

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033764.D
 Acq On : 23 May 2019 3:50
 Operator : SY/AP
 Sample : K2929-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3005-25DL

Manual Integrations
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MMDadoda
 5/28/2019 2:51:27 AM

Quant Time: May 28 03:59:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 2019
 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	872301	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2110479	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2099798	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1761364	10.35	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	80253	1.888	ppbv	91
10) Heptane	8.24	43	19718	0.164	ppbv	98
13) Ethanol	3.65	45	82737	6.023	ppbv	100
15) Acetone	3.90	43	944535	7.804	ppbv	99
17) tert-Butyl alcohol	4.37	59	22142m	0.226	ppbv	
19) Isopropyl Alcohol	4.03	45	31976	0.410	ppbv #	94
20) Methylene Chloride	4.40	84	14304	0.307	ppbv #	77
26) Hexane	5.77	57	22892	0.250	ppbv #	62
27) Carbon Disulfide	4.62	76	19246	0.153	ppbv #	88
34) 2-Butanone	5.33	43	110066	0.841	ppbv	98
36) Benzene	7.00	78	26288	0.137	ppbv #	75
53) Toluene	9.94	91	454872	2.197	ppbv	100
58) Ethyl Benzene	12.85	91	70166m	0.252	ppbv	
59) m/p-Xylene	13.11	91	346212m	1.424	ppbv	
60) o-Xylene	13.84	91	99310	0.405	ppbv	100
72) 4-Ethyltoluene	15.99	105	29863	0.107	ppbv #	88
74) 1,2,4-Trimethylbenzene	16.91	105	85857m	0.289	ppbv	

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

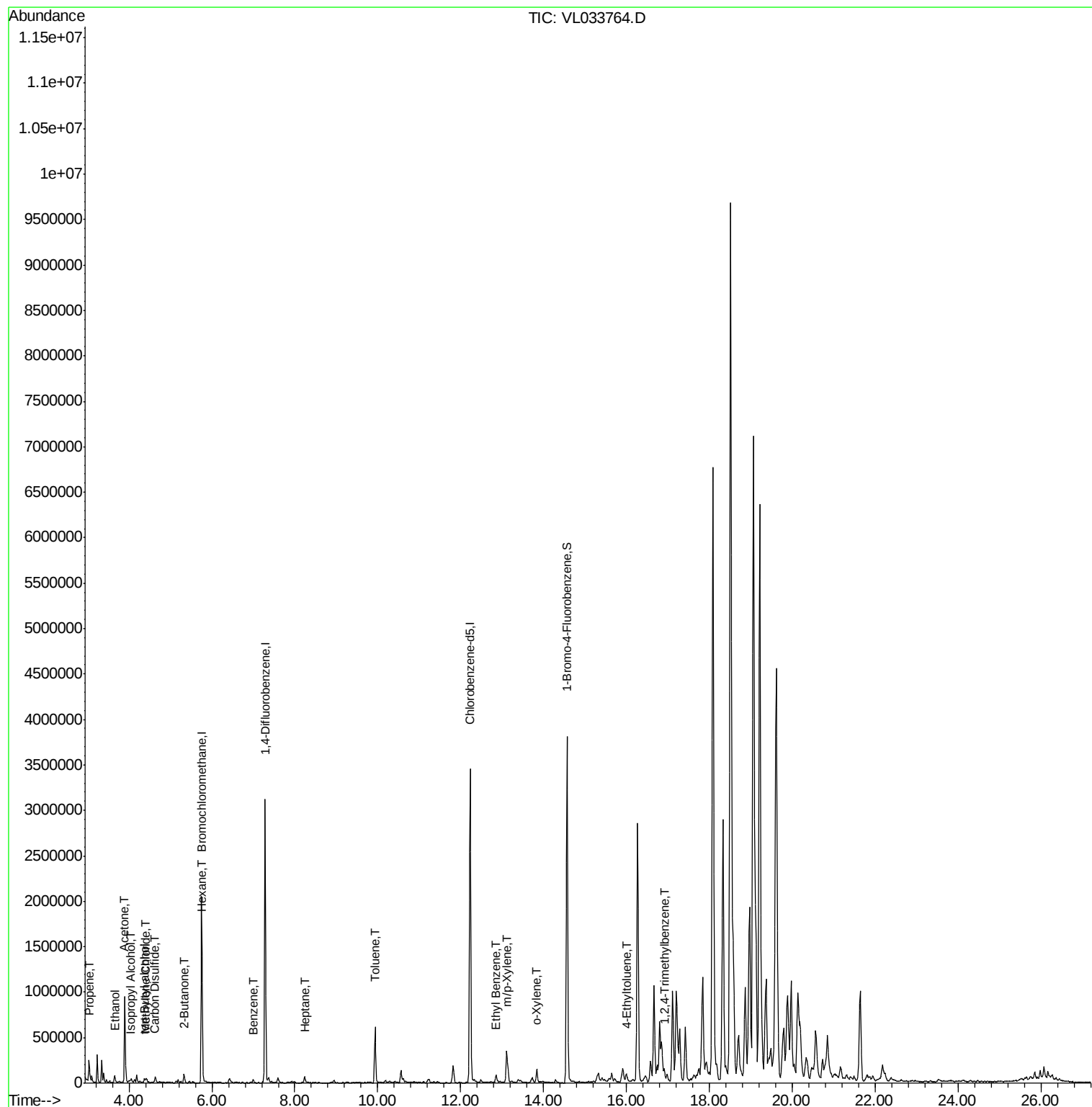
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\
Data File : VL033764.D
Acq On : 23 May 2019 3:50
Operator : SY/AP
Sample : K2929-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

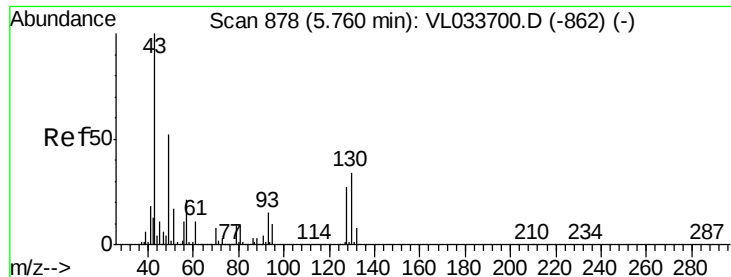
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-25DL

Manual Integrations
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5/28/2019 2:51:27 AM

Quant Time: May 28 03:59:12 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

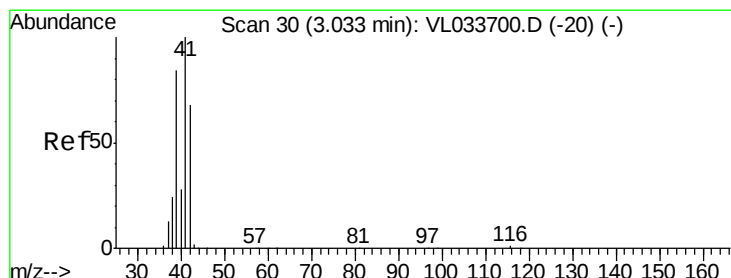
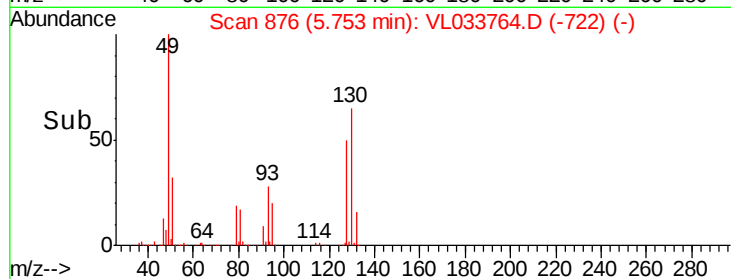
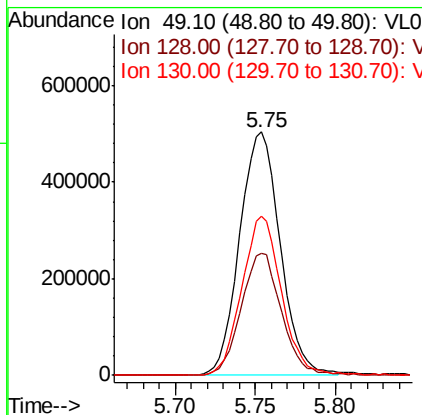
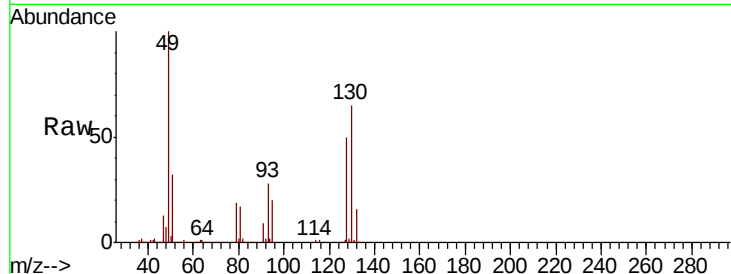
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VL033764.D
 Acq: 23 May 2019 3:50

