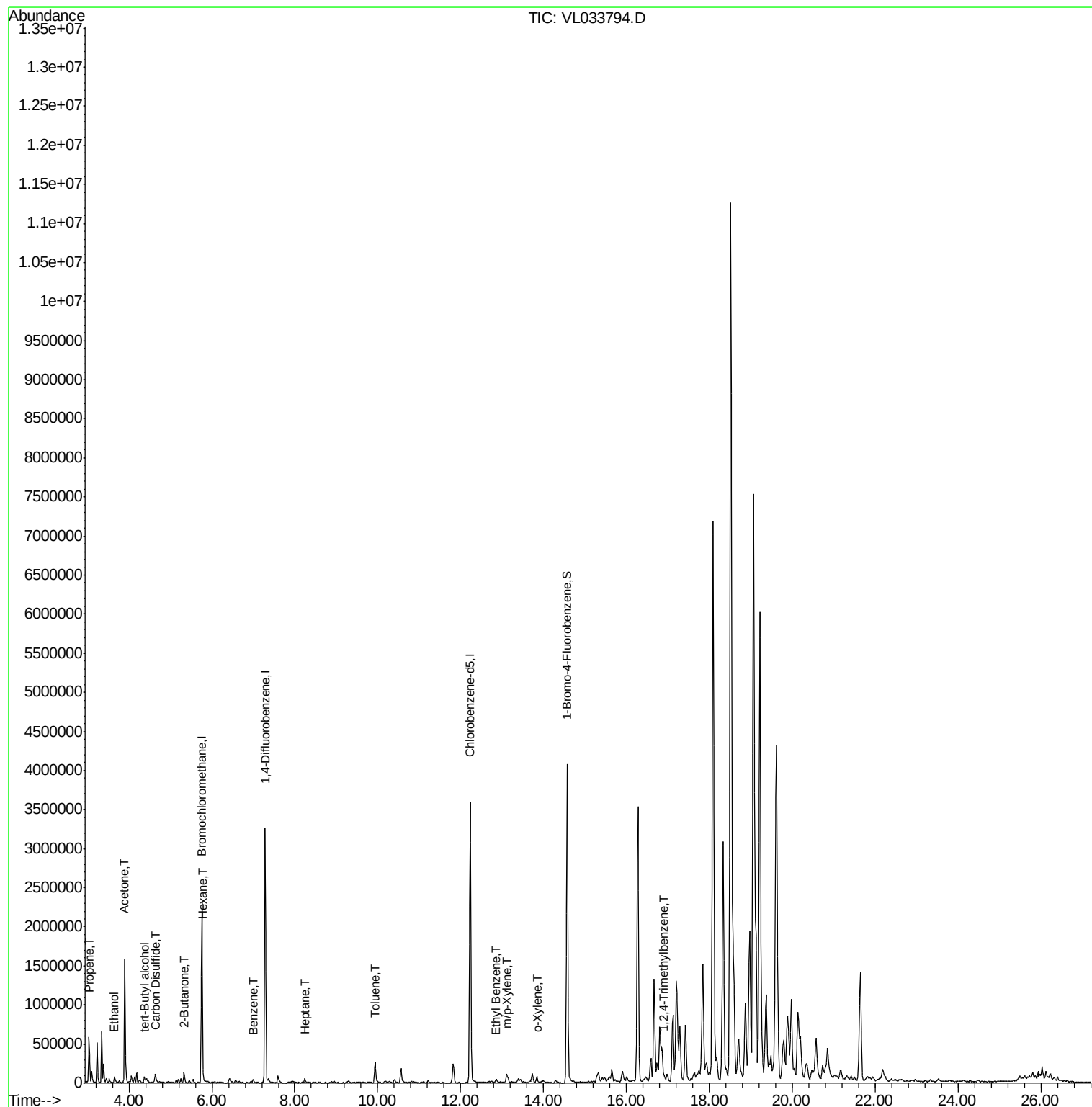
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052319\
Data File : VL033794.D
Acq On : 24 May 2019 4:42
Operator : SY/AP
Sample : K2929-16DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

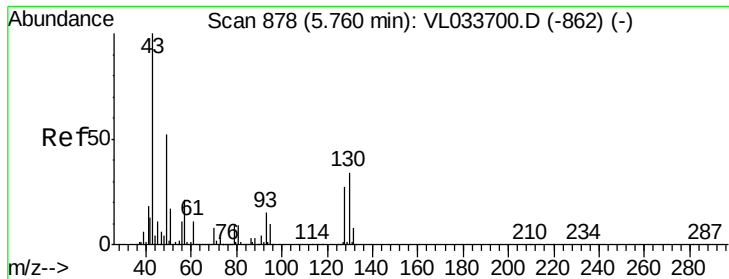
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25DL

Manual Integrations
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Quant Time: May 24 07:41:21 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: VL033794.D

Acq: 24 May 2019 4:42

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-25DL

Tot Ion: 49 Resp: 1001470

Ion Ratio Lower Upper

49 100

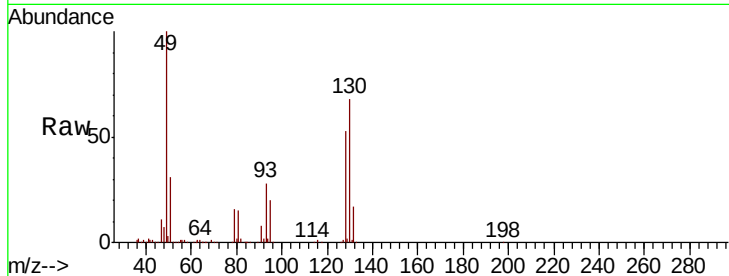
128 53.4 25.2 75.6

130 68.9 32.5 97.5

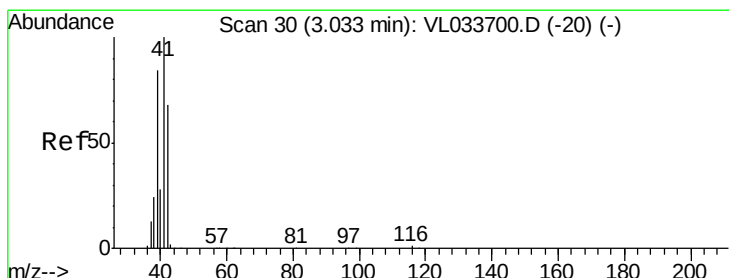
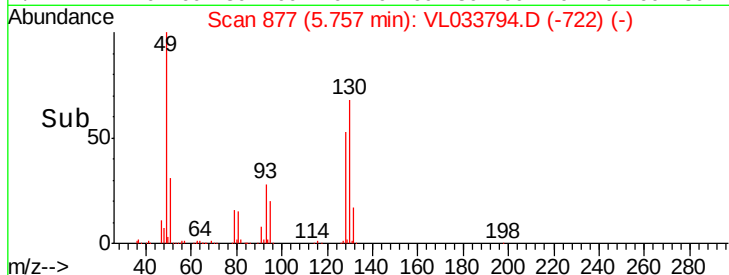
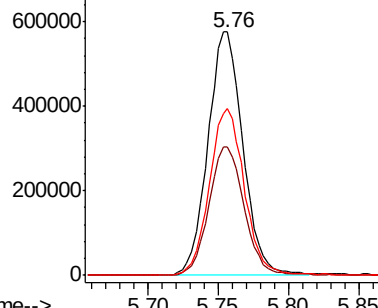
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 4.724 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033794.D

