

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033789.D
 Acq On : 24 May 2019 1:24
 Operator : SY/AP
 Sample : K2929-08
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP-01

Manual Integrations
 APPROVED

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

Quant Time: May 24 07:21:55 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	873942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2397251	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2499623	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1945301	9.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	86078	0.467	ppbv	97
3) Chlorodifluoromethane	3.01	51	30559	0.305	ppbv	98
4) Chloromethane	3.17	50	12878	0.225	ppbv #	88
9) Propene	3.03	41	5281760	124.045	ppbv	96
10) Heptane	8.24	43	323604	2.684	ppbv	97
11) Trichlorofluoromethane	4.00	101	148111	0.843	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	17255	0.141	ppbv	99
13) Ethanol	3.66	45	1267678	92.113	ppbv	99
15) Acetone	3.89	43	10102595	83.317	ppbv #	81
17) tert-Butyl alcohol	4.36	59	405121	4.132	ppbv	97
20) Methylene Chloride	4.41	84	86219	1.847	ppbv	95
26) Hexane	5.78	57	430590	4.702	ppbv #	1
27) Carbon Disulfide	4.62	76	249286	1.984	ppbv	97
29) Chloroform	5.85	83	76314	0.452	ppbv	95
30) Cyclohexane	7.24	84	46992m	0.610	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	11307m	0.067	ppbv	
34) 2-Butanone	5.33	43	2849278	19.175	ppbv	97
36) Benzene	7.00	78	518332	2.377	ppbv	95
44) 2,2,4-Trimethylpentane	7.98	57	108272m	0.294	ppbv	
50) 4-Methyl-2-Pentanone	8.87	43	160203	0.701	ppbv	99
51) 2-Hexanone	10.26	43	294051	1.648	ppbv #	94
52) Tetrachloroethene	11.37	164	15304	0.200	ppbv #	86
53) Toluene	9.94	91	4288574	18.233	ppbv	98
58) Ethyl Benzene	12.86	91	477529	1.443	ppbv	99
59) m/p-Xylene	13.12	91	1394389	4.819	ppbv	96
60) o-Xylene	13.84	91	515083	1.766	ppbv	97
61) Styrene	13.68	104	44864	0.228	ppbv	99
62) Isopropylbenzene	14.82	105	53157m	0.135	ppbv	
64) n-propylbenzene	15.72	120	28513m	0.281	ppbv	
70) n-Butylbenzene	18.72	91	60865m	0.137	ppbv	
72) 4-Ethyltoluene	15.99	105	167289	0.502	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	129873	0.399	ppbv #	86
74) 1,2,4-Trimethylbenzene	16.92	105	527099	1.488	ppbv #	75
75) 1,3-Dichlorobenzene	17.16	146	52549	0.242	ppbv #	60
76) 1,4-Dichlorobenzene	17.30	146	30143m	0.146	ppbv	
79) Naphthalene	22.41	128	137444	0.418	ppbv #	94

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

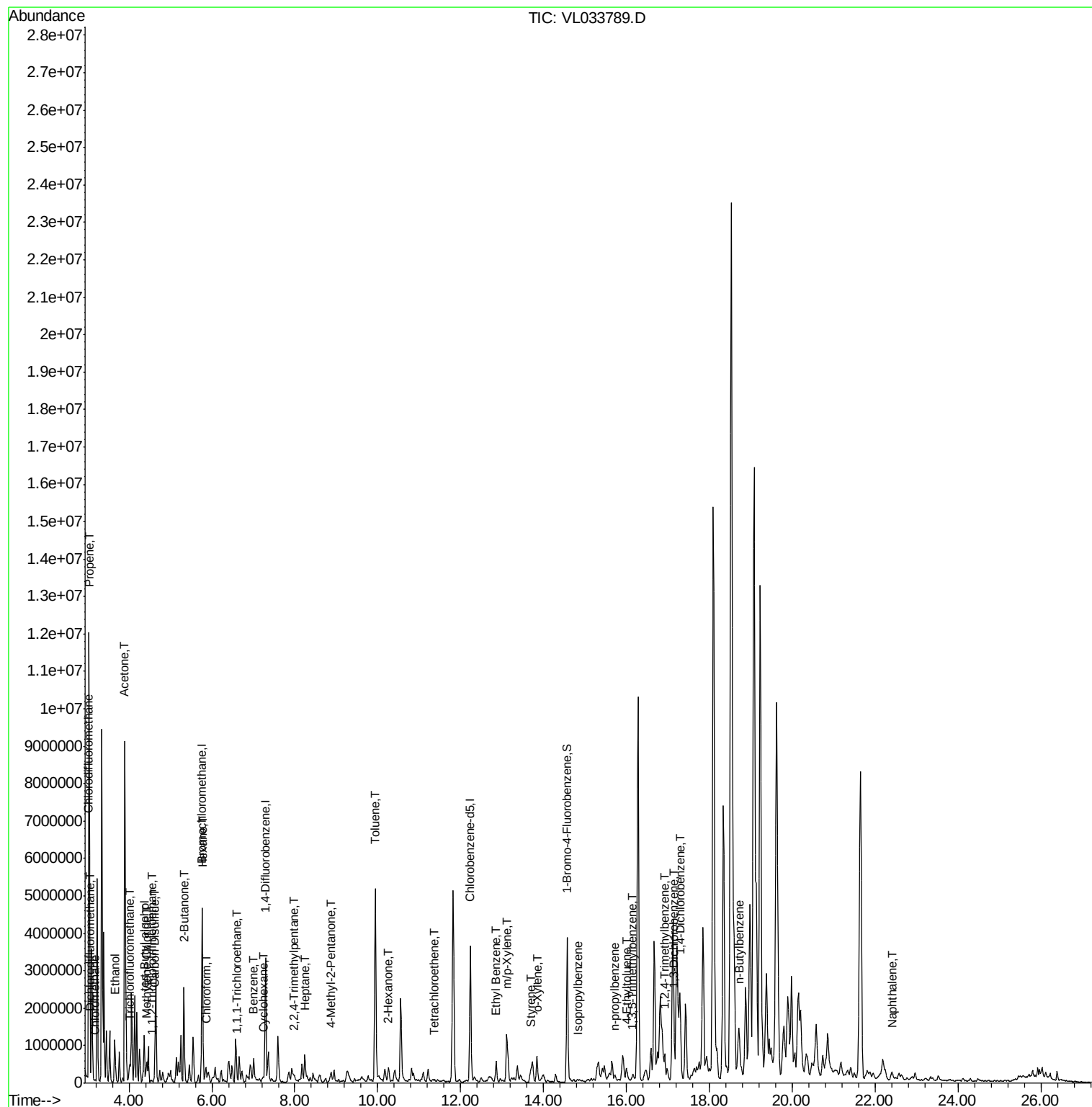
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
Data File : VL033789.D
Acq On : 24 May 2019 1:24
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

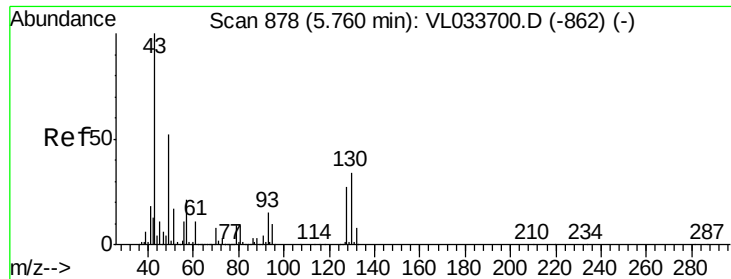
Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01

Manual Integrations
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Quant Time: May 24 07:21:55 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# 879

Delta R.T. 0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

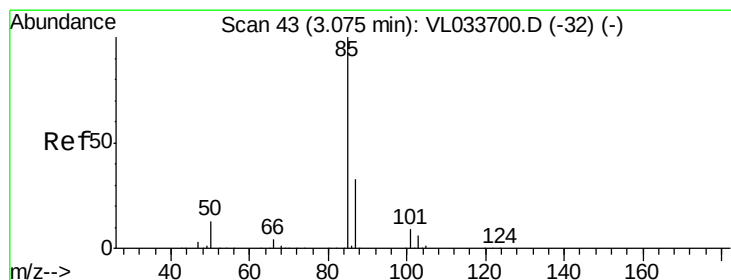
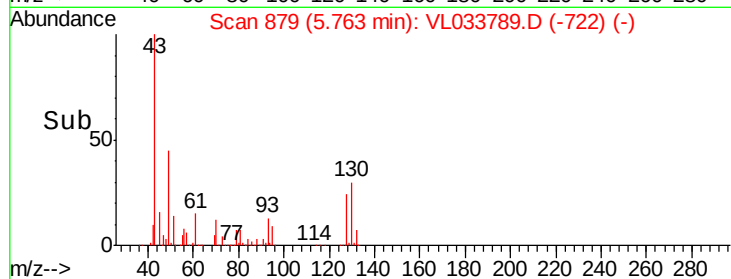
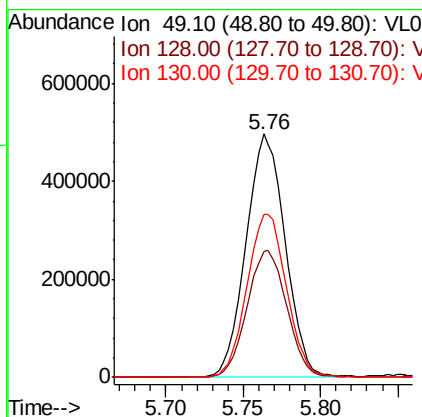
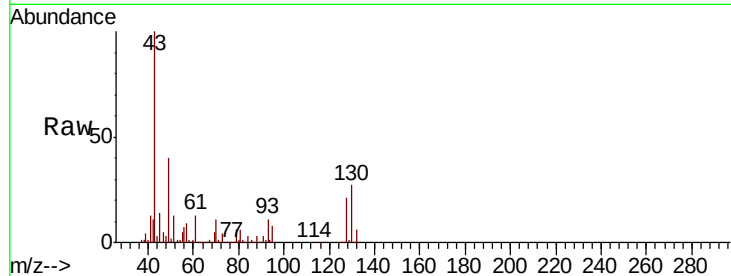
ClientSampleId :

BPS1-DUP-01

Tot Ion	Ratio	Lower	Upper
49	100		
128	53.4	25.2	75.6
130	68.1	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 0.467 ppbv

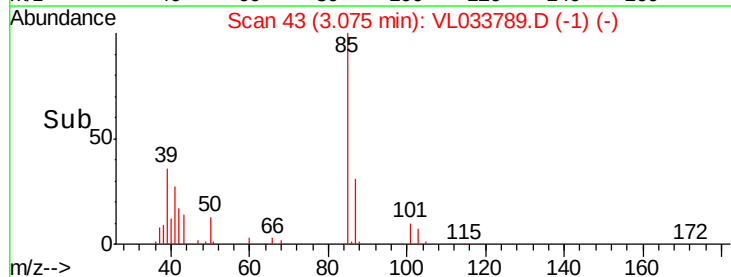
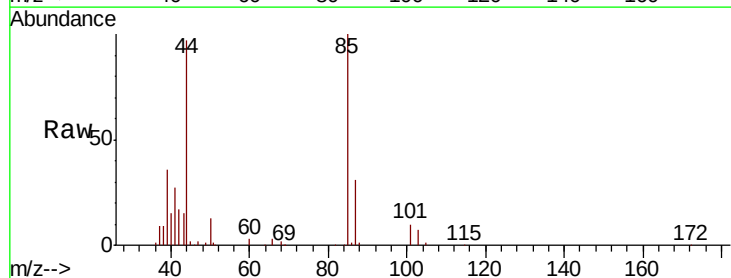
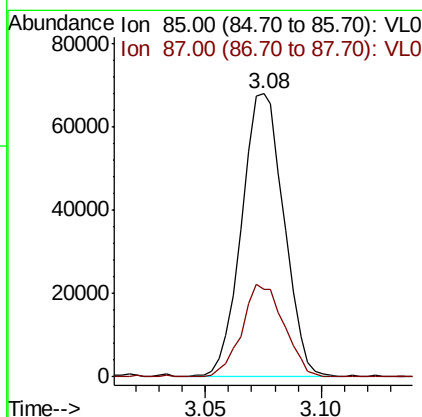
RT: 3.08 min Scan# 43

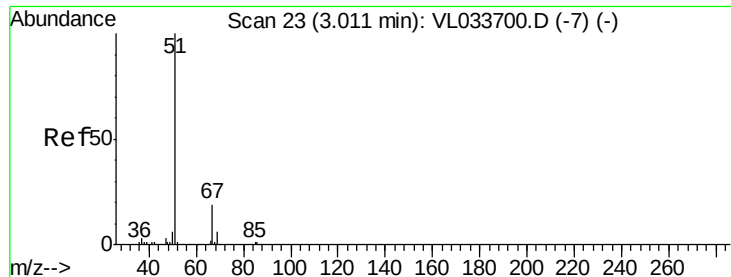
Delta R.T. 0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.3	39.5





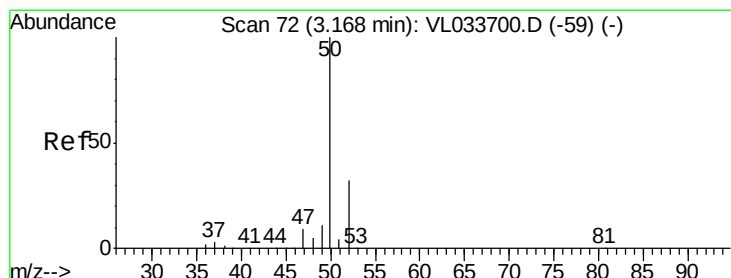
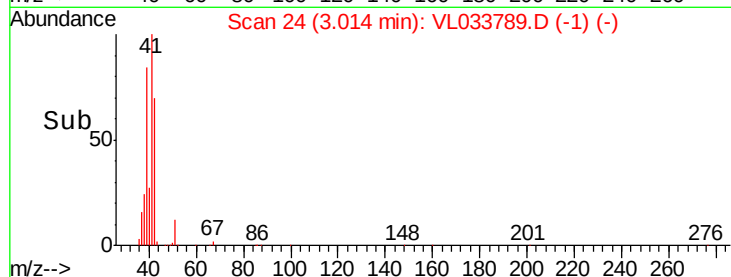
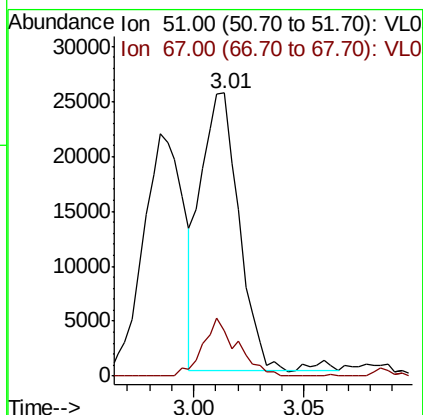
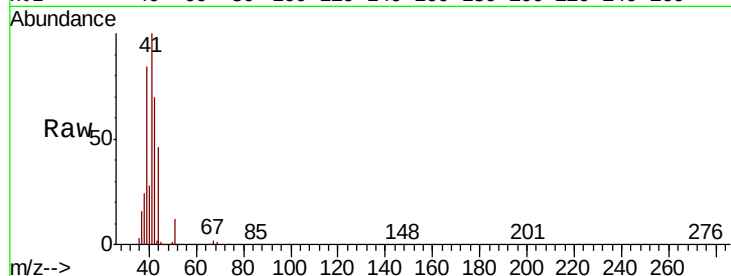
#3
 Chlorodifluoromethane
 Concen: 0.305 ppbv
 RT: 3.01 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VL033789.D
 Acq: 24 May 2019 1:24