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3005-25DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.8	25.2	75.6
130	64.5	32.5	97.5

Manual Integrations
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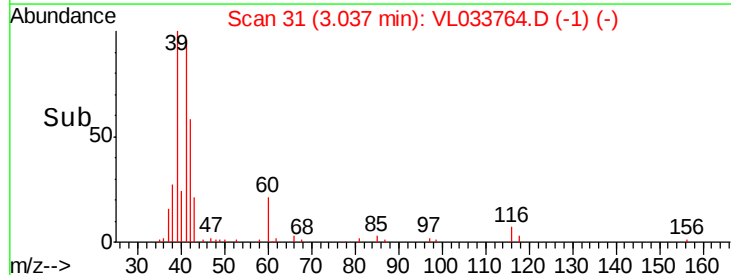
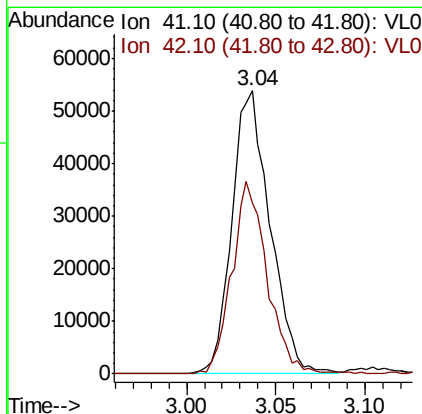
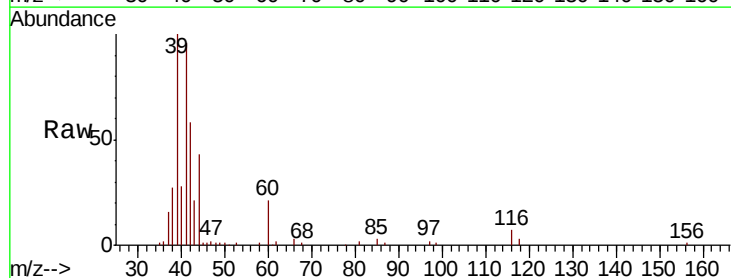
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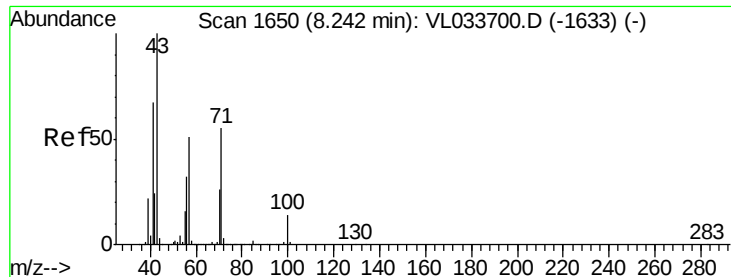


#9

Propene
 Concen: 1.888 ppbv
 RT: 3.04 min Scan# 31
 Delta R.T. 0.00 min
 Lab File: VL033764.D
 Acq: 23 May 2019 3:50

Tgt Ion	Ratio	Lower	Upper
41	100		
42	62.6	56.1	84.1





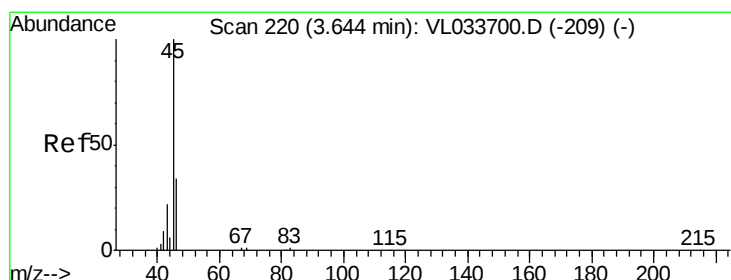
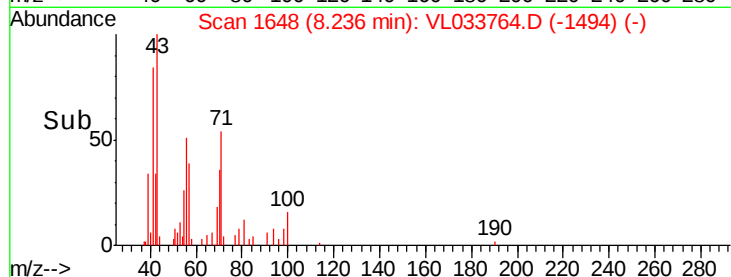
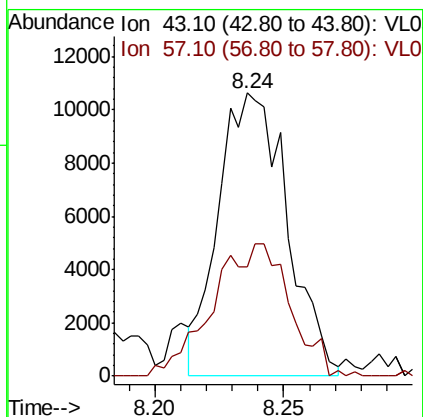
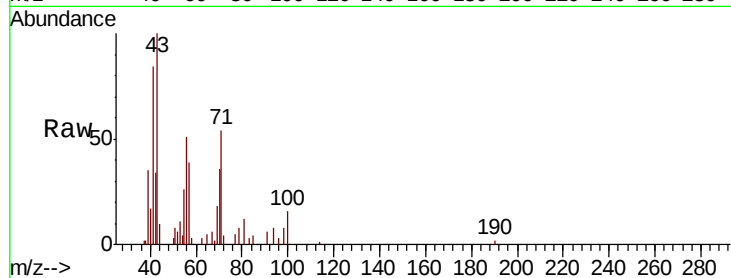
#10
Heptane
Concen: 0.164 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-25DL

