

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003487.D
 Acq On : 24 Jun 2018 04:30
 Operator : SY/AP
 Sample : J3670-07
 Misc : 5.81G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-21-23-180621

Manual Integrations
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 6/26/2018 11:32:55 AM

Quant Time: Jun 25 04:49:14 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	150407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	259002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	234345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	116299	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	108016	66.30	ug/l	0.00
Spiked Amount			Recovery	=	132.60%	
35) Dibromofluoromethane	7.89	113	94411	58.66	ug/l	0.00
Spiked Amount			Recovery	=	117.32%	
50) Toluene-d8	10.33	98	333499	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.62	95	137457	60.87	ug/l	0.00
Spiked Amount			Recovery	=	121.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	10348	6.18	ug/l	98
16) Acetone	4.15	43	28019	82.00	ug/l	96
17) Carbon Disulfide	4.37	76	14592	3.63	ug/l	96
20) Methylene Chloride	4.91	84	16844	8.56	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	4850	3.27	ug/l	87
25) 2-Butanone	7.20	43	5320	12.52	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	87142	53.53	ug/l	93
39) Methylcyclohexane	9.34	83	15459	5.34	ug/l #	86
40) Benzene	8.33	78	13806	2.00	ug/l	97
44) Trichloroethene	9.10	130	20442	11.19	ug/l	91
52) Toluene	10.39	92	7413	1.68	ug/l	97
64) Tetrachloroethene	10.87	164	2828	1.80	ug/l	87
65) Chlorobenzene	11.66	112	2386049	488.94	ug/l	100
83) tert-Butylbenzene	13.21	119	93517	16.16	ug/l	97
85) sec-Butylbenzene	13.39	105	67548	7.85	ug/l #	19
87) 1,3-Dichlorobenzene	13.51	146	78258m	20.22	ug/l	
88) 1,4-Dichlorobenzene	13.59	146	218484	56.79	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	473755	139.75	ug/l	96

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

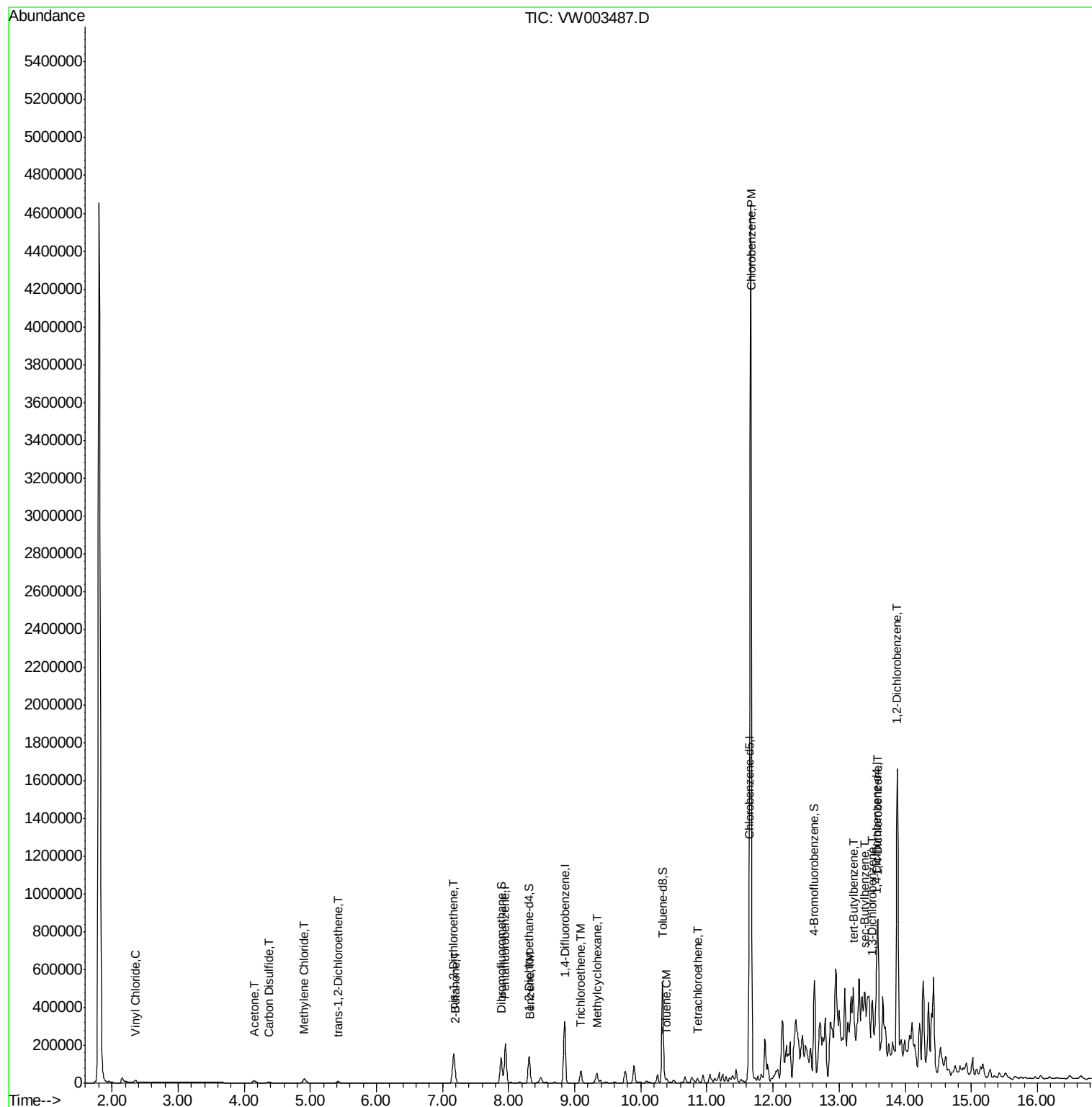
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062318\
Data File : VW003487.D
Acq On : 24 Jun 2018 04:30
Operator : SY/AP
Sample : J3670-07
Misc : 5.81G/5ML/MSVOA W/SOIL
ALS Vial : 41 Sample Multiplier: 1