Instrument :
 MSVOA_L
 ClientSampled :
 BPS1-DUP-01

Tot Ion: 51 Resp: 30559
 Ion Ratio Lower Upper
 51 100
 67 18.6 15.6 23.4

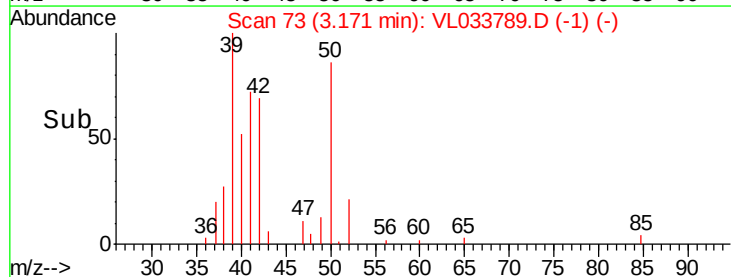
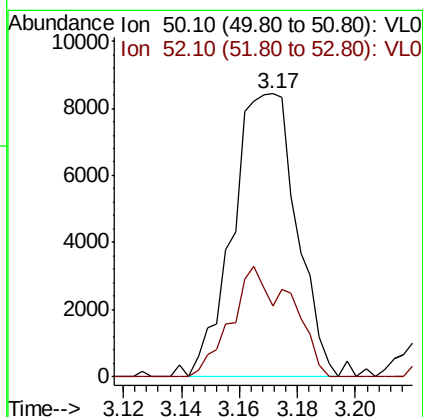
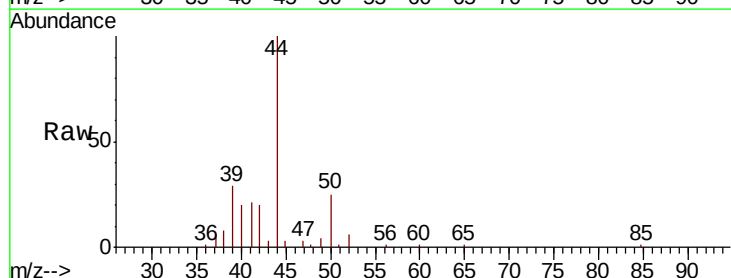
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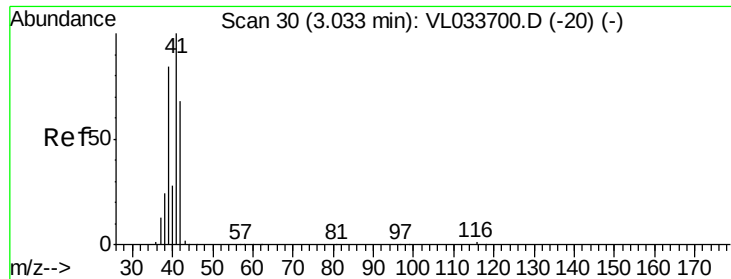
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#4
 Chloromethane
 Concen: 0.225 ppbv
 RT: 3.17 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VL033789.D
 Acq: 24 May 2019 1:24

Tgt Ion: 50 Resp: 12878
 Ion Ratio Lower Upper
 50 100
 52 25.4 25.7 38.5#





#9

Propene

Concen: 124.045 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP-01

Tot Ion: 41 Resp: 5281760

Ion Ratio Lower Upper

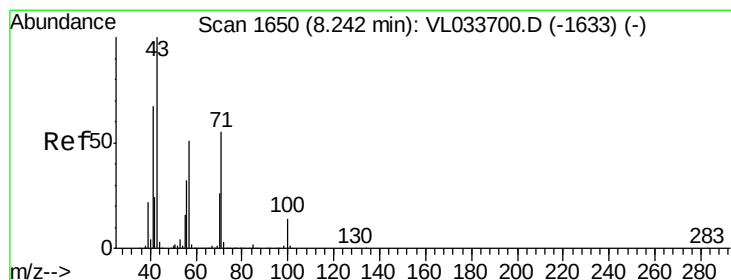
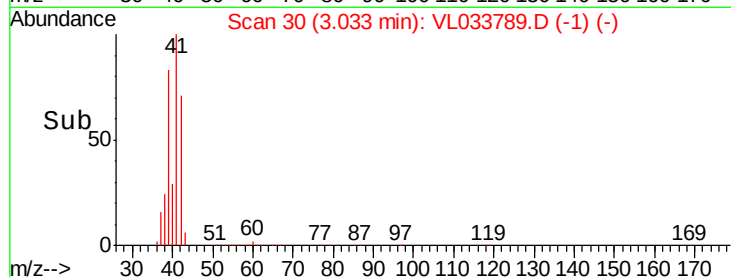
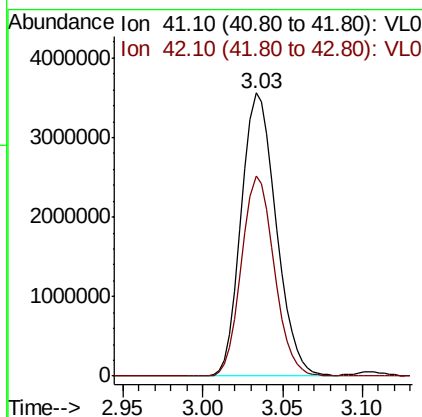
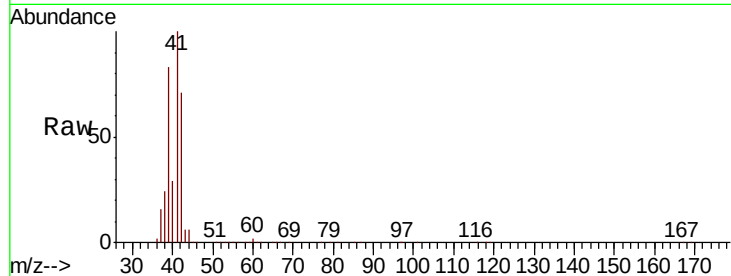
41 100

42 66.7 56.1 84.1

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5/28/2019 2:53:53 AM



#10

Heptane

Concen: 2.684 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033789.D

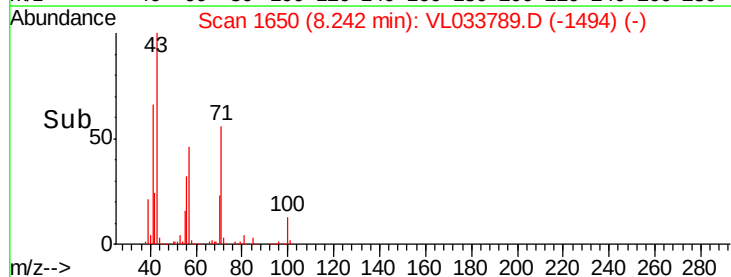
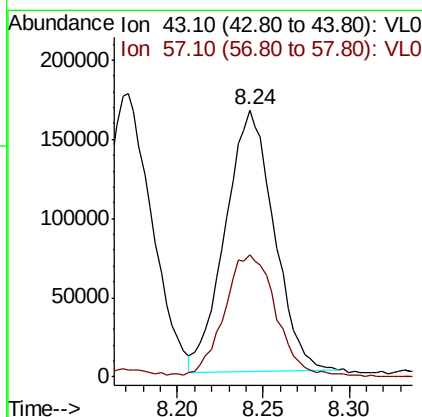
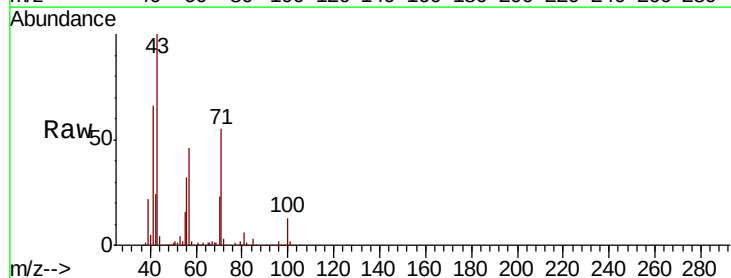
Acq: 24 May 2019 1:24

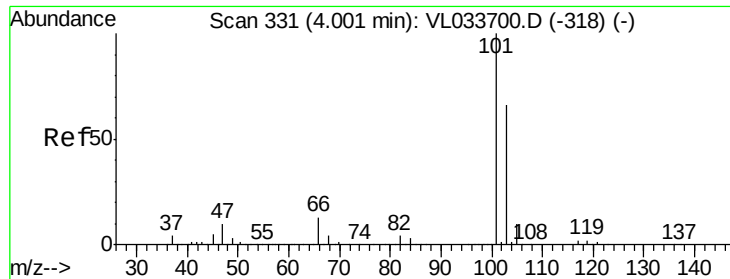
Tgt Ion: 43 Resp: 323604

Ion Ratio Lower Upper

43 100

57 49.9 41.4 62.0





#11

Trichlorofluoromethane

Concen: 0.843 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP-01

Tot Ion:101 Resp: 148111

Ion Ratio Lower Upper

101 100

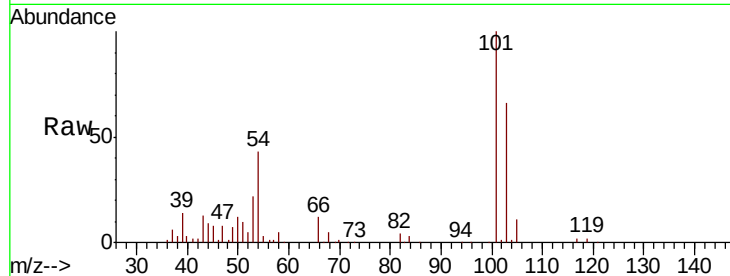
103 66.4 52.6 78.8

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

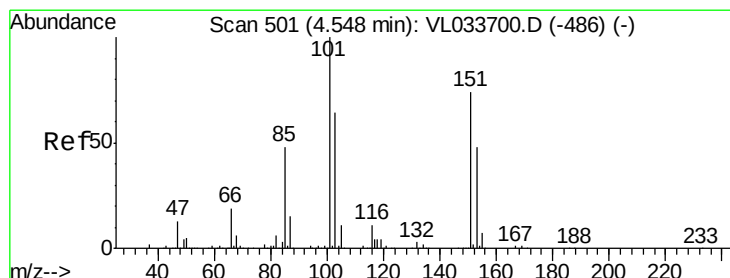
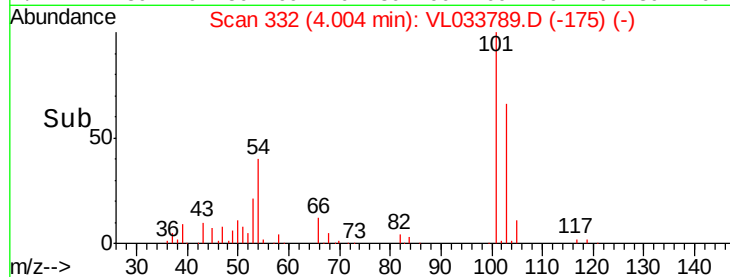
60000

40000

20000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.141 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033789.D

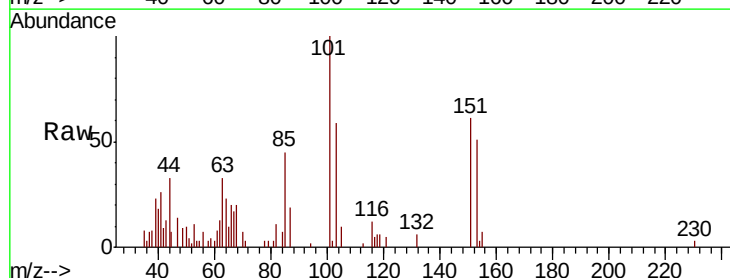
Acq: 24 May 2019 1:24

Tgt Ion:101 Resp: 17255

Ion Ratio Lower Upper

101 100

151 73.8 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

12000

10000

8000

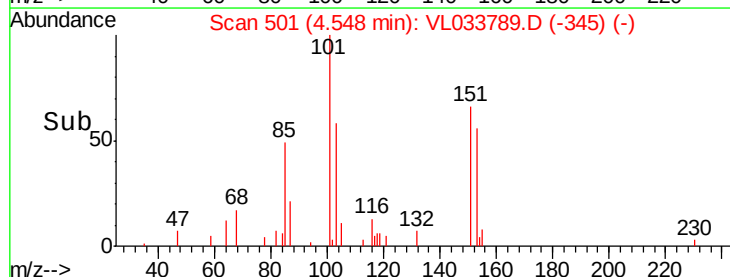
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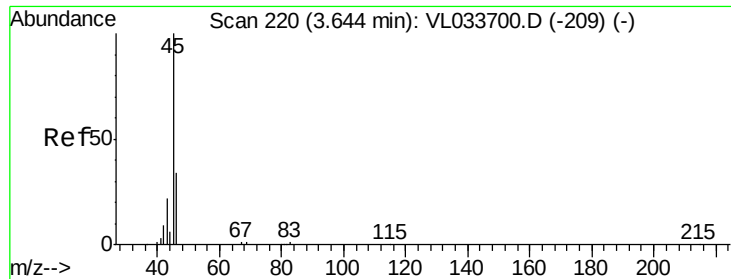
4000

