

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033753.D
 Acq On : 22 May 2019 20:47
 Operator : SY/AP
 Sample : K2929-09
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-55

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:51:06 AM

Quant Time: May 23 05:38:28 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	1036675	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2672707	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2707092	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.56	95	2128873	9.70	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	33222	0.152	ppbv	99
3) Chlorodifluoromethane	3.01	51	34612m	0.291	ppbv	
4) Chloromethane	3.17	50	15949	0.235	ppbv #	86
9) Propene	3.03	41	8693286	172.118	ppbv	100
10) Heptane	8.24	43	1353280	9.462	ppbv	100
11) Trichlorofluoromethane	4.00	101	77355	0.371	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	20549	0.141	ppbv	98
13) Ethanol	3.65	45	447903	27.437	ppbv	99
15) Acetone	3.89	43	9559059	66.459	ppbv #	87
19) Isopropyl Alcohol	4.03	45	265840	2.866	ppbv #	94
20) Methylene Chloride	4.41	84	67842	1.225	ppbv #	89
26) Hexane	5.78	57	1264674	11.643	ppbv #	85
27) Carbon Disulfide	4.62	76	633554	4.251	ppbv	100
29) Chloroform	5.85	83	860718	4.302	ppbv	100
30) Cyclohexane	7.24	84	159977	1.752	ppbv #	71
34) 2-Butanone	5.32	43	1123688	6.783	ppbv	99
35) Carbon Tetrachloride	7.13	117	359482	1.679	ppbv	97
36) Benzene	7.00	78	1526447	6.278	ppbv	98
38) Trichloroethene	7.95	130	6505m	0.072	ppbv	
44) 2,2,4-Trimethylpentane	7.98	57	496741	1.209	ppbv #	73
50) 4-Methyl-2-Pentanone	8.87	43	139710	0.548	ppbv	100
52) Tetrachloroethene	11.36	164	26635m	0.312	ppbv	
53) Toluene	9.94	91	11953609	45.584	ppbv	95
58) Ethyl Benzene	12.85	91	2068023	5.769	ppbv	99
59) m/p-Xylene	13.11	91	5811262	18.544	ppbv	96
60) o-Xylene	13.84	91	1988700	6.295	ppbv	98
61) Styrene	13.68	104	61799	0.291	ppbv	94
62) Isopropylbenzene	14.81	105	122055	0.287	ppbv	100
64) n-propylbenzene	15.71	120	88654m	0.806	ppbv	
72) 4-Ethyltoluene	15.99	105	463828	1.284	ppbv	98
73) 1,3,5-Trimethylbenzene	16.15	105	316166	0.897	ppbv	97
74) 1,2,4-Trimethylbenzene	16.91	105	1130205	2.947	ppbv #	75
76) 1,4-Dichlorobenzene	17.30	146	30130	0.135	ppbv #	72
79) Naphthalene	22.40	128	100610m	0.282	ppbv	

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

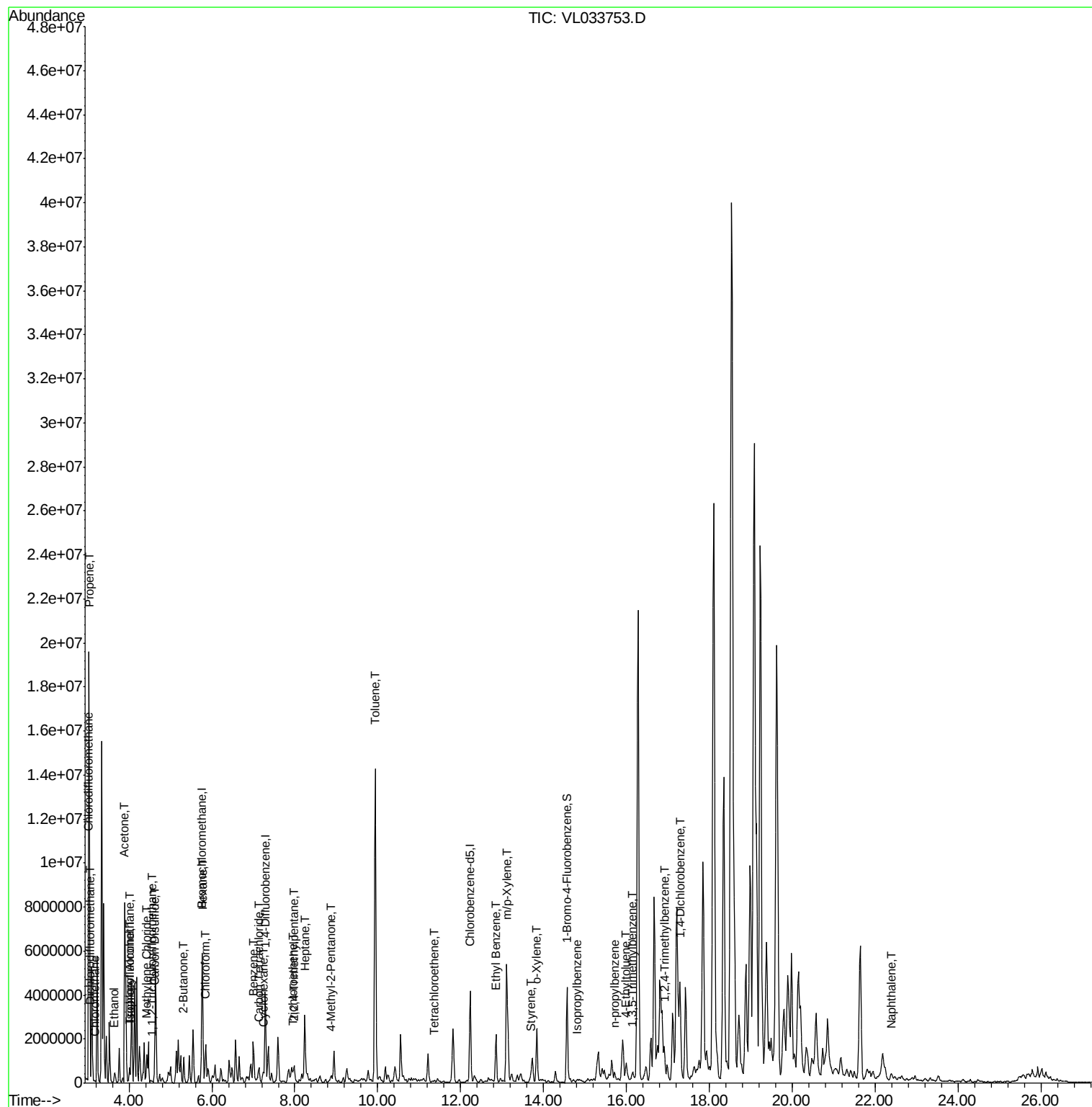
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\
Data File : VL033753.D
Acq On : 22 May 2019 20:47
Operator : SY/AP
Sample : K2929-09
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

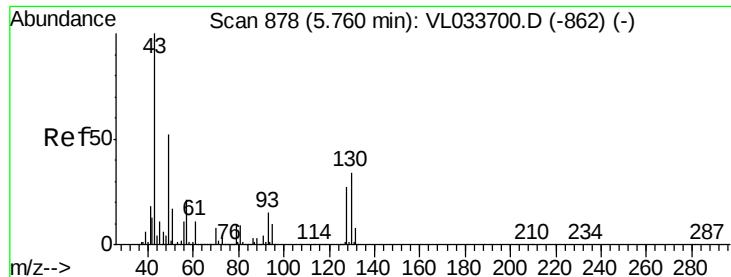
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55

Manual Integrations
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5/28/2019 2:51:06 AM

Quant Time: May 23 05:38:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion: 49 Resp: 1036675

Ion Ratio Lower Upper

49 100

128 51.1 25.2 75.6

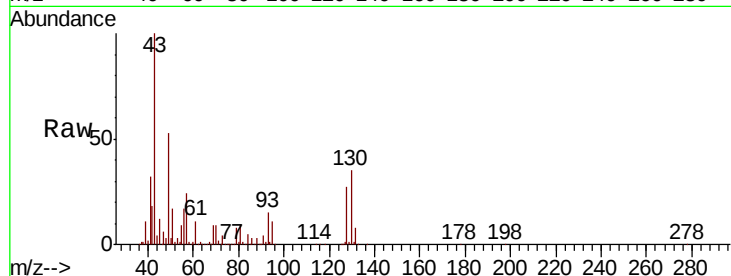
130 65.7 32.5 97.5

Manual Integrations

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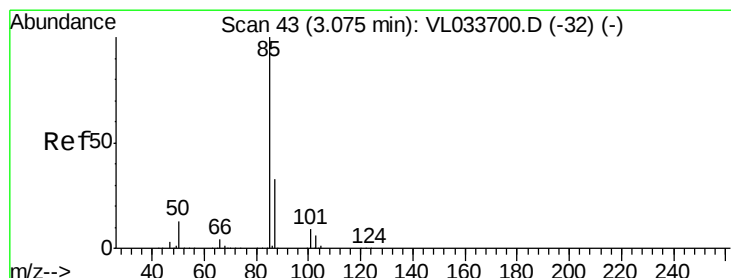
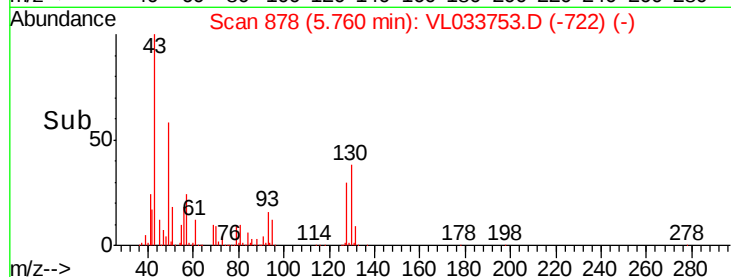
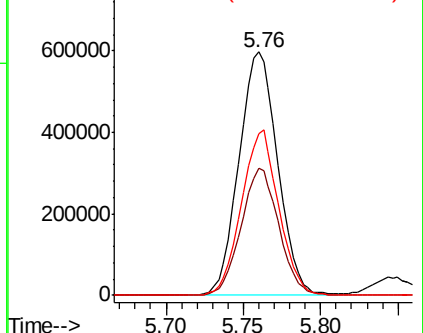
5/28/2019 2:51:06 AM



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: 0.152 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033753.D

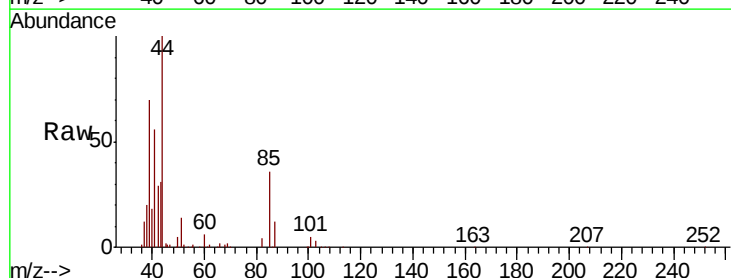
Acq: 22 May 2019 20:47

Tgt Ion: 85 Resp: 33222

Ion Ratio Lower Upper

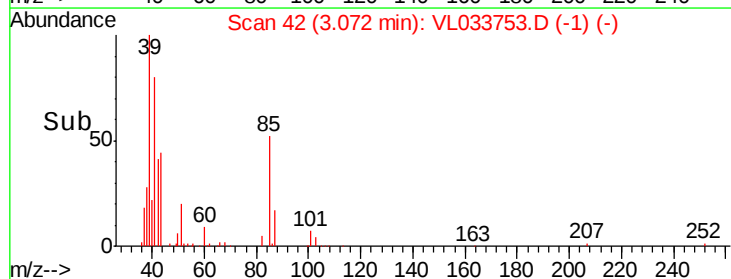
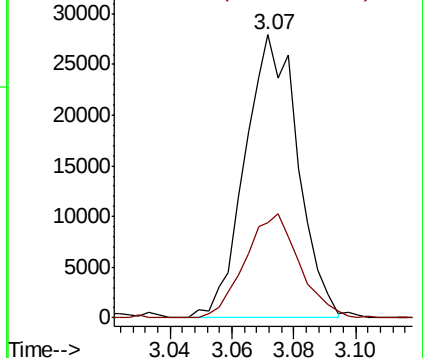
85 100

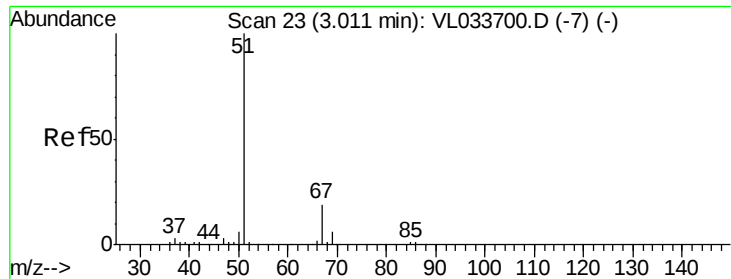
87 33.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.291 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion: 51 Resp: 34612

