

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003524.D
 Acq On : 24 Jun 2018 21:06
 Operator : SY/AP
 Sample : J3669-26
 Misc : 6.34G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-0479-180620

Manual Integrations
 APPROVED

apatel
 6/26/2018 4:14:53 PM

Quant Time: Jun 25 01:40:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	176449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	302273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	131664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	110559	57.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.70%	
35) Dibromofluoromethane	7.88	113	96525	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.33	98	349183	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
62) 4-Bromofluorobenzene	12.62	95	133403	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.36	62	1228349	625.17	ug/l	99
12) 1,1-Dichloroethene	4.03	96	134316	84.09	ug/l	97
16) Acetone	4.15	43	58400	145.69	ug/l	100
17) Carbon Disulfide	4.37	76	13754	2.91	ug/l	99
20) Methylene Chloride	4.91	84	23017	10.63	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	34034	19.58	ug/l	99
27) cis-1,2-Dichloroethene	7.15	96	28757109m	15058.78	ug/l	
30) Chloroform	7.68	83	20327	6.04	ug/l	97
31) Cyclohexane	7.95	56	33422	10.82	ug/l #	92
39) Methylcyclohexane	9.34	83	59445	17.60	ug/l	96
40) Benzene	8.33	78	104323	12.96	ug/l	100
44) Trichloroethene	9.09	130	24073571m	11290.77	ug/l	
52) Toluene	10.39	92	40076	7.77	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	20247	13.70	ug/l	92
64) Tetrachloroethene	10.87	164	8969	5.01	ug/l	99
65) Chlorobenzene	11.66	112	147825	26.53	ug/l	99
67) Ethyl Benzene	11.74	91	23753	2.40	ug/l	99
68) m/p-Xylenes	11.85	106	7106	1.89	ug/l	100
73) Isopropylbenzene	12.47	105	24798	2.71	ug/l	98
78) n-propylbenzene	12.81	91	15920	1.42	ug/l	100
83) tert-Butylbenzene	13.21	119	22820	3.48	ug/l	97
85) sec-Butylbenzene	13.39	105	58134	5.97	ug/l #	61
87) 1,3-Dichlorobenzene	13.51	146	44003	10.04	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	88101	20.23	ug/l	97
89) n-Butylbenzene	13.83	91	20734	2.48	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	225376	58.72	ug/l	99
95) Naphthalene	15.38	128	9394	2.06	ug/l #	91

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

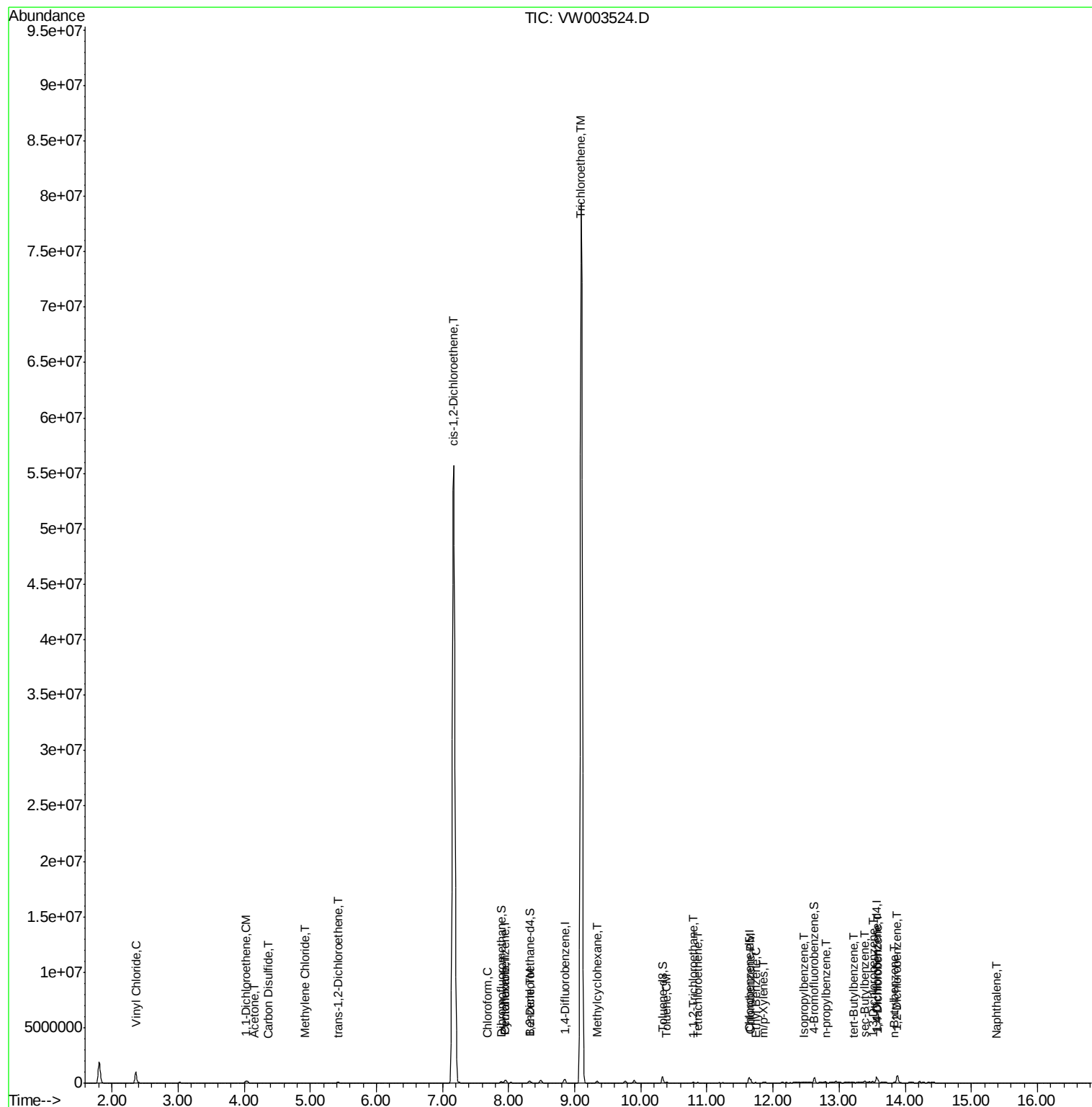
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062418\
Data File : VW003524.D
Acq On : 24 Jun 2018 21:06
Operator : SY/AP
Sample : J3669-26
Misc : 6.34G/5ML/MSVOA W/SOIL
ALS Vial : 24 Sample Multiplier: 1

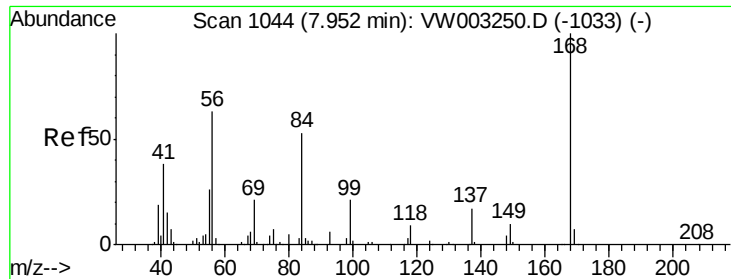
Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

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Quant Time: Jun 25 01:40:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003524.D

Acq: 24 Jun 2018 21:06

Instrument :

MSVOA_W

ClientSampleId :

DUP-0479-180620

Tot Ion:168 Resp: 176449

Ion Ratio Lower Upper

168 100

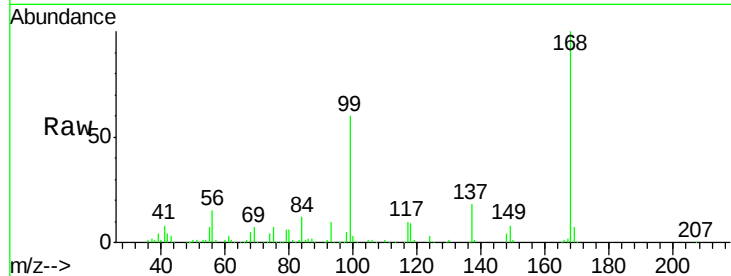
99 60.2 45.5 68.3

Manual Integrations

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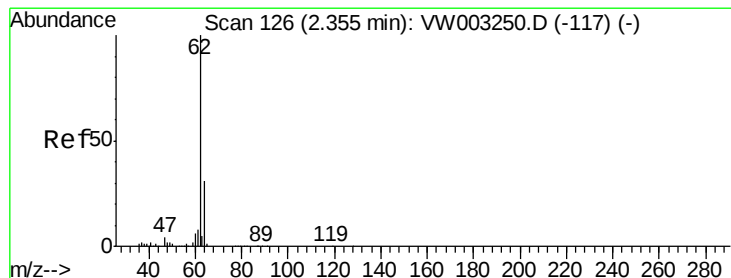
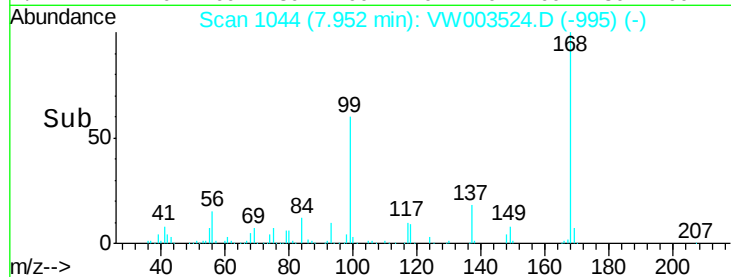
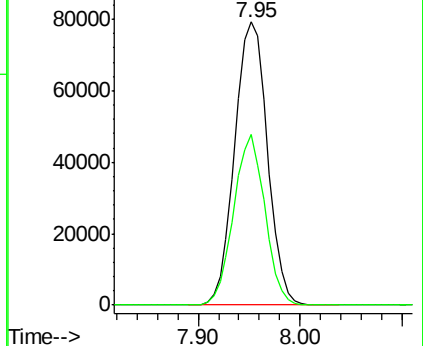
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 625.17 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003524.D

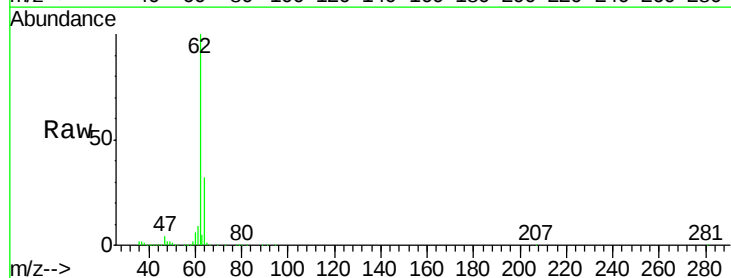
Acq: 24 Jun 2018 21:06

Tgt Ion: 62 Resp: 1228349

Ion Ratio Lower Upper

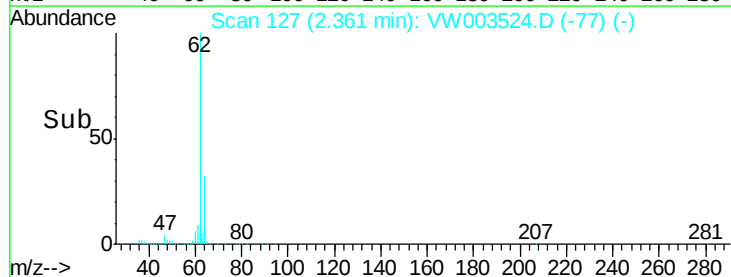
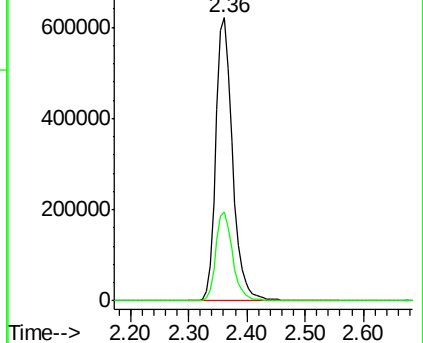
62 100

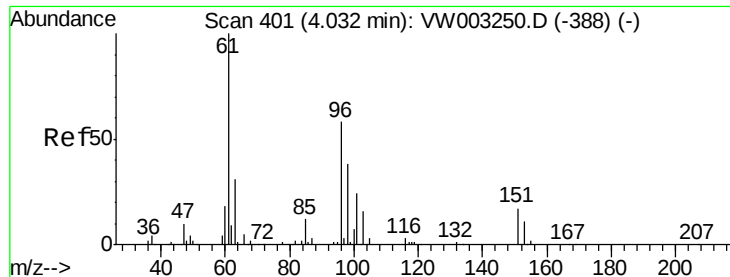
64 31.6 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#12

1,1-Dichloroethene

Concen: 84.09 ug/l

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW003524.D

Acq: 24 Jun 2018 21:06

Instrument :