2000

0

Time-->





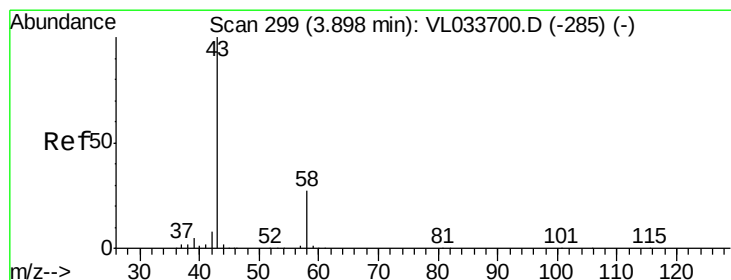
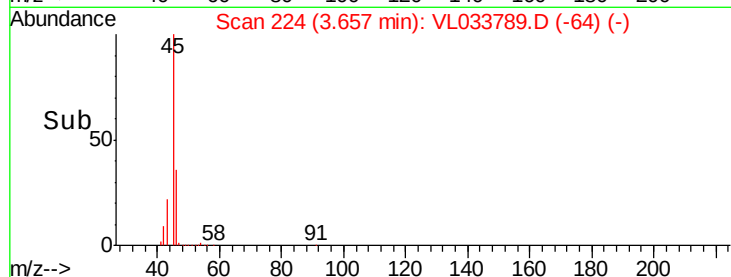
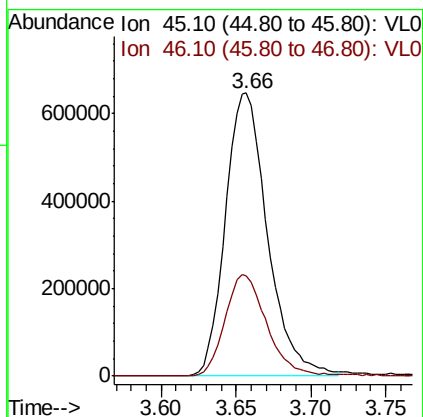
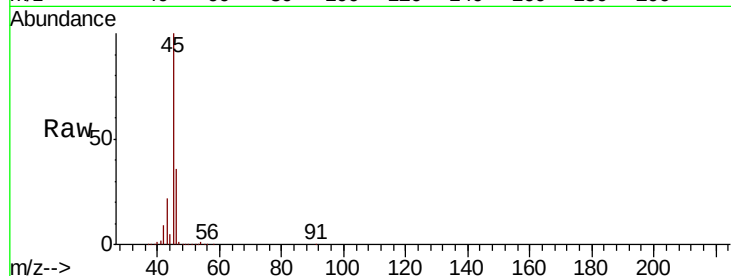
#13
Ethanol
Concen: 92.113 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01

Tot Ion: 45 Resp: 1267678
Ion Ratio Lower Upper
45 100
46 36.1 14.8 59.0

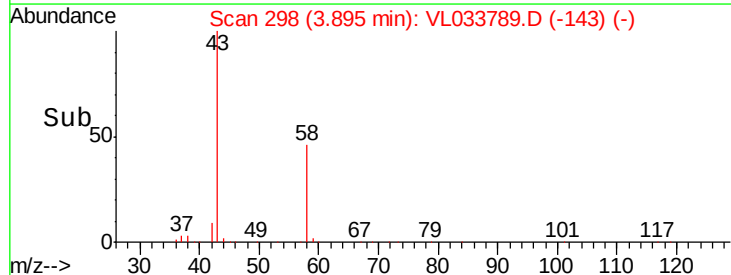
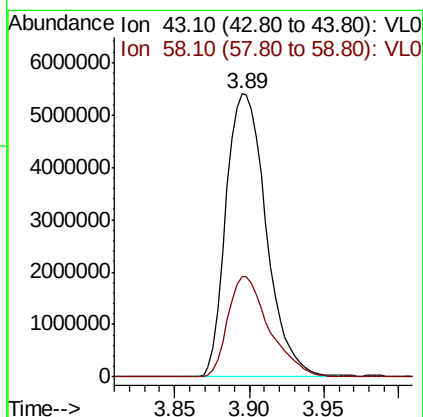
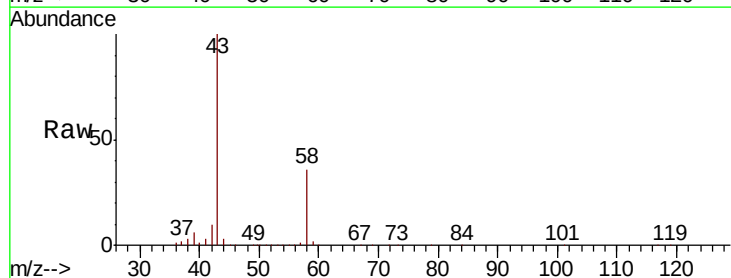
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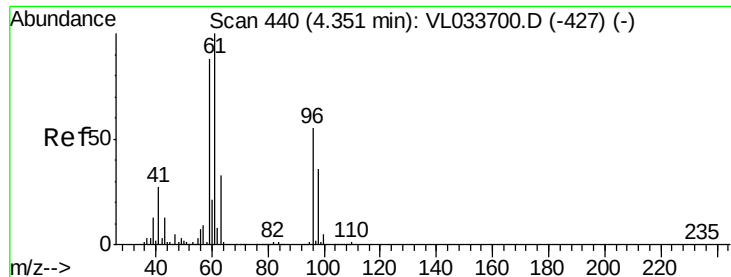
MMDadoda
5/28/2019 2:53:53 AM



#15
Acetone
Concen: 83.317 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Tgt Ion: 43 Resp: 10102595
Ion Ratio Lower Upper
43 100
58 36.6 21.3 31.9#





#17

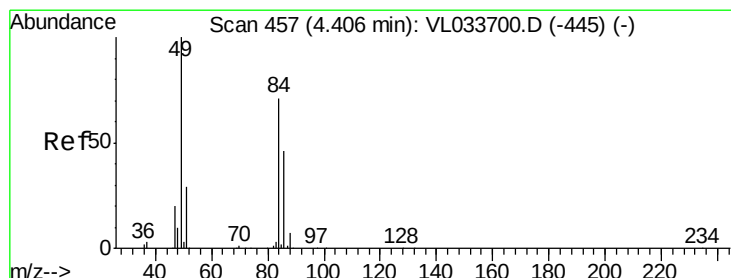
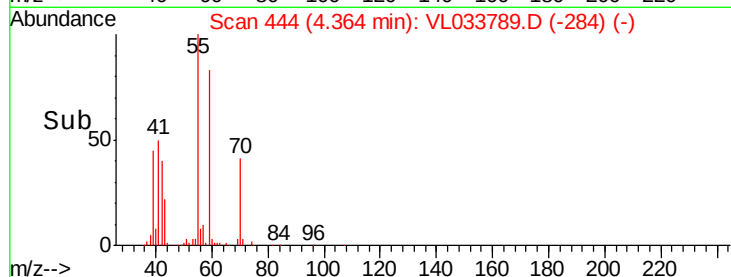
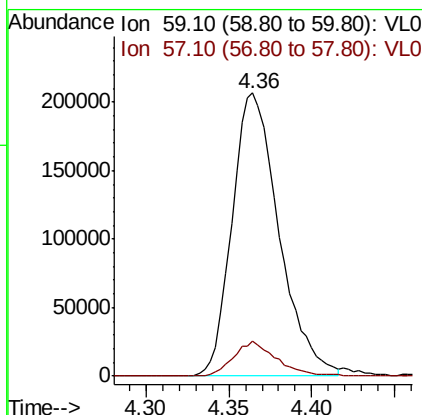
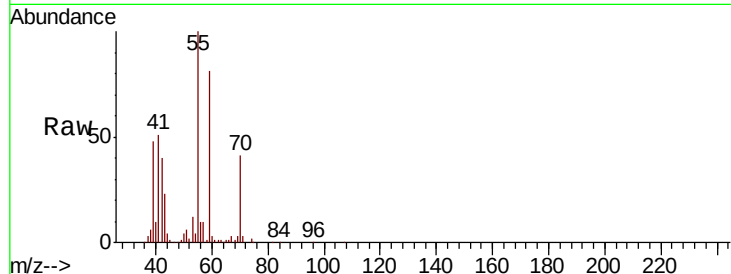
tert-Butyl alcohol
Concen: 4.132 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01

Tot Ion: 59 Resp: 405121
Ion Ratio Lower Upper
59 100
57 11.7 8.4 12.6

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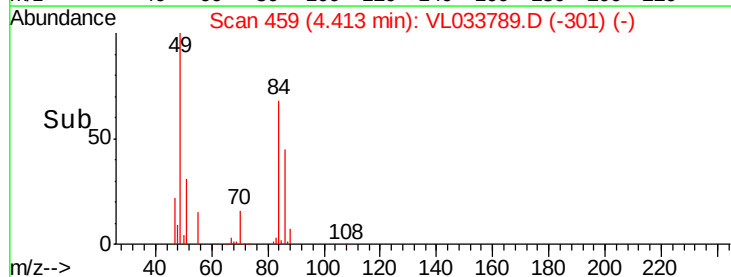
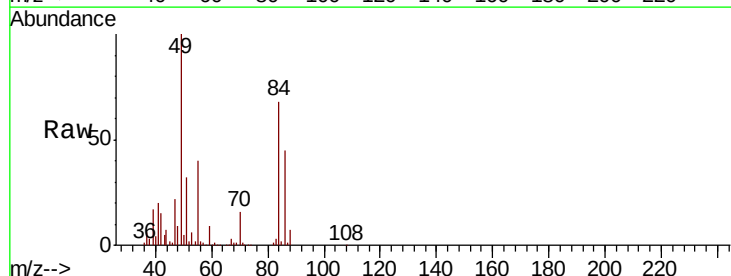
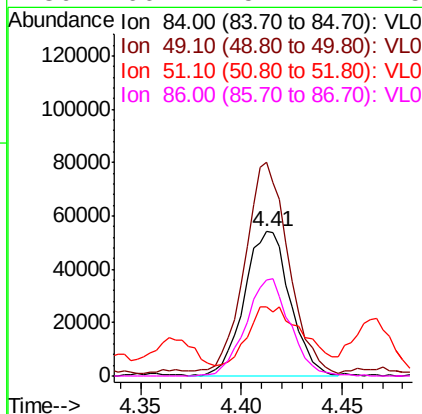
MMDadoda
5/28/2019 2:53:53 AM

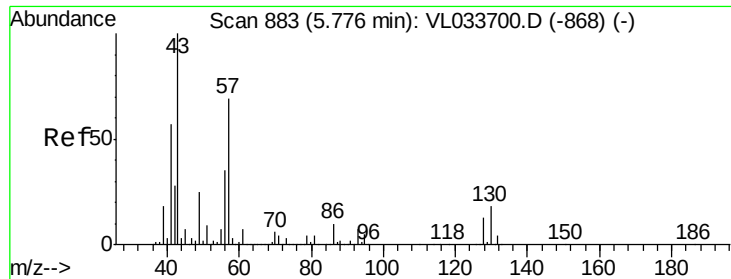


#20

Methylene Chloride
Concen: 1.847 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Tgt Ion: 84 Resp: 86219
Ion Ratio Lower Upper
84 100
49 146.0 112.8 169.2
51 35.2 33.4 50.0
86 66.4 51.7 77.5





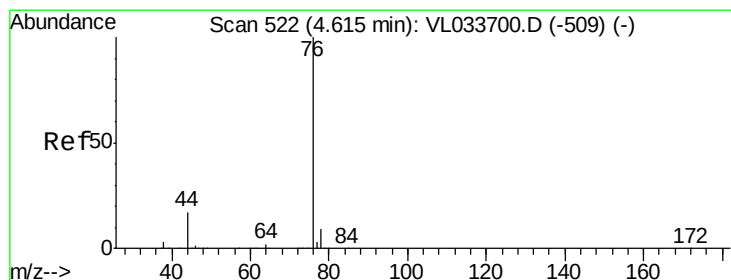
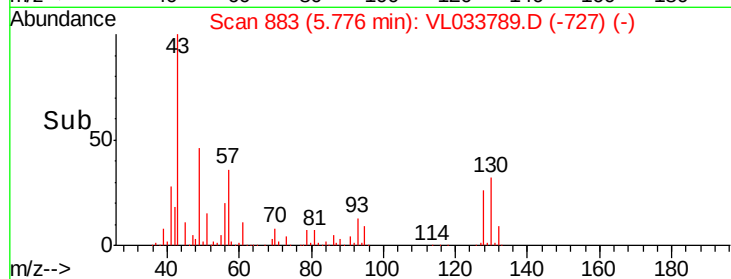
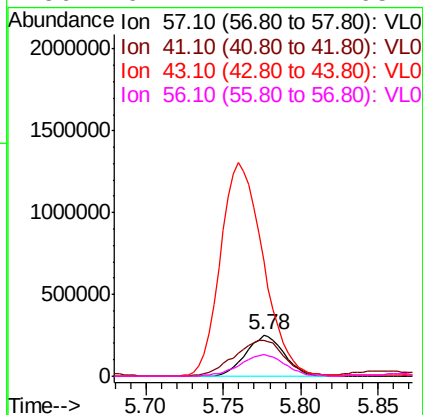
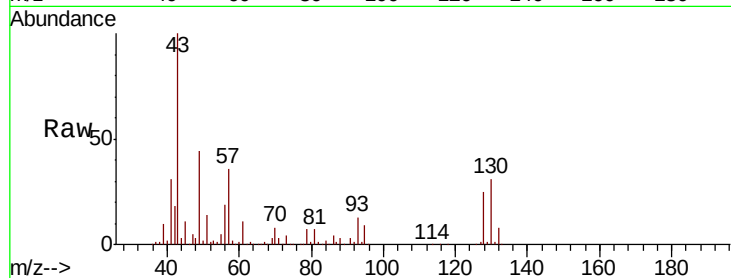
#26
Hexane
Concen: 4.702 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01

Tot Ion	Ratio	Lower	Upper
57	100		
41	115.6	69.8	104.6#
43	584.0	181.8	272.6#
56	62.2	42.1	63.1

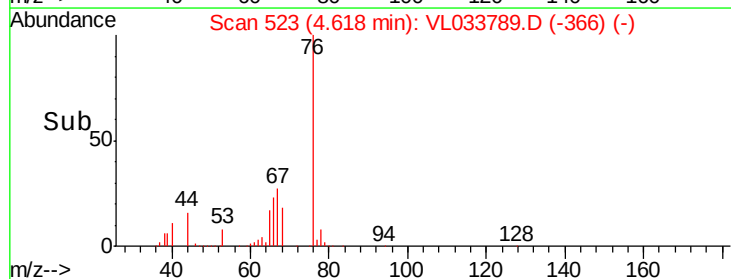
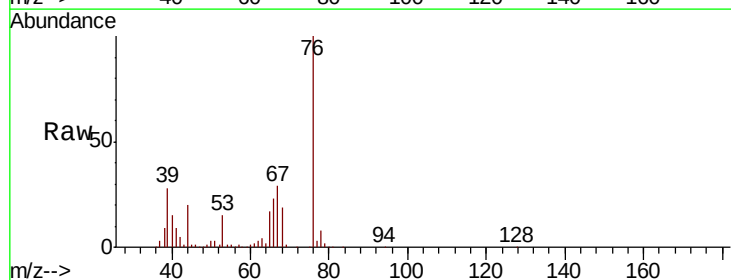
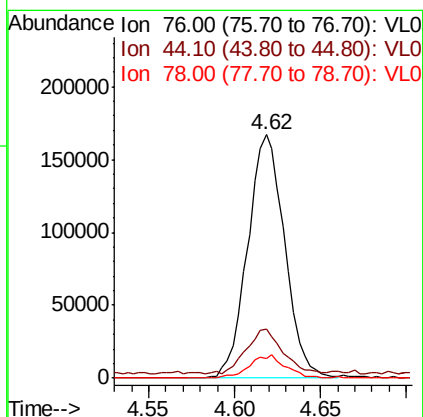
Manual Integrations
APPROVED