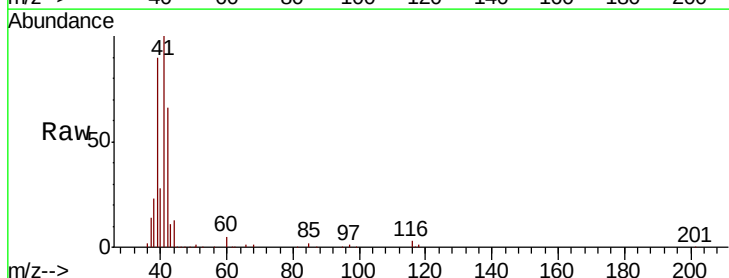
Acq: 24 May 2019 4:42

Tgt Ion: 41 Resp: 230489

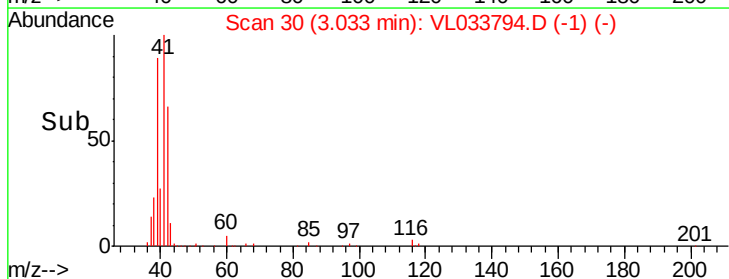
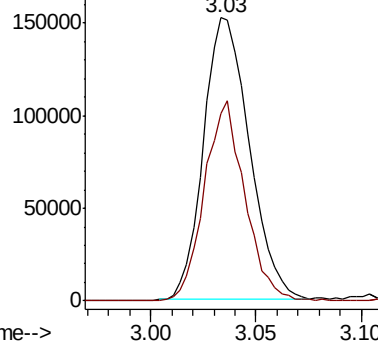
Ion Ratio Lower Upper

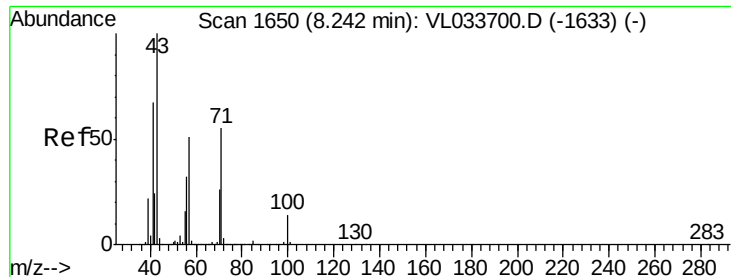
41 100

42 63.4 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





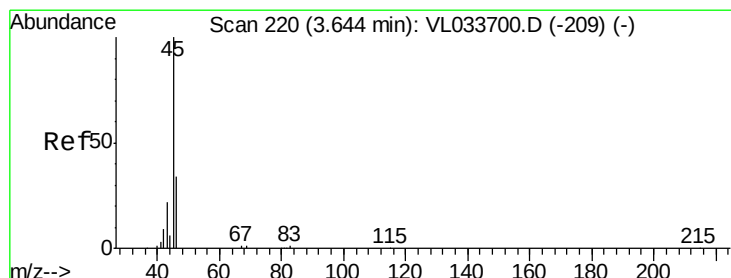
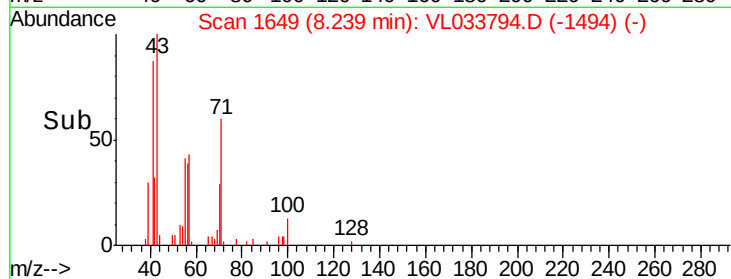
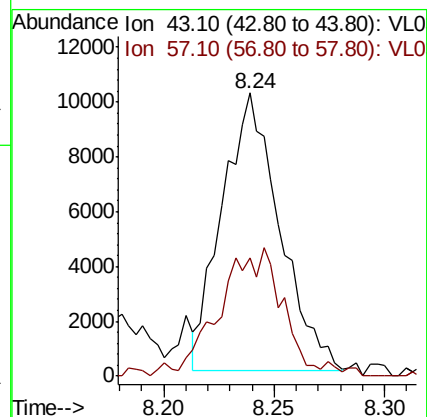
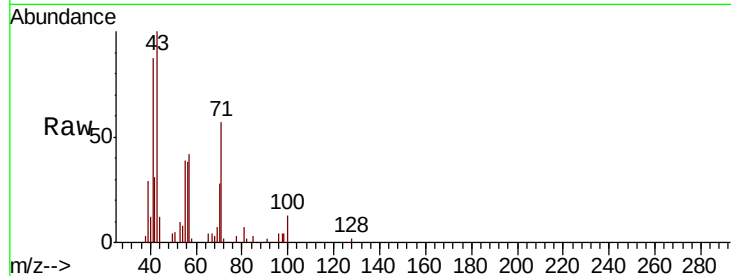
#10
Heptane
Concen: 0.133 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25DL

