

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033780.D
 Acq On : 23 May 2019 19:27
 Operator : SY/AP
 Sample : K2929-15
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-25

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:53:35 AM

Quant Time: May 24 05:43:29 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	916293	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2408895	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2495142	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.57	95	1967922	9.73	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	37336	0.193	ppbv	98
3) Chlorodifluoromethane	3.01	51	23121m	0.220	ppbv	
4) Chloromethane	3.16	50	5879m	0.098	ppbv	
9) Propene	3.03	41	969507	21.717	ppbv	93
10) Heptane	8.24	43	514909	4.073	ppbv	98
11) Trichlorofluoromethane	4.00	101	78128	0.424	ppbv	95
13) Ethanol	3.65	45	427286	29.613	ppbv	99
15) Acetone	3.89	43	5471280	43.037	ppbv	93
17) tert-Butyl alcohol	4.36	59	320599	3.119	ppbv	97
20) Methylene Chloride	4.41	84	63399	1.295	ppbv	93
26) Hexane	5.78	57	432064	4.500	ppbv #	48
27) Carbon Disulfide	4.62	76	315937	2.399	ppbv	99
29) Chloroform	5.84	83	87913	0.497	ppbv	97
30) Cyclohexane	7.24	84	55835	0.692	ppbv #	86
32) 1,1,1-Trichloroethane	6.61	97	14889	0.084	ppbv #	83
34) 2-Butanone	5.32	43	980103	6.564	ppbv	98
35) Carbon Tetrachloride	7.13	117	4923m	0.026	ppbv	
36) Benzene	7.00	78	493536	2.252	ppbv	96
41) Tetrahydrofuran	6.15	42	34689	0.415	ppbv #	86
44) 2,2,4-Trimethylpentane	7.98	57	209246	0.565	ppbv #	72
50) 4-Methyl-2-Pentanone	8.87	43	323095	1.407	ppbv	99
51) 2-Hexanone	10.26	43	251841	1.405	ppbv #	93
52) Tetrachloroethene	11.36	164	23287	0.302	ppbv	97
53) Toluene	9.94	91	6300246	26.657	ppbv	98
58) Ethyl Benzene	12.86	91	1678845	5.081	ppbv	100
59) m/p-Xylene	13.11	91	5341940	18.495	ppbv	96
60) o-Xylene	13.84	91	1697881	5.831	ppbv	97
61) Styrene	13.68	104	36033m	0.184	ppbv	
62) Isopropylbenzene	14.82	105	87564	0.223	ppbv	94
64) n-propylbenzene	15.71	120	84034	0.829	ppbv	93
65) tert-Butylbenzene	16.92	119	95602	0.267	ppbv #	65
70) n-Butylbenzene	18.73	91	98212	0.221	ppbv #	71
72) 4-Ethyltoluene	15.99	105	434113	1.304	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	267671	0.824	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	873087	2.470	ppbv #	74
75) 1,3-Dichlorobenzene	17.16	146	24968m	0.115	ppbv	
79) Naphthalene	22.41	128	54556m	0.166	ppbv	

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

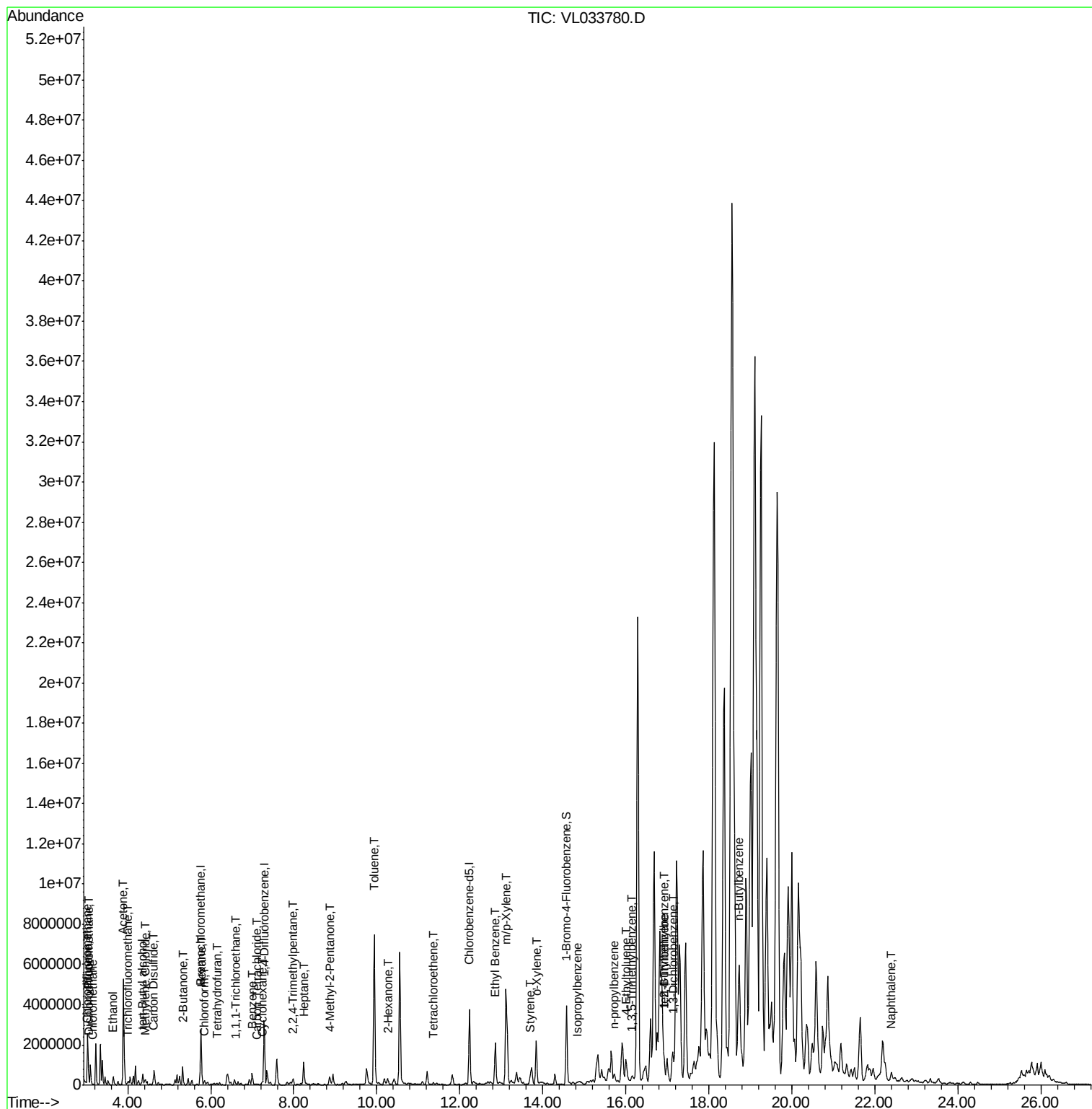
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
Data File : VL033780.D
Acq On : 23 May 2019 19:27
Operator : SY/AP
Sample : K2929-15
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

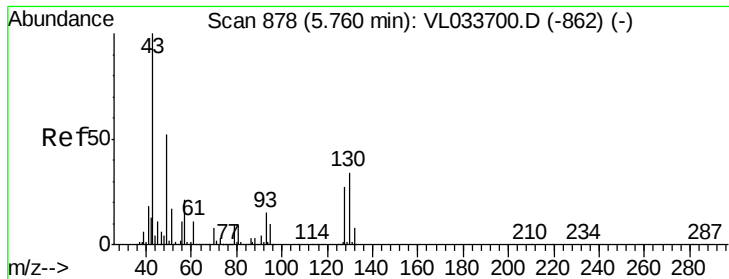
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25

Manual Integrations
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Quant Time: May 24 05:43:29 2019
Quant Method : Z:\VOASRV\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: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

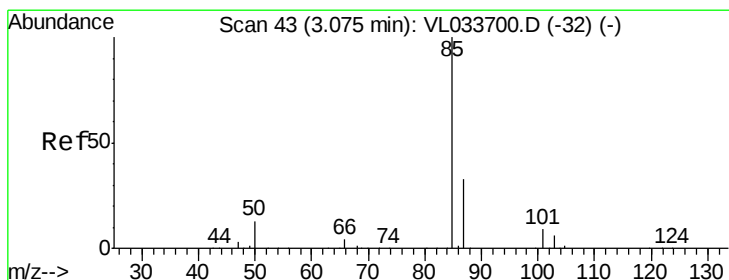
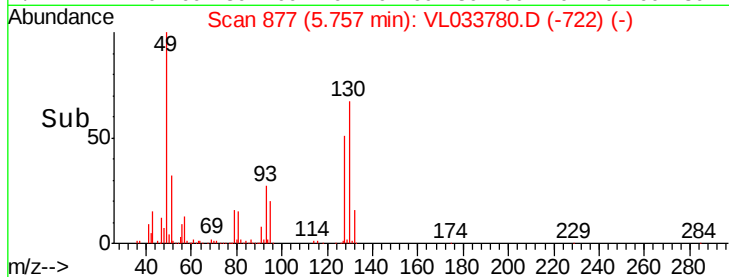
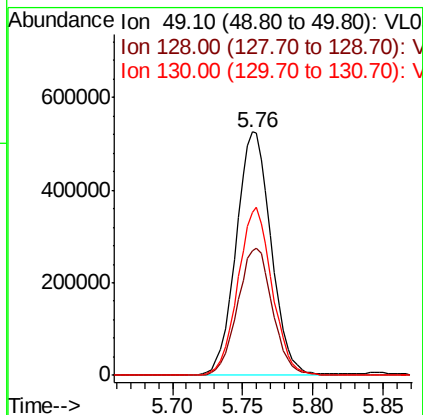
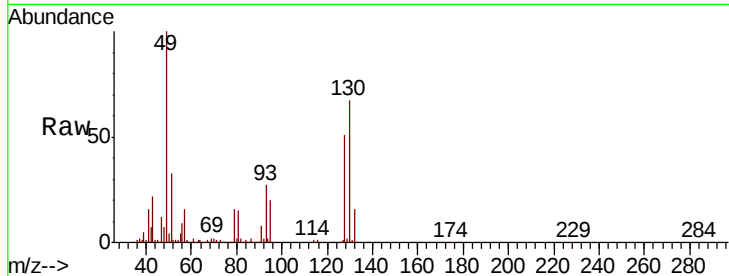
ClientSampleId :

BPS1-SG-3003-25

Tot Ion:	49	Resp:	916293
Ion Ratio	Lower	Upper	
49	100		
128	52.3	25.2	75.6
130	67.4	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 0.193 ppbv

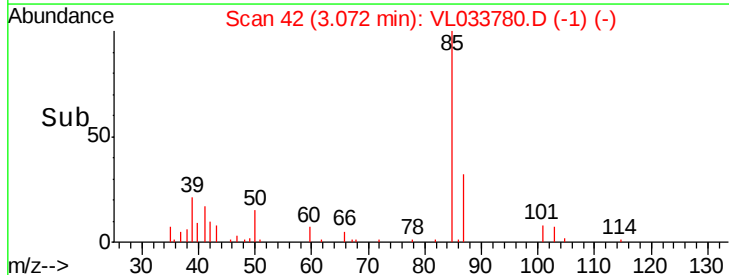
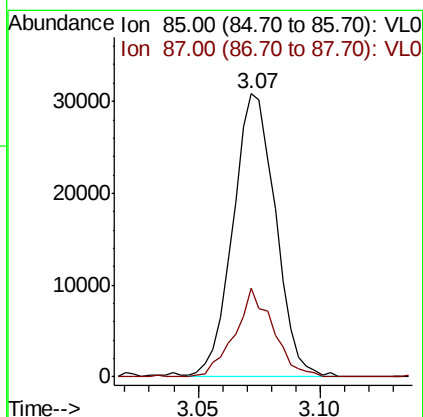
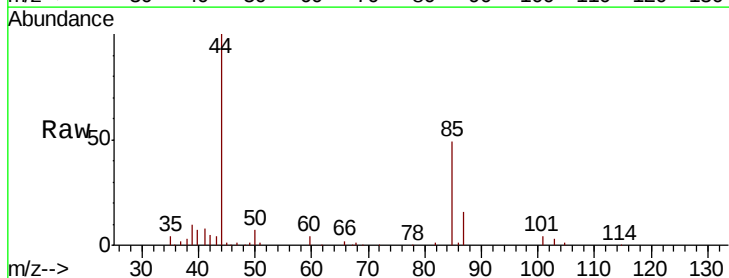
RT: 3.07 min Scan# 42

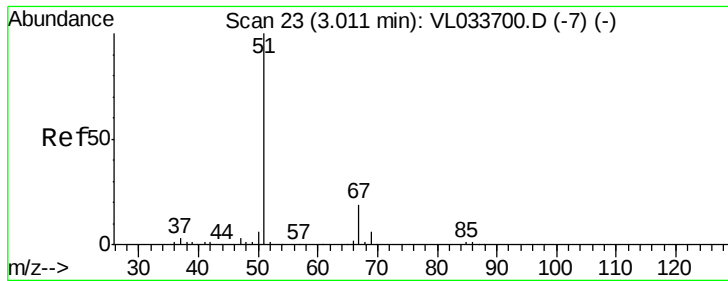
Delta R.T. -0.00 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Tgt Ion:	85	Resp:	37336
Ion Ratio	Lower	Upper	
85	100		
87	31.6	26.3	39.5





#3

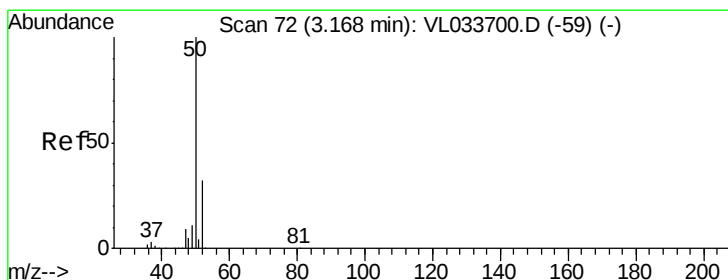
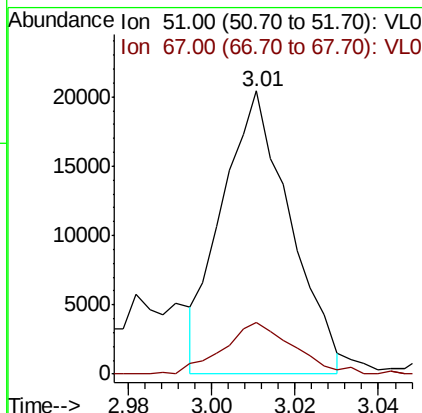
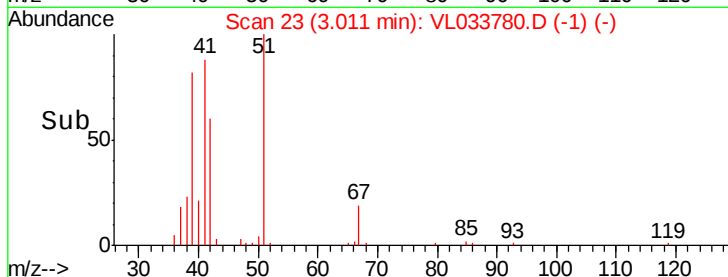
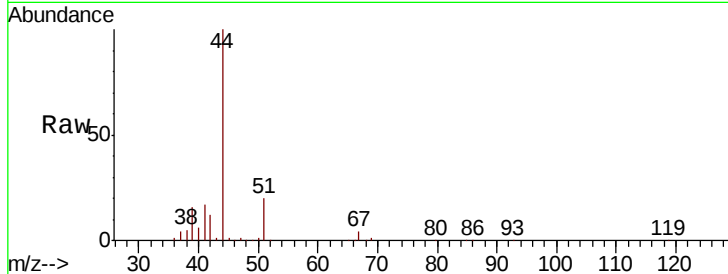
Chlorodifluoromethane
 Concen: 0.220 ppbv m
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033780.D
 Acq: 23 May 2019 19:27