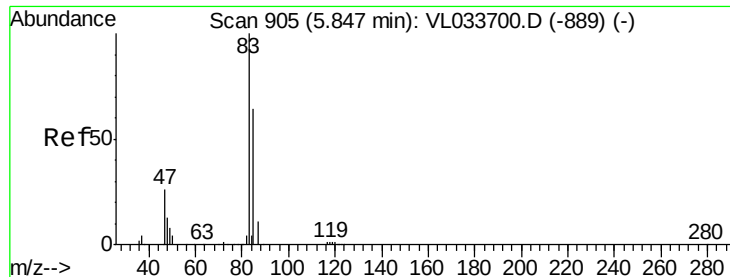
MMDadoda
5/28/2019 2:53:53 AM



#27
Carbon Disulfide
Concen: 1.984 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Tgt Ion	Ratio	Lower	Upper
76	100		
44	19.0	13.8	20.8
78	9.5	7.4	11.0





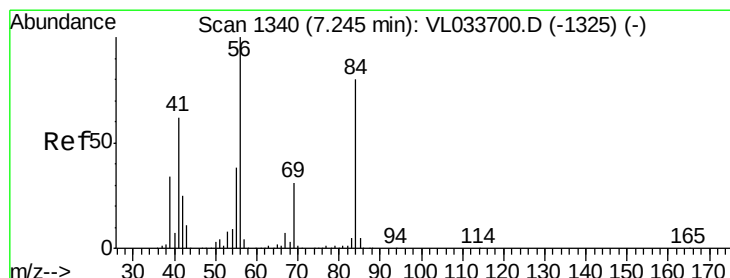
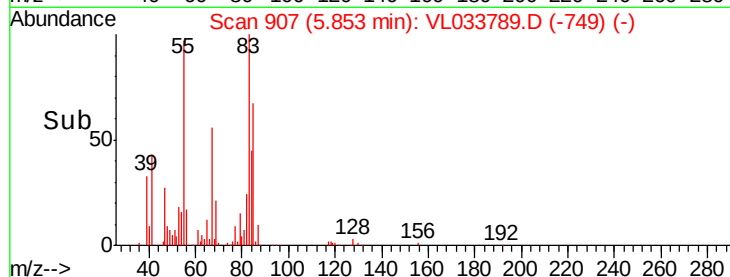
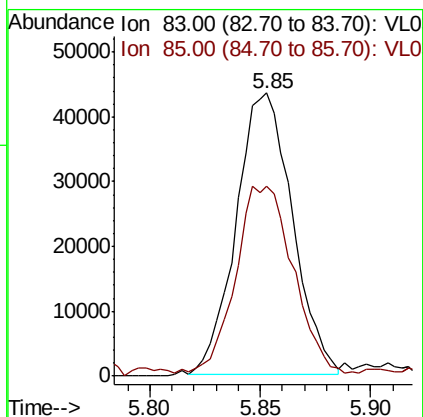
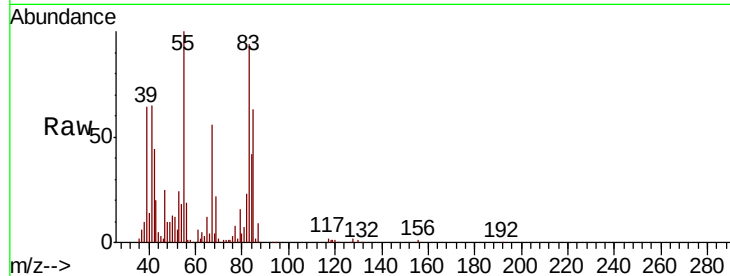
#29
Chloroform
Concen: 0.452 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Instrument :
MSVOA_L
ClientSampled :
BPS1-DUP-01

Tot Ion	83	Resp	76314
Ion Ratio	100	Lower	Upper
83	100		
85	68.0	51.5	77.3

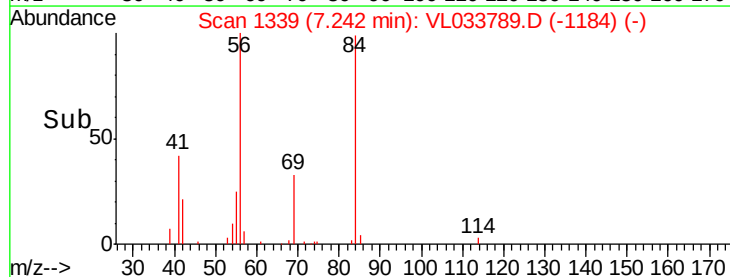
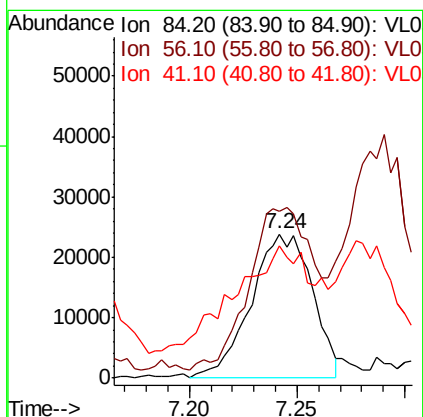
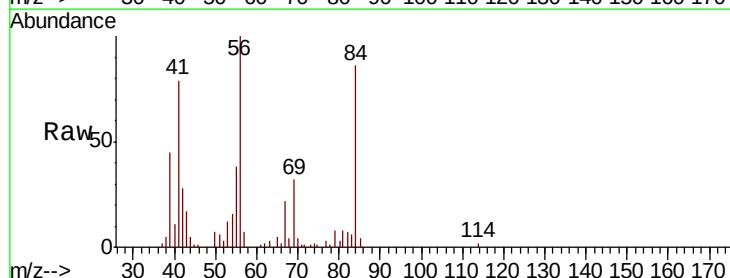
Manual Integrations
APPROVED

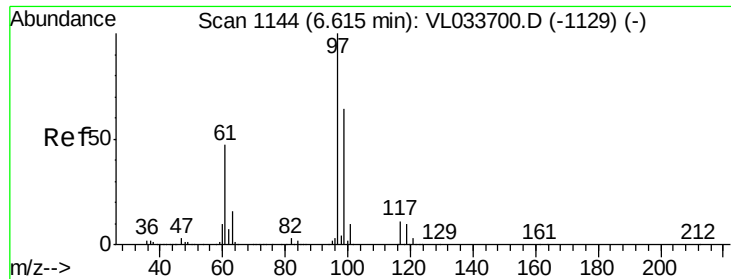
MMDadoda
5/28/2019 2:53:53 AM



#30
Cyclohexane
Concen: 0.610 ppbv m
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Tgt Ion	84	Resp	46992
Ion Ratio	100	Lower	Upper
84	100		
56	128.5	107.7	161.5
41	0.0	66.0	99.0#





#32

1,1,1-Trichloroethane

Concen: 0.067 ppbv m

RT: 6.62 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

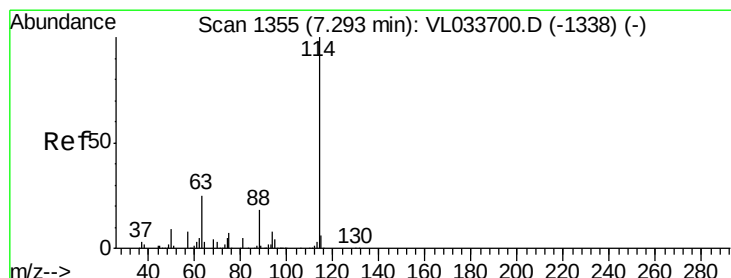
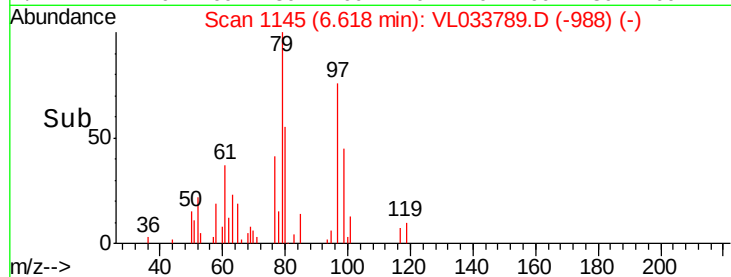
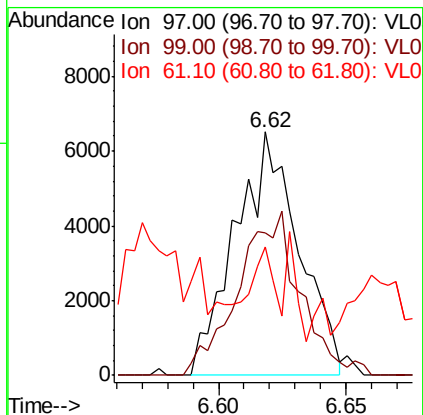
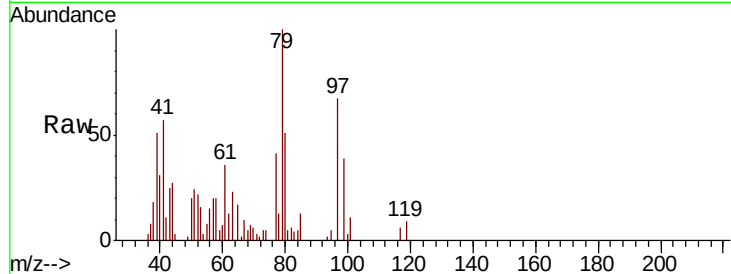
ClientSampled :

BPS1-DUP-01

Tot Ion:	97	Resp:	11307
Ion Ratio	Lower	Upper	
97	100		
99	65.7	51.5	77.3
61	43.2	37.8	56.8

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

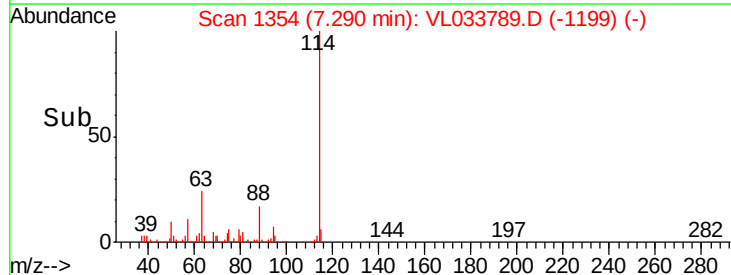
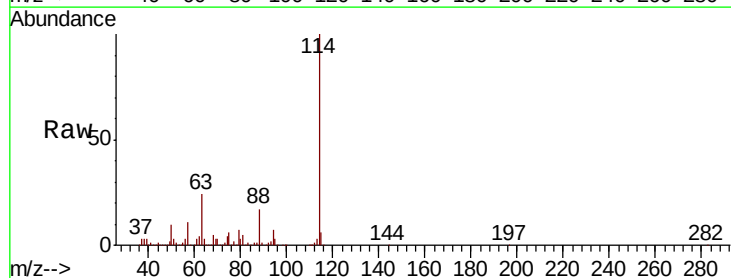
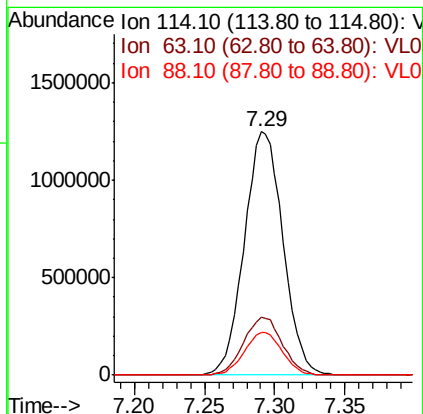
RT: 7.29 min Scan# 1354

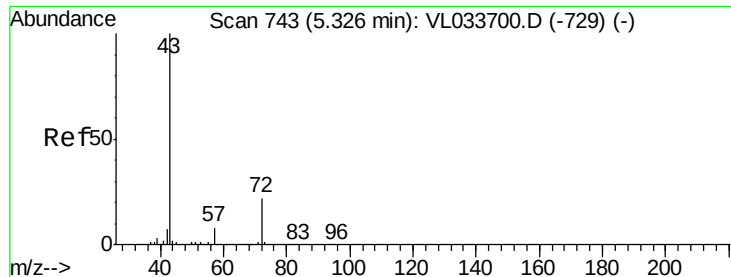
Delta R.T. -0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Tgt Ion:	114	Resp:	2397251
Ion Ratio	Lower	Upper	
114	100		
63	23.7	20.9	31.3
88	17.3	14.3	21.5





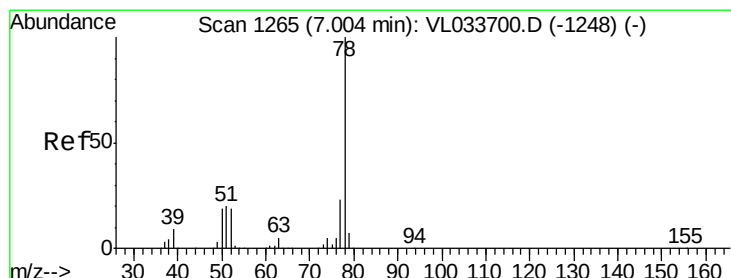
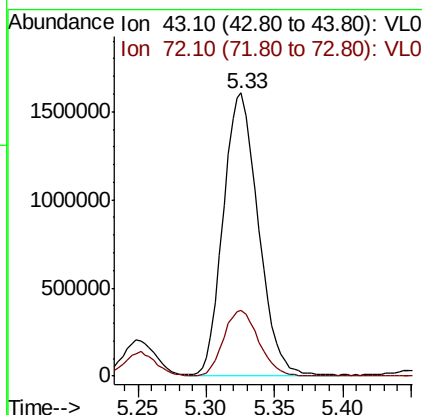
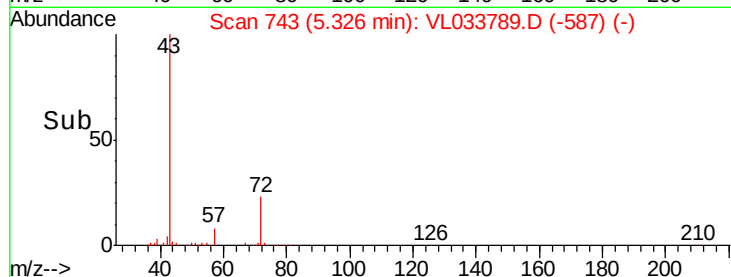
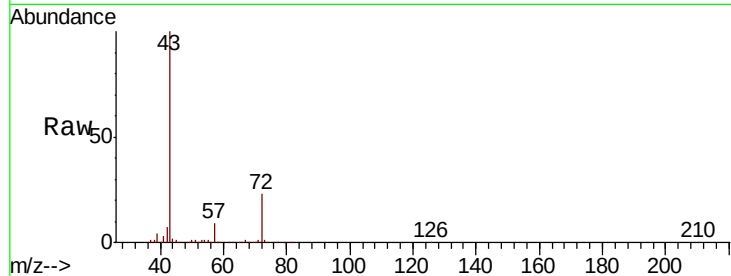
#34
 2-Butanone
 Concen: 19.175 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033789.D
 Acq: 24 May 2019 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP-01