Tot Ion	43	Resp	18415
Ion Ratio	100	Lower	Upper
57	52.6	41.4	62.0

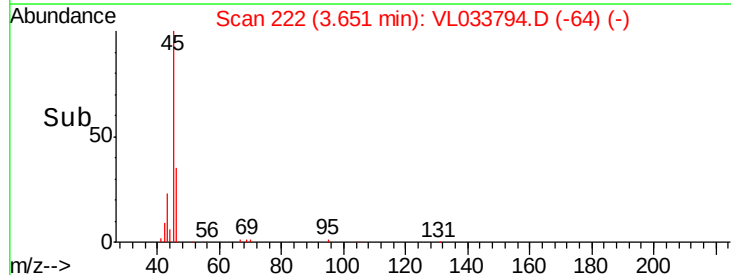
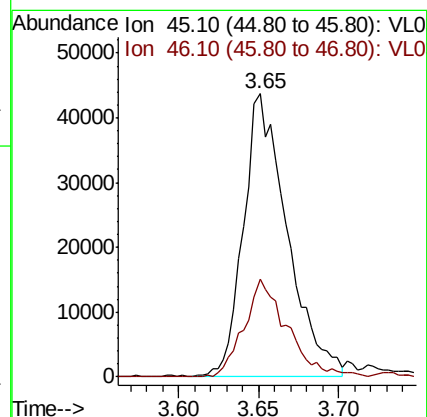
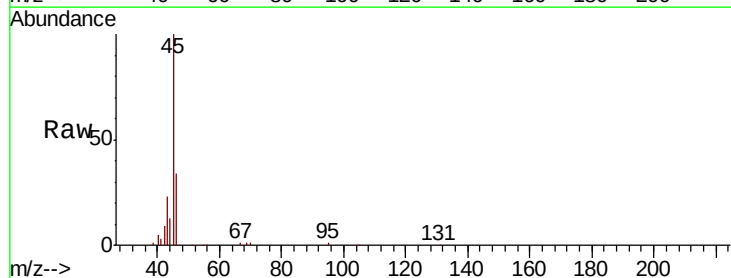
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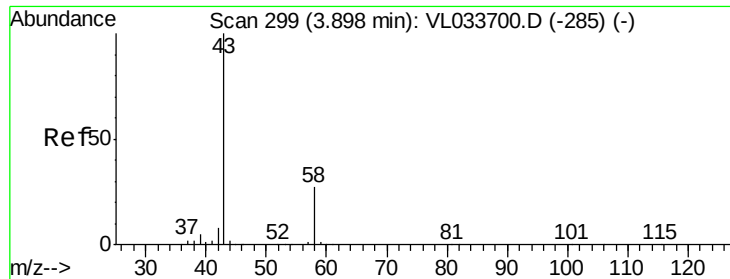
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#13
Ethanol
Concen: 5.187 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Tgt Ion	45	Resp	81806
Ion Ratio	100	Lower	Upper
46	34.2	14.8	59.0





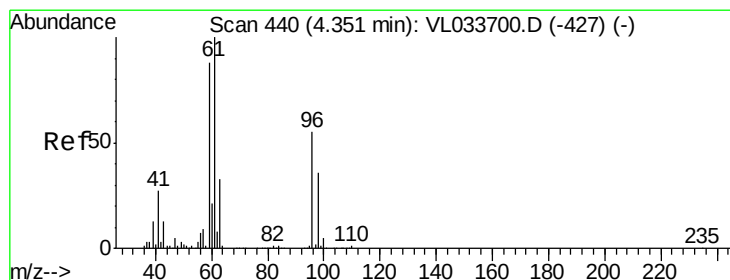
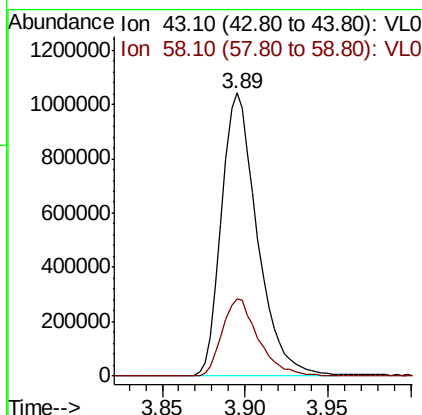
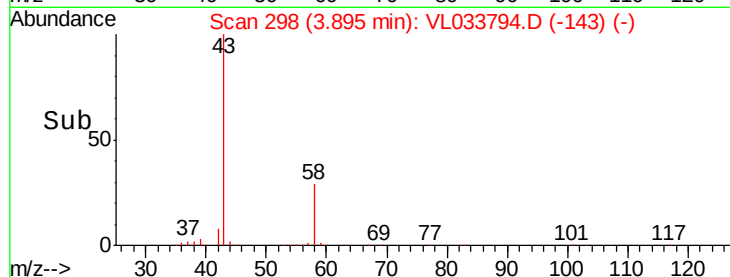
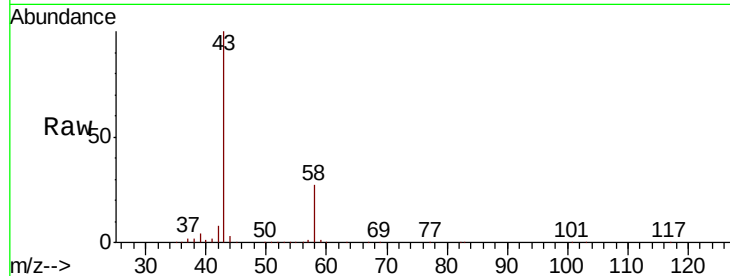
#15
Acetone
Concen: 11.285 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25DL