MSVOA_W

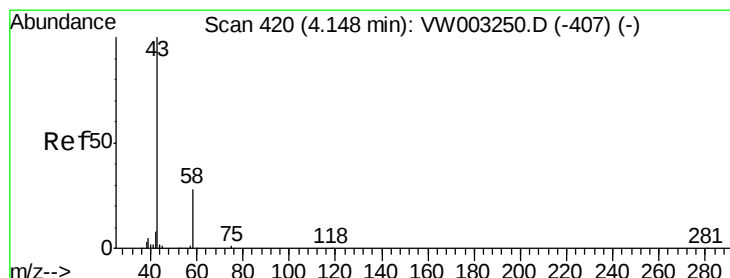
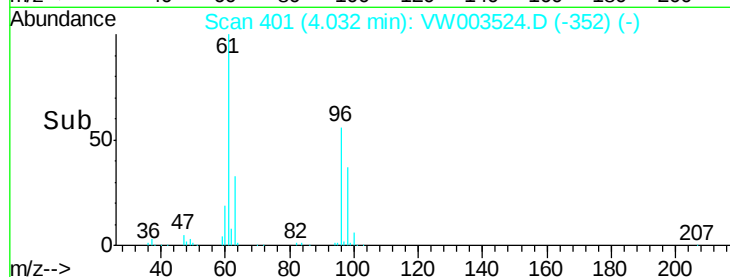
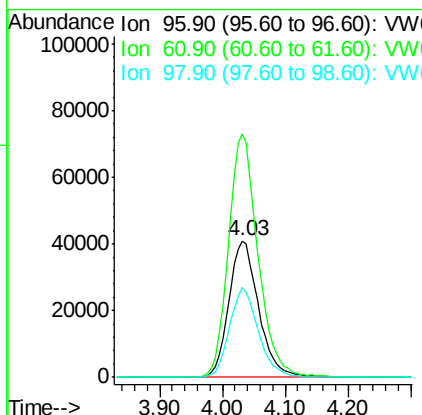
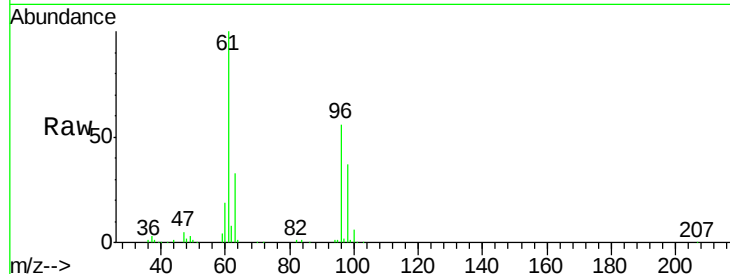
ClientSampleId :

DUP-0479-180620

Tot Ion:	96	Resp:	134316
Ion	Ratio	Lower	Upper
96	100		
61	178.7	139.0	208.4
98	66.1	53.3	79.9

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#16

Acetone

Concen: 145.69 ug/l

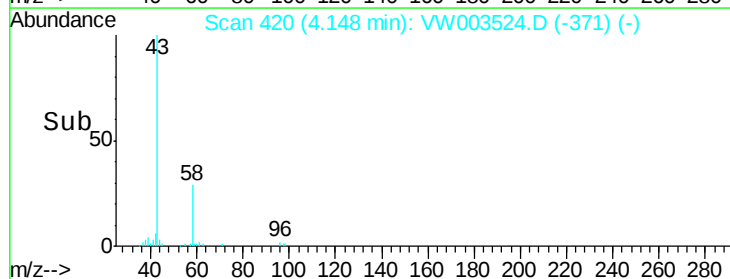
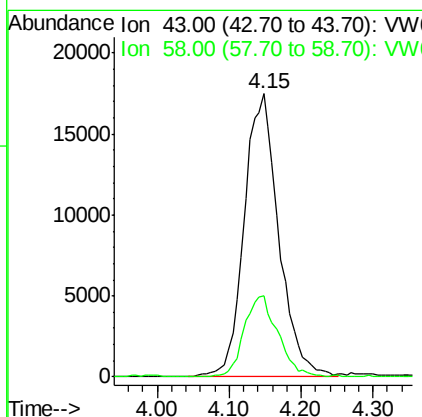
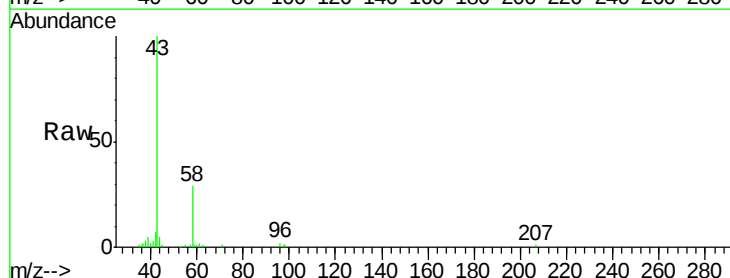
RT: 4.15 min Scan# 420

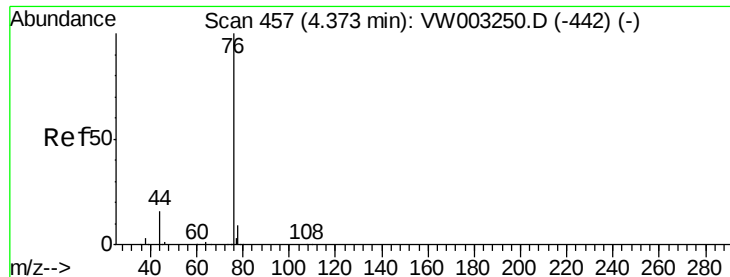
Delta R.T. 0.00 min

Lab File: VW003524.D

Acq: 24 Jun 2018 21:06

Tgt Ion:	43	Resp:	58400
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.6	34.0





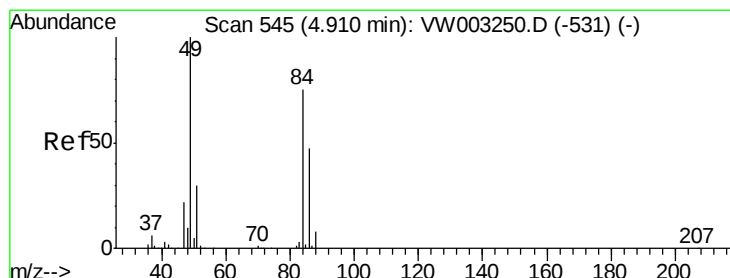
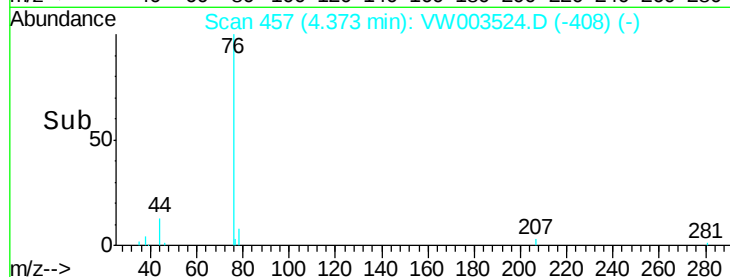
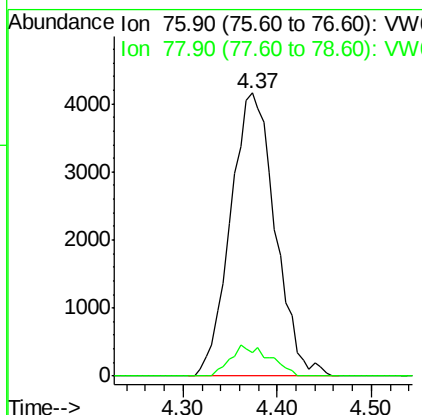
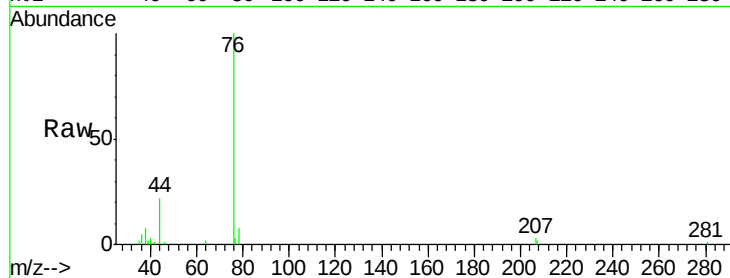
#17
Carbon Disulfide
Concen: 2.91 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

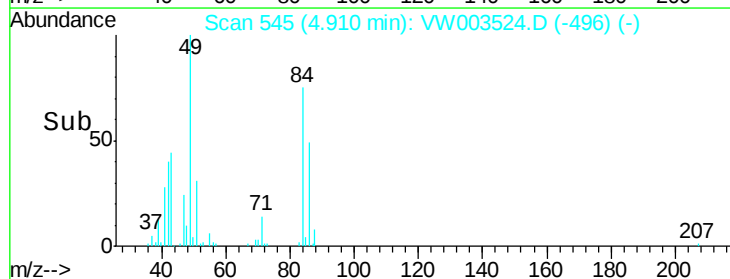
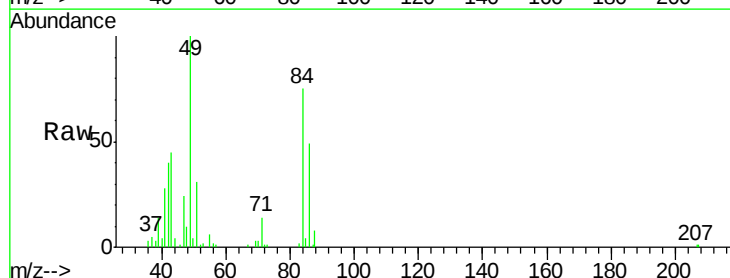
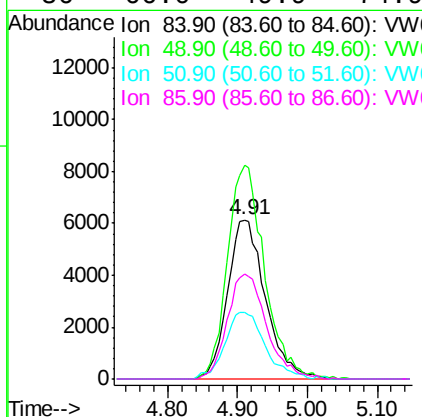
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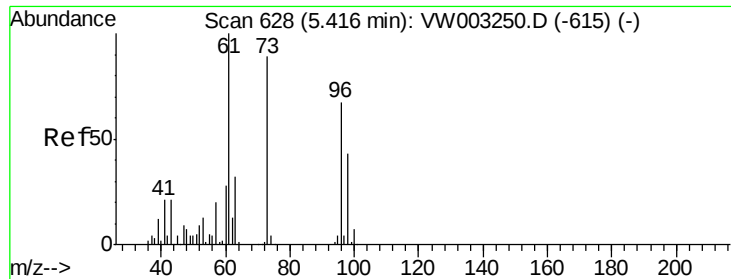
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#20
Methylene Chloride
Concen: 10.63 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.2	106.3	159.5
51	41.5	32.0	48.0
86	66.0	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.58 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003524.D

Acq: 24 Jun 2018 21:06

Instrument :

MSVOA_W

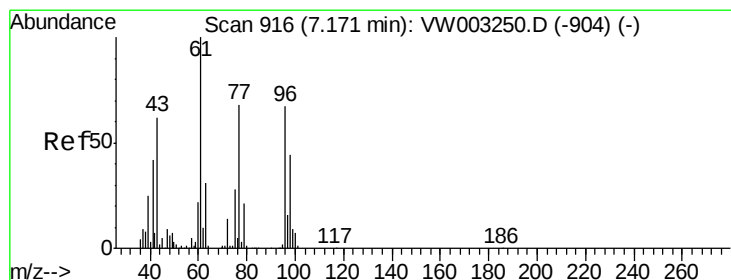
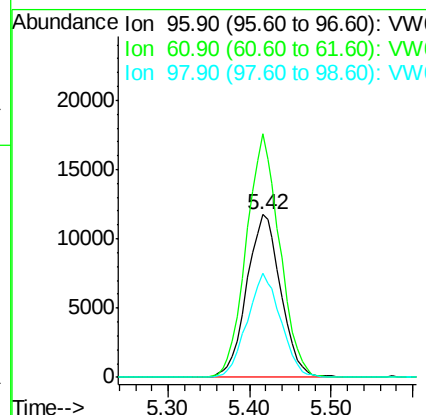
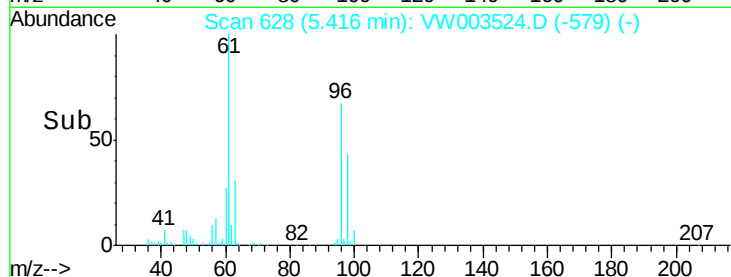
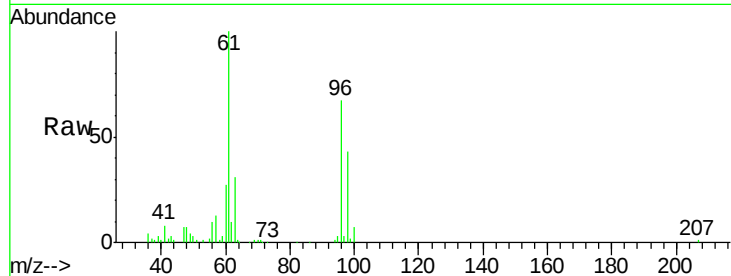
ClientSampleId :

