

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033778.D
 Acq On : 23 May 2019 18:07
 Operator : SY/AP
 Sample : K2929-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-55

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:53:31 AM

Quant Time: May 24 05:28:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 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	5.76	49	893044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2332098	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2412515	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1907974	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	35604	0.189	ppbv	98
3) Chlorodifluoromethane	3.01	51	22607m	0.221	ppbv	
4) Chloromethane	3.17	50	13197	0.226	ppbv	95
9) Propene	3.03	41	2258160	51.900	ppbv	93
10) Heptane	8.24	43	1003620	8.146	ppbv	99
11) Trichlorofluoromethane	4.00	101	80806	0.450	ppbv	96
13) Ethanol	3.65	45	439993	31.287	ppbv	99
15) Acetone	3.89	43	8501229	68.611	ppbv #	85
17) tert-Butyl alcohol	4.36	59	310343	3.097	ppbv #	94
20) Methylene Chloride	4.41	84	11245m	0.236	ppbv	
26) Hexane	5.78	57	761213	8.135	ppbv #	56
27) Carbon Disulfide	4.62	76	610285	4.754	ppbv	99
29) Chloroform	5.85	83	124814	0.724	ppbv	93
30) Cyclohexane	7.25	84	121739m	1.548	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	20645m	0.120	ppbv	
34) 2-Butanone	5.32	43	1098572	7.600	ppbv	98
35) Carbon Tetrachloride	7.13	117	5928m	0.032	ppbv	
36) Benzene	7.00	78	1050854	4.954	ppbv	97
38) Trichloroethene	7.95	130	3698m	0.047	ppbv	
41) Tetrahydrofuran	6.15	42	34254	0.423	ppbv	91
44) 2,2,4-Trimethylpentane	7.98	57	486517	1.357	ppbv #	76
50) 4-Methyl-2-Pentanone	8.87	43	299940	1.349	ppbv	98
51) 2-Hexanone	10.26	43	246290	1.419	ppbv #	76
52) Tetrachloroethene	11.36	164	19267m	0.258	ppbv	
53) Toluene	9.94	91	9422938	41.182	ppbv	96
58) Ethyl Benzene	12.86	91	2282266	7.144	ppbv	98
59) m/p-Xylene	13.12	91	6646172	23.798	ppbv	96
60) o-Xylene	13.84	91	2120872	7.533	ppbv	97
61) Styrene	13.68	104	47600	0.251	ppbv #	87
62) Isopropylbenzene	14.81	105	127180m	0.335	ppbv	
64) n-propylbenzene	15.72	120	98856m	1.008	ppbv	
65) tert-Butylbenzene	16.92	119	139785	0.404	ppbv #	68
67) sec-Butylbenzene	17.46	105	36079m	0.074	ppbv	
70) n-Butylbenzene	18.73	91	127524m	0.297	ppbv	
72) 4-Ethyltoluene	15.99	105	539640	1.676	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	360865	1.149	ppbv	95
74) 1,2,4-Trimethylbenzene	16.92	105	1289768	3.773	ppbv #	74
76) 1,4-Dichlorobenzene	17.31	146	19544m	0.098	ppbv	
79) Naphthalene	22.41	128	101200m	0.319	ppbv	

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Manual Integrations
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Quant Time: May 24 05:28:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

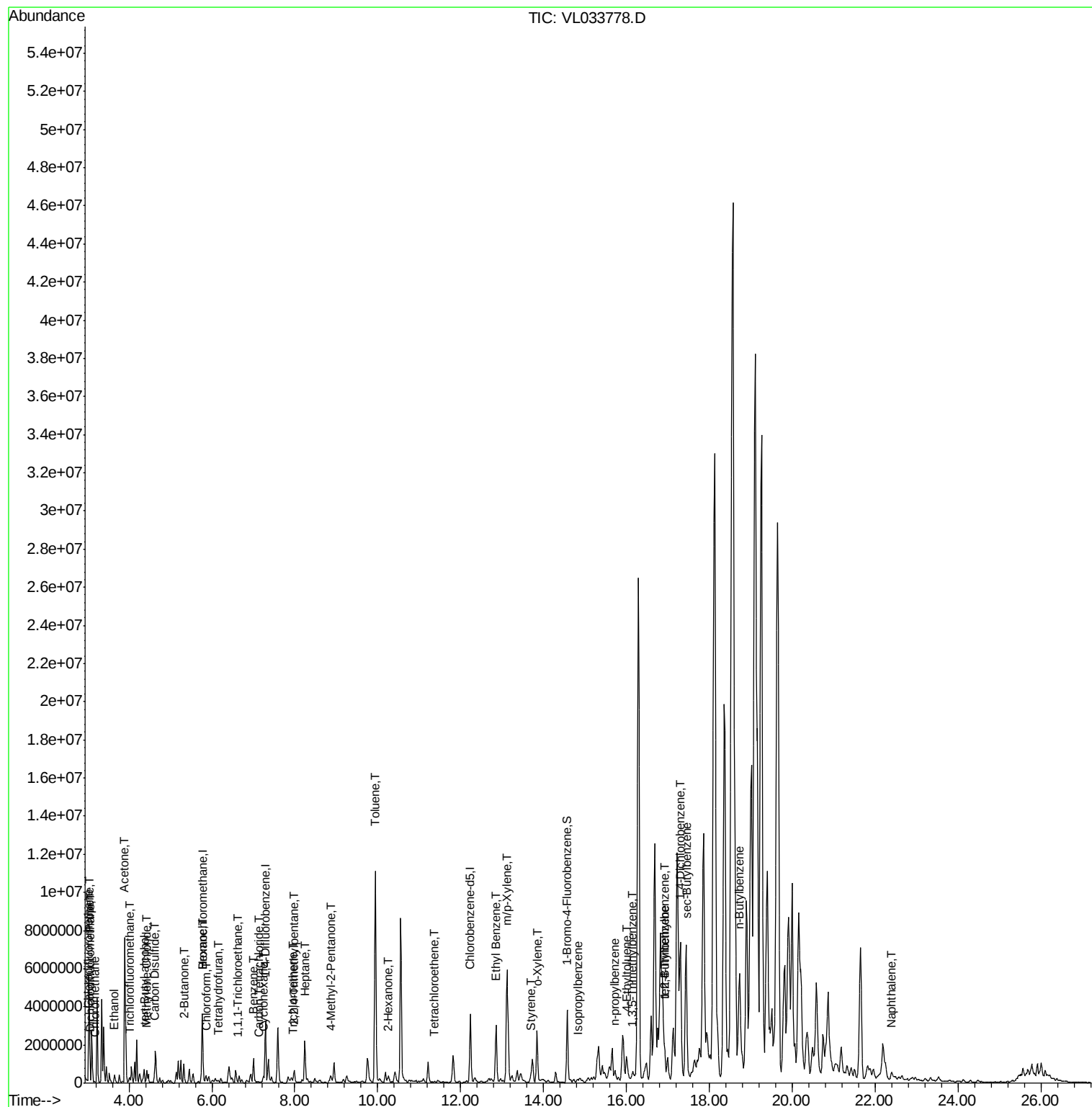
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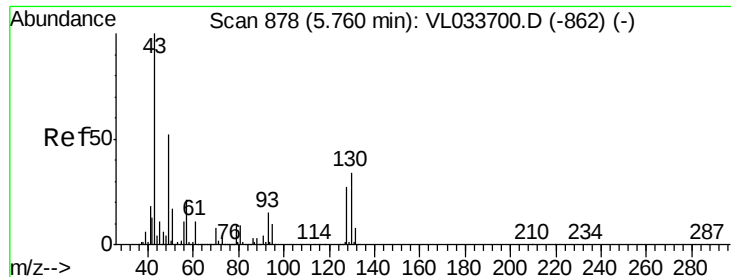
Instrument :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

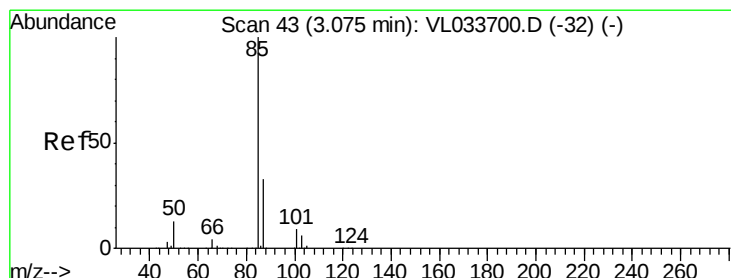
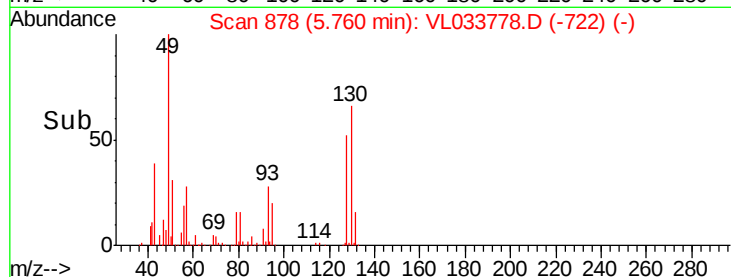
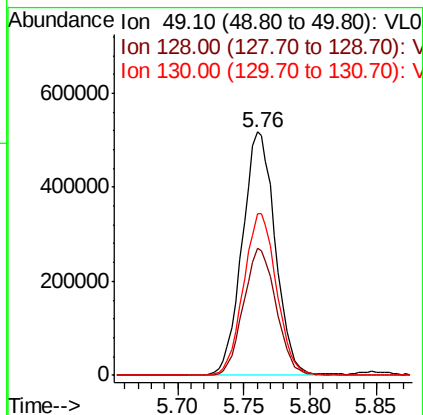
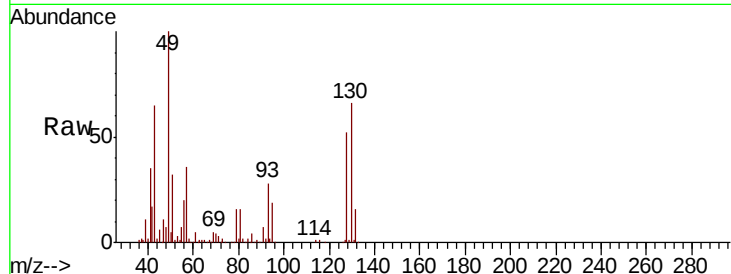
ClientSampleId :

BPS1-SG-3003-55

Tot Ion:	49	Resp:	893044
Ion	Ratio	Lower	Upper
49	100		
128	52.0	25.2	75.6
130	66.5	32.5	97.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.189 ppbv

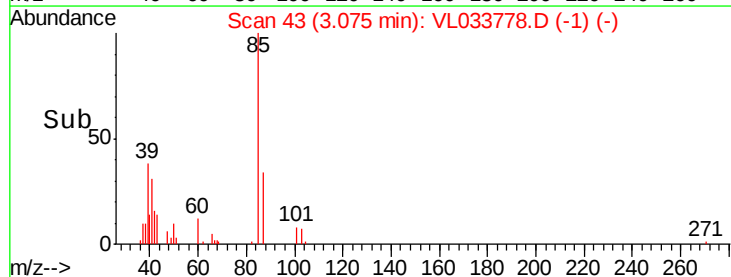
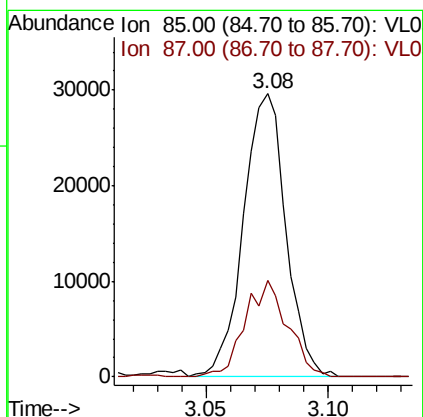
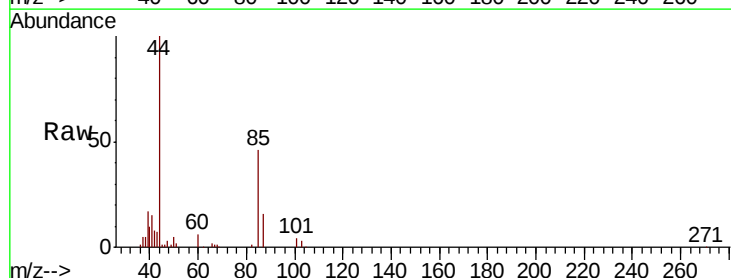
RT: 3.08 min Scan# 43

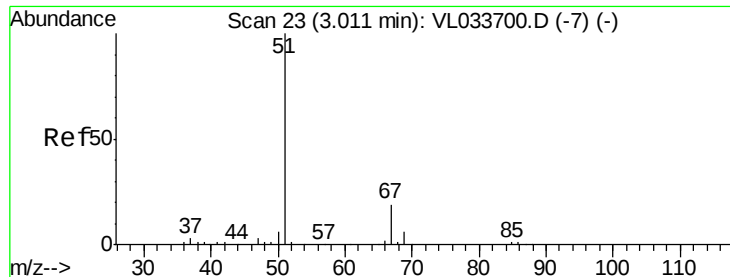
Delta R.T. 0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Tgt Ion:	85	Resp:	35604
Ion	Ratio	Lower	Upper
85	100		
87	34.3	26.3	39.5





#3

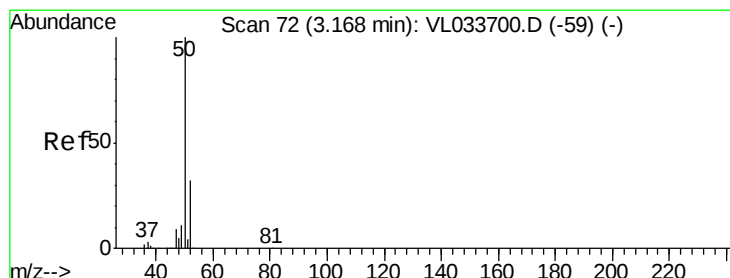
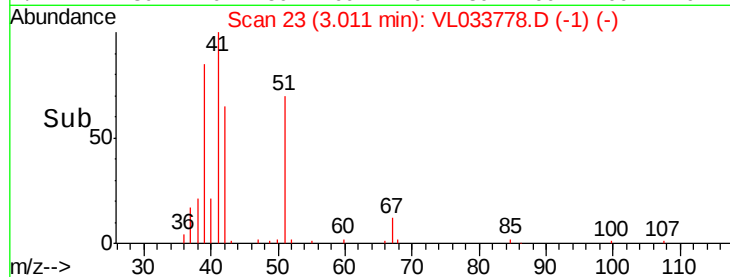
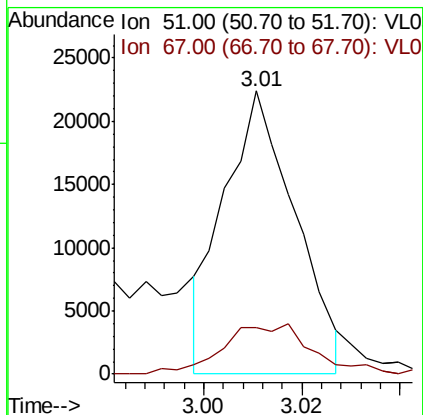
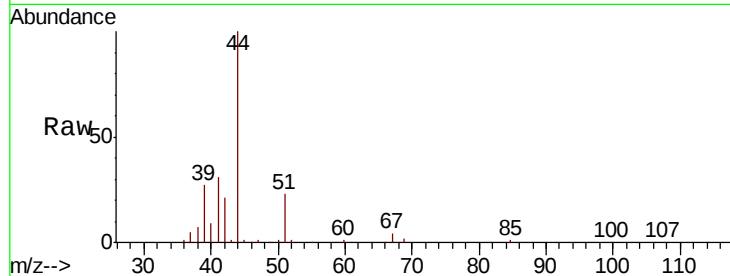
Chlorodifluoromethane
 Concen: 0.221 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-55

