

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033785.D
 Acq On : 23 May 2019 22:43
 Operator : SY/AP
 Sample : K2929-18DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55DL

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 5/28/2019 2:53:44 AM

Quant Time: May 24 07:02:14 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	1105399	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2847177	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2810906	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2233100	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	222291	4.127	ppbv	94
10) Heptane	8.25	43	15658m	0.103	ppbv	
13) Ethanol	3.66	45	23854	1.370	ppbv	96
15) Acetone	3.89	43	2404925	15.681	ppbv	95
17) tert-Butyl alcohol	4.38	59	30410	0.245	ppbv	96
20) Methylene Chloride	4.41	84	9457	0.160	ppbv	97
26) Hexane	5.78	57	21604m	0.187	ppbv	
27) Carbon Disulfide	4.62	76	16917	0.106	ppbv #	78
34) 2-Butanone	5.33	43	181916	1.031	ppbv	98
53) Toluene	9.93	91	166411m	0.596	ppbv	
58) Ethyl Benzene	12.85	91	38648	0.104	ppbv	98
59) m/p-Xylene	13.11	91	137855m	0.424	ppbv	
60) o-Xylene	13.84	91	48899	0.149	ppbv	97
72) 4-Ethyltoluene	15.99	105	16411	0.044	ppbv #	89
73) 1,3,5-Trimethylbenzene	16.15	105	4137	0.011	ppbv	94
74) 1,2,4-Trimethylbenzene	16.91	105	19800	0.050	ppbv #	68

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

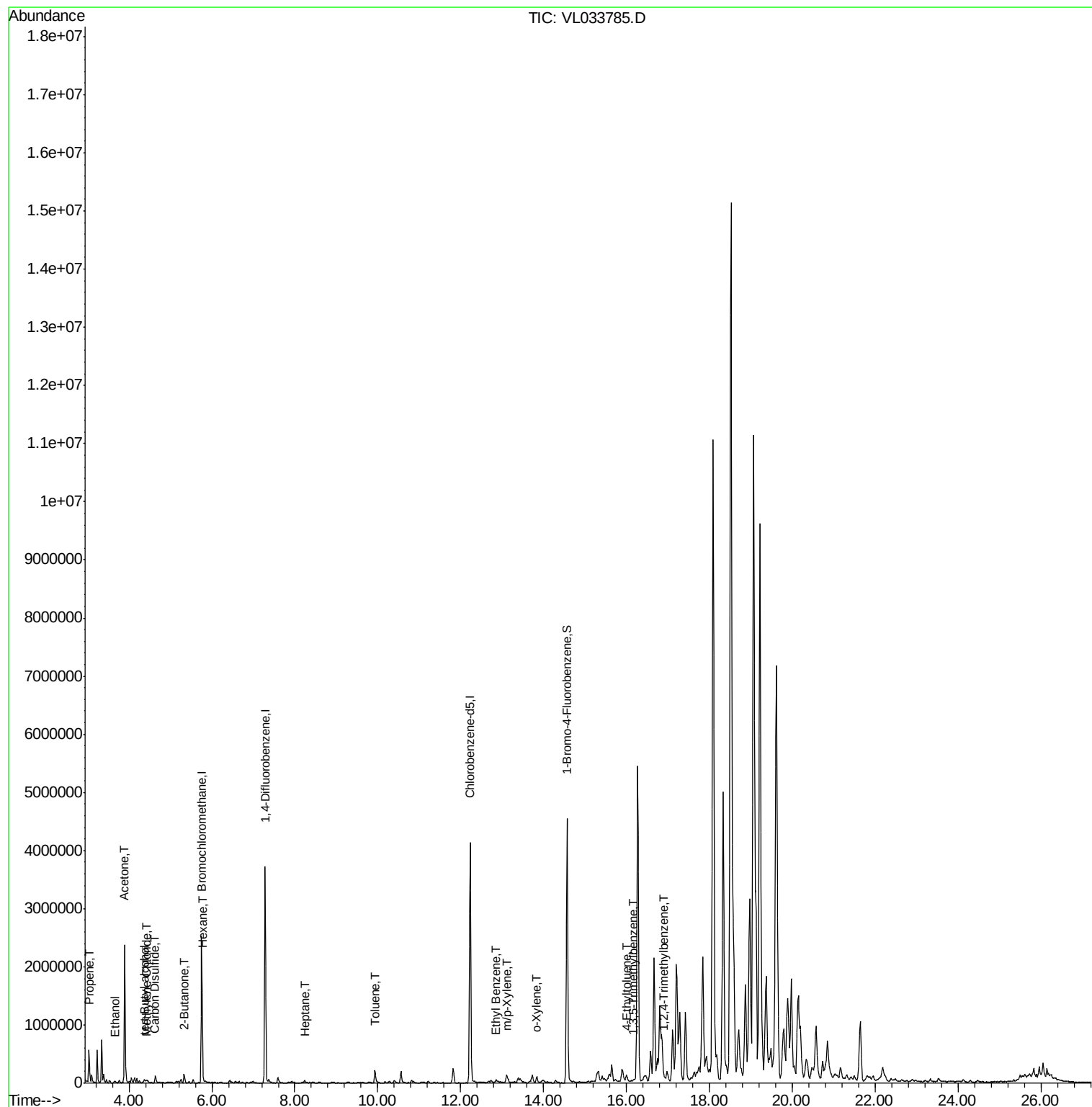
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052319\
Data File : VL033785.D
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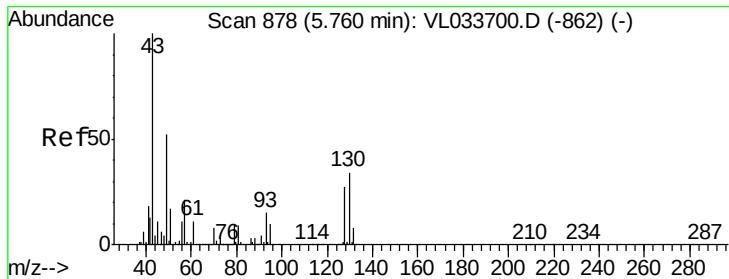
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55DL

Manual Integrations
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Quant Time: May 24 07:02:14 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





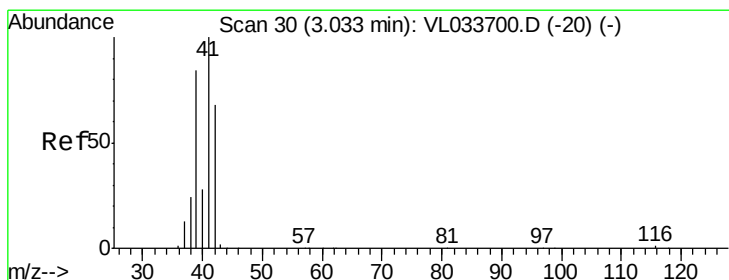
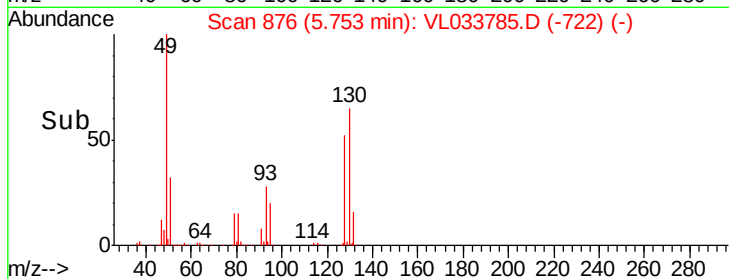
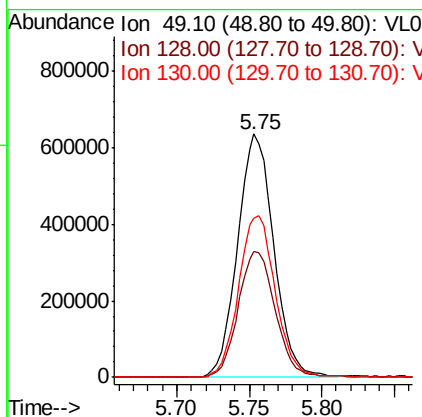
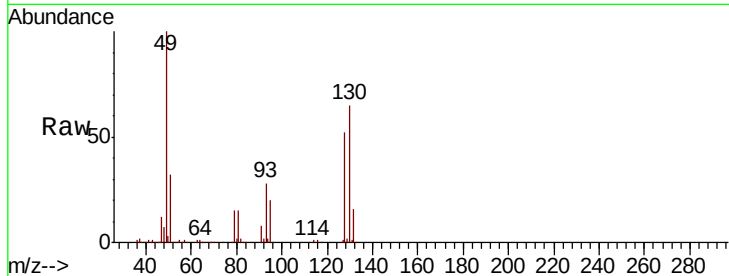
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VL033785.D
 Acq: 23 May 2019 22:43