DUP-0479-180620

Tot Ion:	96	Resp:	34034
Ion	Ratio	Lower	Upper
96	100		
61	149.5	118.7	178.1
98	63.7	51.0	76.6

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#27

cis-1,2-Dichloroethene

Concen: 15058.78 ug/l m

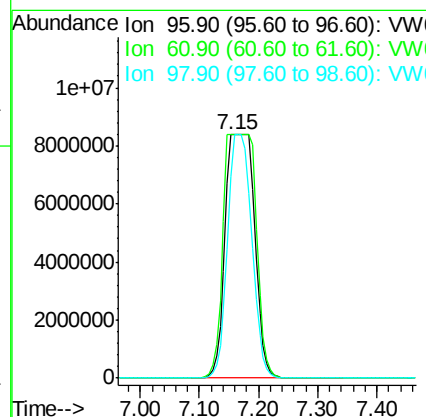
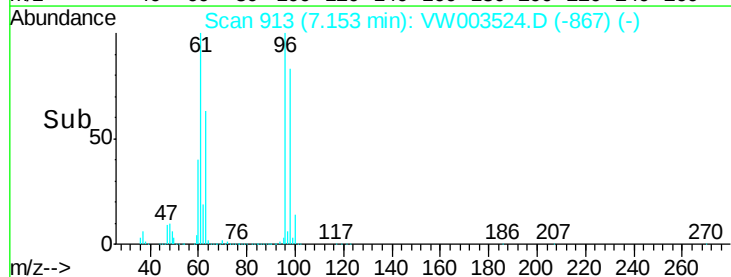
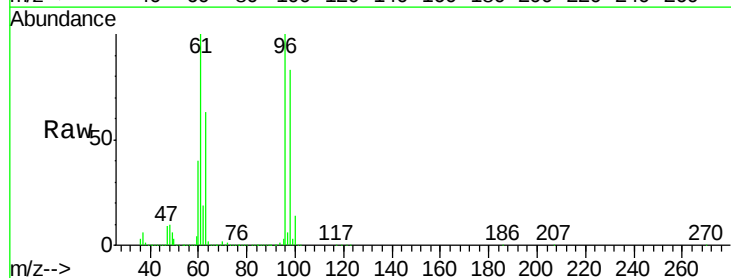
RT: 7.15 min Scan# 913

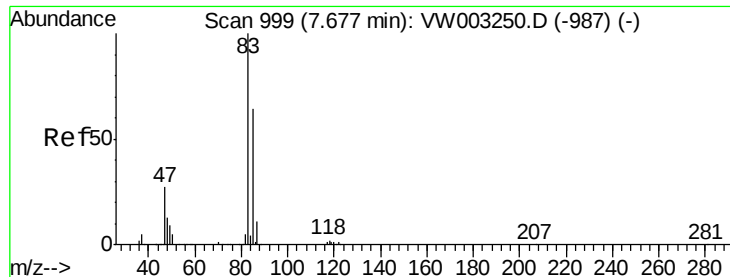
Delta R.T. -0.02 min

Lab File: VW003524.D

Acq: 24 Jun 2018 21:06

Tgt Ion:	96	Resp:	28757109
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	298.8
98	0.0	0.0	130.4





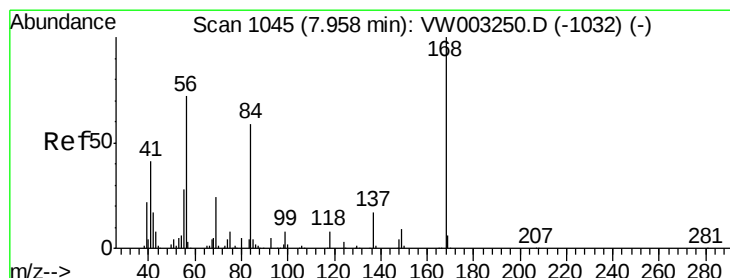
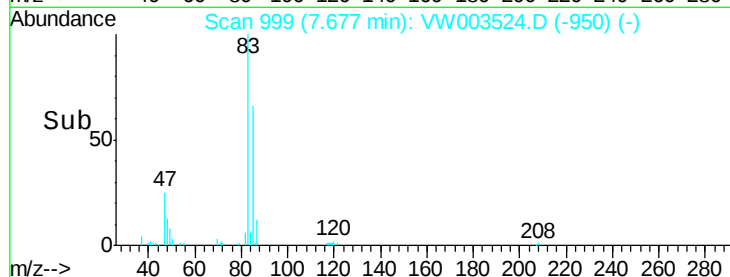
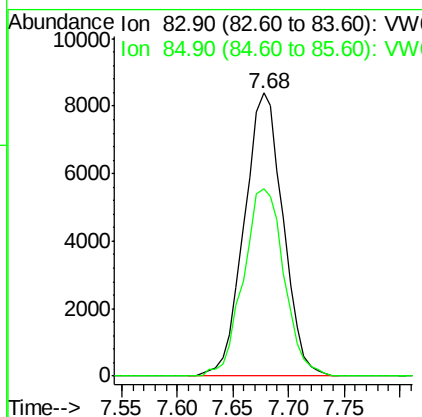
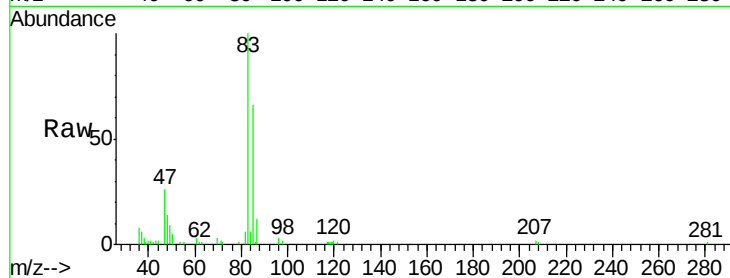
#30
Chloroform
Concen: 6.04 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

Tot Ion	83	Resp	20327
Ion Ratio	100	Lower	Upper
83	100		
85	66.4	51.3	76.9

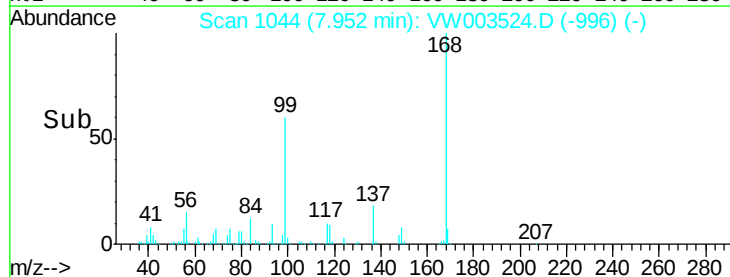
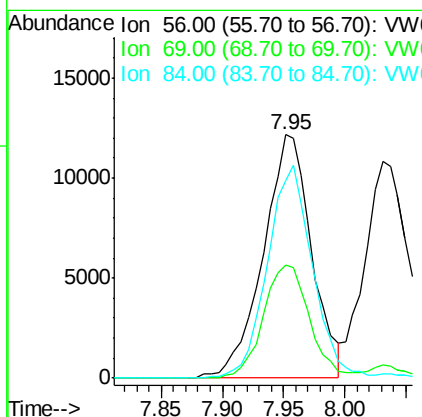
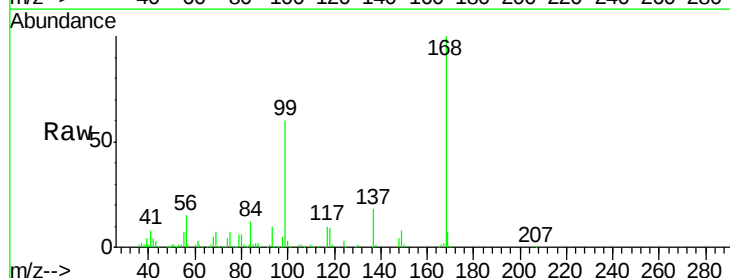
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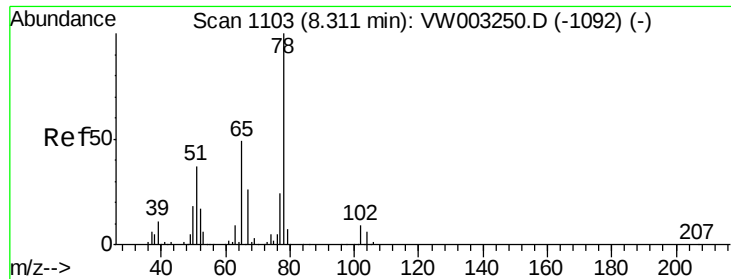
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#31
Cyclohexane
Concen: 10.82 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Tgt Ion	56	Resp	33422
Ion Ratio	100	Lower	Upper
56	100		
69	46.7	26.3	39.5#
84	81.3	65.7	98.5





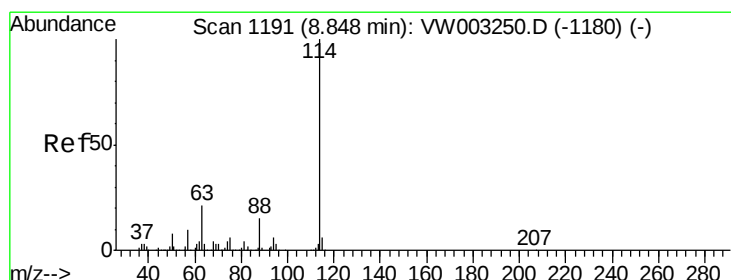
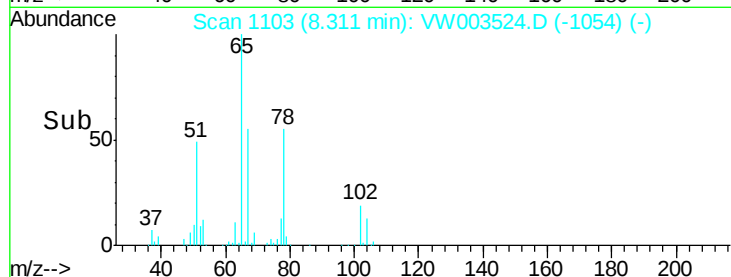
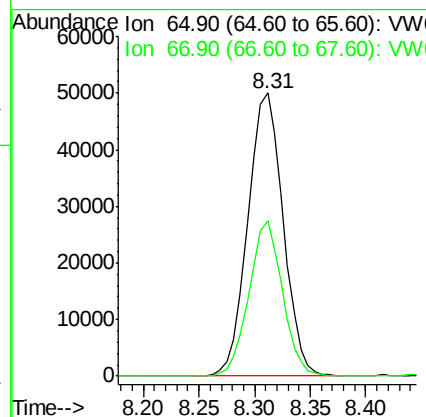
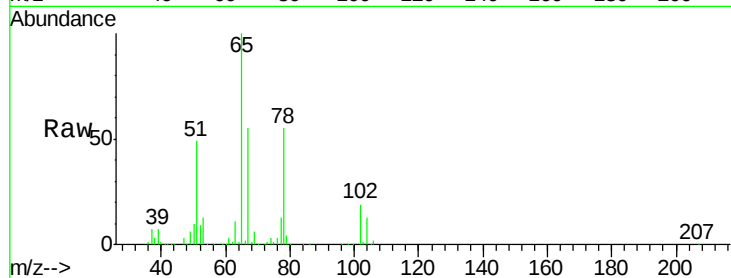
#33
 1,2-Dichloroethane-d4
 Concen: 57.85 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003524.D
 Acq: 24 Jun 2018 21:06