Ion Ratio Lower Upper

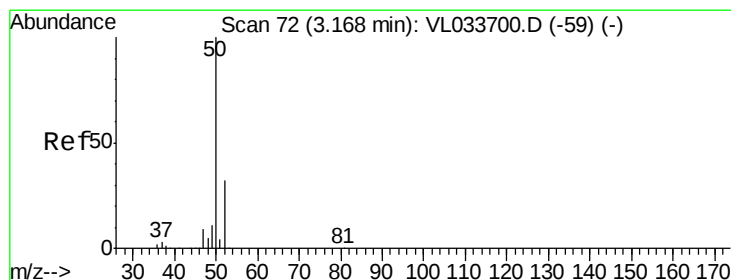
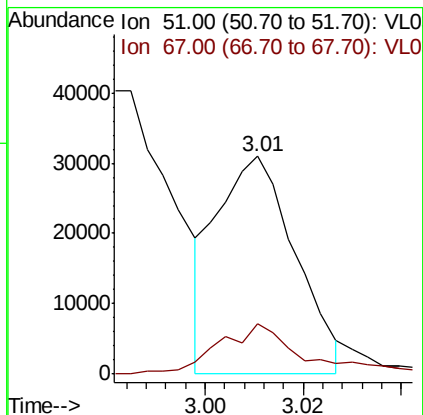
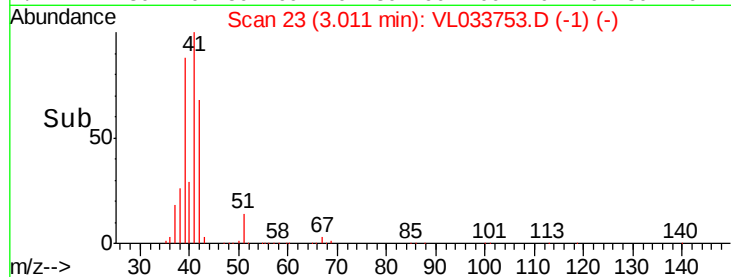
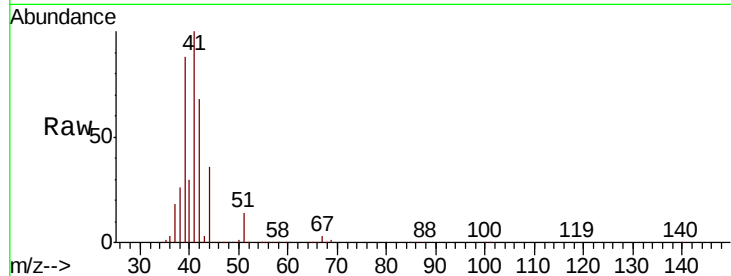
51 100

67 26.2 15.6 23.4#

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#4

Chloromethane

Concen: 0.235 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033753.D

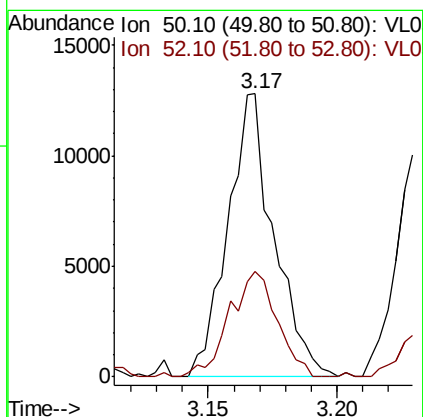
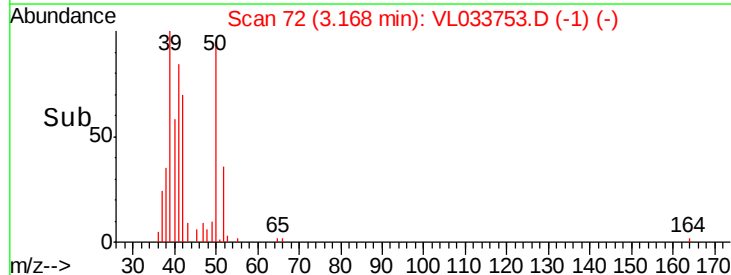
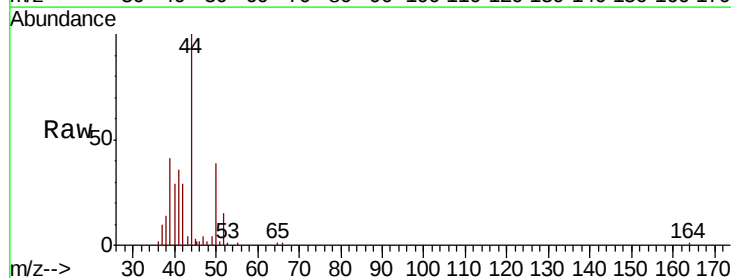
Acq: 22 May 2019 20:47

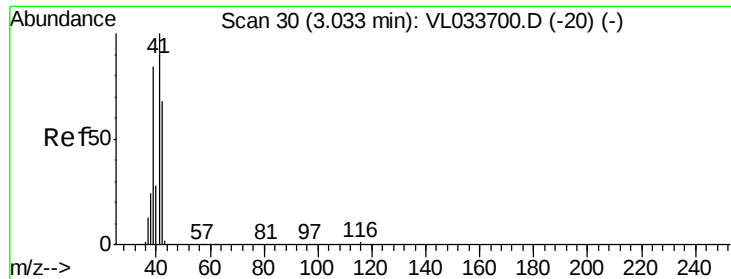
Tgt Ion: 50 Resp: 15949

Ion Ratio Lower Upper

50 100

52 39.9 25.7 38.5#





#9

Propene

Concen: 172.118 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion: 41 Resp: 8693286

Ion Ratio Lower Upper

41 100

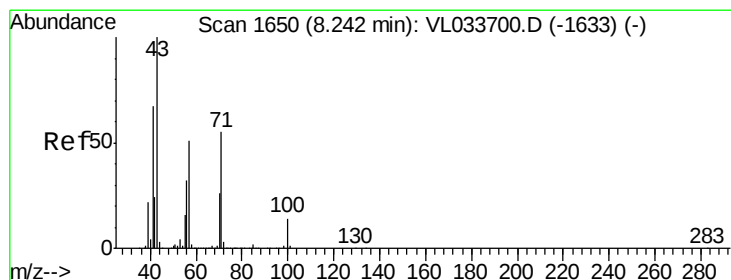
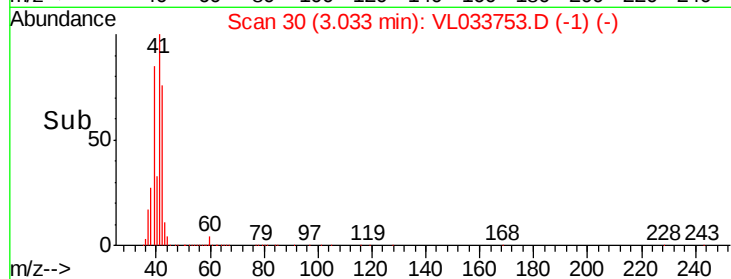
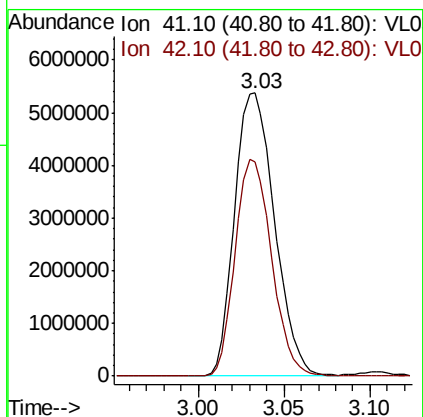
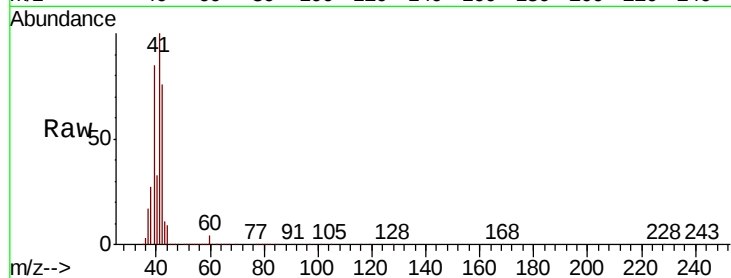
42 70.1 56.1 84.1

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#10

Heptane

Concen: 9.462 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033753.D

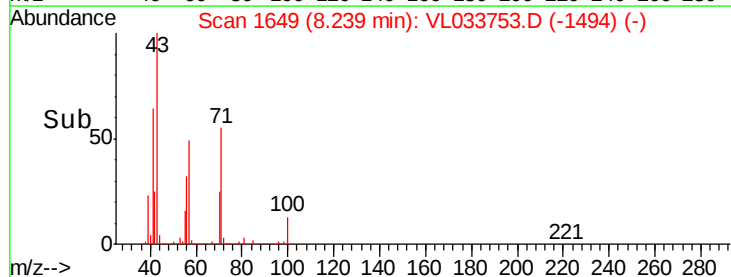
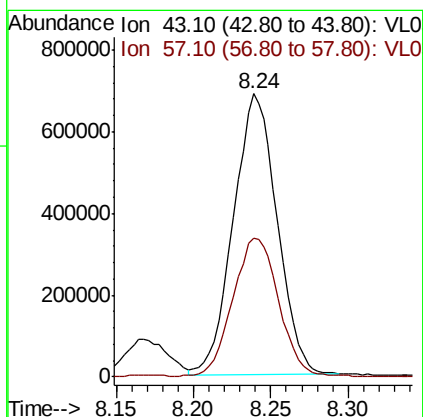
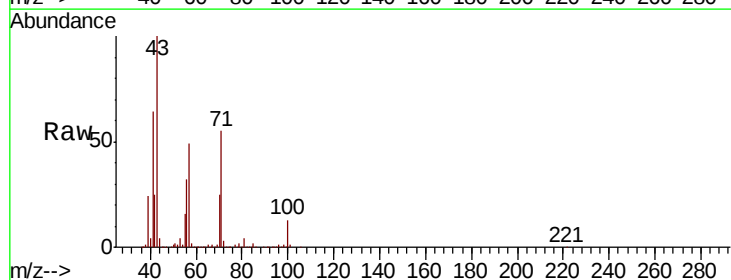
Acq: 22 May 2019 20:47

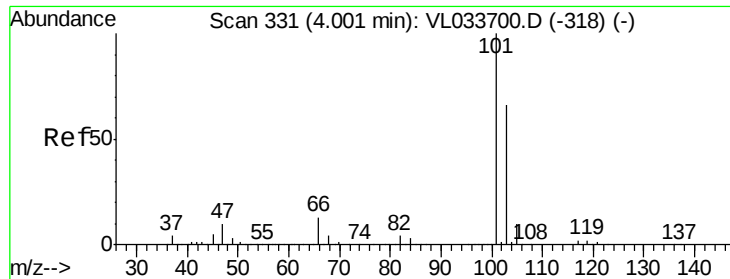
Tgt Ion: 43 Resp: 1353280

Ion Ratio Lower Upper

43 100

57 51.6 41.4 62.0





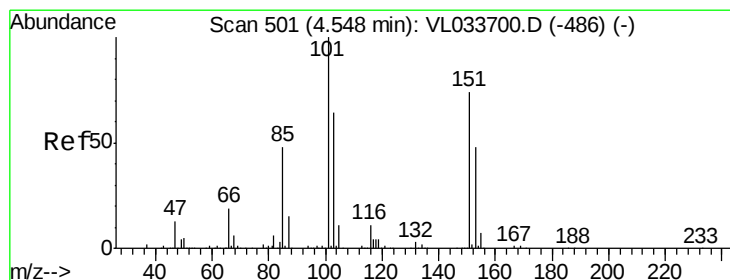
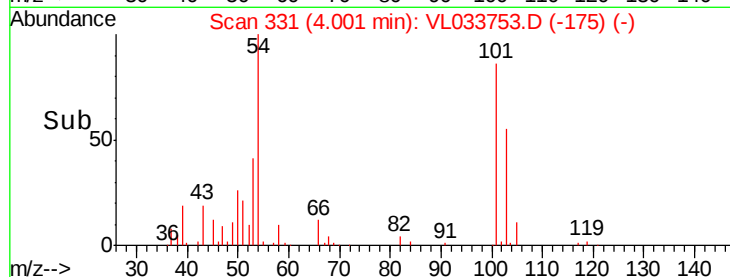
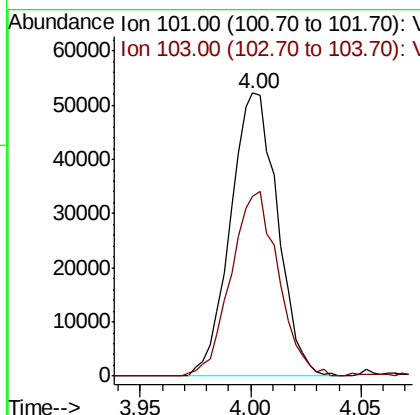
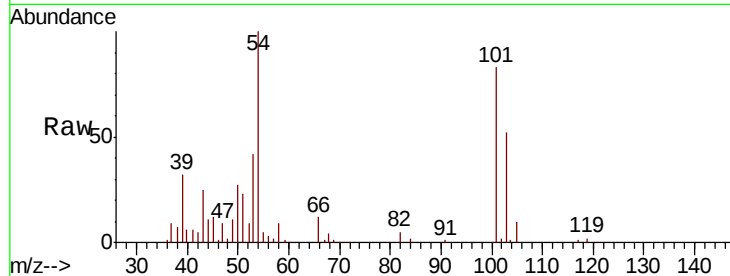
#11
 Trichlorofluoromethane
 Concen: 0.371 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033753.D
 Acq: 22 May 2019 20:47

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-55

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		77355		
103	64.3	52.6	78.8		

