

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033775.D
 Acq On : 23 May 2019 16:08
 Operator : SY/AP
 Sample : K2929-13
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:53:27 AM

Quant Time: May 24 05:00:50 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	992269	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2409255	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2237101	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1880155	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	40486	0.194	ppbv	98
3) Chlorodifluoromethane	3.01	51	28401m	0.250	ppbv	
4) Chloromethane	3.17	50	9503	0.146	ppbv	100
9) Propene	3.03	41	1119029	23.147	ppbv	92
10) Heptane	8.24	43	346856	2.534	ppbv	98
11) Trichlorofluoromethane	4.00	101	151588	0.760	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.54	101	33469	0.240	ppbv	100
13) Ethanol	3.65	45	613560	39.266	ppbv	99
15) Acetone	3.89	43	6076274	44.136	ppbv	91
17) tert-Butyl alcohol	4.36	59	257189	2.310	ppbv	96
19) Isopropyl Alcohol	4.03	45	341682	3.849	ppbv #	94
20) Methylene Chloride	4.41	84	157582	2.973	ppbv	96
26) Hexane	5.77	57	497864	4.789	ppbv #	77
27) Carbon Disulfide	4.62	76	252199	1.768	ppbv	98
29) Chloroform	5.84	83	318962	1.665	ppbv	98
30) Cyclohexane	7.24	84	40364m	0.462	ppbv	
32) 1,1,1-Trichloroethane	6.61	97	7802m	0.041	ppbv	
34) 2-Butanone	5.32	43	613884	4.111	ppbv	99
35) Carbon Tetrachloride	7.13	117	5122m	0.027	ppbv	
36) Benzene	7.00	78	365080	1.666	ppbv	97
38) Trichloroethene	7.95	130	2962m	0.036	ppbv	
44) 2,2,4-Trimethylpentane	7.98	57	148180	0.400	ppbv #	64
50) 4-Methyl-2-Pentanone	8.87	43	191208	0.832	ppbv	95
52) Tetrachloroethene	11.36	164	28826m	0.374	ppbv	
53) Toluene	9.94	91	5385524	22.783	ppbv	98
58) Ethyl Benzene	12.86	91	1021690	3.449	ppbv	100
59) m/p-Xylene	13.11	91	3349669	12.935	ppbv	98
60) o-Xylene	13.84	91	1028433	3.939	ppbv	99
61) Styrene	13.68	104	46170m	0.263	ppbv	
62) Isopropylbenzene	14.81	105	57114m	0.162	ppbv	
64) n-propylbenzene	15.71	120	56383	0.620	ppbv	78
65) tert-Butylbenzene	16.92	119	90821m	0.283	ppbv	
70) n-Butylbenzene	18.72	91	105435m	0.265	ppbv	
72) 4-Ethyltoluene	15.99	105	320302	1.073	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.15	105	217527	0.747	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	840401	2.652	ppbv #	74
75) 1,3-Dichlorobenzene	17.15	146	28205	0.145	ppbv #	58
76) 1,4-Dichlorobenzene	17.30	146	22825m	0.124	ppbv	
79) Naphthalene	22.42	128	101352m	0.344	ppbv	

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Quant Time: May 24 05:00:50 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

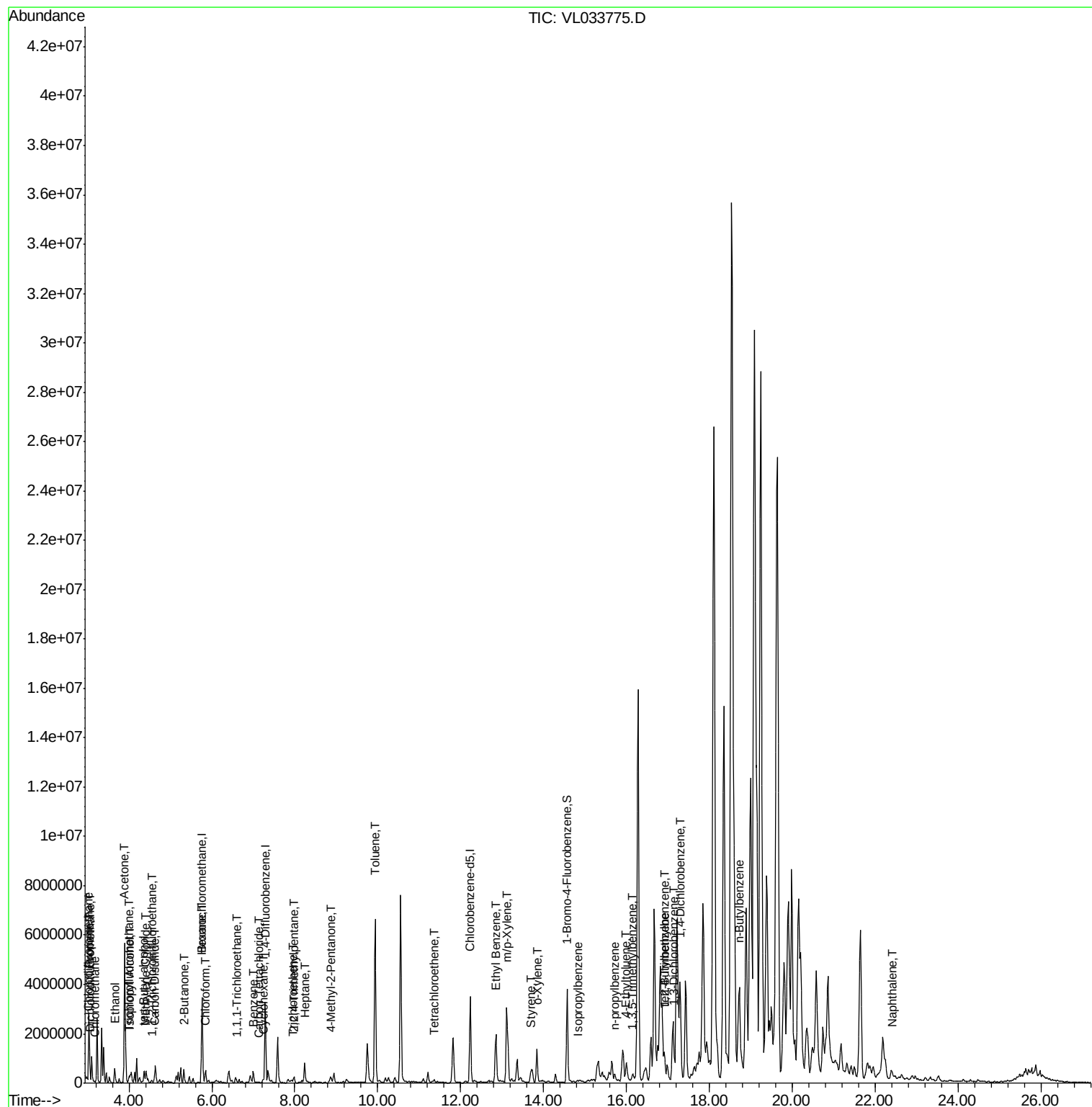
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
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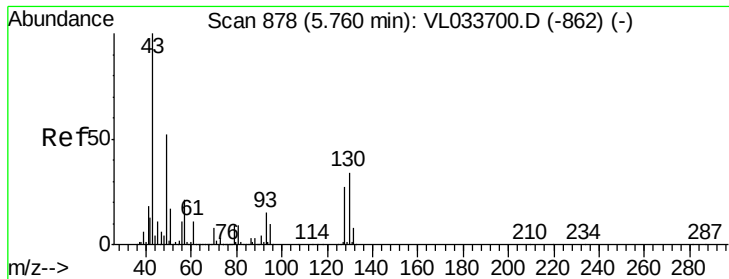
Instrument :
MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

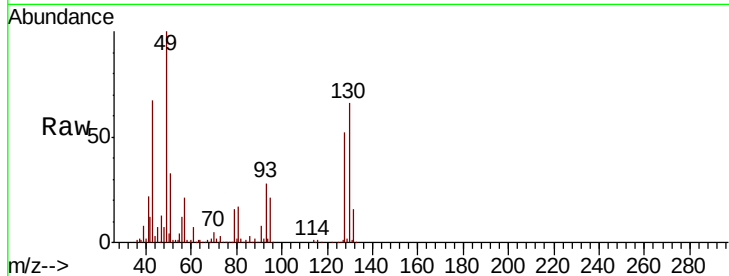
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BPS1-SG-3004-25

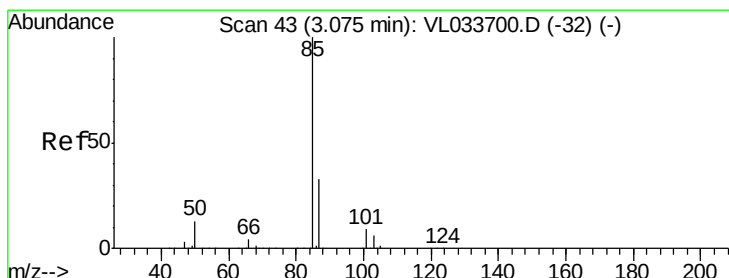
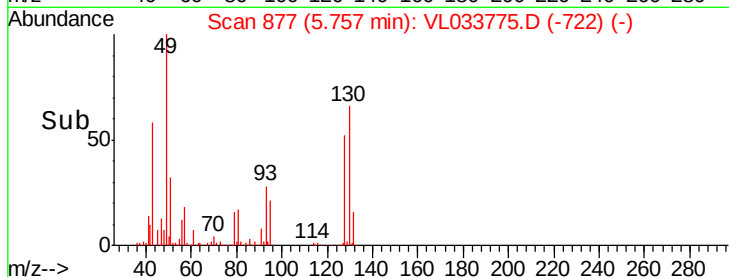
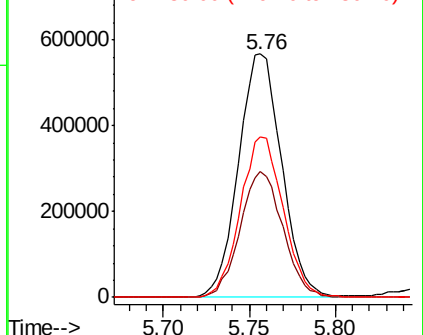
Tot Ion:	49	Resp:	992269
Ion	Ratio	Lower	Upper
49	100		
128	51.2	25.2	75.6
130	65.4	32.5	97.5

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



#2

Dichlorodifluoromethane

Concen: 0.194 ppbv

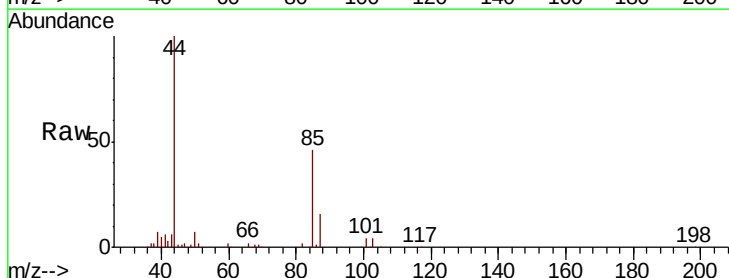
RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

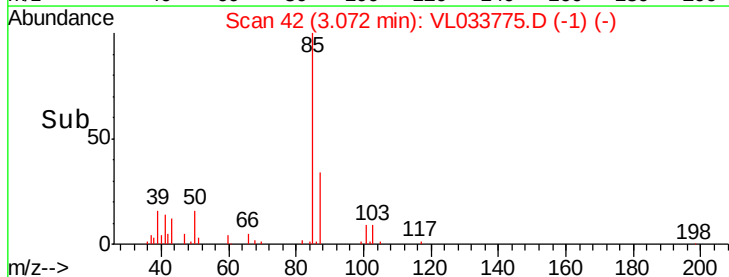
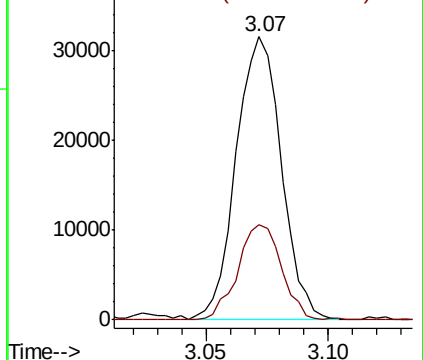
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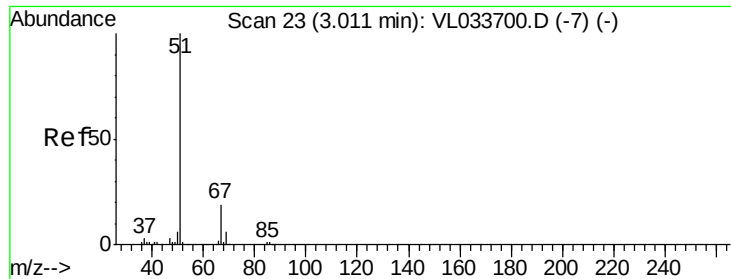
Acq: 23 May 2019 16:08

Tgt Ion:	85	Resp:	40486
Ion	Ratio	Lower	Upper
85	100		
87	33.8	26.3	39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





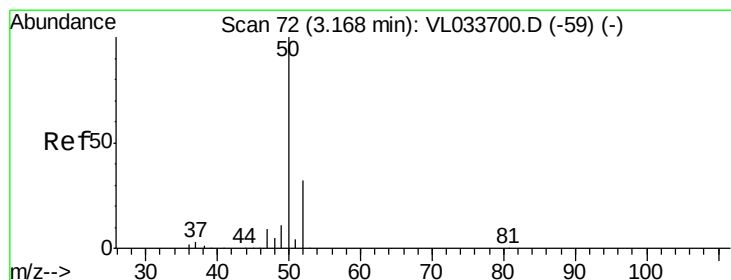
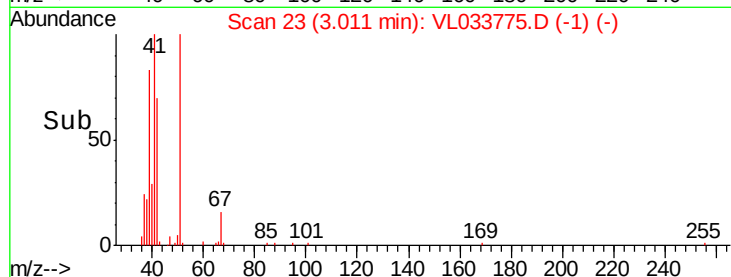
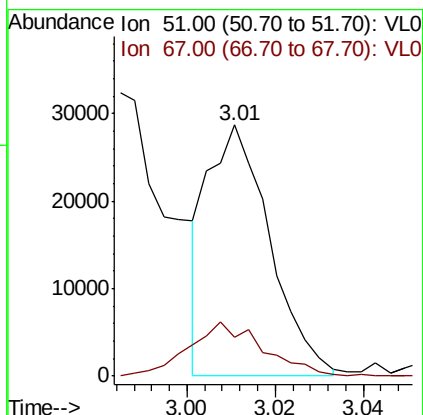
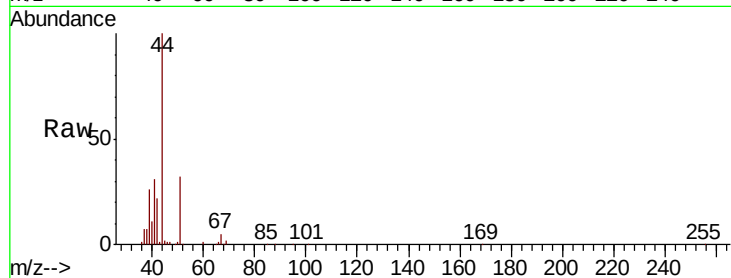
#3
Chlorodifluoromethane
Concen: 0.250 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