Tot Ion: 43 Resp: 1568019
Ion Ratio Lower Upper
43 100
58 28.0 21.3 31.9

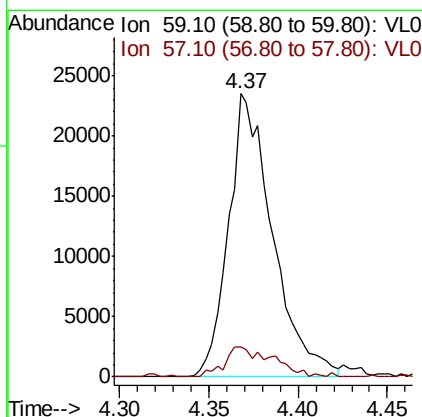
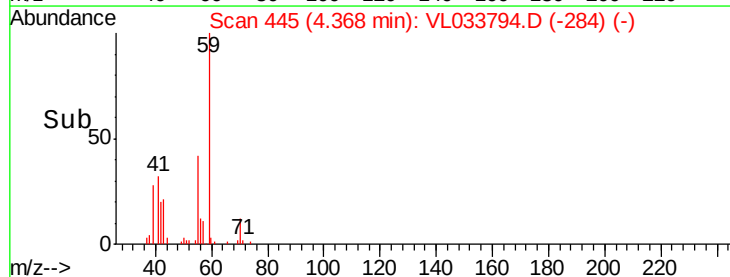
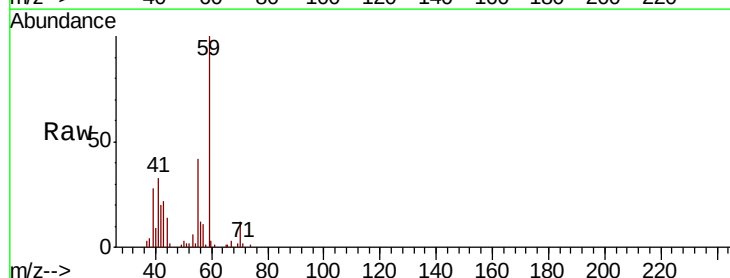
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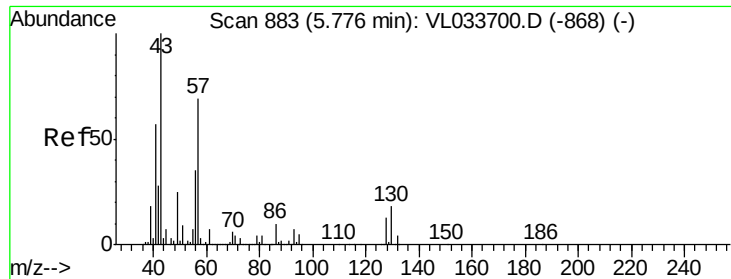
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#17
tert-Butyl alcohol
Concen: 0.359 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.02 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Tgt Ion: 59 Resp: 40309
Ion Ratio Lower Upper
59 100
57 11.8 8.4 12.6





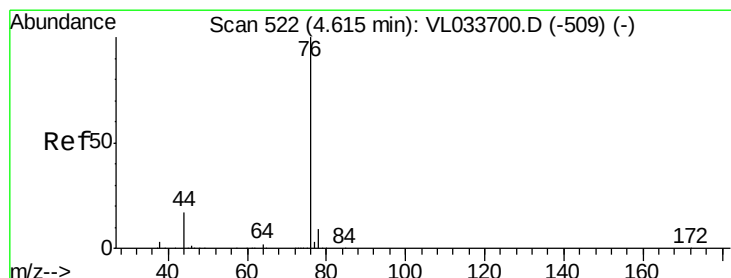
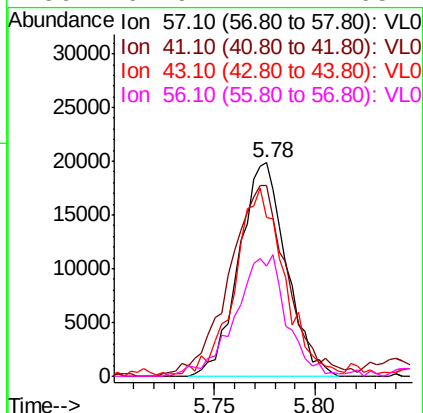
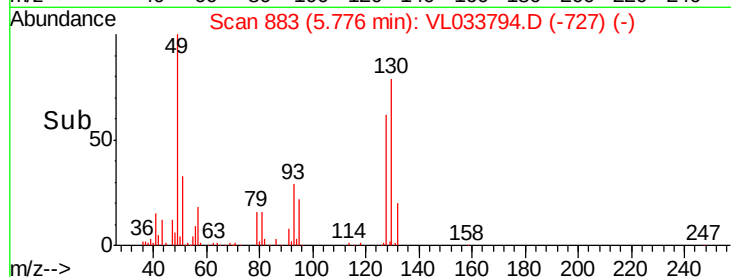
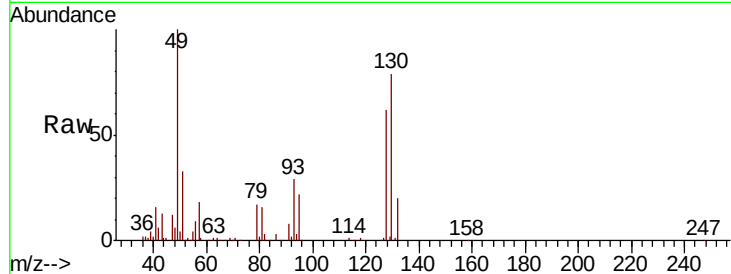
#26
Hexane
Concen: 0.311 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	109.7	69.8	104.6#
43	96.4	181.8	272.6#
56	61.9	42.1	63.1

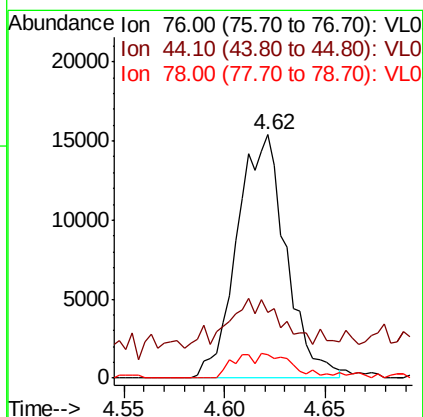
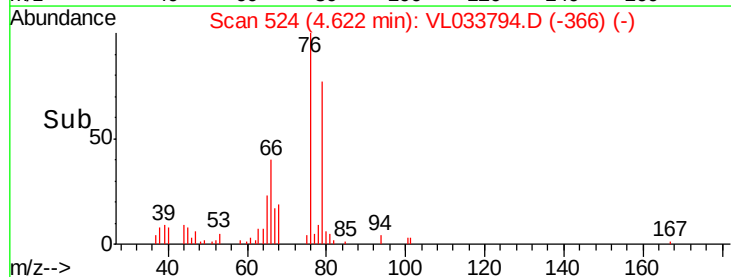
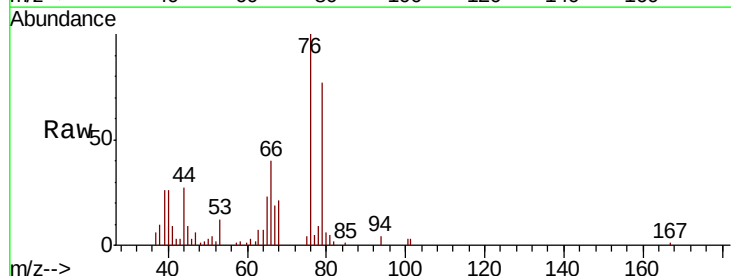
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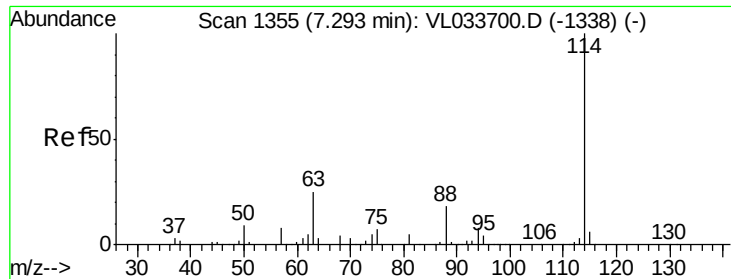
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#27
Carbon Disulfide
Concen: 0.182 ppbv m
RT: 4.62 min Scan# 524
Delta R.T. 0.01 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Tgt Ion	Ratio	Lower	Upper
76	100		
44	38.2	13.8	20.8#
78	0.0	7.4	11.0#