Tot Ion	Ratio	Lower	Upper
51	100		
67	23.0	15.6	23.4

Manual Integrations
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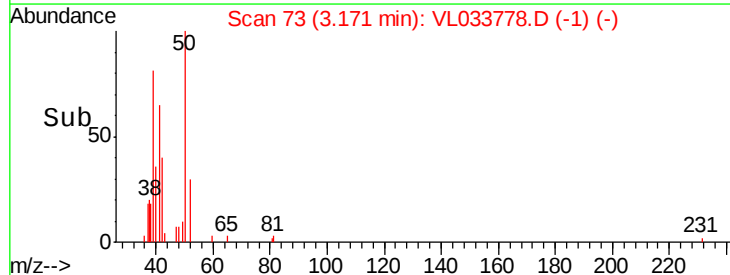
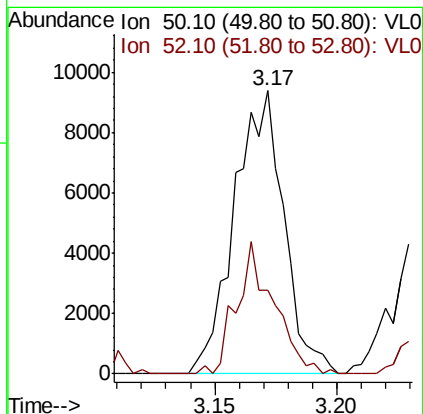
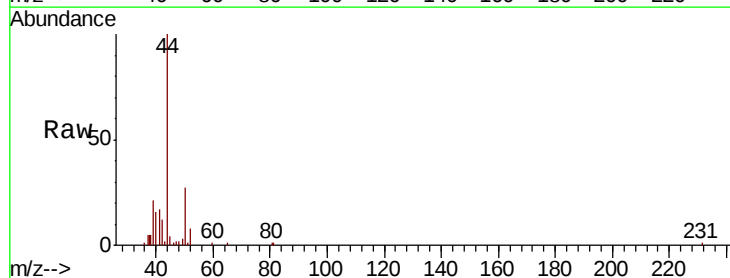
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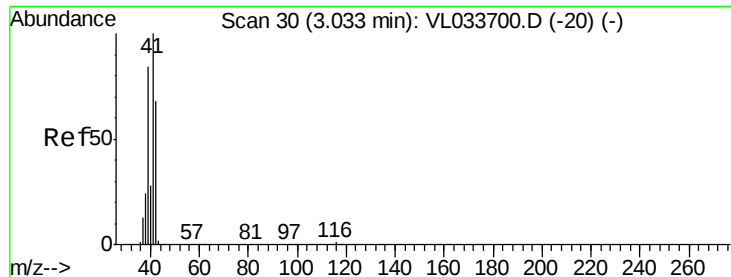


#4

Chloromethane
 Concen: 0.226 ppbv
 RT: 3.17 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.4	25.7	38.5





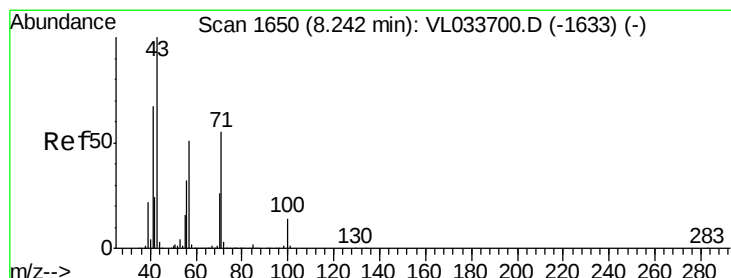
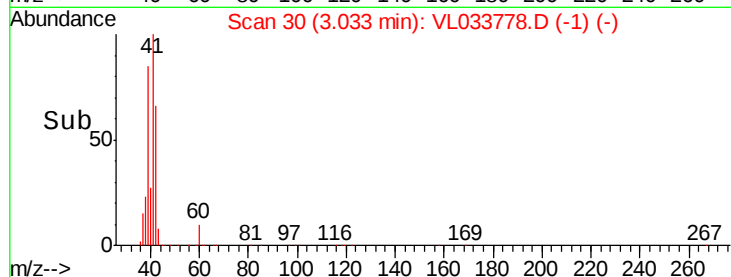
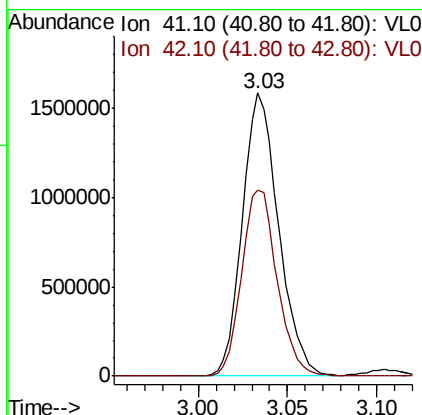
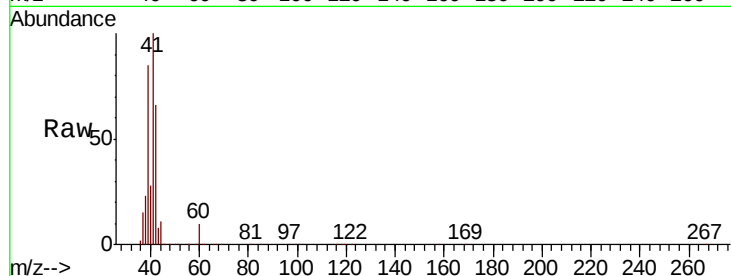
#9
 Propene
 Concen: 51.900 ppbv
 RT: 3.03 min Scan# 30
 Delta R.T. 0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-55

Tot Ion: 41 Resp: 2258160
 Ion Ratio Lower Upper
 41 100
 42 64.6 56.1 84.1

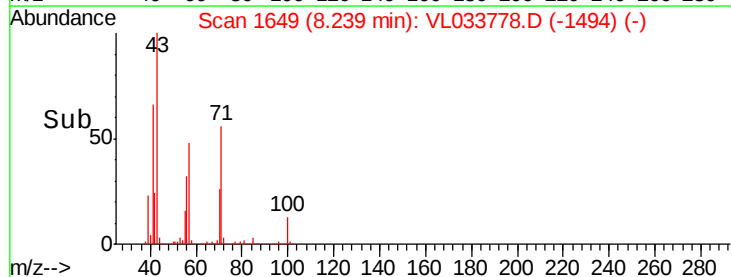
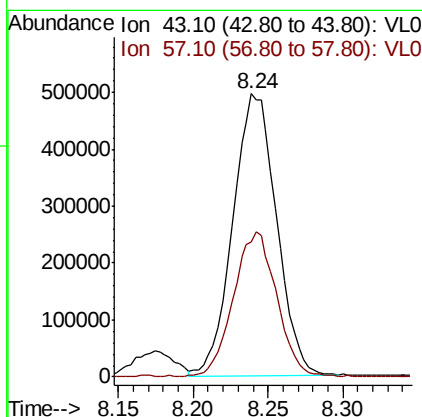
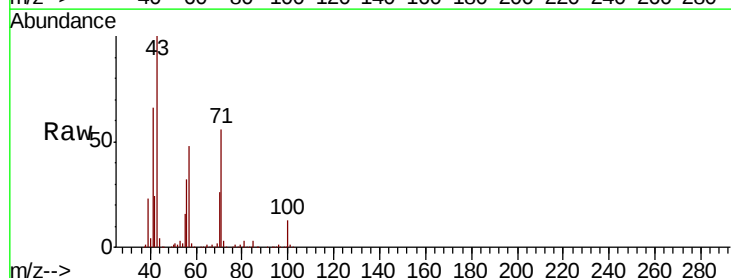
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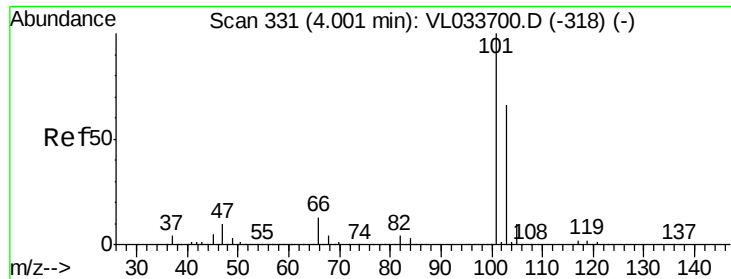
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#10
 Heptane
 Concen: 8.146 ppbv
 RT: 8.24 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Tgt Ion: 43 Resp: 1003620
 Ion Ratio Lower Upper
 43 100
 57 50.9 41.4 62.0





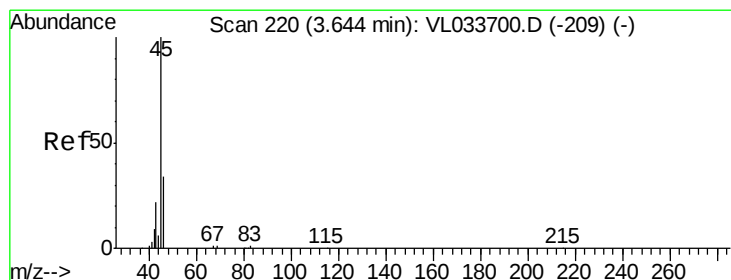
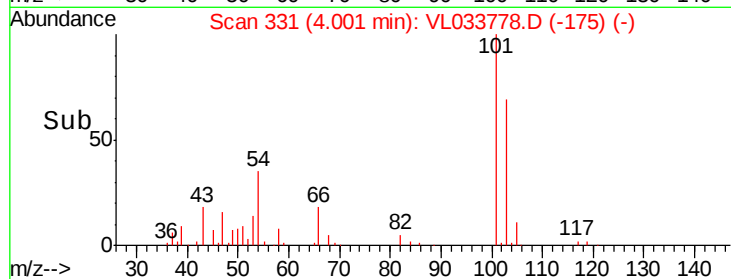
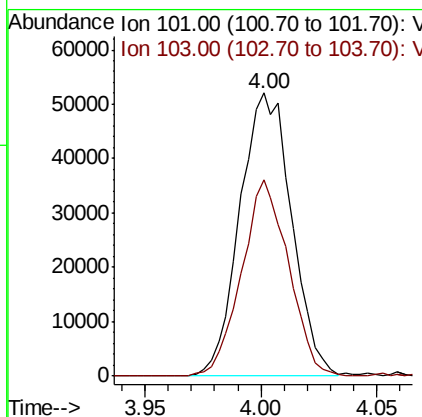
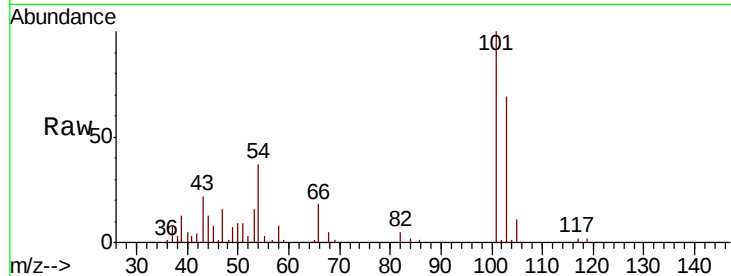
#11
 Trichlorofluoromethane
 Concen: 0.450 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-55

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		80806		
103	69.2	52.6	78.8		

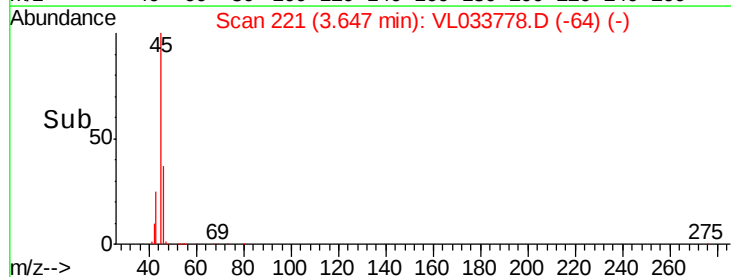
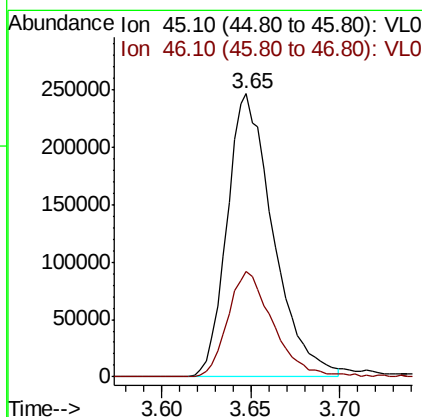
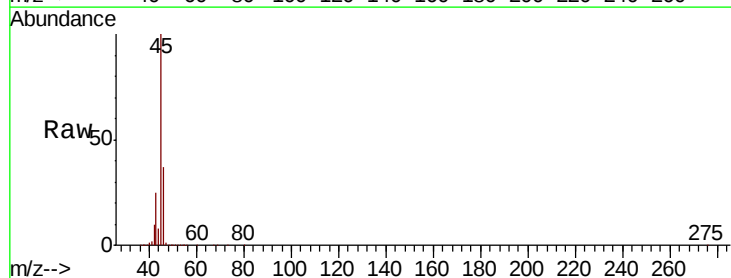
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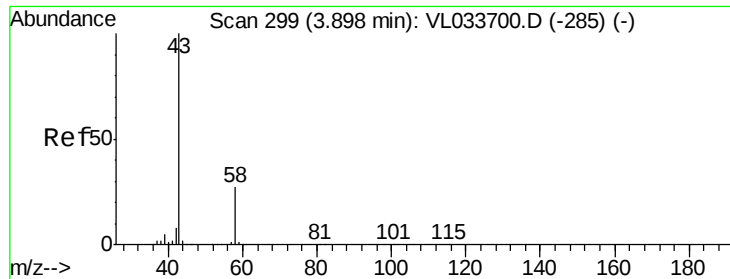
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#13
 Ethanol
 Concen: 31.287 ppbv
 RT: 3.65 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		439993		
46	37.5	14.8	59.0		





#15

Acetone

Concen: 68.611 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-55

Tot Ion: 43 Resp: 8501229

Ion Ratio Lower Upper

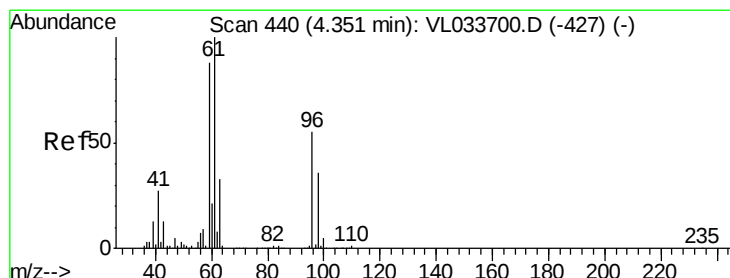
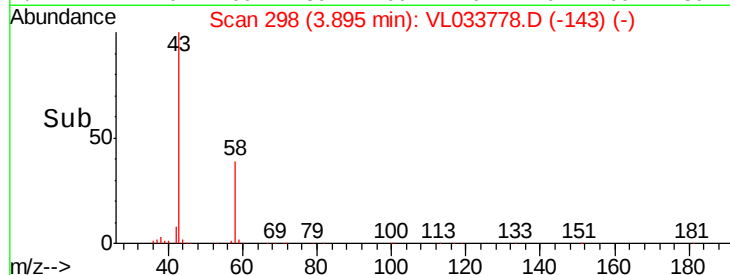
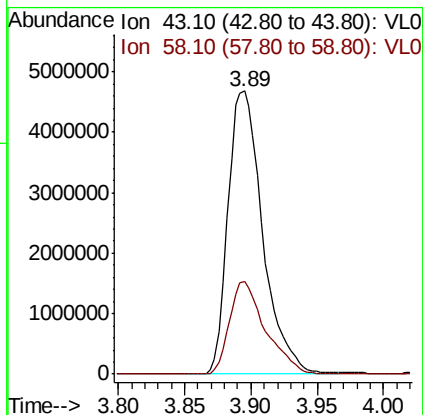
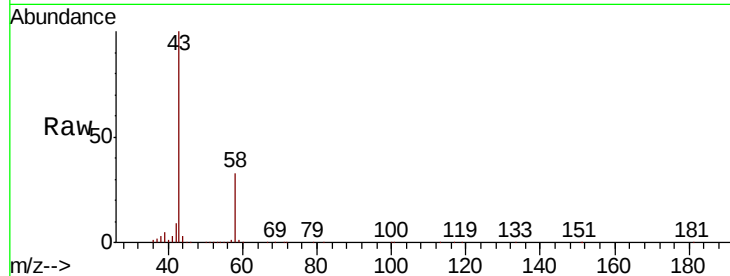
43 100