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-25

Tot Ion	Ion	Ratio	Lower	Upper
51	51	100		
67	67	19.1	15.6	23.4

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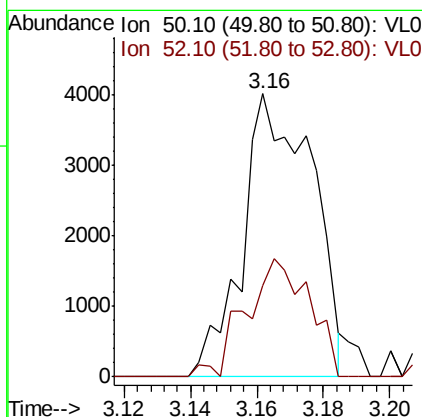
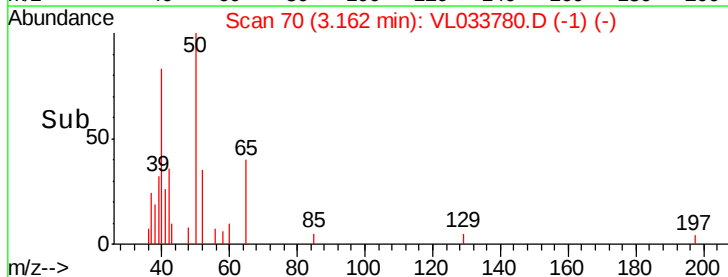
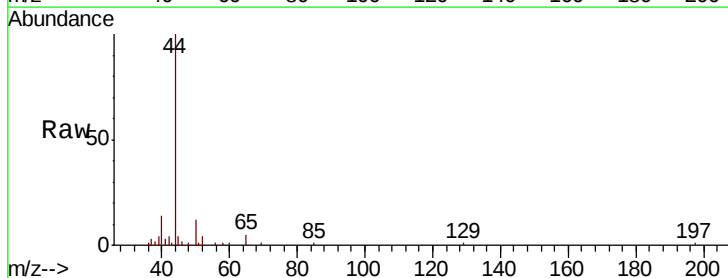
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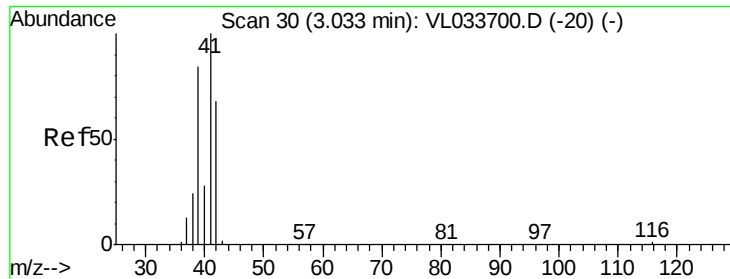


#4

Chloromethane
 Concen: 0.098 ppbv m
 RT: 3.16 min Scan# 70
 Delta R.T. -0.01 min
 Lab File: VL033780.D
 Acq: 23 May 2019 19:27

Tgt Ion	Ion	Ratio	Lower	Upper
50	50	100		
52	52	35.0	25.7	38.5





#9

Propene

Concen: 21.717 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-25

Tot Ion: 41 Resp: 969507

Ion Ratio Lower Upper

41 100

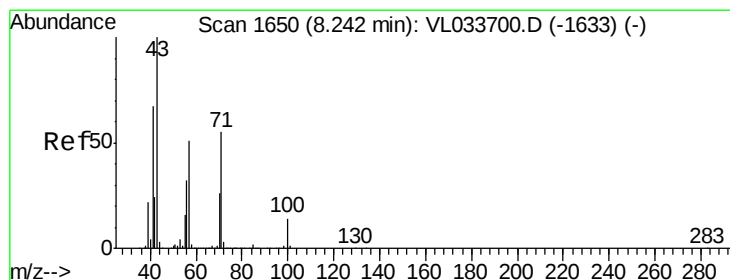
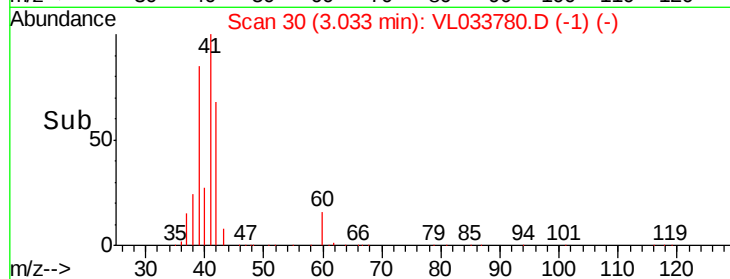
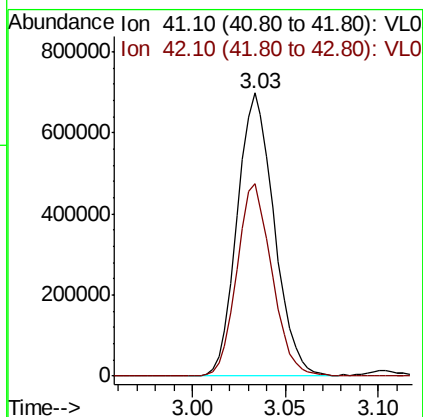
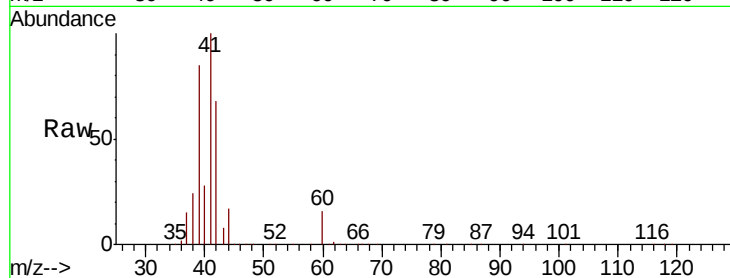
42 64.6 56.1 84.1

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#10

Heptane

Concen: 4.073 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL033780.D

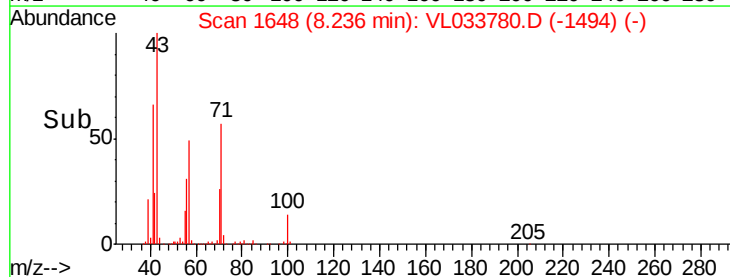
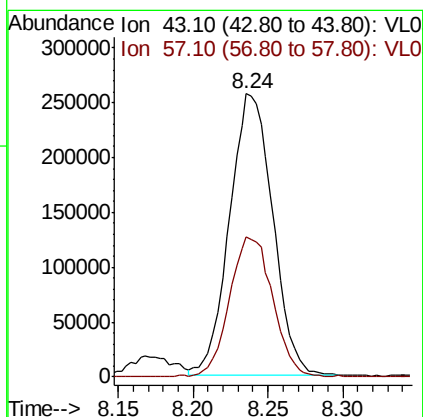
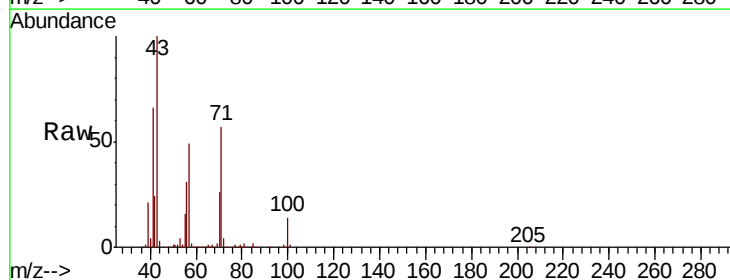
Acq: 23 May 2019 19:27

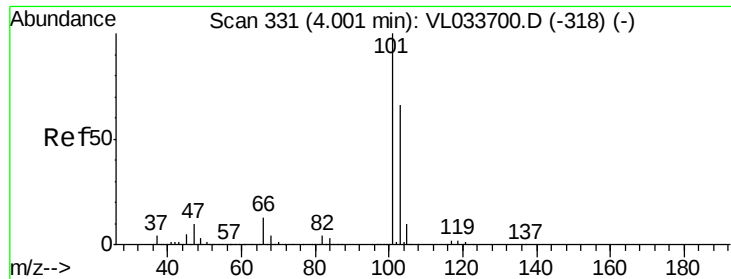
Tgt Ion: 43 Resp: 514909

Ion Ratio Lower Upper

43 100

57 50.0 41.4 62.0





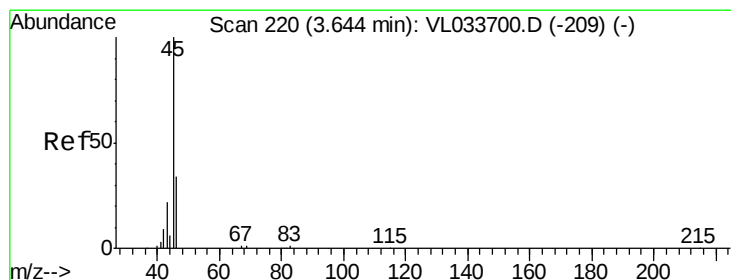
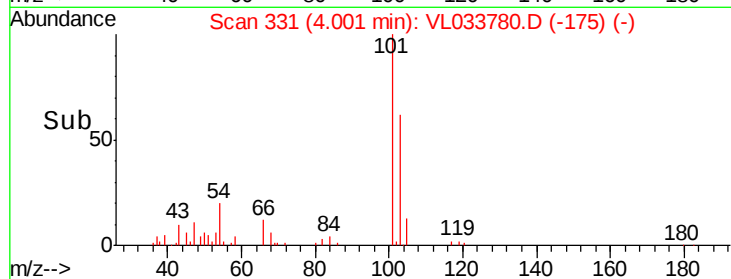
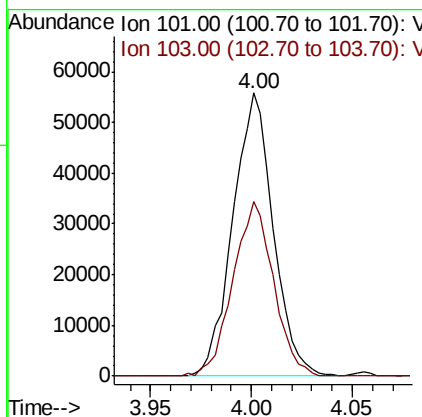
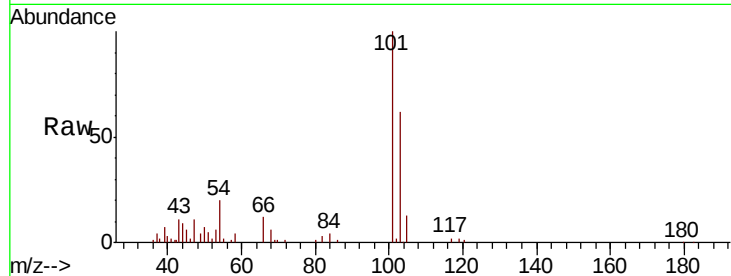
#11
 Trichlorofluoromethane
 Concen: 0.424 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033780.D
 Acq: 23 May 2019 19:27

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		78128		
103	61.9	52.6	78.8		

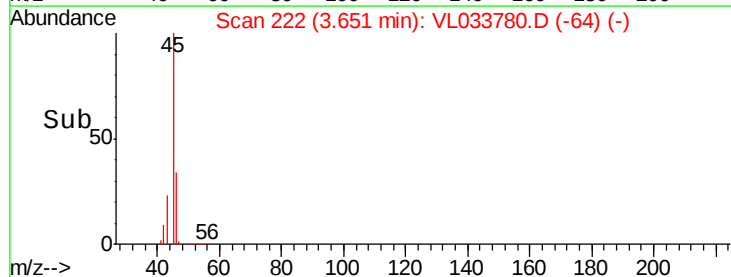
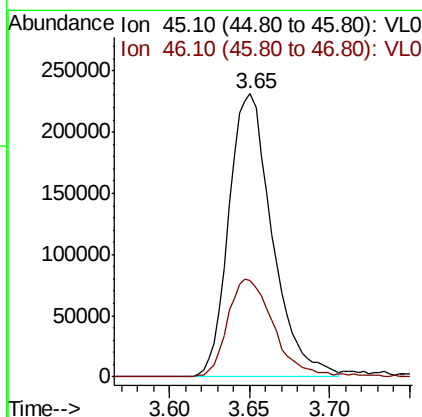
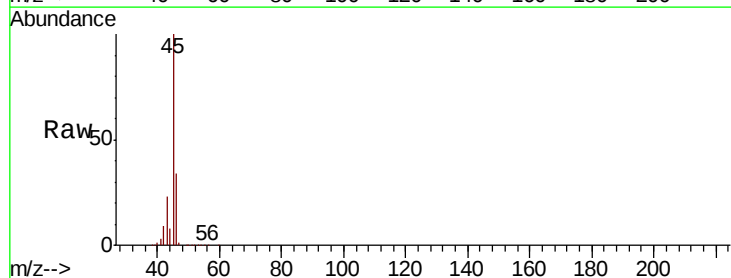
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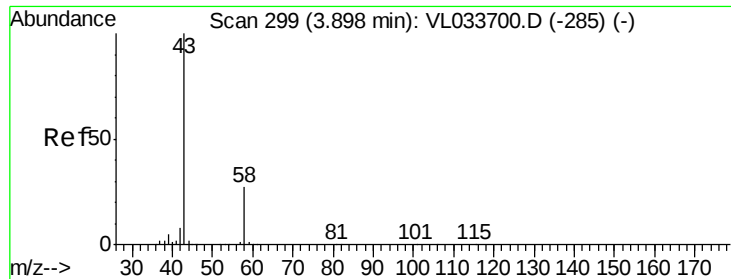
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#13
 Ethanol
 Concen: 29.613 ppbv
 RT: 3.65 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VL033780.D
 Acq: 23 May 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		427286		
46	37.3	14.8	59.0		