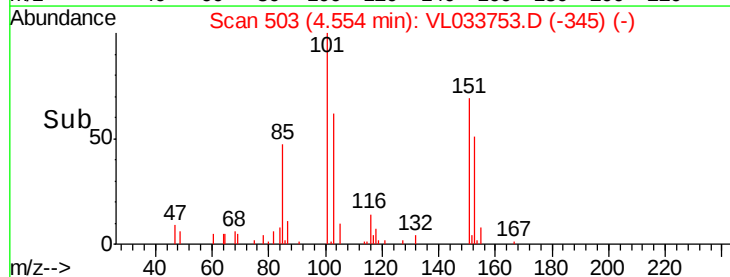
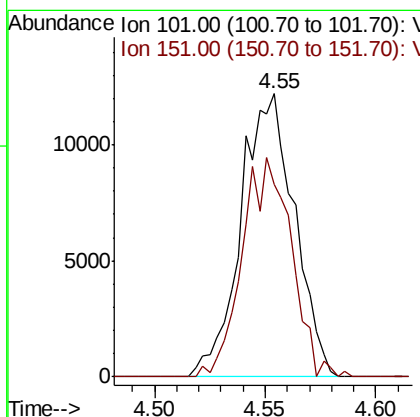
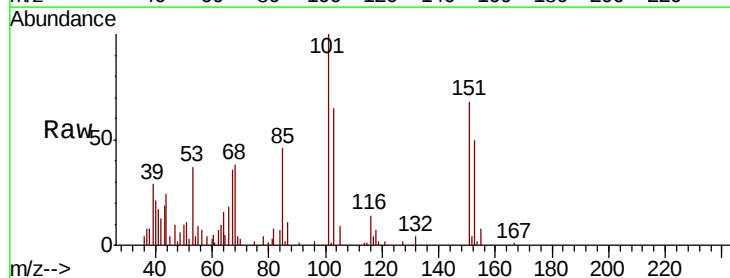
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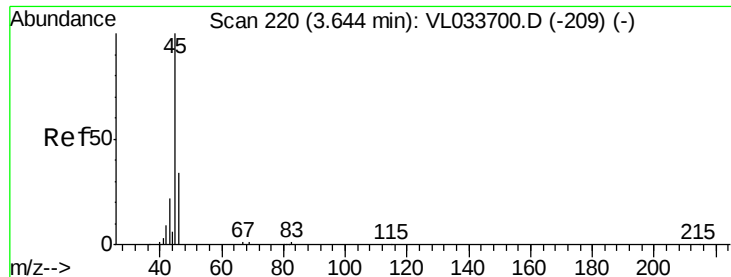
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.141 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VL033753.D
 Acq: 22 May 2019 20:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		20549		
151	70.8	58.2	87.4		





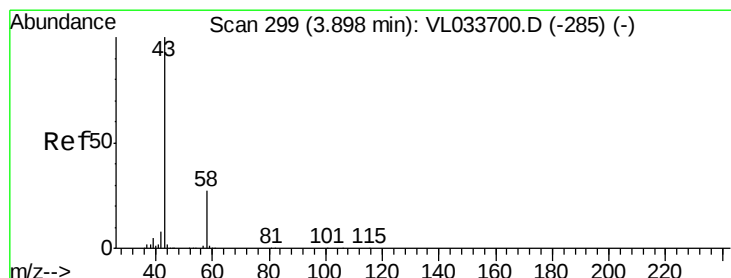
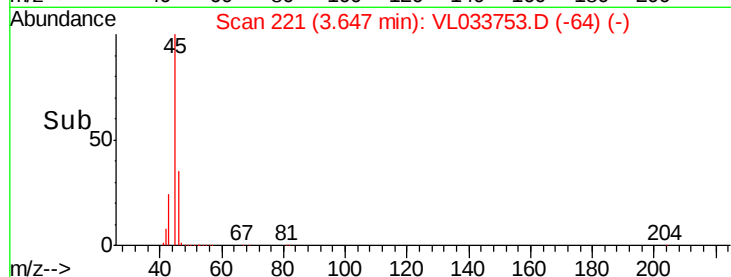
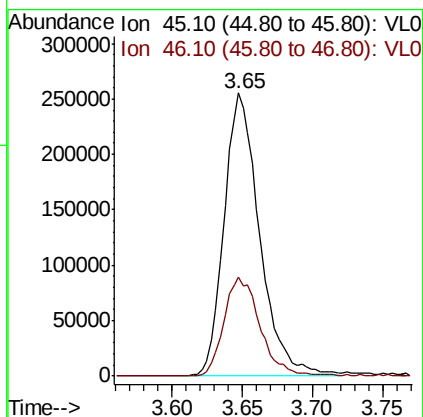
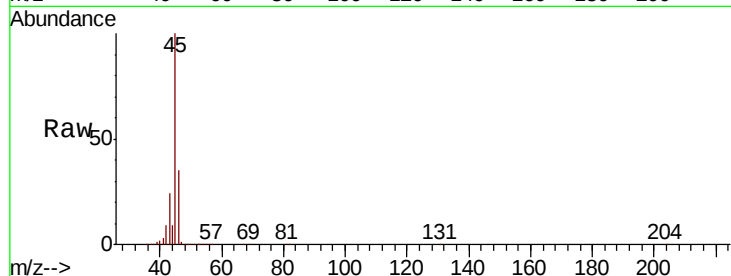
#13
Ethanol
Concen: 27.437 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033753.D
Acq: 22 May 2019 20:47

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.8	59.0

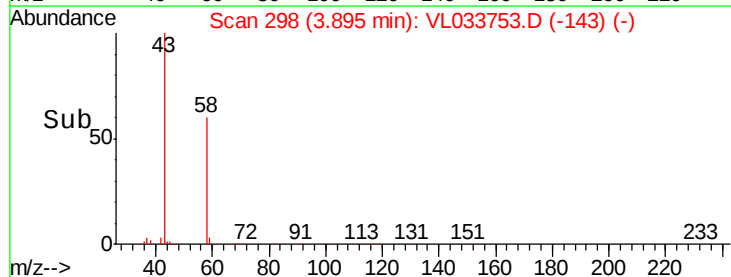
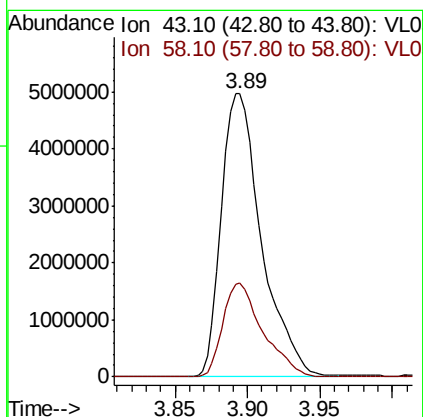
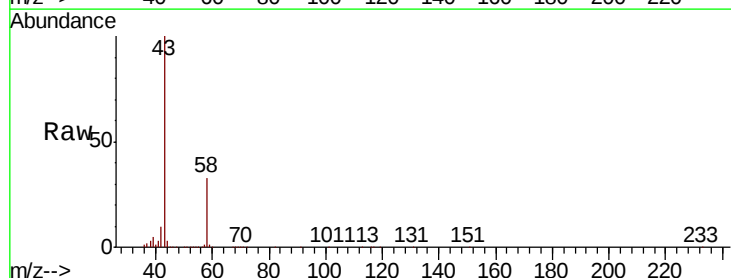
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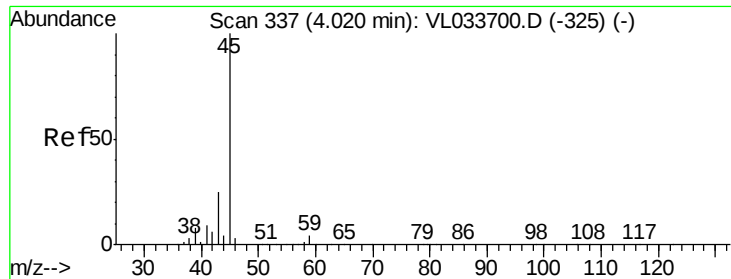
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#15
Acetone
Concen: 66.459 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033753.D
Acq: 22 May 2019 20:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.1	21.3	31.9#





#19

Isopropyl Alcohol

Concen: 2.866 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion: 45 Resp: 265840

Ion Ratio Lower Upper

45 100

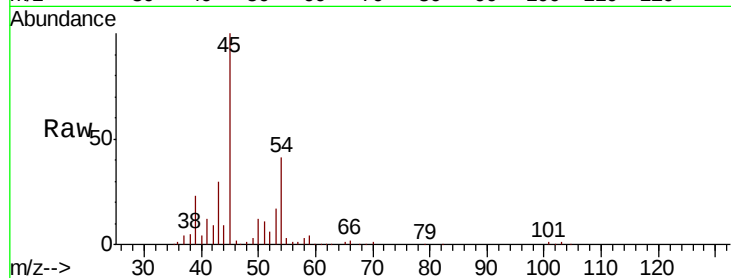
58 0.0 1.6 2.4#

Manual Integrations

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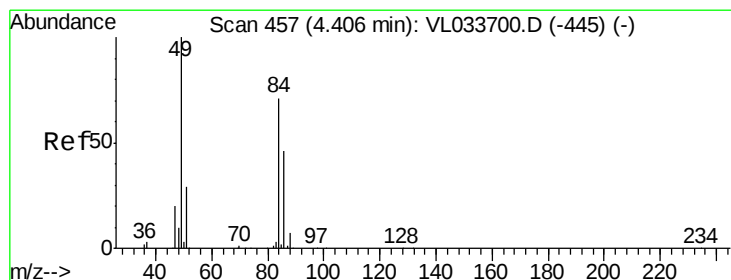
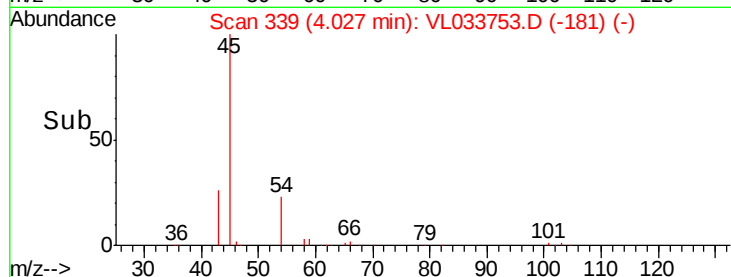
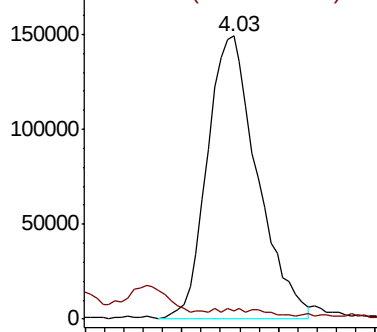
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.225 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Tgt Ion: 84 Resp: 67842

Ion Ratio Lower Upper

84 100

49 140.6 112.8 169.2

51 9.6 33.4 50.0#

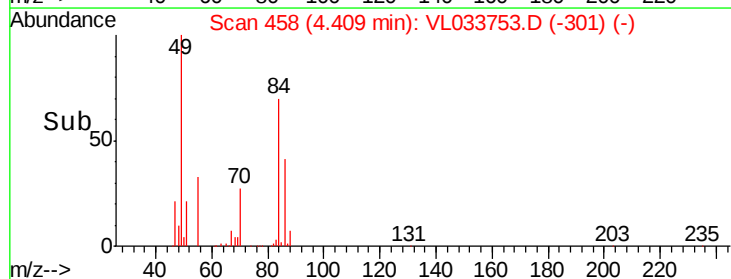
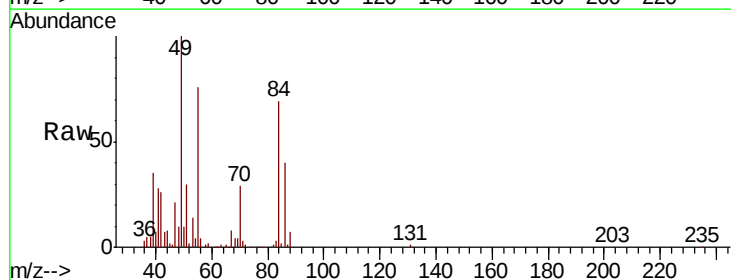
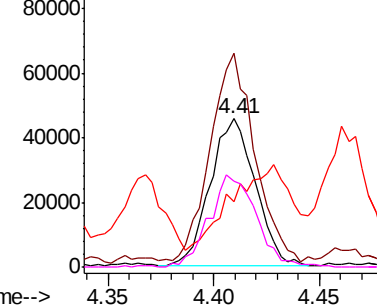
86 58.2 51.7 77.5

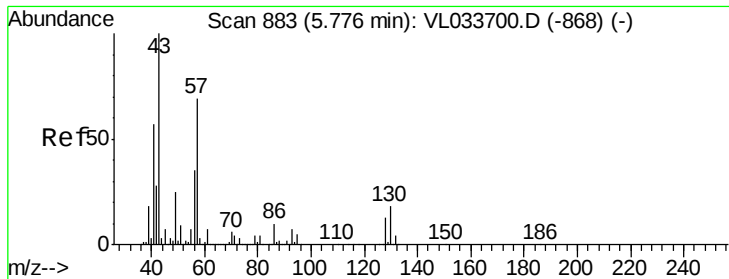
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#26

Hexane

Concen: 11.643 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion: 57 Resp: 1264674