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-0479-180620

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.2	

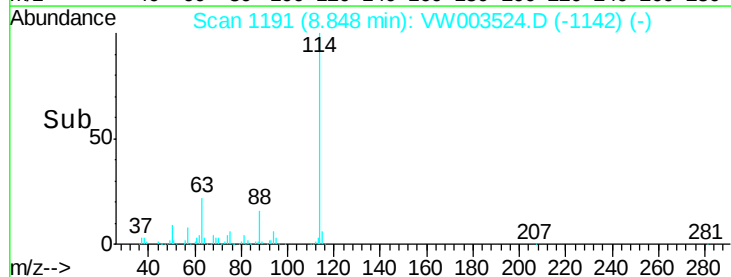
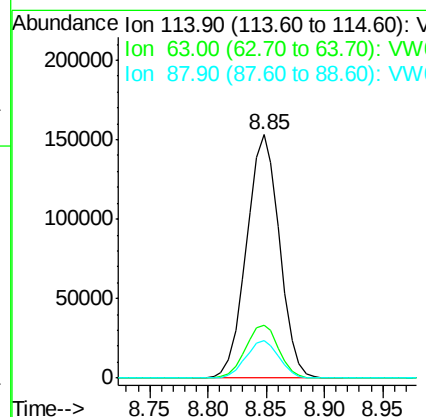
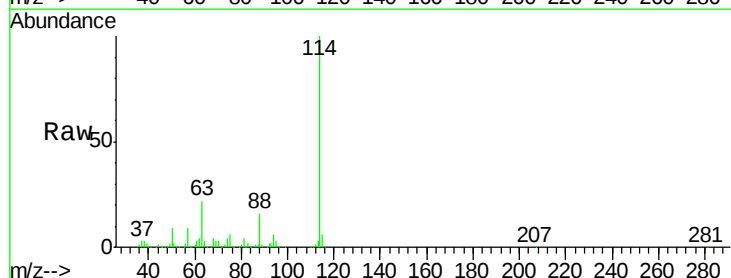
Manual Integrations
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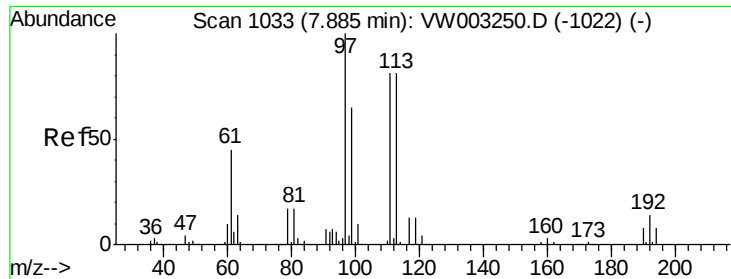
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003524.D
 Acq: 24 Jun 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.6	0.0	43.0	
88	15.5	0.0	29.6	





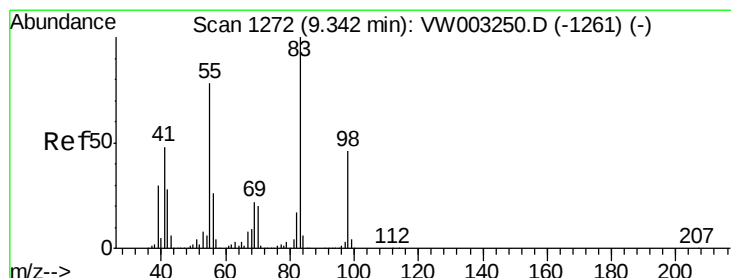
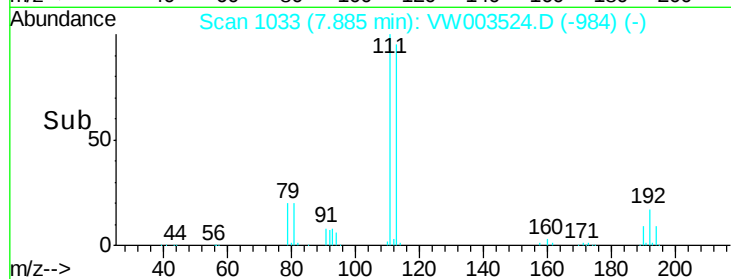
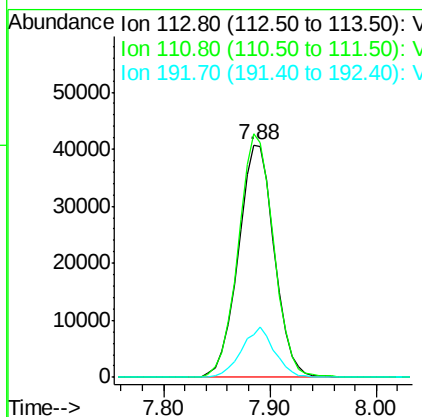
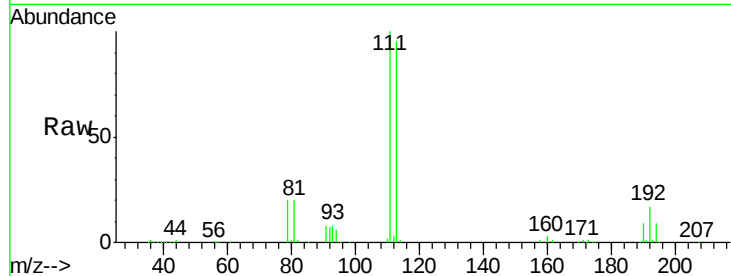
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Dibromofluoromethane
Concen: 51.39 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

Tot Ion	Ratio	Resp	Lower	Upper
113	100	96525		
111	102.9	82.2	123.2	
192	19.8	16.2	24.2	

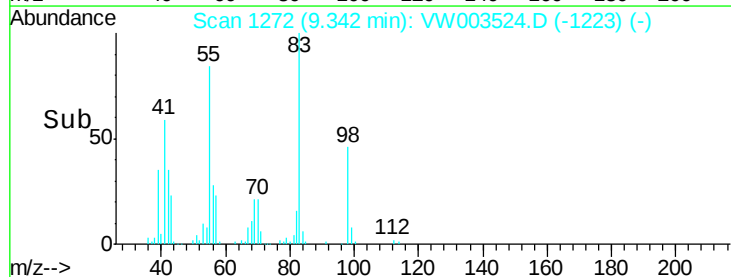
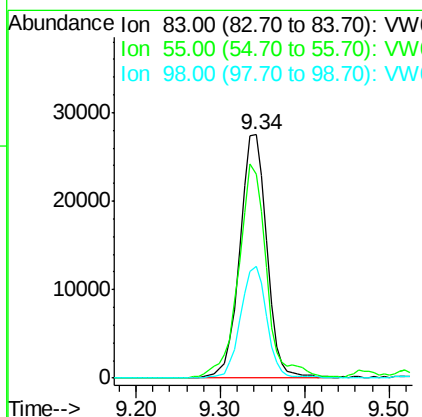
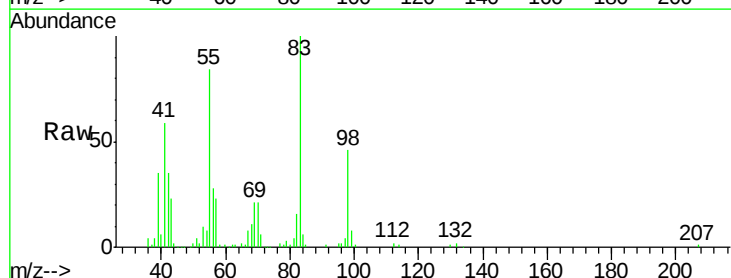
Manual Integrations
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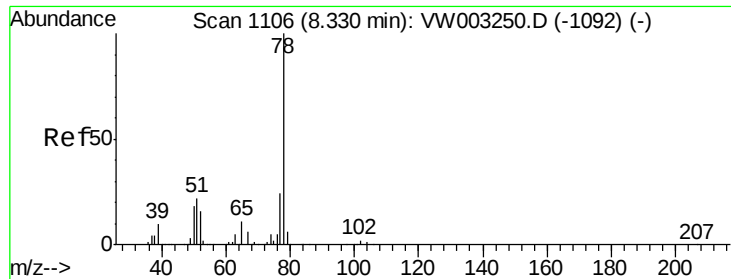
apatel
6/26/2018 4:14:53 PM



#39
Methylcyclohexane
Concen: 17.60 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	59445		
55	83.5	62.6	93.8	
98	46.1	37.0	55.4	





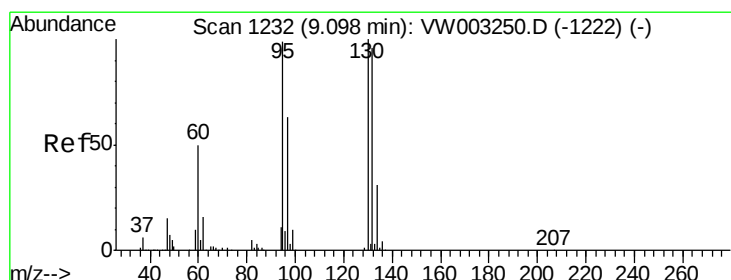
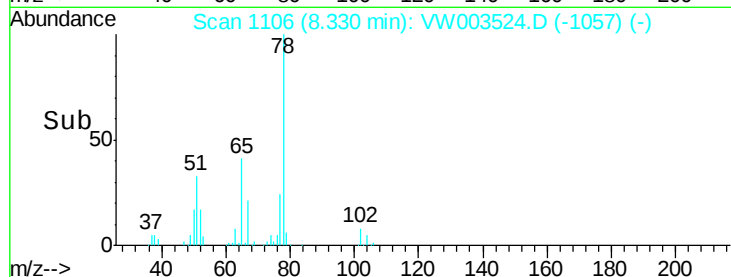
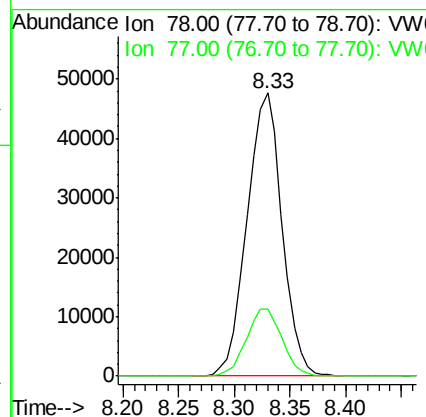
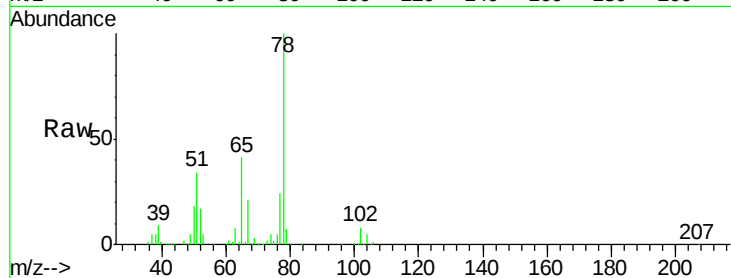
#40
Benzene
Concen: 12.96 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

Tot Ion: 78 Resp: 104323
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

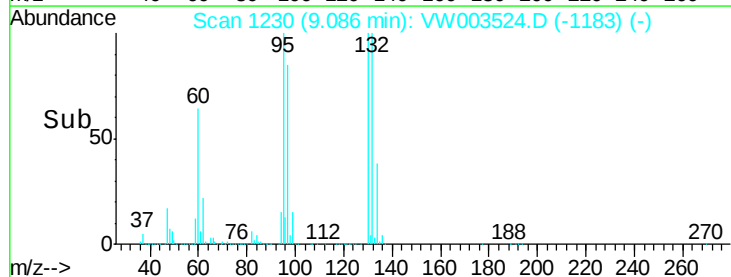
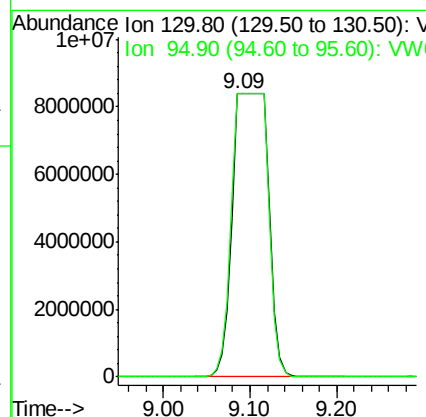
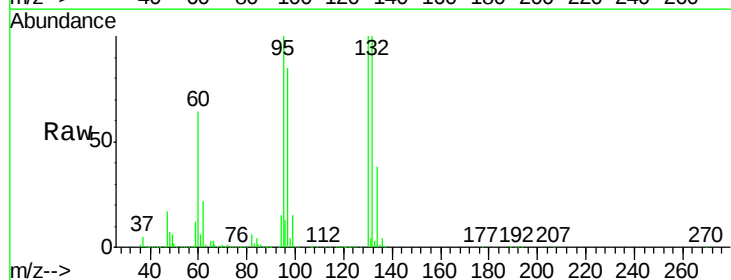
Manual Integrations
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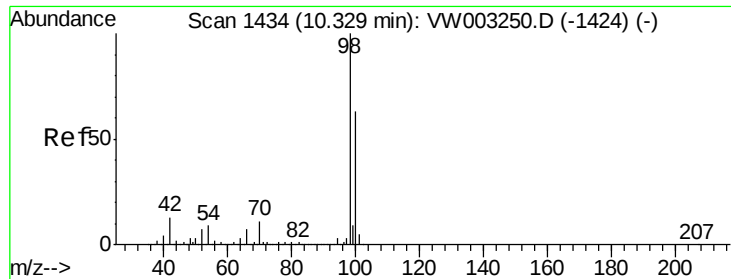
apatel
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#44
Trichloroethene
Concen: 11290.77 ug/l m
RT: 9.09 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Tgt Ion:130 Resp:24073571
Ion Ratio Lower Upper
130 100
95 100.0 0.0 198.0





#50

Toluene-d8

Concen: 46.89 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003524.D

Acq: 24 Jun 2018 21:06

Instrument :