Tot Ion: 51 Resp: 28401
Ion Ratio Lower Upper
51 100
67 25.6 15.6 23.4#

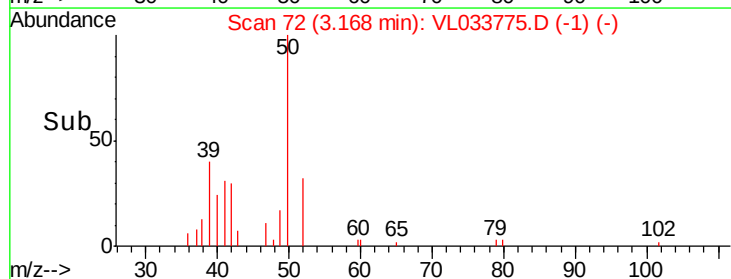
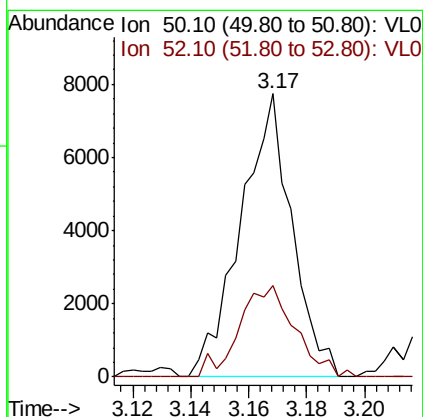
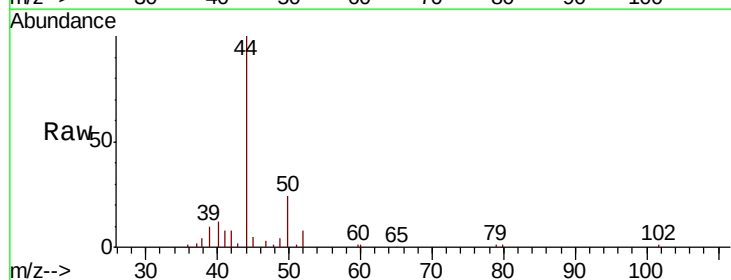
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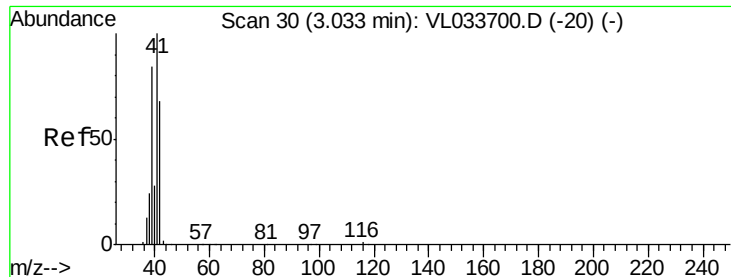
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#4
Chloromethane
Concen: 0.146 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion: 50 Resp: 9503
Ion Ratio Lower Upper
50 100
52 32.4 25.7 38.5





#9

Propene

Concen: 23.147 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

Tot Ion: 41 Resp: 1119029

Ion Ratio Lower Upper

41 100

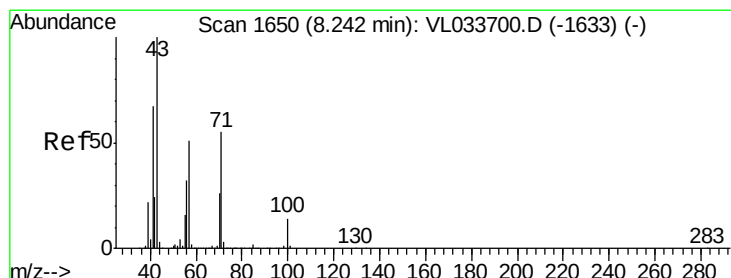
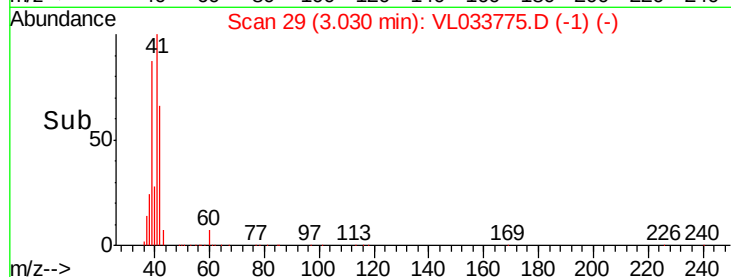
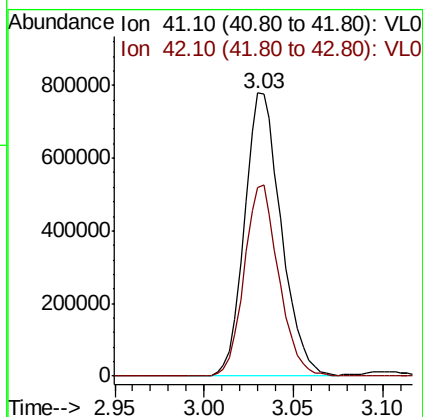
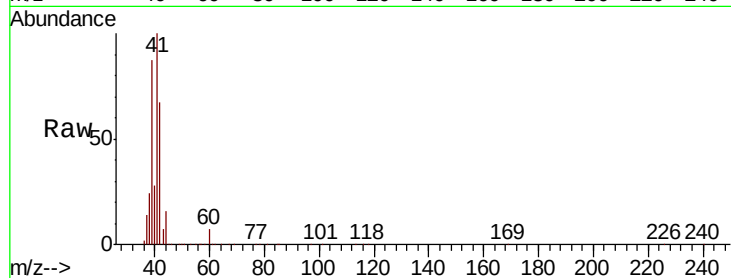
42 63.9 56.1 84.1

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#10

Heptane

Concen: 2.534 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033775.D

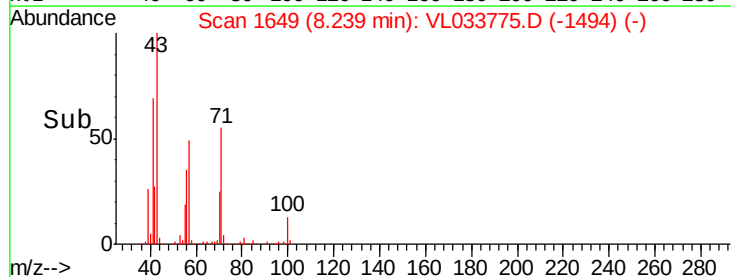
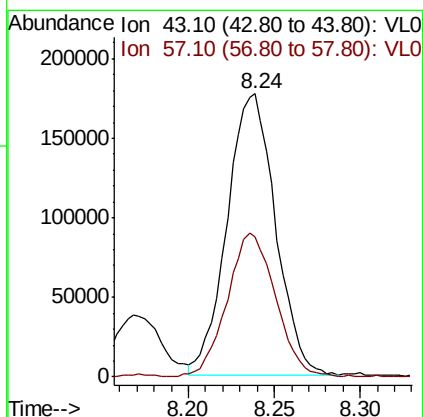
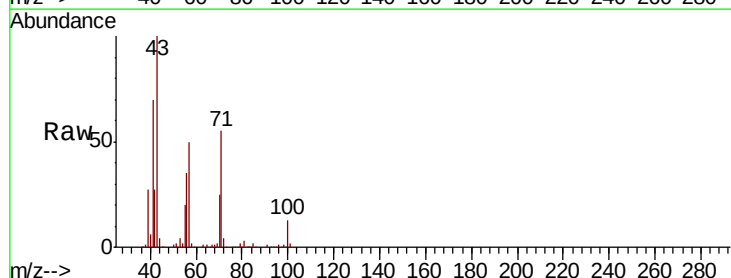
Acq: 23 May 2019 16:08

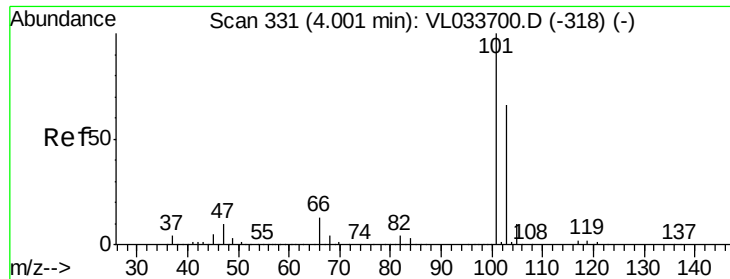
Tgt Ion: 43 Resp: 346856

Ion Ratio Lower Upper

43 100

57 50.6 41.4 62.0





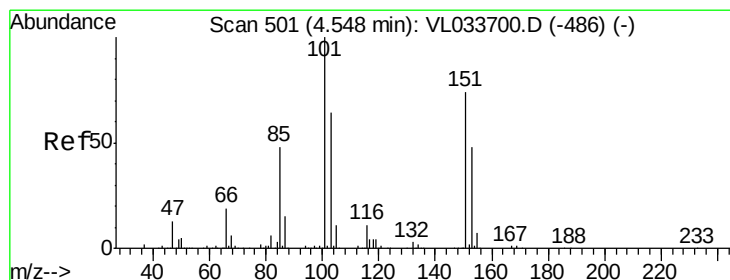
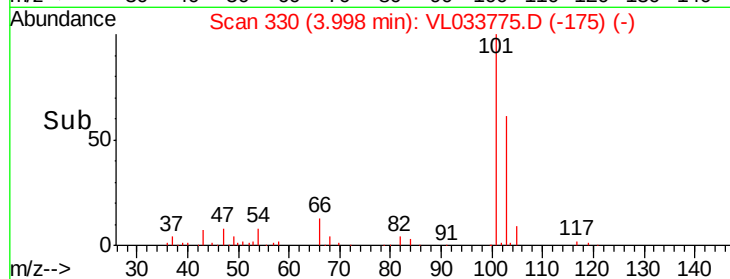
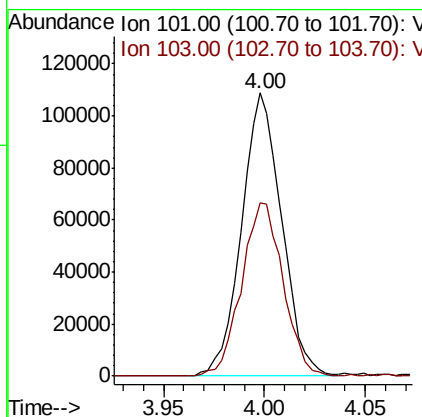
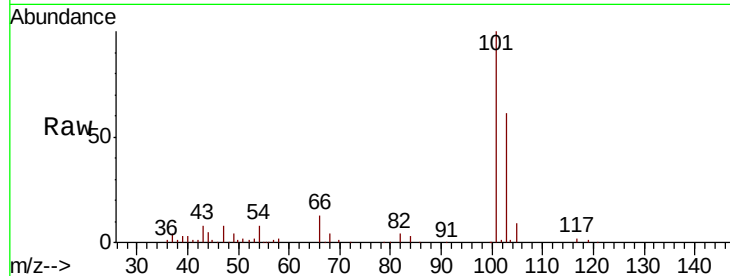
#11
 Trichlorofluoromethane
 Concen: 0.760 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		151588		
103	62.1	52.6	78.8		

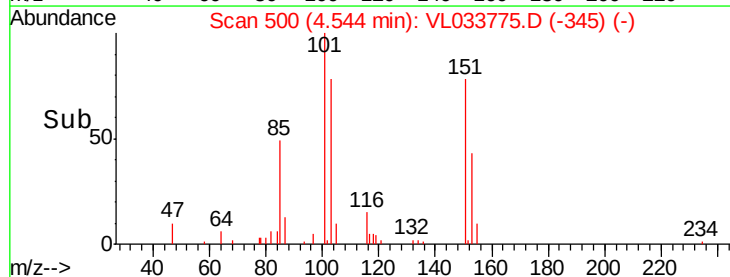
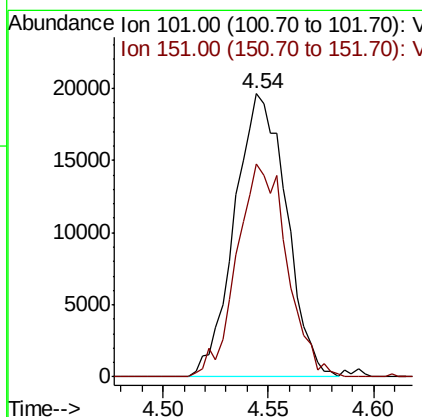
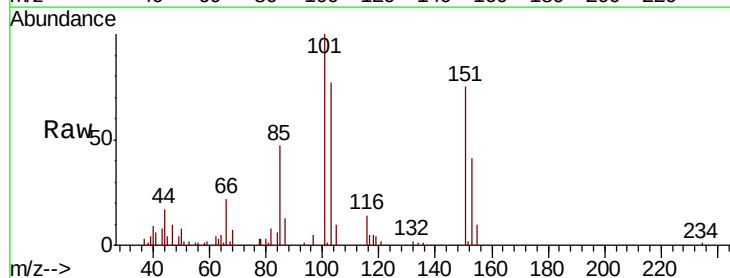
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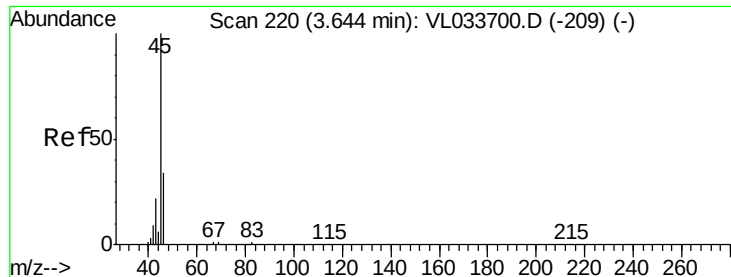
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.240 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		33469		
151	73.0	58.2	87.4		