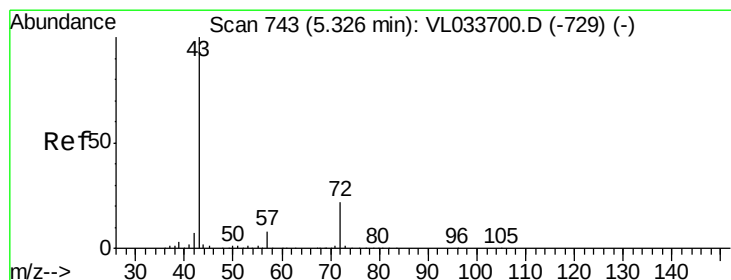
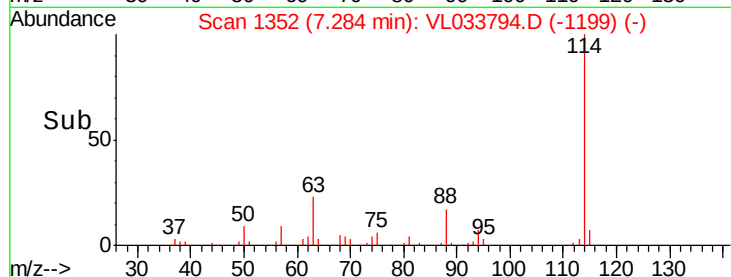
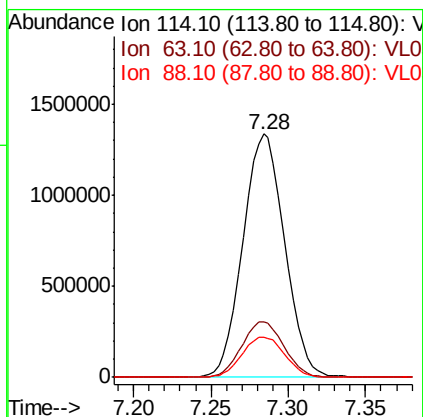
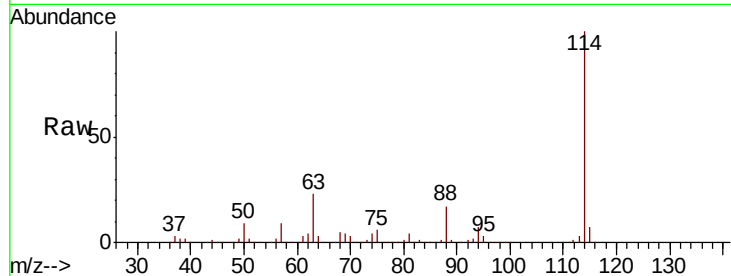
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033794.D
 Acq: 24 May 2019 4:42

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3006-25DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.3	20.9	31.3
88	17.0	14.3	21.5

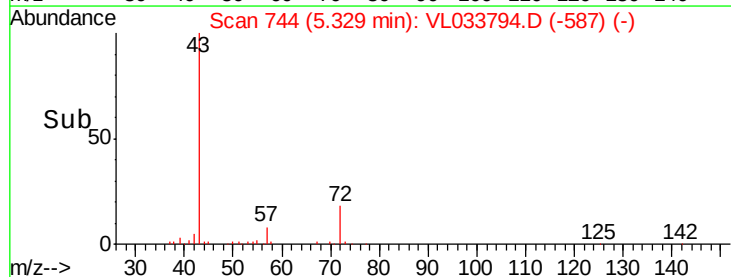
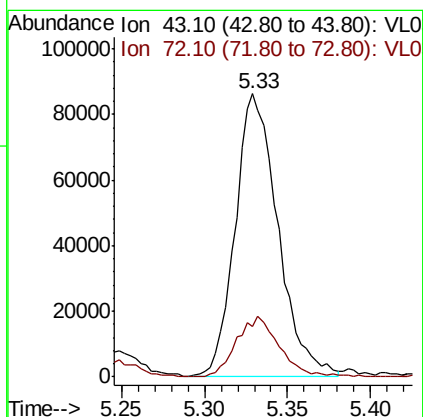
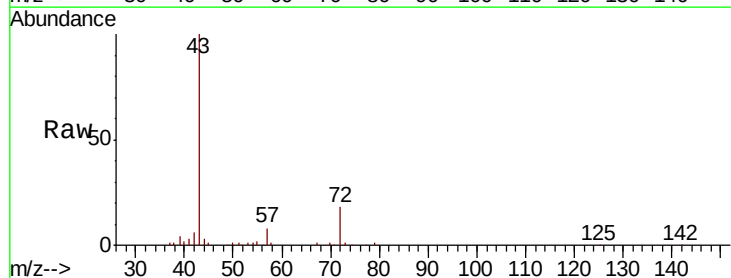
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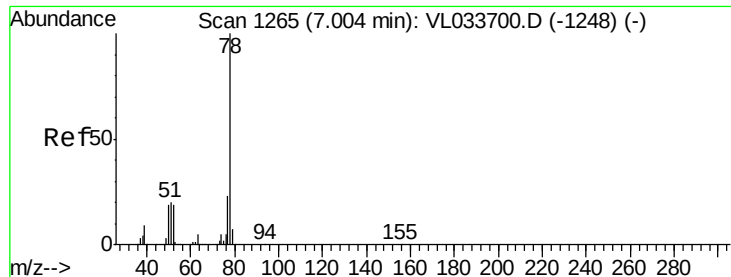
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#34
 2-Butanone
 Concen: 0.988 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033794.D
 Acq: 24 May 2019 4:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.8	26.6