MSVOA_W

ClientSampleId :

DUP-0479-180620

Tot Ion: 98 Resp: 349183

Ion Ratio Lower Upper

98 100

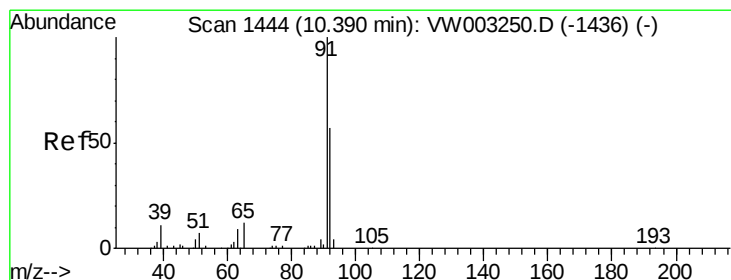
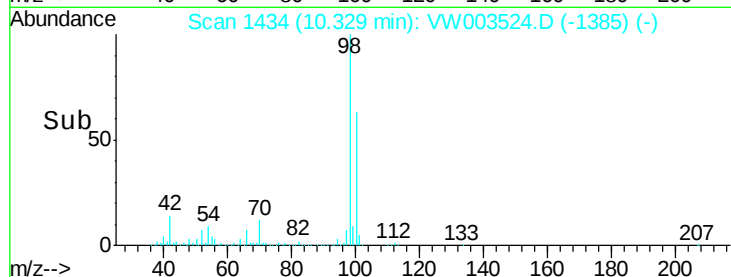
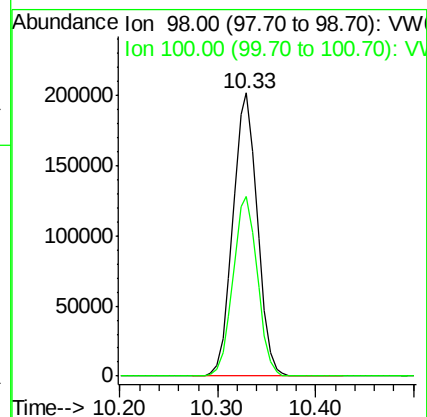
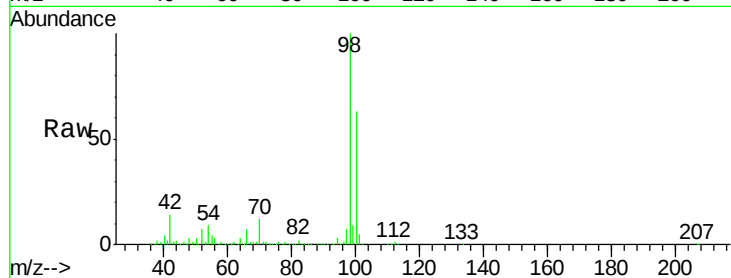
100 63.1 50.8 76.2

Manual Integrations

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#52

Toluene

Concen: 7.77 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003524.D

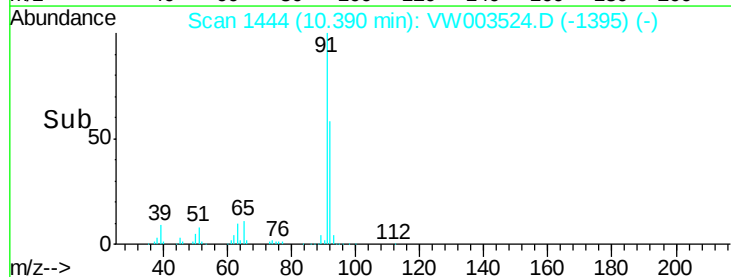
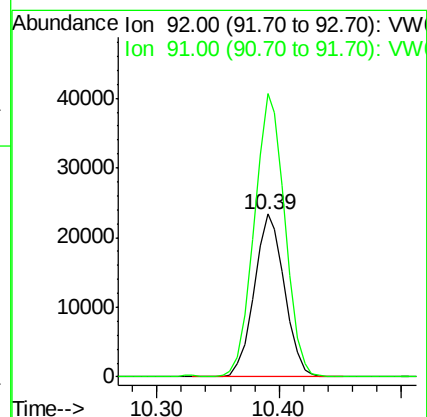
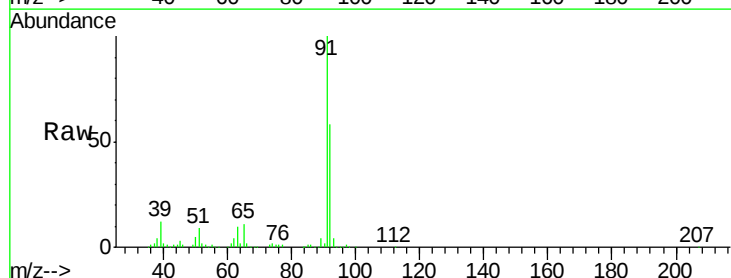
Acq: 24 Jun 2018 21:06

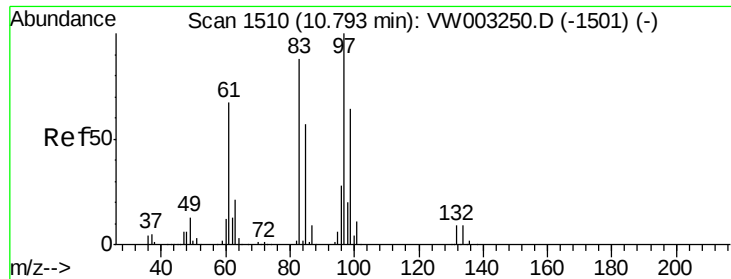
Tgt Ion: 92 Resp: 40076

Ion Ratio Lower Upper

92 100

91 176.5 141.1 211.7





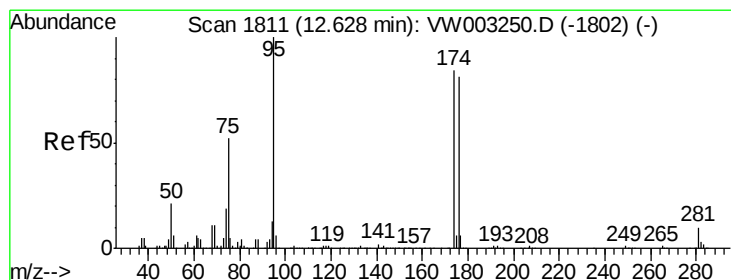
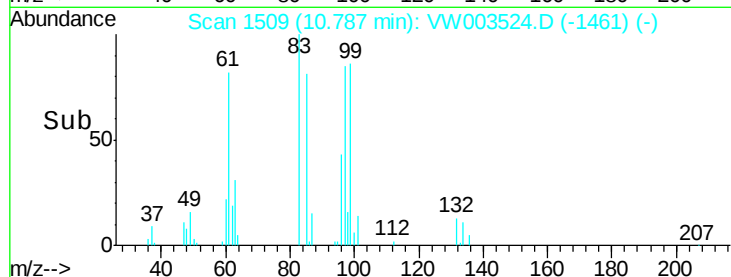
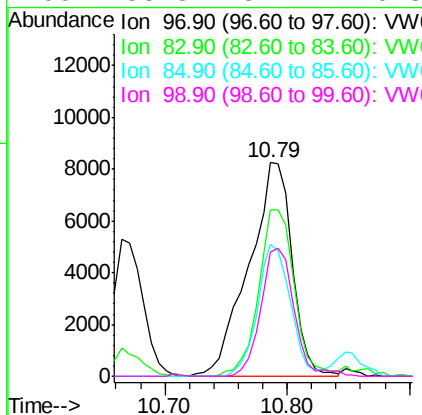
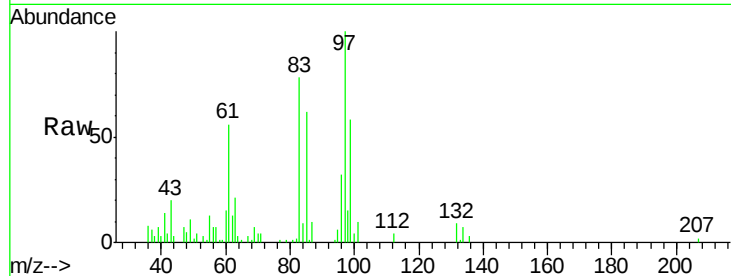
#55
 1,1,2-Trichloroethane
 Concen: 13.70 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW003524.D
 Acq: 24 Jun 2018 21:06

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-0479-180620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		20247		
83	77.8		70.2	105.2	
85	61.7		45.6	68.4	
99	58.3		51.2	76.8	

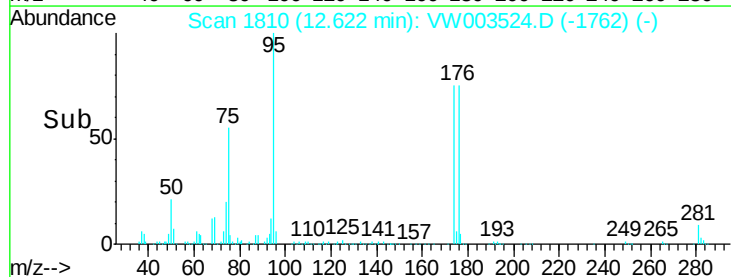
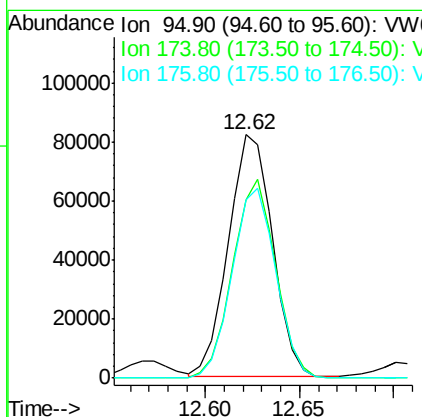
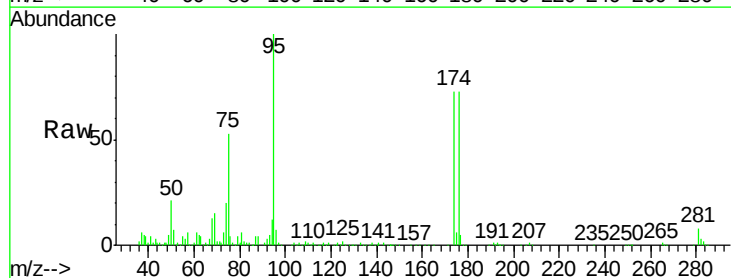
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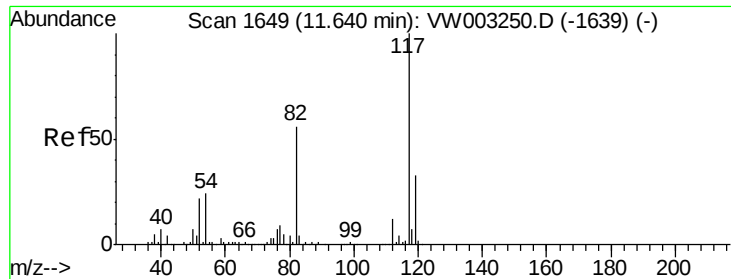
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#62
 4-Bromofluorobenzene
 Concen: 50.61 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003524.D
 Acq: 24 Jun 2018 21:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		133403		
174	80.2		0.0	166.4	
176	77.6		0.0	162.0	





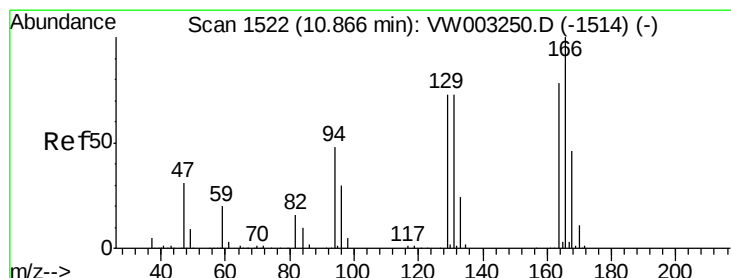
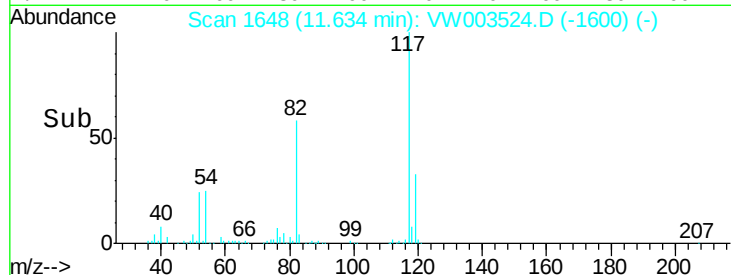
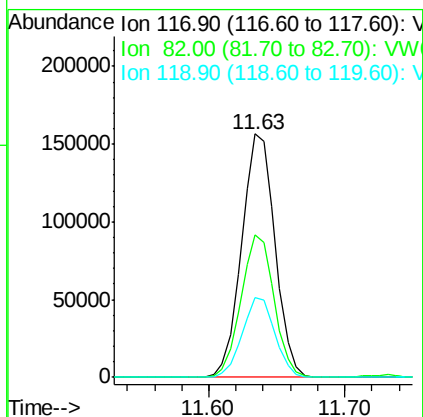
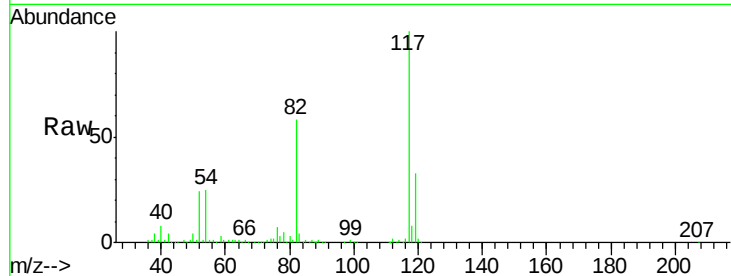
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