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55DL

Tot Ion: 49 Resp: 1105399
 Ion Ratio Lower Upper
 49 100
 128 53.2 25.2 75.6
 130 68.4 32.5 97.5

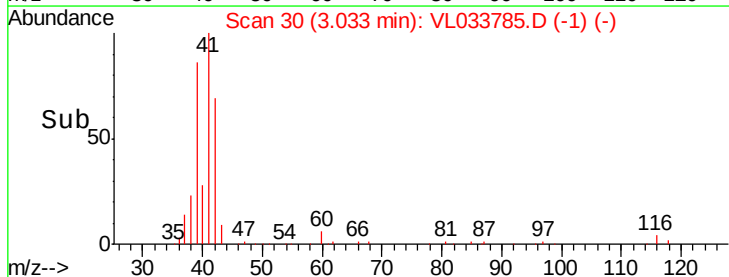
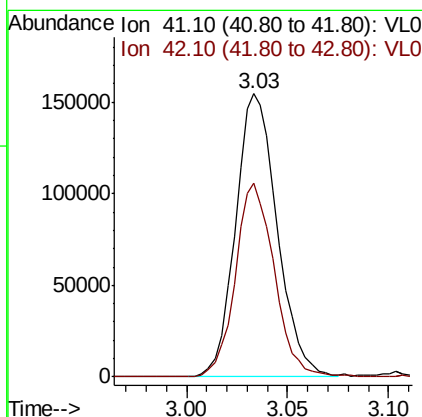
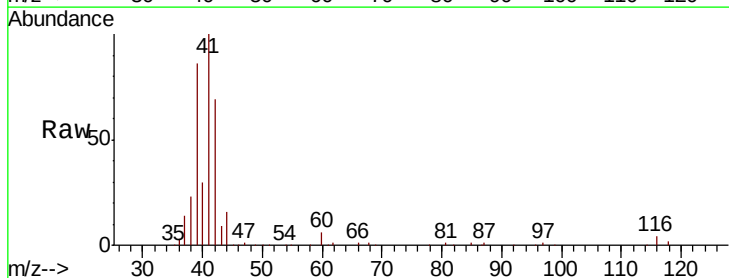
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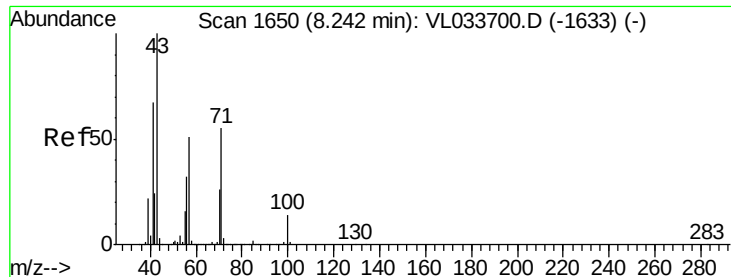
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#9
 Propene
 Concen: 4.127 ppbv
 RT: 3.03 min Scan# 30
 Delta R.T. 0.00 min
 Lab File: VL033785.D
 Acq: 23 May 2019 22:43

Tgt Ion: 41 Resp: 222291
 Ion Ratio Lower Upper
 41 100
 42 65.0 56.1 84.1





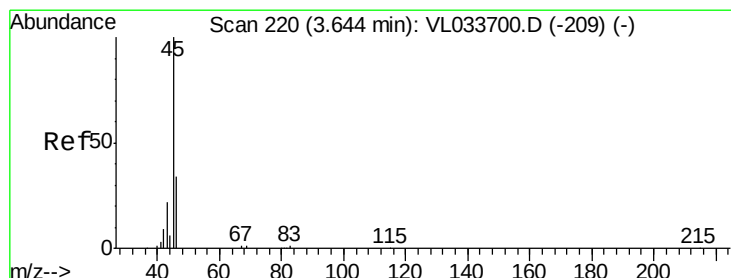
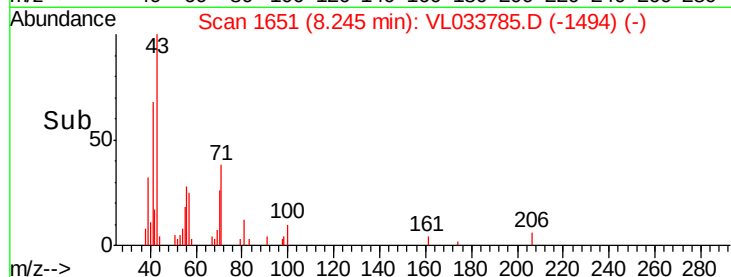
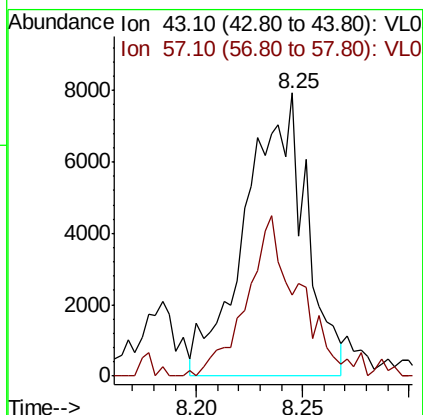
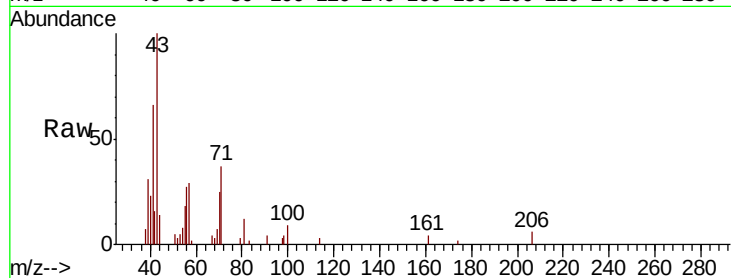
#10
 Heptane
 Concen: 0.103 ppbv m
 RT: 8.25 min Scan# 1651
 Delta R.T. 0.00 min
 Lab File: VL033785.D
 Acq: 23 May 2019 22:43

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55DL

Tot Ion: 43 Resp: 15658
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.4 62.0#