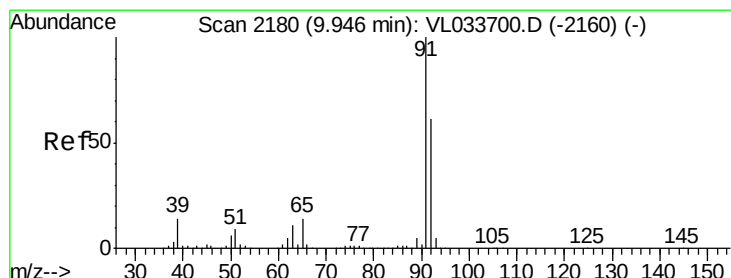
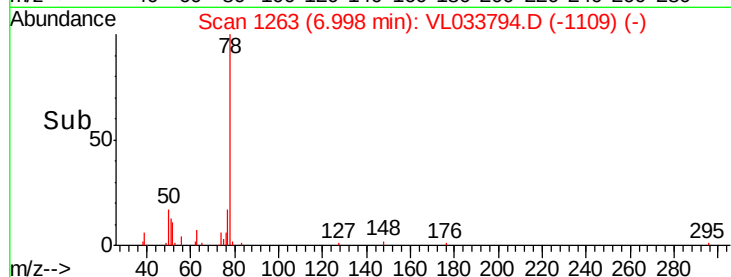
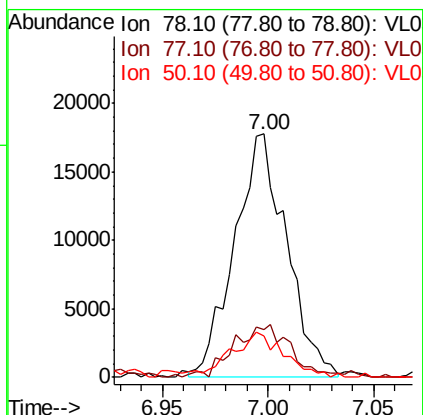
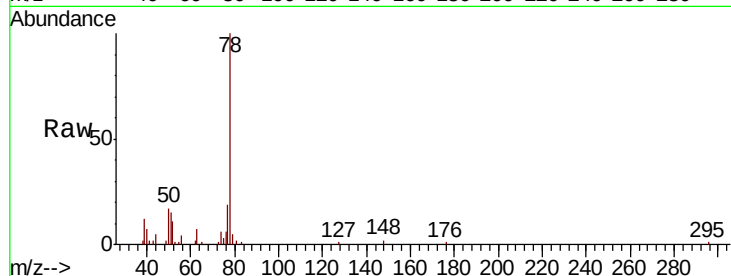
#36
Benzene
Concen: 0.133 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	18.3	18.4	27.6#
50	15.5	15.5	23.3#

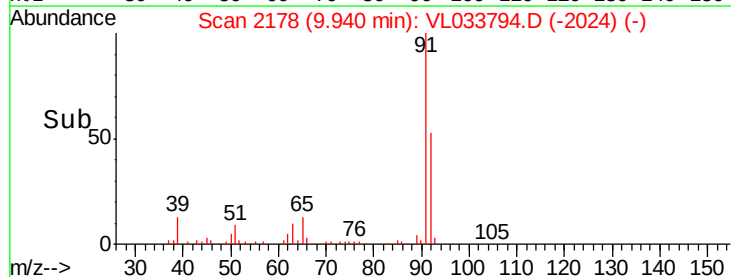
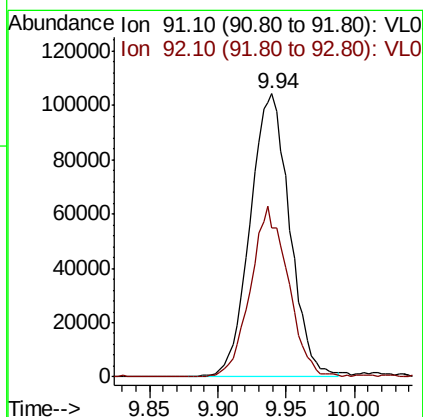
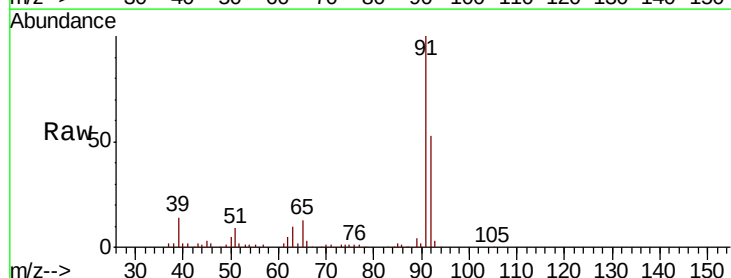
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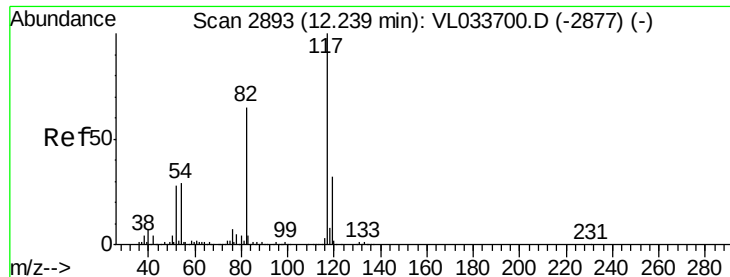
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#53
Toluene
Concen: 0.851 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.6	71.4





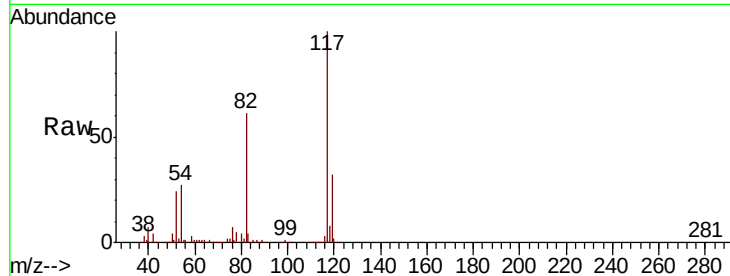
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25DL