58 34.2 21.3 31.9#

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#17

tert-Butyl alcohol

Concen: 3.097 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.01 min

Lab File: VL033778.D

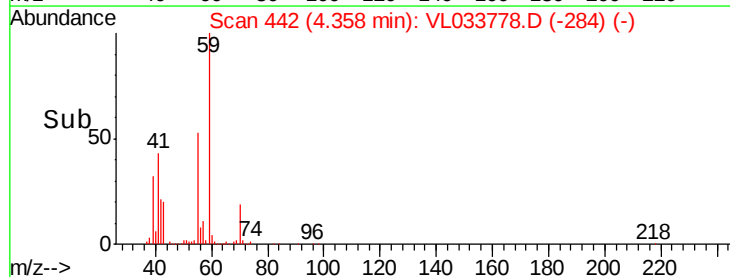
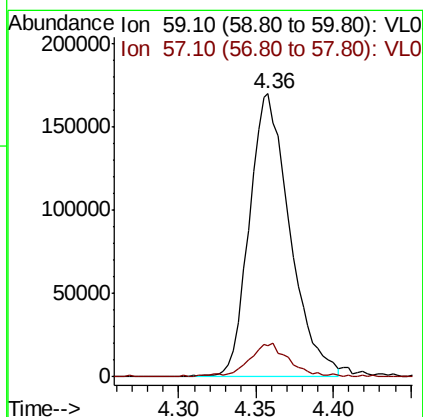
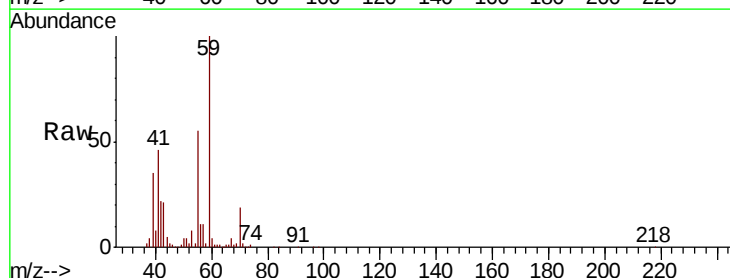
Acq: 23 May 2019 18:07

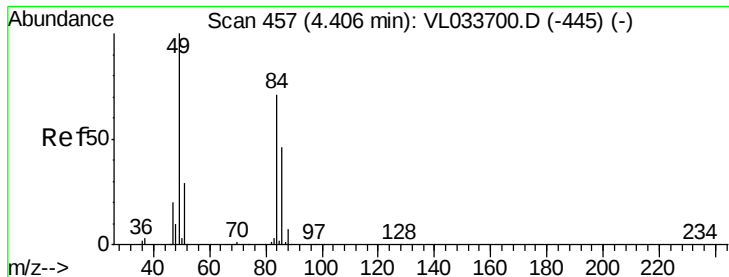
Tgt Ion: 59 Resp: 310343

Ion Ratio Lower Upper

59 100

57 12.6 8.4 12.6#





#20

Methylene Chloride

Concen: 0.236 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.01 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

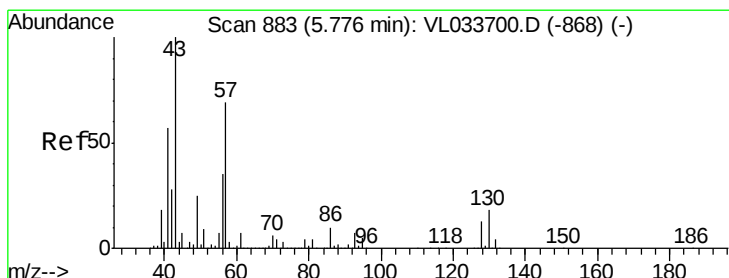
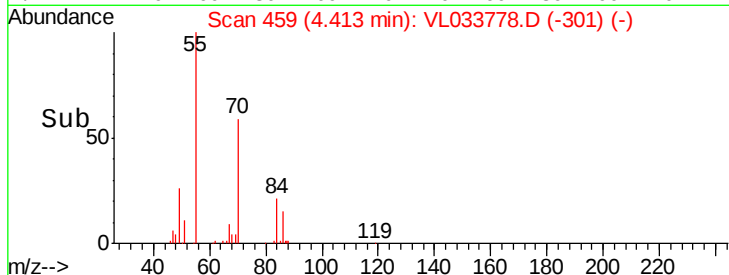
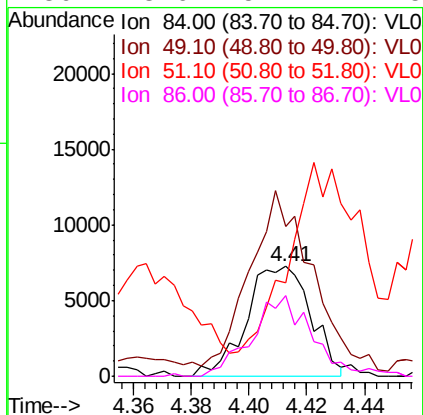
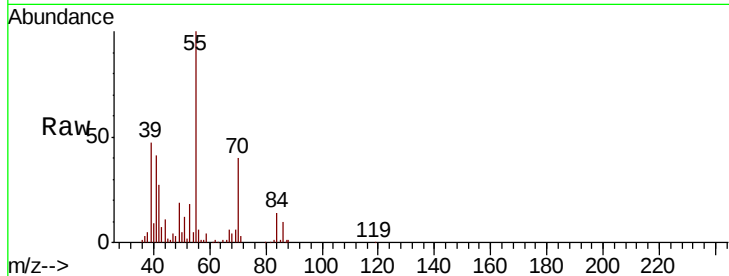
ClientSampled :

BPS1-SG-3003-55

Tot Ion:	84	Resp:	11245
Ion	Ratio	Lower	Upper
84	100		
49	136.4	112.8	169.2
51	85.8	33.4	50.0#
86	73.6	51.7	77.5

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#26

Hexane

Concen: 8.135 ppbv

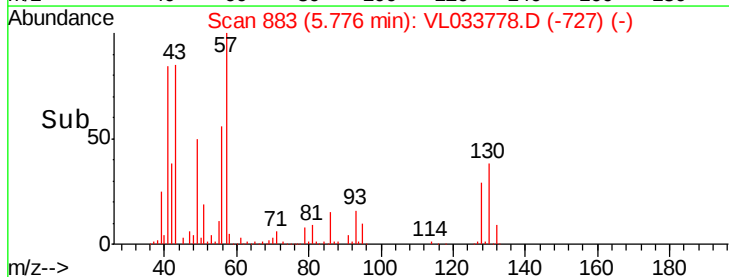
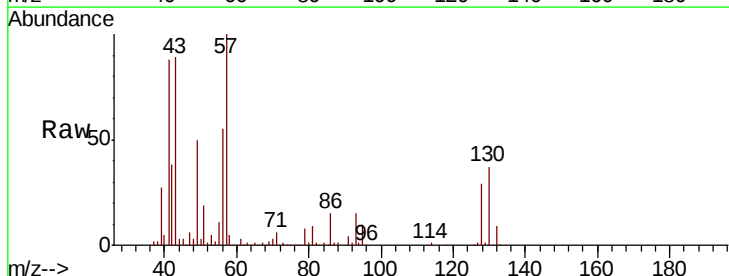
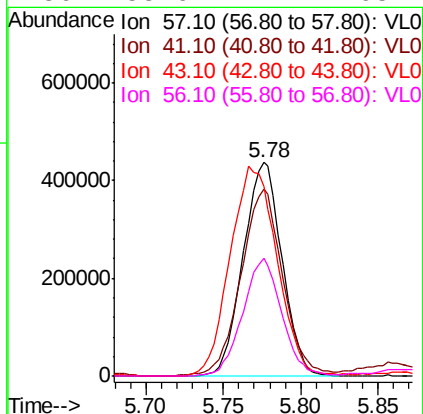
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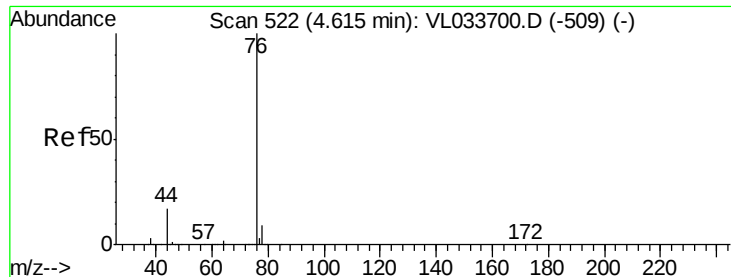
Delta R.T. 0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Tgt Ion:	57	Resp:	761213
Ion	Ratio	Lower	Upper
57	100		
41	94.7	69.8	104.6
43	118.3	181.8	272.6#
56	55.6	42.1	63.1





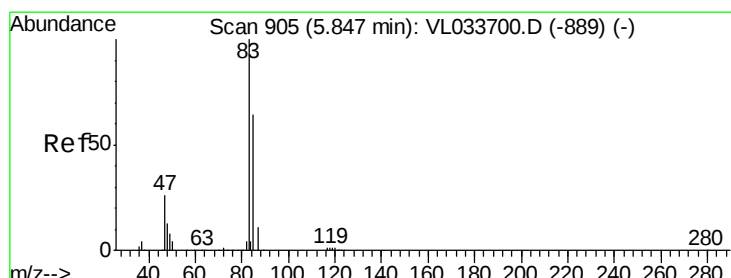
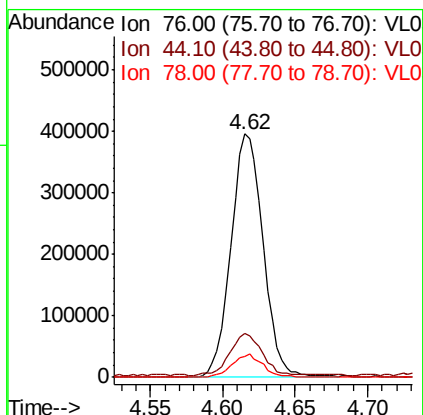
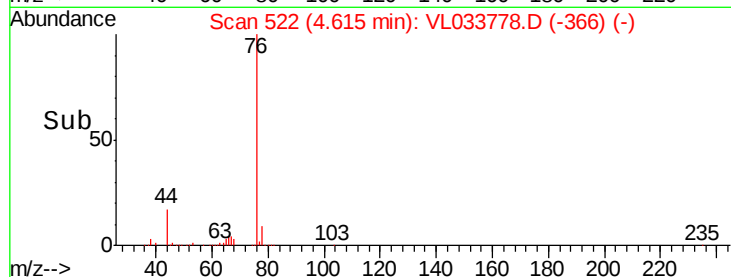
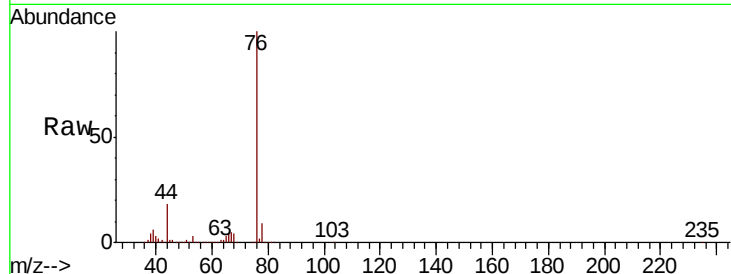
#27
Carbon Disulfide
Concen: 4.754 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-55

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.6	13.8	20.8
78	9.0	7.4	11.0

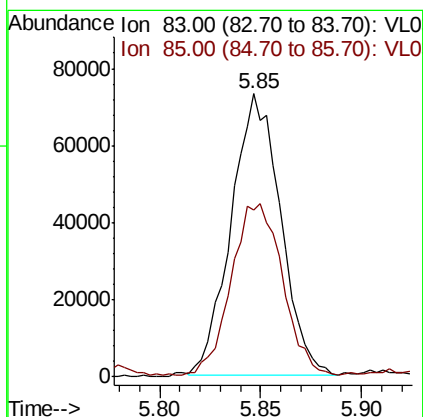
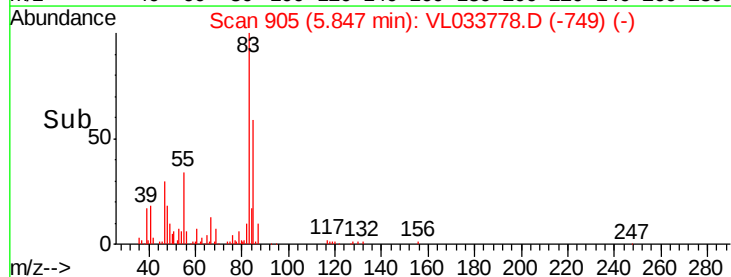
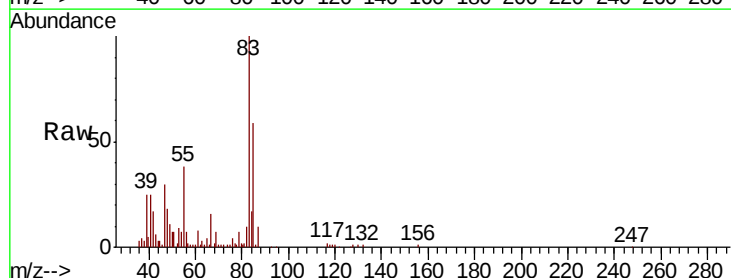
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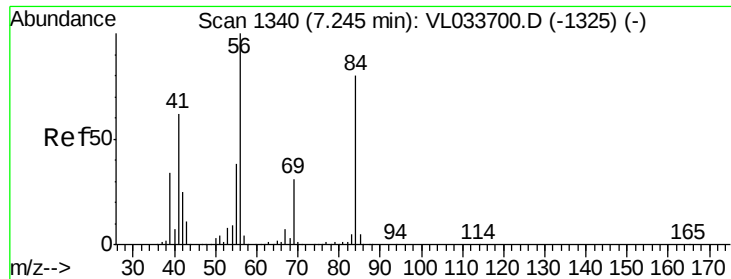
MMDadoda
5/28/2019 2:53:31 AM



#29
Chloroform
Concen: 0.724 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.7	51.5	77.3