Ion Ratio Lower Upper

57 100

41 105.0 69.8 104.6#

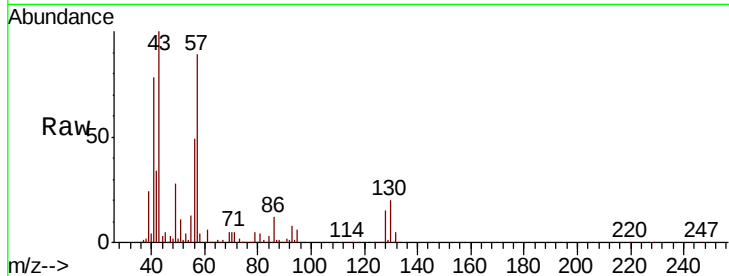
43 203.3 181.8 272.6

56 59.4 42.1 63.1

Manual Integrations
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5/28/2019 2:51:06 AM

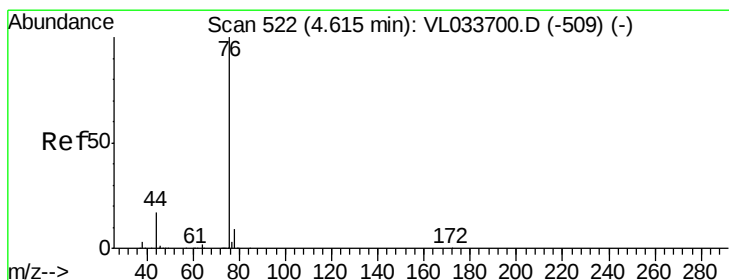
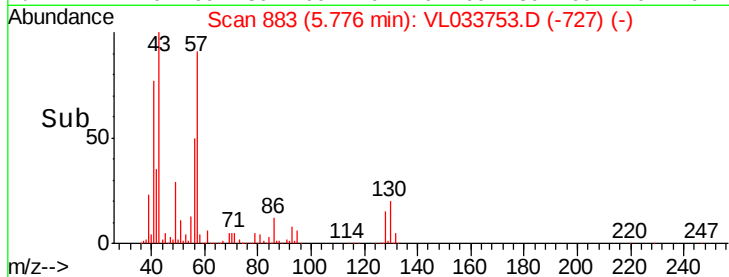
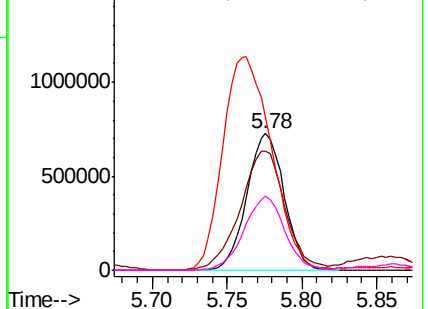


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 4.251 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

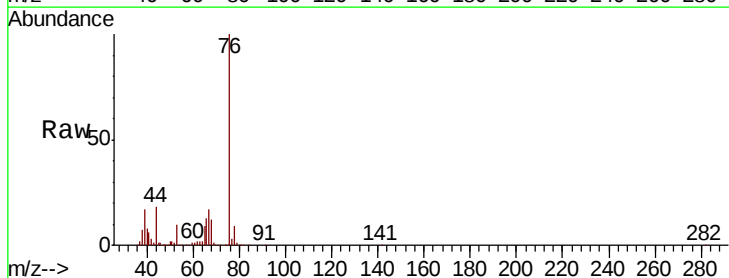
Tgt Ion: 76 Resp: 633554

Ion Ratio Lower Upper

76 100

44 17.5 13.8 20.8

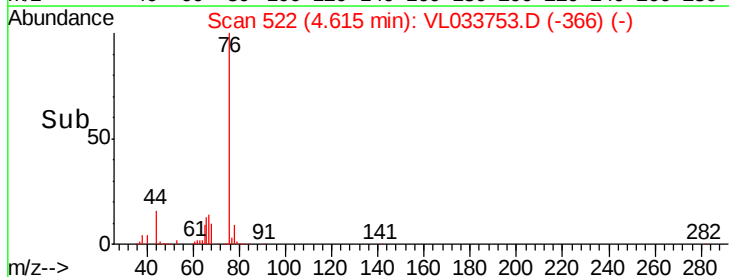
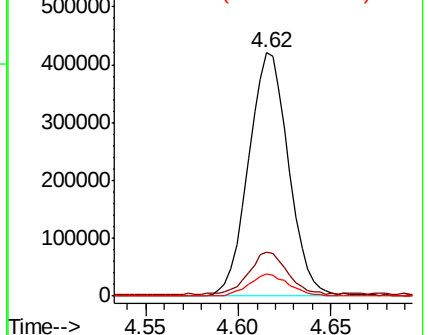
78 9.3 7.4 11.0

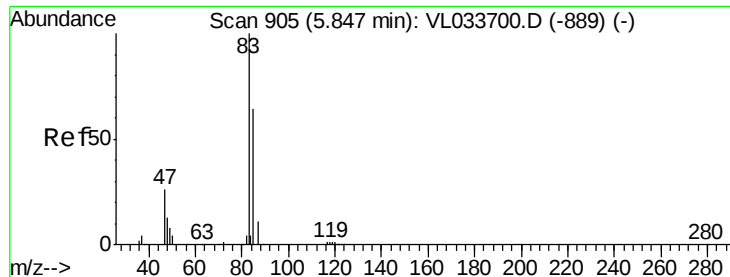


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





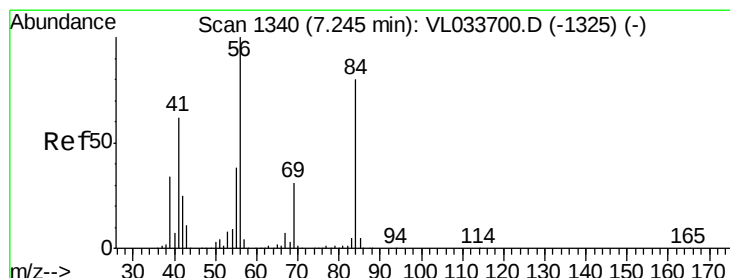
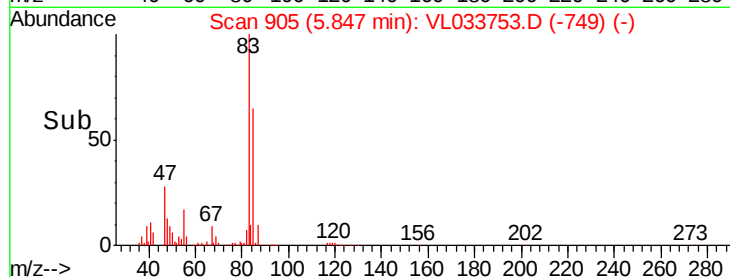
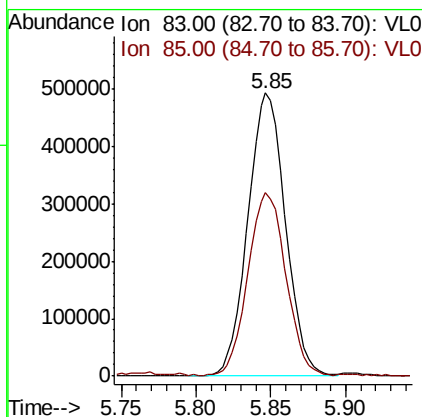
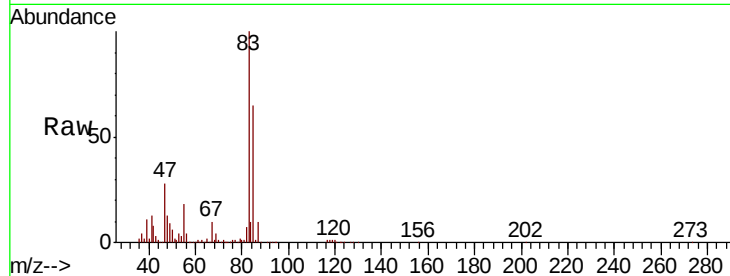
#29
Chloroform
Concen: 4.302 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033753.D
Acq: 22 May 2019 20:47

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55

Tot Ion	83	Resp	860718
Ion Ratio	100	Lower	Upper
85	64.5	51.5	77.3

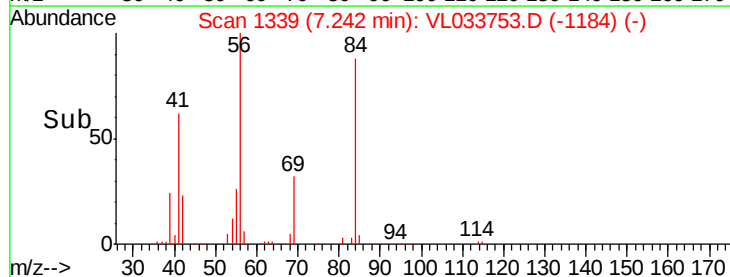
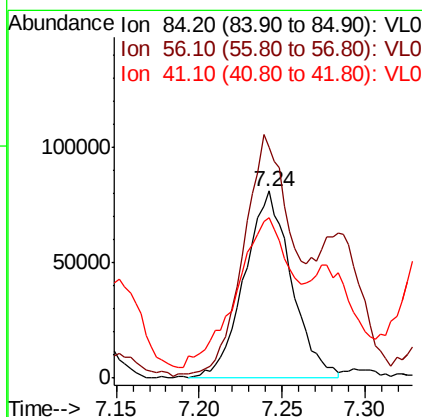
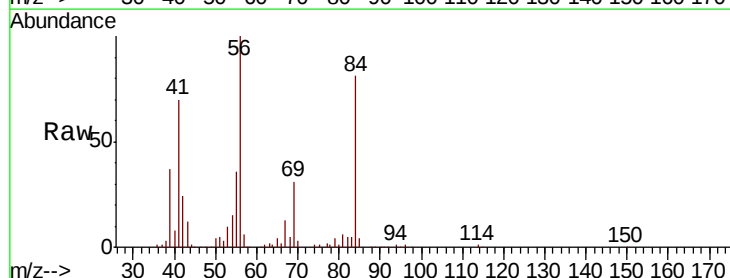
Manual Integrations
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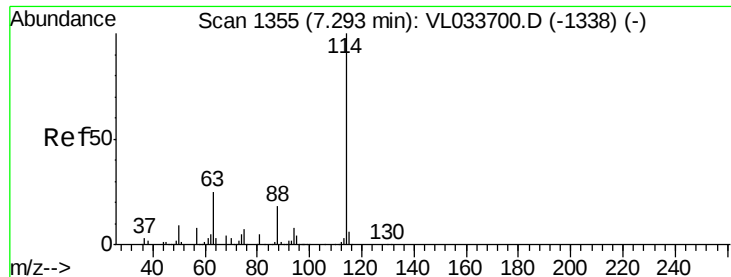
MMDadoda
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#30
Cyclohexane
Concen: 1.752 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033753.D
Acq: 22 May 2019 20:47

Tgt Ion	84	Resp	159977
Ion Ratio	100	Lower	Upper
56	127.2	107.7	161.5
41	142.8	66.0	99.0#





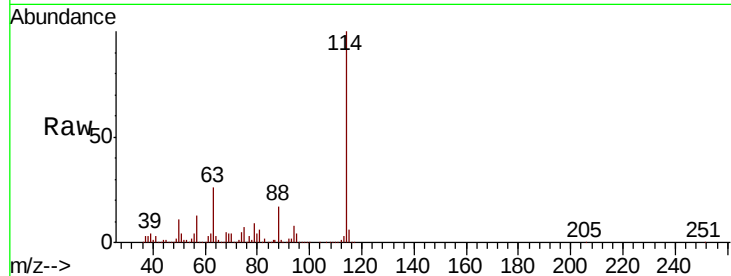
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033753.D
 Acq: 22 May 2019 20:47

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-55

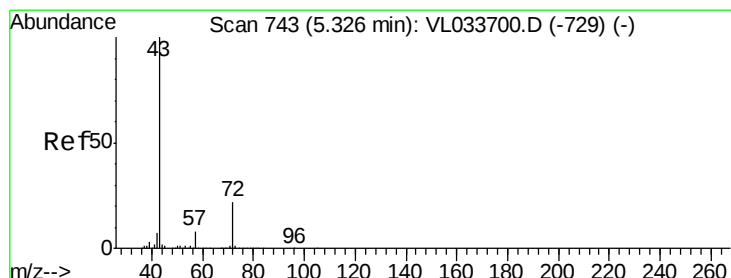
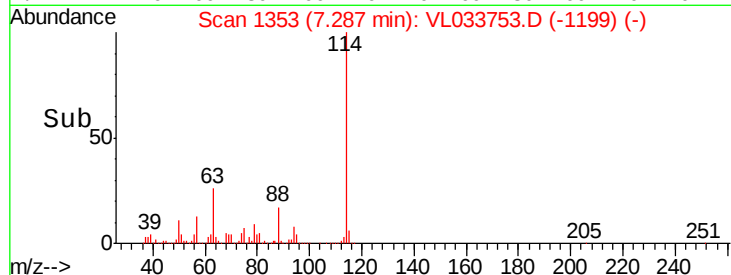
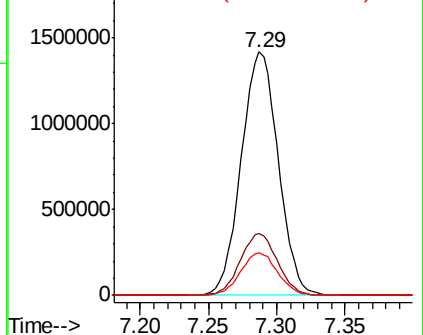
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.9	31.3
88	17.5	14.3	21.5