Tot Ion: 43 Resp: 2849278
 Ion Ratio Lower Upper
 43 100
 72 23.4 17.8 26.6

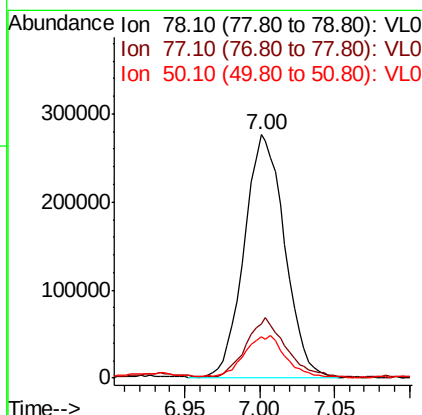
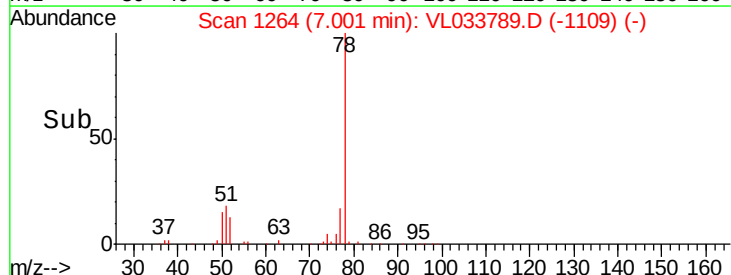
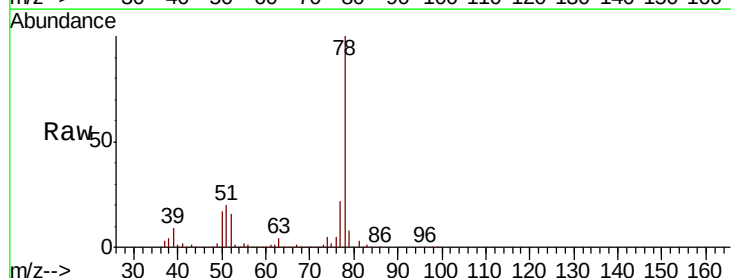
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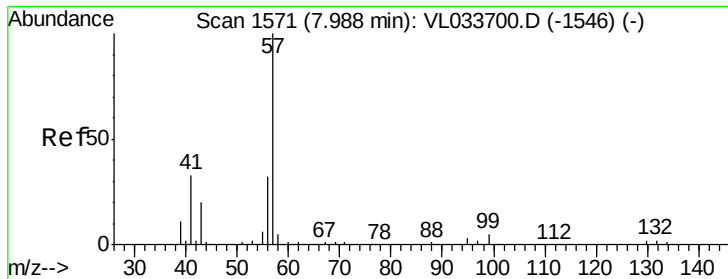
MMDadoda
 5/28/2019 2:53:53 AM



#36
 Benzene
 Concen: 2.377 ppbv
 RT: 7.00 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VL033789.D
 Acq: 24 May 2019 1:24

Tgt Ion: 78 Resp: 518332
 Ion Ratio Lower Upper
 78 100
 77 21.4 18.4 27.6
 50 16.4 15.5 23.3





#44

2,2,4-Trimethylpentane

Concen: 0.294 ppbv m

RT: 7.98 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP-01

Tot Ion: 57 Resp: 108272

Ion Ratio Lower Upper

57 100

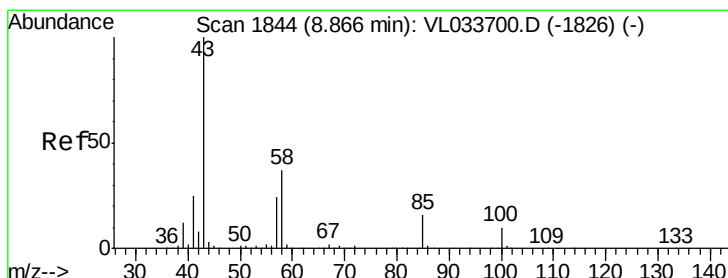
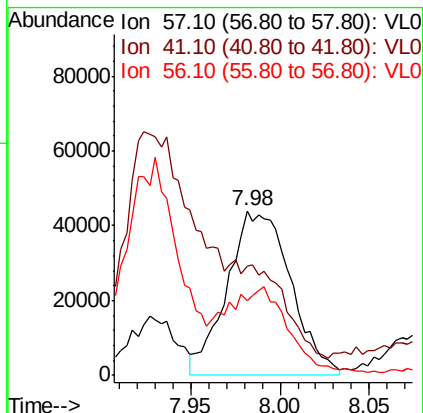
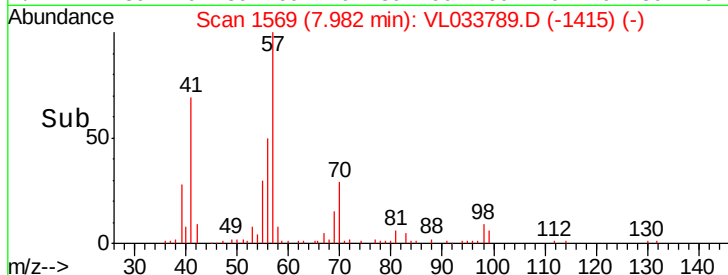
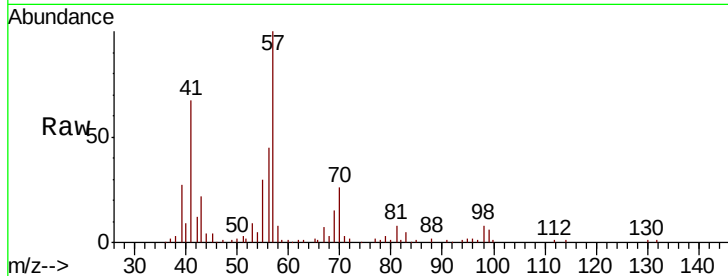
41 0.0 25.4 38.0#

56 0.0 24.7 37.1#

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5/28/2019 2:53:53 AM



#50

4-Methyl-2-Pentanone

Concen: 0.701 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL033789.D

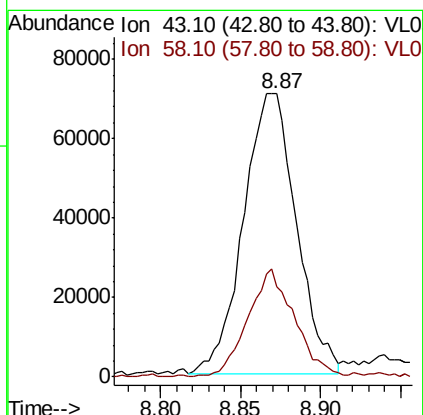
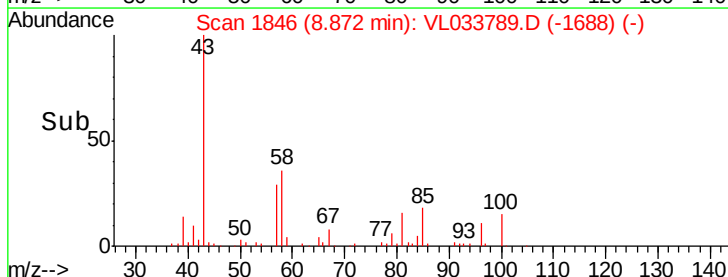
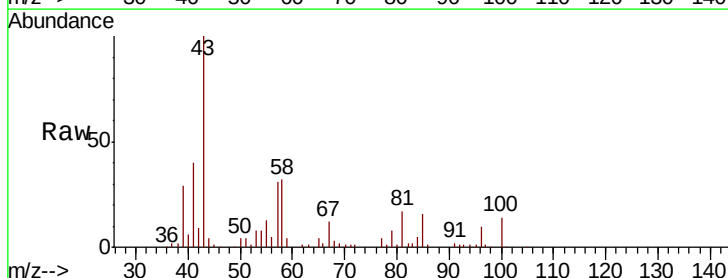
Acq: 24 May 2019 1:24

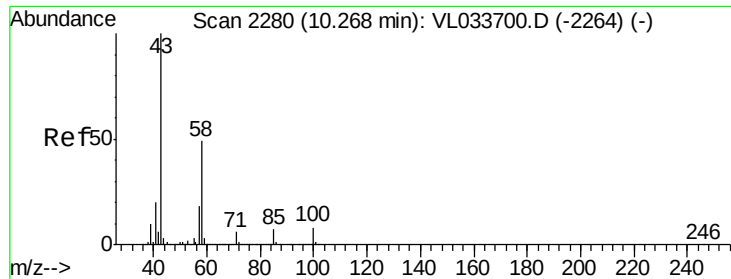
Tgt Ion: 43 Resp: 160203

Ion Ratio Lower Upper

43 100

58 35.2 28.6 43.0





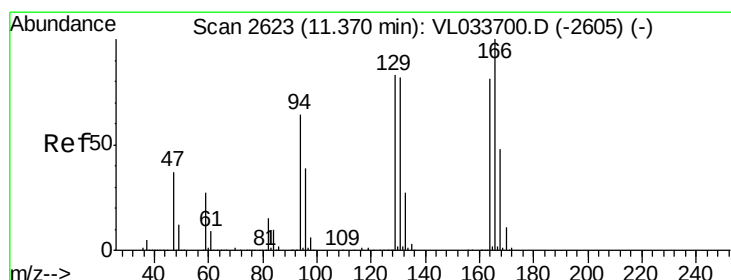
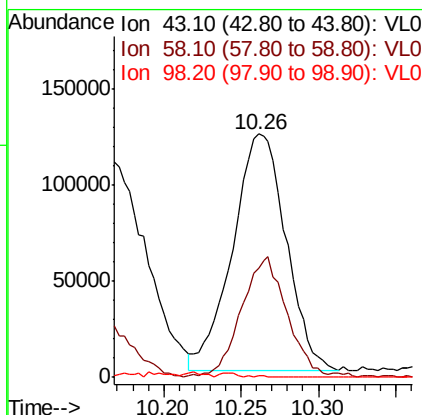
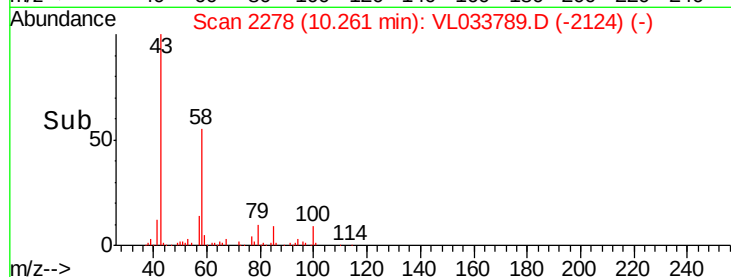
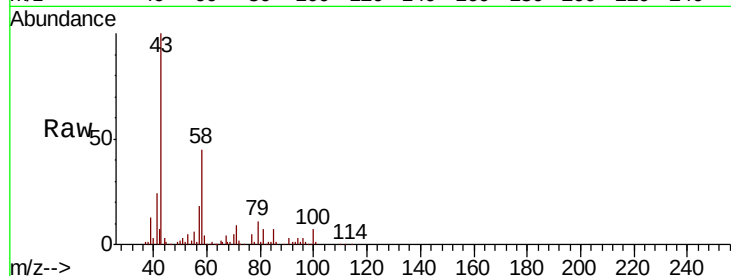
#51
2-Hexanone
Concen: 1.648 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.5	38.7	58.1
98	2.4	0.2	0.4#

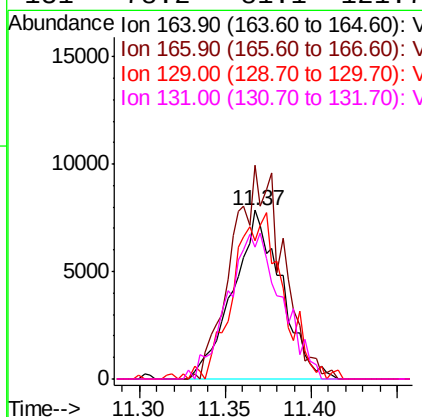
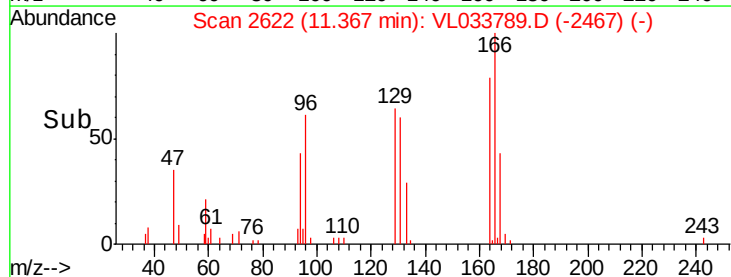
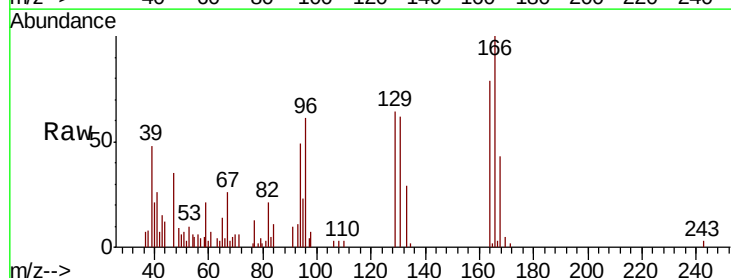
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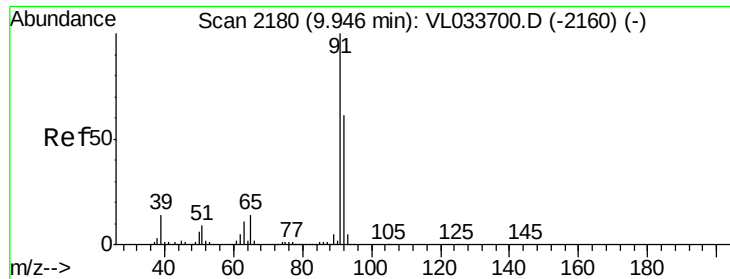
MMDadoda
5/28/2019 2:53:53 AM