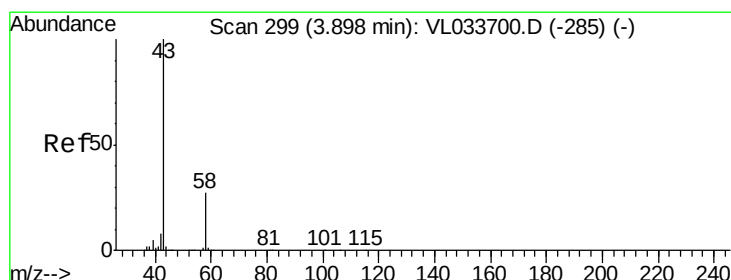
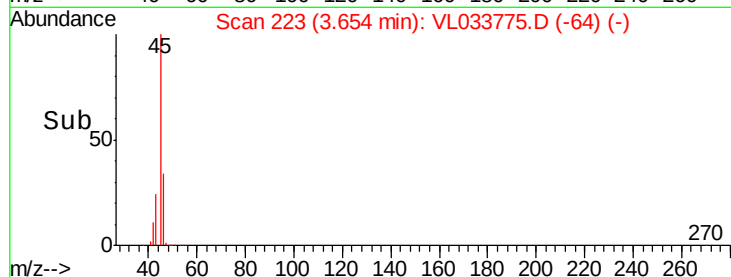
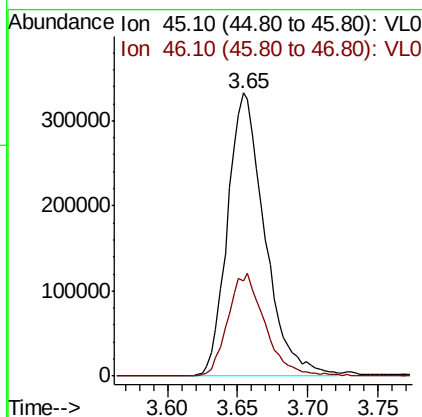
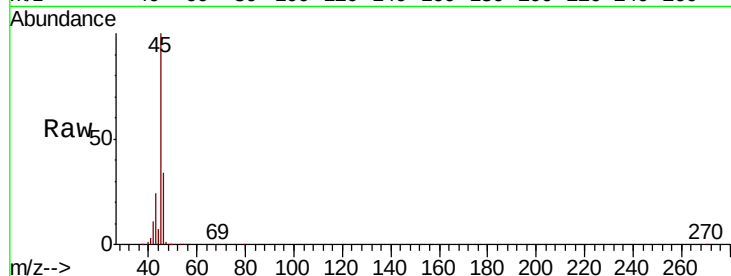
#13
Ethanol
Concen: 39.266 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Instrument :
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BPS1-SG-3004-25

Tot Ion	45	Resp	613560
Ion Ratio	100	Lower	Upper
46	36.5	14.8	59.0

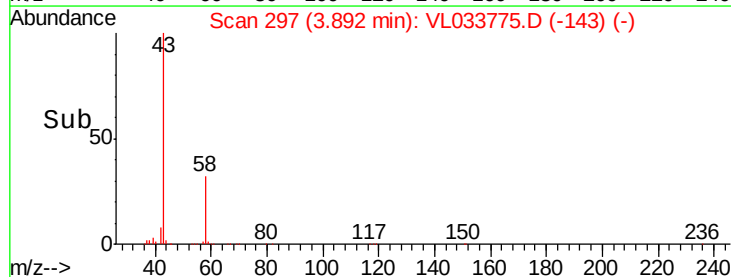
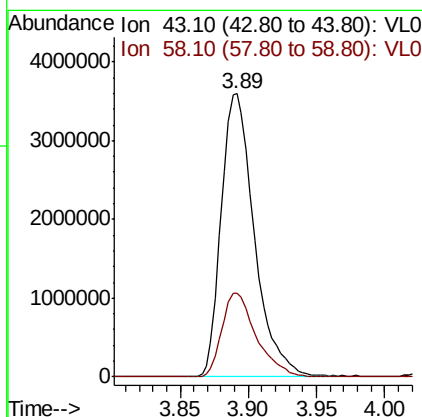
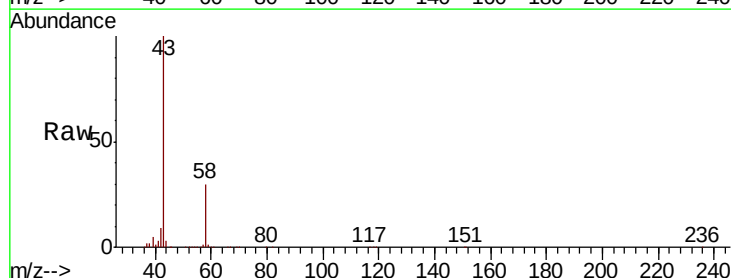
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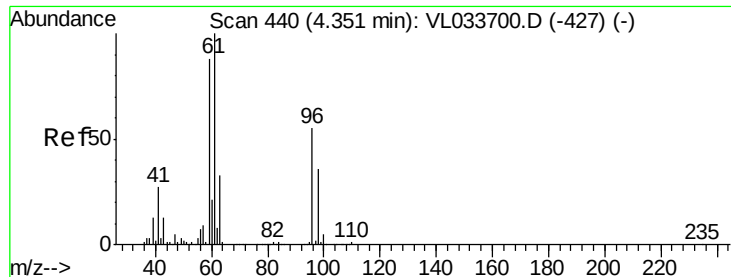
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#15
Acetone
Concen: 44.136 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion	43	Resp	6076274
Ion Ratio	100	Lower	Upper
58	31.0	21.3	31.9





#17

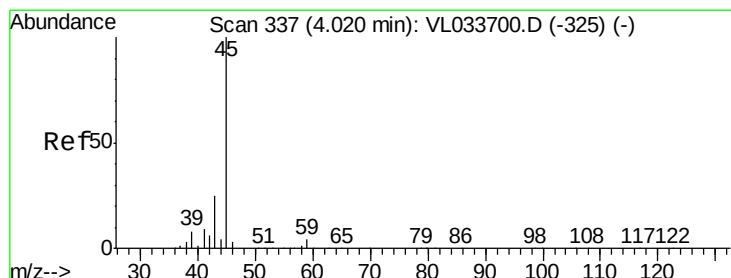
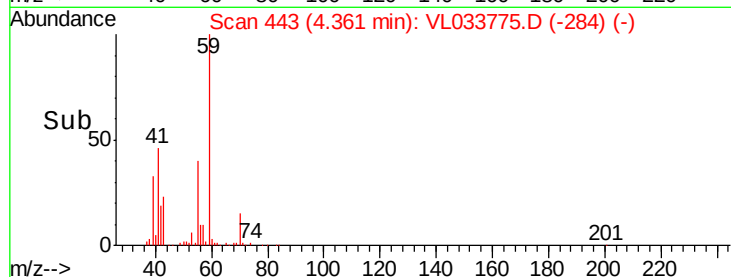
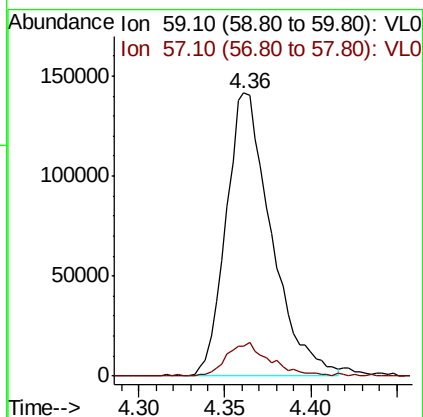
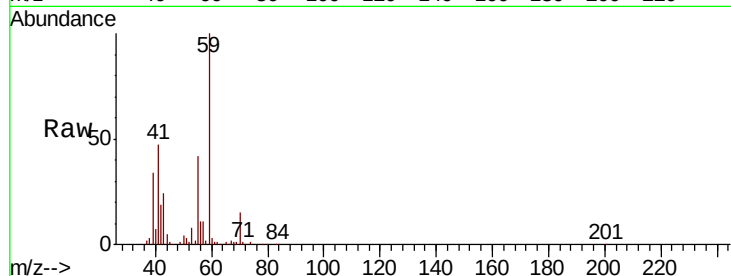
tert-Butyl alcohol
Concen: 2.310 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

Tot Ion: 59 Resp: 257189
Ion Ratio Lower Upper
59 100
57 12.1 8.4 12.6

Manual Integrations
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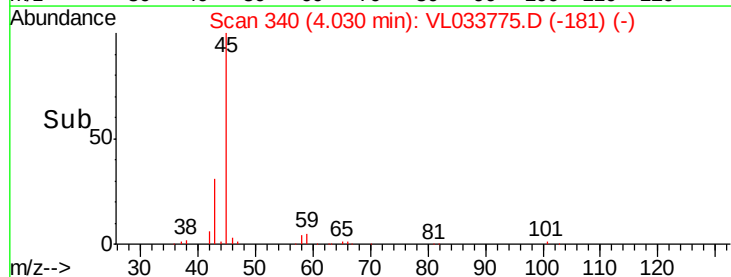
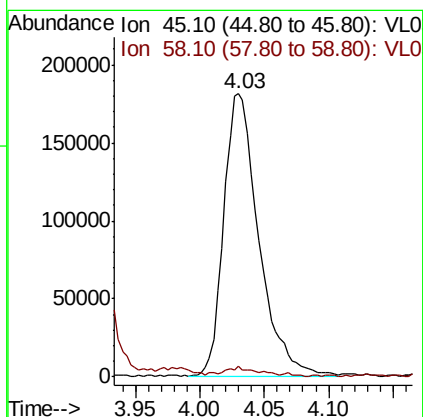
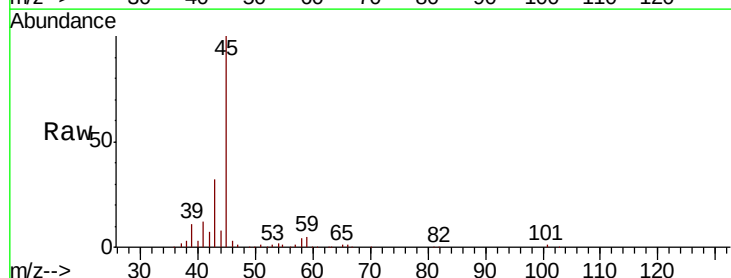
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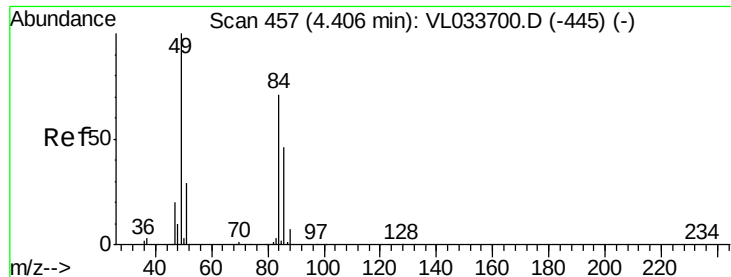


#19

Isopropyl Alcohol
Concen: 3.849 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion: 45 Resp: 341682
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





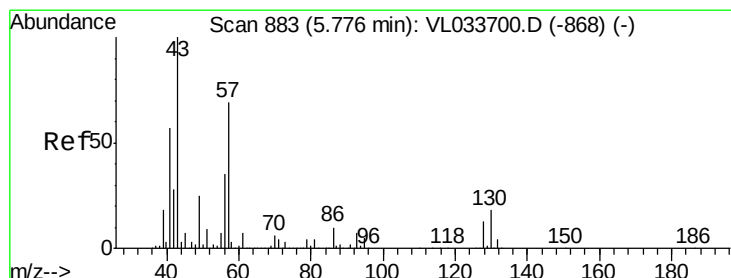
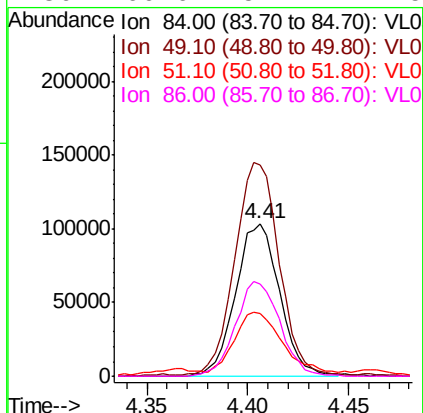
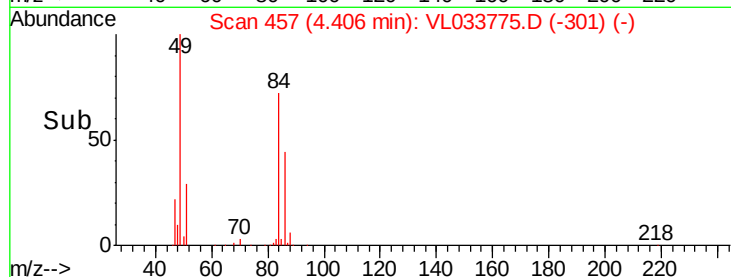
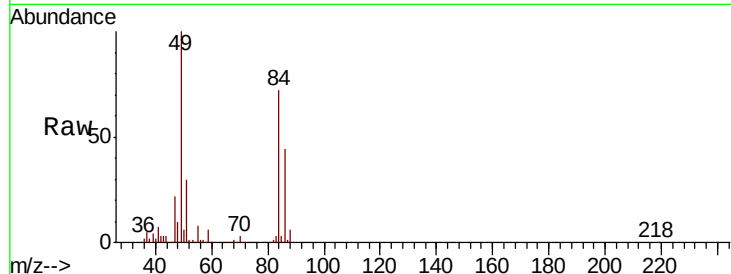
#20
Methvlene Chloride
Concen: 2.973 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

Tot Ion	Ratio	Lower	Upper
84	100		
49	137.1	112.8	169.2
51	38.8	33.4	50.0
86	60.6	51.7	77.5

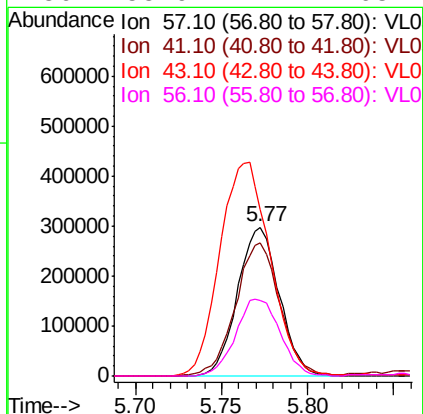
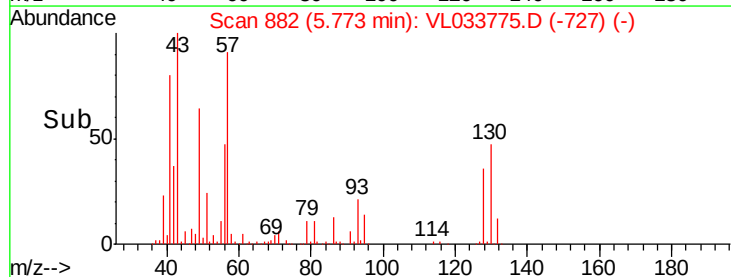
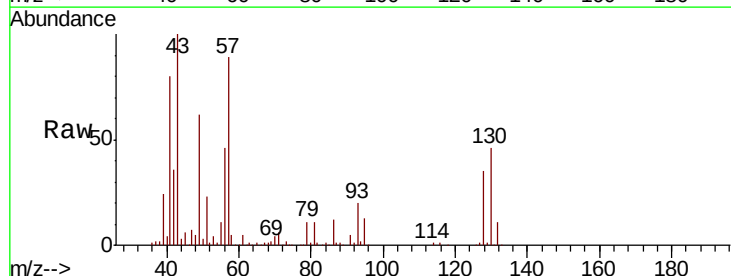
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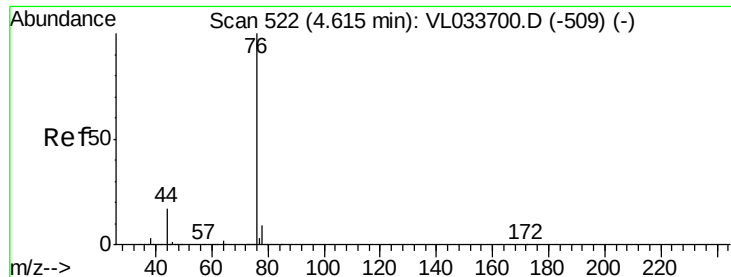
MMDadoda
5/28/2019 2:53:27 AM