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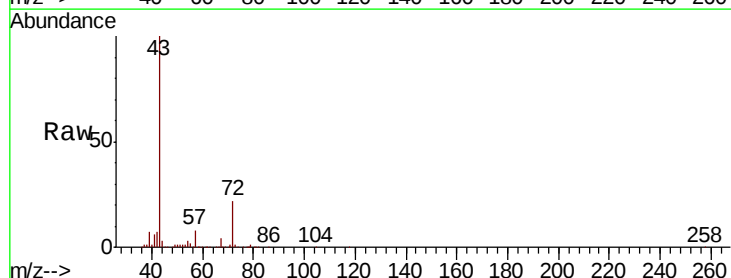


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

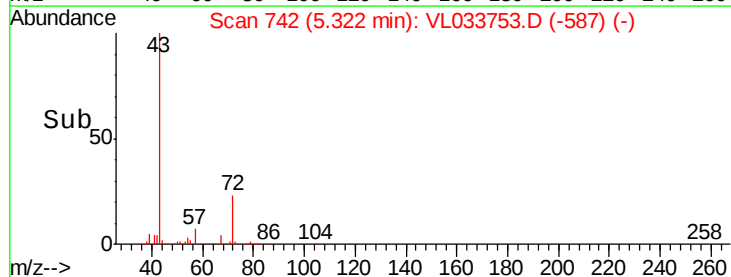
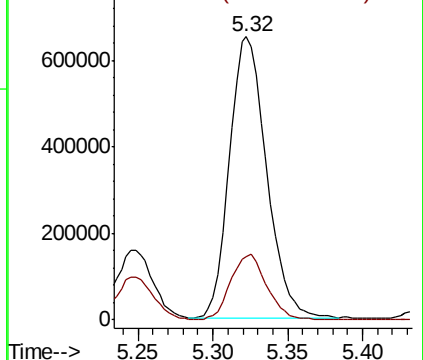


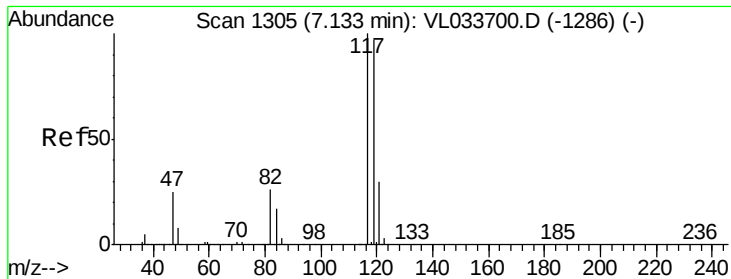
#34
 2-Butanone
 Concen: 6.783 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033753.D
 Acq: 22 May 2019 20:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.679 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

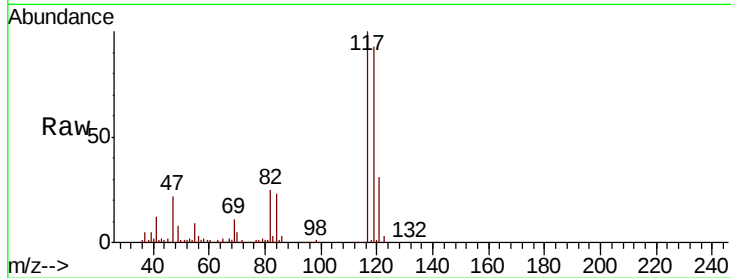
ClientSampleId :

BPS1-SG-3001-55

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.2	115.8
121	31.1	24.1	36.1

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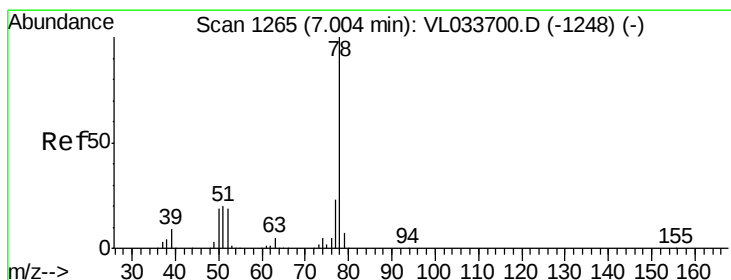
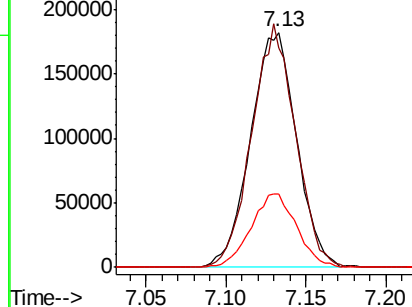
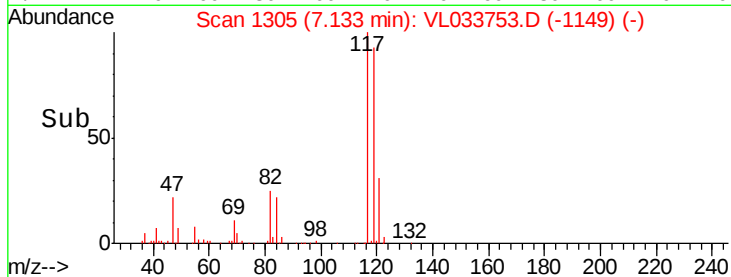


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 6.278 ppbv

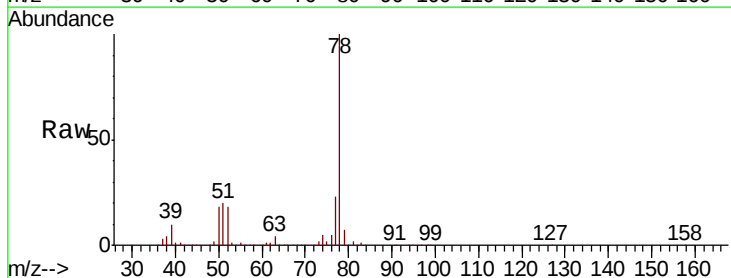
RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.4	27.6
50	17.7	15.5	23.3

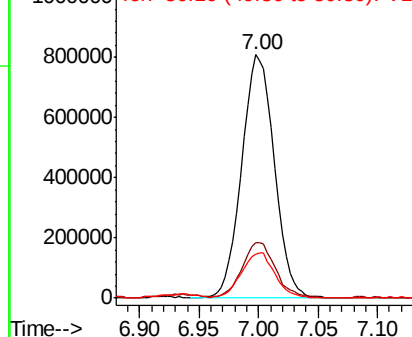
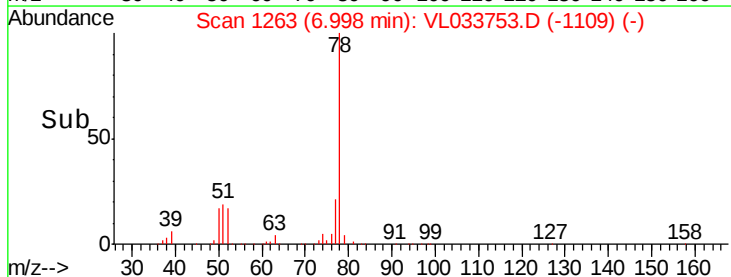


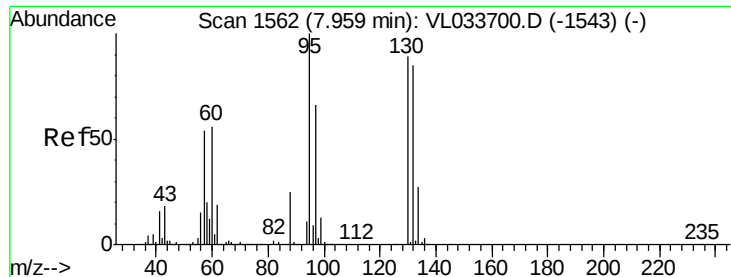
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





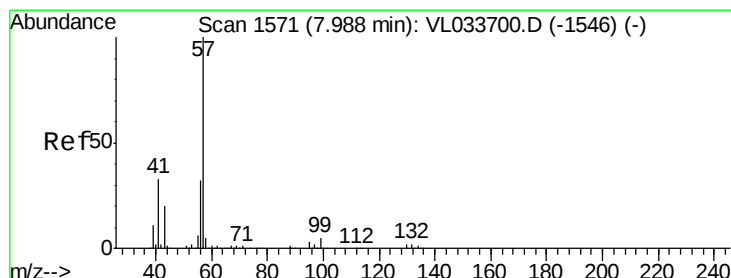
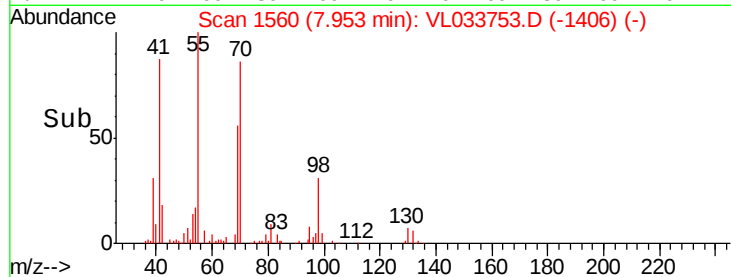
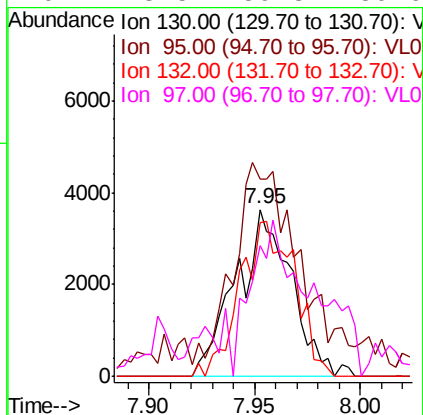
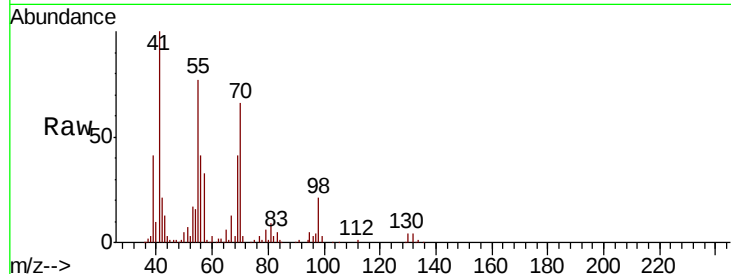
#38
 Trichloroethene
 Concen: 0.072 ppbv m
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033753.D
 Acq: 22 May 2019 20:47

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-55

Tot Ion	Ratio	Resp	Lower	Upper
130	100	6505		
95	118.2		90.2	135.4
132	92.2		76.4	114.6
97	78.5		59.8	89.6

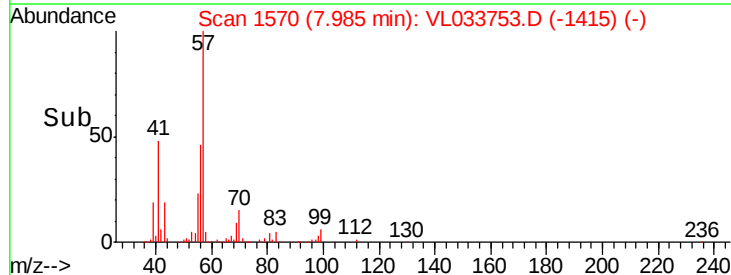
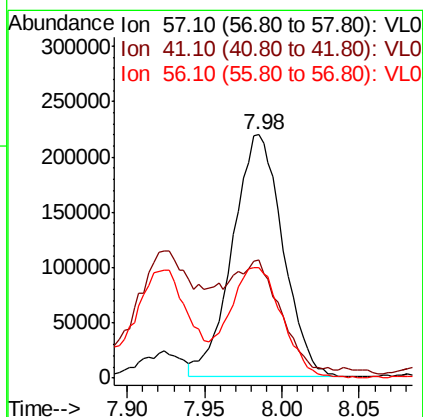
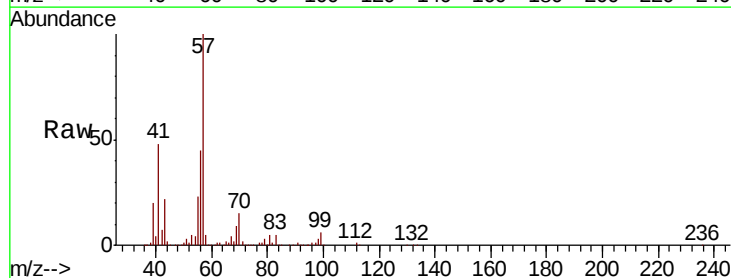
Manual Integrations
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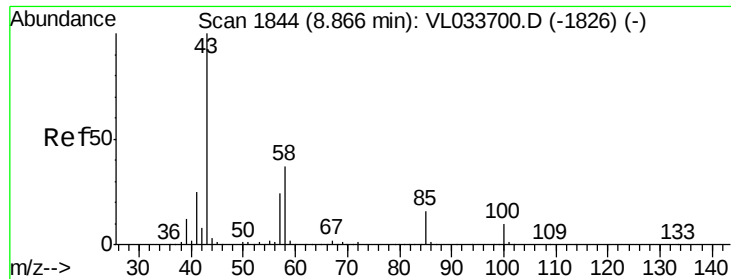
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#44
 2,2,4-Trimethylpentane
 Concen: 1.209 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL033753.D
 Acq: 22 May 2019 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	496741		
41	44.9		25.4	38.0#
56	47.8		24.7	37.1#