Tot Ion	Ratio	Resp	Lower	Upper
117	100	267617		
82	58.4		44.6	67.0
119	32.6		26.7	40.1

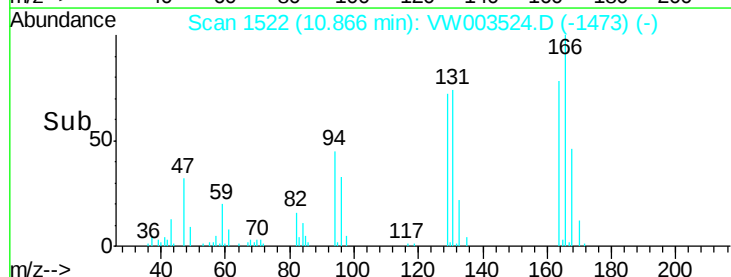
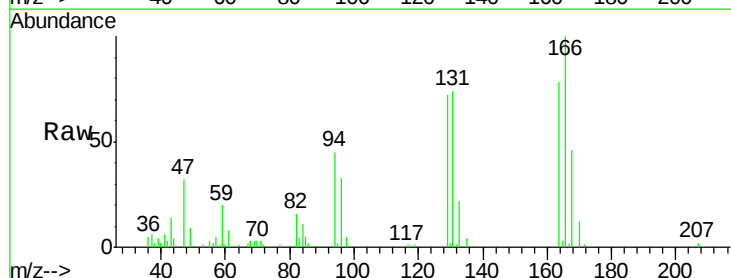
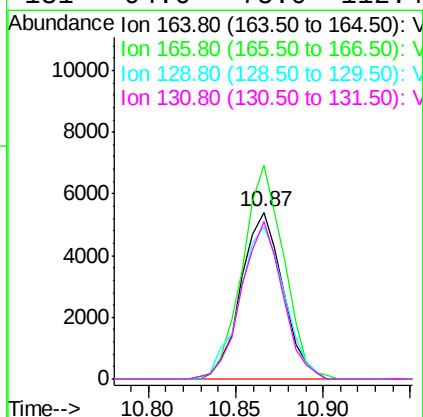
Manual Integrations
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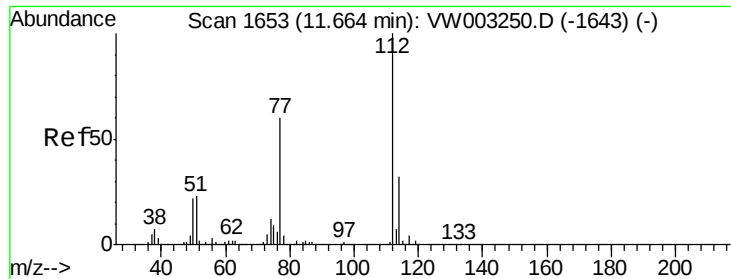
apatel
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#64
Tetrachloroethene
Concen: 5.01 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	8969		
166	127.9		102.6	154.0
129	91.5		75.2	112.8
131	94.6		75.0	112.4





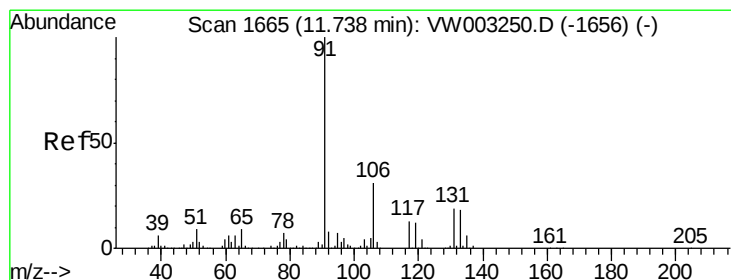
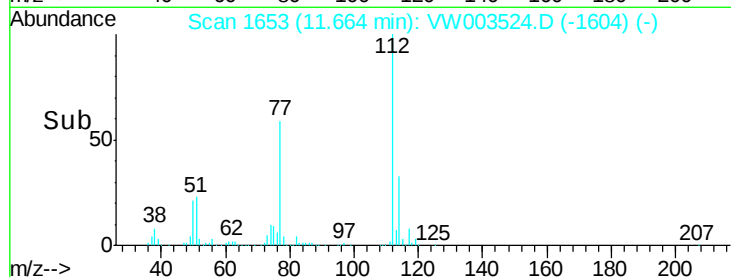
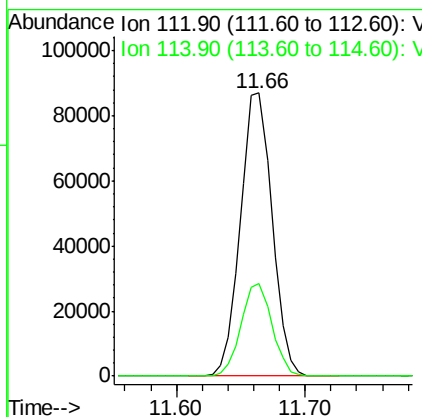
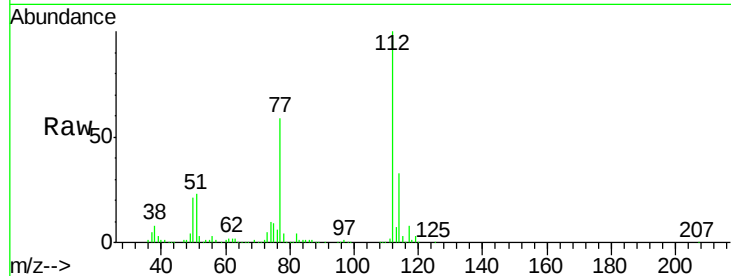
#65
Chlorobenzene
Concen: 26.53 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

Tot Ion:112 Resp: 147825
Ion Ratio Lower Upper
112 100
114 32.8 25.9 38.9

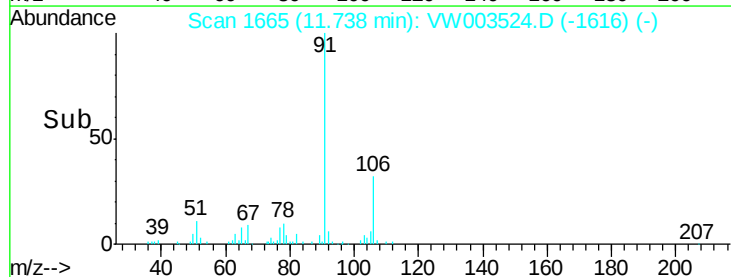
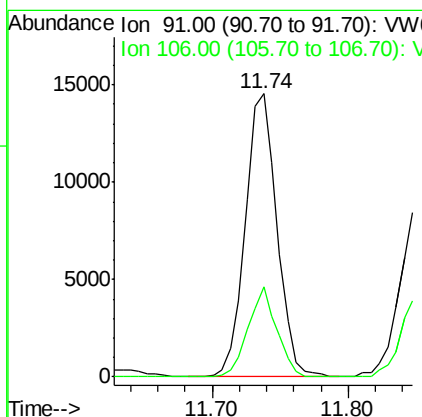
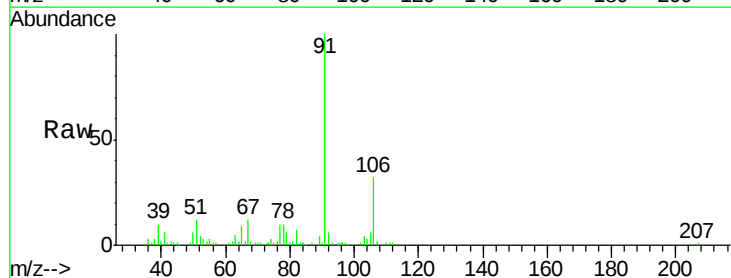
Manual Integrations
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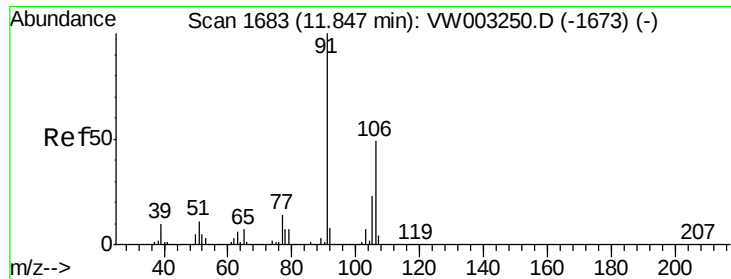
apatel
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#67
Ethyl Benzene
Concen: 2.40 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Tgt Ion: 91 Resp: 23753
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1





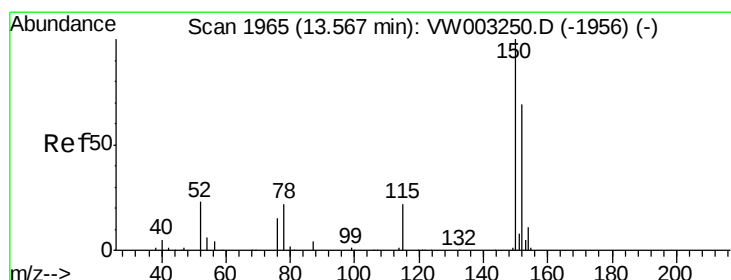
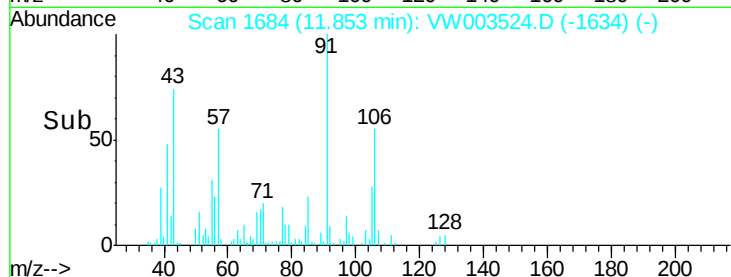
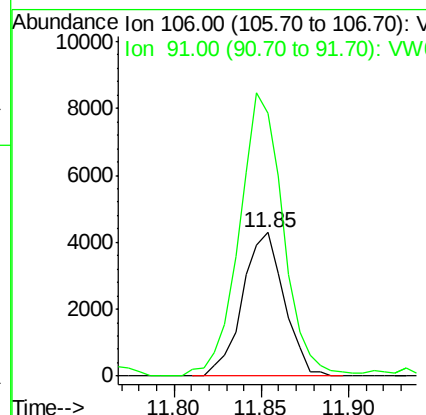
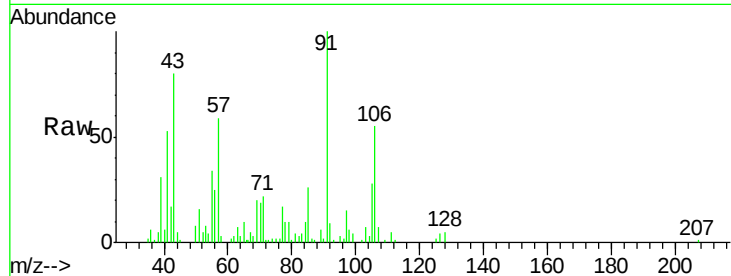
#68
m/p-Xvlenes
Concen: 1.89 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