#15

Acetone

Concen: 43.037 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-25

Tot Ion: 43 Resp: 5471280

Ion Ratio Lower Upper

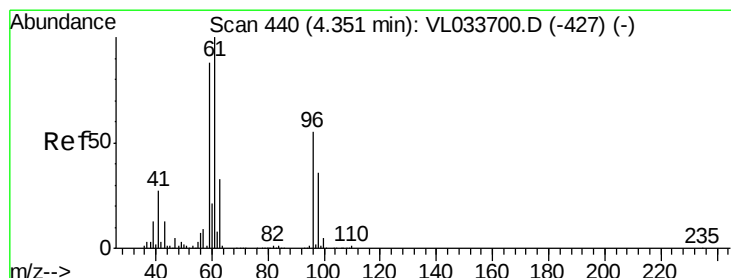
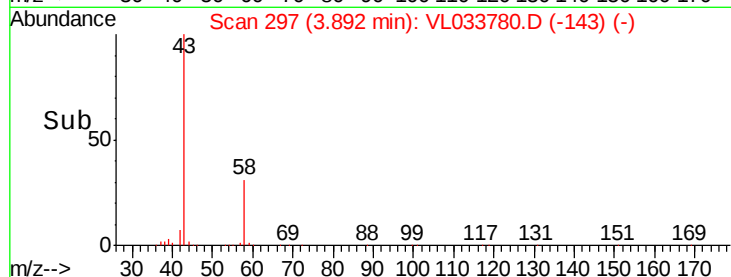
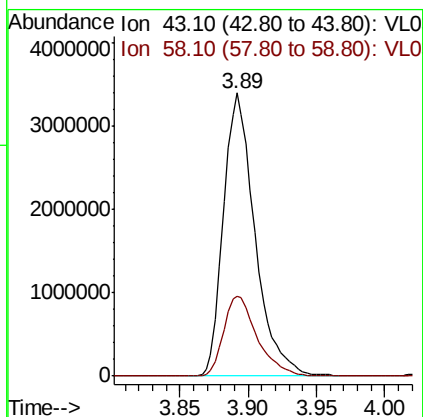
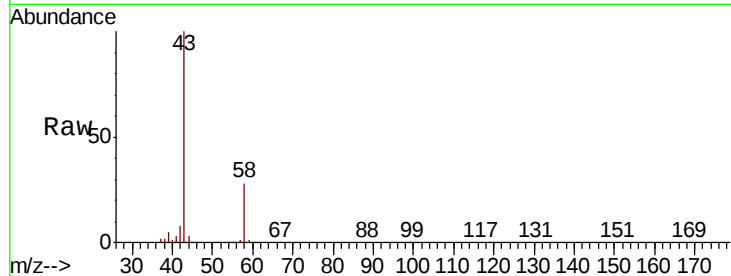
43 100

58 30.3 21.3 31.9

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#17

tert-Butyl alcohol

Concen: 3.119 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.01 min

Lab File: VL033780.D

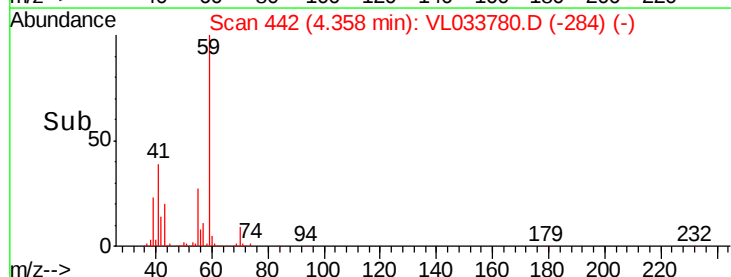
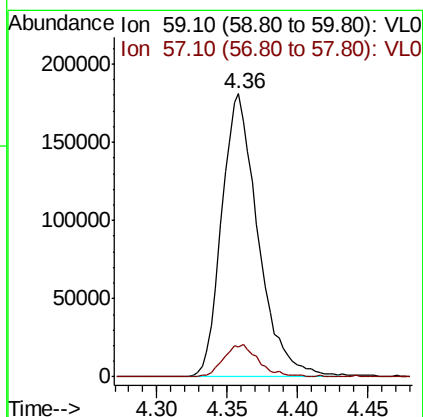
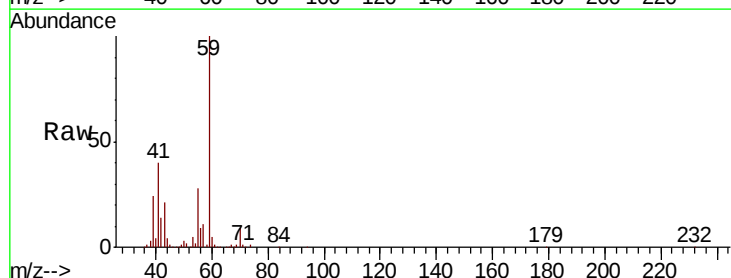
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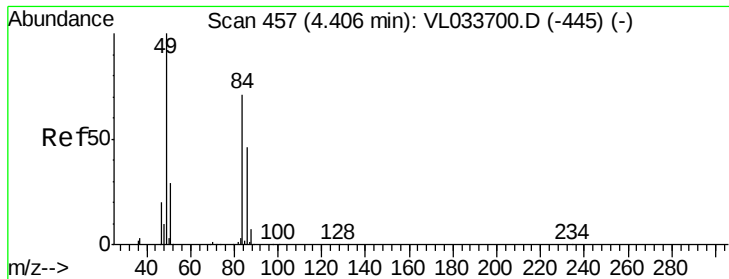
Tgt Ion: 59 Resp: 320599

Ion Ratio Lower Upper

59 100

57 11.7 8.4 12.6





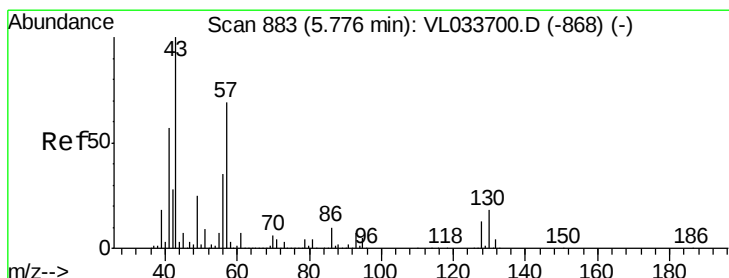
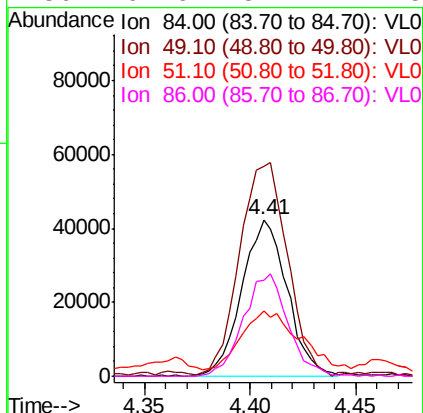
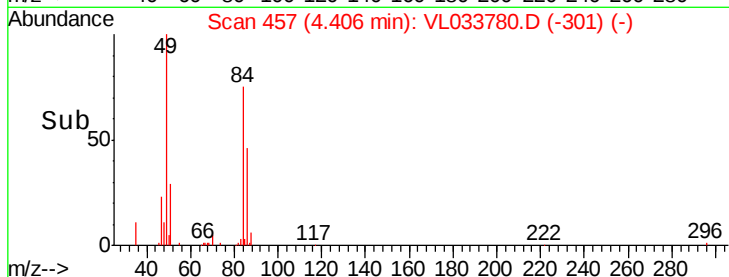
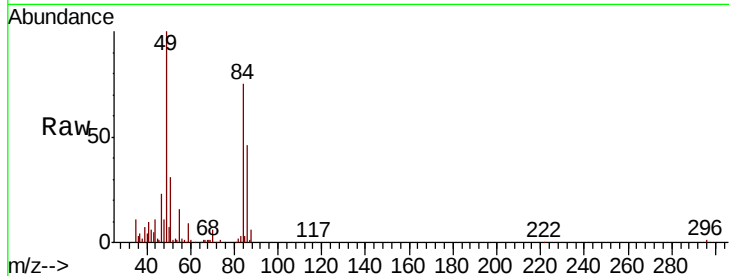
#20
Methvlene Chloride
Concen: 1.295 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033780.D
Acq: 23 May 2019 19:27

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25

Tot Ion:	84	Resp:	63399
Ion	Ratio	Lower	Upper
84	100		
49	132.1	112.8	169.2
51	35.5	33.4	50.0
86	61.6	51.7	77.5

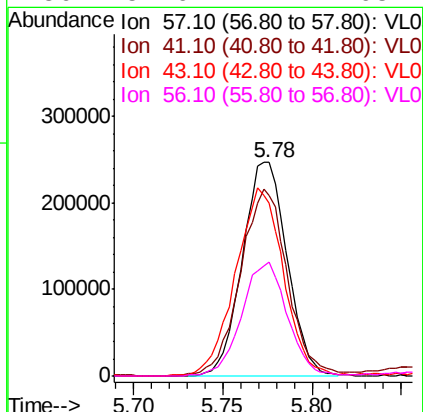
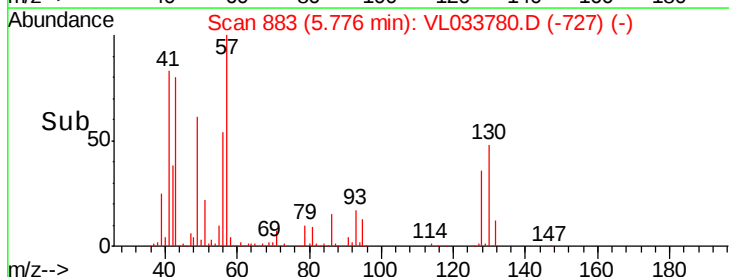
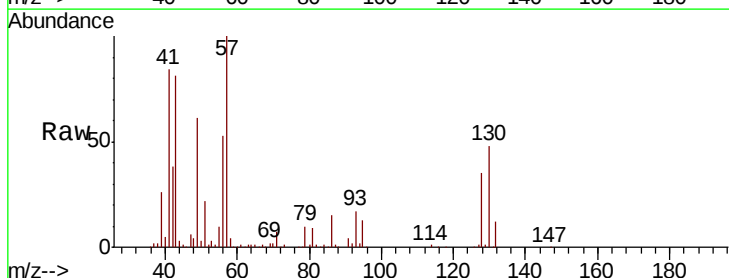
Manual Integrations
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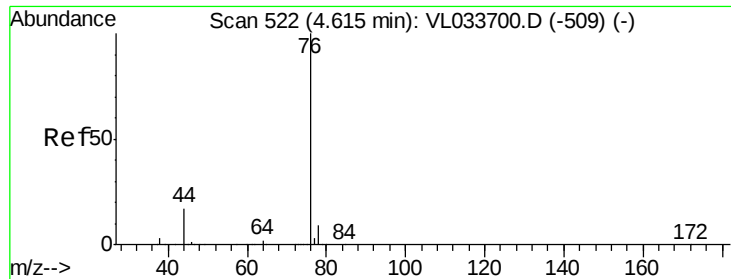
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5/28/2019 2:53:35 AM



#26
Hexane
Concen: 4.500 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033780.D
Acq: 23 May 2019 19:27

Tgt Ion:	57	Resp:	432064
Ion	Ratio	Lower	Upper
57	100		
41	91.9	69.8	104.6
43	93.9	181.8	272.6#
56	54.6	42.1	63.1





#27

Carbon Disulfide

Concen: 2.399 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

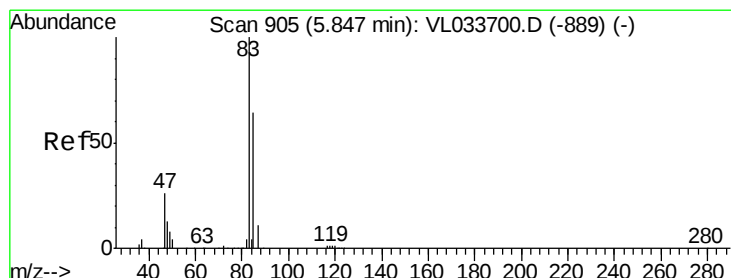
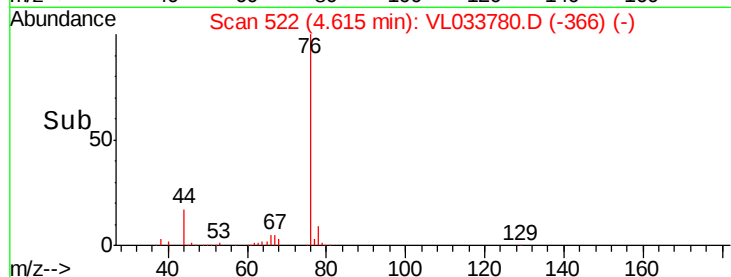
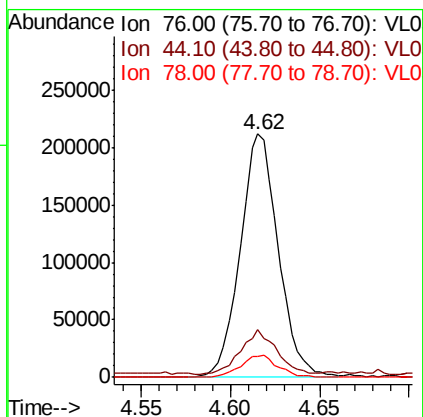
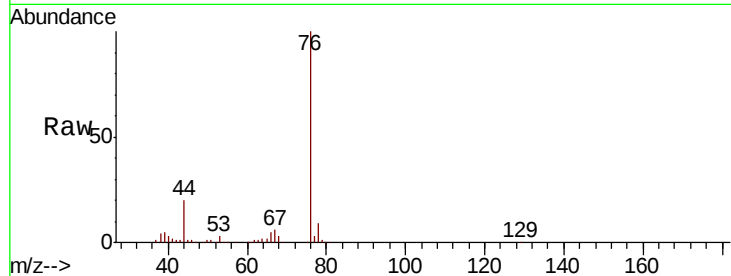
ClientSampleId :

BPS1-SG-3003-25

Tot Ion:	76	Resp:	315937
Ion Ratio	Lower	Upper	
76	100		
44	16.8	13.8	20.8
78	9.3	7.4	11.0