#50

4-Methyl-2-Pentanone

Concen: 0.548 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion: 43 Resp: 139710

Ion Ratio Lower Upper

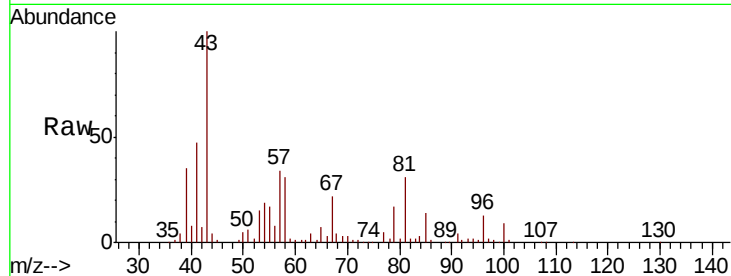
43 100

58 35.7 28.6 43.0

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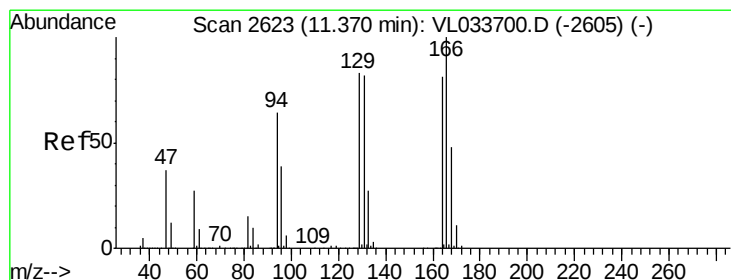
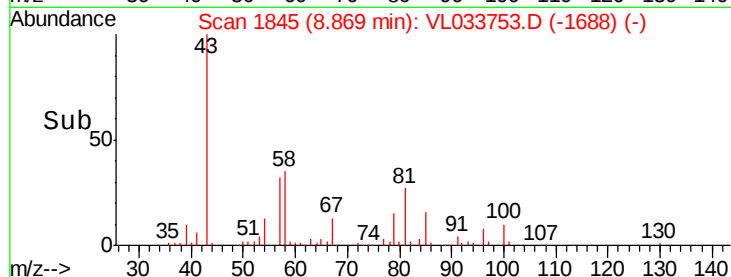
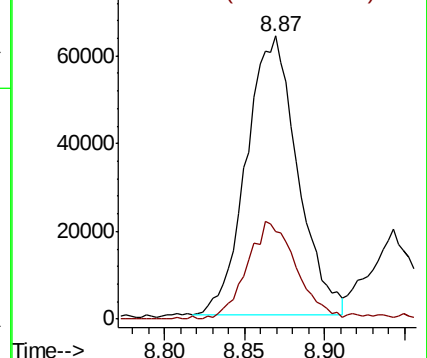
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#52

Tetrachloroethene

Concen: 0.312 ppbv m

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Tgt Ion: 164 Resp: 26635

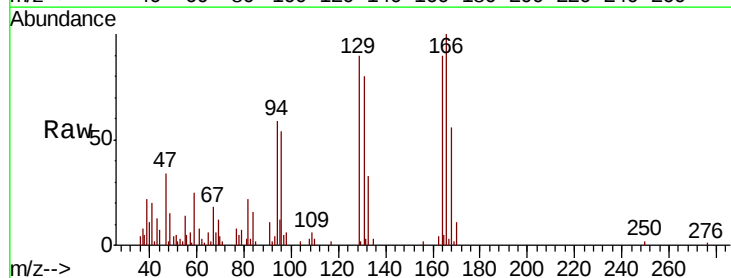
Ion Ratio Lower Upper

164 100

166 111.6 98.9 148.3

129 100.0 81.8 122.6

131 89.6 81.1 121.7

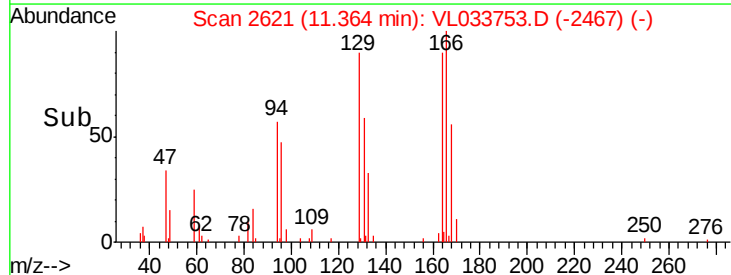
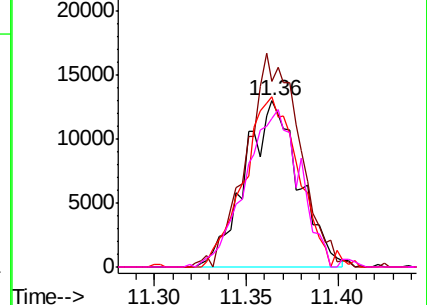


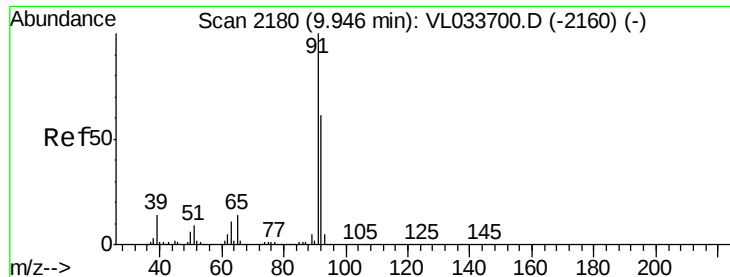
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 45.584 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion: 91 Resp: 11953609

Ion Ratio Lower Upper

91 100

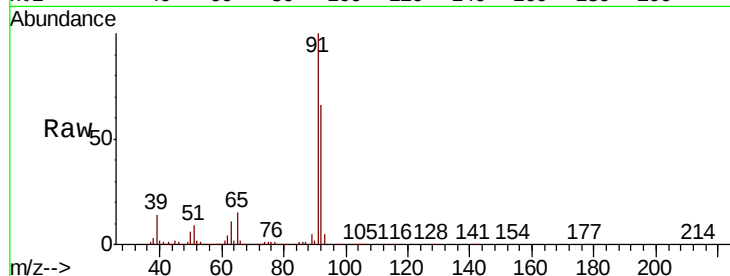
92 63.6 47.6 71.4

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

6000000

5000000

4000000

3000000

2000000

1000000

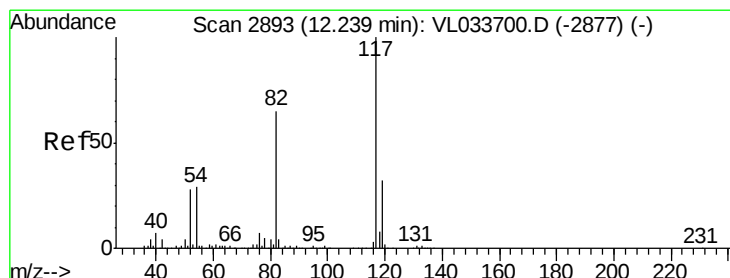
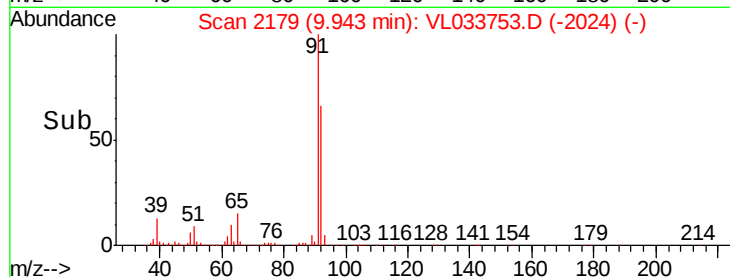
0

9.90

9.94

10.00

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

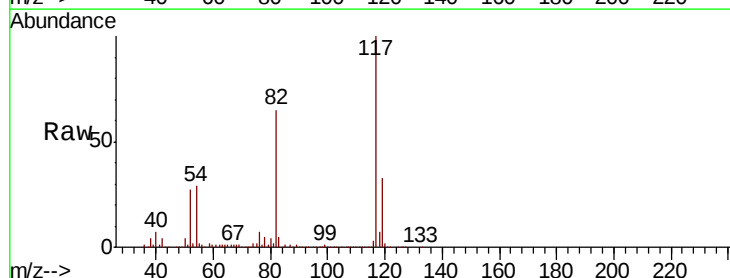
Tgt Ion: 117 Resp: 2707092

Ion Ratio Lower Upper

117 100

82 64.4 49.4 74.0

119 32.7 24.9 37.3



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

1500000

1000000

500000

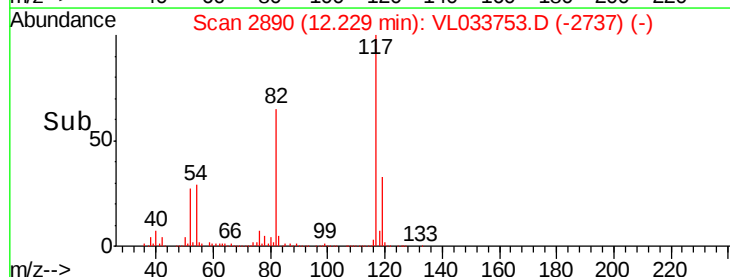
0

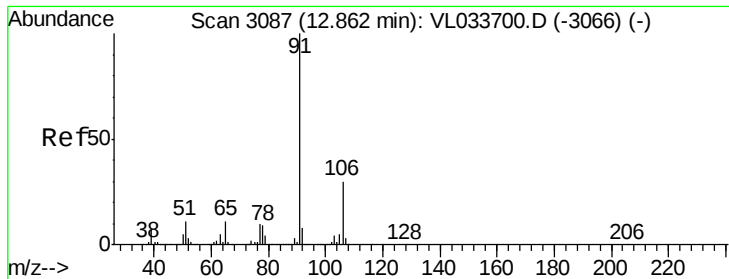
12.10

12.23

12.30

Time-->





#58

Ethyl Benzene

Concen: 5.769 ppbv

RT: 12.85 min Scan# 3084

Delta R.T. -0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion: 91 Resp: 2068023

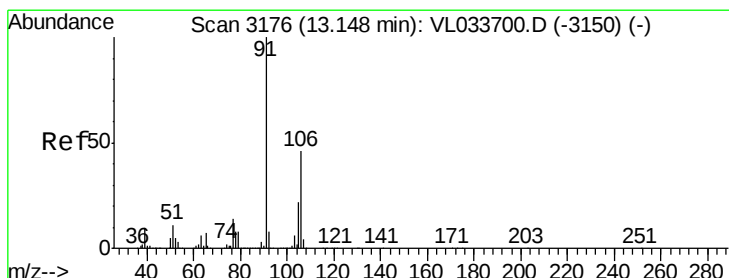
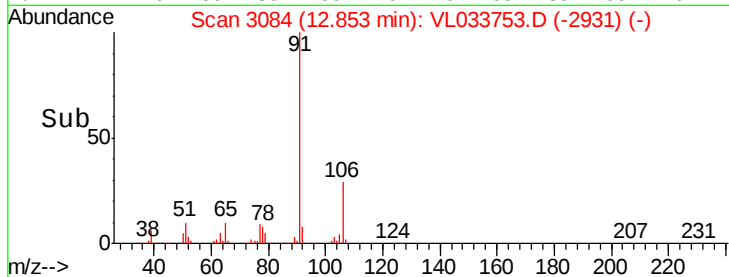
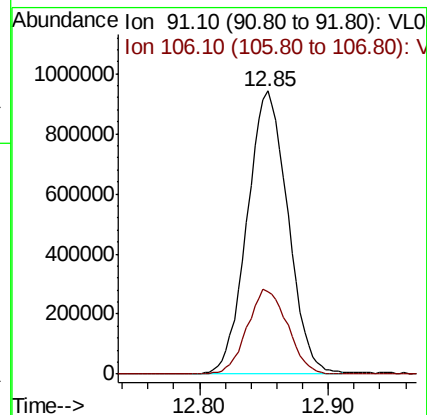
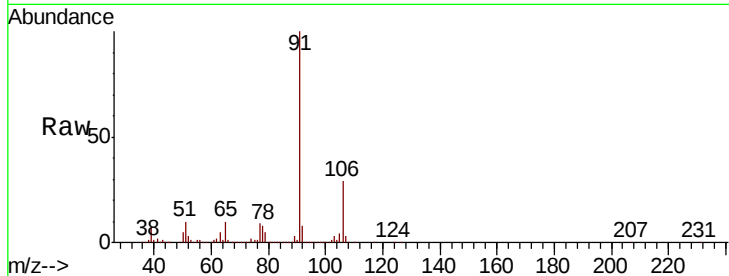
Ion Ratio Lower Upper