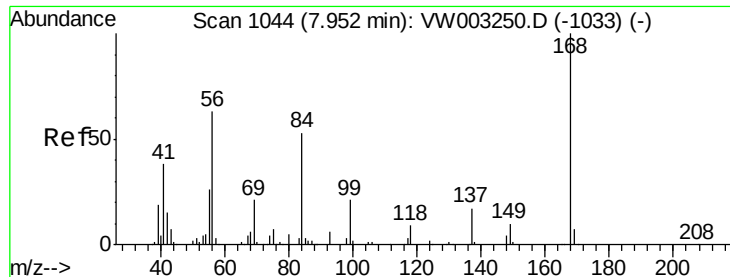
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-21-23-180621

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Quant Time: Jun 25 04:49:14 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: VW003487.D

Acq: 24 Jun 2018 04:30

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-21-23-180621

Tot Ion:168 Resp: 150407

Ion Ratio Lower Upper

168 100

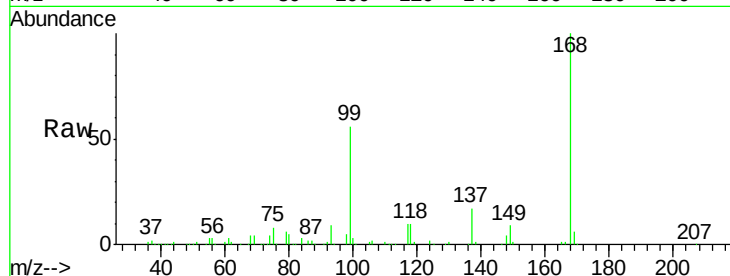
99 56.0 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

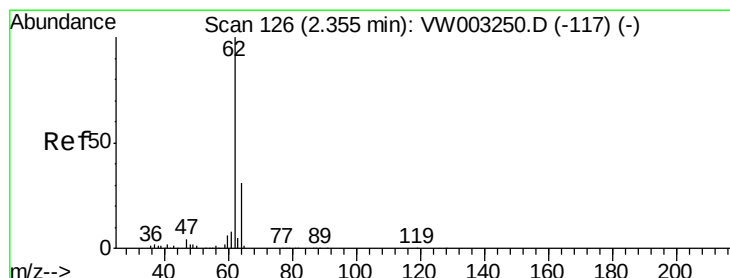
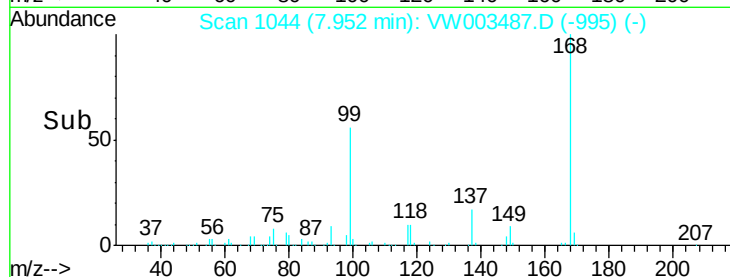
40000