Tot Ion: 43 Resp: 19718
Ion Ratio Lower Upper
43 100
57 52.9 41.4 62.0

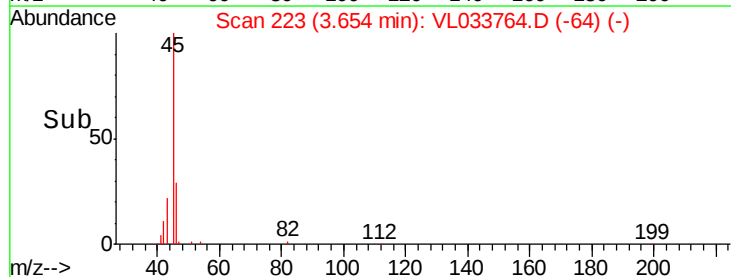
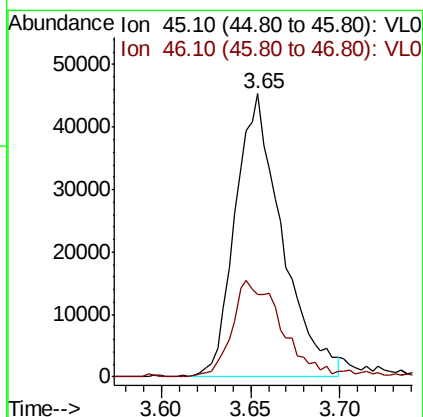
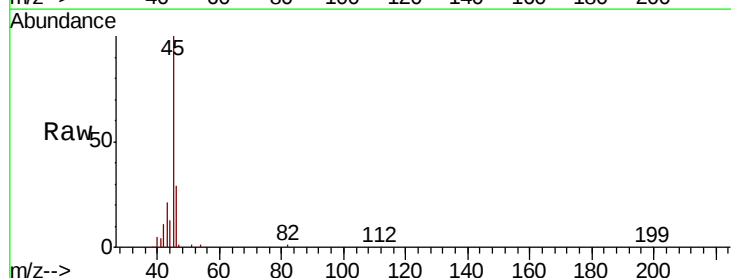
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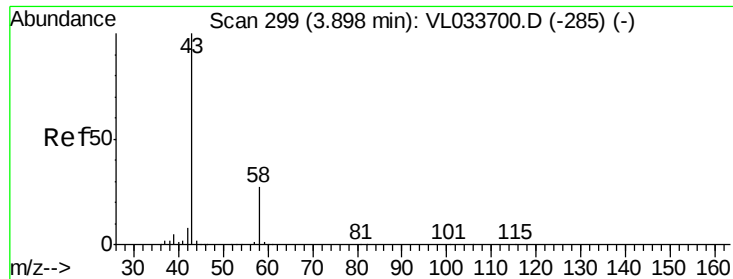
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#13
Ethanol
Concen: 6.023 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Tgt Ion: 45 Resp: 82737
Ion Ratio Lower Upper
45 100
46 37.1 14.8 59.0





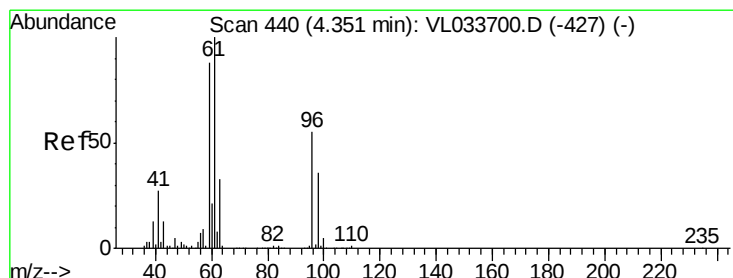
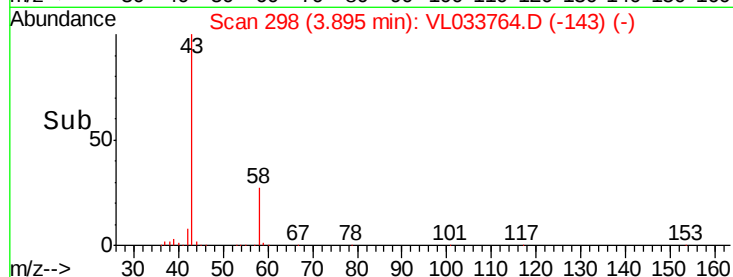
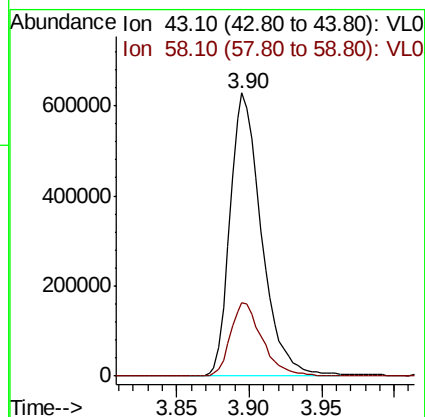
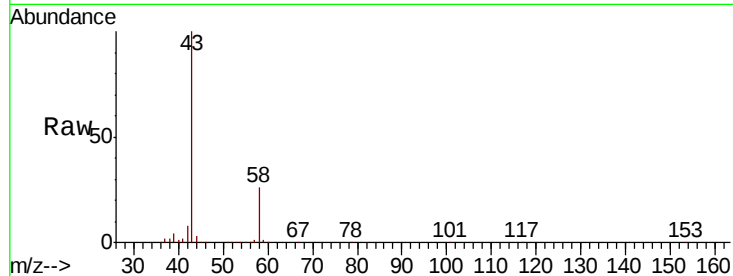
#15
Acetone
Concen: 7.804 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-25DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.1	21.3	31.9

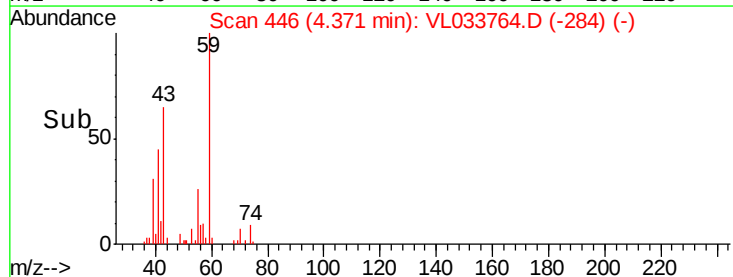
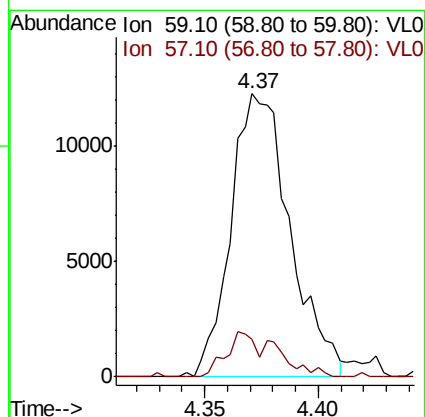
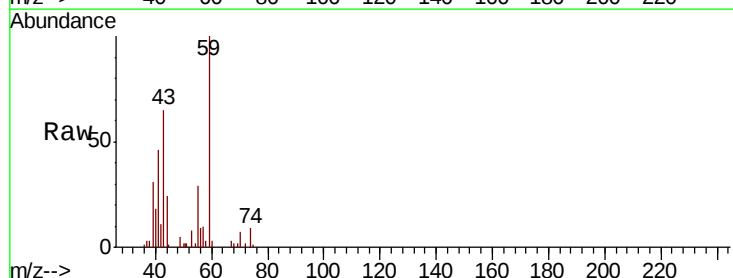
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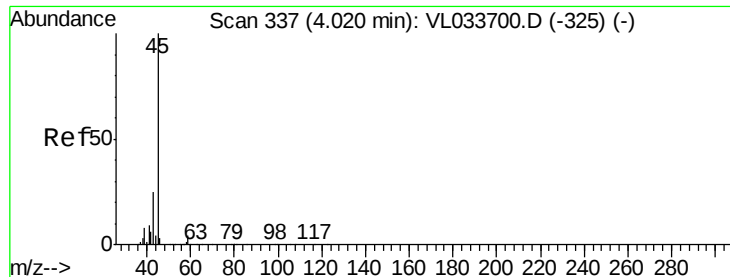
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#17
tert-Butyl alcohol
Concen: 0.226 ppbv m
RT: 4.37 min Scan# 446
Delta R.T. 0.02 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Tgt Ion	Ratio	Lower	Upper
59	100		
57	13.6	8.4	12.6#