91 100

106 29.3 23.9 35.9

Manual Integrations
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#59

m/p-Xylene

Concen: 18.544 ppbv

RT: 13.11 min Scan# 3164

Delta R.T. -0.04 min

Lab File: VL033753.D

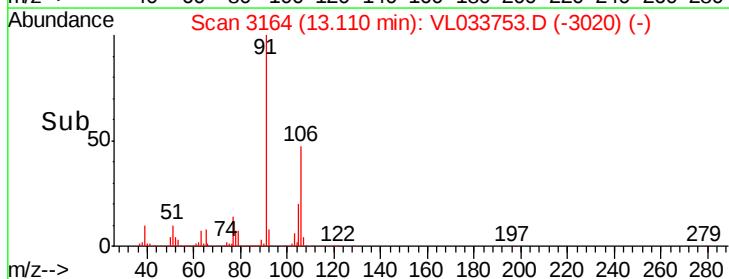
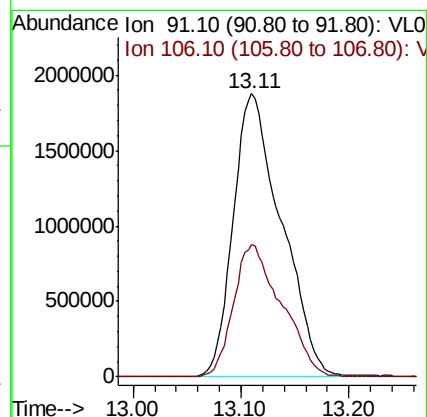
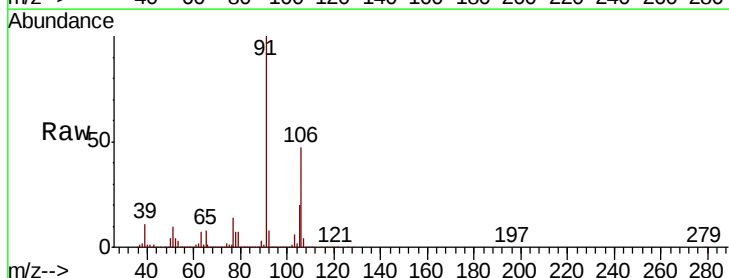
Acq: 22 May 2019 20:47

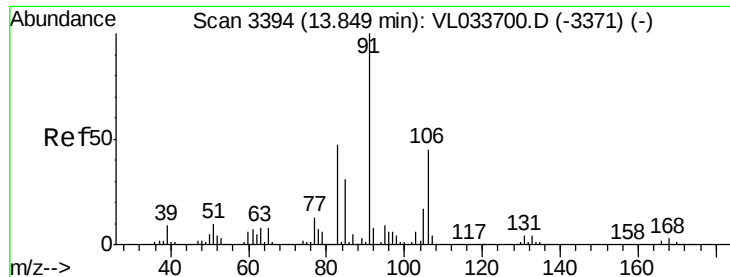
Tgt Ion: 91 Resp: 5811262

Ion Ratio Lower Upper

91 100

106 47.0 35.8 53.6





#60

o-Xylene

Concen: 6.295 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion: 91 Resp: 1988700

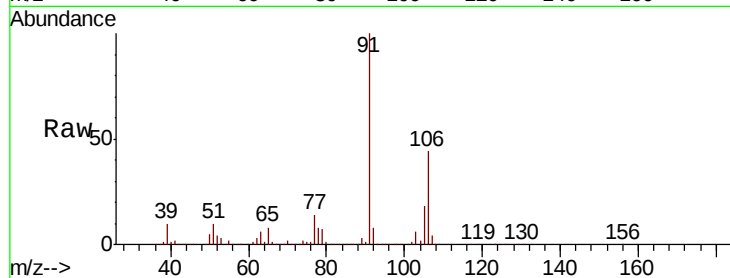
Ion Ratio Lower Upper

91 100

106 44.4 21.6 64.8

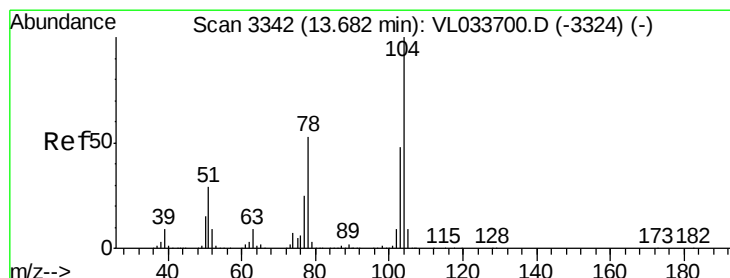
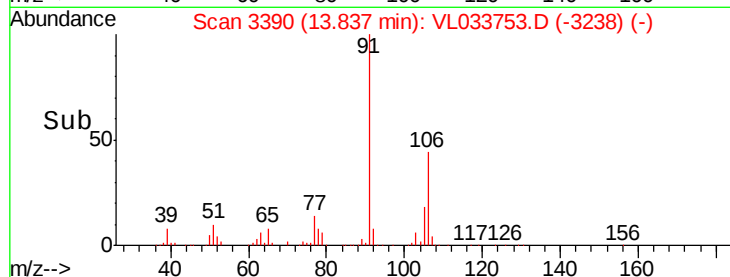
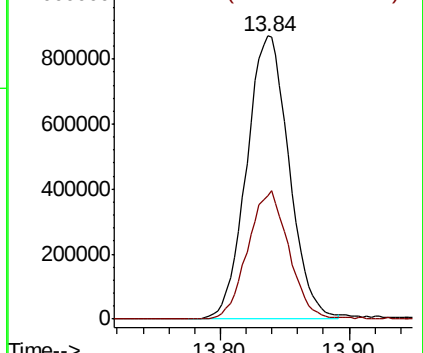
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.291 ppbv

RT: 13.68 min Scan# 3340

Delta R.T. -0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

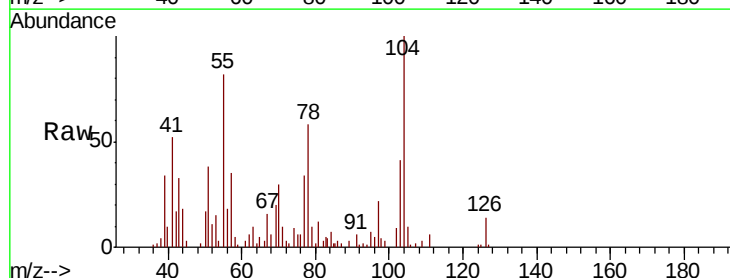
Tgt Ion: 104 Resp: 61799

Ion Ratio Lower Upper

104 100

78 59.3 42.6 64.0

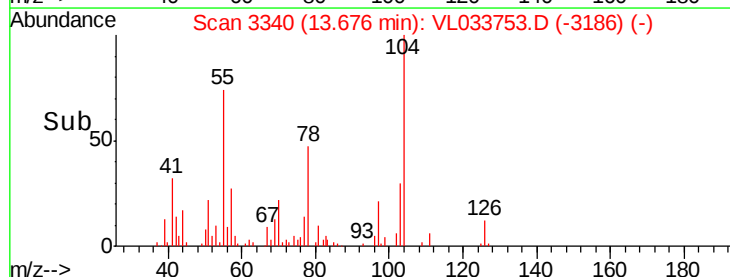
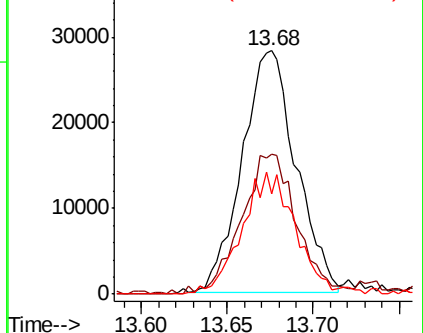
103 50.0 37.8 56.6

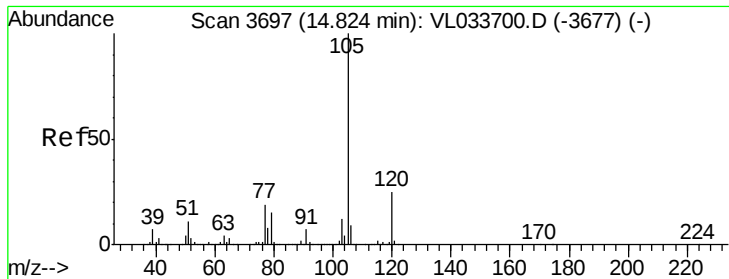


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.287 ppbv

RT: 14.81 min Scan# 3693

Delta R.T. -0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion:105 Resp: 122055

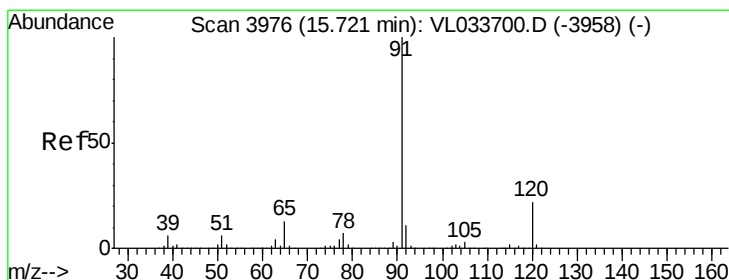
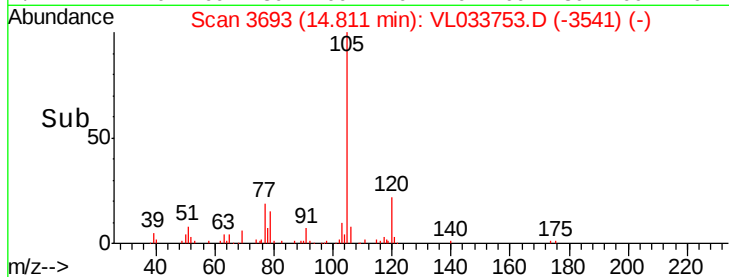
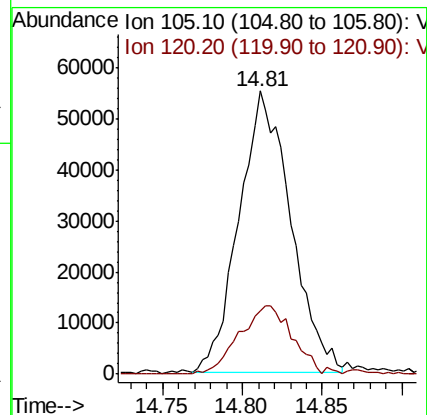
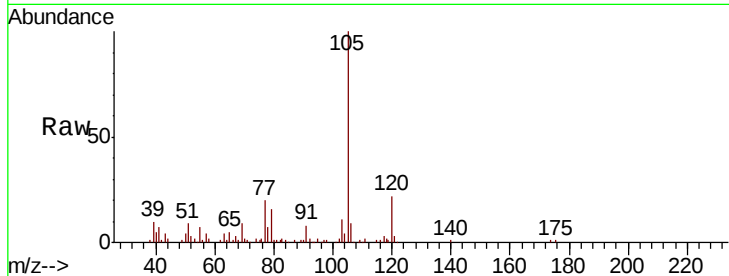
Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

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#64

n-propylbenzene

Concen: 0.806 ppbv m

RT: 15.71 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL033753.D

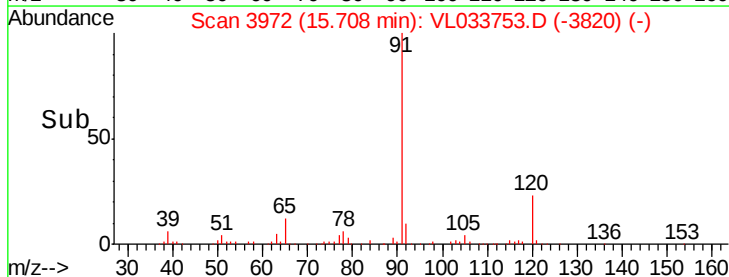
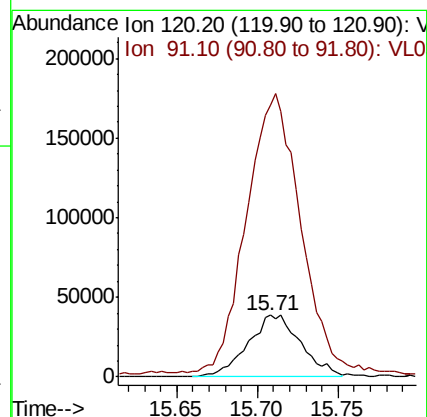
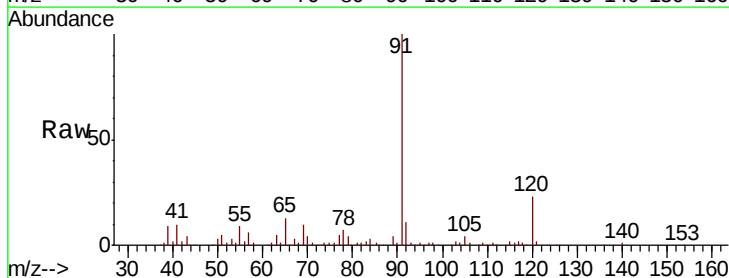
Acq: 22 May 2019 20:47