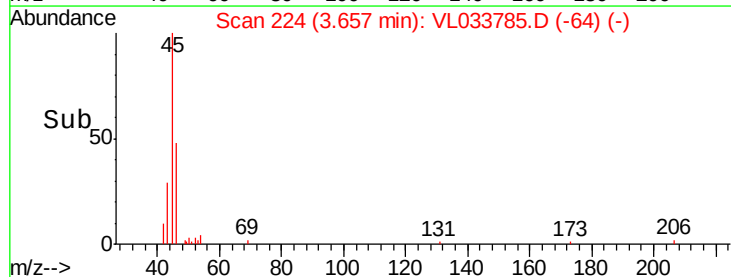
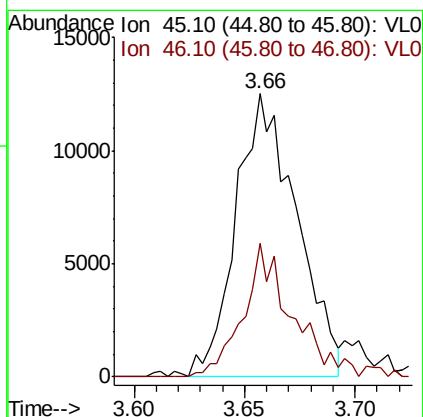
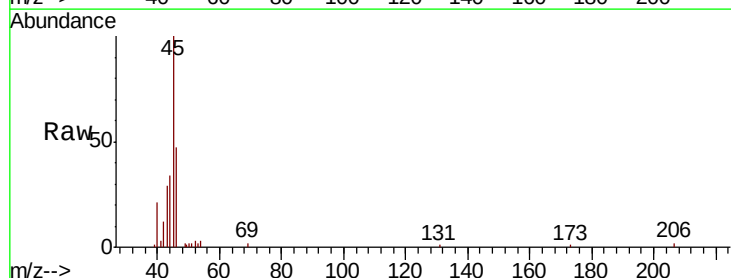
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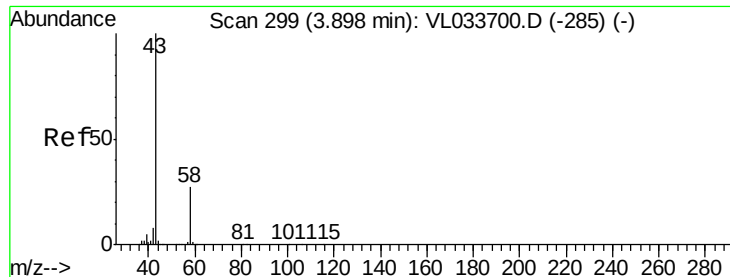
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#13
 Ethanol
 Concen: 1.370 ppbv
 RT: 3.66 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VL033785.D
 Acq: 23 May 2019 22:43

Tgt Ion: 45 Resp: 23854
 Ion Ratio Lower Upper
 45 100
 46 39.1 14.8 59.0





#15

Acetone

Concen: 15.681 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033785.D

Acq: 23 May 2019 22:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3008-55DL

Tot Ion: 43 Resp: 2404925

Ion Ratio Lower Upper

43 100

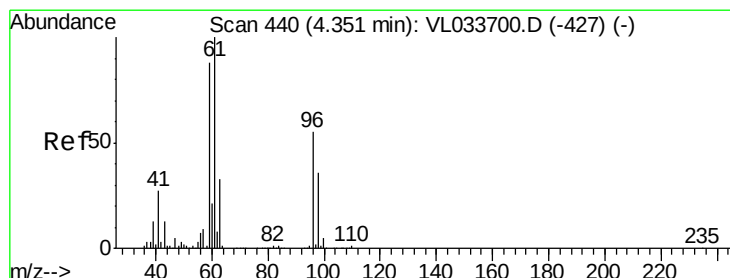
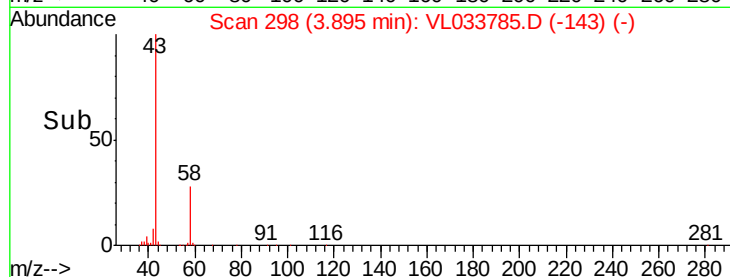
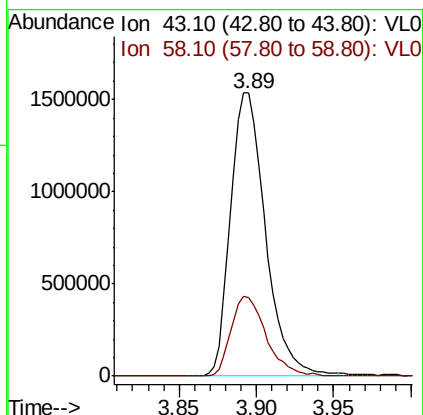
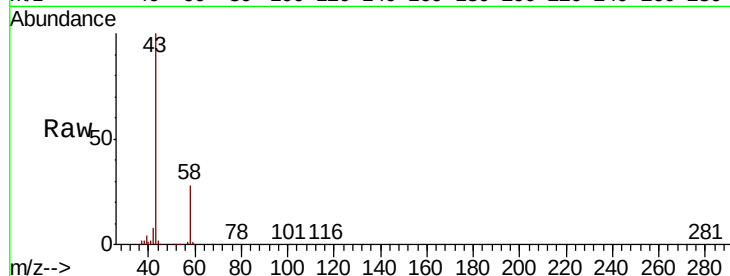
58 29.0 21.3 31.9

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#17

tert-Butyl alcohol

Concen: 0.245 ppbv

RT: 4.38 min Scan# 448

Delta R.T. 0.03 min

Lab File: VL033785.D

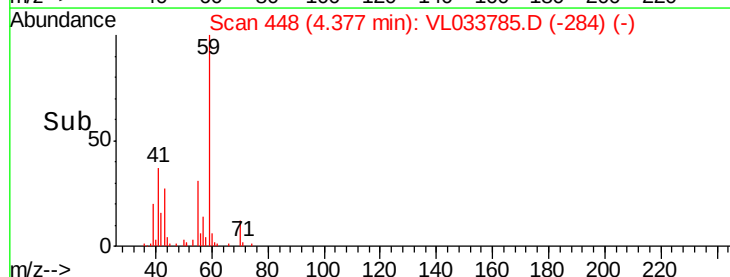
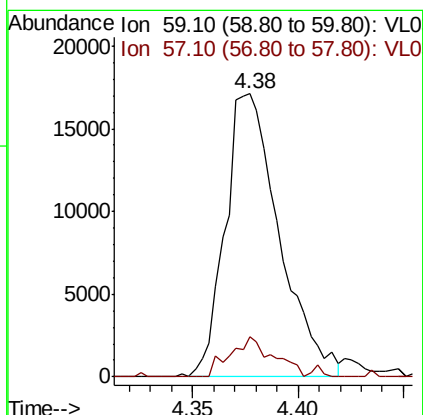
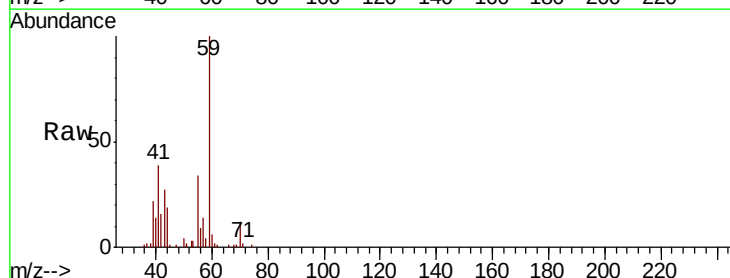
Acq: 23 May 2019 22:43