#19

Isopropyl Alcohol

Concen: 0.410 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033764.D

Acq: 23 May 2019 3:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-25DL

Tot Ion: 45 Resp: 31976

Ion Ratio Lower Upper

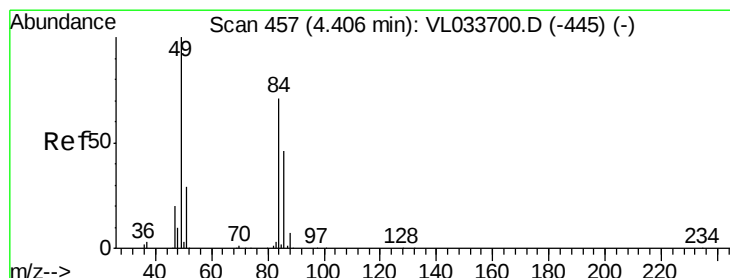
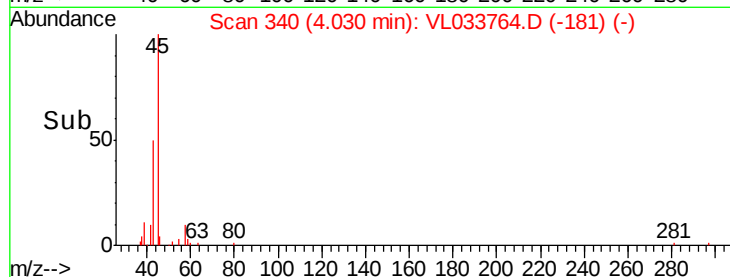
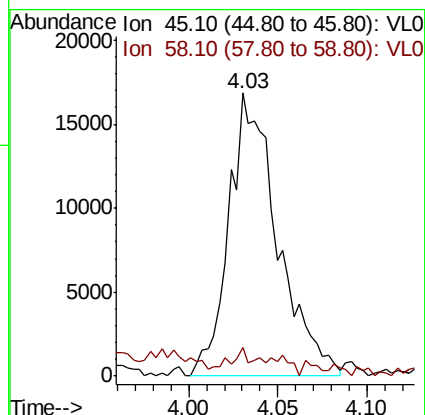
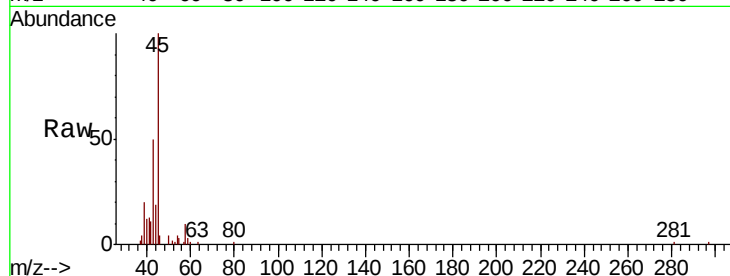
45 100

58 0.0 1.6 2.4#

Manual Integrations
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#20

Methylene Chloride

Concen: 0.307 ppbv

RT: 4.40 min Scan# 455

Delta R.T. -0.01 min

Lab File: VL033764.D

Acq: 23 May 2019 3:50

Tgt Ion: 84 Resp: 14304

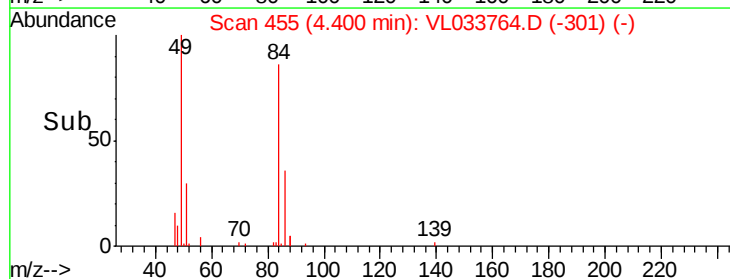
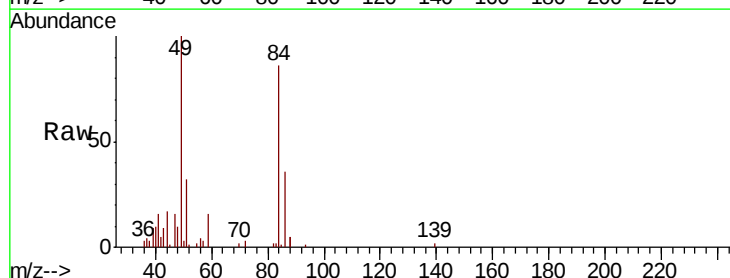
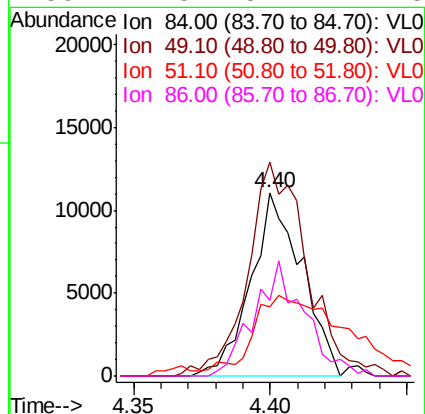
Ion Ratio Lower Upper

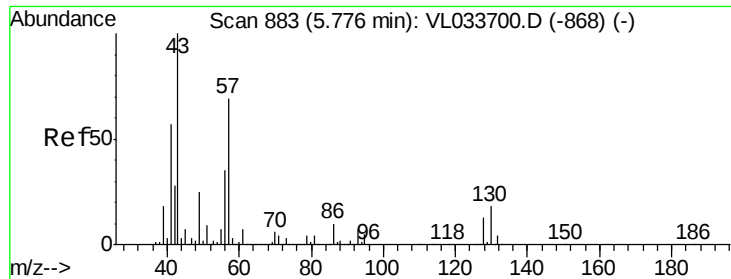
84 100

49 111.0 112.8 169.2#

51 34.8 33.4 50.0

86 41.5 51.7 77.5#





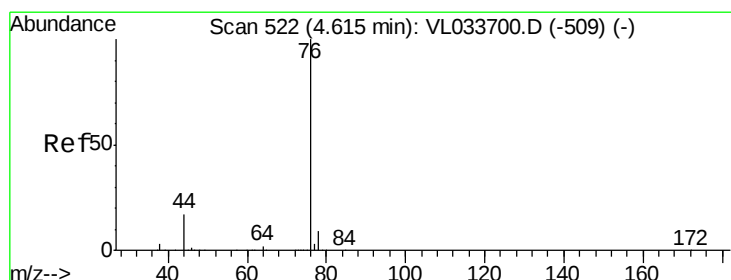
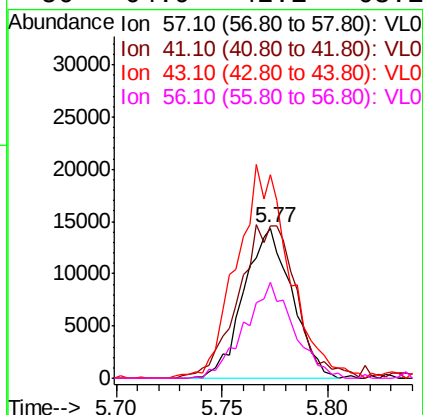
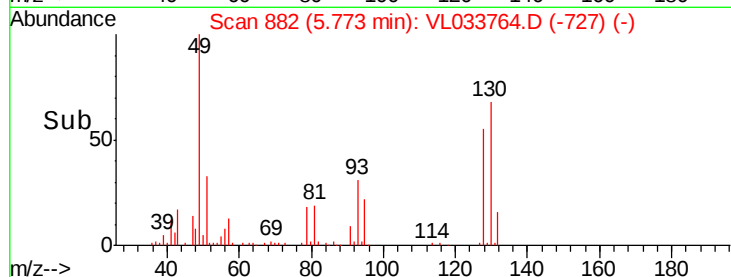
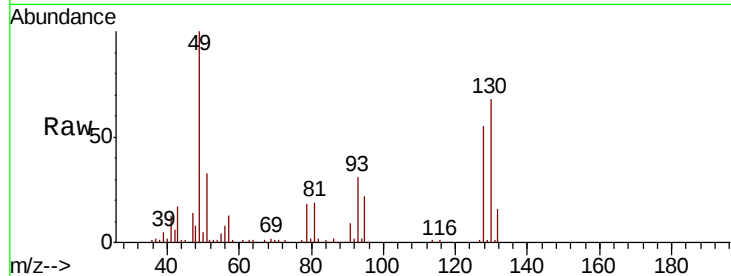
#26
Hexane
Concen: 0.250 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-25DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	125.2	69.8	104.6#
43	158.4	181.8	272.6#
56	64.9	42.1	63.1#