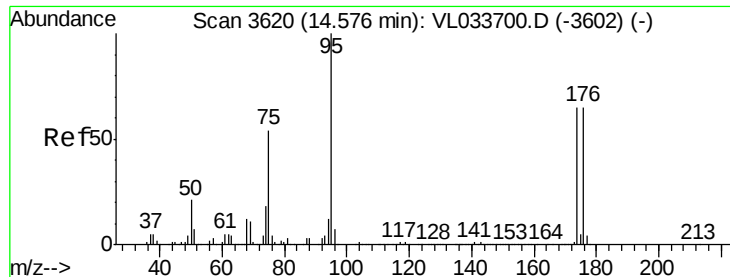
Tgt Ion:120 Resp: 88654

Ion Ratio Lower Upper

120 100

91 0.0 379.1 568.7#





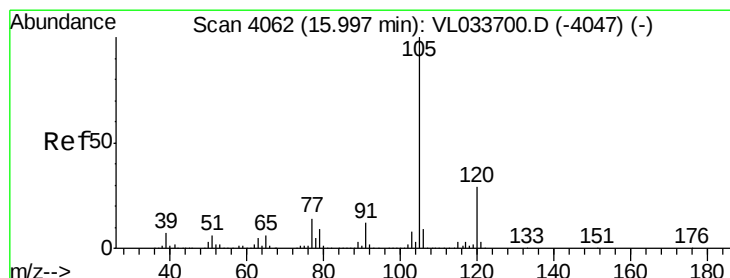
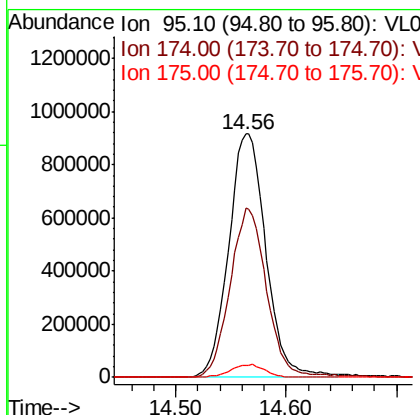
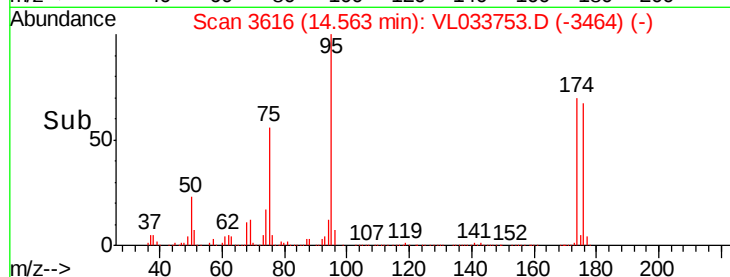
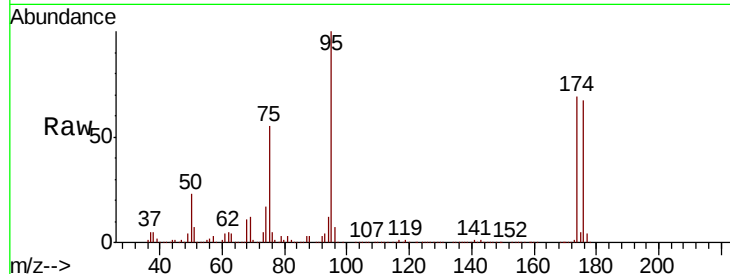
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.701 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033753.D
 Acq: 22 May 2019 20:47

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-55

Tot Ion: 95 Resp: 2128873
 Ion Ratio Lower Upper
 95 100
 174 68.9 53.9 80.9
 175 5.0 3.8 5.8

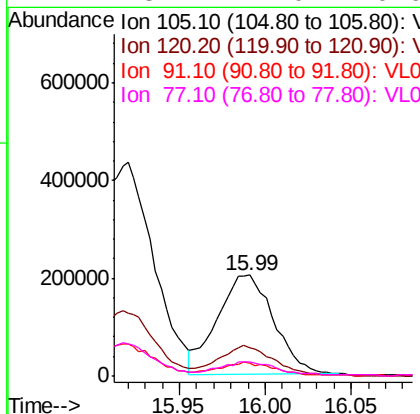
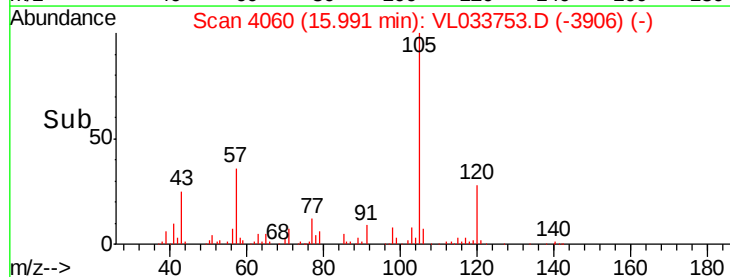
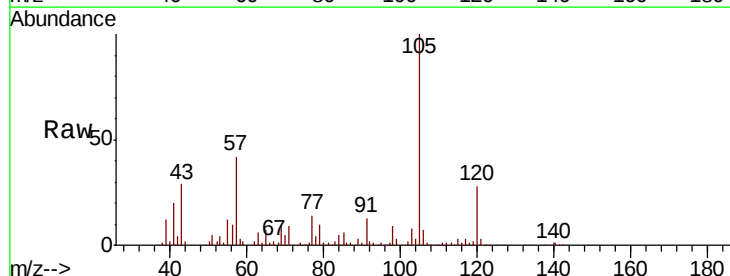
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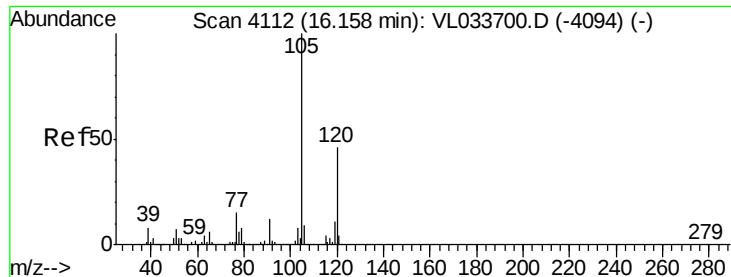
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#72
 4-Ethyltoluene
 Concen: 1.284 ppbv
 RT: 15.99 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL033753.D
 Acq: 22 May 2019 20:47

Tgt Ion: 105 Resp: 463828
 Ion Ratio Lower Upper
 105 100
 120 30.2 23.1 34.7
 91 13.5 10.4 15.6
 77 13.4 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 0.897 ppbv

RT: 16.15 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-55

Tot Ion:105 Resp: 316166

Ion Ratio Lower Upper

105 100

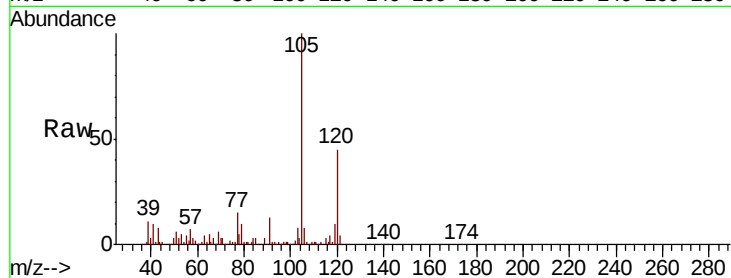
120 44.3 37.0 55.4

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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

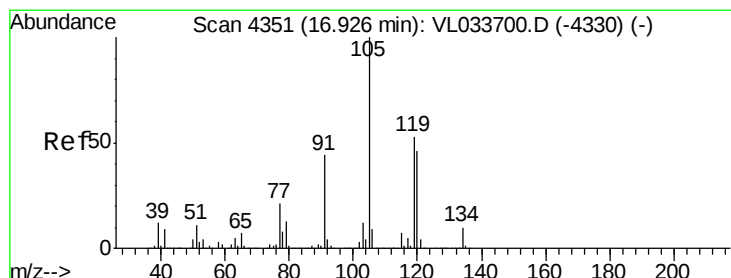
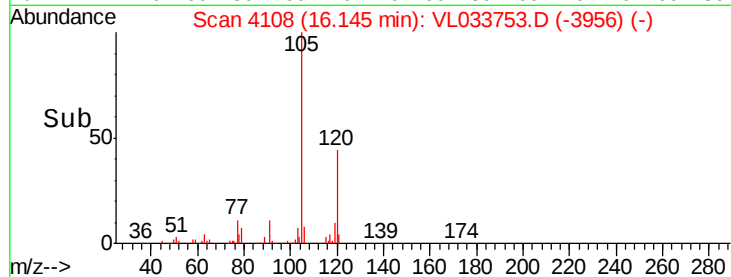
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.947 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL033753.D

Acq: 22 May 2019 20:47

Tgt Ion:105 Resp: 1130205

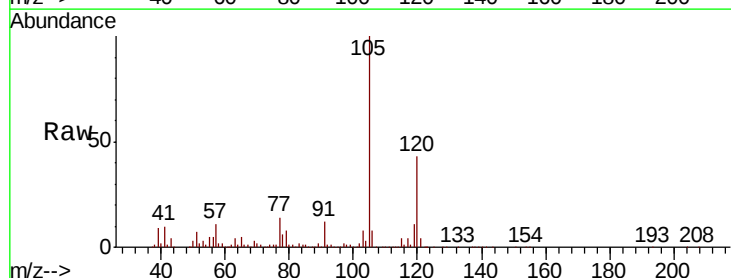
Ion Ratio Lower Upper

105 100

120 42.7 36.8 55.2

91 11.5 35.4 53.0#

77 13.6 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): VLO

Ion 77.10 (76.80 to 77.80): VLO

16.91

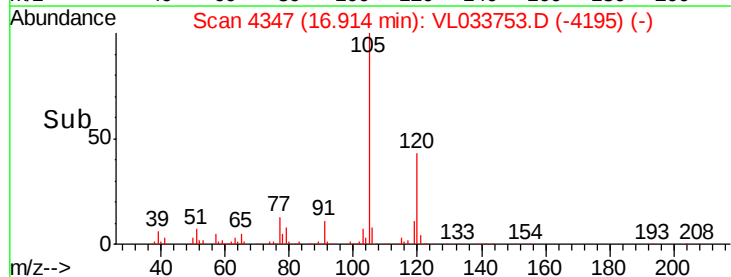
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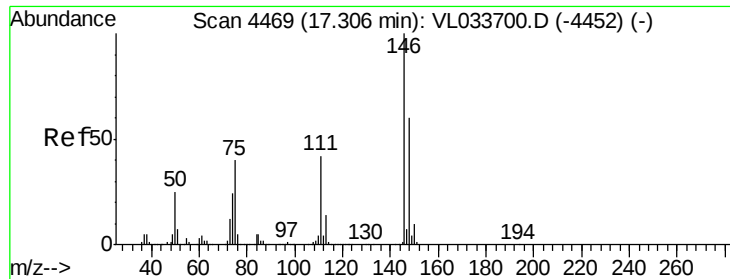
400000

200000

0

Time-->





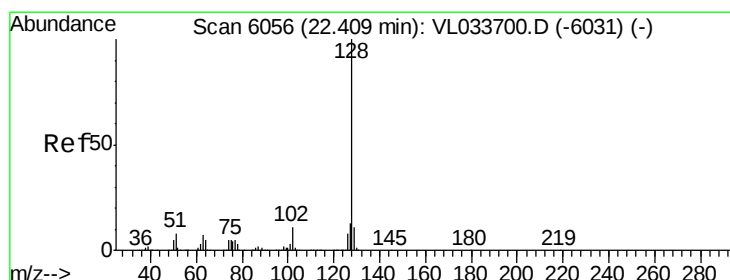
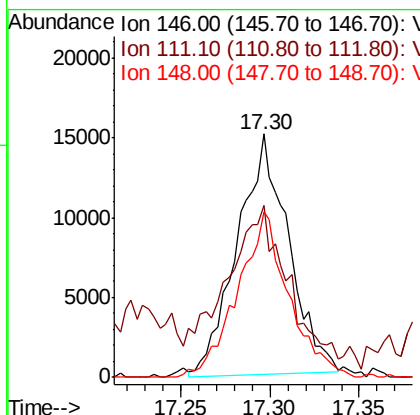
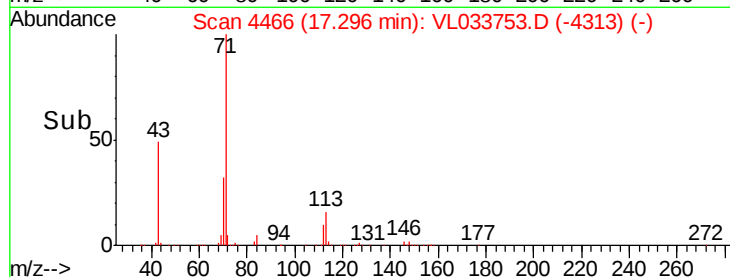
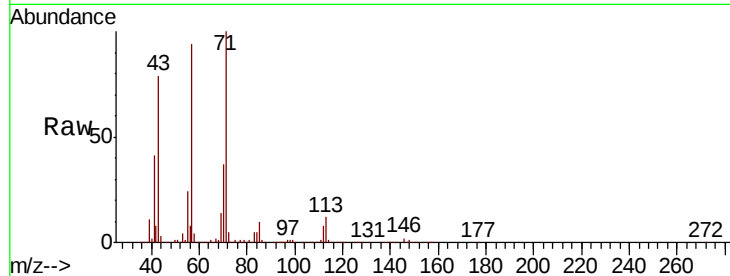
#76
1,4-Dichlorobenzene
Concen: 0.135 ppbv
RT: 17.30 min Scan# 4466
Delta R.T. -0.01 min
Lab File: VL033753.D
Acq: 22 May 2019 20:47

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55

Tot Ion	Ratio	Lower	Upper
146	100		
111	83.5	21.9	65.8#
148	68.9	32.1	96.3

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#79
Naphthalene
Concen: 0.282 ppbv m
RT: 22.40 min Scan# 6052
Delta R.T. -0.01 min
Lab File: VL033753.D
Acq: 22 May 2019 20:47

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.9	13.3