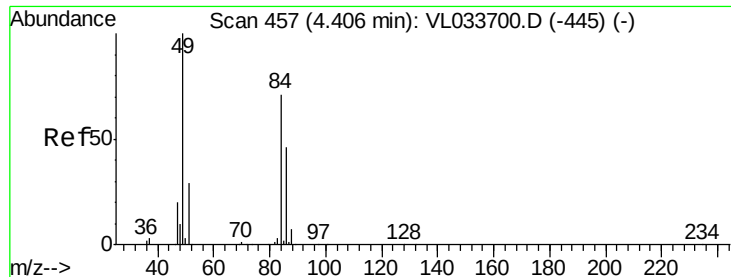
Tgt Ion: 59 Resp: 30410

Ion Ratio Lower Upper

59 100

57 11.9 8.4 12.6





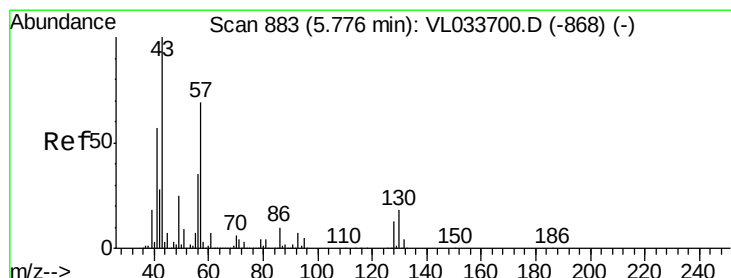
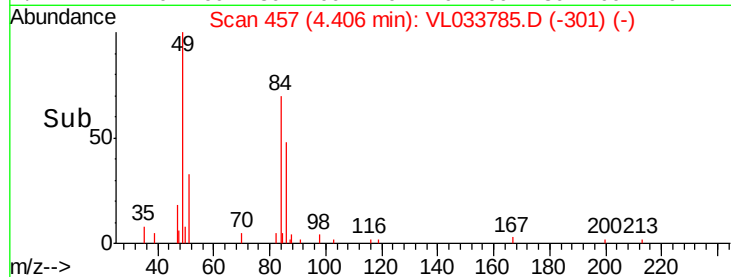
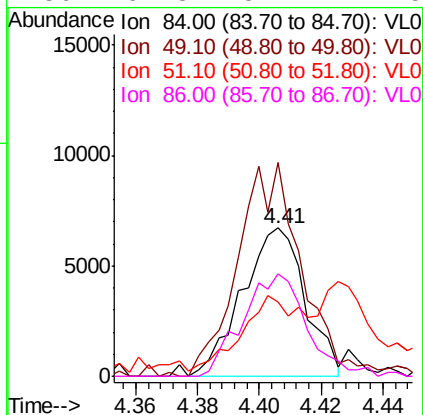
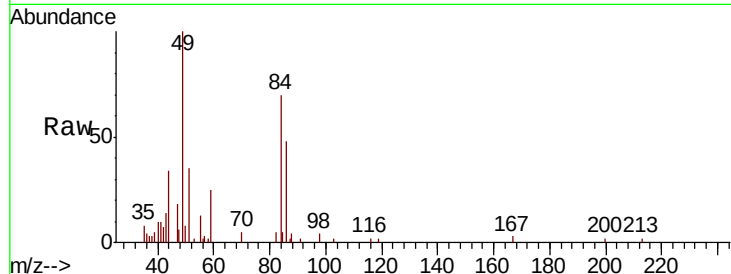
#20
Methvlene Chloride
Concen: 0.160 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033785.D
Acq: 23 May 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55DL

Tot Ion	Ratio	Lower	Upper
84	100		
49	134.9	112.8	169.2
51	43.5	33.4	50.0
86	64.3	51.7	77.5

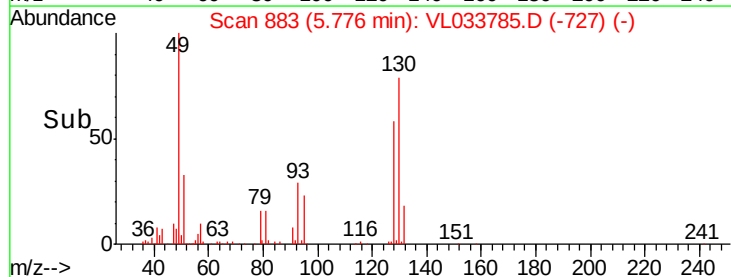
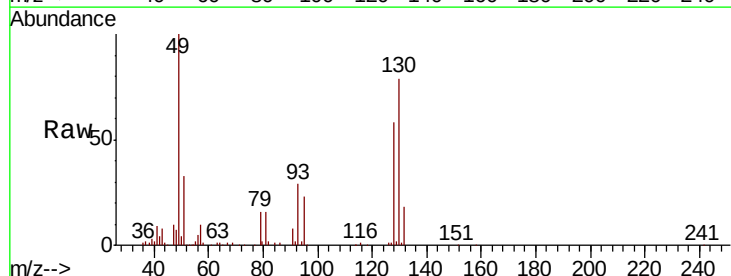
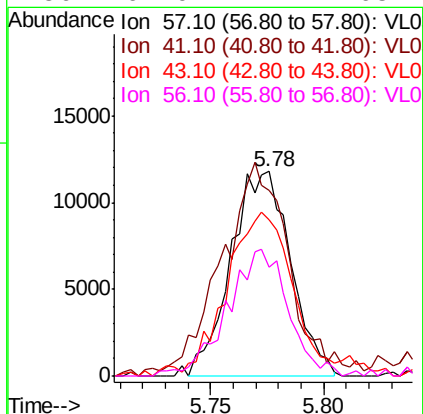
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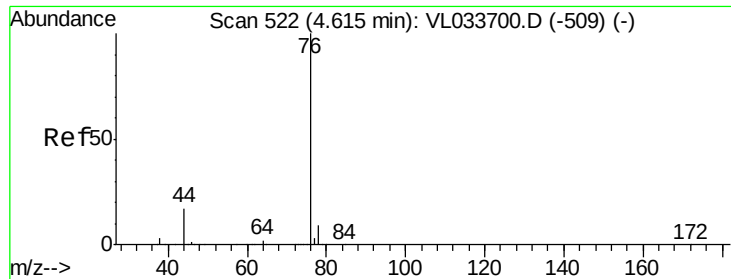
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#26
Hexane
Concen: 0.187 ppbv m
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033785.D
Acq: 23 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	117.5	69.8	104.6#
43	92.2	181.8	272.6#
56	64.0	42.1	63.1#





#27

Carbon Disulfide

Concen: 0.106 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033785.D

Acq: 23 May 2019 22:43

Instrument :