#26
Hexane
Concen: 4.789 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.5	69.8	104.6
43	174.8	181.8	272.6#
56	55.9	42.1	63.1





#27

Carbon Disulfide

Concen: 1.768 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

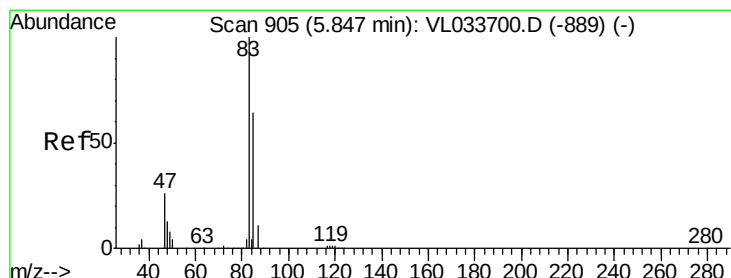
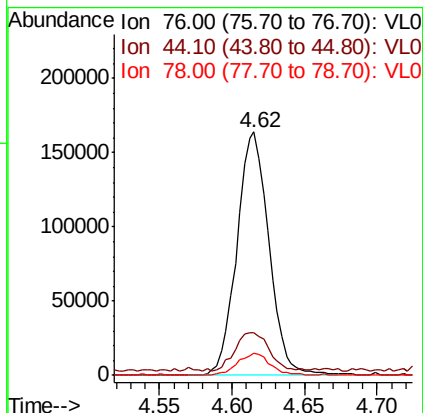
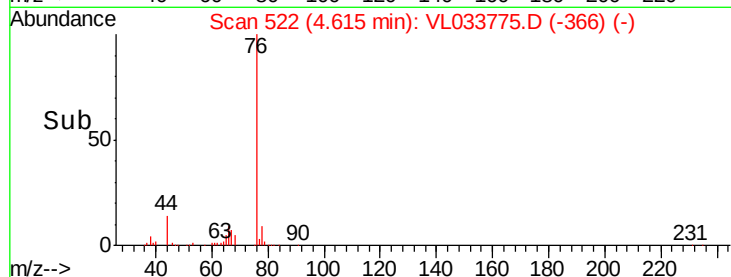
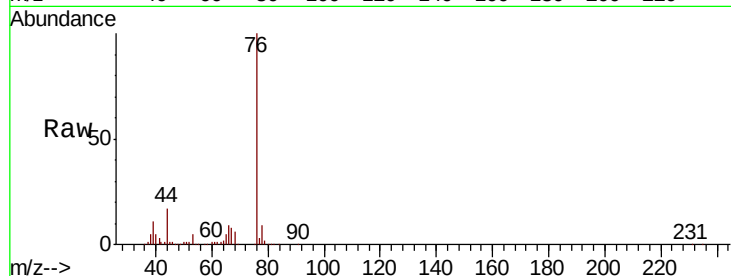
ClientSampleId :

BPS1-SG-3004-25

Tot Ion:	76	Resp:	252199
Ion	Ratio	Lower	Upper
76	100		
44	18.1	13.8	20.8
78	9.5	7.4	11.0

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#29

Chloroform

Concen: 1.665 ppbv

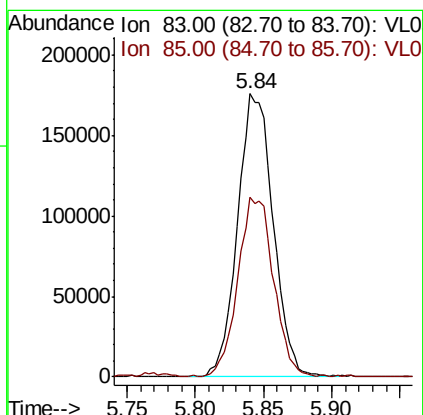
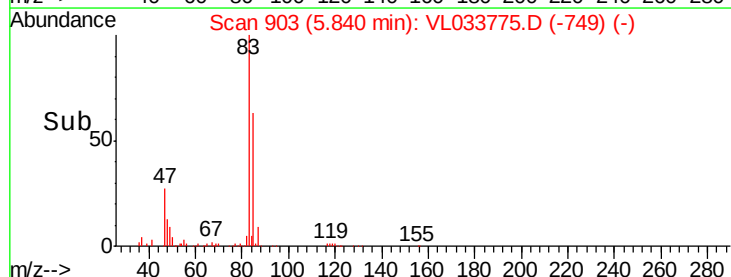
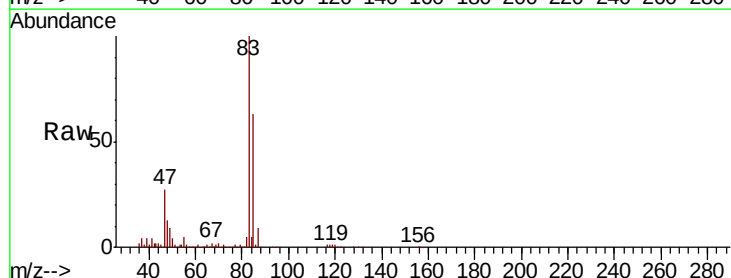
RT: 5.84 min Scan# 903

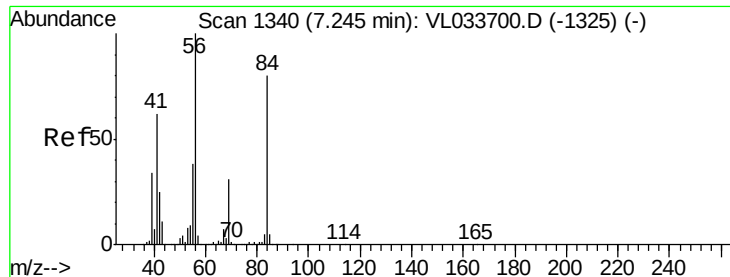
Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Tgt Ion:	83	Resp:	318962
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.5	77.3





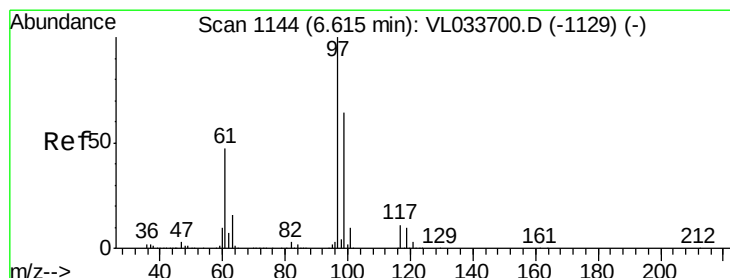
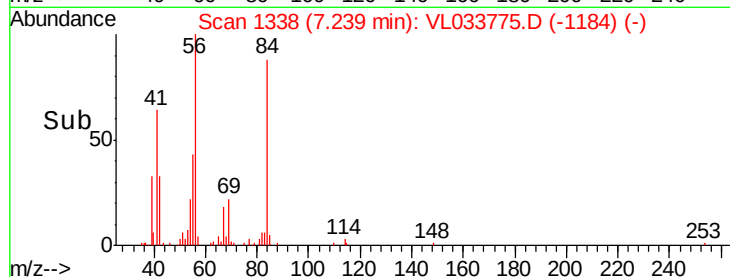
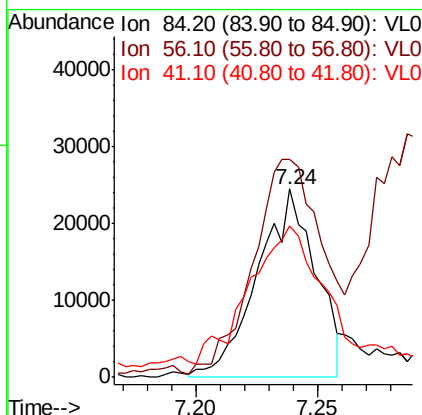
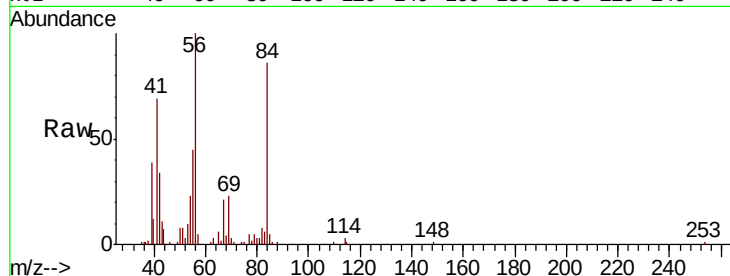
#30
Cyclohexane
Concen: 0.462 ppbv m
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

Tot Ion	Ratio	Lower	Upper
84	100		
56	137.0	107.7	161.5
41	105.2	66.0	99.0#

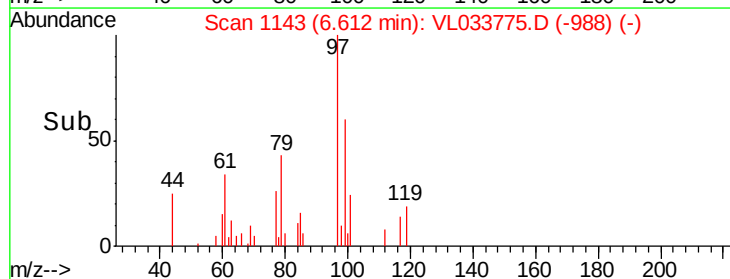
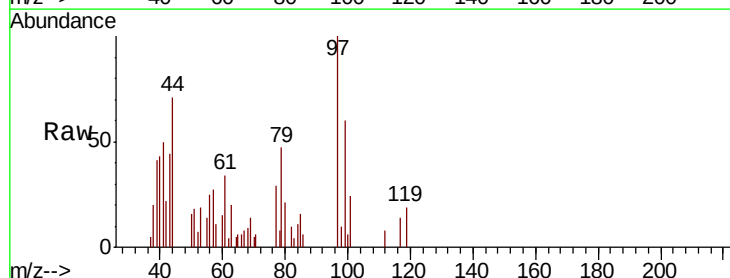
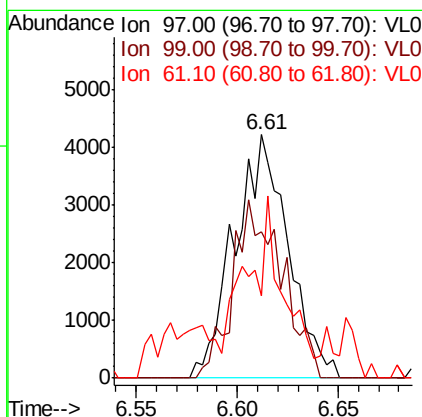
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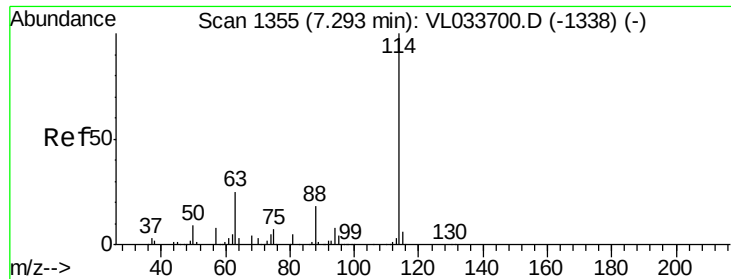
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.041 ppbv m
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	51.5	77.3
61	87.2	37.8	56.8#





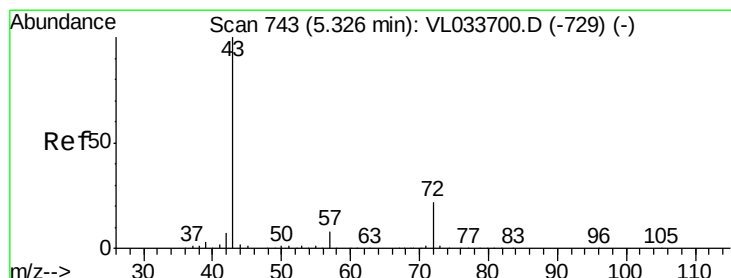
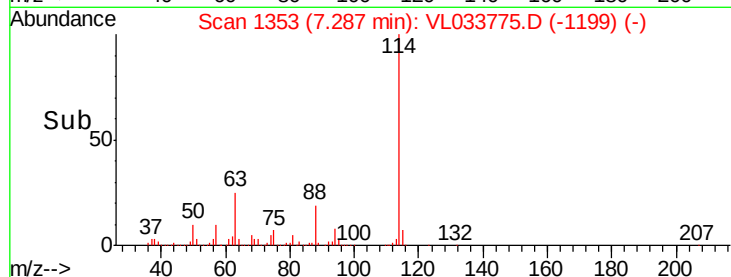
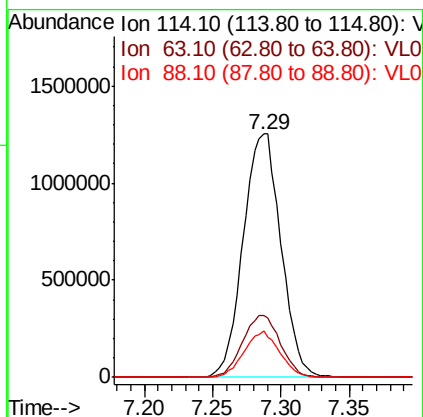
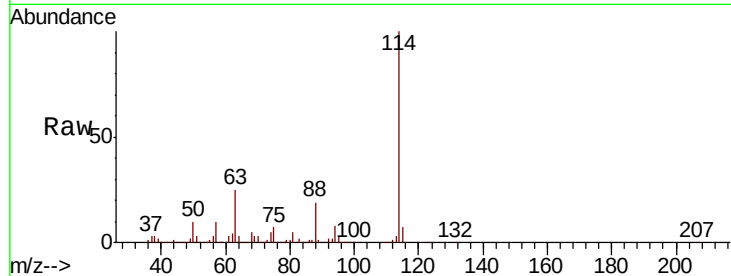
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.9	31.3
88	17.8	14.3	21.5

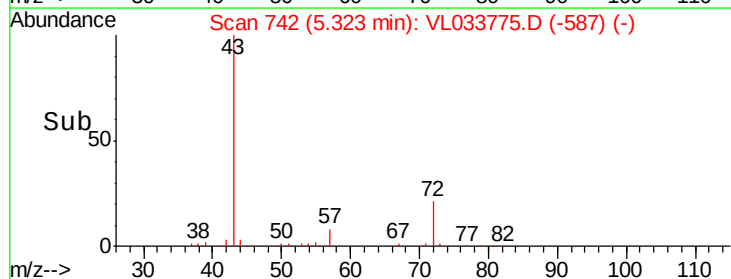
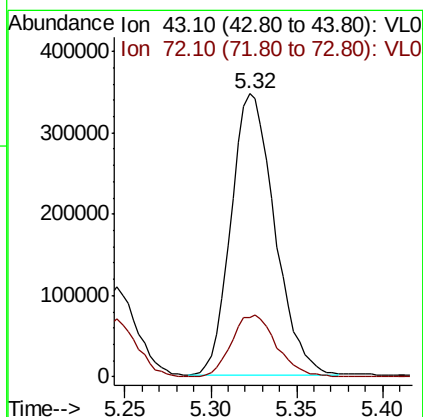
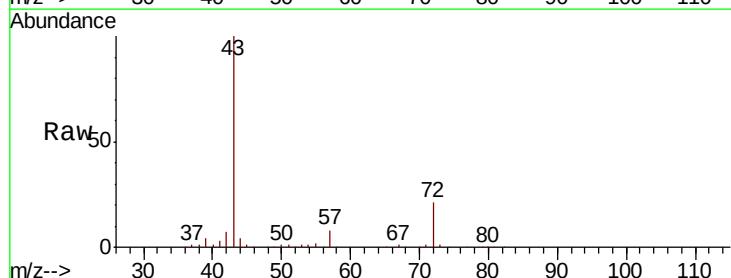
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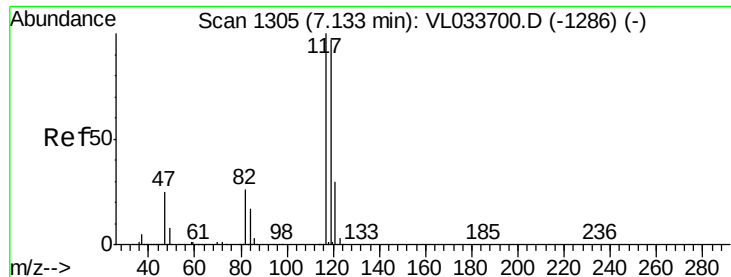
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#34
 2-Butanone
 Concen: 4.111 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6