20000

0

7.90 8.00

Time-->



#4

Vinyl Chloride

Concen: 6.18 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003487.D

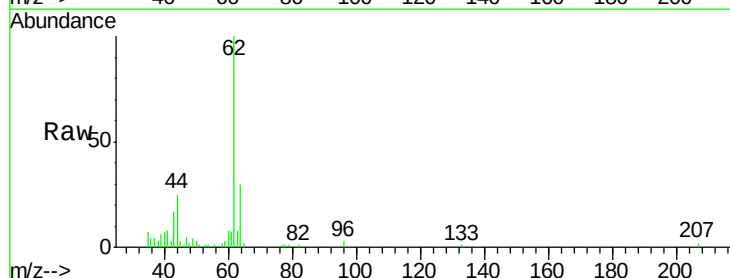
Acq: 24 Jun 2018 04:30

Tgt Ion: 62 Resp: 10348

Ion Ratio Lower Upper

62 100

64 30.0 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

6000

5000

4000

3000

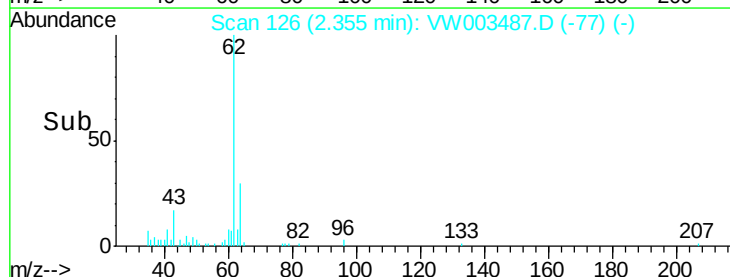
2000

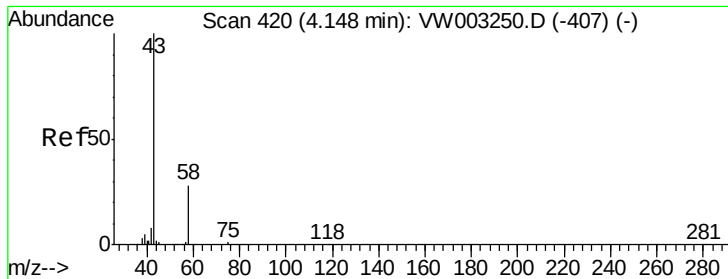
1000

0

2.30 2.35 2.40 2.45

Time-->





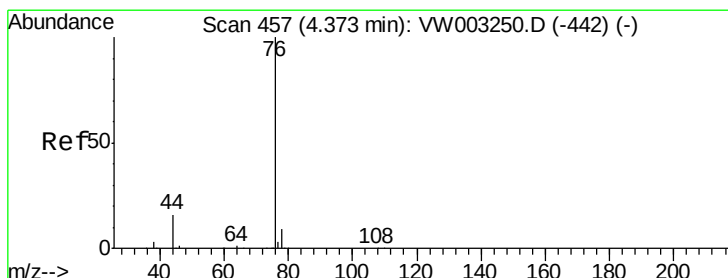
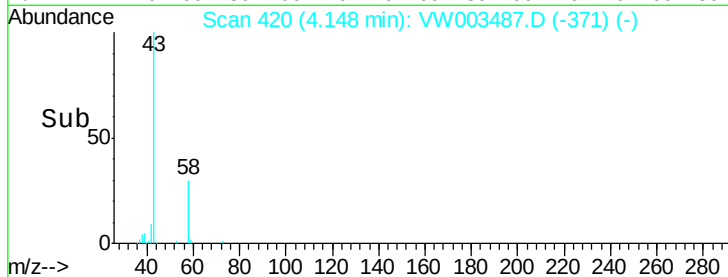
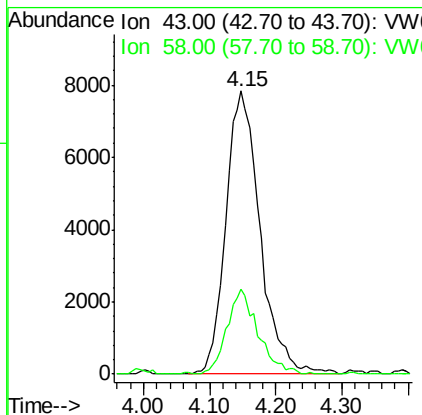
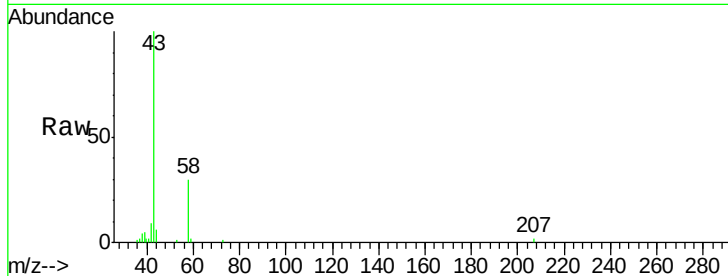
#16
Acetone
Concen: 82.00 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.00 min
Lab File: VW003487.D
Acq: 24 Jun 2018 04:30