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#29

Chloroform

Concen: 0.497 ppbv

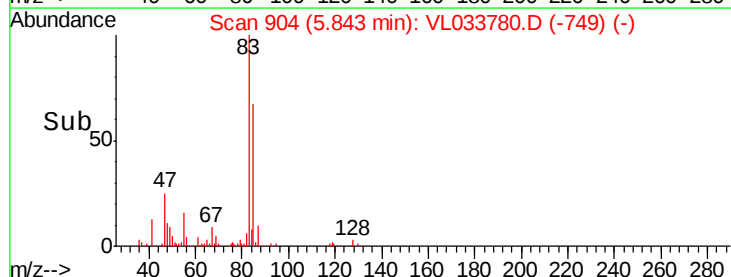
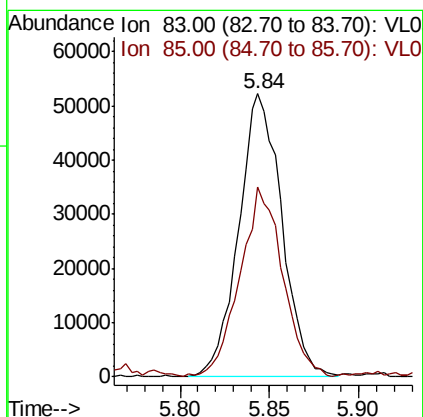
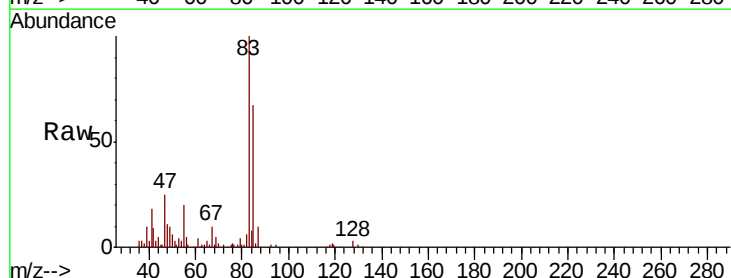
RT: 5.84 min Scan# 904

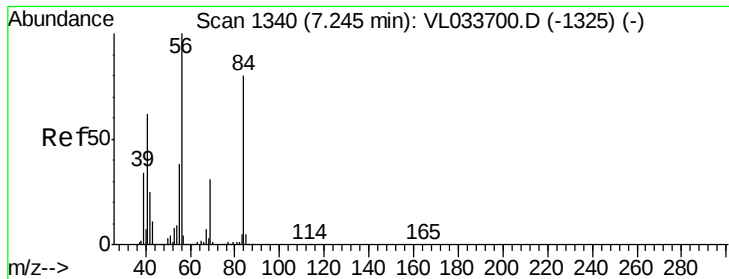
Delta R.T. -0.00 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Tgt Ion:	83	Resp:	87913
Ion Ratio	Lower	Upper	
83	100		
85	66.4	51.5	77.3





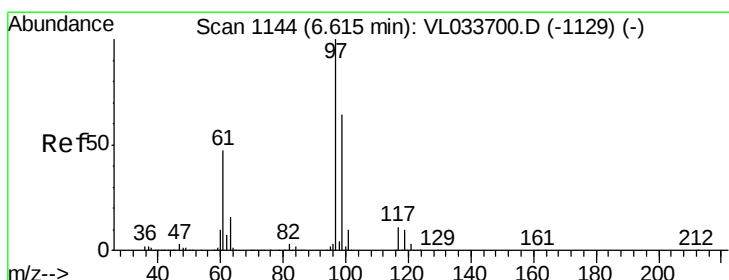
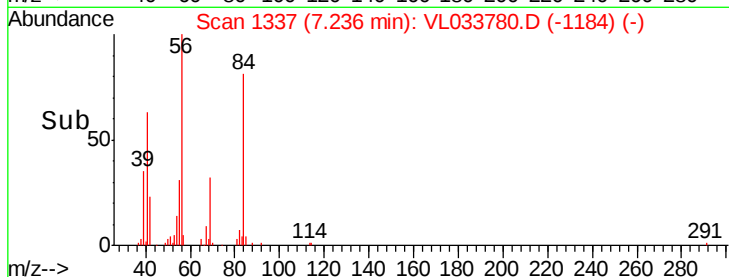
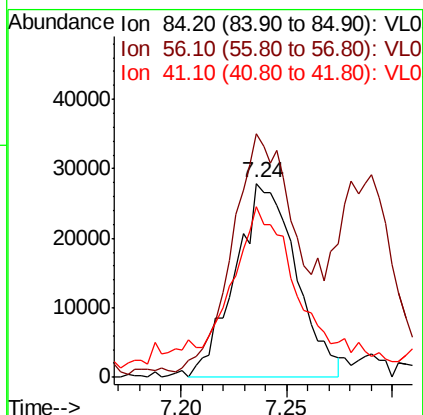
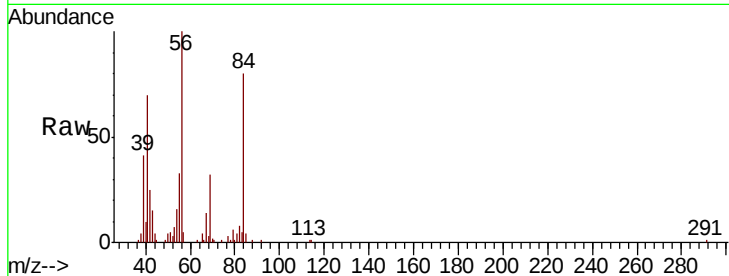
#30
Cvclohexane
Concen: 0.692 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL033780.D
Acq: 23 May 2019 19:27

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25

Tot Ion	Ratio	Lower	Upper
84	100		
56	126.6	107.7	161.5
41	104.9	66.0	99.0#

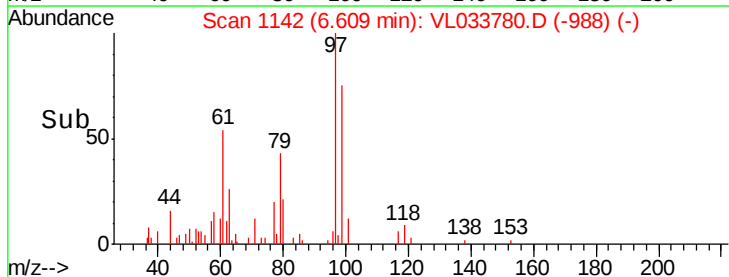
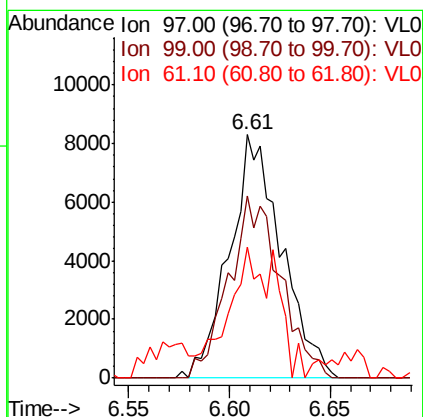
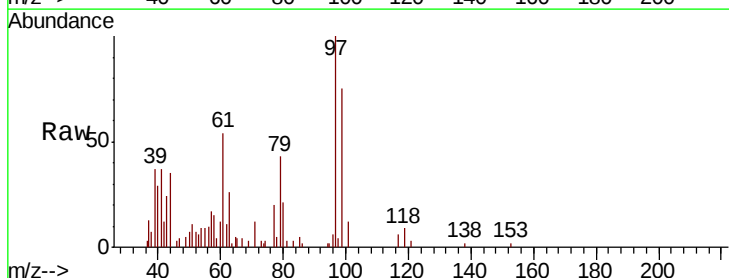
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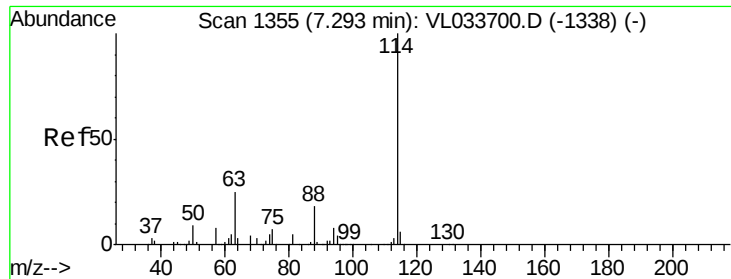
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.084 ppbv
RT: 6.61 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VL033780.D
Acq: 23 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	74.6	51.5	77.3
61	61.9	37.8	56.8#





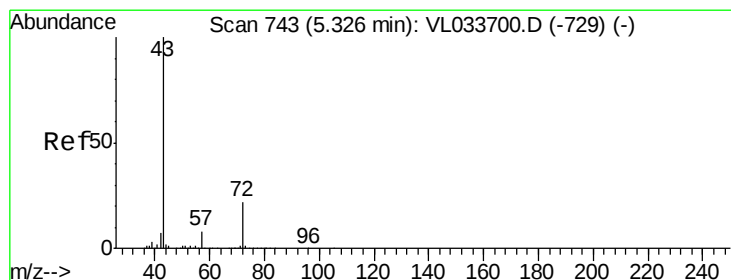
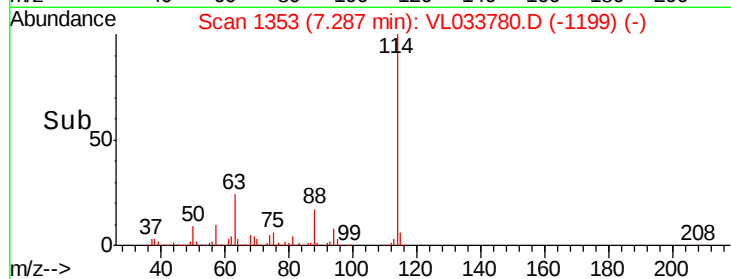
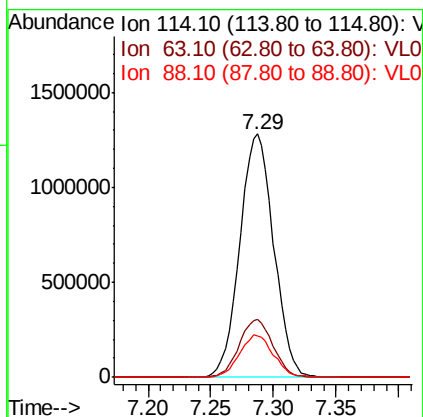
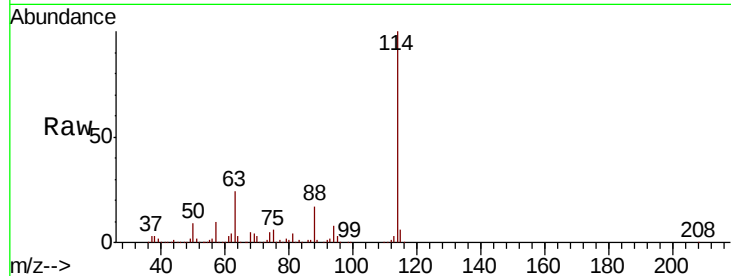
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033780.D
 Acq: 23 May 2019 19:27

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-25

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	20.9	31.3
88	17.4	14.3	21.5

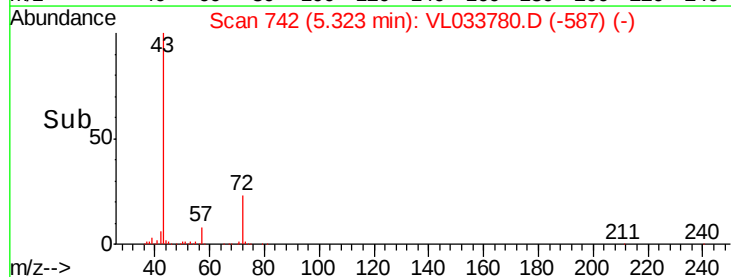
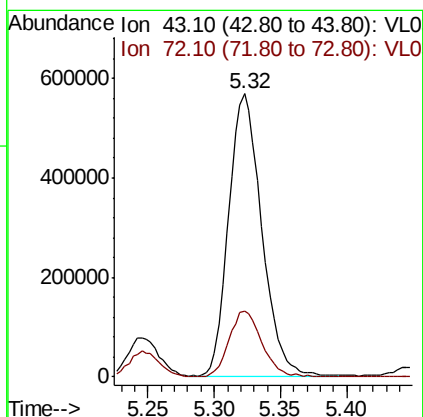
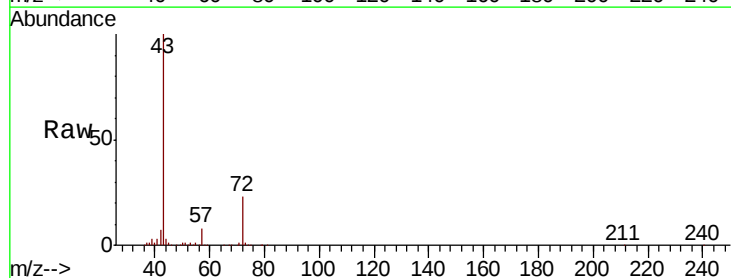
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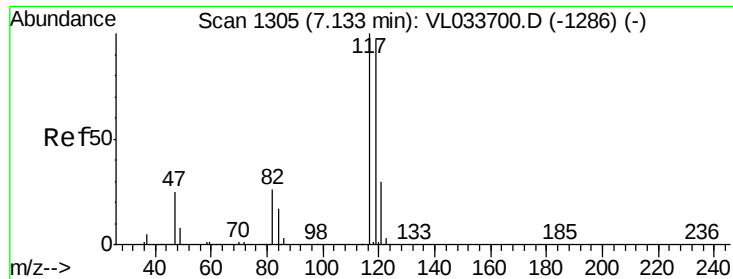
MMDadoda
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#34
 2-Butanone
 Concen: 6.564 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033780.D
 Acq: 23 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.8	26.6





#35

Carbon Tetrachloride

Concen: 0.026 ppbv m

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

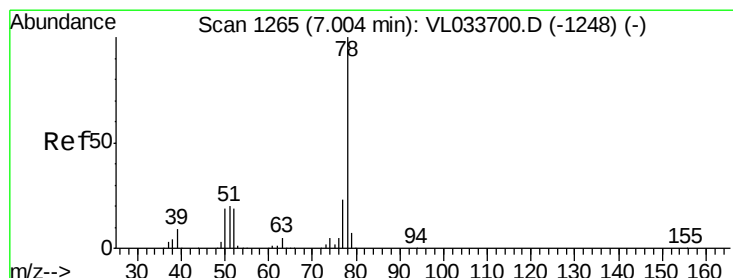
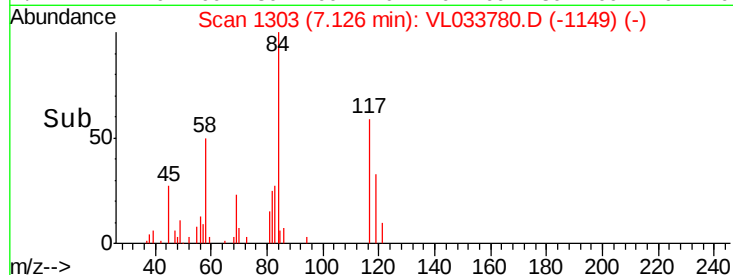
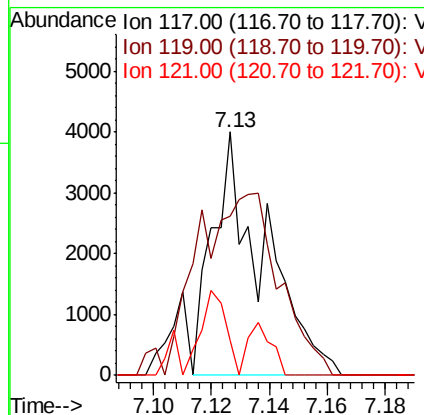
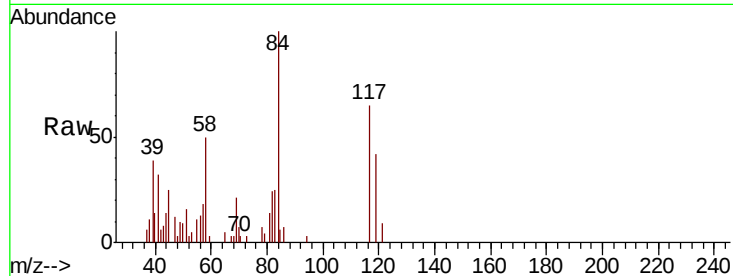
ClientSampleId :