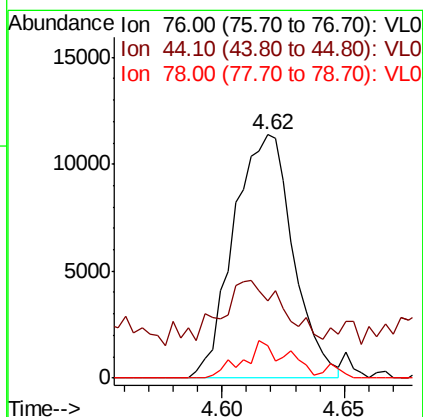
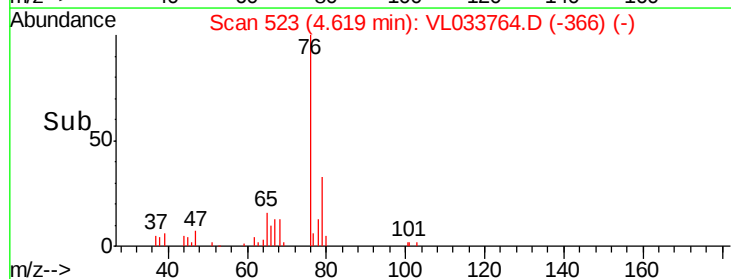
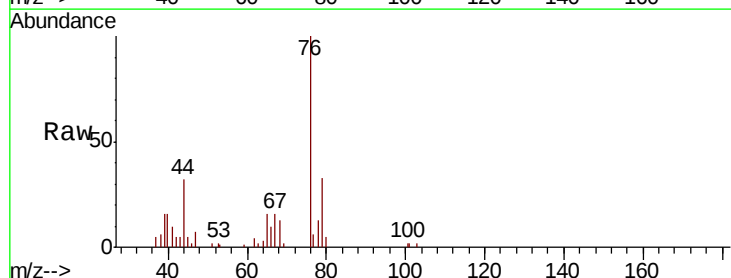
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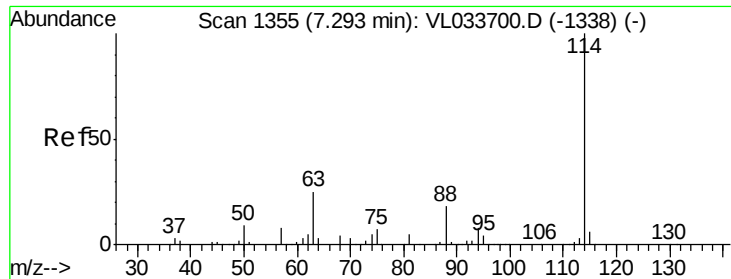
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#27
Carbon Disulfide
Concen: 0.153 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Tgt Ion	Ratio	Lower	Upper
76	100		
44	23.1	13.8	20.8#
78	13.0	7.4	11.0#





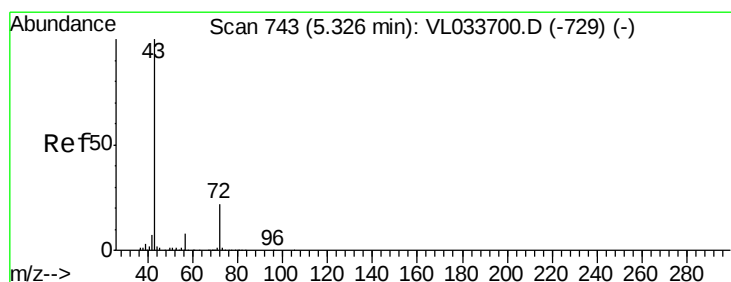
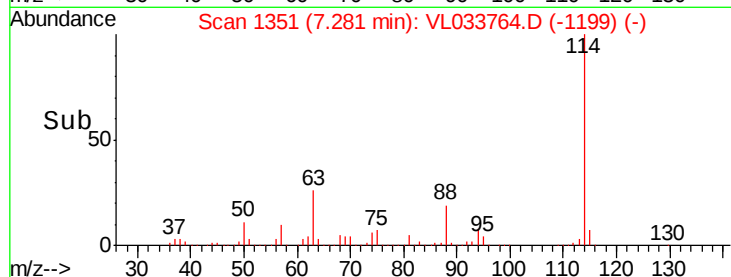
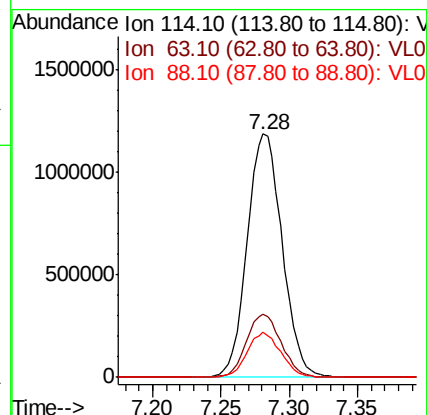
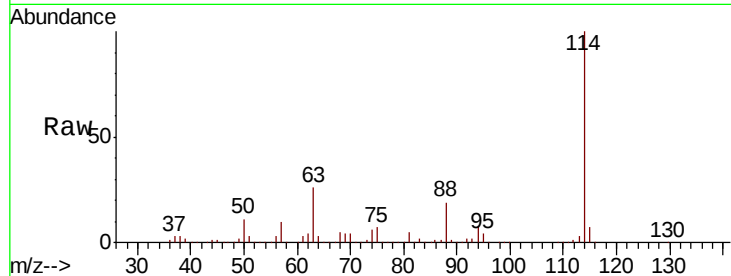
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033764.D
 Acq: 23 May 2019 3:50

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3005-25DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	17.8	14.3	21.5

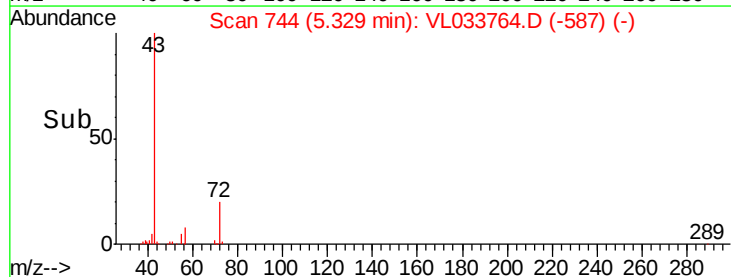
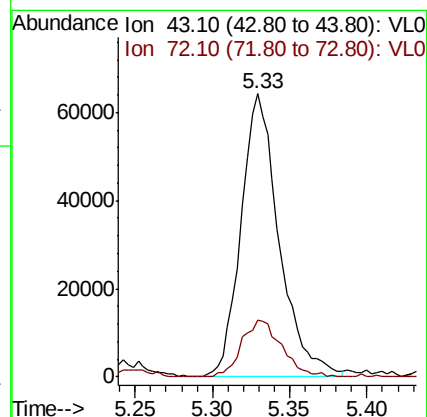
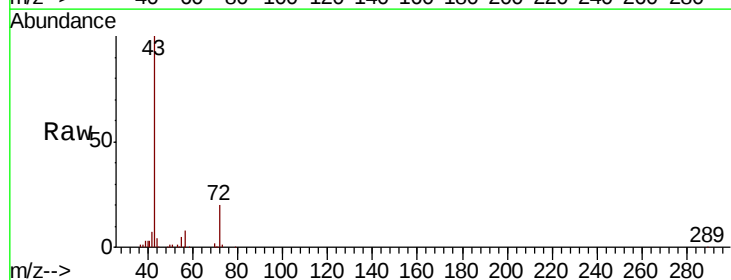
Manual Integrations
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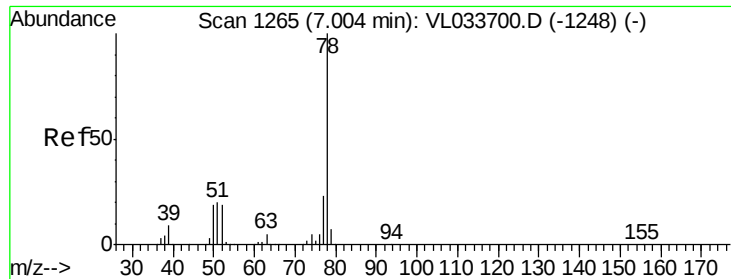
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 5/28/2019 2:51:27 AM