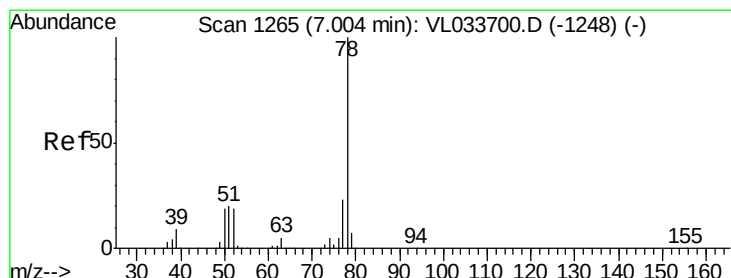
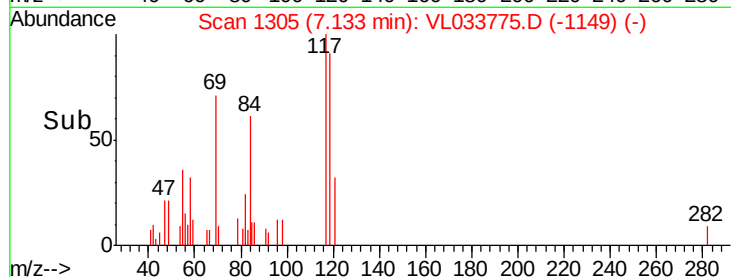
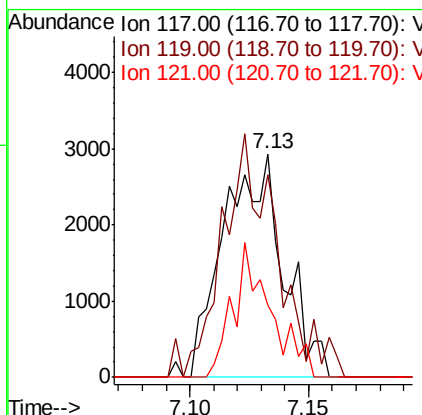
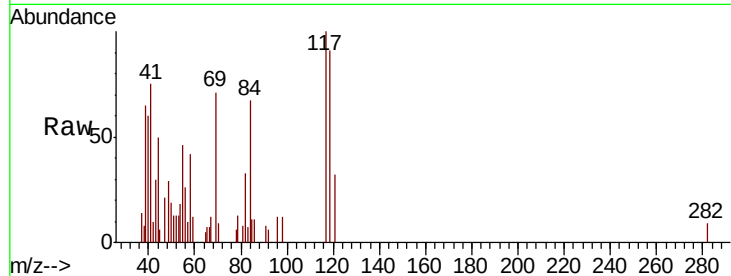
#35
Carbon Tetrachloride
Concen: 0.027 ppbv m
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.9	77.2	115.8
121	32.3	24.1	36.1

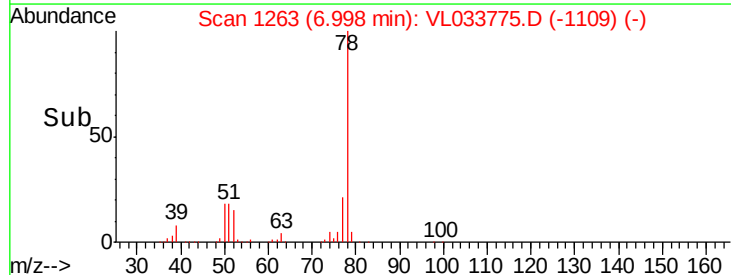
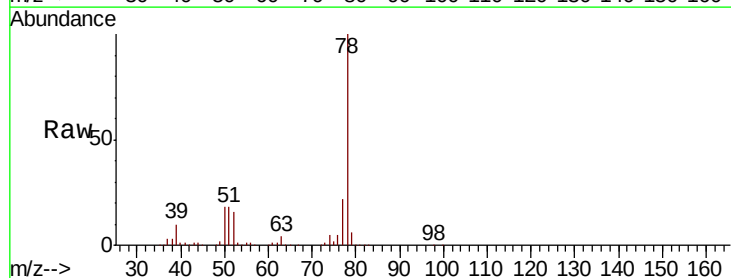
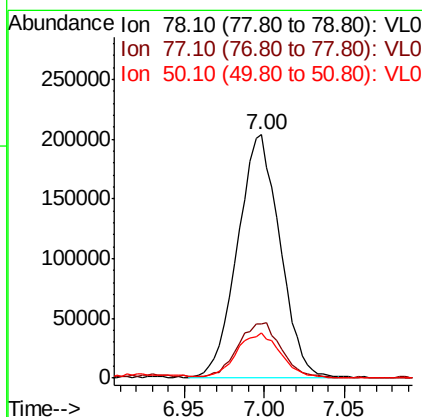
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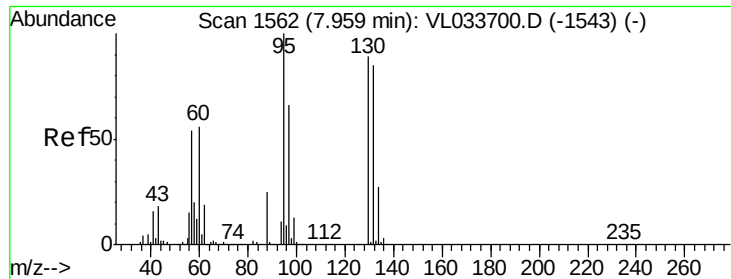
MMDadoda
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#36
Benzene
Concen: 1.666 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.4	27.6
50	18.1	15.5	23.3





#38

Trichloroethene

Concen: 0.036 ppbv m

RT: 7.95 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

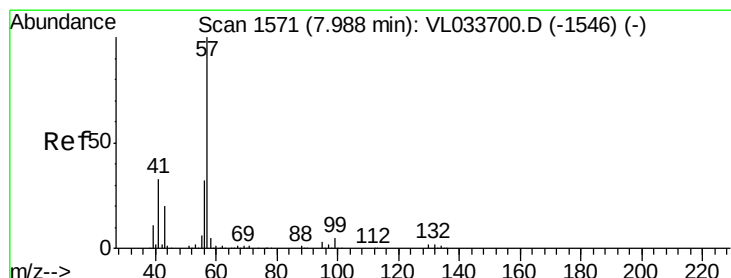
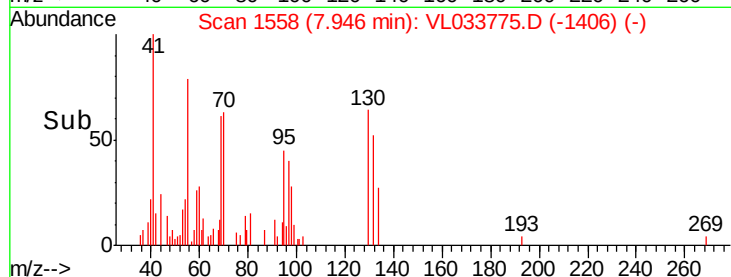
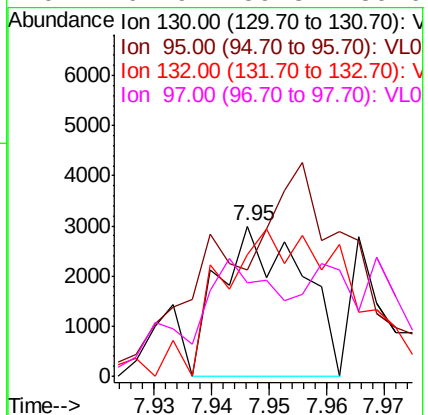
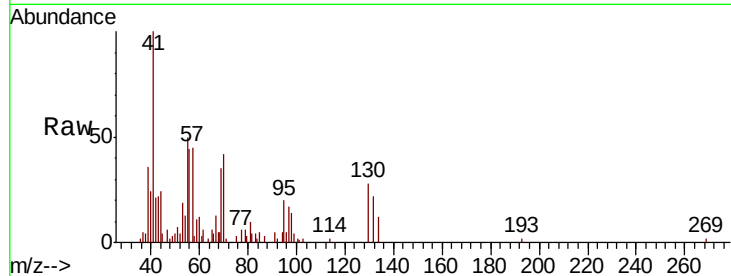
ClientSampleId :

BPS1-SG-3004-25

Tot Ion:	130	Resp:	2962
Ion Ratio	Lower	Upper	
130	100		
95	70.9	90.2	135.4#
132	80.9	76.4	114.6
97	61.9	59.8	89.6

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#44

2,2,4-Trimethylpentane

Concen: 0.400 ppbv

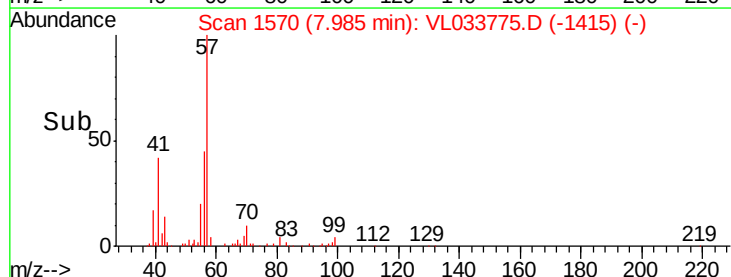
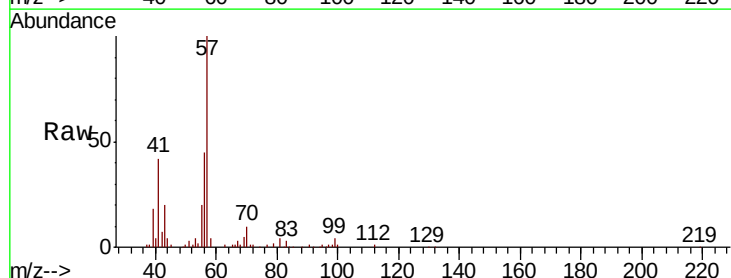
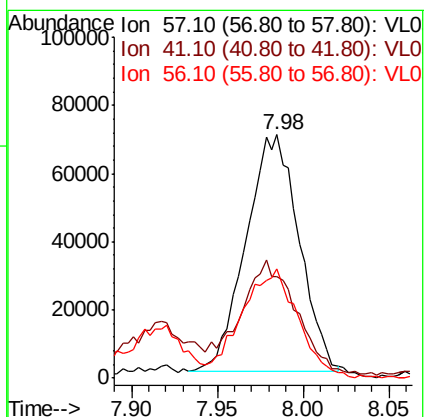
RT: 7.98 min Scan# 1570

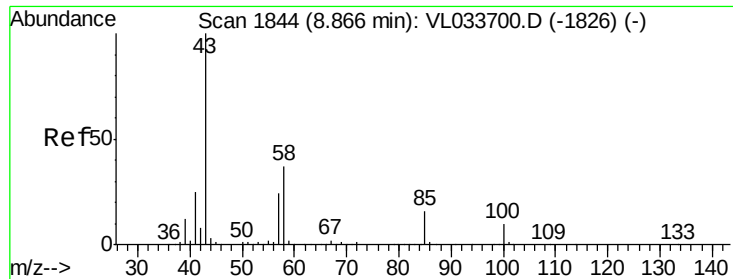
Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Tgt Ion:	57	Resp:	148180
Ion Ratio	Lower	Upper	
57	100		
41	53.2	25.4	38.0#
56	49.7	24.7	37.1#





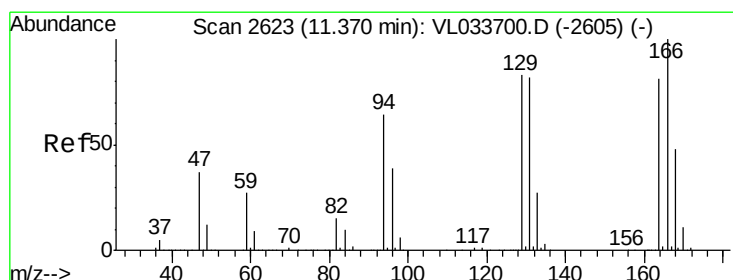
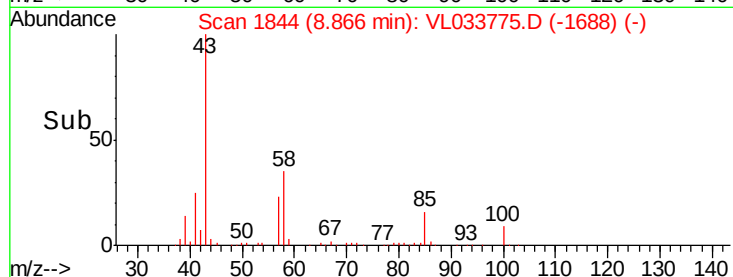
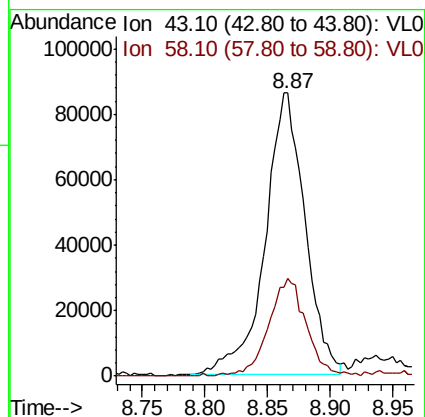
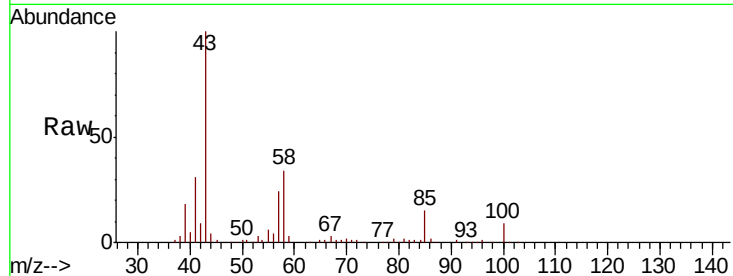
#50
4-Methyl-2-Pentanone
Concen: 0.832 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.7	28.6	43.0