BPS1-SG-3003-25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
4923	117	100			
	119	65.2		77.2	115.8#
	121	14.2		24.1	36.1#

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#36

Benzene

Concen: 2.252 ppbv

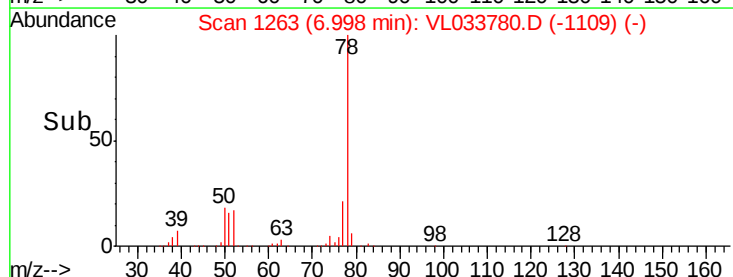
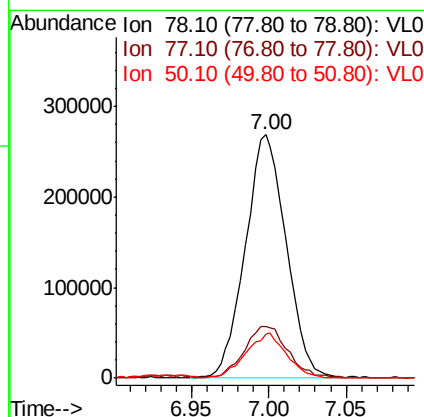
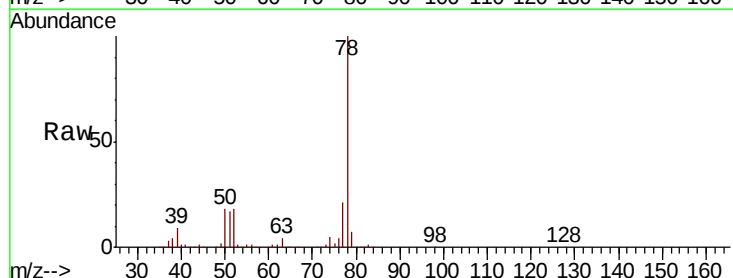
RT: 7.00 min Scan# 1263

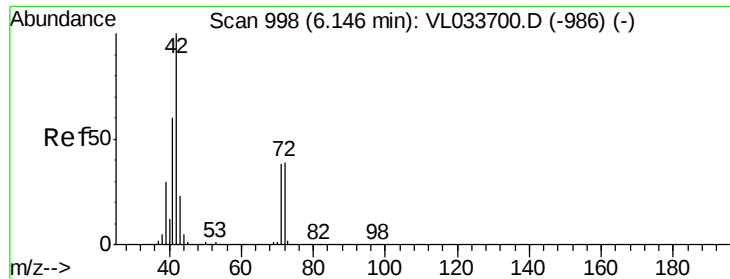
Delta R.T. -0.01 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
493536	78	100			
	77	20.8		18.4	27.6
	50	17.8		15.5	23.3





#41

Tetrahydrofuran

Concen: 0.415 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

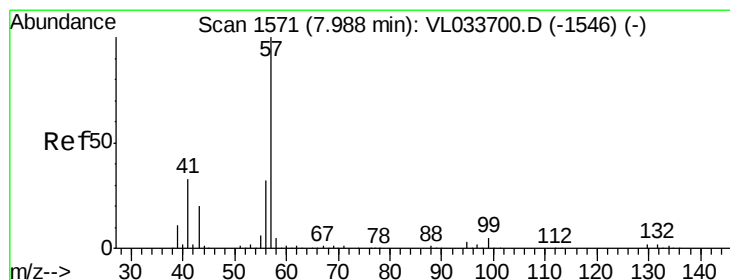
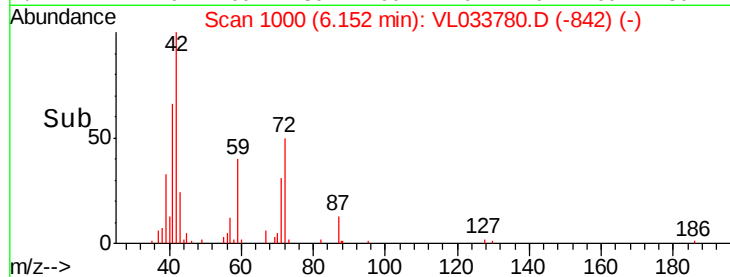
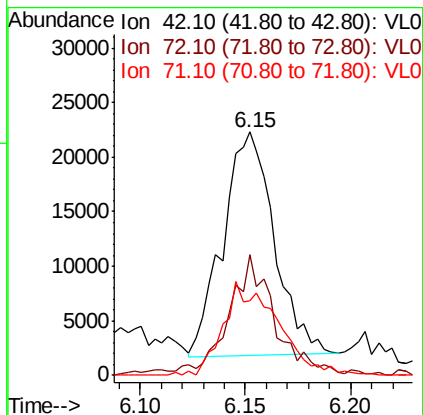
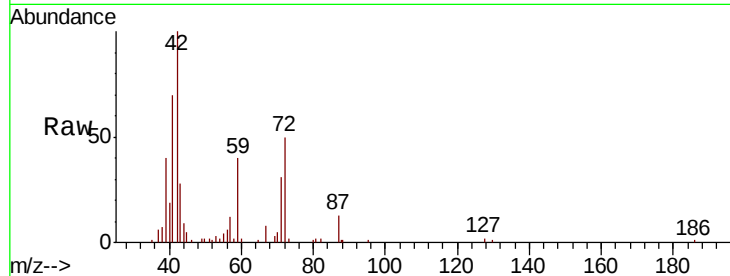
ClientSampleId :

BPS1-SG-3003-25

Tot Ion:	42	Resp:	34689
Ion	Ratio	Lower	Upper
42	100		
72	51.2	32.0	48.0#
71	44.0	30.4	45.6

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#44

2,2,4-Trimethylpentane

Concen: 0.565 ppbv

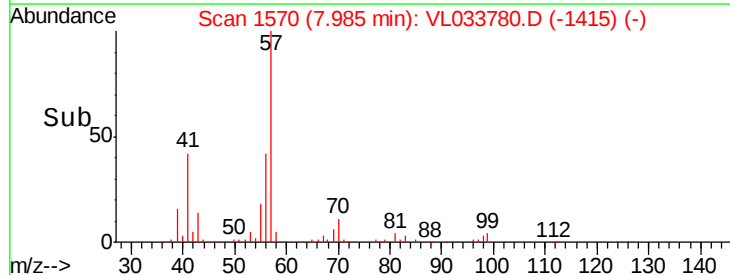
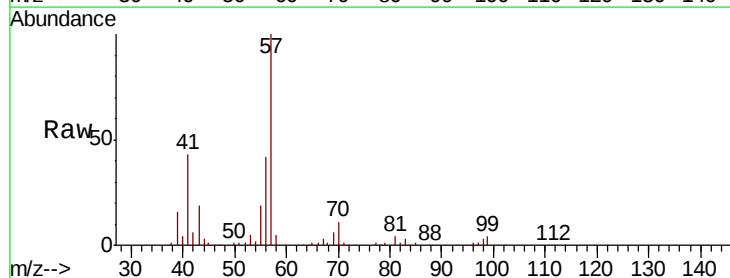
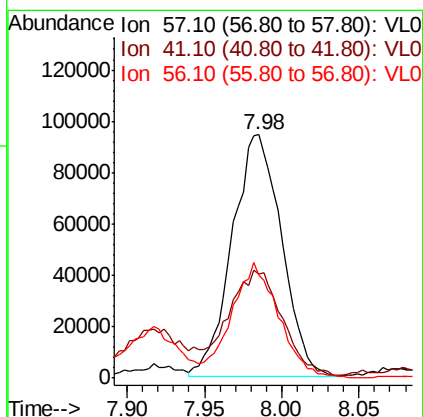
RT: 7.98 min Scan# 1570

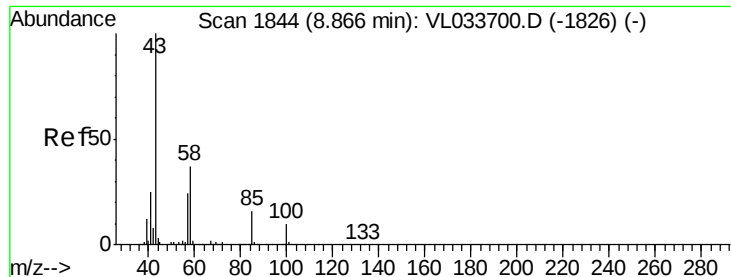
Delta R.T. -0.00 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Tgt Ion:	57	Resp:	209246
Ion	Ratio	Lower	Upper
57	100		
41	46.7	25.4	38.0#
56	46.3	24.7	37.1#





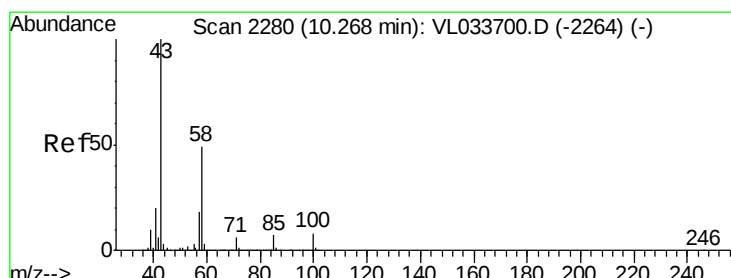
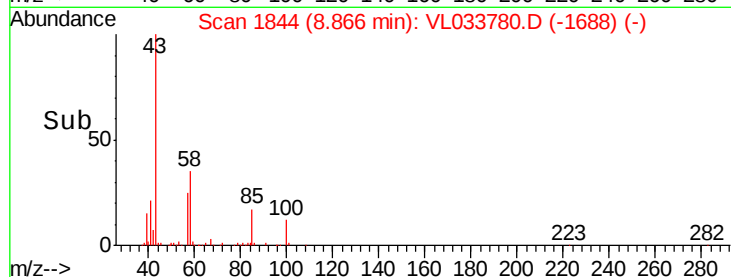
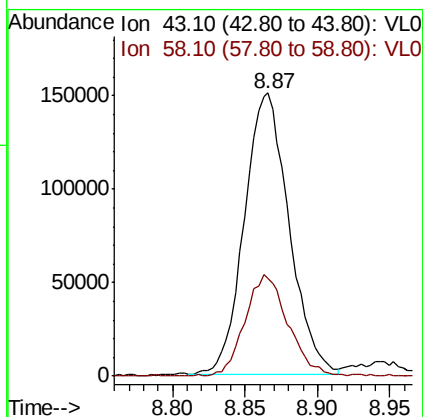
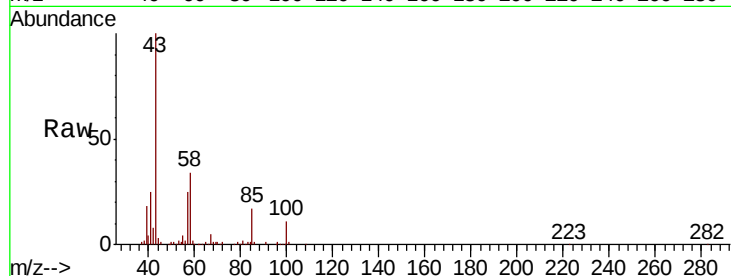
#50
4-Methyl-2-Pentanone
Concen: 1.407 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL033780.D
Acq: 23 May 2019 19:27

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.6	43.0

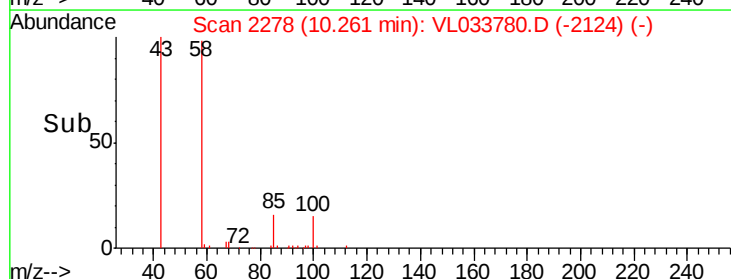
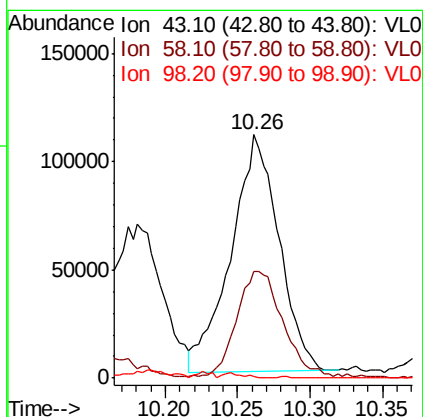
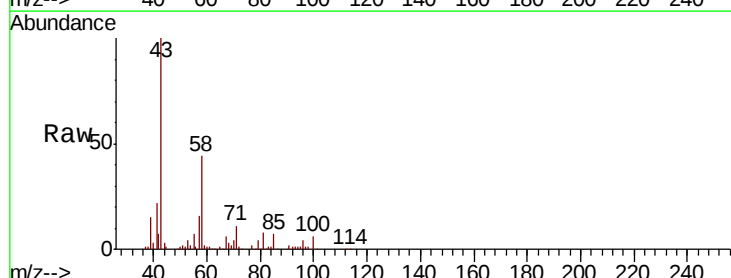
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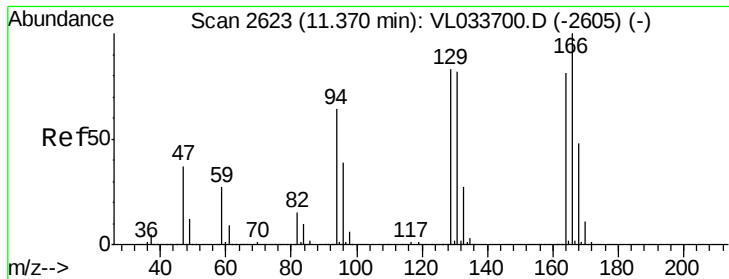
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#51
2-Hexanone
Concen: 1.405 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033780.D
Acq: 23 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.7	38.7	58.1
98	2.0	0.2	0.4#