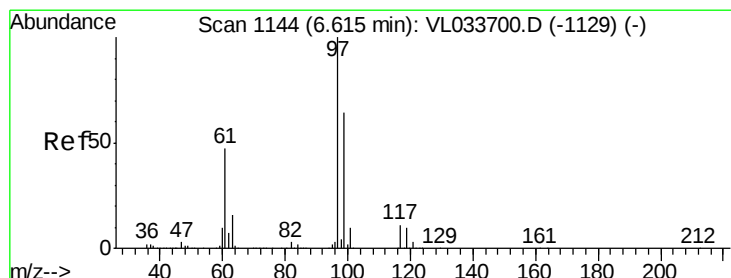
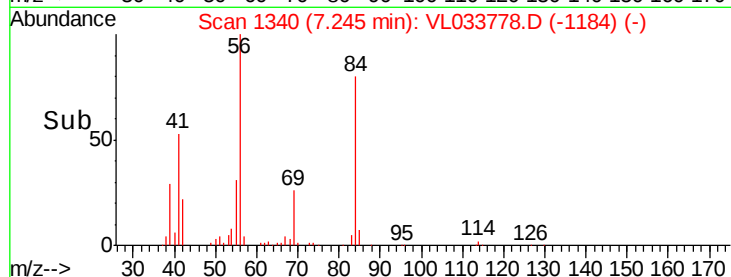
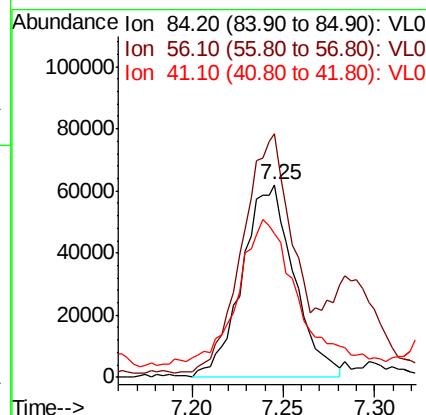
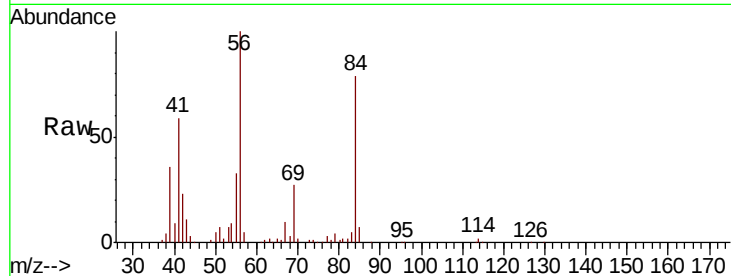
#30
Cyclohexane
Concen: 1.548 ppbv m
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Instrument :
MSVOA_L
ClientSampled :
BPS1-SG-3003-55

Tot Ion	Ratio	Lower	Upper
84	100		
56	137.6	107.7	161.5
41	0.0	66.0	99.0#

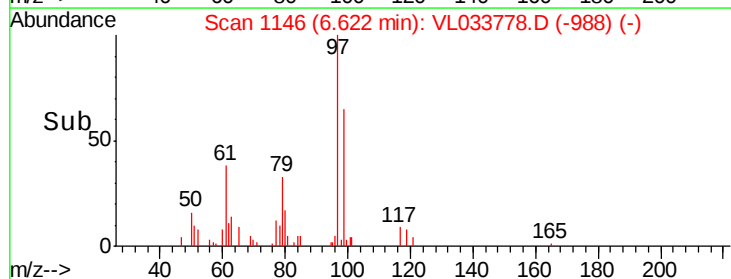
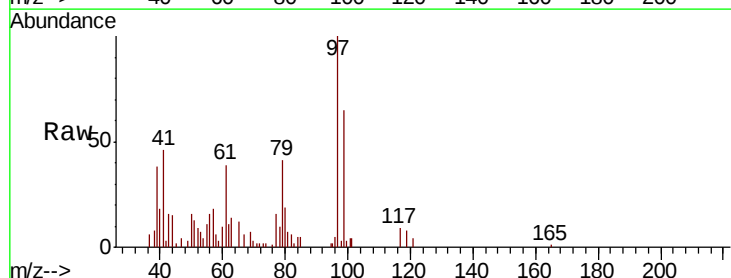
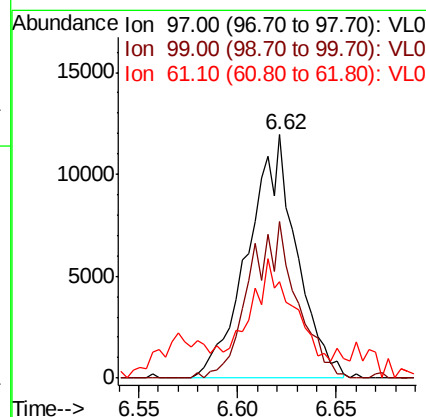
Manual Integrations
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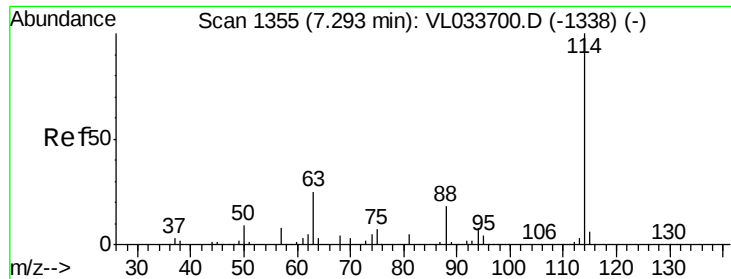
MMDadoda
5/28/2019 2:53:31 AM



#32
1,1,1-Trichloroethane
Concen: 0.120 ppbv m
RT: 6.62 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	57.6	37.8	56.8#





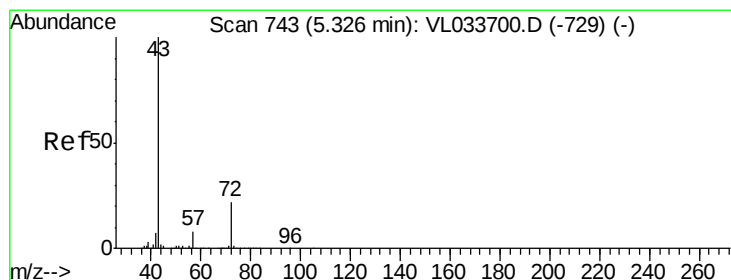
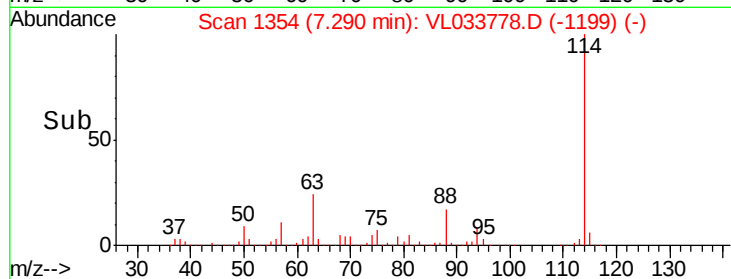
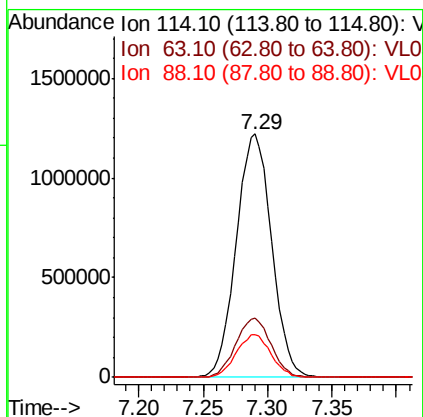
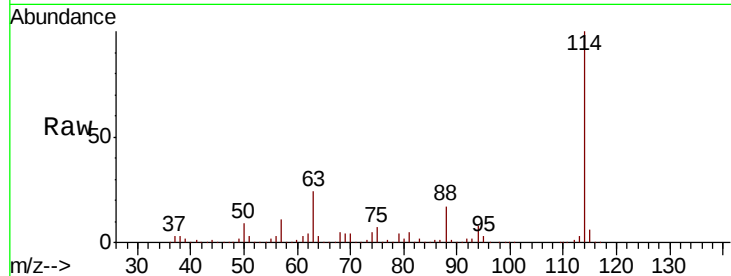
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-55

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	20.9	31.3
88	17.4	14.3	21.5

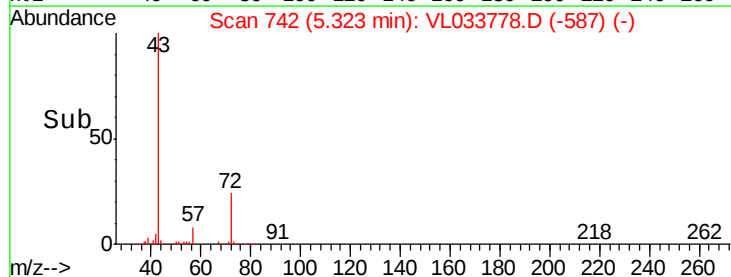
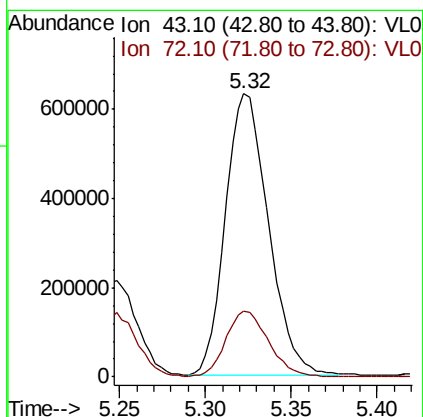
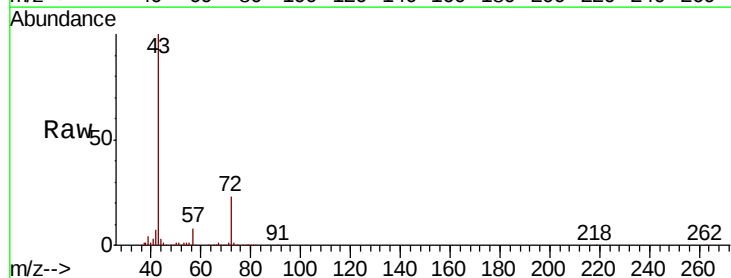
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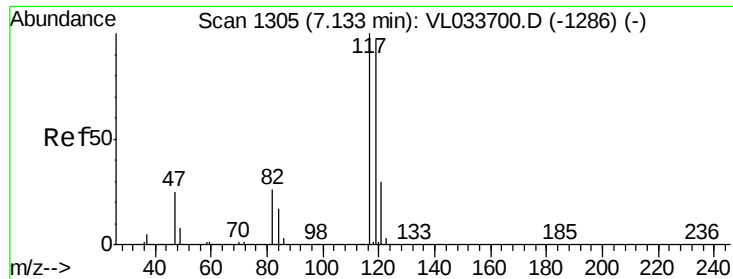
MMDadoda
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#34
 2-Butanone
 Concen: 7.600 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.2	17.8	26.6





#35

Carbon Tetrachloride

Concen: 0.032 ppbv m

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

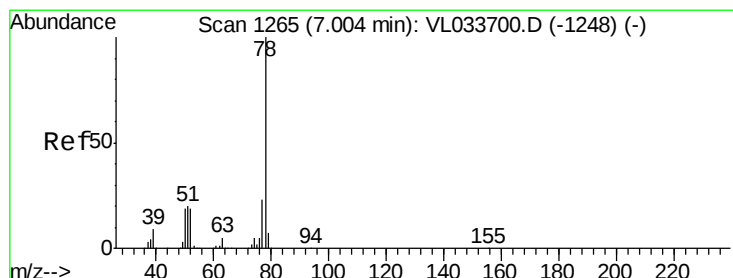
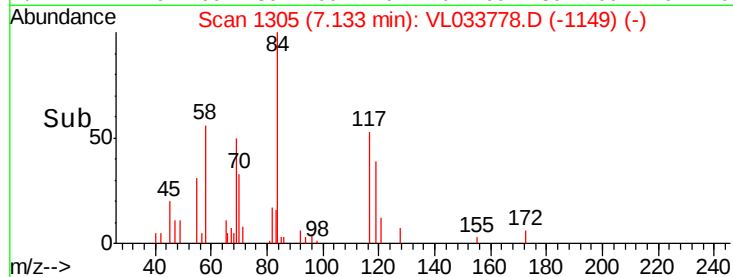
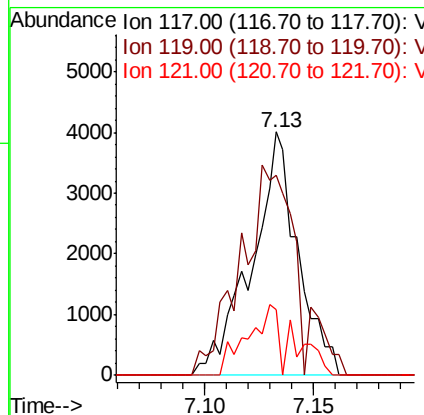
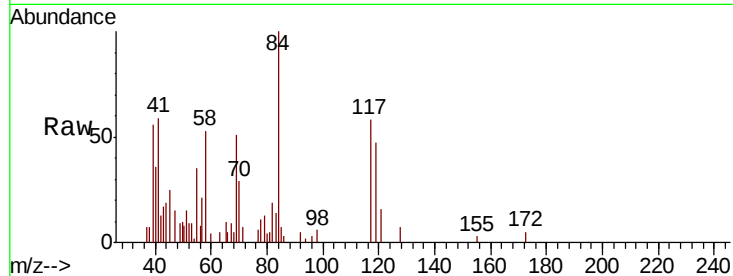
ClientSampleId :

BPS1-SG-3003-55

Tot Ion	Ratio	Lower	Upper
117	100		
119	82.3	77.2	115.8
121	27.0	24.1	36.1

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#36

Benzene

Concen: 4.954 ppbv

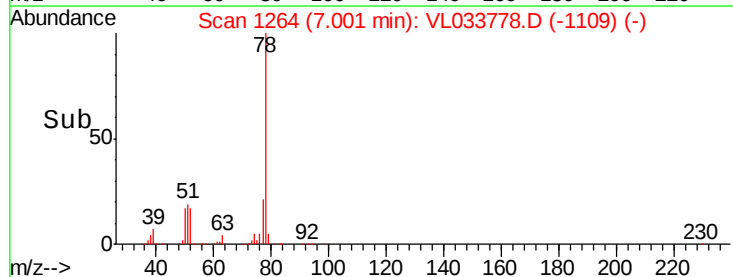
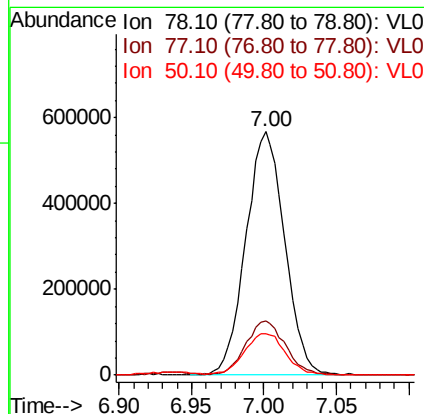
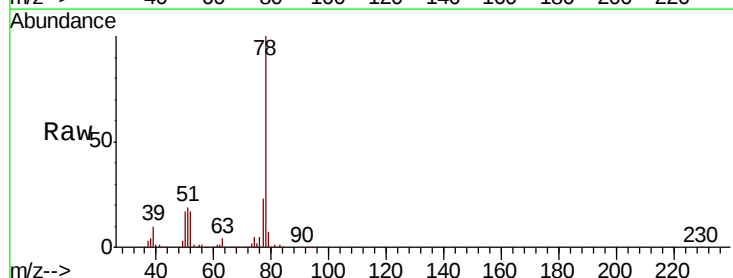
RT: 7.00 min Scan# 1264

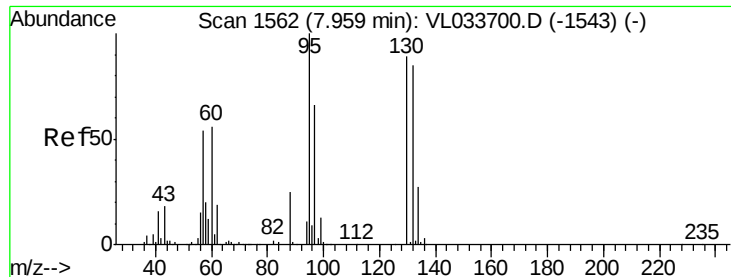
Delta R.T. -0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.4	27.6
50	17.0	15.5	23.3