MSVOA_L

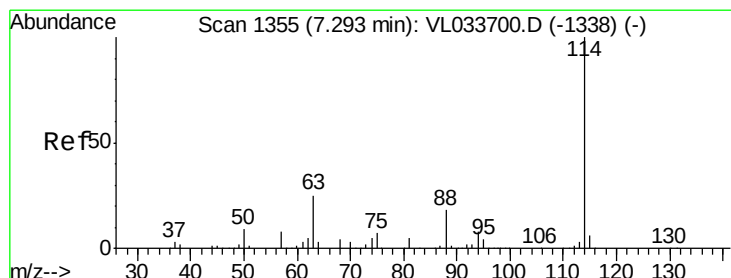
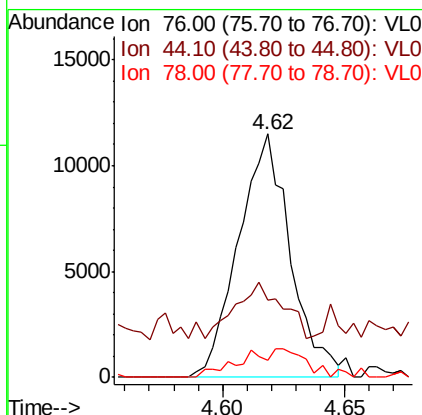
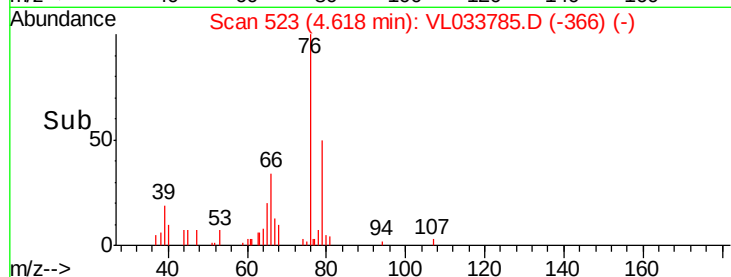
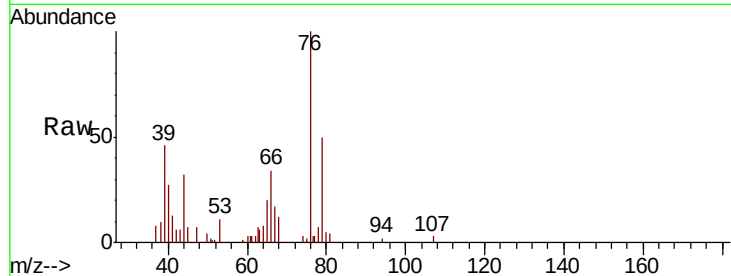
ClientSampleId :

BPS1-SG-3008-55DL

Tot Ion:	76	Resp:	16917
Ion	Ratio	Lower	Upper
76	100		
44	27.3	13.8	20.8#
78	16.2	7.4	11.0#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

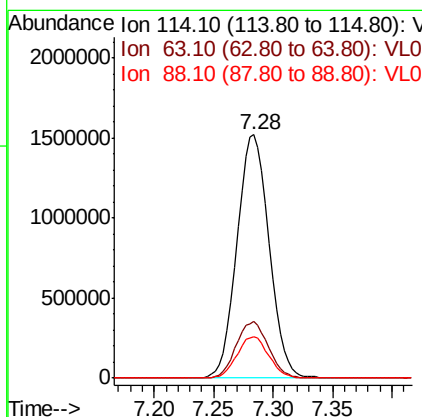
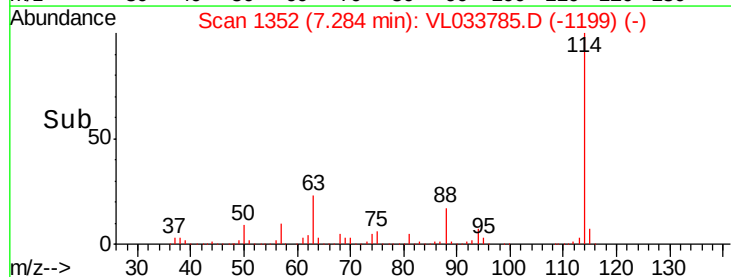
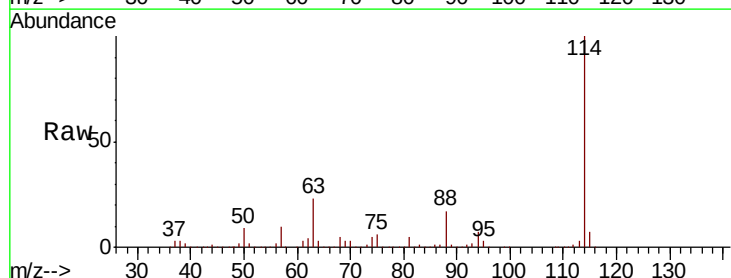
RT: 7.28 min Scan# 1352

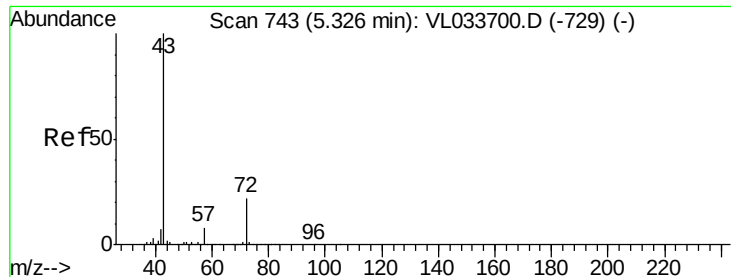
Delta R.T. -0.01 min

Lab File: VL033785.D

Acq: 23 May 2019 22:43

Tgt Ion:	114	Resp:	2847177
Ion	Ratio	Lower	Upper
114	100		
63	23.3	20.9	31.3
88	16.9	14.3	21.5





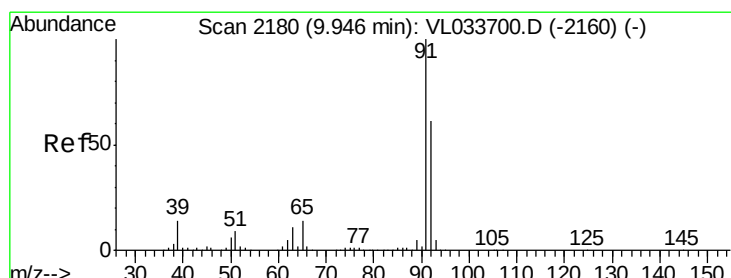
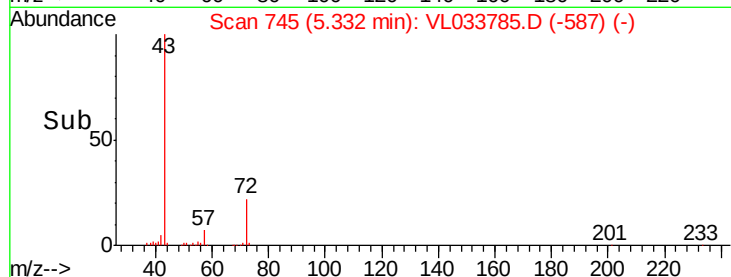
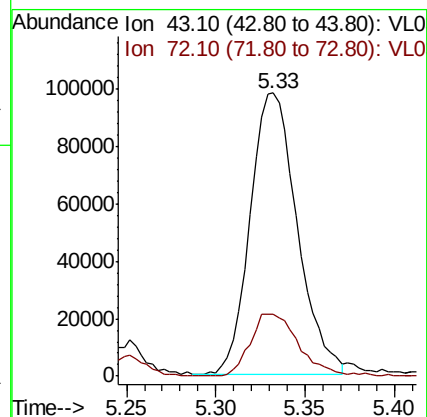
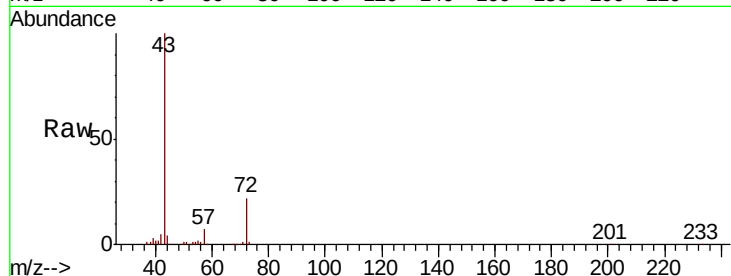
#34
2-Butanone
Concen: 1.031 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033785.D
Acq: 23 May 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.8	26.6