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-21-23-180621

Tot Ion: 43 Resp: 28019
Ion Ratio Lower Upper
43 100
58 30.2 22.6 34.0

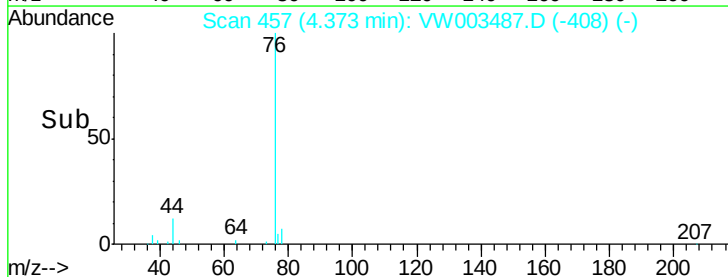
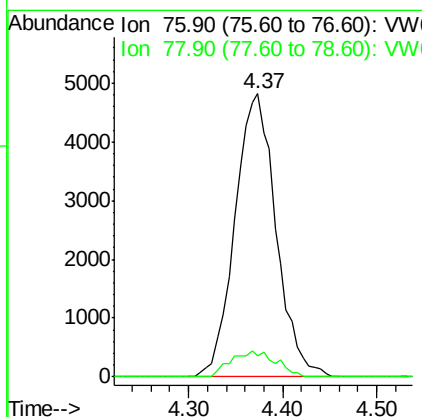
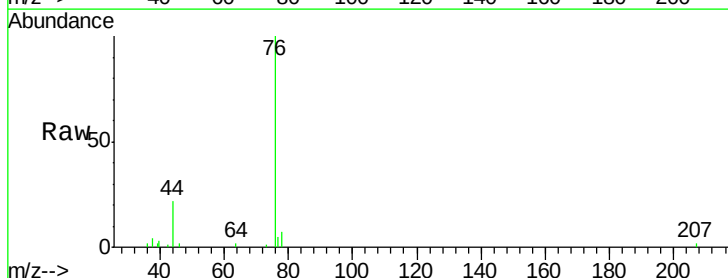
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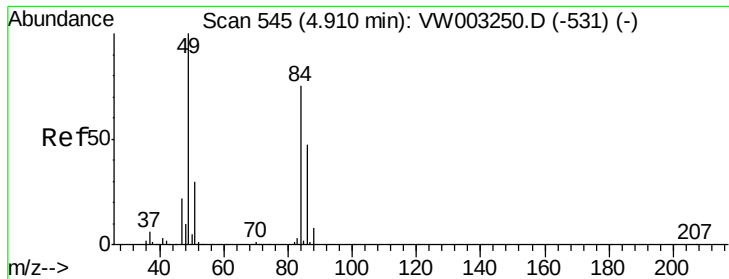
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#17
Carbon Disulfide
Concen: 3.63 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW003487.D
Acq: 24 Jun 2018 04:30