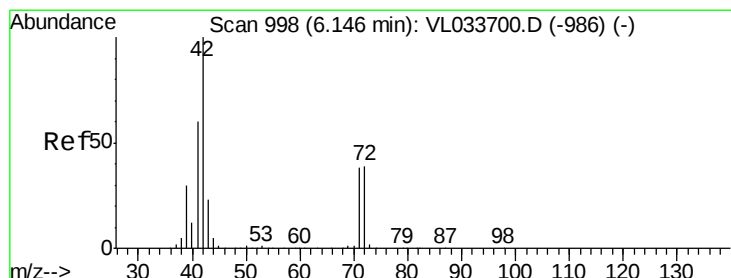
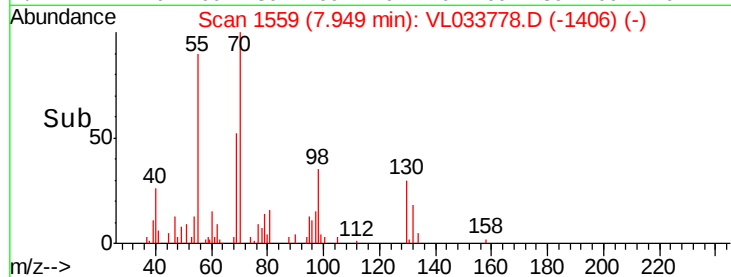
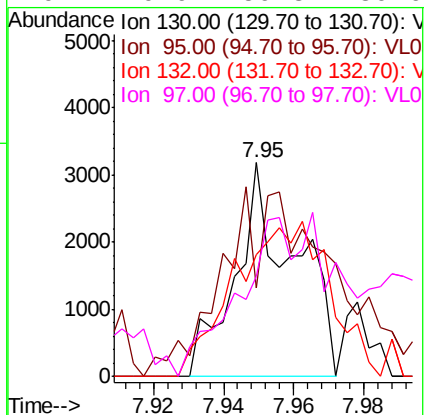
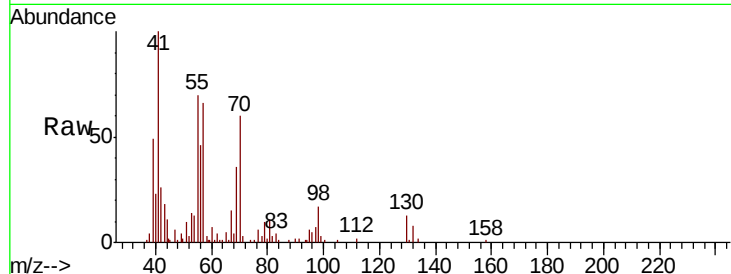
#38
 Trichloroethene
 Concen: 0.047 ppbv m
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-55

Tot Ion:	130	Resp:	3698
Ion Ratio	Lower	Upper	
130	100		
95	44.2	90.2	135.4#
132	60.2	76.4	114.6#
97	49.9	59.8	89.6#

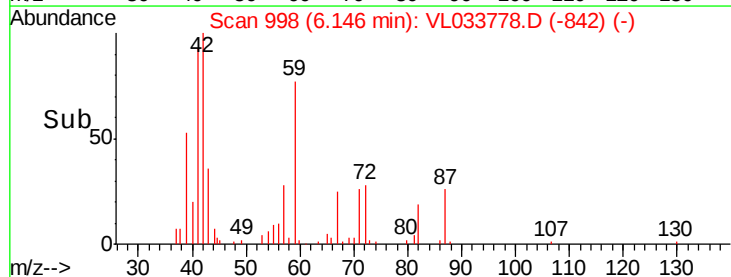
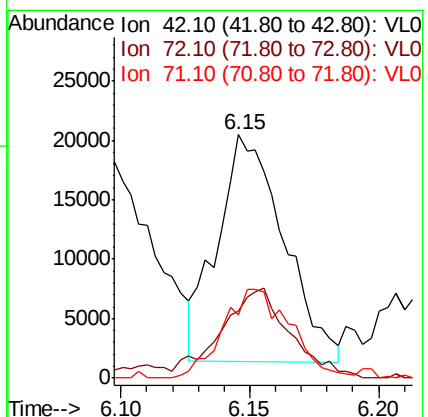
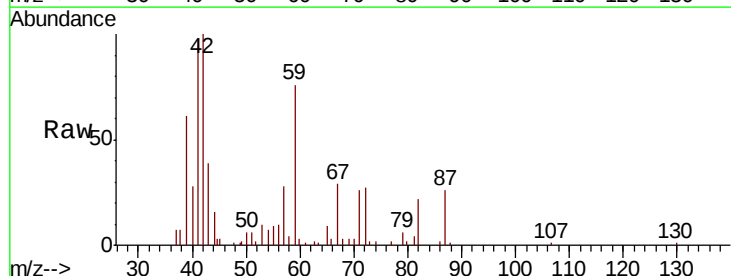
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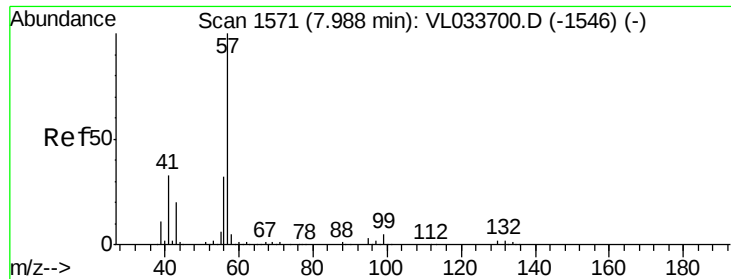
MMDadoda
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#41
 Tetrahydrofuran
 Concen: 0.423 ppbv
 RT: 6.15 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Tgt Ion:	42	Resp:	34254
Ion Ratio	Lower	Upper	
42	100		
72	47.7	32.0	48.0
71	41.3	30.4	45.6





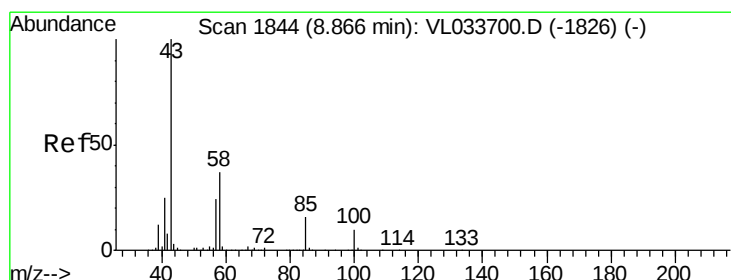
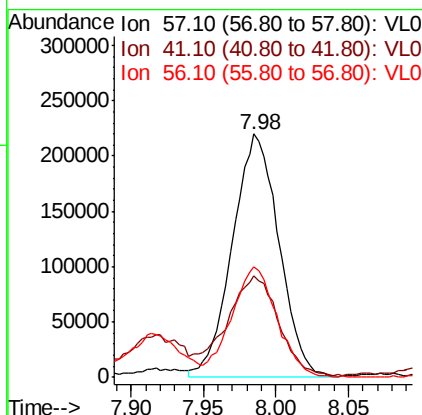
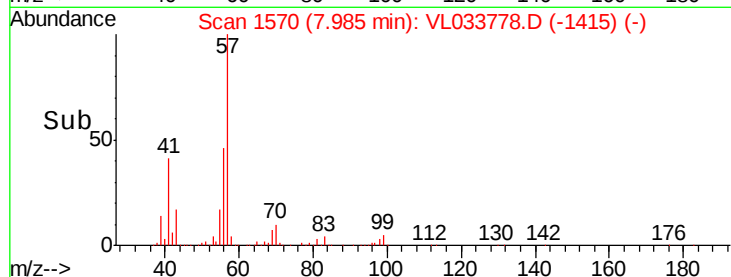
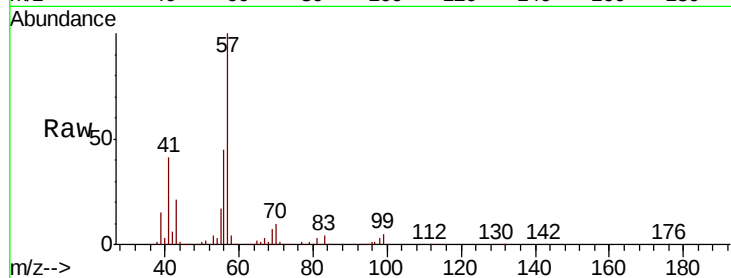
#44
 2,2,4-Trimethylpentane
 Concen: 1.357 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-55

Tot Ion	Ratio	Lower	Upper
57	100		
41	44.8	25.4	38.0#
56	44.7	24.7	37.1#

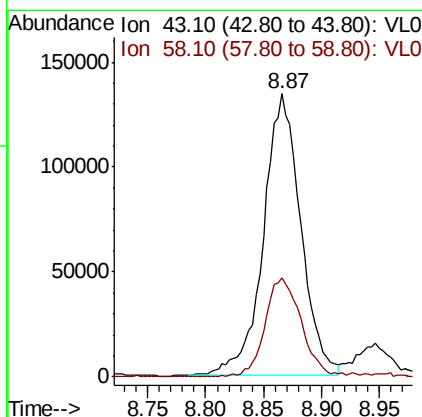
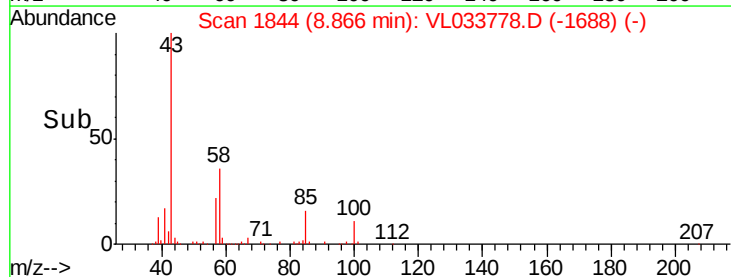
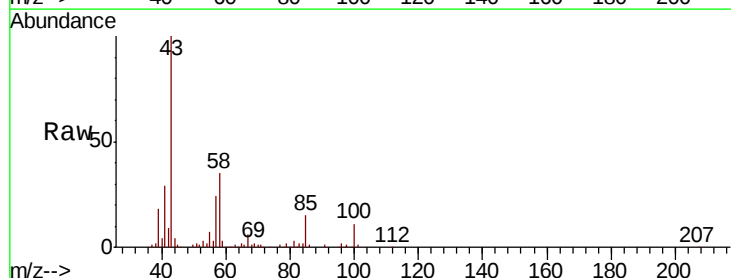
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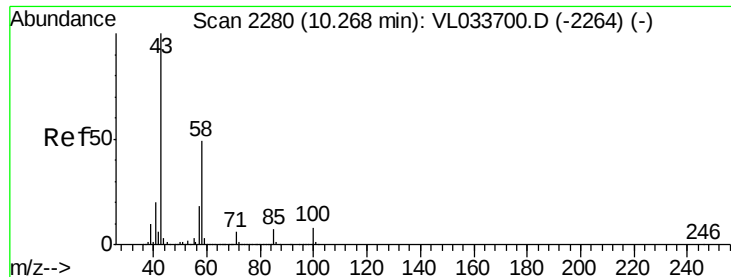
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#50
 4-Methyl-2-Pentanone
 Concen: 1.349 ppbv
 RT: 8.87 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.6	43.0





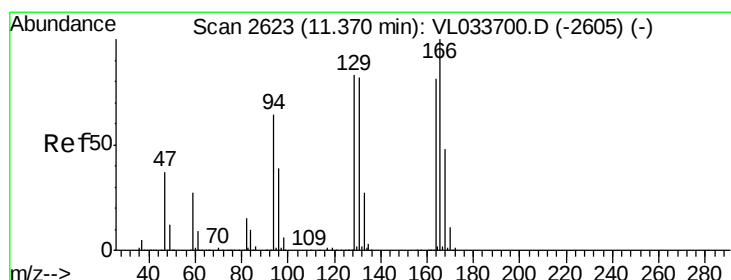
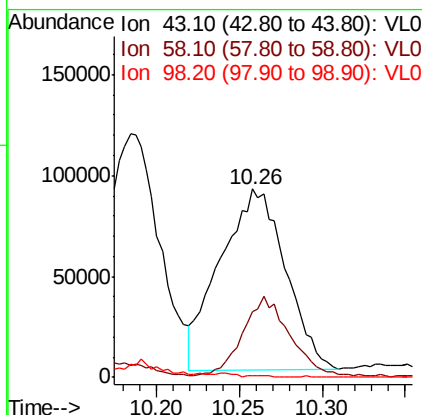
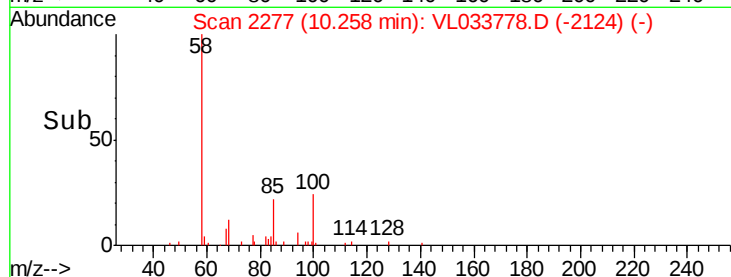
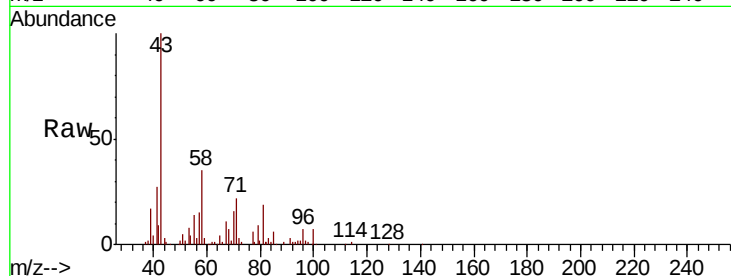
#51
2-Hexanone
Concen: 1.419 ppbv
RT: 10.26 min Scan# 2277
Delta R.T. -0.01 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-55

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.2	38.7	58.1#
98	0.0	0.2	0.4#

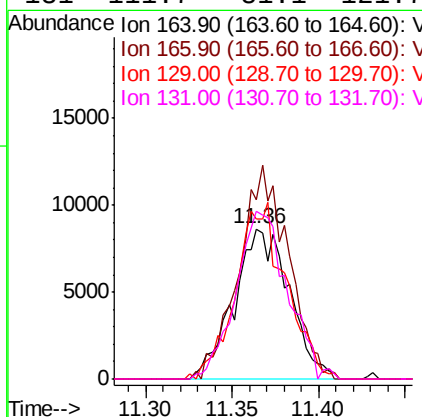
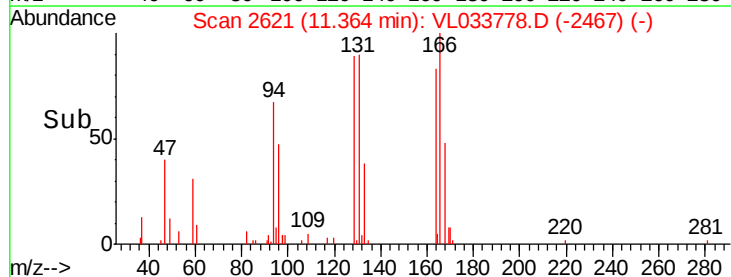
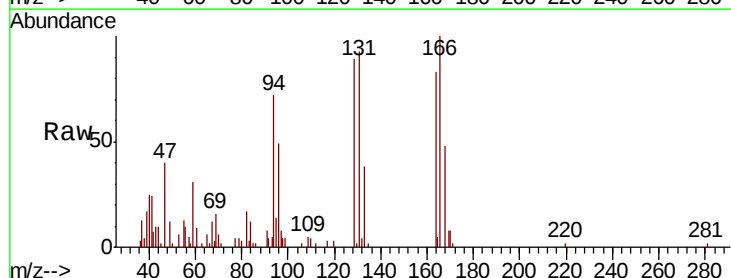
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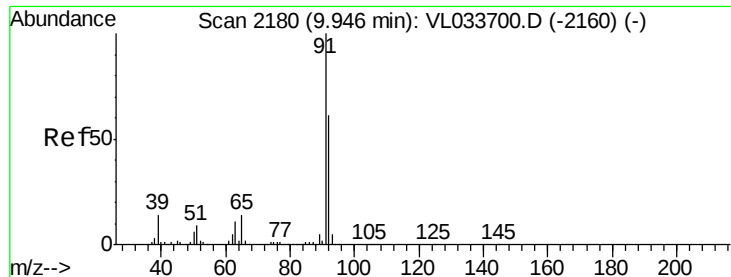
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#52
Tetrachloroethene
Concen: 0.258 ppbv m
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.9	98.9	148.3
129	106.7	81.8	122.6
131	111.7	81.1	121.7