#52
Tetrachloroethene
Concen: 0.200 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	98.9	148.3
129	81.7	81.8	122.6#
131	78.2	81.1	121.7#





#53

Toluene

Concen: 18.233 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP-01

Tot Ion: 91 Resp: 4288574

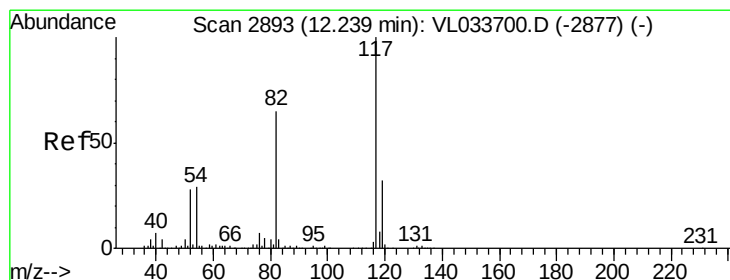
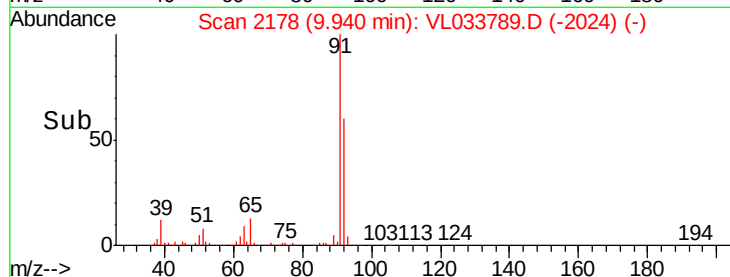
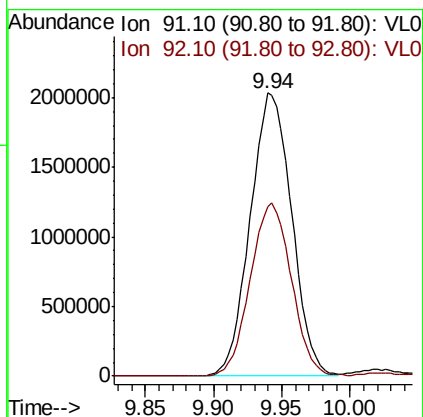
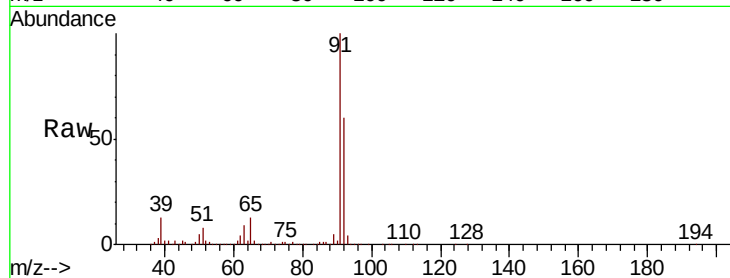
Ion Ratio Lower Upper

91 100

92 60.7 47.6 71.4

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5/28/2019 2:53:53 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

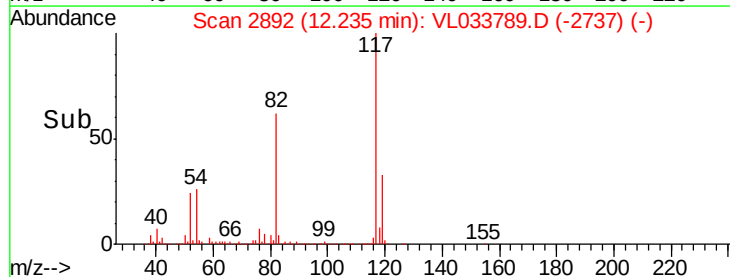
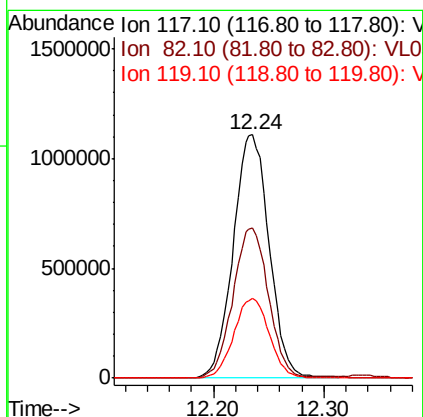
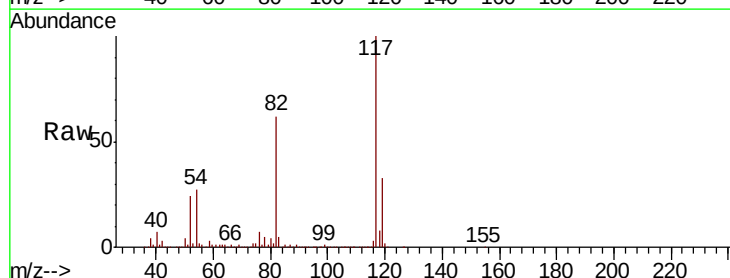
Tgt Ion: 117 Resp: 2499623

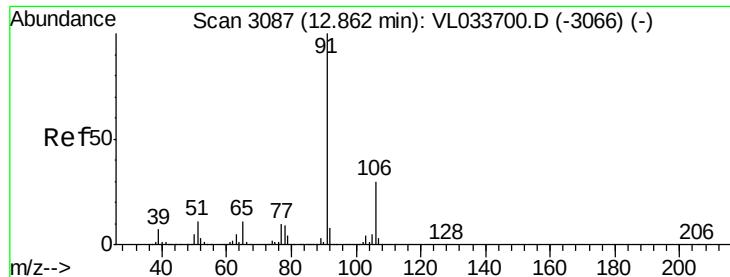
Ion Ratio Lower Upper

117 100

82 61.3 49.4 74.0

119 32.4 24.9 37.3





#58

Ethyl Benzene

Concen: 1.443 ppbv

RT: 12.86 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP-01

Tot Ion: 91 Resp: 477529

Ion Ratio Lower Upper

91 100

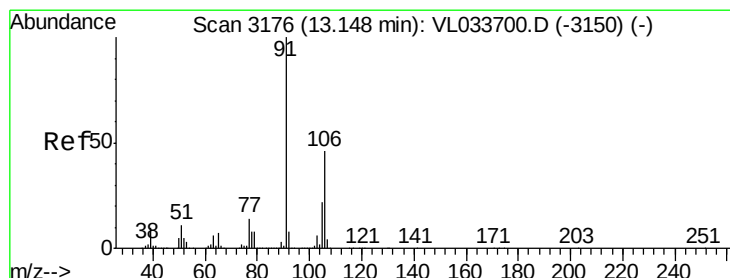
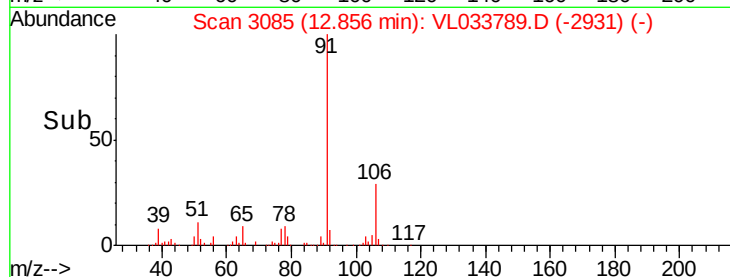
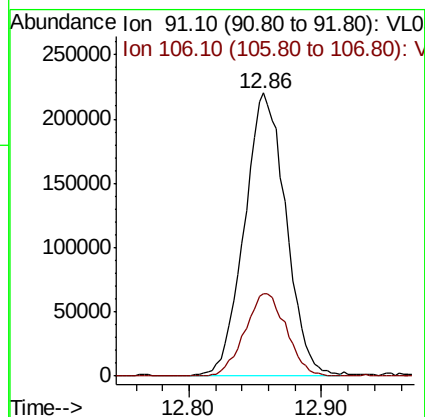
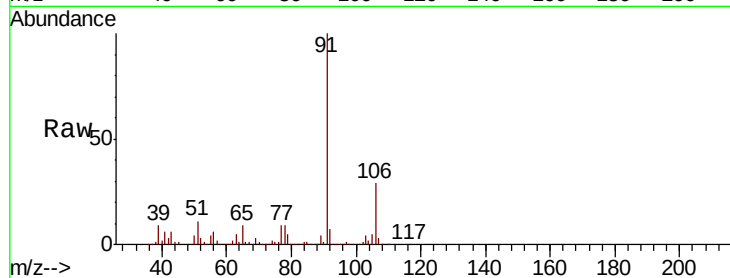
106 29.1 23.9 35.9

Manual Integrations

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5/28/2019 2:53:53 AM



#59

m/p-Xylene

Concen: 4.819 ppbv

RT: 13.12 min Scan# 3166

Delta R.T. -0.03 min

Lab File: VL033789.D

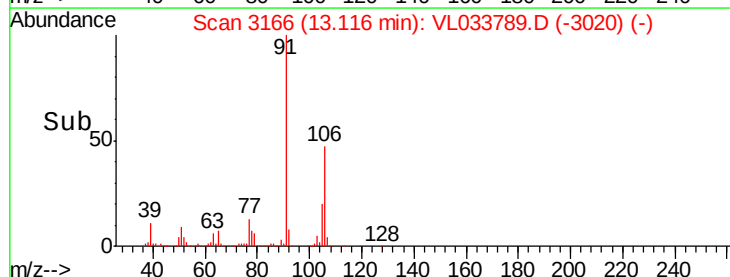
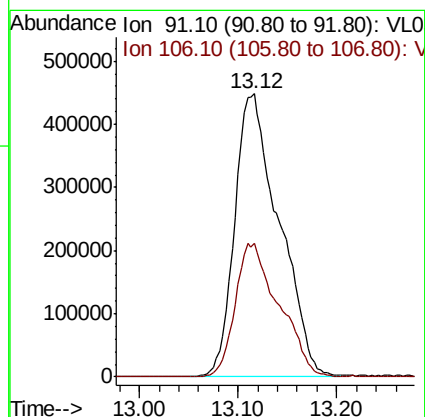
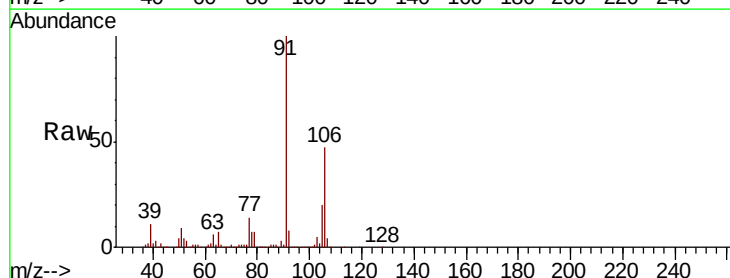
Acq: 24 May 2019 1:24

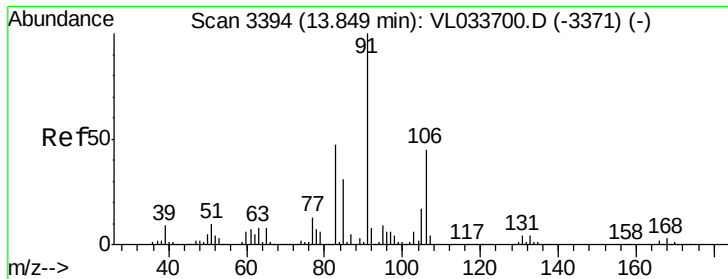
Tgt Ion: 91 Resp: 1394389

Ion Ratio Lower Upper

91 100

106 47.0 35.8 53.6





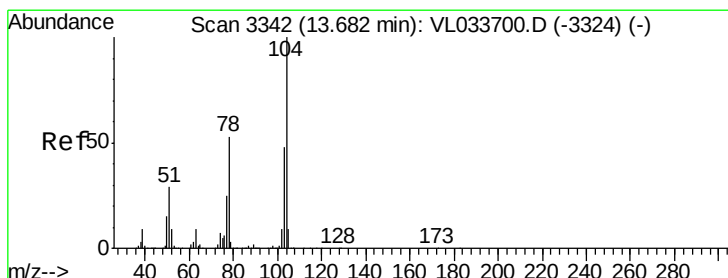
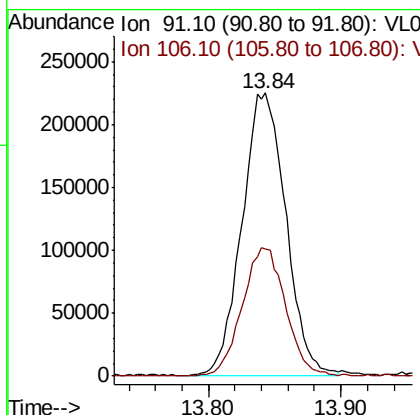
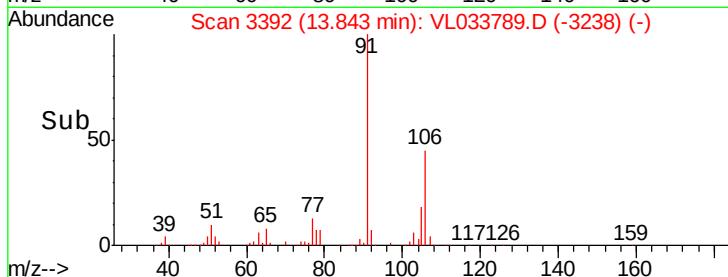
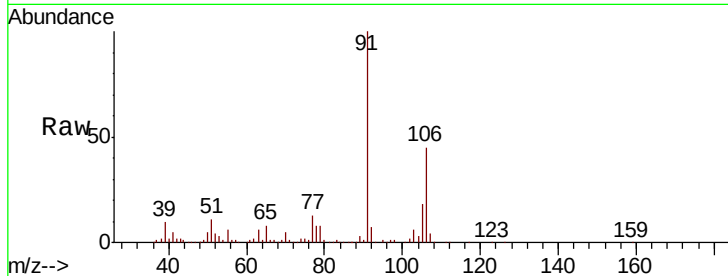
#60
o-Xylene
Concen: 1.766 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Instrument :
MSVOA_L
ClientSampled :
BPS1-DUP-01