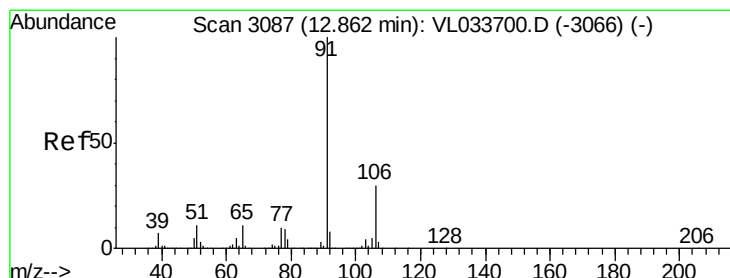
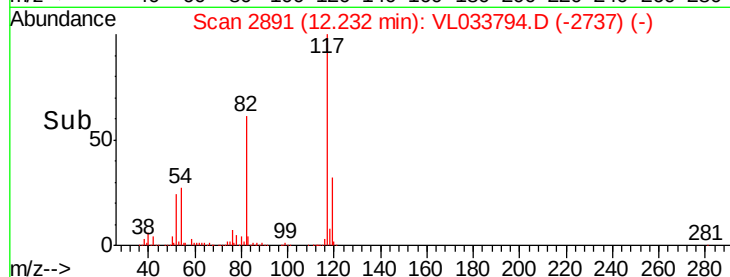
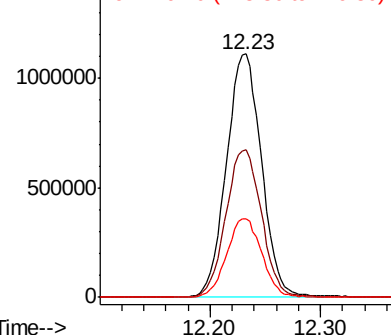
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.1	49.4	74.0
119	32.2	24.9	37.3

Manual Integrations
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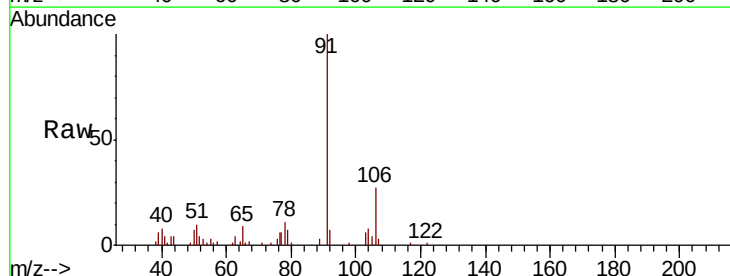


Abundance Ion 117.10 (116.80 to 117.80): V
1500000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

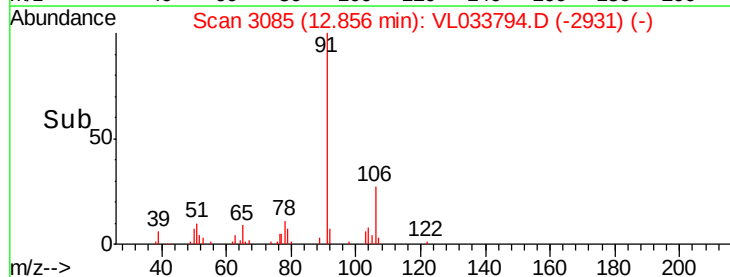
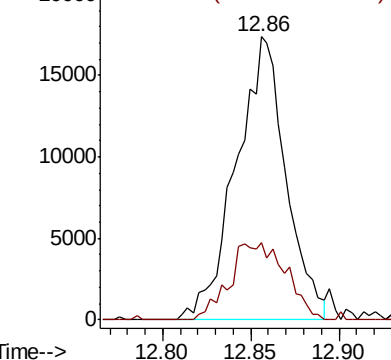


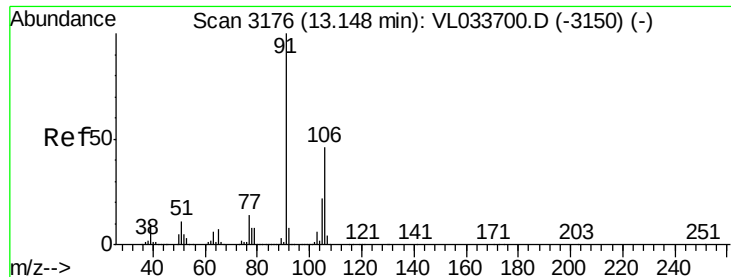
#58
Ethyl Benzene
Concen: 0.105 ppbv m
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.3	23.9	35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
20000 Ion 106.10 (105.80 to 106.80): V





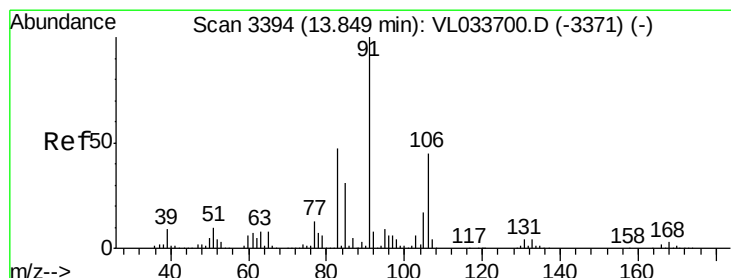
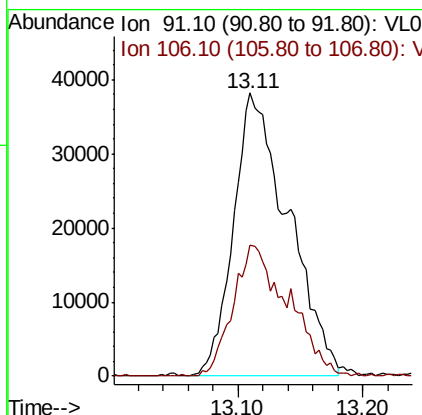
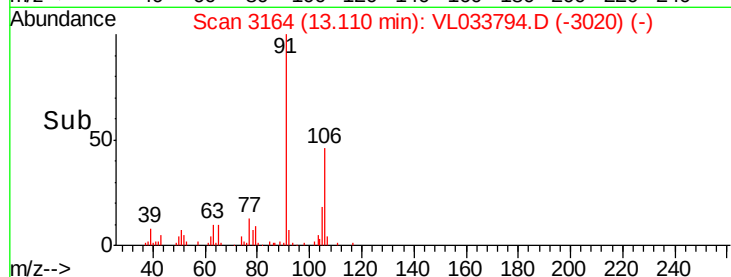
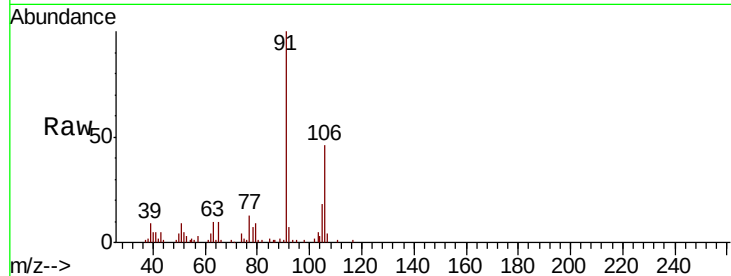
#59
m/p-Xylene
Concen: 0.410 ppbv m
RT: 13.11 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25DL