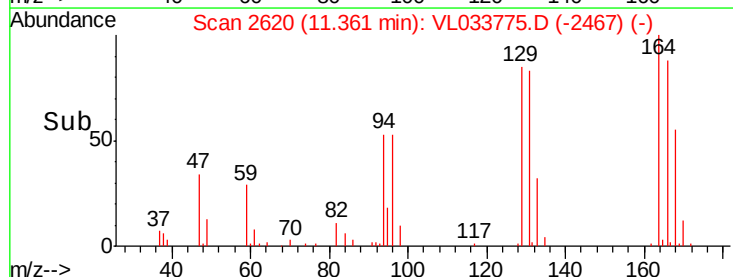
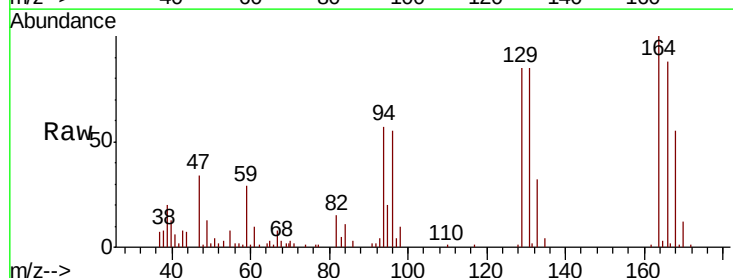
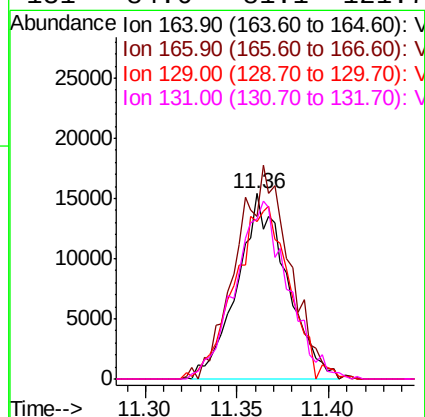
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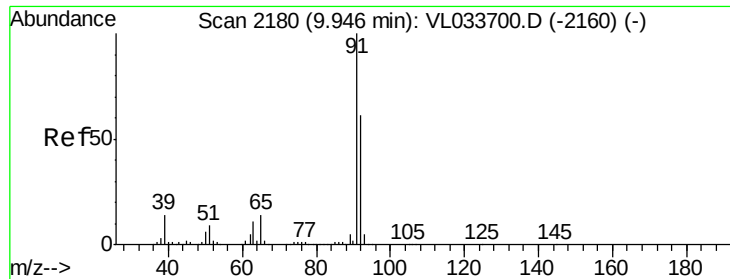
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#52
Tetrachloroethene
Concen: 0.374 ppbv m
RT: 11.36 min Scan# 2620
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	88.0	98.9	148.3#
129	85.3	81.8	122.6
131	84.6	81.1	121.7





#53

Toluene

Concen: 22.783 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

Tot Ion: 91 Resp: 5385524

Ion Ratio Lower Upper

91 100

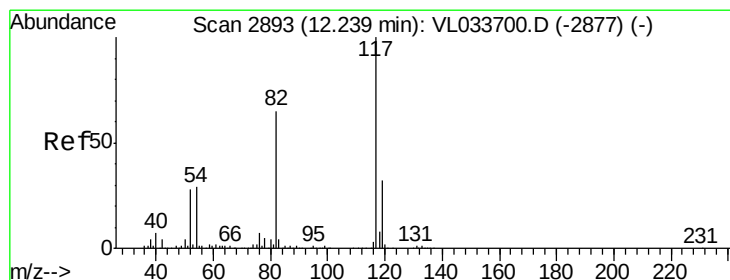
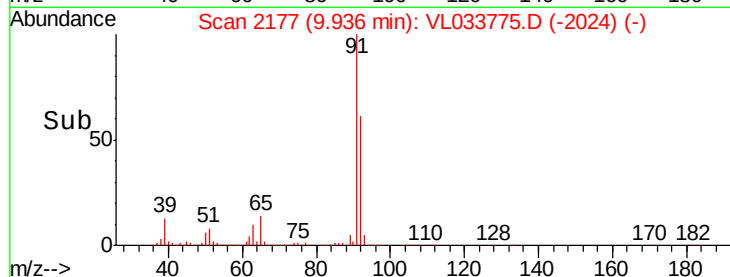
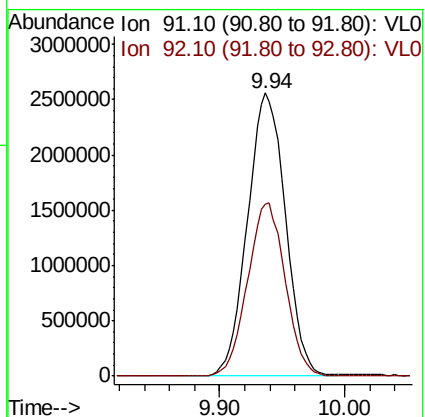
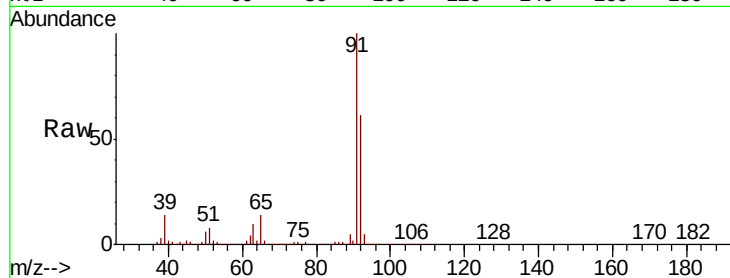
92 60.9 47.6 71.4

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5/28/2019 2:53:27 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

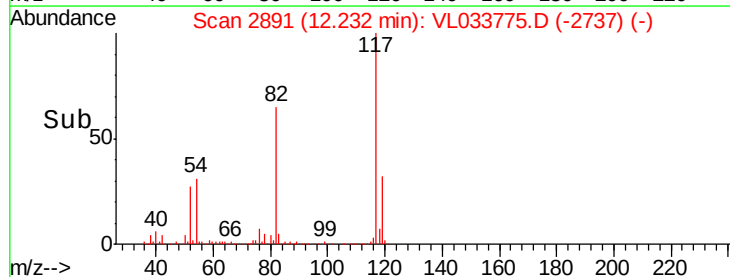
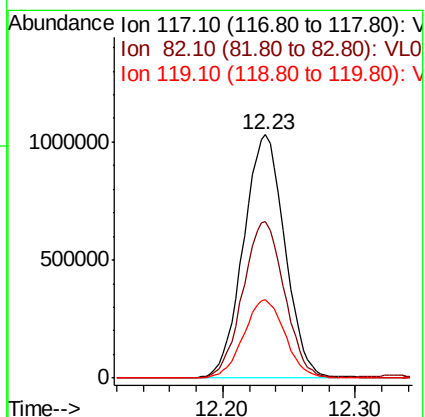
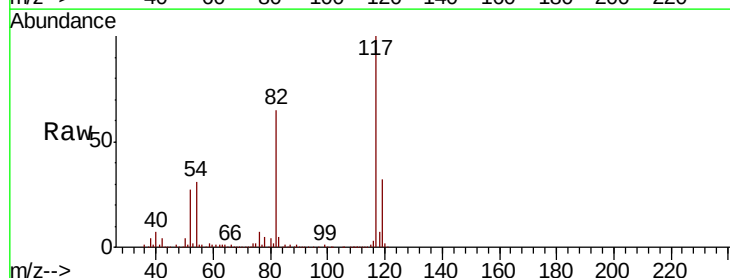
Tgt Ion: 117 Resp: 2237101

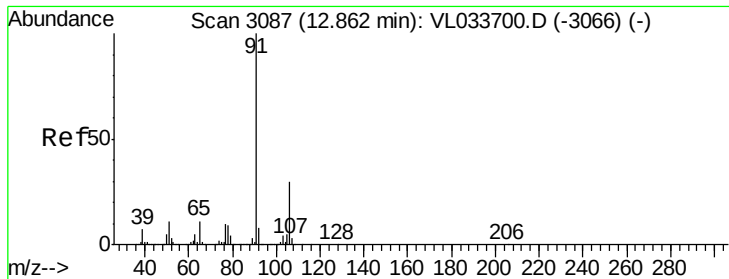
Ion Ratio Lower Upper

117 100

82 64.6 49.4 74.0

119 32.3 24.9 37.3





#58

Ethyl Benzene

Concen: 3.449 ppbv

RT: 12.86 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

Tot Ion: 91 Resp: 1021690

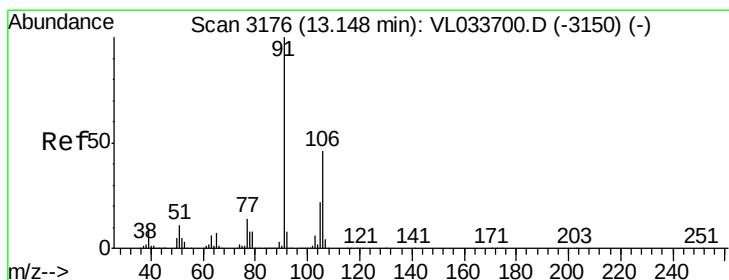
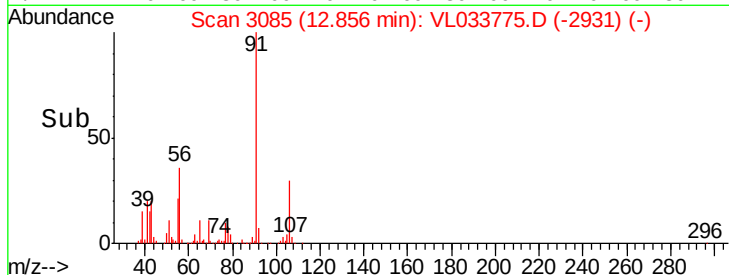
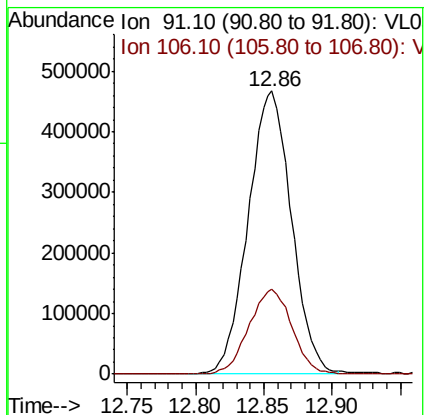
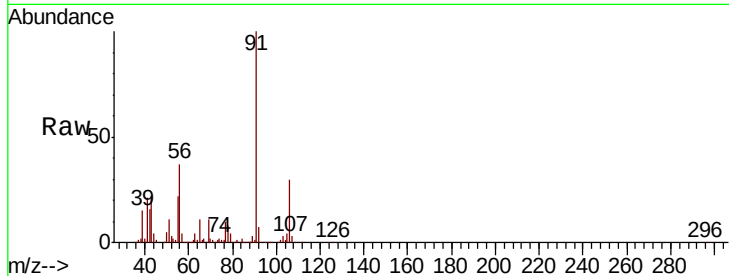
Ion Ratio Lower Upper

91 100

106 30.0 23.9 35.9

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#59

m/p-Xylene

Concen: 12.935 ppbv

RT: 13.11 min Scan# 3164

Delta R.T. -0.04 min

Lab File: VL033775.D

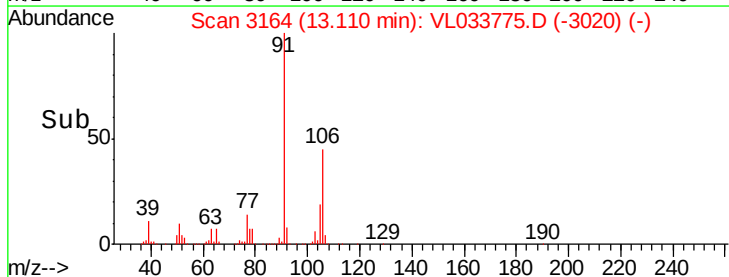
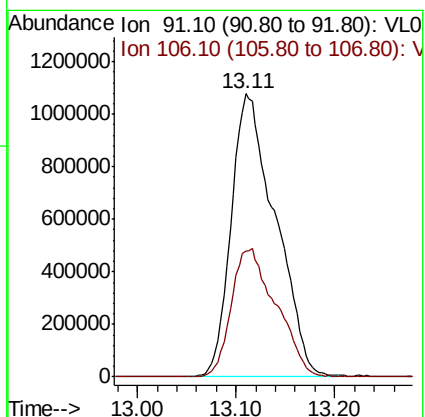
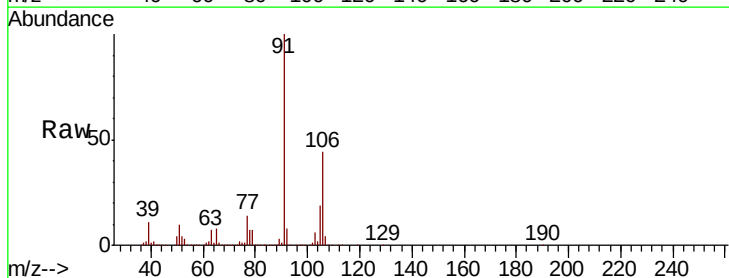
Acq: 23 May 2019 16:08

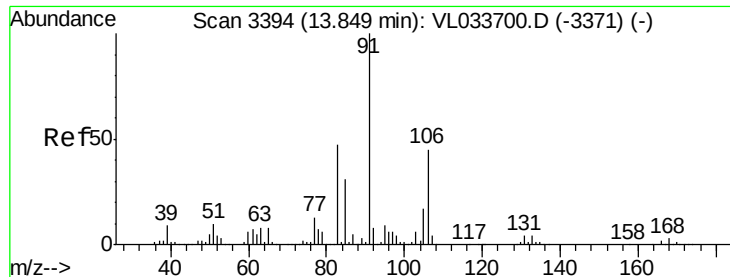
Tgt Ion: 91 Resp: 3349669

Ion Ratio Lower Upper

91 100

106 46.1 35.8 53.6





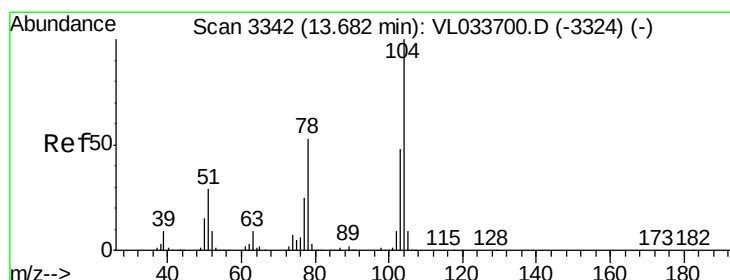
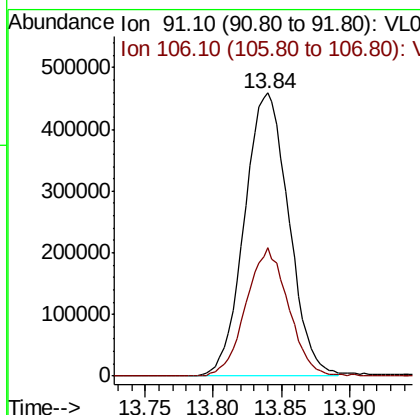
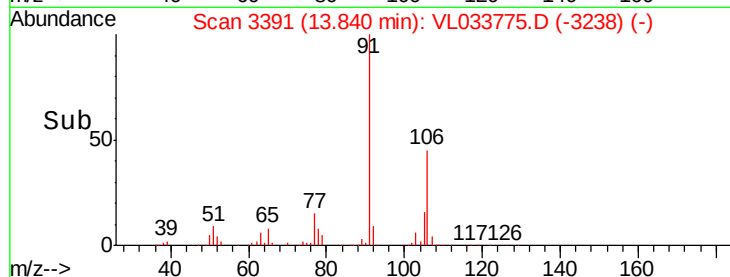
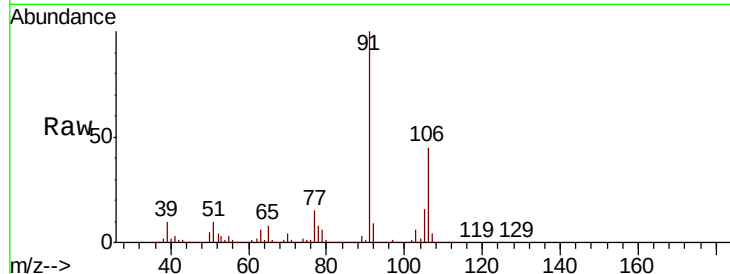
#60
o-Xylene
Concen: 3.939 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Instrument :
MSVOA_L
ClientSampled :
BPS1-SG-3004-25