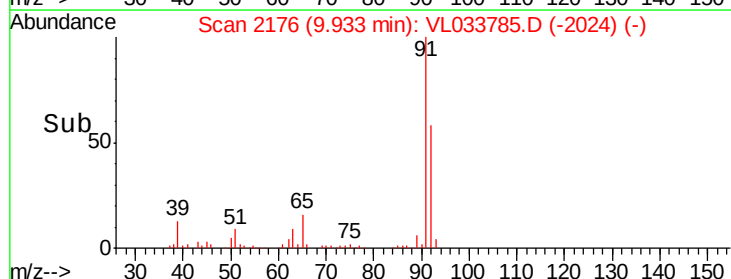
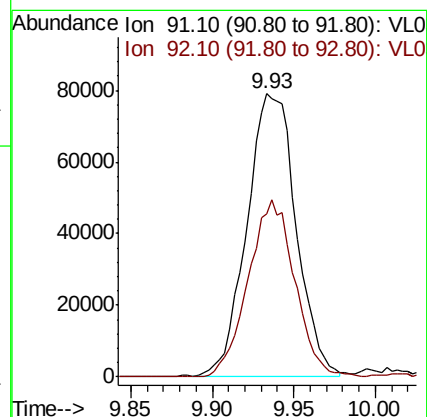
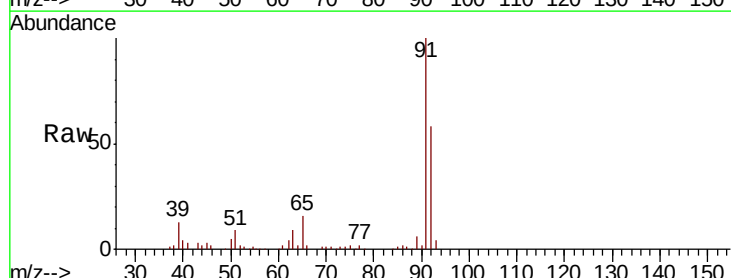
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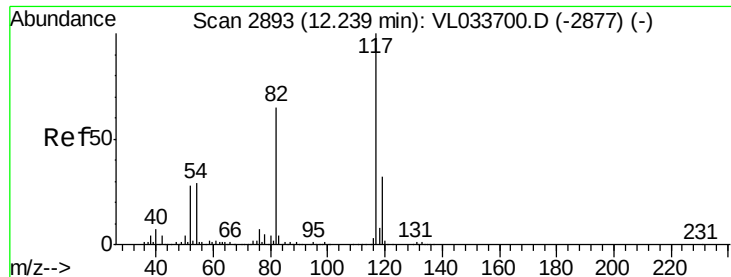
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#53
Toluene
Concen: 0.596 ppbv m
RT: 9.93 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VL033785.D
Acq: 23 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.6	71.4





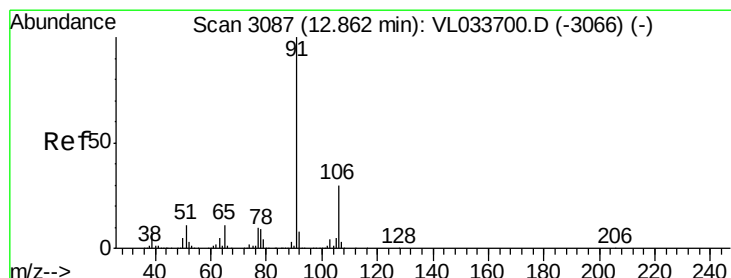
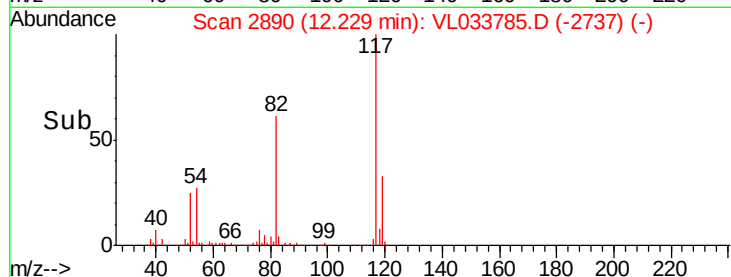
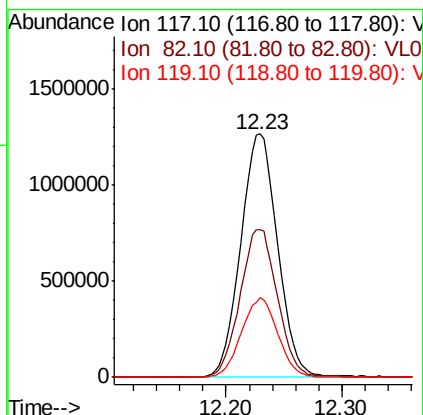
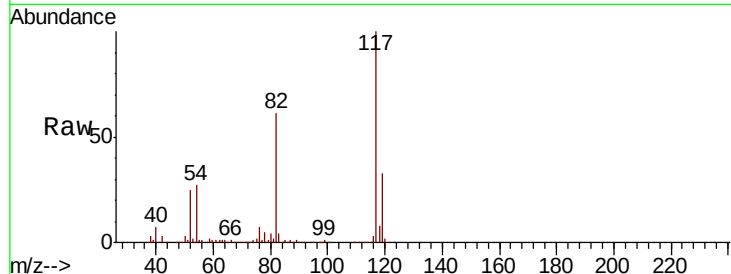
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033785.D
Acq: 23 May 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	49.4	74.0
119	32.5	24.9	37.3

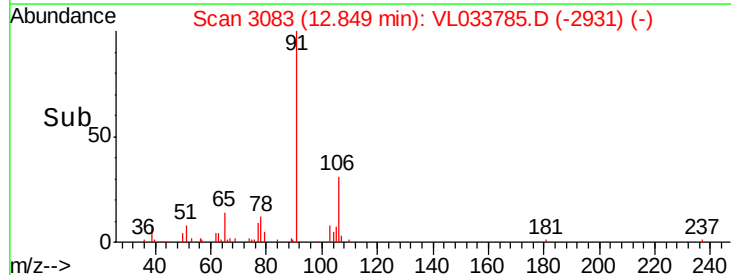
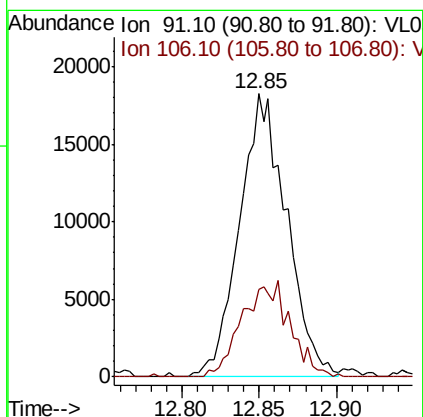
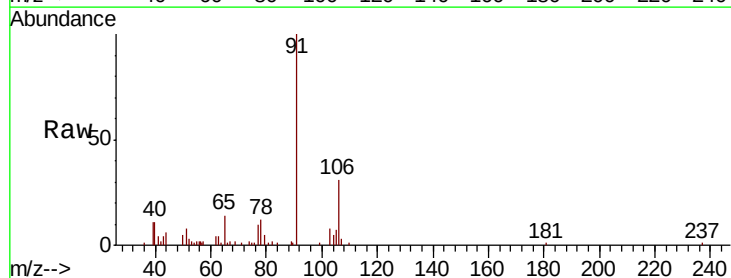
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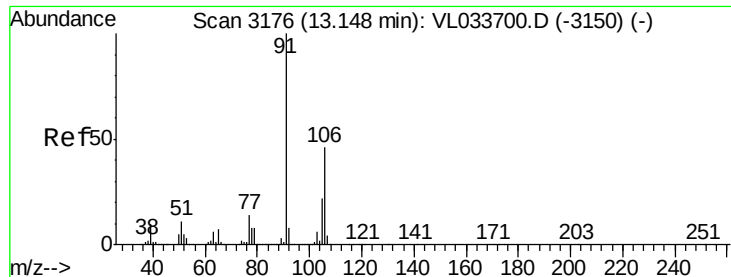
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#58
Ethyl Benzene
Concen: 0.104 ppbv
RT: 12.85 min Scan# 3083
Delta R.T. -0.01 min
Lab File: VL033785.D
Acq: 23 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9