Tot Ion: 91 Resp: 515083
Ion Ratio Lower Upper
91 100
106 45.1 21.6 64.8

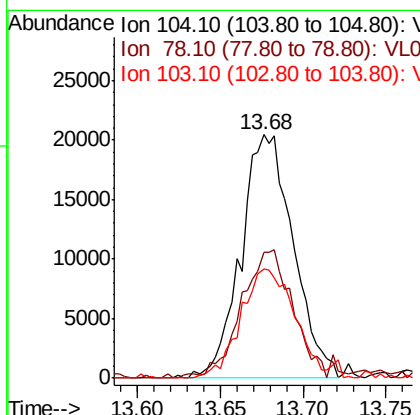
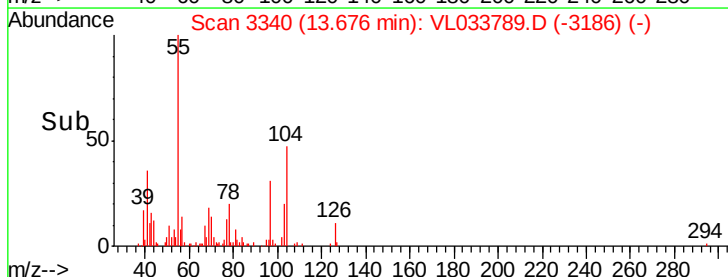
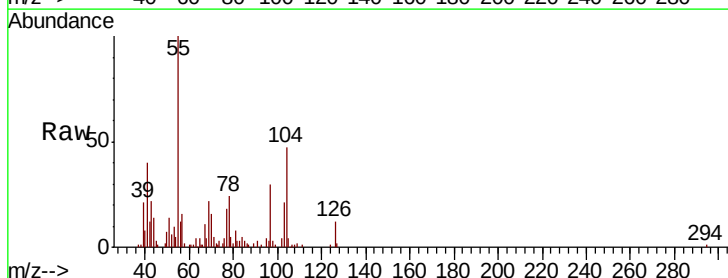
Manual Integrations
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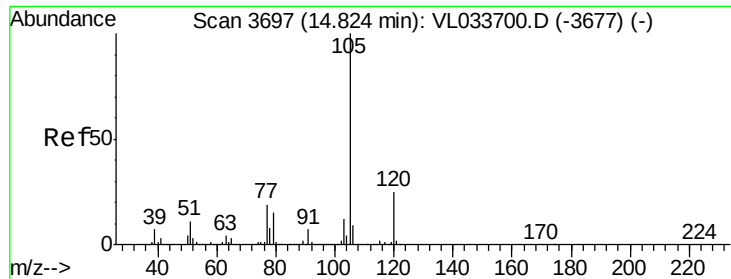
MMDadoda
5/28/2019 2:53:53 AM



#61
Styrene
Concen: 0.228 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033789.D
Acq: 24 May 2019 1:24

Tgt Ion: 104 Resp: 44864
Ion Ratio Lower Upper
104 100
78 54.2 42.6 64.0
103 48.0 37.8 56.6





#62

Isopropylbenzene

Concen: 0.135 ppbv m

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

ClientSampled :

BPS1-DUP-01

Tot Ion:105 Resp: 53157

Ion Ratio Lower Upper

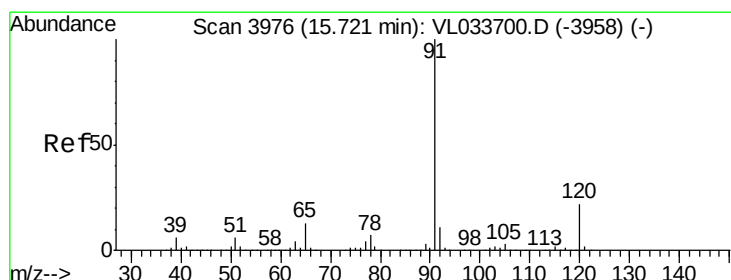
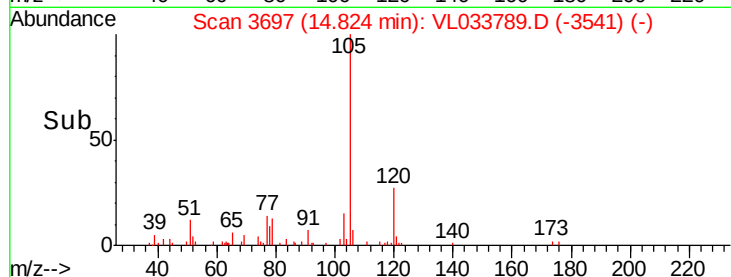
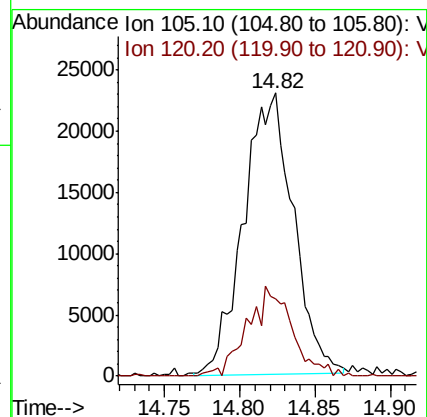
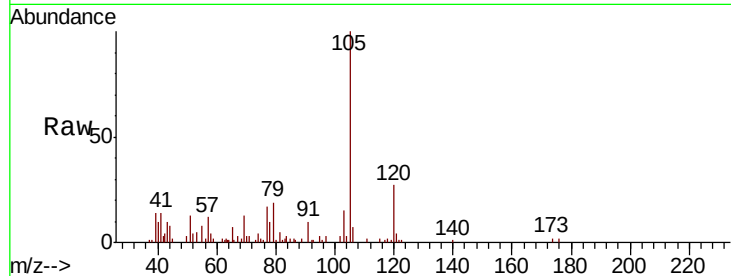
105 100

120 0.0 20.1 30.1#

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



#64

n-propylbenzene

Concen: 0.281 ppbv m

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033789.D

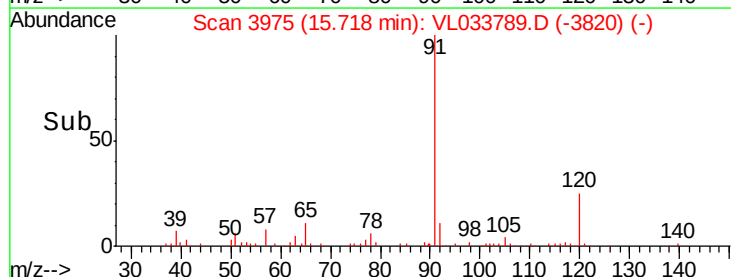
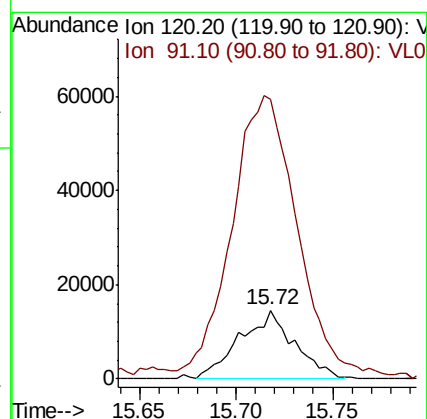
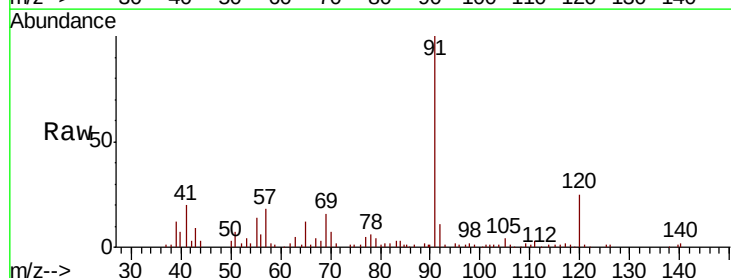
Acq: 24 May 2019 1:24

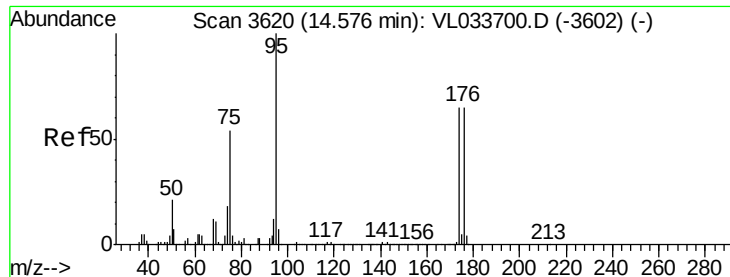
Tgt Ion:120 Resp: 28513

Ion Ratio Lower Upper

120 100

91 512.1 379.1 568.7





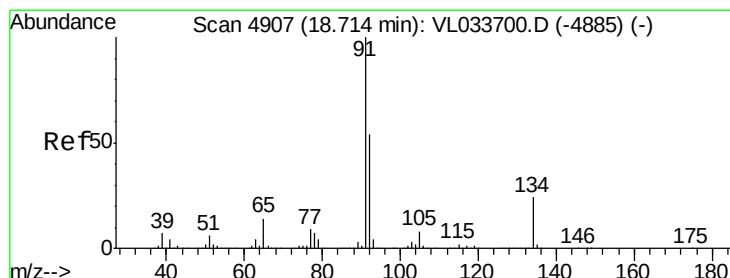
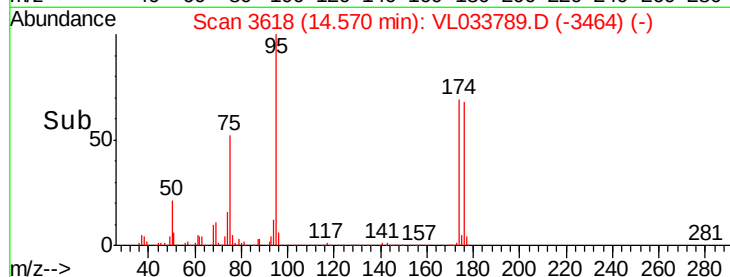
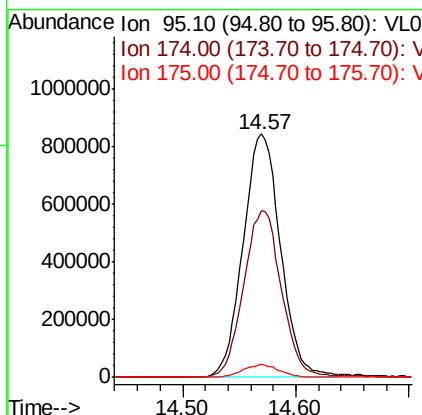
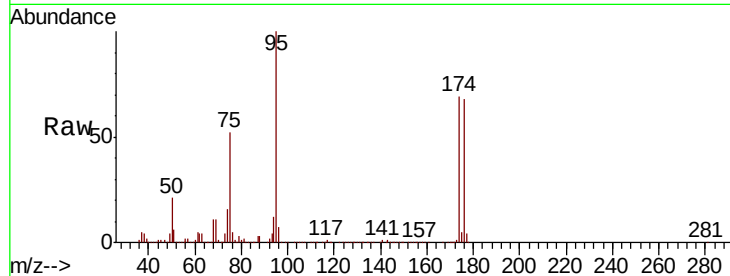
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.600 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033789.D
 Acq: 24 May 2019 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP-01

Tot Ion: 95 Resp: 1945301
 Ion Ratio Lower Upper
 95 100
 174 70.1 53.9 80.9
 175 5.1 3.8 5.8

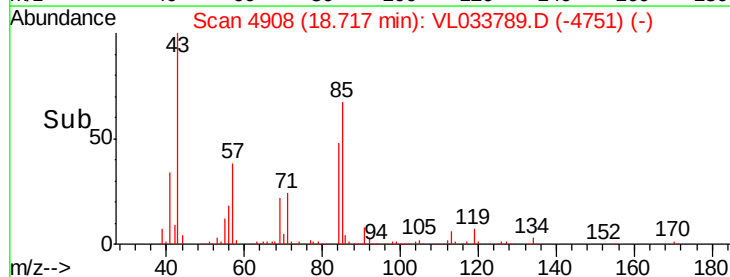
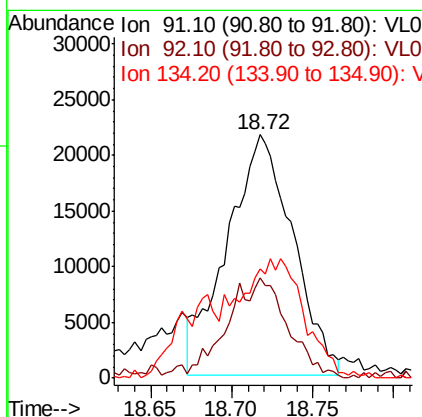
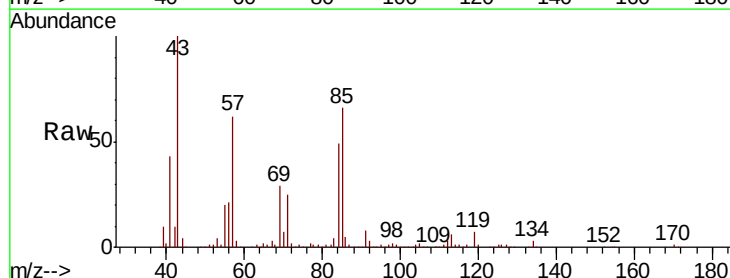
Manual Integrations
 APPROVED

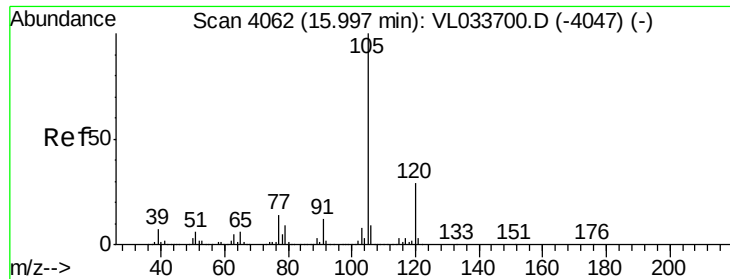
MMDadoda
 5/28/2019 2:53:53 AM



#70
 n-Butylbenzene
 Concen: 0.137 ppbv m
 RT: 18.72 min Scan# 4908
 Delta R.T. 0.00 min
 Lab File: VL033789.D
 Acq: 24 May 2019 1:24

Tgt Ion: 91 Resp: 60865
 Ion Ratio Lower Upper
 91 100
 92 41.6 42.6 63.8#
 134 70.6 18.1 27.1#