Tot Ion:106 Resp: 7106
Ion Ratio Lower Upper
106 100
91 207.4 165.4 248.0

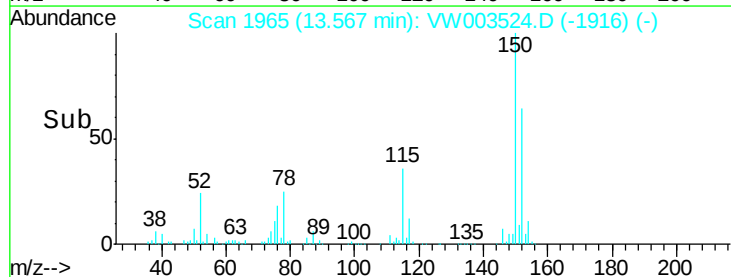
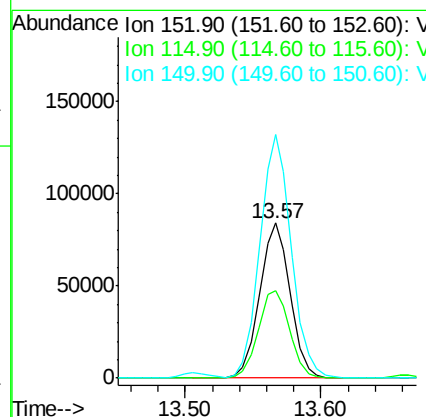
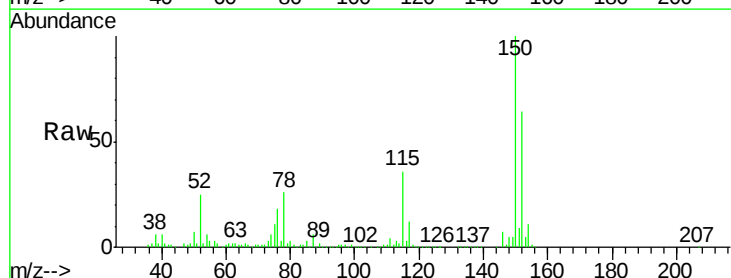
Manual Integrations
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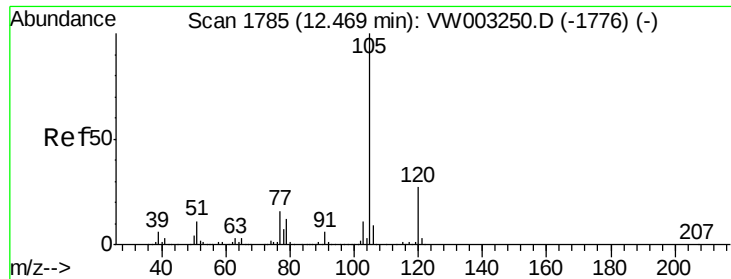
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Tgt Ion:152 Resp: 131664
Ion Ratio Lower Upper
152 100
115 58.4 29.3 88.0
150 162.1 0.0 349.6





#73

Isopropylbenzene

Concen: 2.71 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003524.D

Acq: 24 Jun 2018 21:06

Instrument :

MSVOA_W

ClientSampleId :

DUP-0479-180620

Tot Ion: 105 Resp: 24798

Ion Ratio Lower Upper

105 100

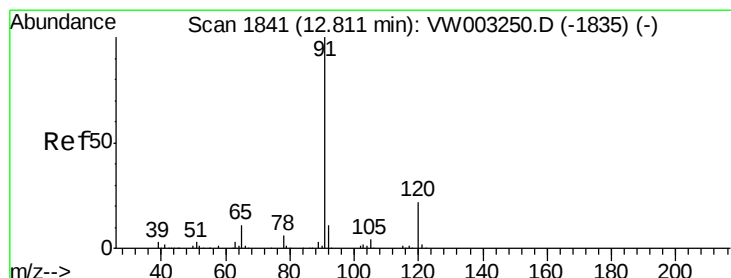
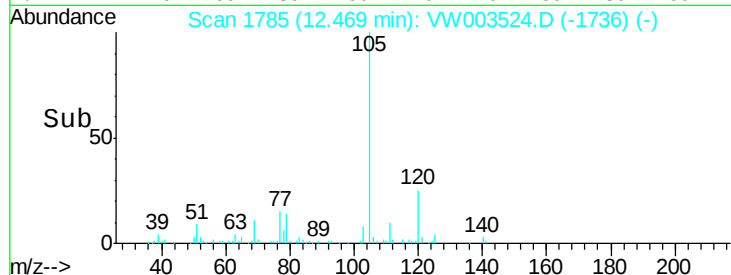
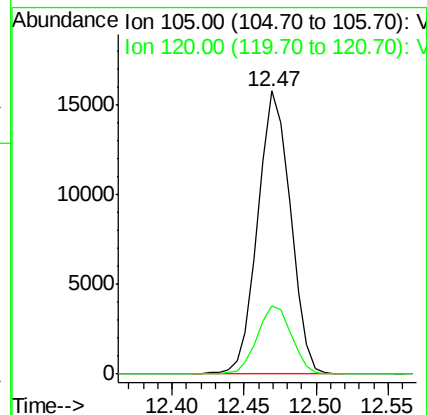
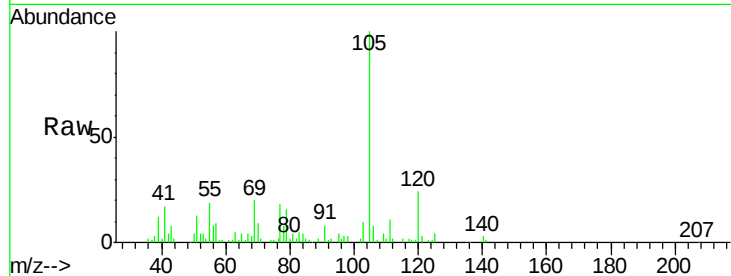
120 25.2 13.2 39.6

Manual Integrations

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#78

n-propylbenzene

Concen: 1.42 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003524.D

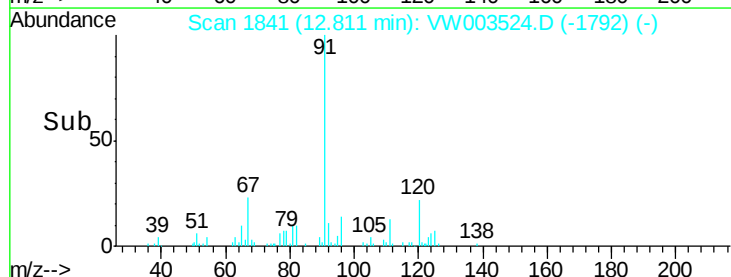
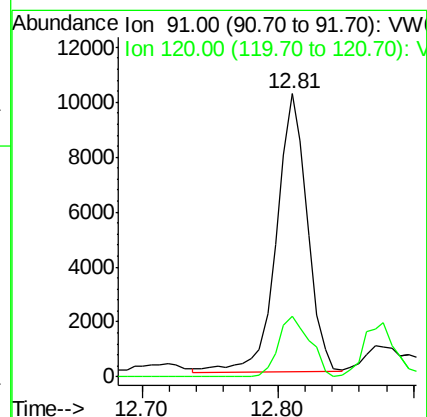
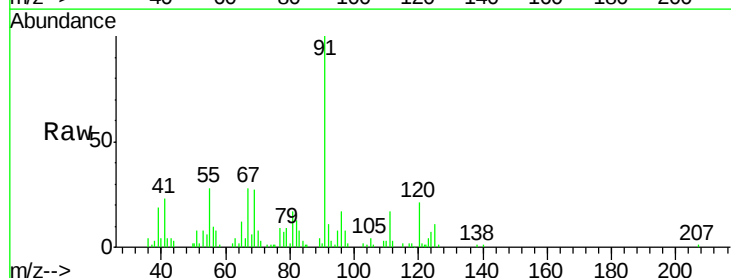
Acq: 24 Jun 2018 21:06

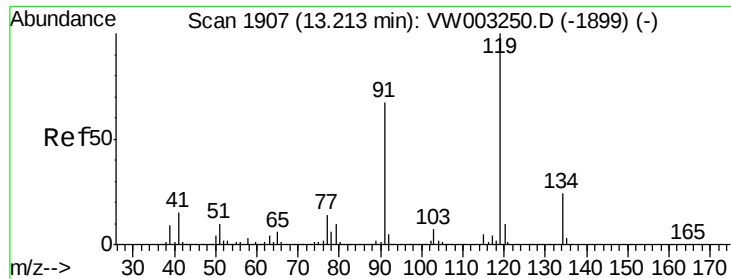
Tgt Ion: 91 Resp: 15920

Ion Ratio Lower Upper

91 100

120 22.4 11.3 33.8





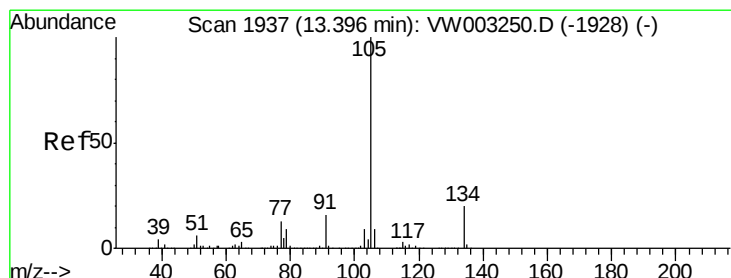
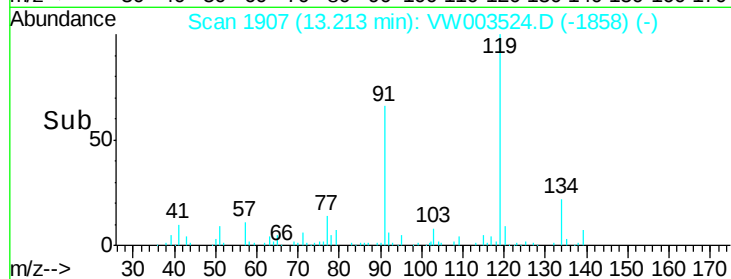
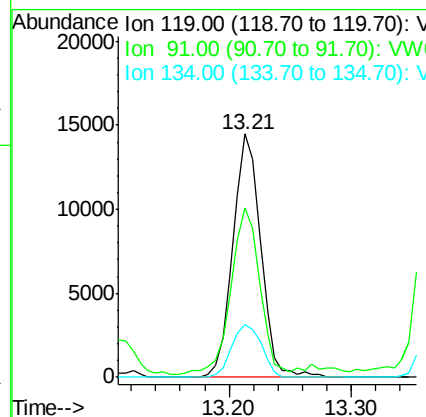
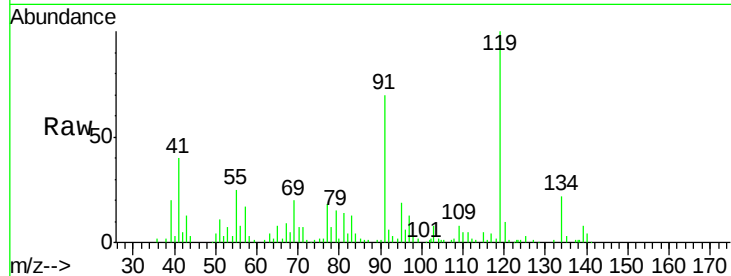
#83
tert-Butylbenzene
Concen: 3.48 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.6	33.9	101.7
134	23.2	13.4	40.1

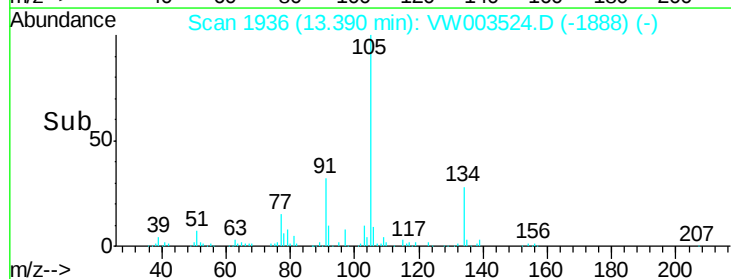
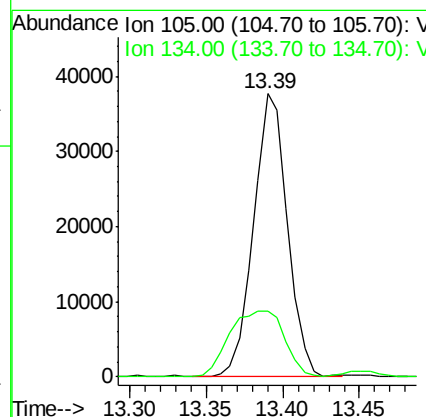
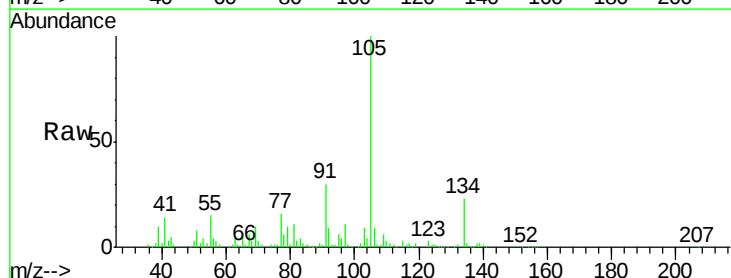
Manual Integrations
APPROVED

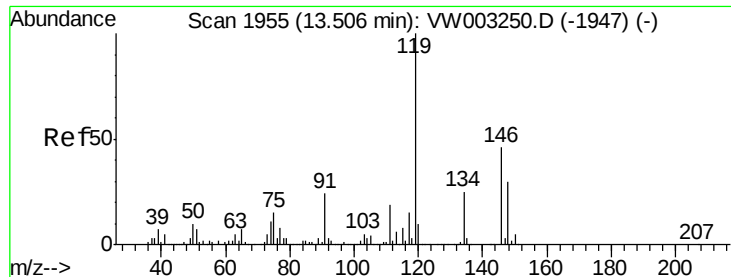
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#85
sec-Butylbenzene
Concen: 5.97 ug/l
RT: 13.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Tgt Ion	Ratio	Lower	Upper
105	100		
134	37.7	9.8	29.5#