#52

Tetrachloroethene

Concen: 0.302 ppbv

RT: 11.36 min Scan# 2620

Delta R.T. -0.01 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-25

Tot Ion:164 Resp: 23287

Ion Ratio Lower Upper

164 100

166 119.5 98.9 148.3

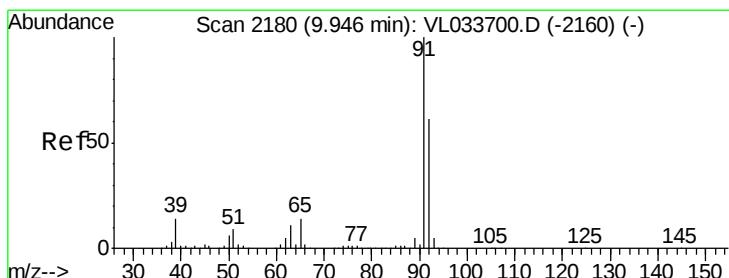
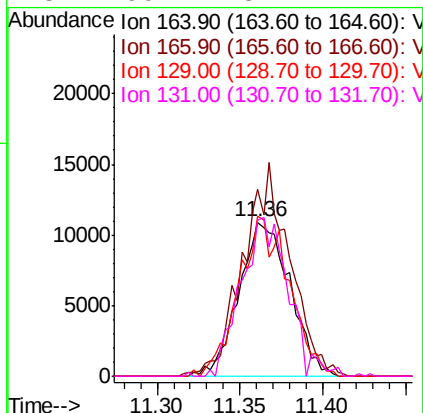
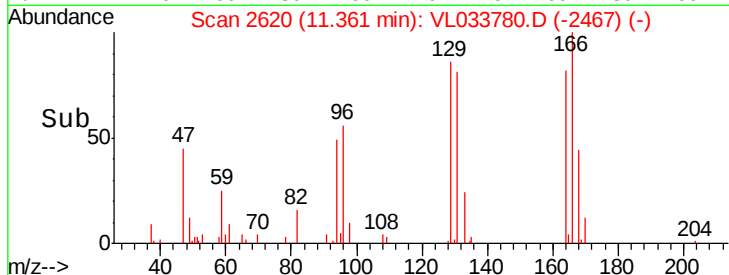
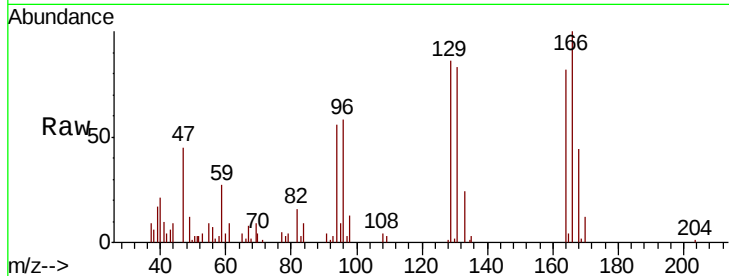
129 104.4 81.8 122.6

131 99.4 81.1 121.7

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#53

Toluene

Concen: 26.657 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033780.D

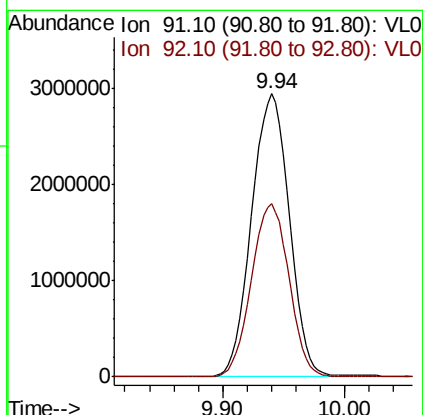
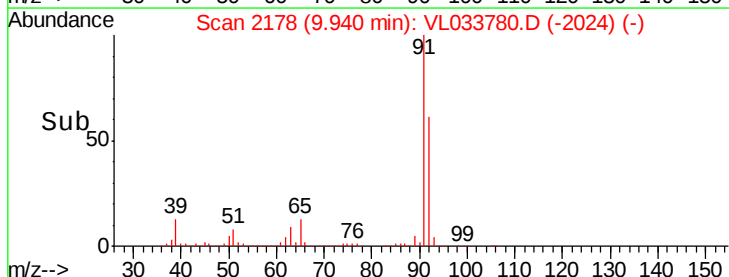
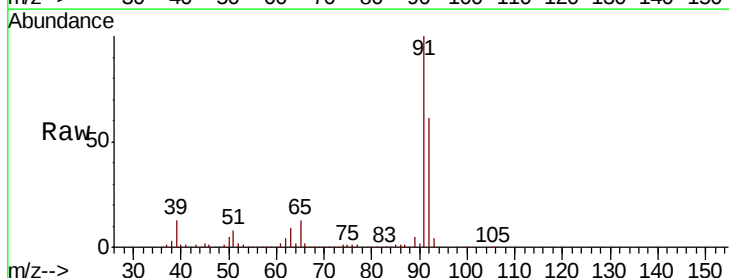
Acq: 23 May 2019 19:27

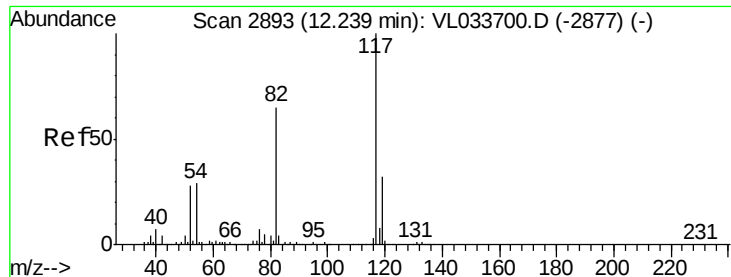
Tgt Ion: 91 Resp: 6300246

Ion Ratio Lower Upper

91 100

92 60.8 47.6 71.4





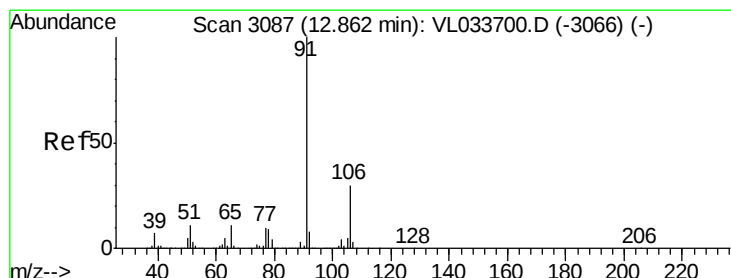
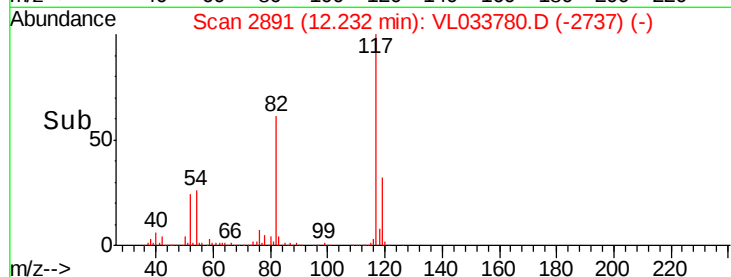
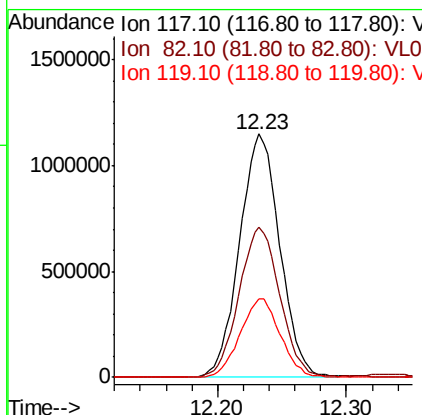
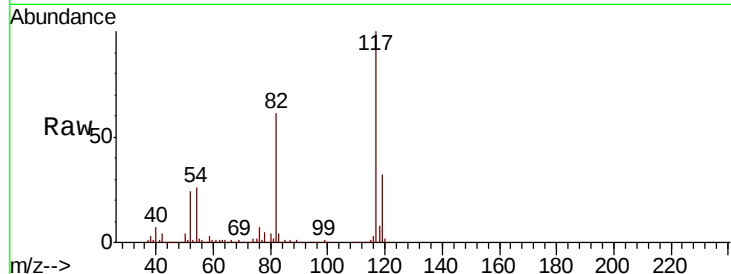
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033780.D
Acq: 23 May 2019 19:27

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	49.4	74.0
119	32.2	24.9	37.3

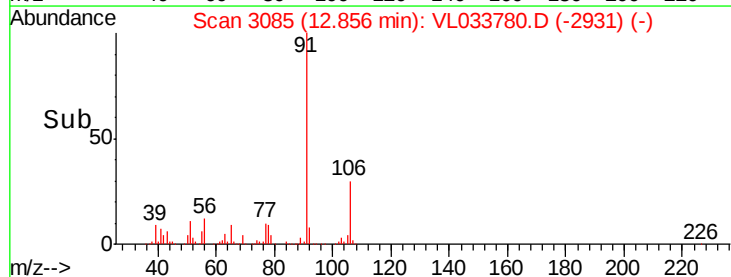
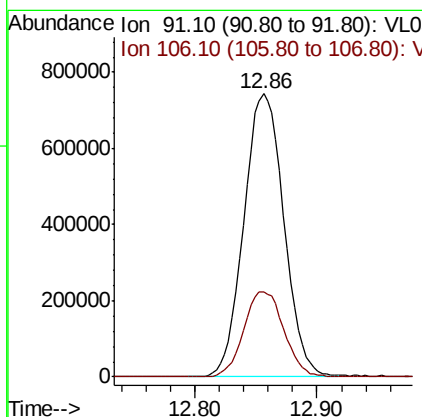
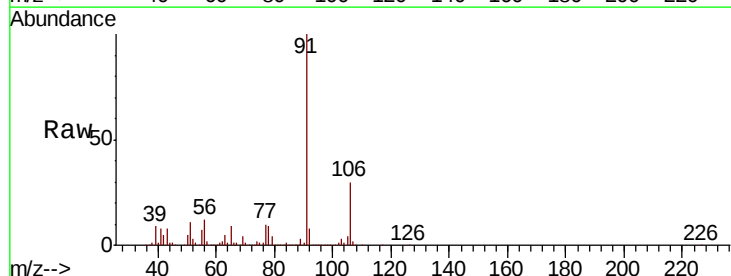
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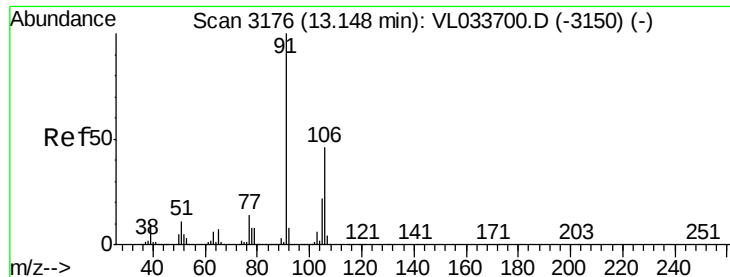
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#58
Ethyl Benzene
Concen: 5.081 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033780.D
Acq: 23 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9





#59

m/p-Xylene

Concen: 18.495 ppbv

RT: 13.11 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-25

Tot Ion: 91 Resp: 5341940

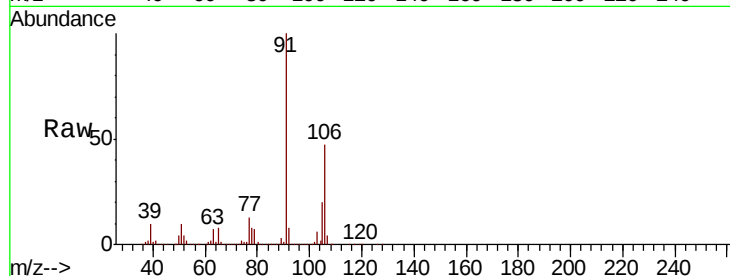
Ion Ratio Lower Upper

91 100

106 47.5 35.8 53.6

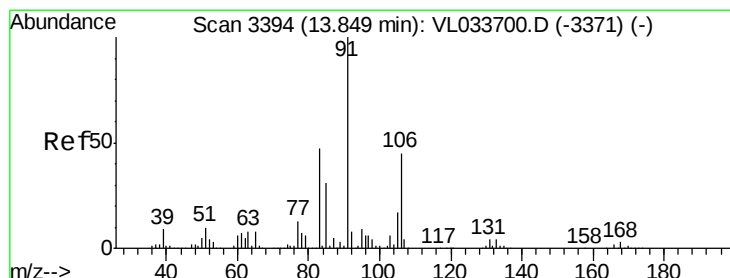
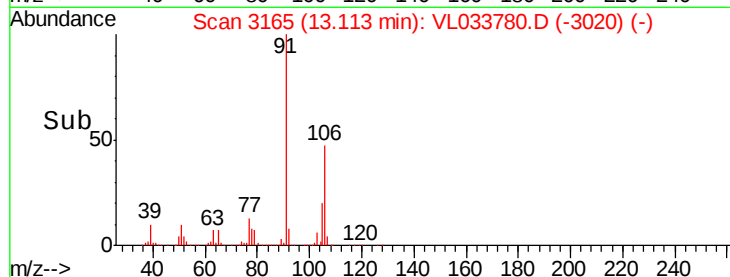
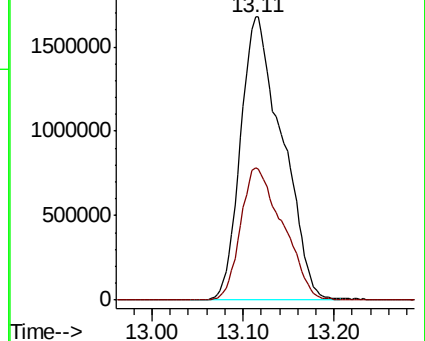
Manual Integrations
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5/28/2019 2:53:35 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 5.831 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL033780.D