#72

4-Ethyltoluene

Concen: 0.502 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

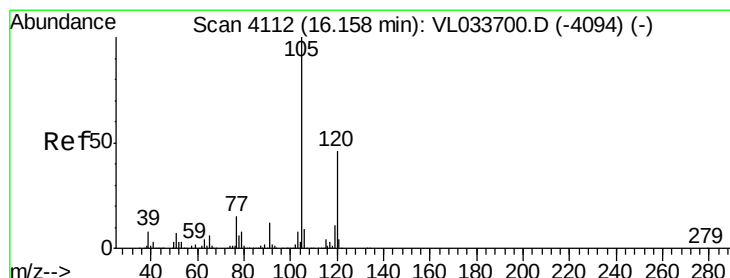
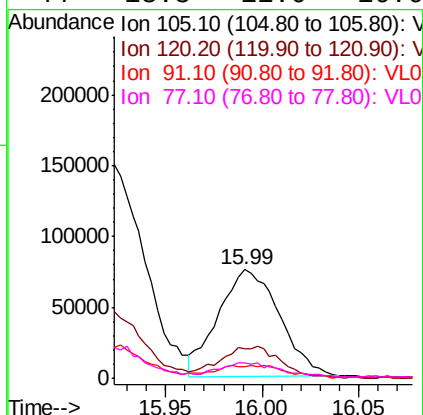
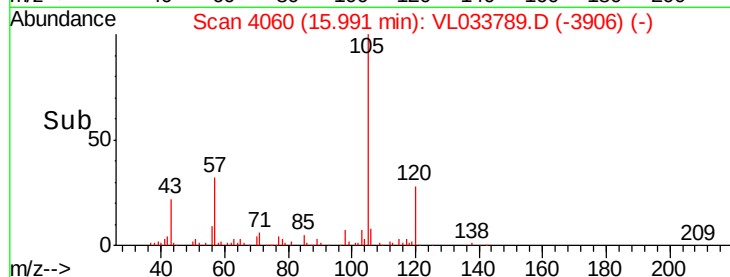
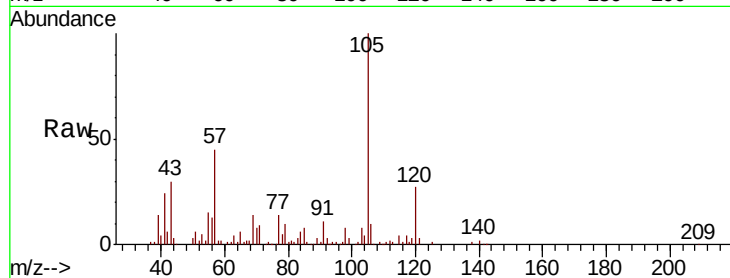
ClientSampleId :

BPS1-DUP-01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	167289		
120	29.3		23.1	34.7
91	12.4		10.4	15.6
77	13.3		11.0	16.6

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#73

1,3,5-Trimethylbenzene

Concen: 0.399 ppbv

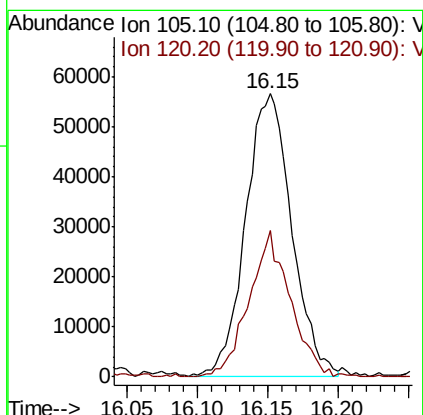
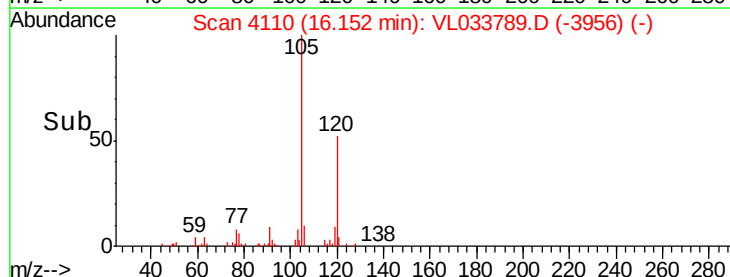
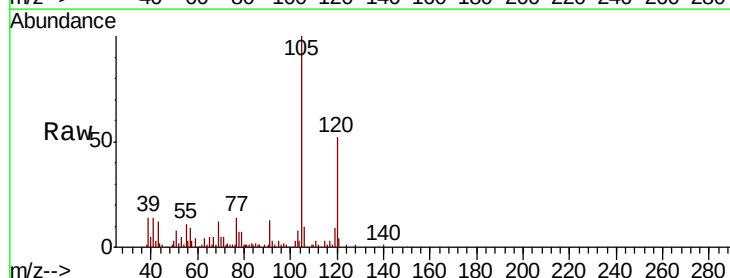
RT: 16.15 min Scan# 4110

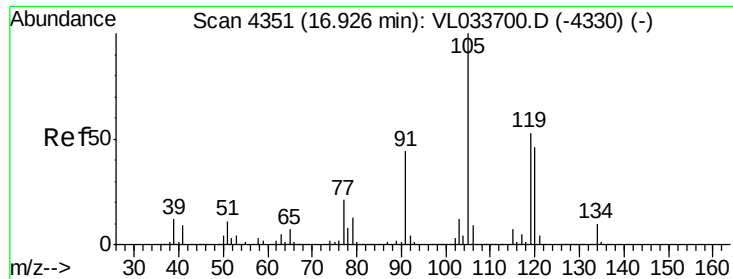
Delta R.T. -0.01 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	129873		
120	55.6		37.0	55.4#





#74

1,2,4-Trimethylbenzene

Concen: 1.488 ppbv

RT: 16.92 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

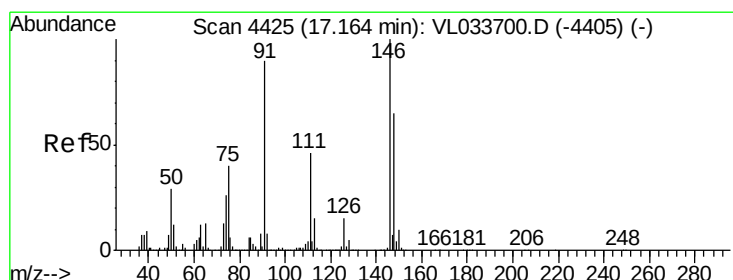
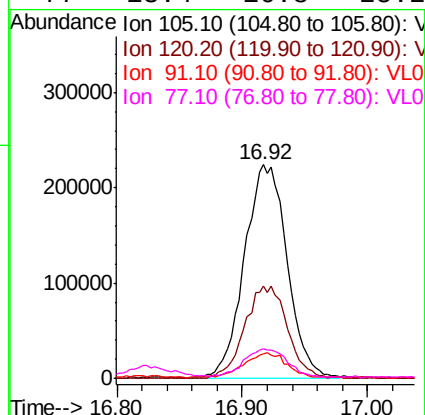
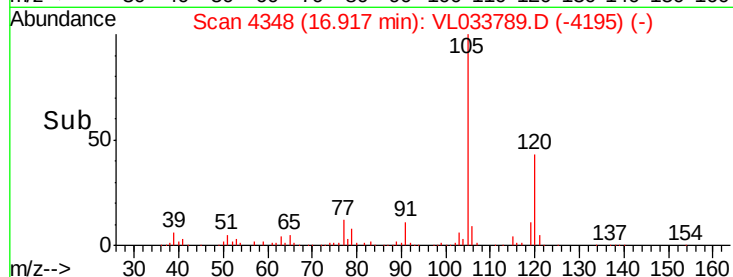
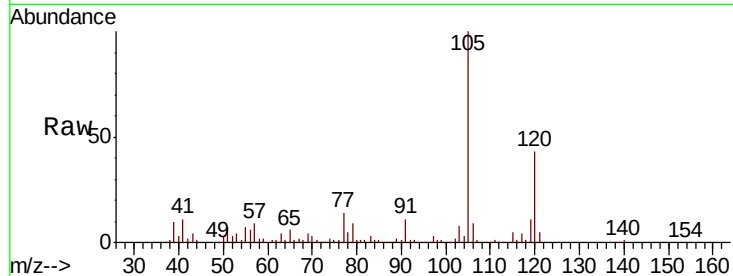
ClientSampleId :

BPS1-DUP-01

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.1	36.8	55.2
91	10.9	35.4	53.0
77	13.4	16.8	25.2

Manual Integrations
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#75

1,3-Dichlorobenzene

Concen: 0.242 ppbv

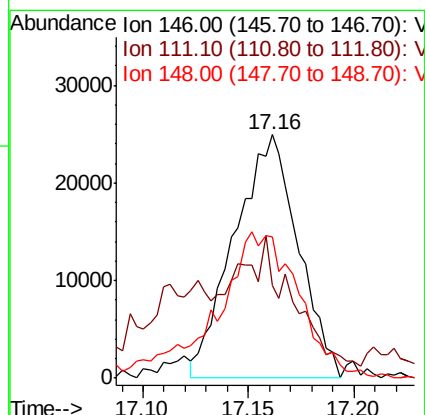
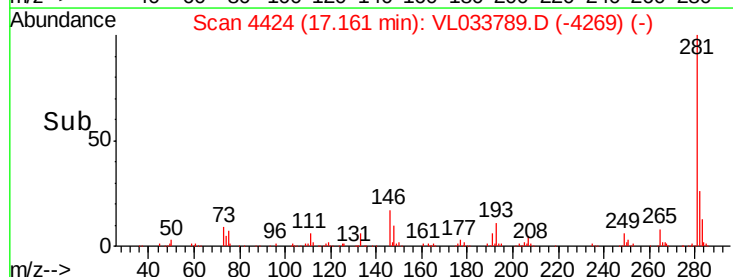
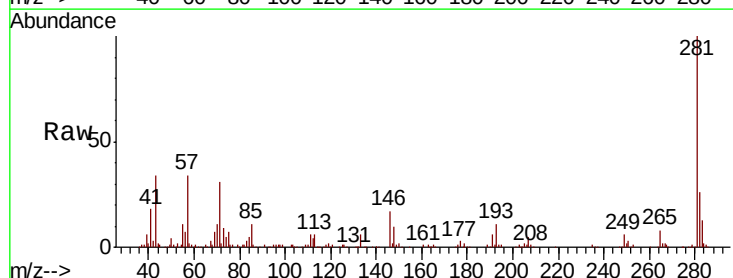
RT: 17.16 min Scan# 4424

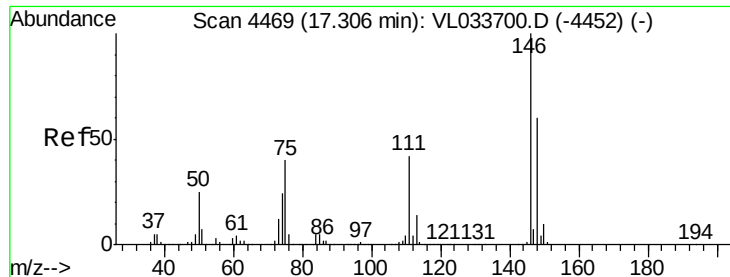
Delta R.T. -0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	91.0	22.9	68.8
148	79.7	32.0	96.2





#76

1,4-Dichlorobenzene

Concen: 0.146 ppbv m

RT: 17.30 min Scan# 4468

Delta R.T. -0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Instrument :

MSVOA_L

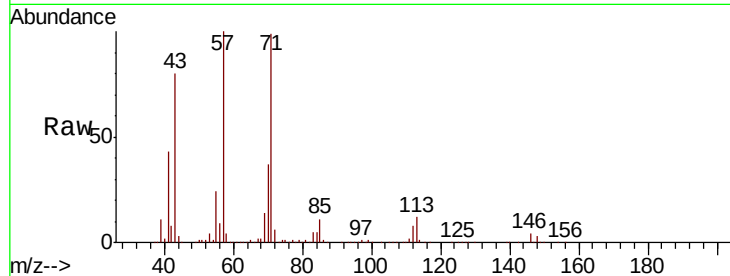
ClientSampleId :

BPS1-DUP-01

Tot Ion:	146	Resp:	30143
Ion Ratio	Lower	Upper	
146	100		
111	55.5	21.9	65.8
148	65.7	32.1	96.3

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

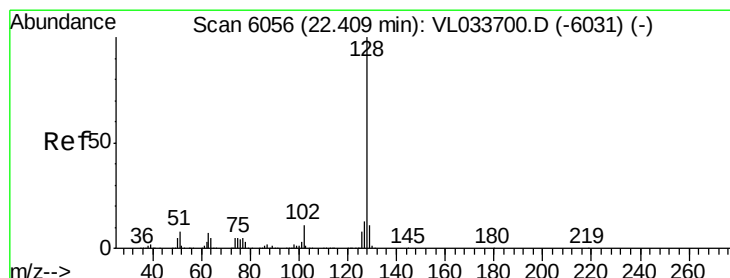
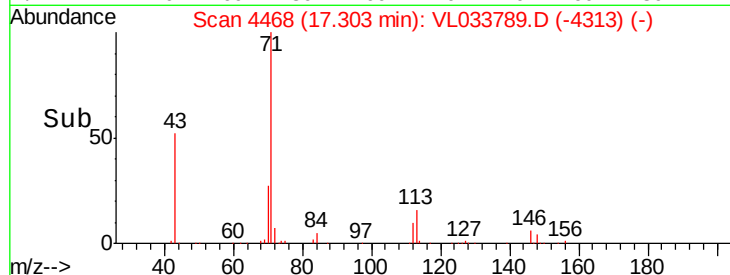
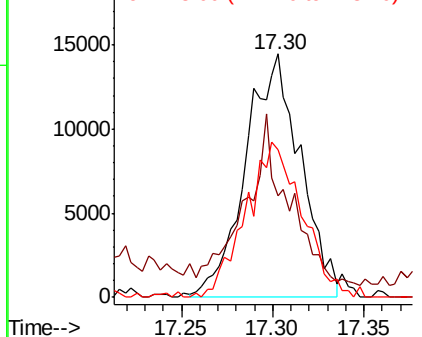


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#79

Naphthalene

Concen: 0.418 ppbv

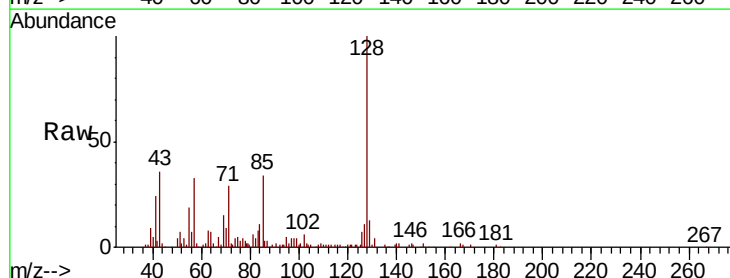
RT: 22.41 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL033789.D

Acq: 24 May 2019 1:24

Tgt Ion:	128	Resp:	137444
Ion Ratio	Lower	Upper	
128	100		
127	10.6	10.6	16.0#
129	13.2	8.9	13.3



Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