Tot Ion: 91 Resp: 1028433
Ion Ratio Lower Upper
91 100
106 43.8 21.6 64.8

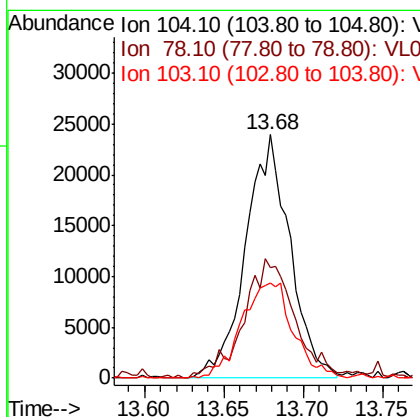
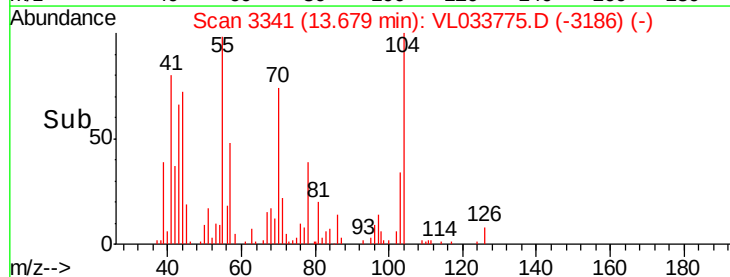
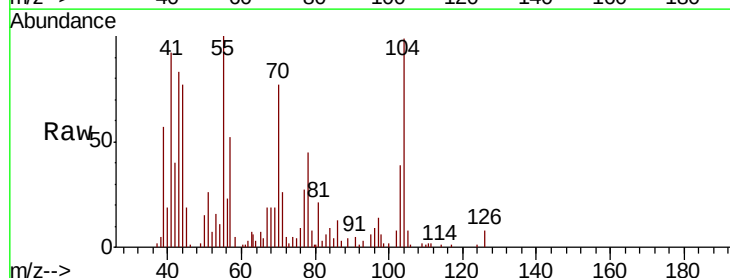
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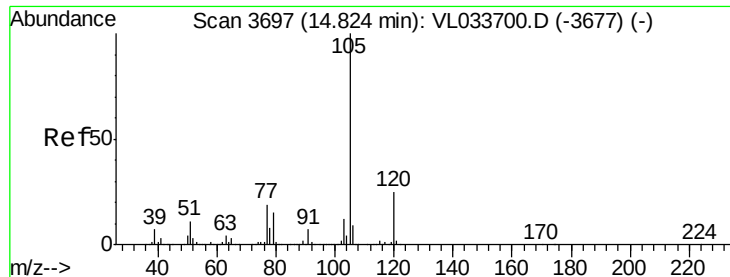
MMDadoda
5/28/2019 2:53:27 AM



#61
Styrene
Concen: 0.263 ppbv m
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion: 104 Resp: 46170
Ion Ratio Lower Upper
104 100
78 0.0 42.6 64.0#
103 0.0 37.8 56.6#





#62

Isopropylbenzene

Concen: 0.162 ppbv m

RT: 14.81 min Scan# 3694

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

Tot Ion:105 Resp: 57114

Ion Ratio Lower Upper

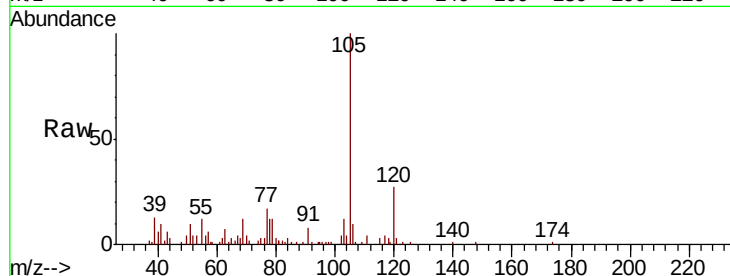
105 100

120 28.1 20.1 30.1

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.81

25000

20000

15000

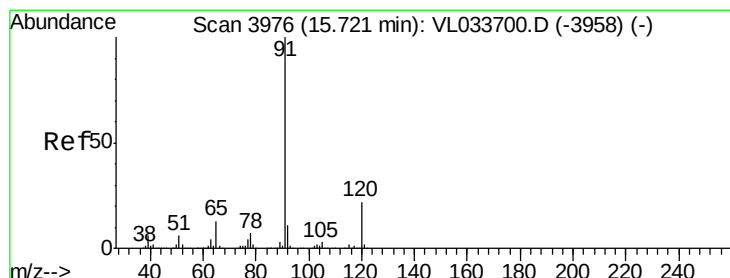
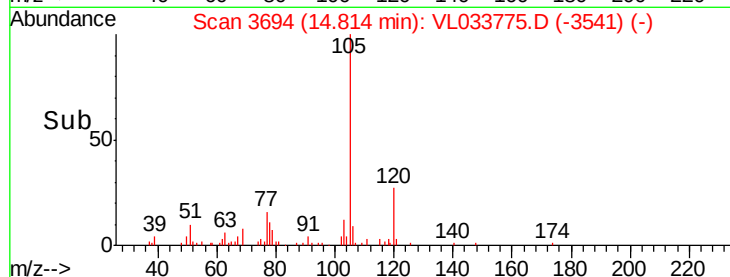
10000

5000

0

Time-->

14.75 14.80 14.85



#64

n-propylbenzene

Concen: 0.620 ppbv

RT: 15.71 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL033775.D

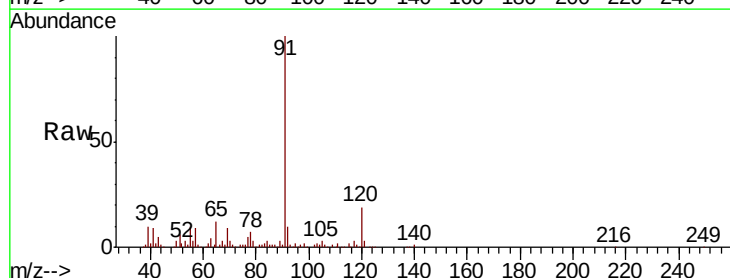
Acq: 23 May 2019 16:08

Tgt Ion:120 Resp: 56383

Ion Ratio Lower Upper

120 100

91 531.7 379.1 568.7



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

15.71

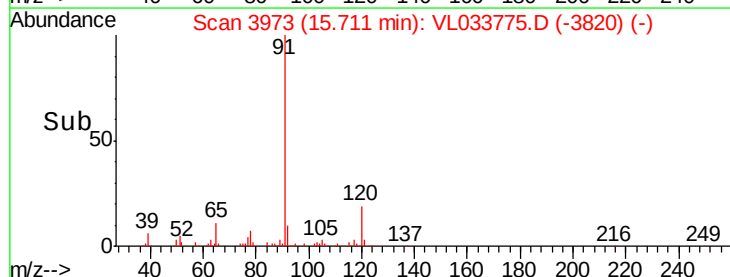
100000

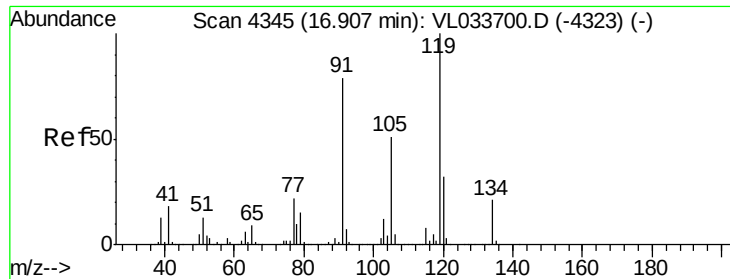
50000

0

Time-->

15.65 15.70 15.75





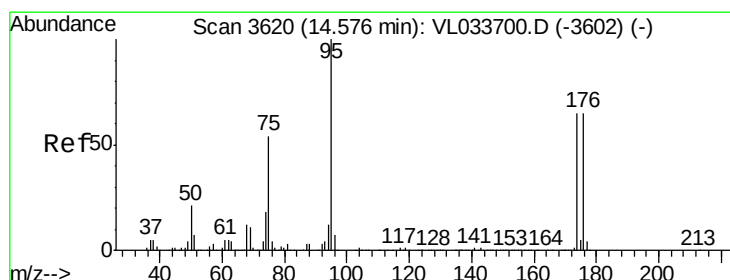
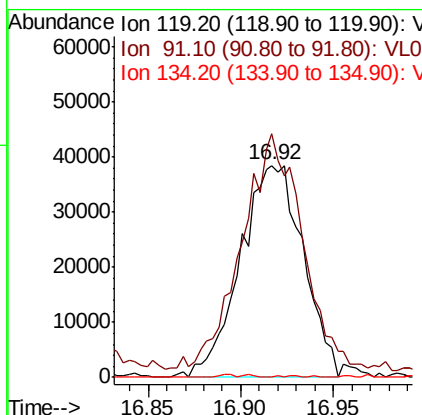
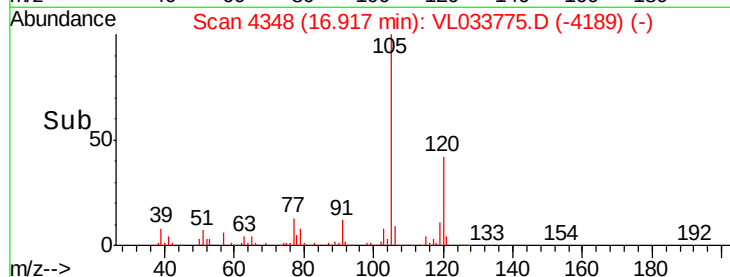
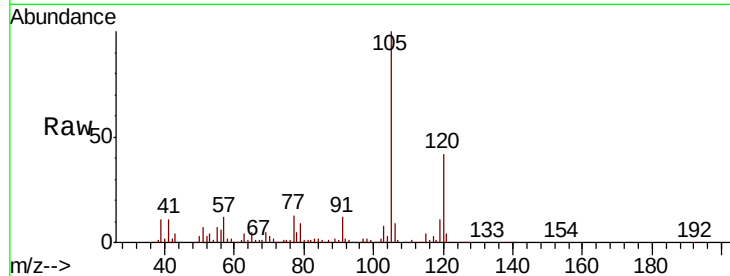
#65
 tert-Butylbenzene
 Concen: 0.283 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. 0.01 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

Tot Ion	Ratio	Lower	Upper
119	100		
91	106.4	65.3	97.9#
134	0.6	15.7	23.5#

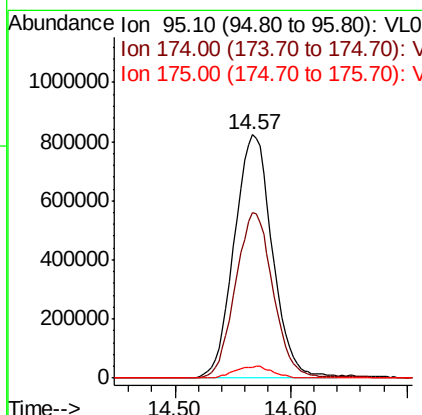
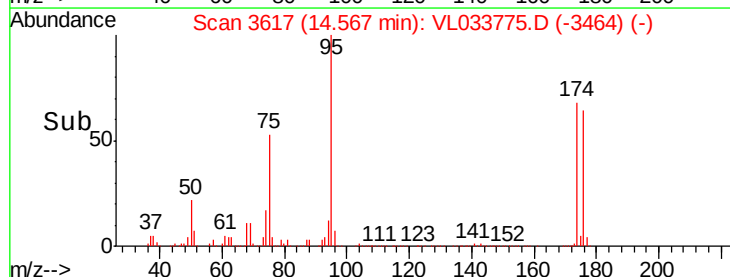
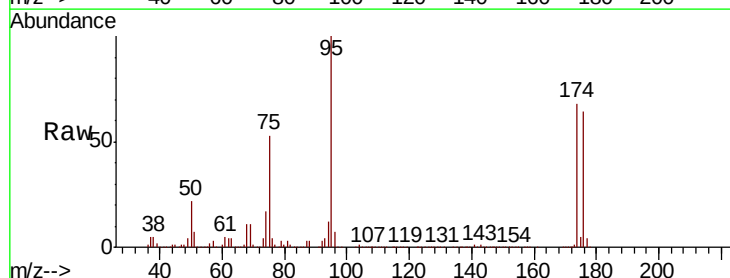
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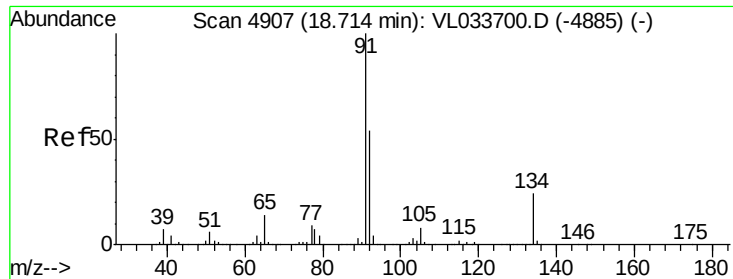
MMDadoda
 5/28/2019 2:53:27 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.367 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.0	53.9	80.9
175	4.9	3.8	5.8