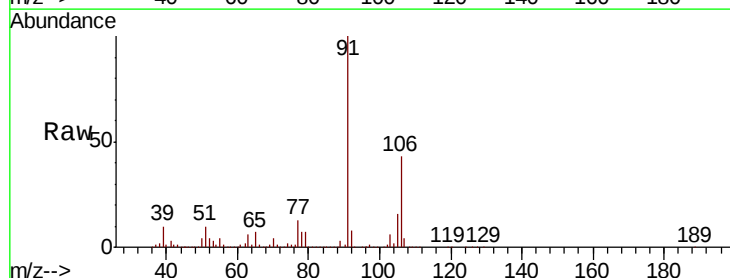
Acq: 23 May 2019 19:27

Tgt Ion: 91 Resp: 1697881

Ion Ratio Lower Upper

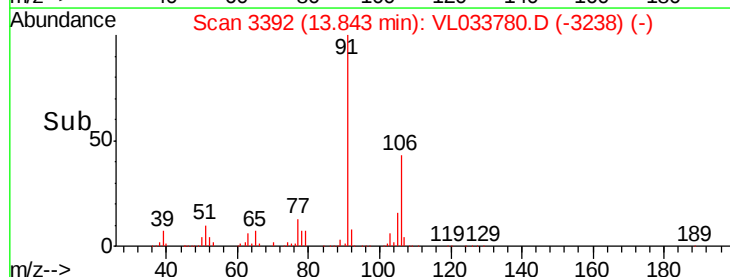
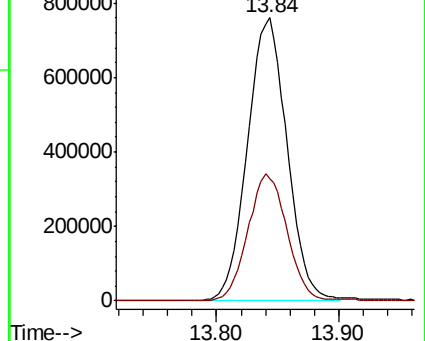
91 100

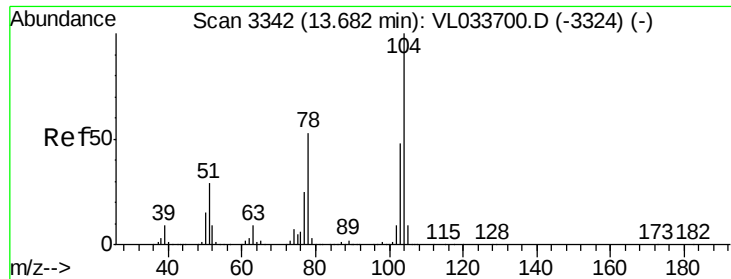
106 45.1 21.6 64.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.184 ppbv m

RT: 13.68 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

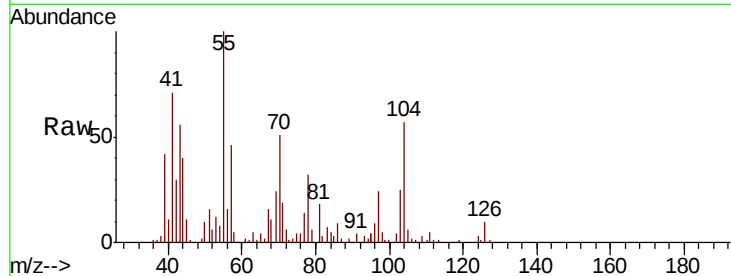
ClientSampleId :

BPS1-SG-3003-25

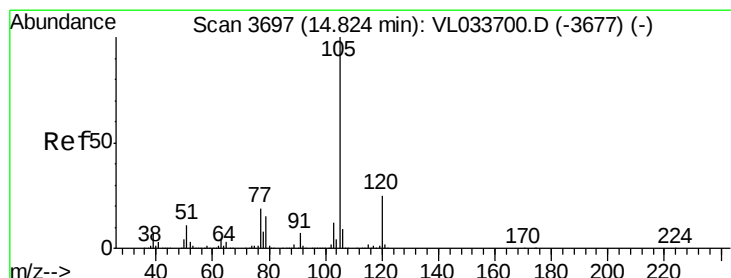
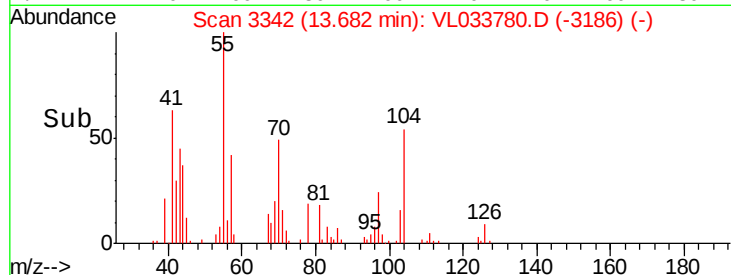
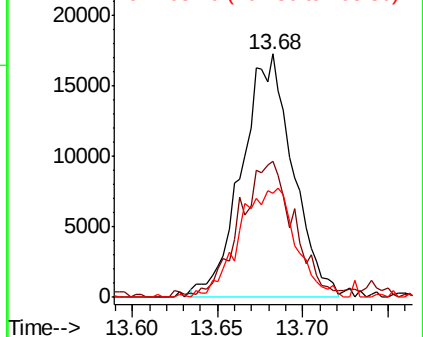
Tot Ion:	104	Resp:	36033
Ion Ratio	Lower	Upper	
104	100		
78	0.0	42.6	64.0#
103	0.0	37.8	56.6#

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Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.223 ppbv

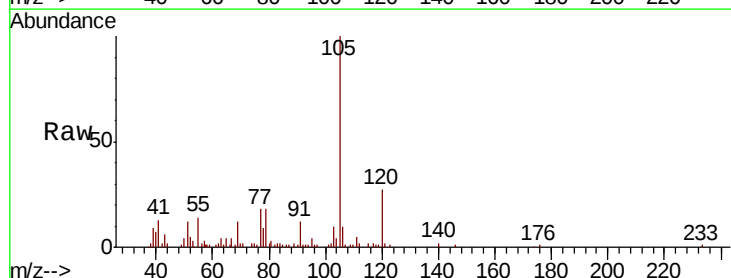
RT: 14.82 min Scan# 3695

Delta R.T. -0.01 min

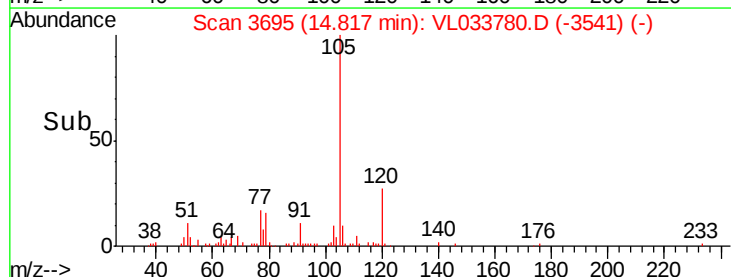
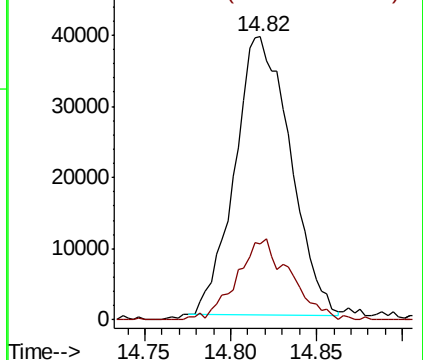
Lab File: VL033780.D

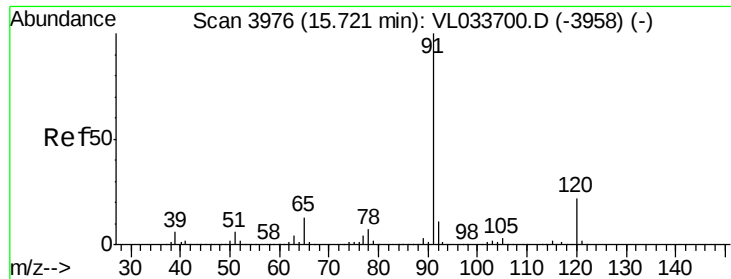
Acq: 23 May 2019 19:27

Tgt Ion:	105	Resp:	87564
Ion Ratio	Lower	Upper	
105	100		
120	28.2	20.1	30.1



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.829 ppbv

RT: 15.71 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-25

Tot Ion:120 Resp: 84034

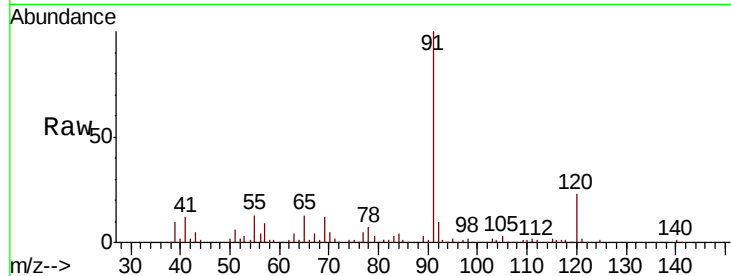
Ion Ratio Lower Upper

120 100

91 491.2 379.1 568.7

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Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

200000

150000

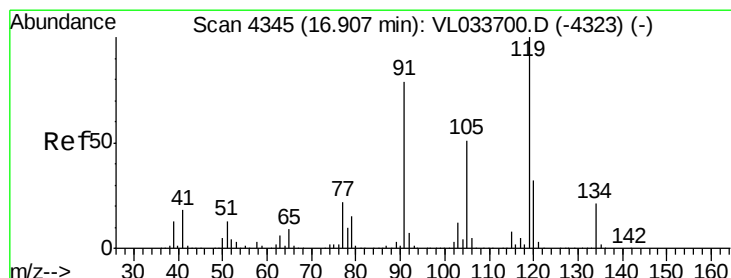
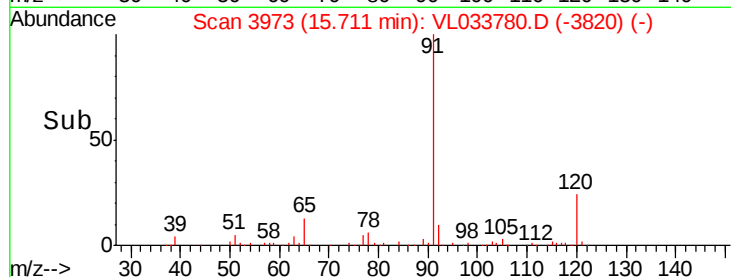
100000

50000

0

15.65 15.70 15.75

Time-->



#65

tert-Butylbenzene

Concen: 0.267 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

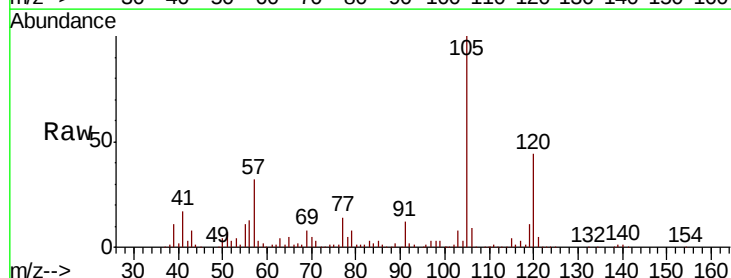
Tgt Ion:119 Resp: 95602

Ion Ratio Lower Upper

119 100

91 111.3 65.3 97.9#

134 0.0 15.7 23.5#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

50000

40000

30000

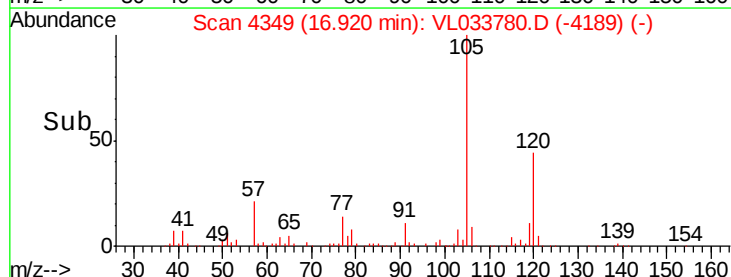
20000

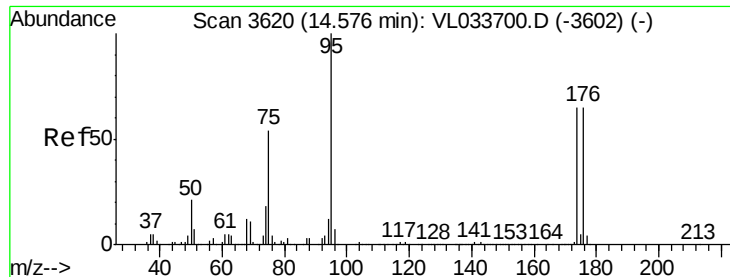
10000

0

16.85 16.90 16.95

Time-->





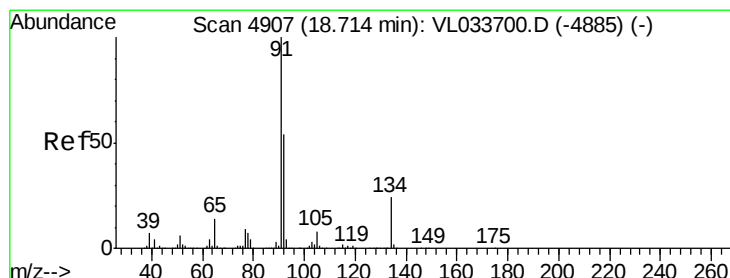
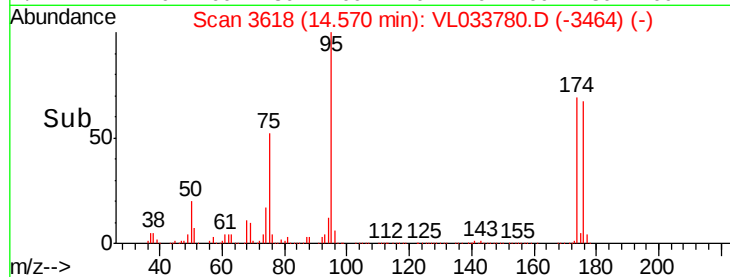
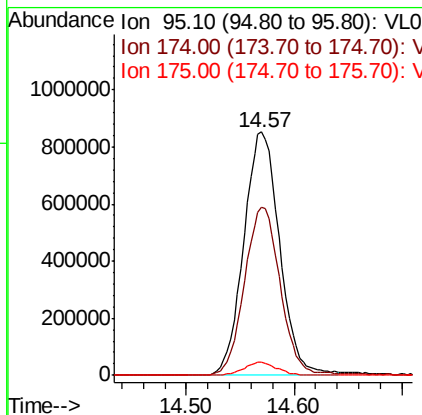
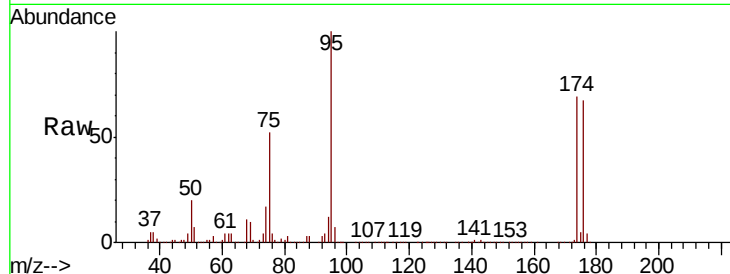
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.729 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033780.D
 Acq: 23 May 2019 19:27