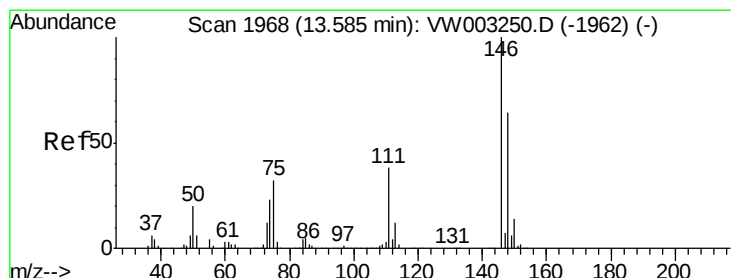
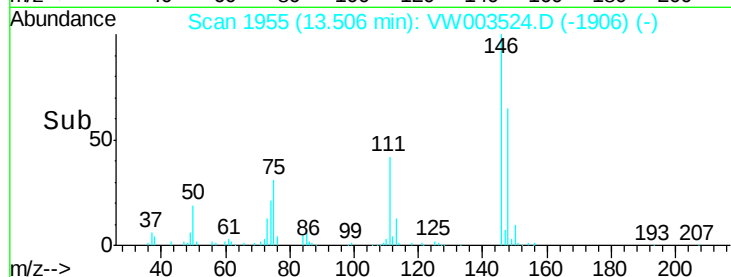
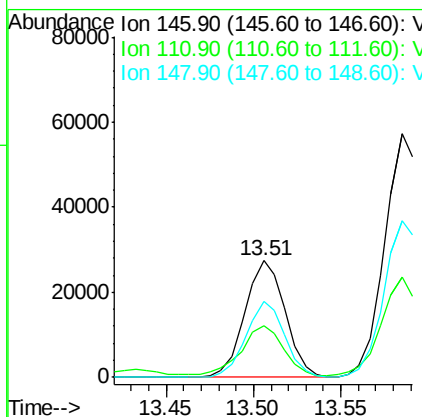
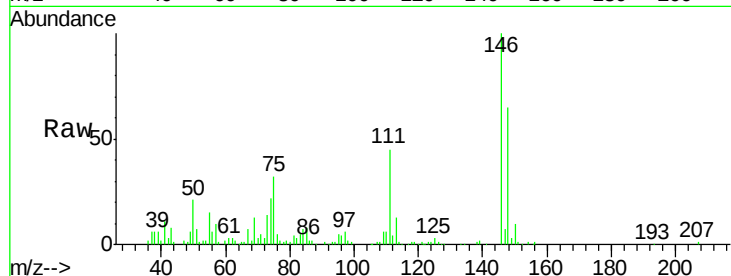
#87
 1,3-Dichlorobenzene
 Concen: 10.04 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003524.D
 Acq: 24 Jun 2018 21:06

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-0479-180620

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	19.8	59.4
148	63.2	32.1	96.5

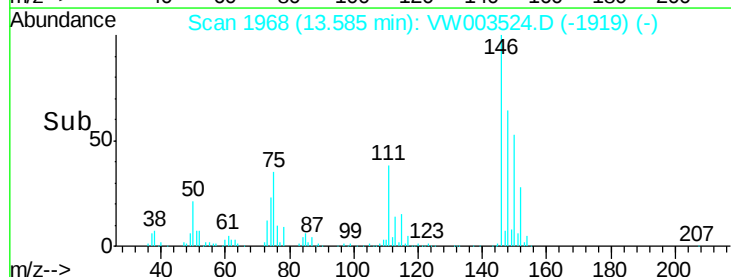
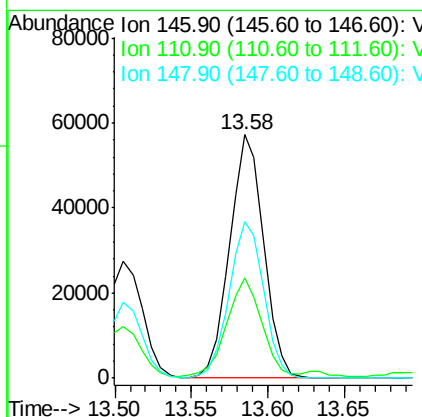
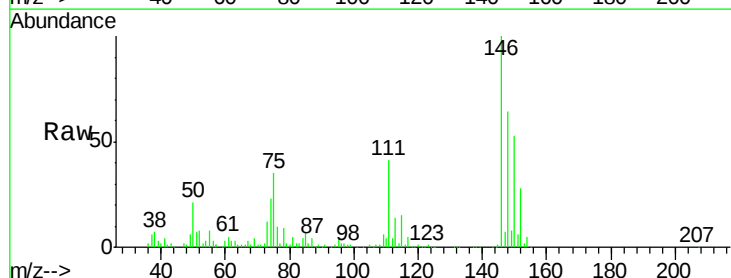
Manual Integrations
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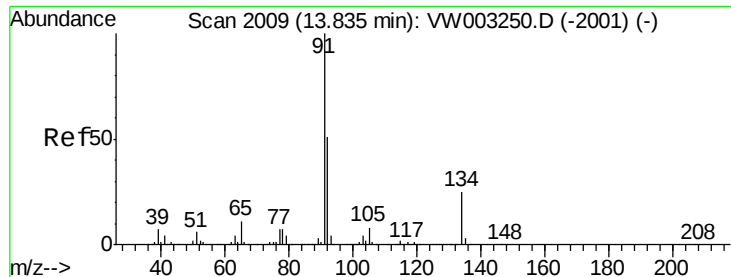
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#88
 1,4-Dichlorobenzene
 Concen: 20.23 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003524.D
 Acq: 24 Jun 2018 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.2	57.6
148	65.3	31.8	95.4





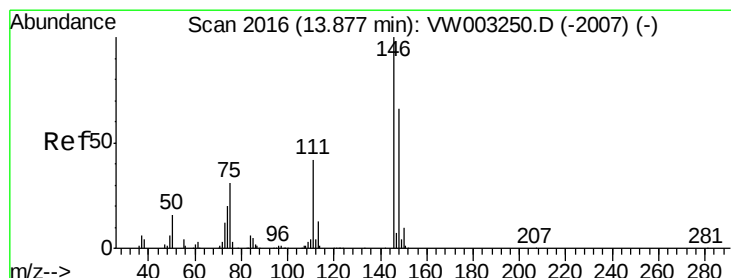
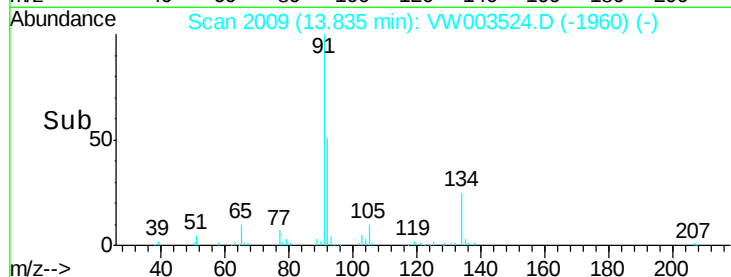
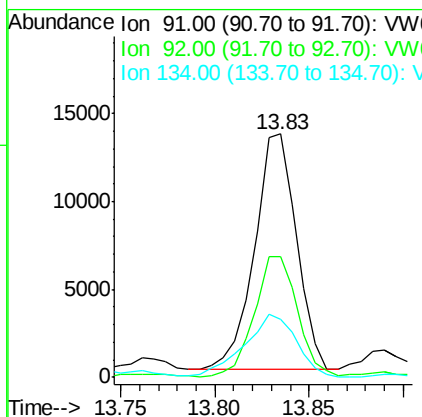
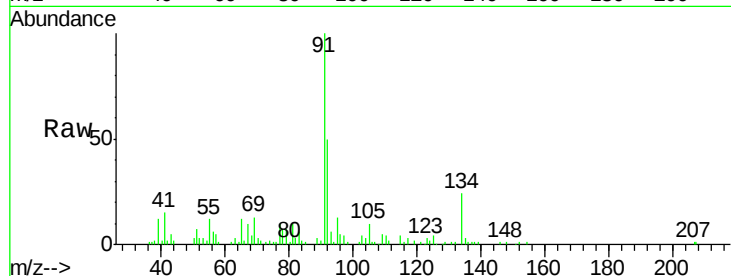
#89
n-Butylbenzene
Concen: 2.48 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :
DUP-0479-180620

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	33.6	12.7	38.0

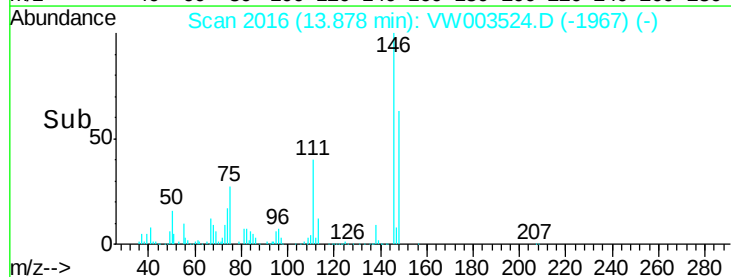
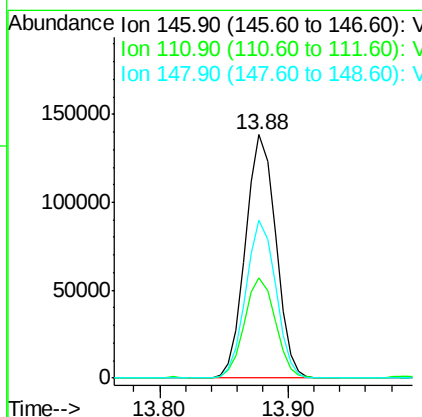
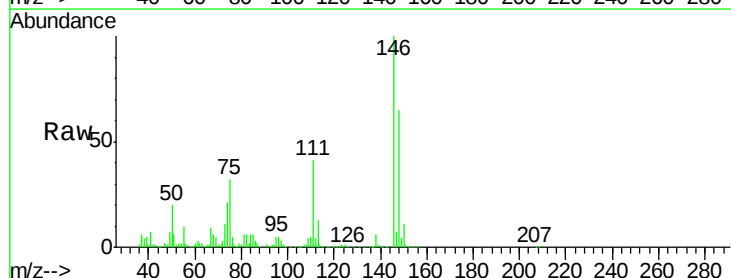
Manual Integrations
APPROVED

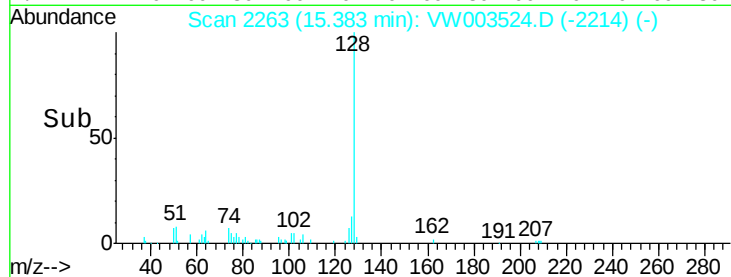
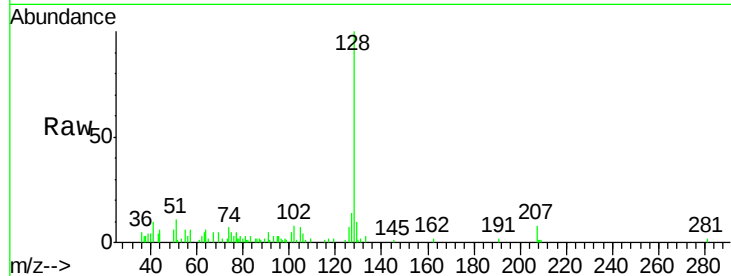
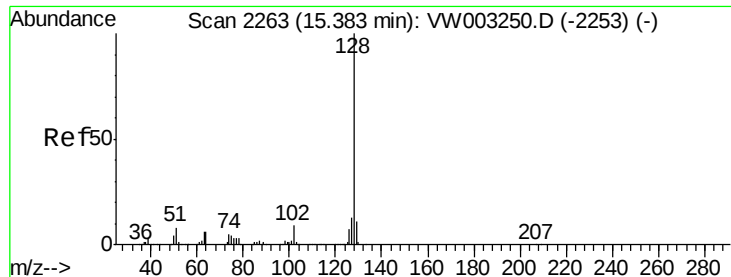
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#91
1,2-Dichlorobenzene
Concen: 58.72 ug/l
RT: 13.88 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VW003524.D
Acq: 24 Jun 2018 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	63.8	32.3	96.9





#95

Naphthalene

Concen: 2.06 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003524.D

Acq: 24 Jun 2018 21:06

Instrument :

MSVOA_W

ClientSampleId :

DUP-0479-180620

Tot Ion:	128	Resp:	9394
Ion Ratio	Lower	Upper	
128	100		
127	18.6	10.5	15.7#
129	12.0	8.9	13.3

Manual Integrations
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