#34
 2-Butanone
 Concen: 0.841 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033764.D
 Acq: 23 May 2019 3:50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.1	17.8	26.6





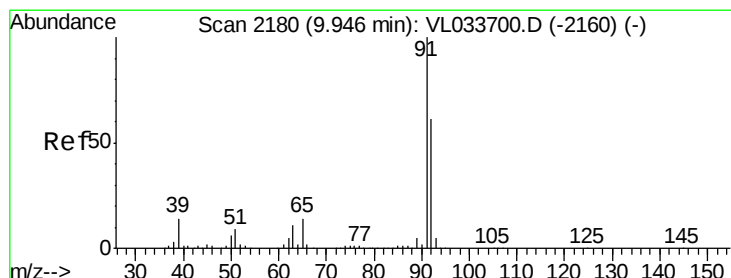
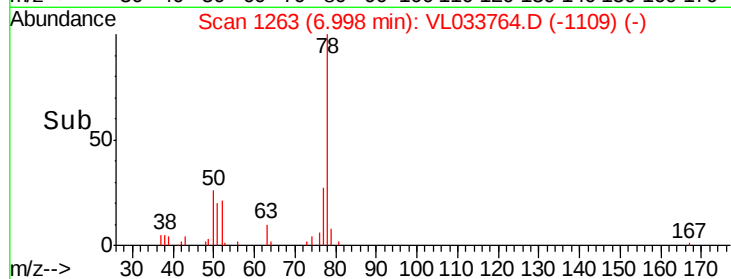
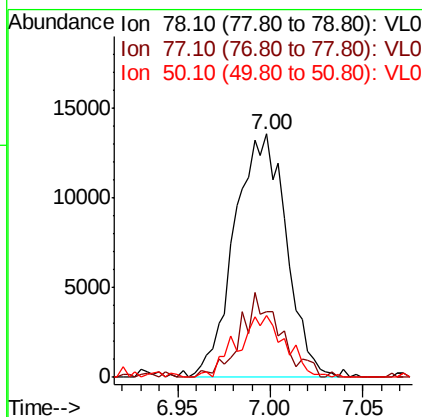
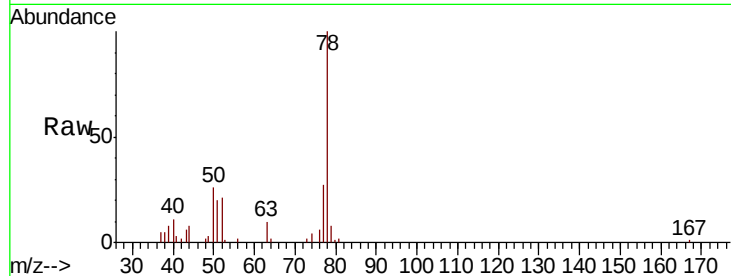
#36
Benzene
Concen: 0.137 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-25DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.4	27.6
50	42.0	15.5	23.3

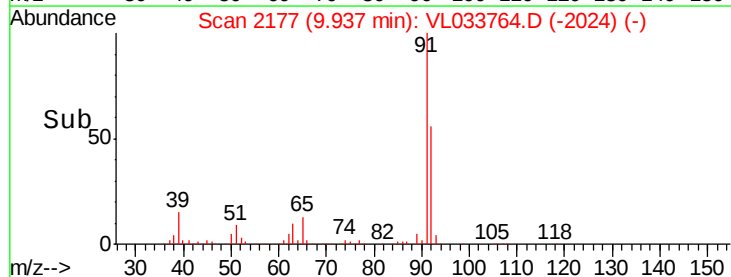
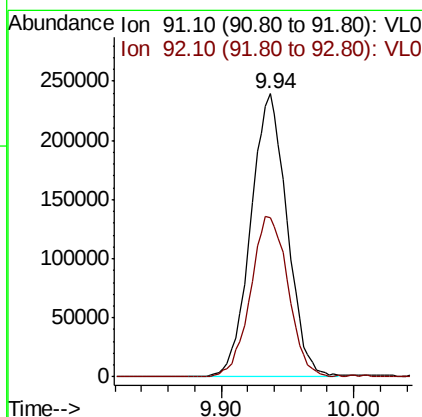
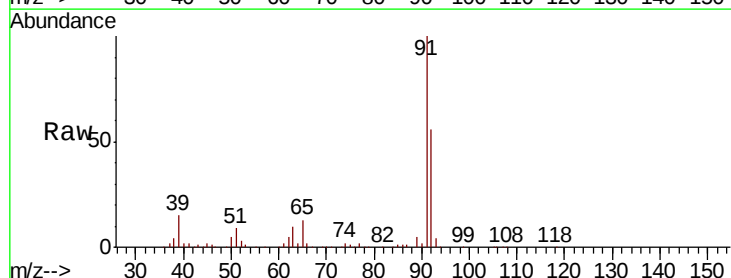
Manual Integrations
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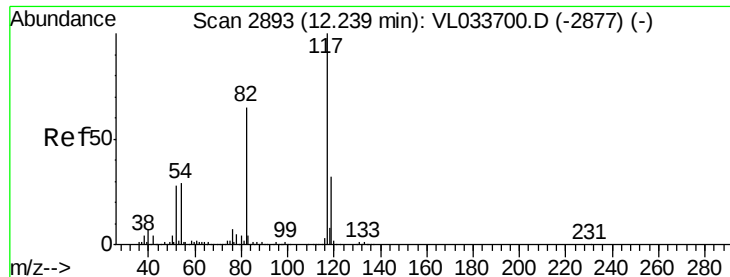
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5/28/2019 2:51:27 AM



#53
Toluene
Concen: 2.197 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.6	71.4





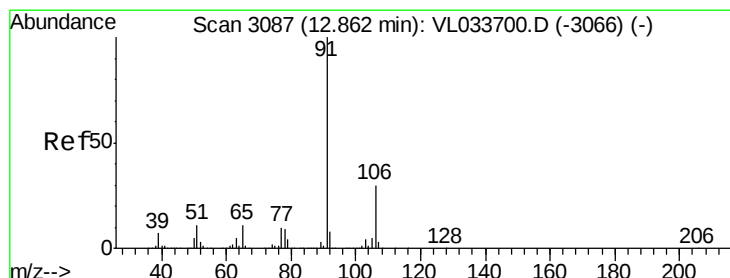
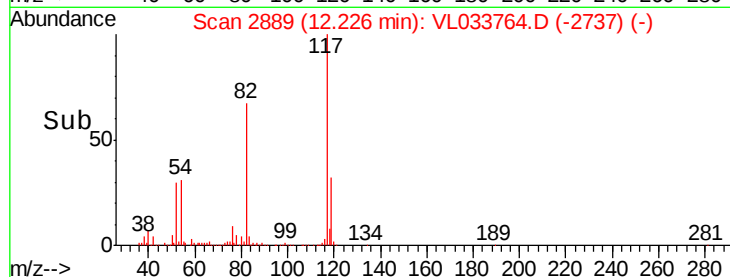
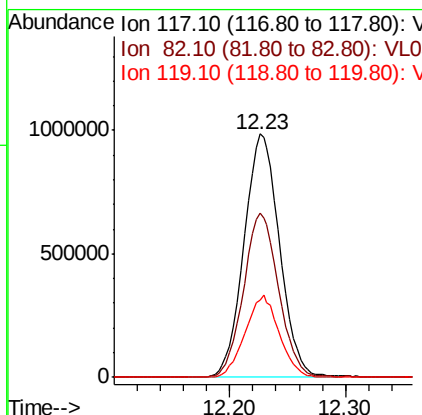
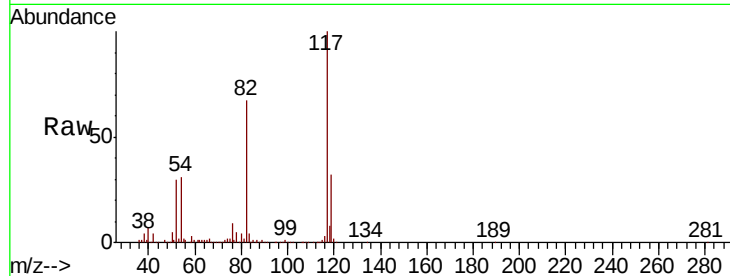
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-25DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.4	49.4	74.0
119	32.6	24.9	37.3