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-25

Tot Ion: 95 Resp: 1967922
 Ion Ratio Lower Upper
 95 100
 174 69.7 53.9 80.9
 175 5.1 3.8 5.8

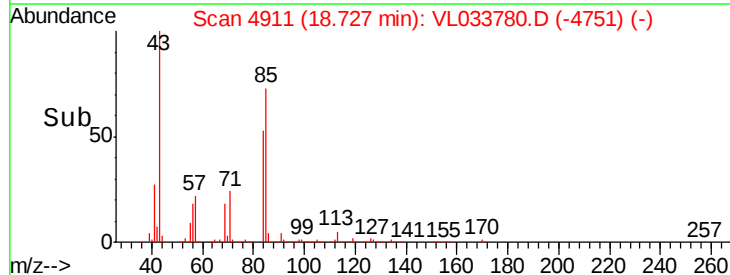
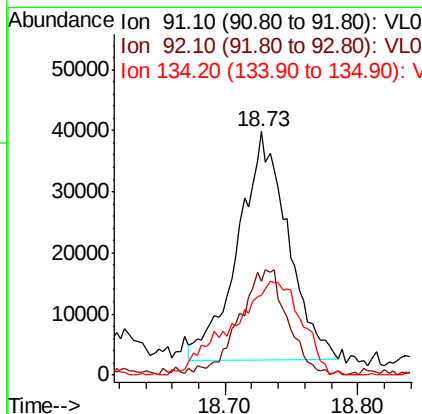
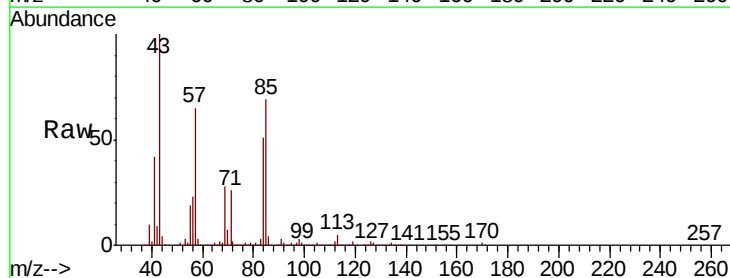
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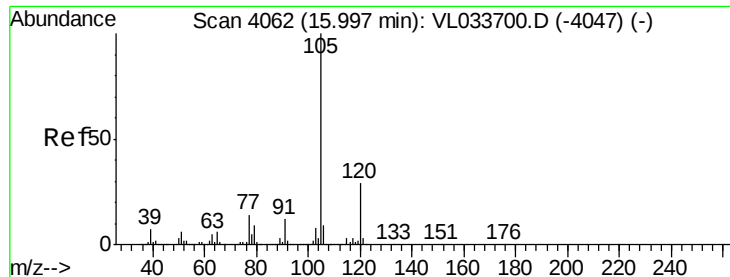
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#70
 n-Butylbenzene
 Concen: 0.221 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.01 min
 Lab File: VL033780.D
 Acq: 23 May 2019 19:27

Tgt Ion: 91 Resp: 98212
 Ion Ratio Lower Upper
 91 100
 92 45.8 42.6 63.8
 134 57.3 18.1 27.1#





#72

4-Ethyltoluene

Concen: 1.304 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

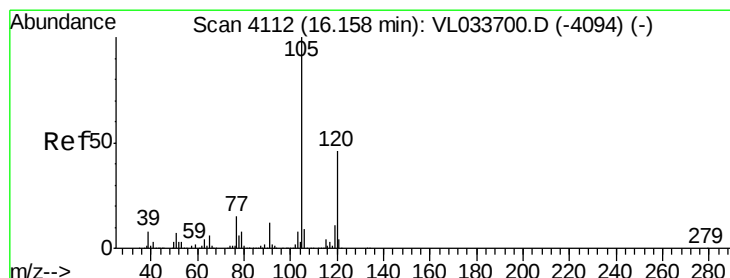
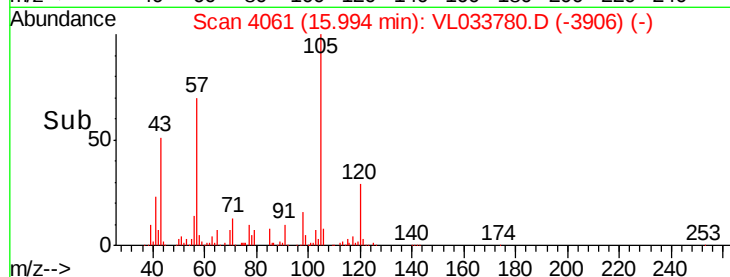
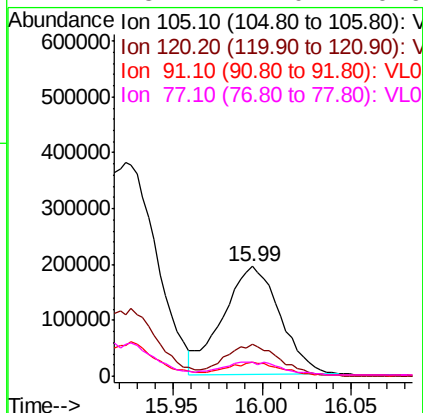
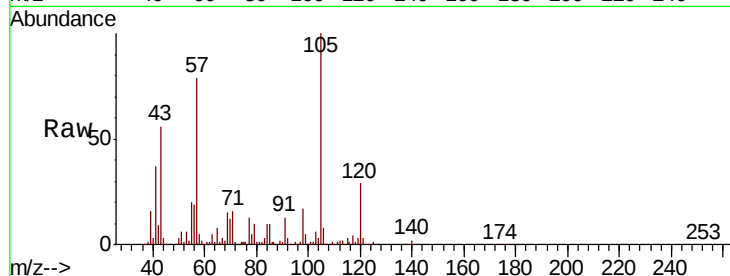
ClientSampleId :

BPS1-SG-3003-25

Tot Ion:	105	Resp:	434113
Ion Ratio	Lower	Upper	
105	100		
120	29.0	23.1	34.7
91	13.5	10.4	15.6
77	15.2	11.0	16.6

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#73

1,3,5-Trimethylbenzene

Concen: 0.824 ppbv

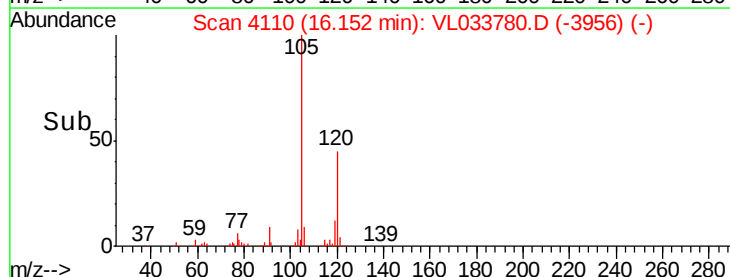
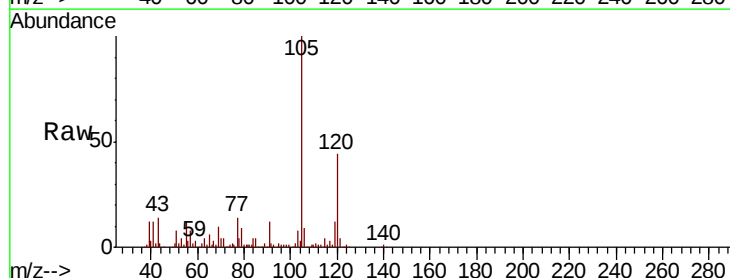
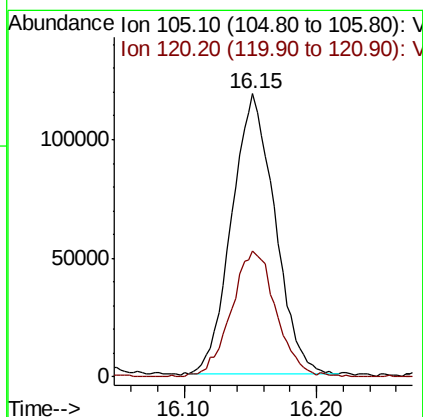
RT: 16.15 min Scan# 4110

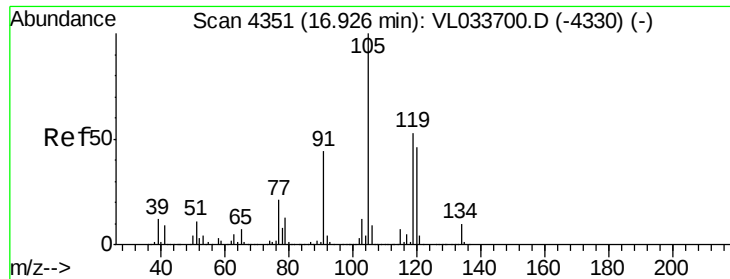
Delta R.T. -0.01 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Tgt Ion:	105	Resp:	267671
Ion Ratio	Lower	Upper	
105	100		
120	44.0	37.0	55.4





#74

1,2,4-Trimethylbenzene

Concen: 2.470 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

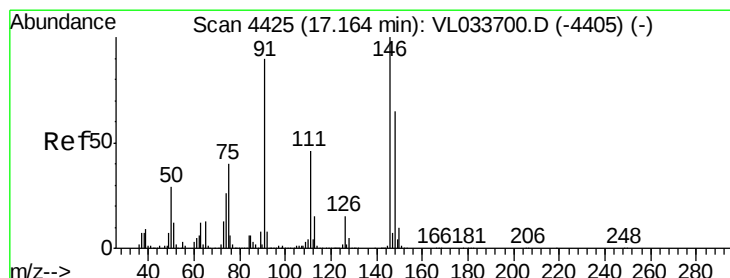
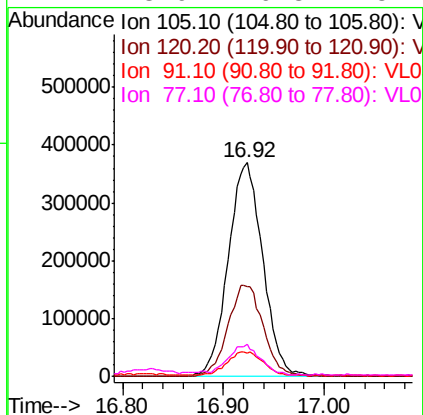
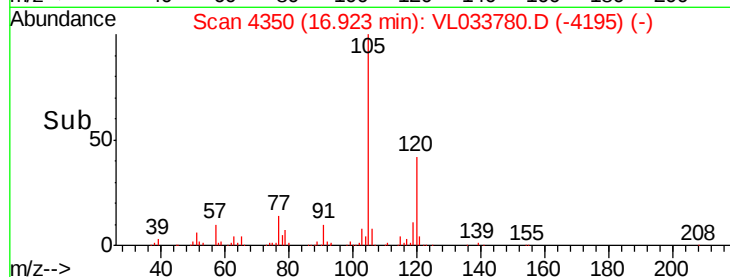
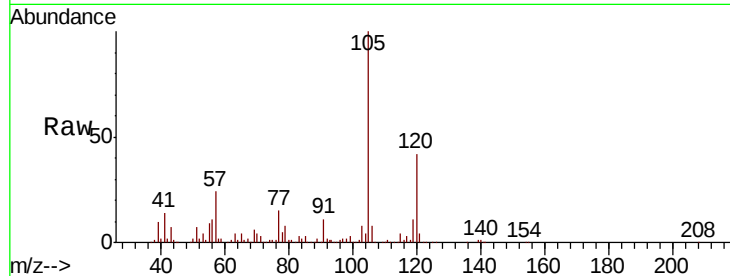
ClientSampleId :

BPS1-SG-3003-25

Tot Ion	Ratio	Resp	Lower	Upper
105	100	873087		
120	41.9		36.8	55.2
91	10.4		35.4	53.0#
77	13.9		16.8	25.2#

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#75

1,3-Dichlorobenzene

Concen: 0.115 ppbv m

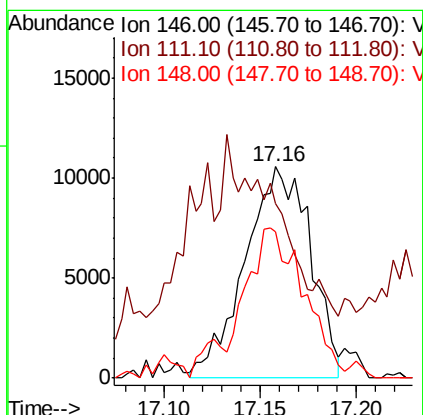
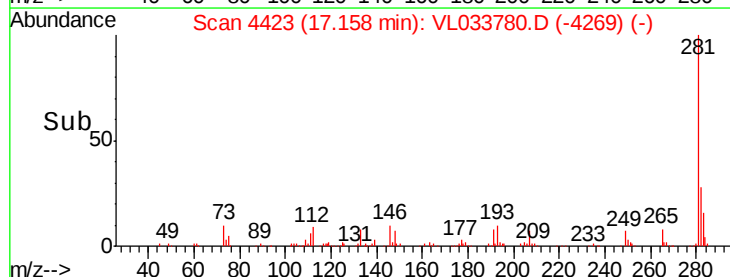
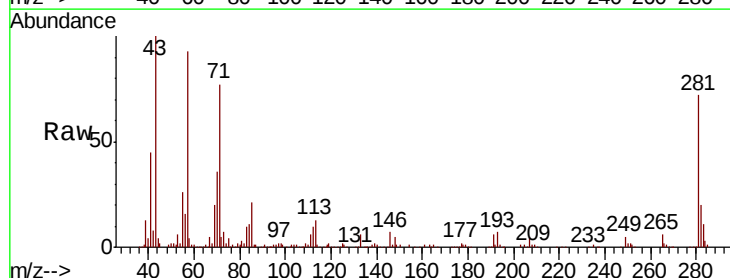
RT: 17.16 min Scan# 4423

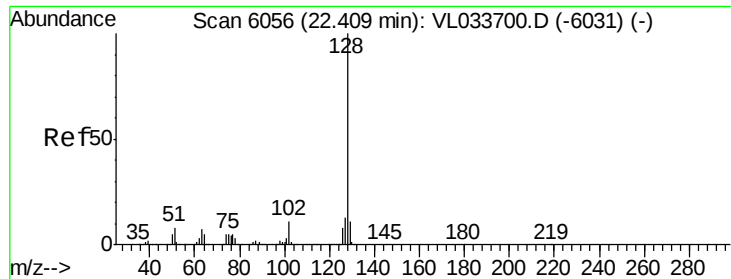
Delta R.T. -0.01 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	24968		
111	0.0		22.9	68.8#
148	75.1		32.0	96.2





#79

Naphthalene

Concen: 0.166 ppbv m

RT: 22.41 min Scan# 6057

Delta R.T. 0.00 min

Lab File: VL033780.D

Acq: 23 May 2019 19:27

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-25

Tot Ion:	128	Resp:	54556
Ion Ratio	Lower	Upper	
128	100		
127	16.8	10.6	16.0#
129	10.6	8.9	13.3

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