#70

n-Butylbenzene

Concen: 0.265 ppbv m

RT: 18.72 min Scan# 4909

Delta R.T. 0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

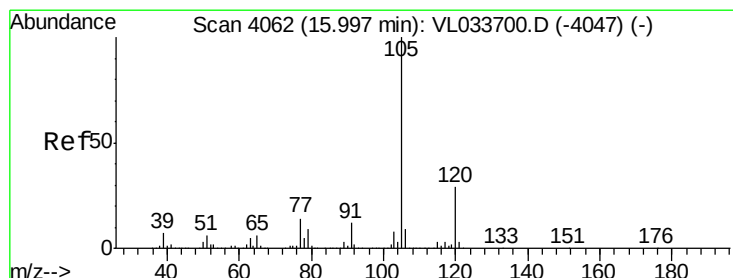
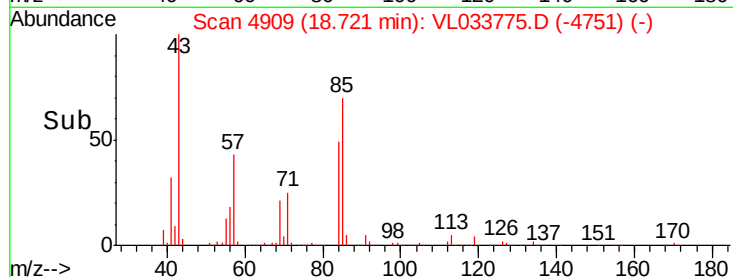
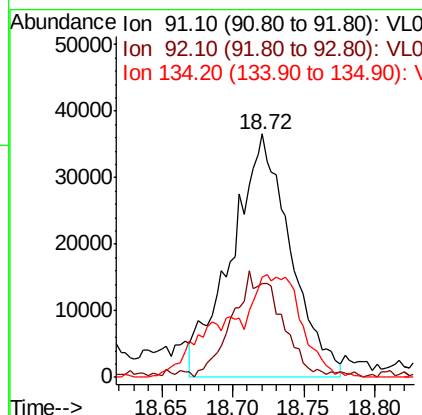
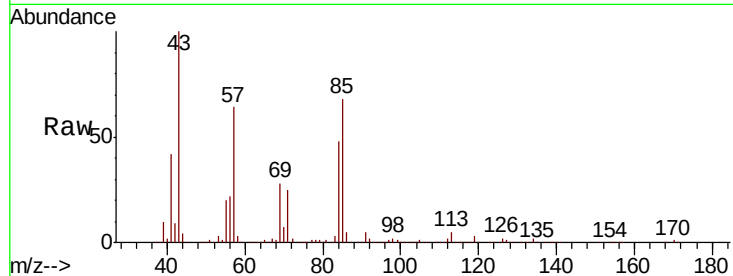
ClientSampleId :

BPS1-SG-3004-25

Tot Ion:	91	Resp:	105435
Ion Ratio	Lower	Upper	
91	100		
92	36.4	42.6	63.8#
134	0.0	18.1	27.1#

Manual Integrations
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#72

4-Ethyltoluene

Concen: 1.073 ppbv

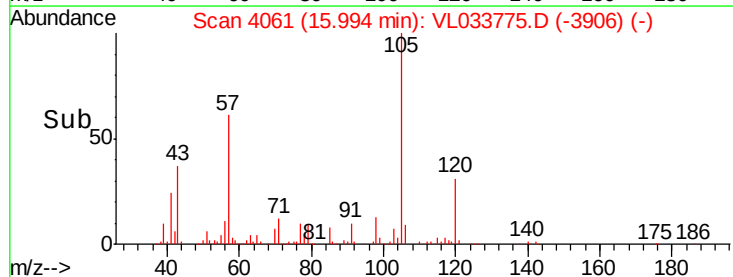
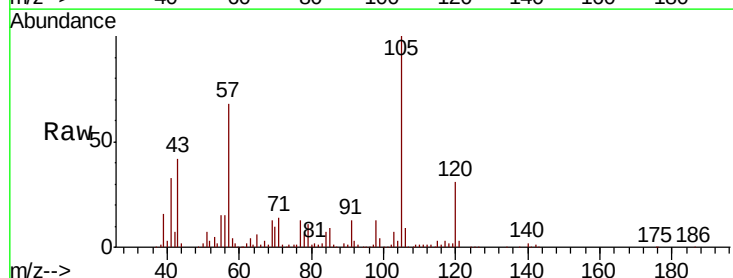
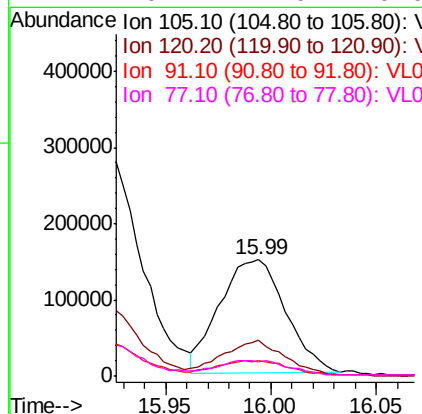
RT: 15.99 min Scan# 4061

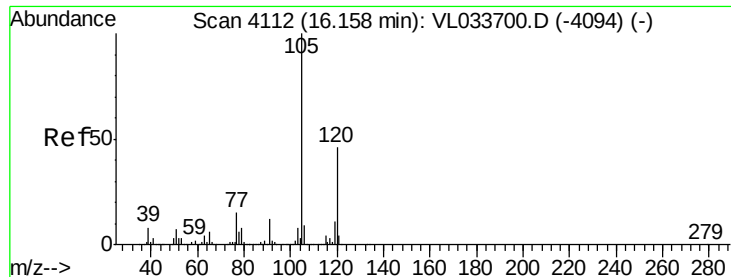
Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Tgt Ion:	105	Resp:	320302
Ion Ratio	Lower	Upper	
105	100		
120	30.9	23.1	34.7
91	13.6	10.4	15.6
77	16.7	11.0	16.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.747 ppbv

RT: 16.15 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

Tot Ion:105 Resp: 217527

Ion Ratio Lower Upper

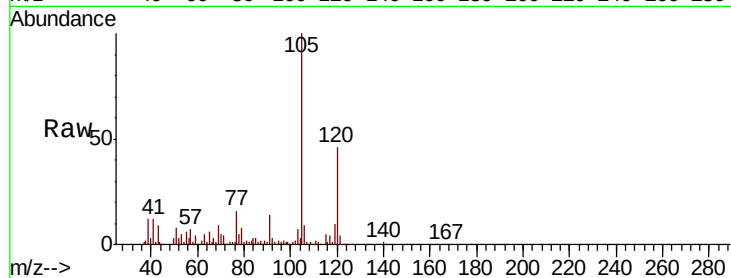
105 100

120 46.2 37.0 55.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.15

100000

80000

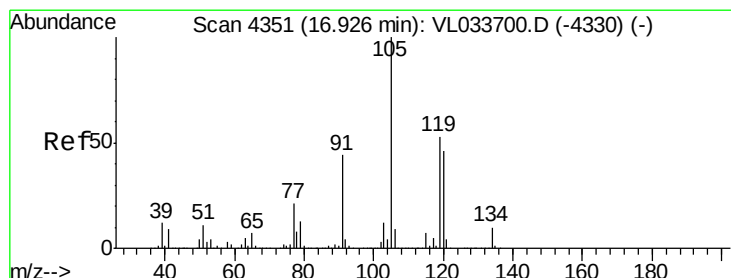
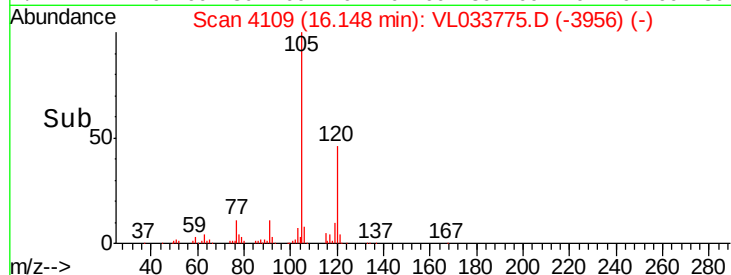
60000

40000

20000

0

Time--> 16.05 16.10 16.15 16.20



#74

1,2,4-Trimethylbenzene

Concen: 2.652 ppbv

RT: 16.92 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Tgt Ion:105 Resp: 840401

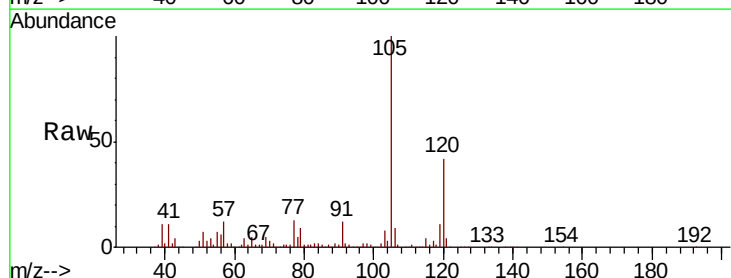
Ion Ratio Lower Upper

105 100

120 42.2 36.8 55.2

91 11.5 35.4 53.0#

77 12.3 16.8 25.2#



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

16.92

500000

400000

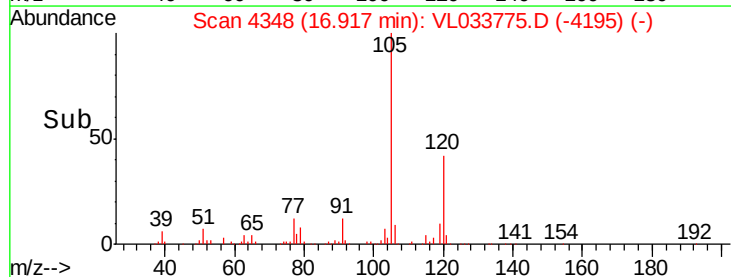
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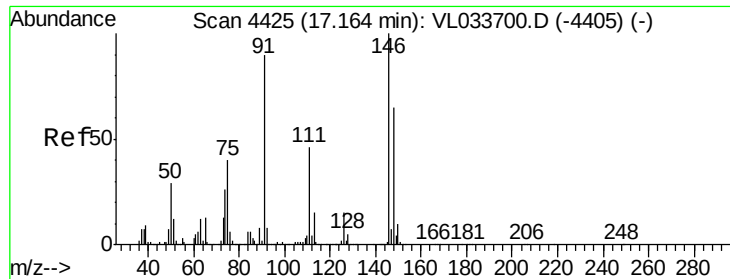
200000

100000

0

Time--> 16.80 16.90 17.00





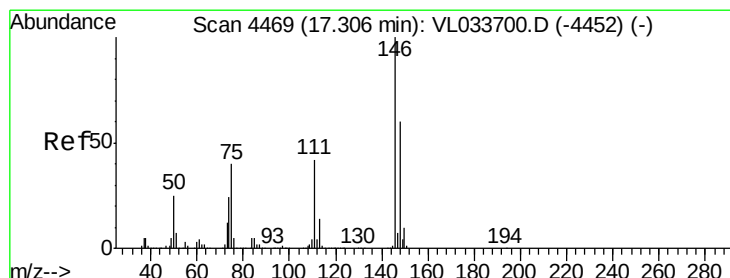
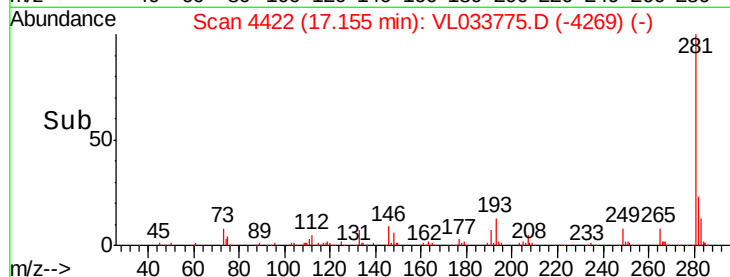
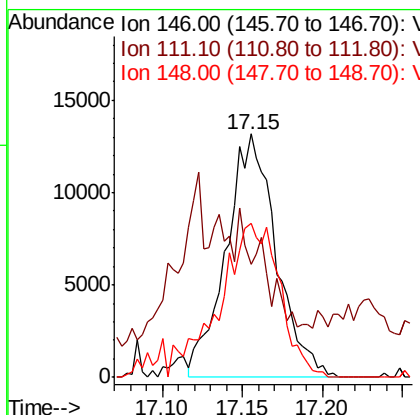
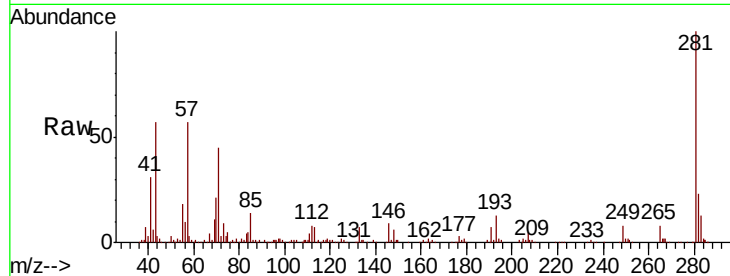
#75
 1,3-Dichlorobenzene
 Concen: 0.145 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. -0.01 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.9	68.8#
148	81.4	32.0	96.2

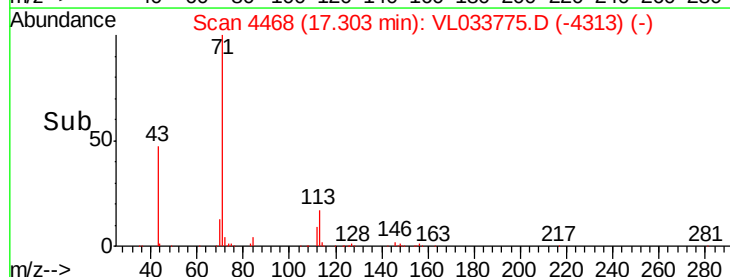
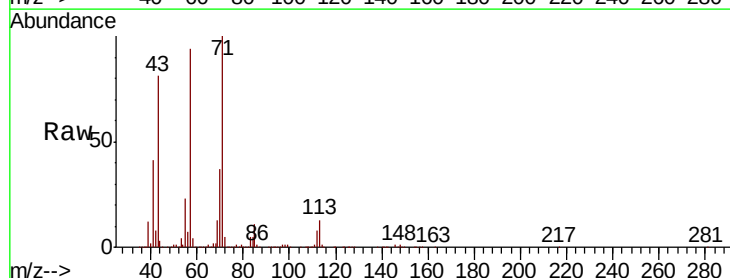
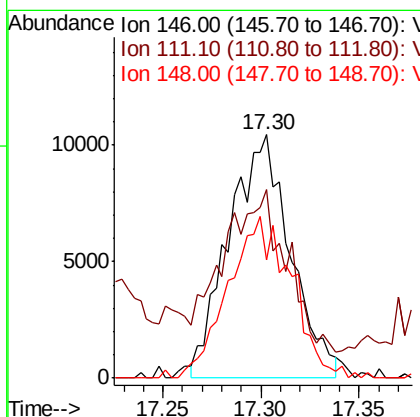
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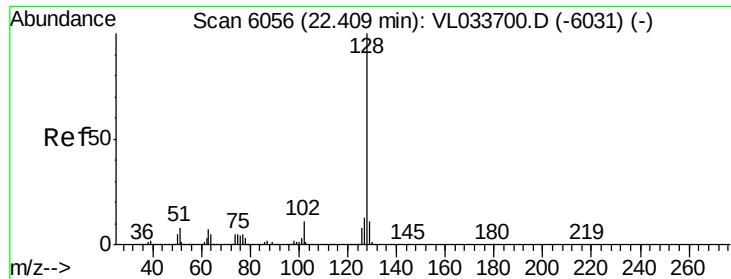
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#76
 1,4-Dichlorobenzene
 Concen: 0.124 ppbv m
 RT: 17.30 min Scan# 4468
 Delta R.T. -0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	68.4	21.9	65.8#
148	68.5	32.1	96.3





#79

Naphthalene

Concen: 0.344 ppbv m

RT: 22.42 min Scan# 6058

Delta R.T. 0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

Tot Ion:	128	Resp:	101352
Ion Ratio	Lower	Upper	
128	100		
127	16.7	10.6	16.0#
129	12.2	8.9	13.3

Manual Integrations
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5/28/2019 2:53:27 AM