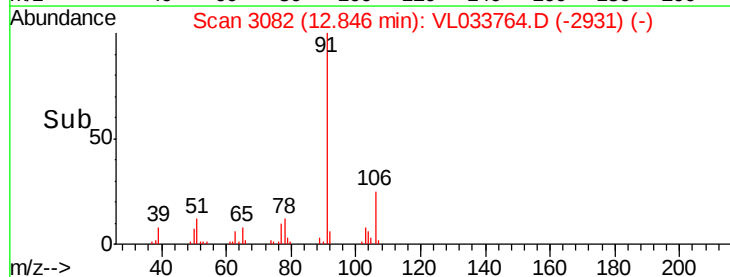
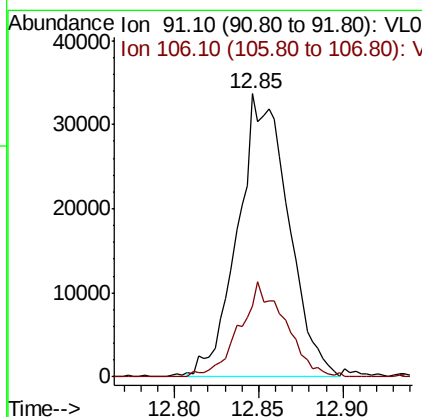
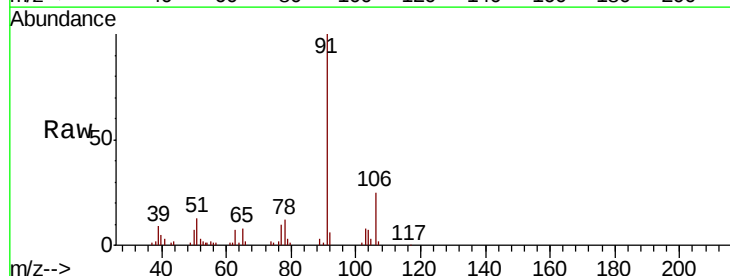
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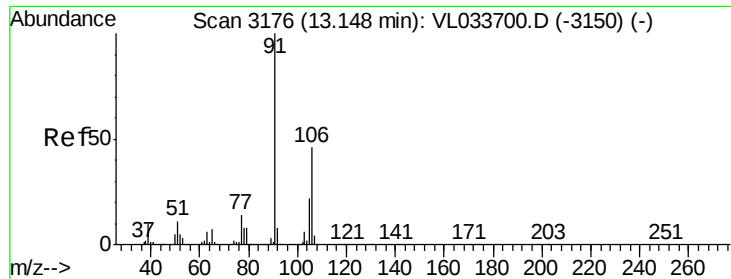
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#58
Ethyl Benzene
Concen: 0.252 ppbv m
RT: 12.85 min Scan# 3082
Delta R.T. -0.02 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.1	23.9	35.9





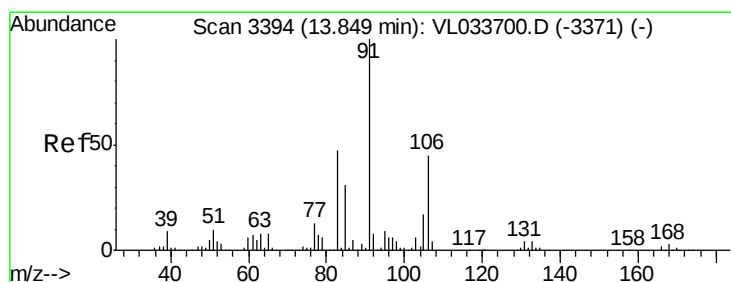
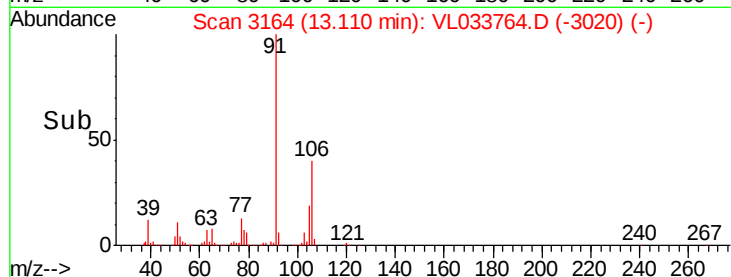
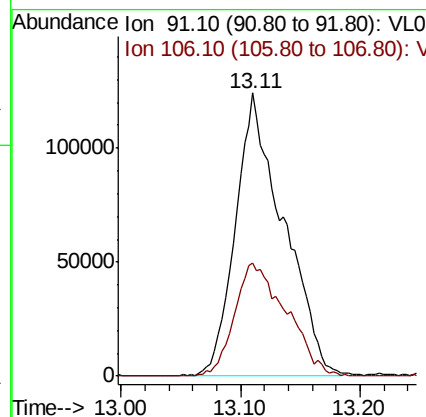
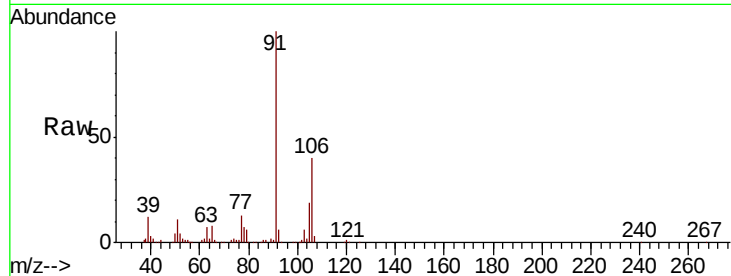
#59
m/p-Xylene
Concen: 1.424 ppbv m
RT: 13.11 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-25DL