Tot Ion: 91 Resp: 116495
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.6#

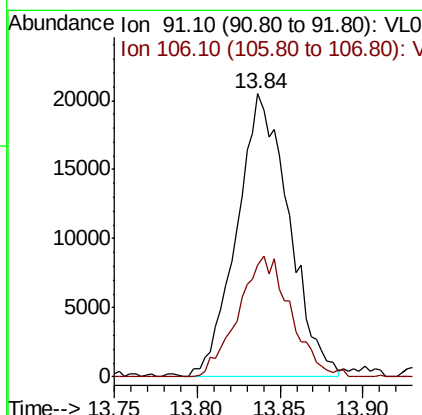
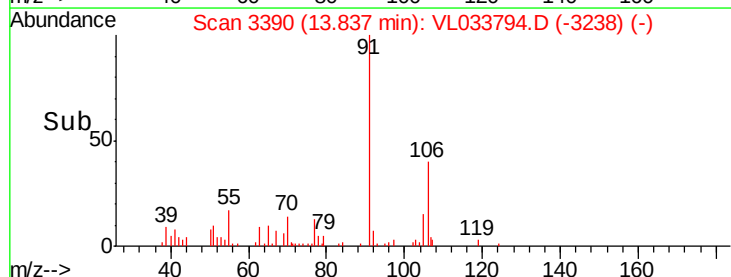
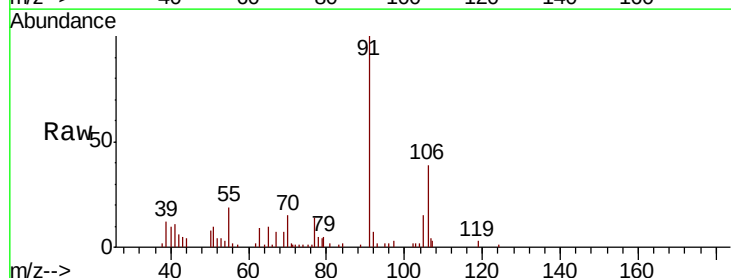
Manual Integrations
APPROVED

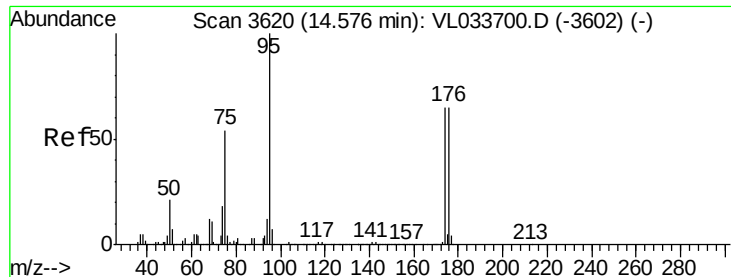
MMDadoda
5/28/2019 2:54:01 AM



#60
o-Xylene
Concen: 0.156 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033794.D
Acq: 24 May 2019 4:42

Tgt Ion: 91 Resp: 44768
Ion Ratio Lower Upper
91 100
106 42.8 21.6 64.8





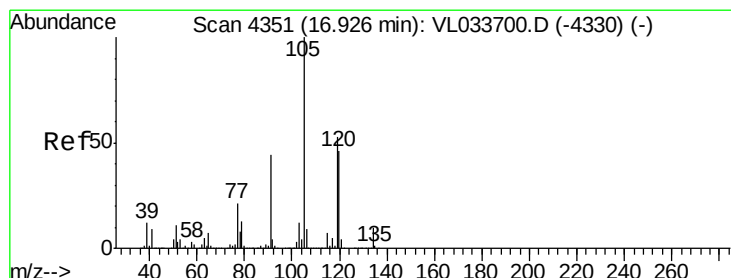
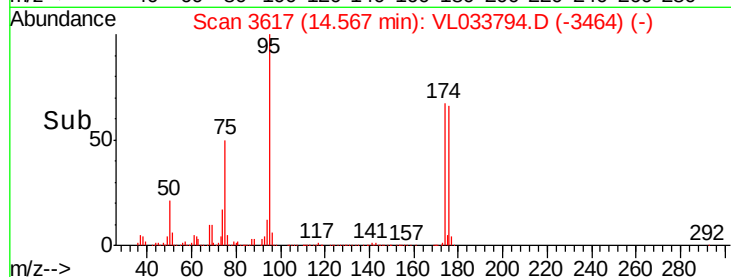
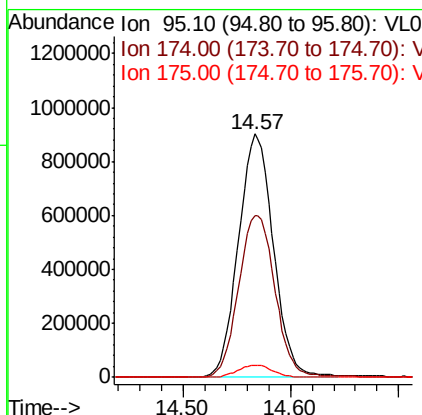
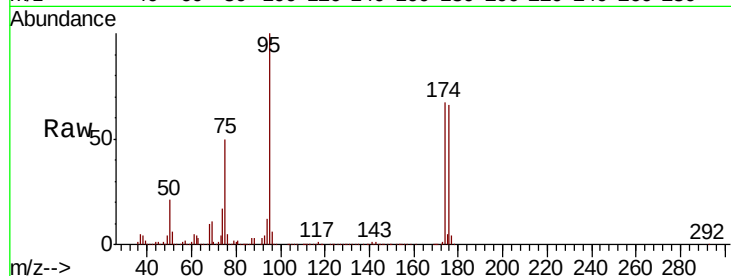
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.208 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033794.D
 Acq: 24 May 2019 4:42

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3006-25DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	70.2	53.9	80.9
175	5.1	3.8	5.8

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:54:01 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.115 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL033794.D
 Acq: 24 May 2019 4:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	36.7	36.8	55.2#
91	11.6	35.4	53.0#
77	17.1	16.8	25.2