#53

Toluene

Concen: 41.182 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-55

Tot Ion: 91 Resp: 9422938

Ion Ratio Lower Upper

91 100

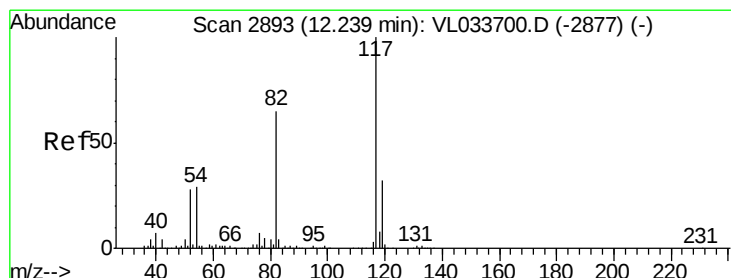
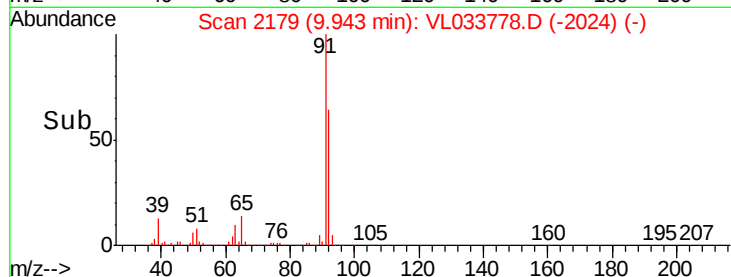
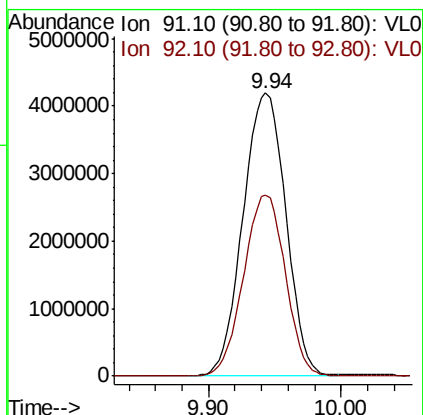
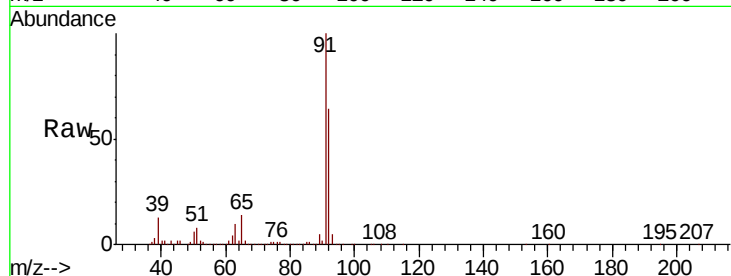
92 62.4 47.6 71.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

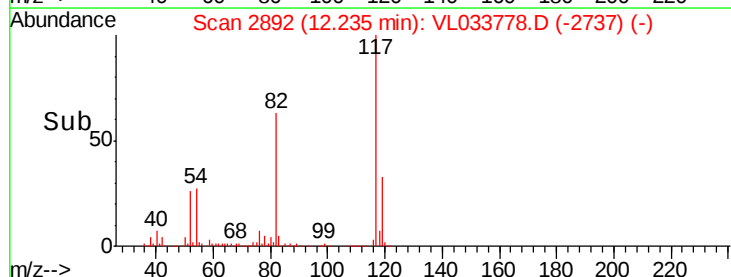
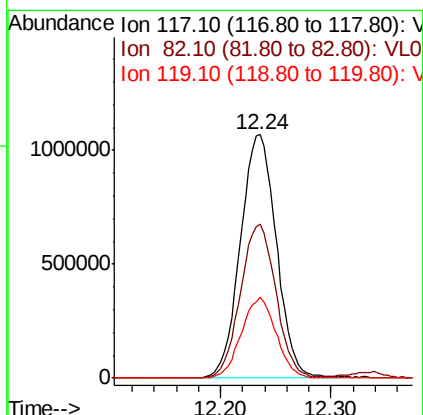
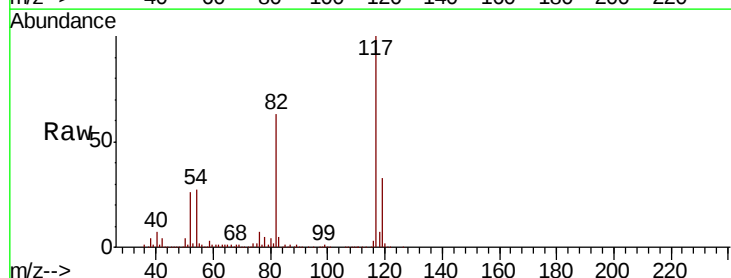
Tgt Ion: 117 Resp: 2412515

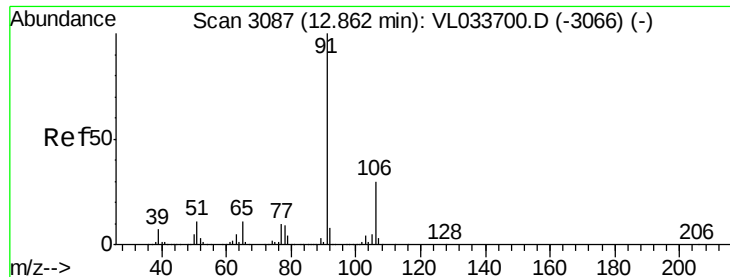
Ion Ratio Lower Upper

117 100

82 62.6 49.4 74.0

119 32.4 24.9 37.3





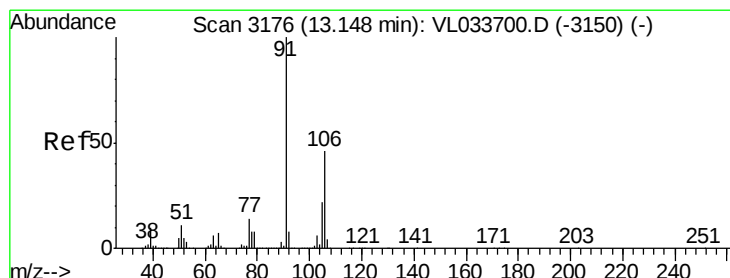
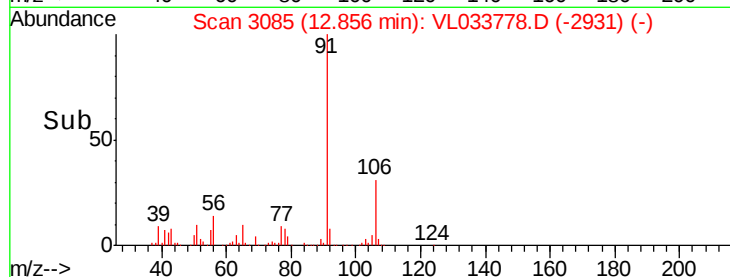
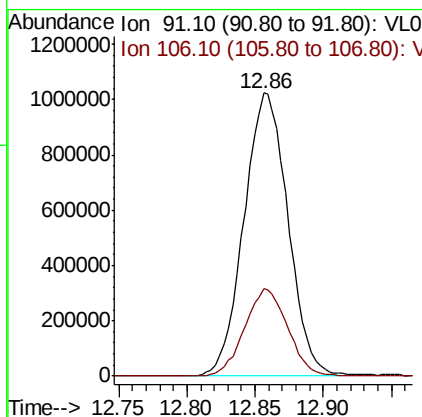
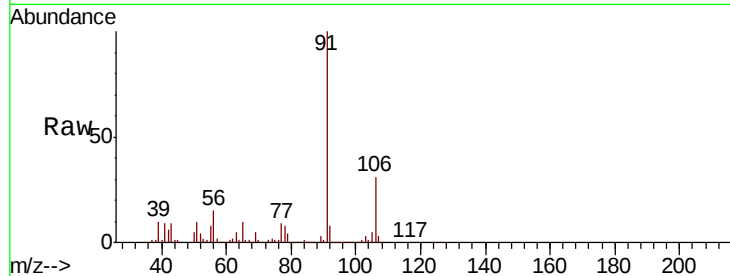
#58
Ethyl Benzene
Concen: 7.144 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-55

Tot Ion: 91 Resp: 2282266
Ion Ratio Lower Upper
91 100
106 31.2 23.9 35.9

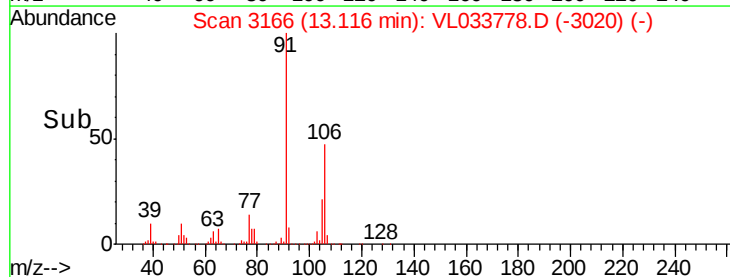
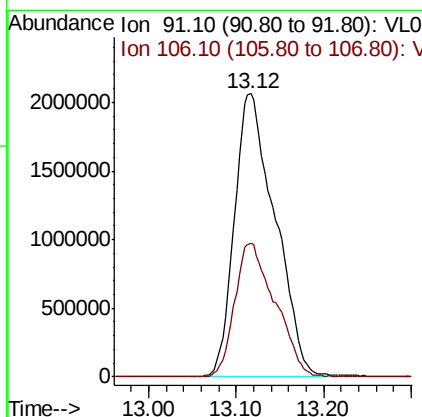
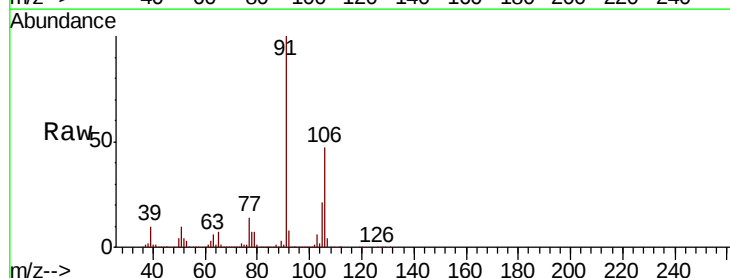
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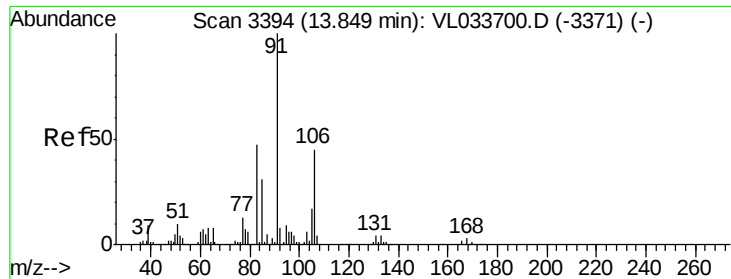
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#59
m/p-Xylene
Concen: 23.798 ppbv
RT: 13.12 min Scan# 3166
Delta R.T. -0.03 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Tgt Ion: 91 Resp: 6646172
Ion Ratio Lower Upper
91 100
106 47.2 35.8 53.6





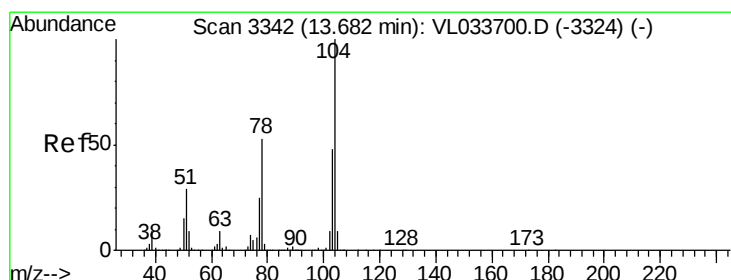
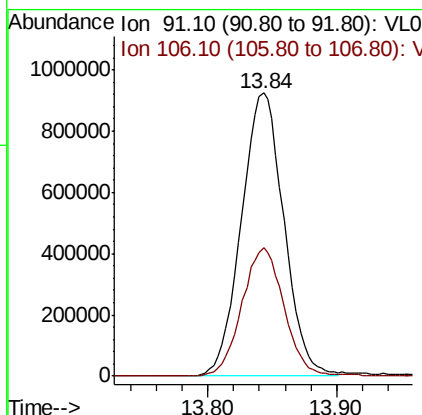
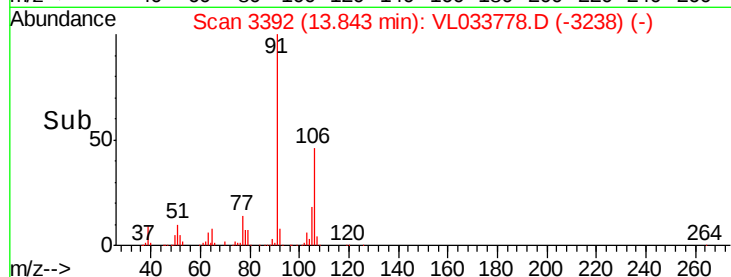
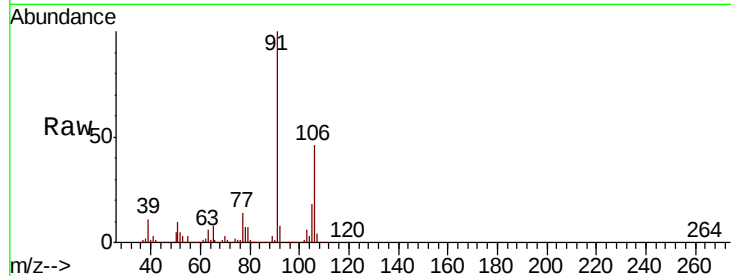
#60
o-Xylene
Concen: 7.533 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-55