#59

m/p-Xylene

Concen: 0.424 ppbv m

RT: 13.11 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL033785.D

Acq: 23 May 2019 22:43

Instrument :

MSVOA_L

ClientSampled :

BPS1-SG-3008-55DL

Tot Ion: 91 Resp: 137855

Ion Ratio Lower Upper

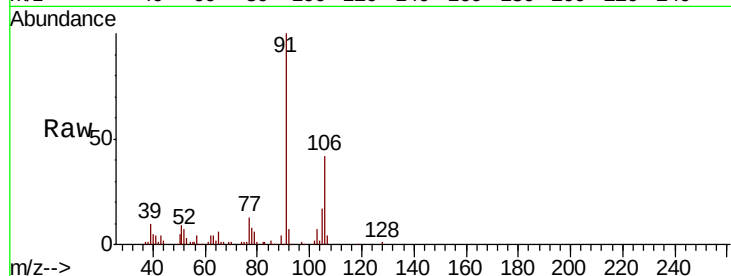
91 100

106 0.0 35.8 53.6#

Manual Integrations
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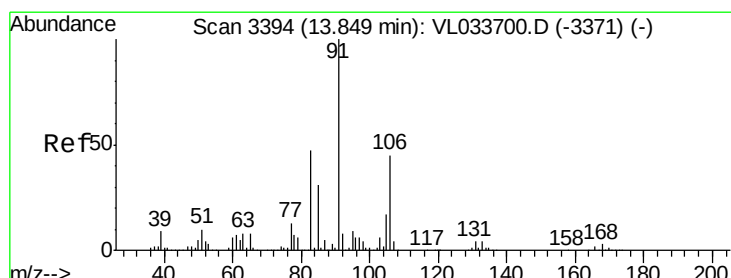
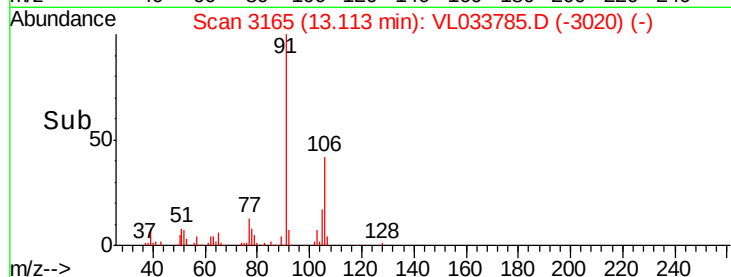
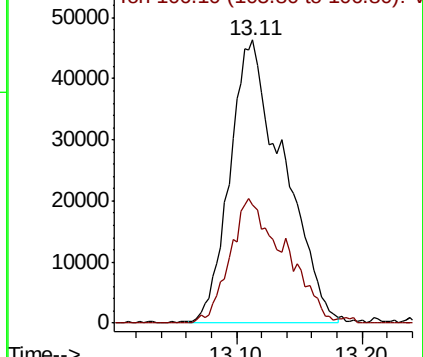
MMDadoda

5/28/2019 2:53:44 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.149 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL033785.D

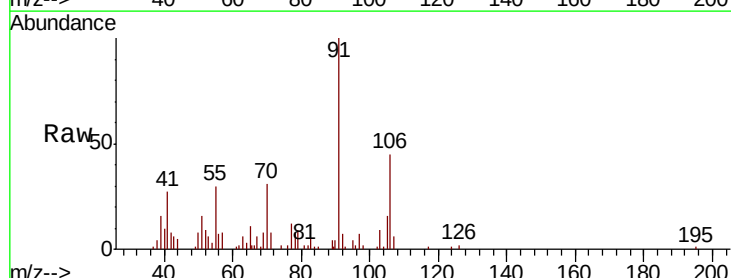
Acq: 23 May 2019 22:43

Tgt Ion: 91 Resp: 48899

Ion Ratio Lower Upper

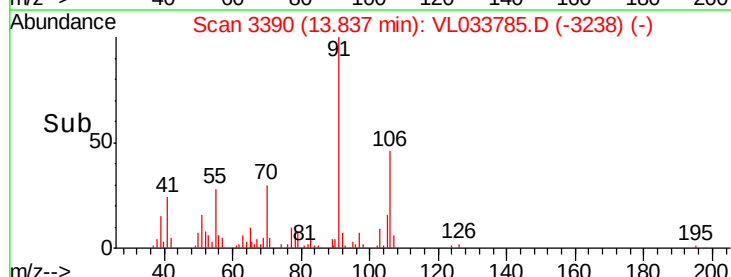
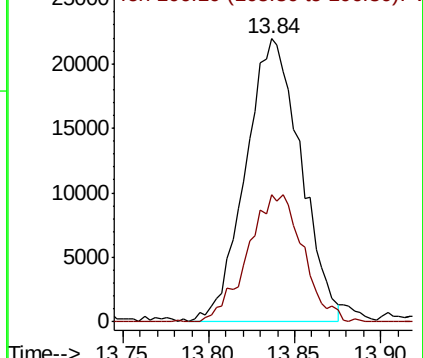
91 100

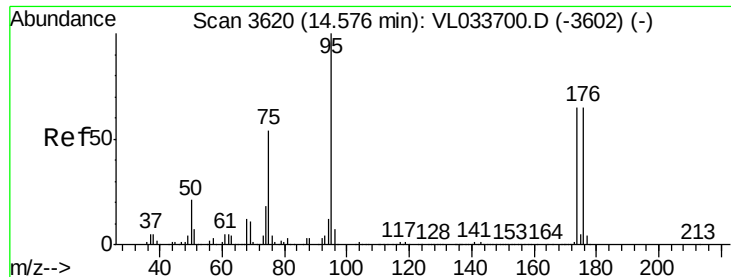
106 45.1 21.6 64.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