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

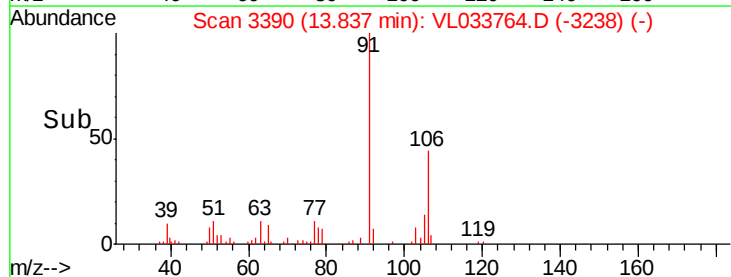
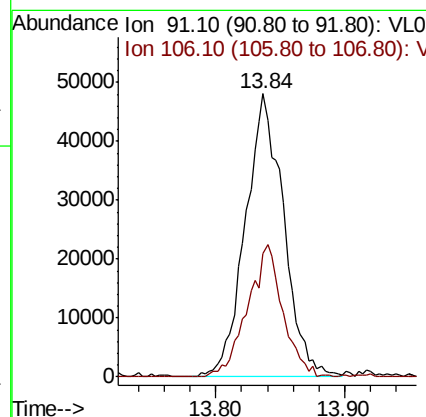
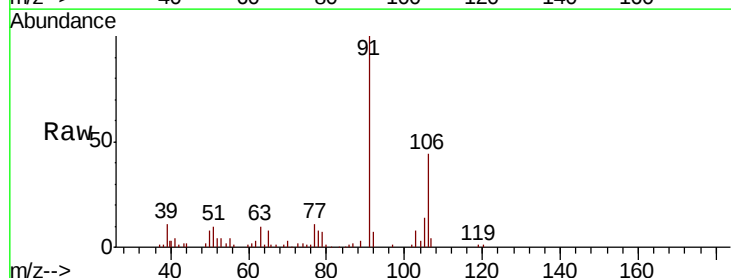
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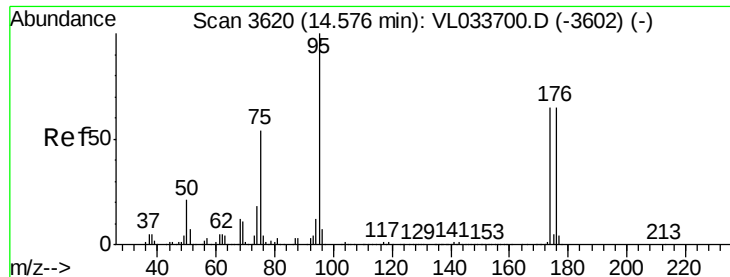
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#60
o-Xylene
Concen: 0.405 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033764.D
Acq: 23 May 2019 3:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.6	64.8





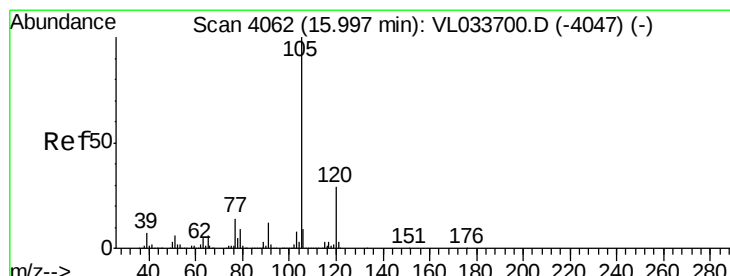
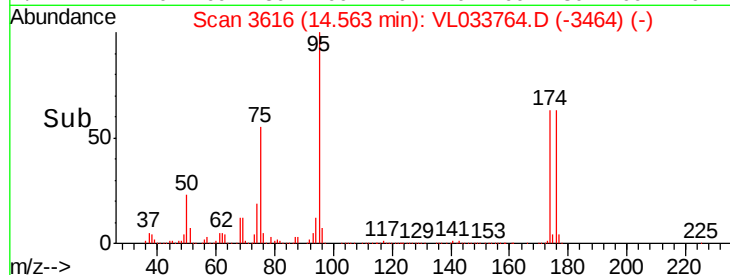
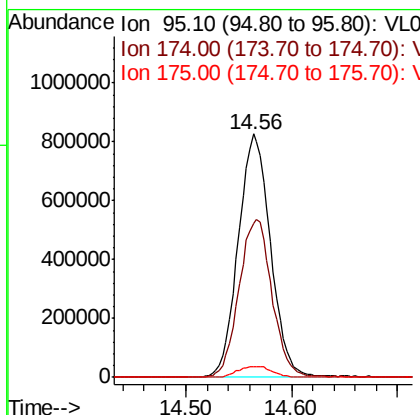
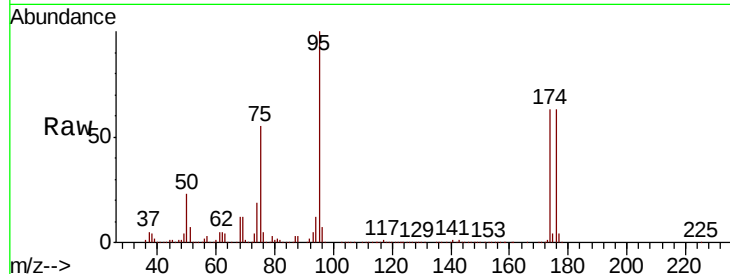
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.347 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033764.D
 Acq: 23 May 2019 3:50

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3005-25DL

Tot Ion: 95 Resp: 1761364
 Ion Ratio Lower Upper
 95 100
 174 66.4 53.9 80.9
 175 4.7 3.8 5.8

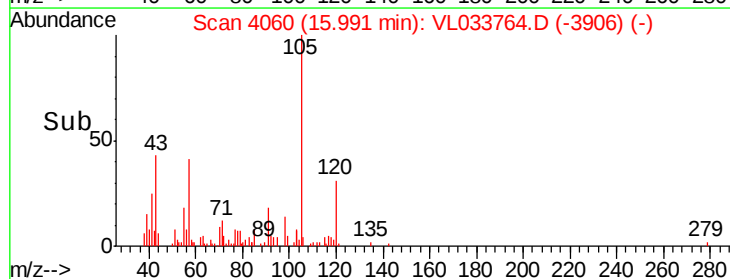
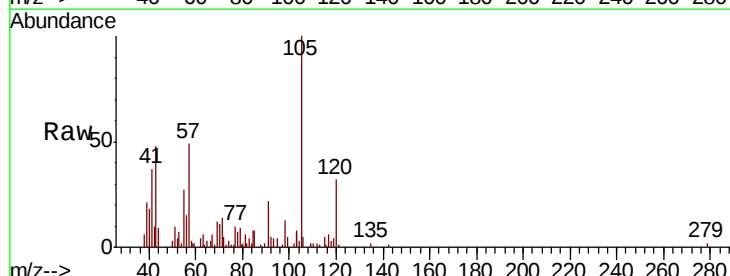
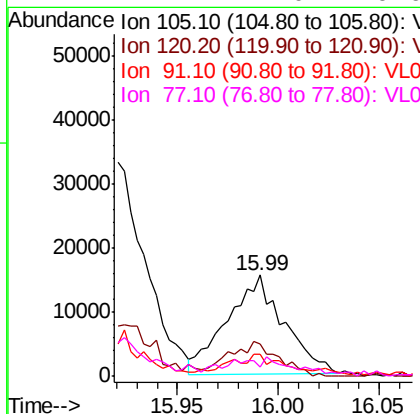
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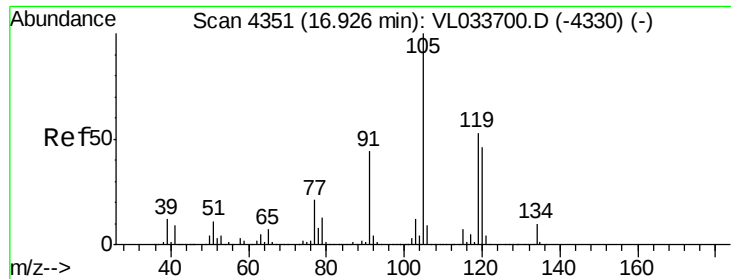
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#72
 4-Ethyltoluene
 Concen: 0.107 ppbv
 RT: 15.99 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL033764.D
 Acq: 23 May 2019 3:50

Tgt Ion: 105 Resp: 29863
 Ion Ratio Lower Upper
 105 100
 120 33.2 23.1 34.7
 91 16.7 10.4 15.6#
 77 22.2 11.0 16.6#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.289 ppbv m
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.02 min
 Lab File: VL033764.D
 Acq: 23 May 2019 3:50

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3005-25DL

Tot Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	41.4	36.8	55.2
91	17.7	35.4	53.0#
77	12.1	16.8	25.2#

Manual Integrations
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