Tot Ion: 91 Resp: 2120872
Ion Ratio Lower Upper
91 100
106 45.3 21.6 64.8

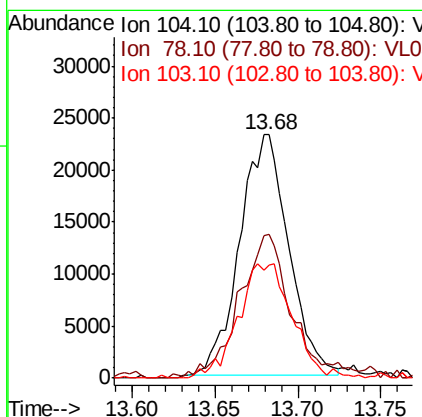
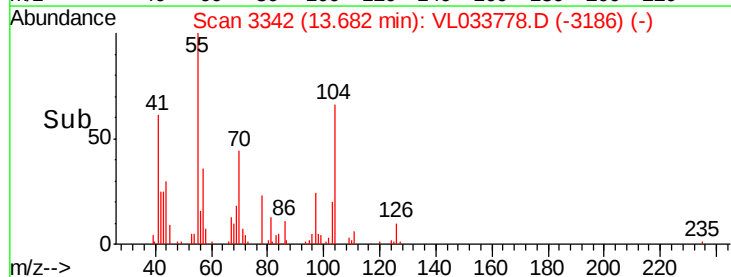
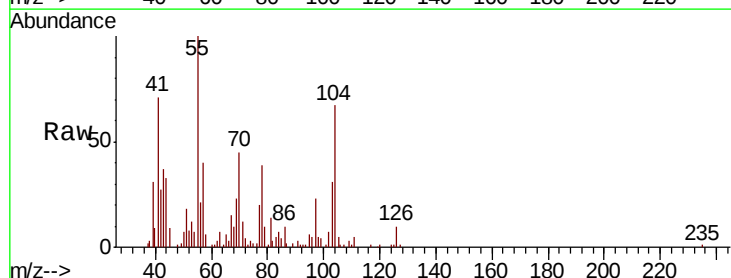
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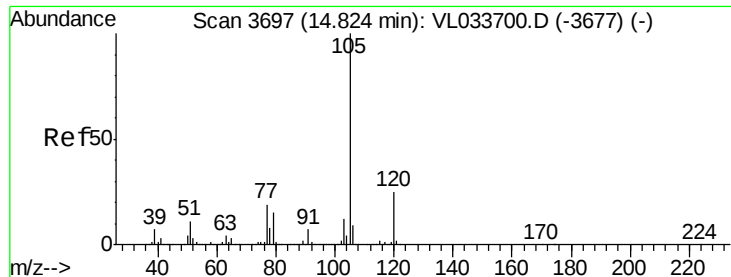
MMDadoda
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#61
Styrene
Concen: 0.251 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL033778.D
Acq: 23 May 2019 18:07

Tgt Ion: 104 Resp: 47600
Ion Ratio Lower Upper
104 100
78 65.7 42.6 64.0#
103 53.0 37.8 56.6





#62

Isopropylbenzene

Concen: 0.335 ppbv m

RT: 14.81 min Scan# 3694

Delta R.T. -0.01 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-55

Tot Ion:105 Resp: 127180

Ion Ratio Lower Upper

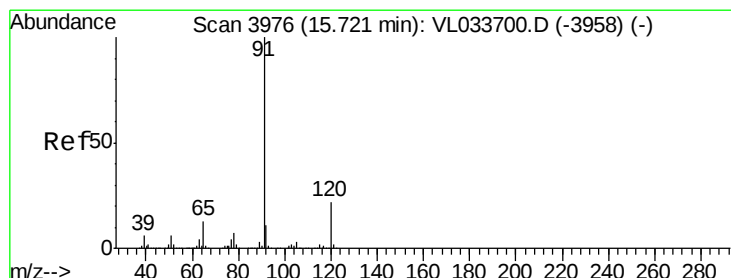
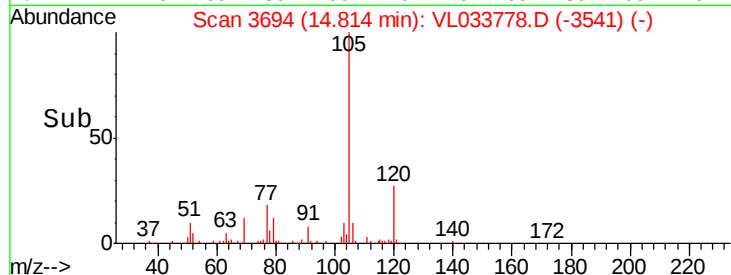
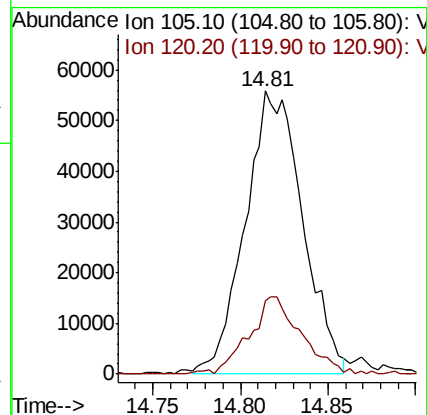
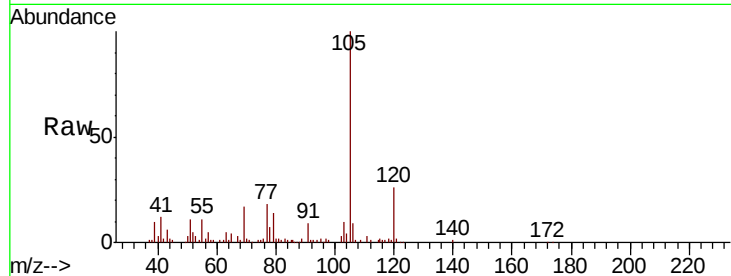
105 100

120 25.1 20.1 30.1

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#64

n-propylbenzene

Concen: 1.008 ppbv m

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033778.D

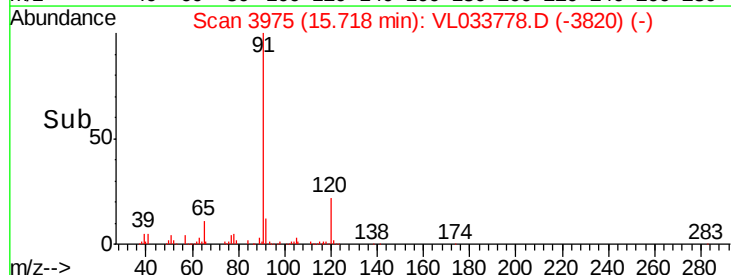
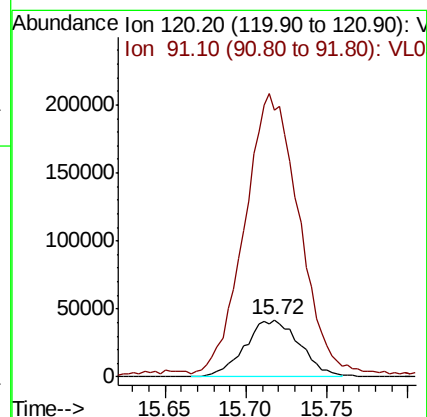
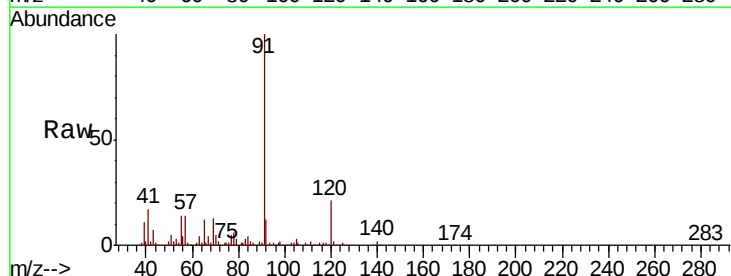
Acq: 23 May 2019 18:07

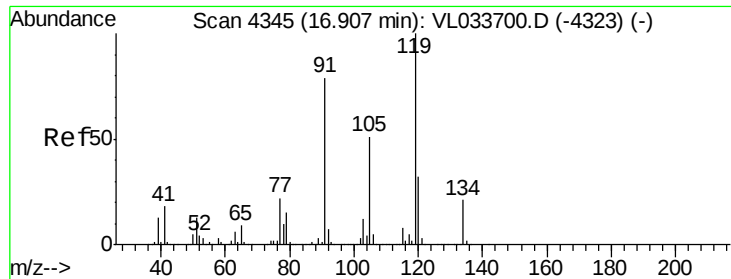
Tgt Ion:120 Resp: 98856

Ion Ratio Lower Upper

120 100

91 498.4 379.1 568.7





#65

tert-Butylbenzene

Concen: 0.404 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

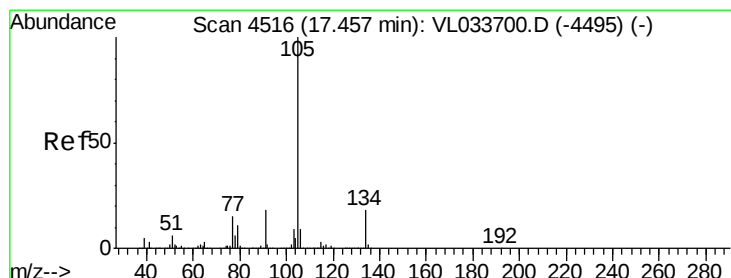
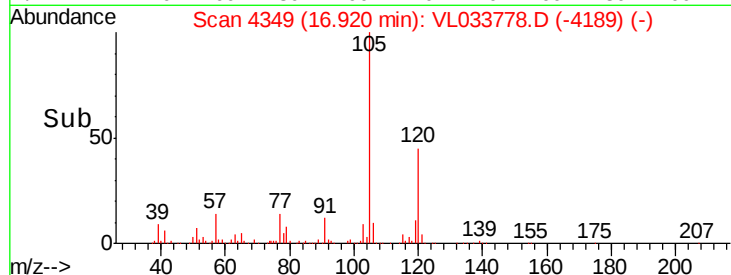
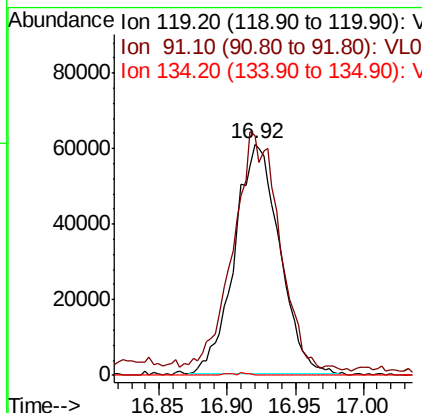
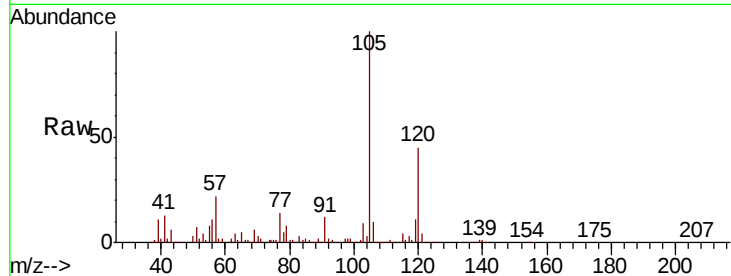
ClientSampleId :

BPS1-SG-3003-55

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139785		
91	107.9	65.3	97.9#	
134	0.6	15.7	23.5#	

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#67

sec-Butylbenzene

Concen: 0.074 ppbv m

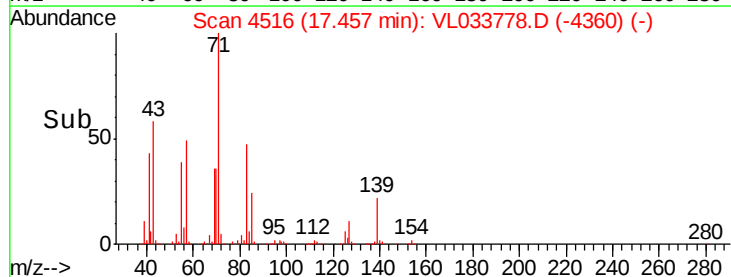
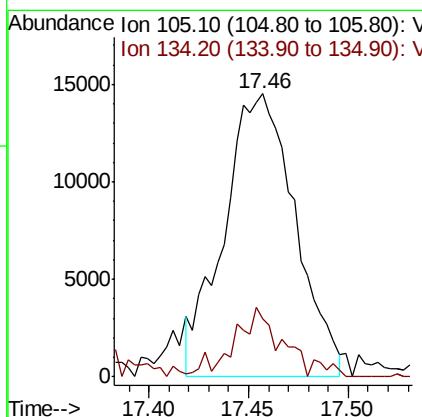
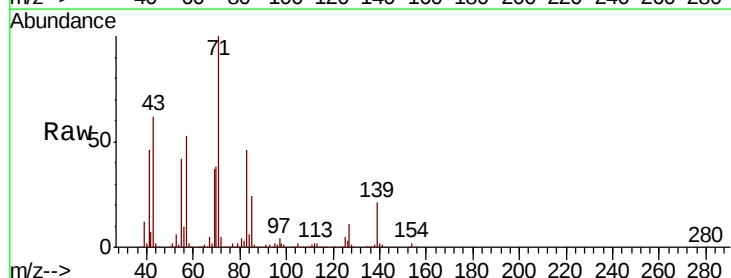
RT: 17.46 min Scan# 4516

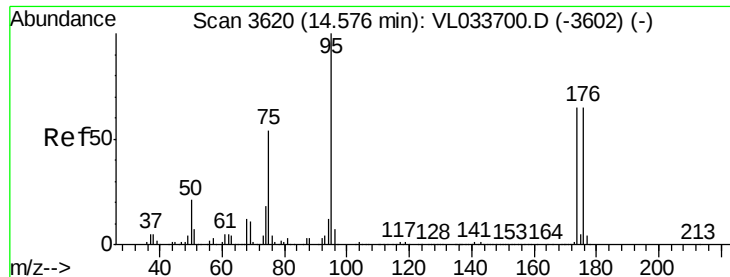
Delta R.T. 0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	36079		
134	17.4	14.6	22.0	





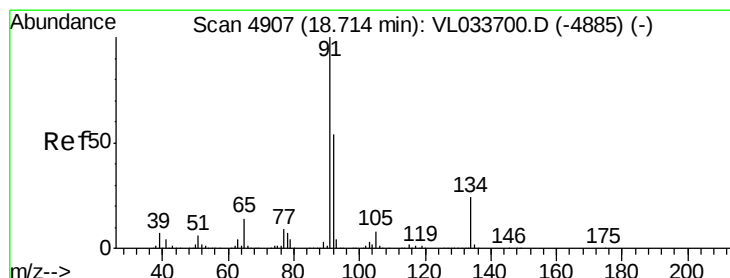
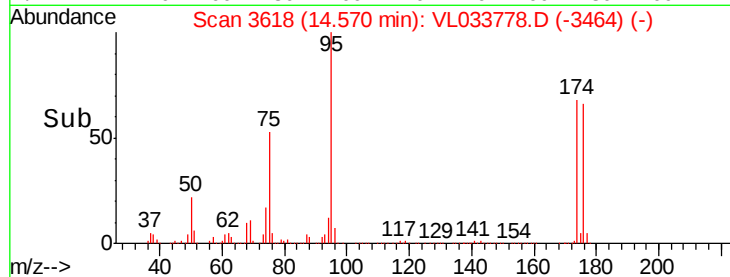
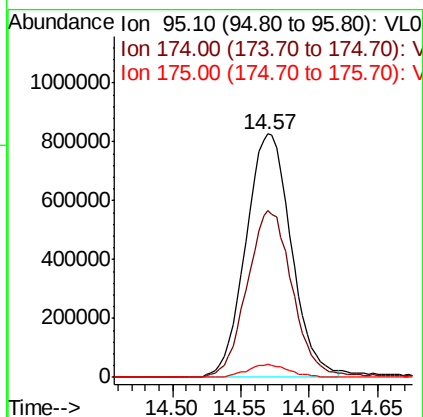
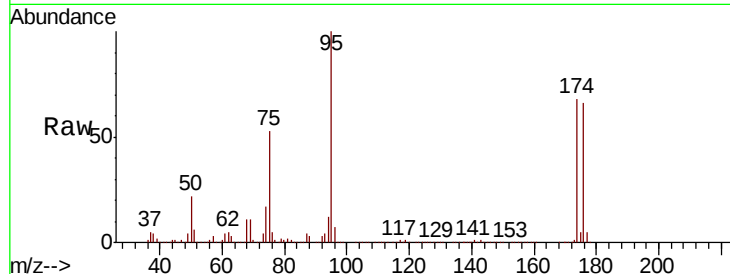
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.756 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-55