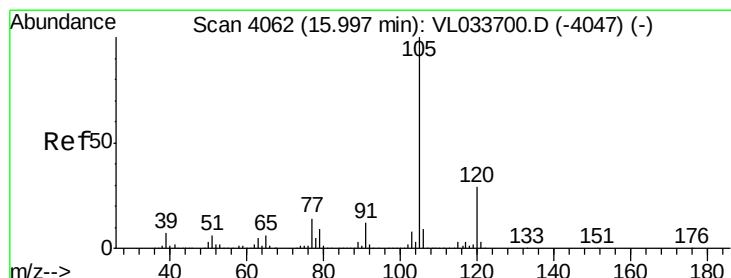
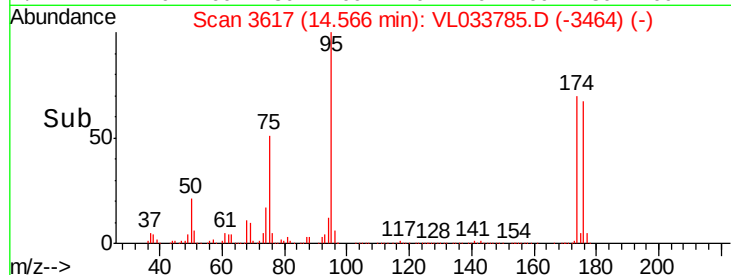
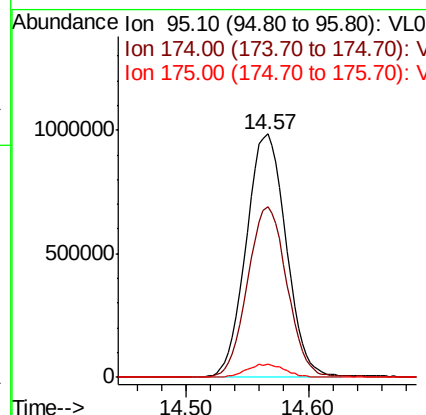
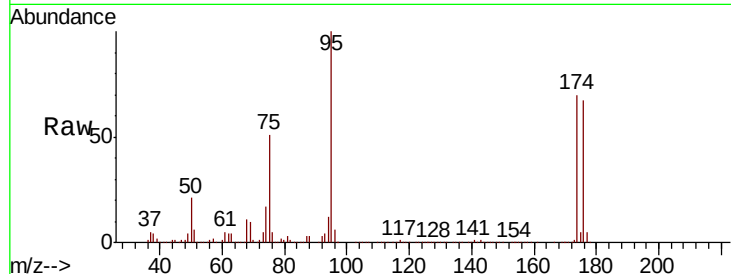
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.800 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033785.D
 Acq: 23 May 2019 22:43

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	69.5	53.9	80.9
175	5.2	3.8	5.8

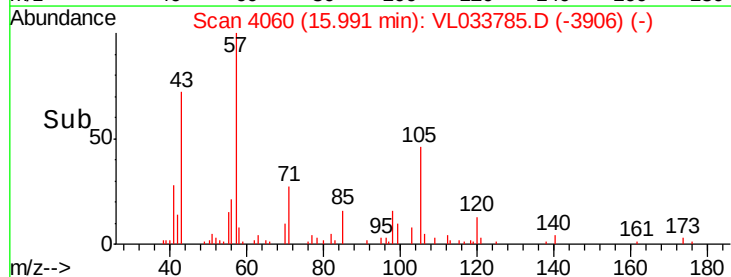
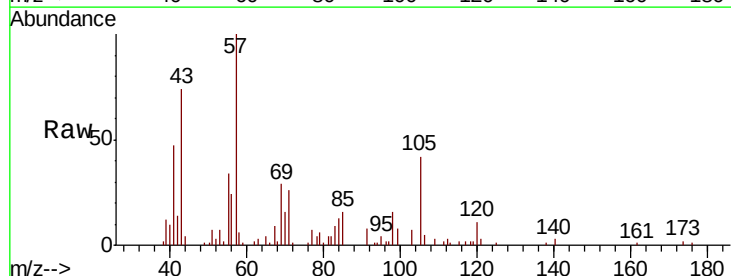
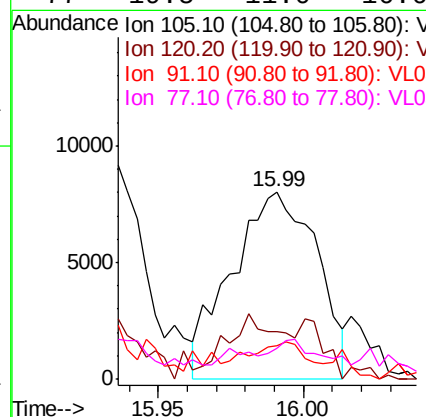
Manual Integrations
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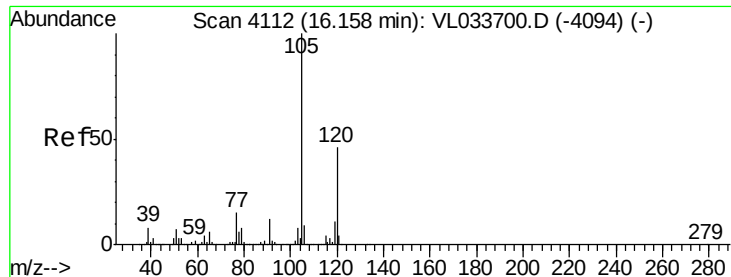
MMDadoda
 5/28/2019 2:53:44 AM



#72
 4-Ethyltoluene
 Concen: 0.044 ppbv
 RT: 15.99 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL033785.D
 Acq: 23 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.8	23.1	34.7
91	21.9	10.4	15.6#
77	19.5	11.0	16.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.011 ppbv

RT: 16.15 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL033785.D

Acq: 23 May 2019 22:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3008-55DL

Tot Ion:105 Resp: 4137

Ion Ratio Lower Upper

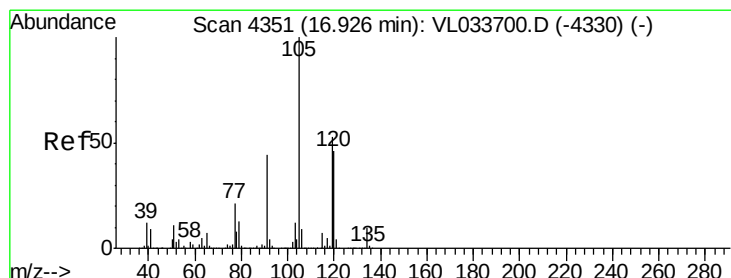
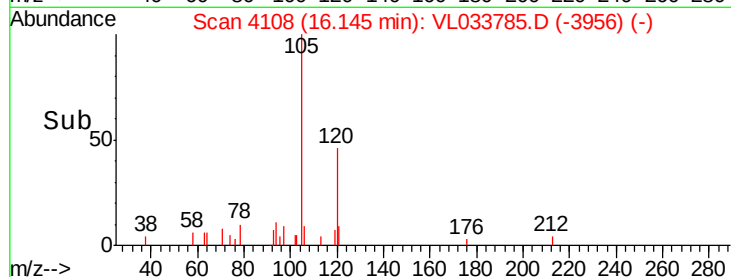
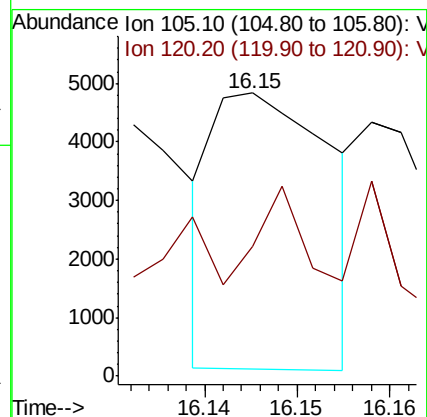
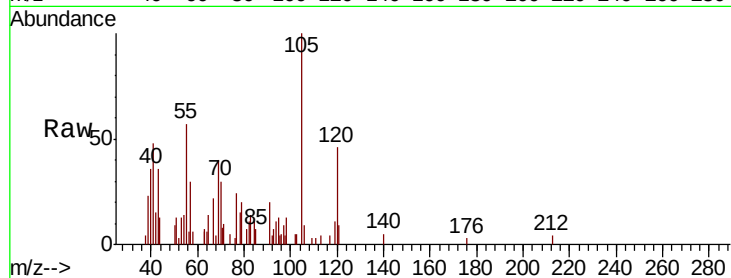
105 100

120 50.1 37.0 55.4

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 0.050 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. -0.02 min

Lab File: VL033785.D

Acq: 23 May 2019 22:43

Tgt Ion:105 Resp: 19800

Ion Ratio Lower Upper

105 100

120 53.7 36.8 55.2

91 6.1 35.4 53.0#

77 12.4 16.8 25.2#