Tot Ion: 95 Resp: 1907974
 Ion Ratio Lower Upper
 95 100
 174 69.7 53.9 80.9
 175 5.1 3.8 5.8

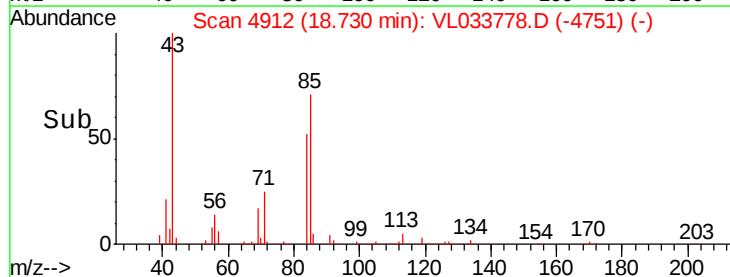
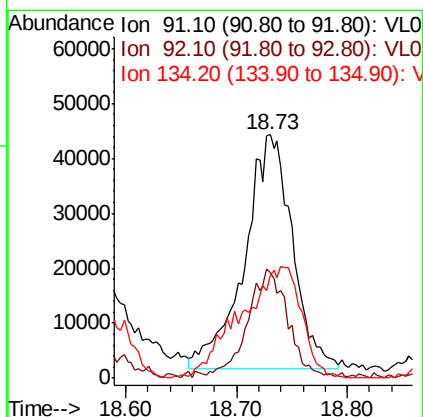
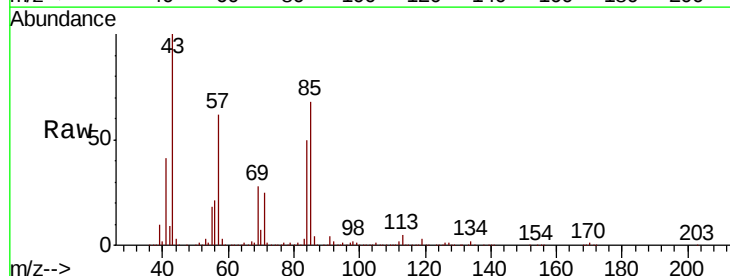
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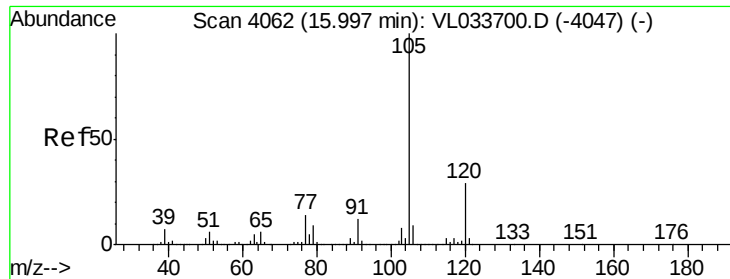
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#70
 n-Butylbenzene
 Concen: 0.297 ppbv m
 RT: 18.73 min Scan# 4912
 Delta R.T. 0.02 min
 Lab File: VL033778.D
 Acq: 23 May 2019 18:07

Tgt Ion: 91 Resp: 127524
 Ion Ratio Lower Upper
 91 100
 92 0.0 42.6 63.8#
 134 0.0 18.1 27.1#





#72

4-Ethyltoluene

Concen: 1.676 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

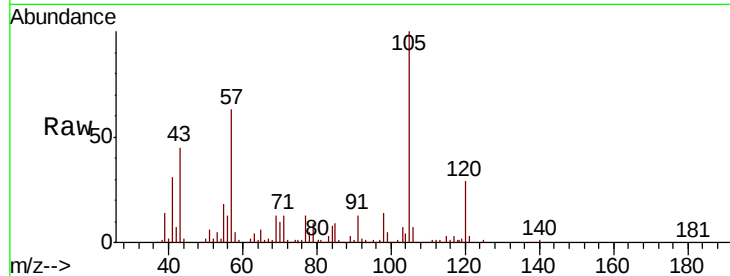
ClientSampleId :

BPS1-SG-3003-55

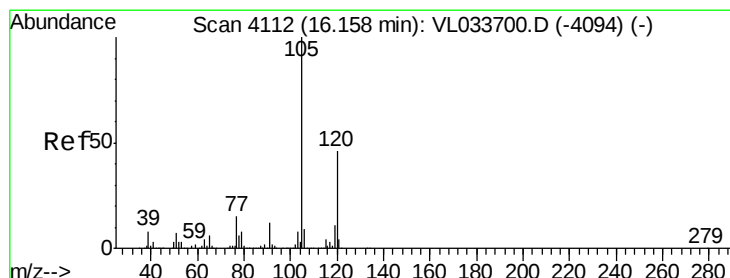
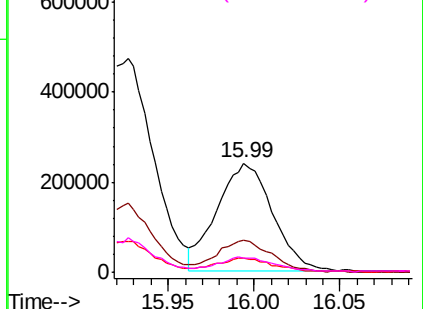
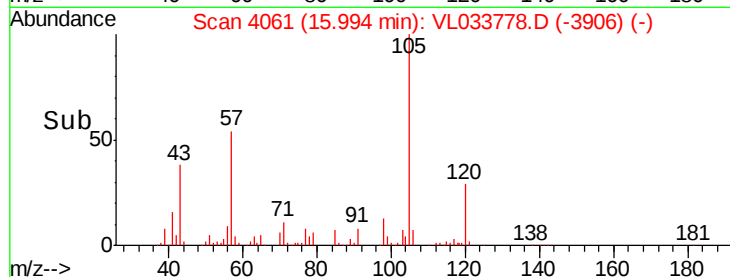
Tot Ion:	105	Resp:	539640
Ion Ratio	Lower	Upper	
105	100		
120	29.2	23.1	34.7
91	13.5	10.4	15.6
77	13.7	11.0	16.6

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Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 1.149 ppbv

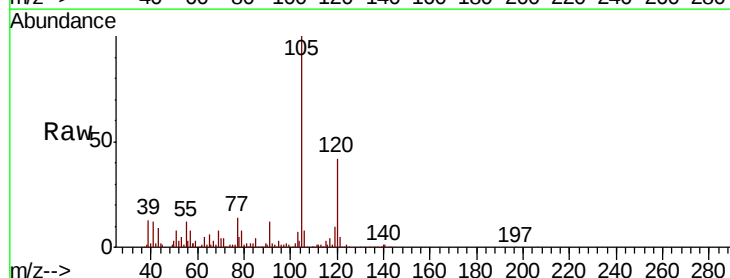
RT: 16.15 min Scan# 4111

Delta R.T. -0.00 min

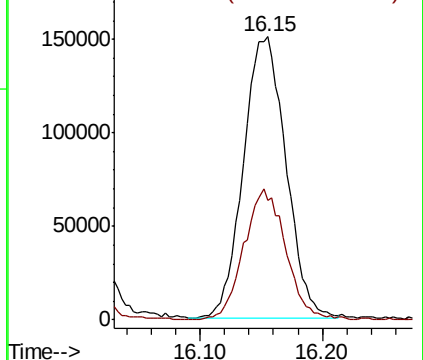
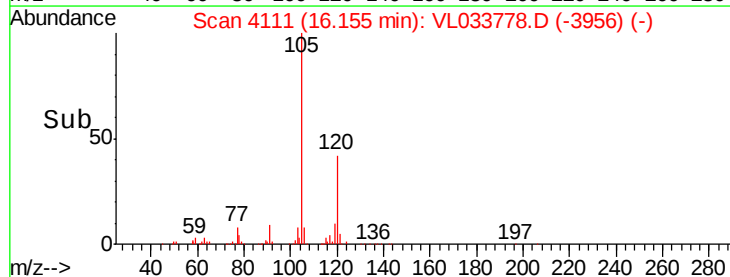
Lab File: VL033778.D

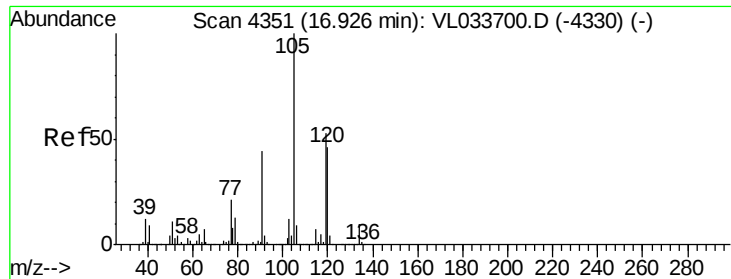
Acq: 23 May 2019 18:07

Tgt Ion:	105	Resp:	360865
Ion Ratio	Lower	Upper	
105	100		
120	42.7	37.0	55.4



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





#74

1,2,4-Trimethylbenzene

Concen: 3.773 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-55

Tot Ion:105 Resp: 1289768

Ion Ratio Lower Upper

105 100

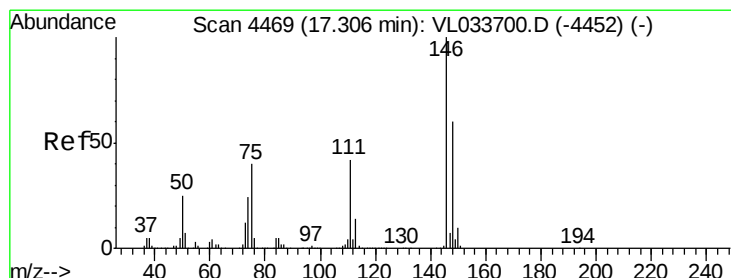
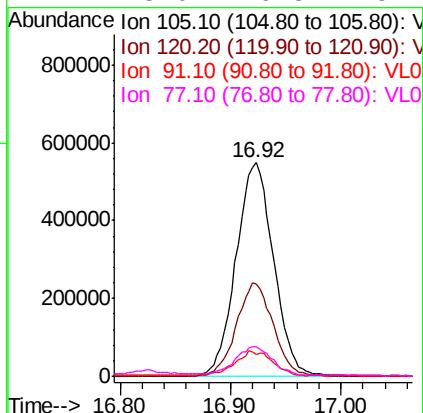
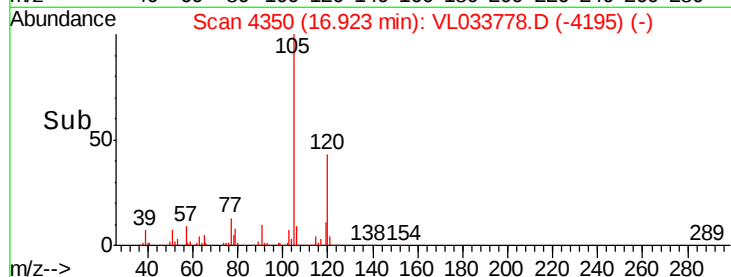
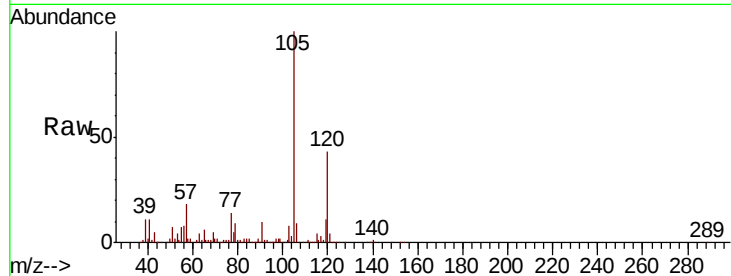
120 42.9 36.8 55.2

91 9.9 35.4 53.0#

77 13.0 16.8 25.2#

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#76

1,4-Dichlorobenzene

Concen: 0.098 ppbv m

RT: 17.31 min Scan# 4471

Delta R.T. 0.01 min

Lab File: VL033778.D

Acq: 23 May 2019 18:07

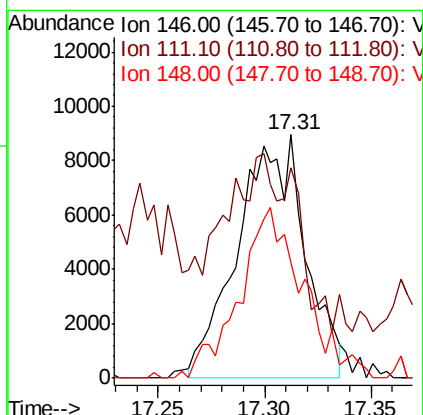
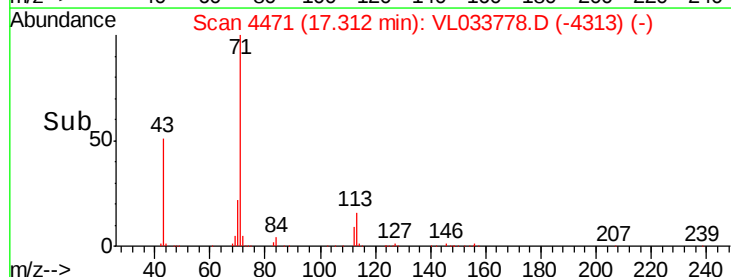
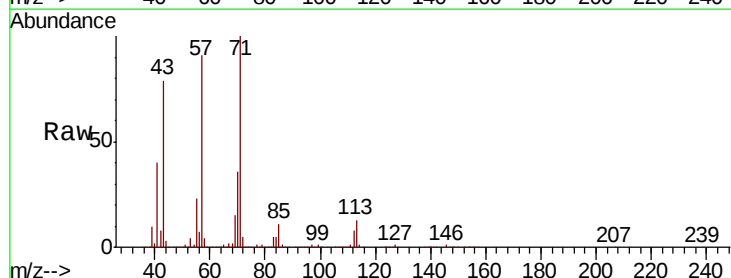
Tgt Ion:146 Resp: 19544

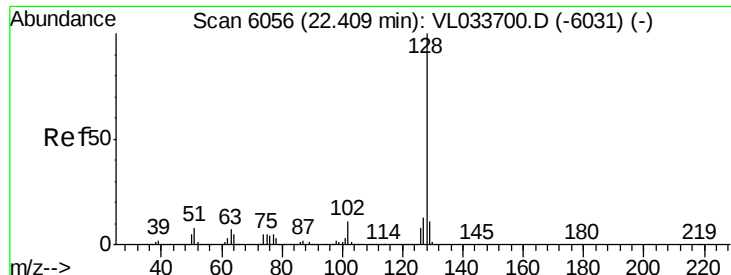
Ion Ratio Lower Upper

146 100

111 81.5 21.9 65.8#

148 67.8 32.1 96.3





#79

Naphthalene

Concen: 0.319 ppbv m

RT: 22.41 min Scan# 6057

Delta R.T. 0.00 min

Lab File: VL033778.D

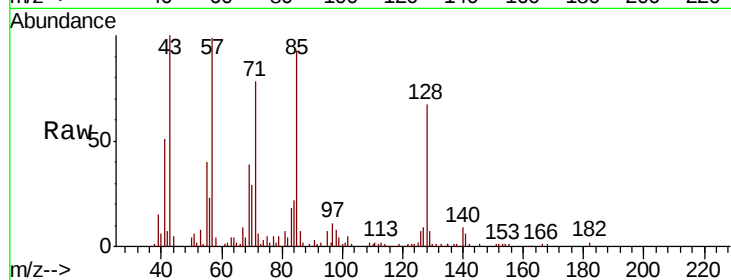
Acq: 23 May 2019 18:07

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-55



Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.7	10.6	16.0	
129	10.1	8.9	13.3	

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