Tgt Ion: 76 Resp: 14592
Ion Ratio Lower Upper
76 100
78 7.5 7.1 10.7





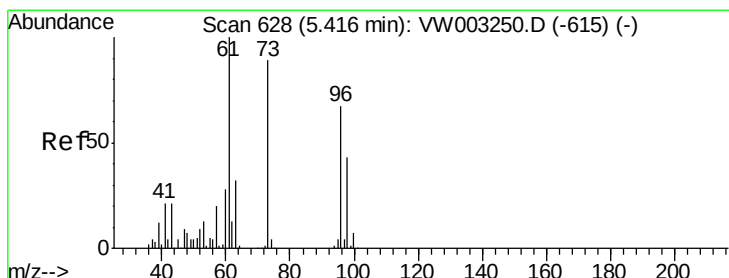
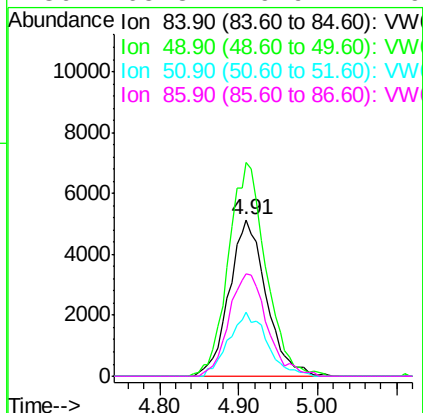
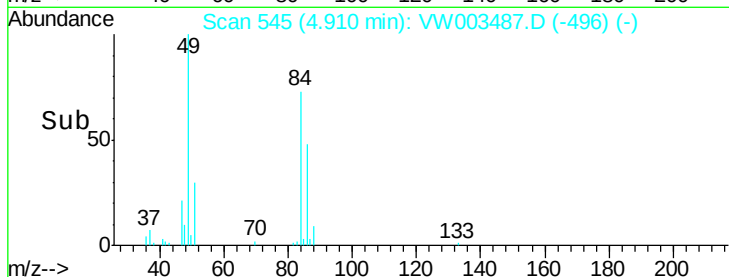
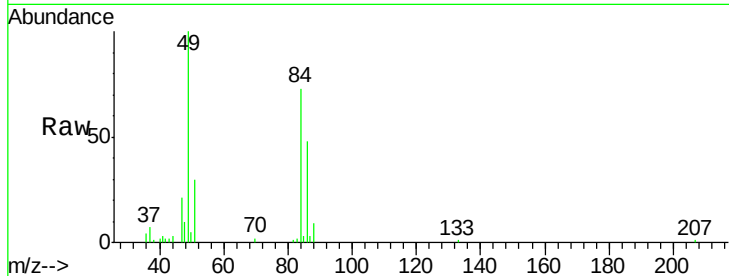
#20
Methylene Chloride
Concen: 8.56 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003487.D
Acq: 24 Jun 2018 04:30

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-21-23-180621

Tot Ion	Ratio	Lower	Upper
84	100		
49	136.7	106.3	159.5
51	41.0	32.0	48.0
86	65.8	49.9	74.9

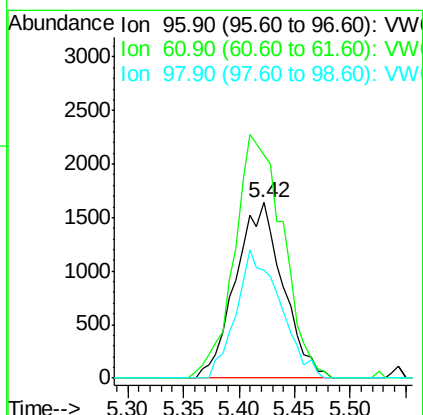
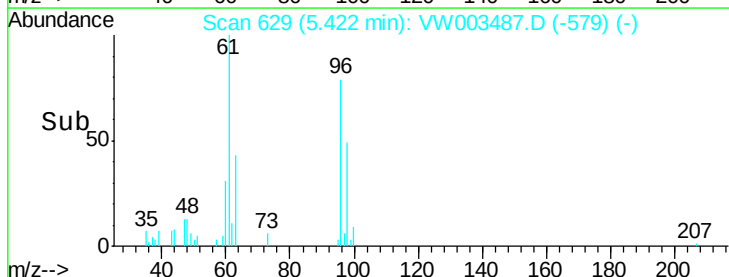
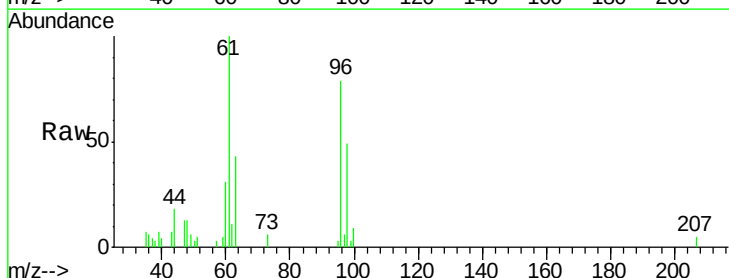
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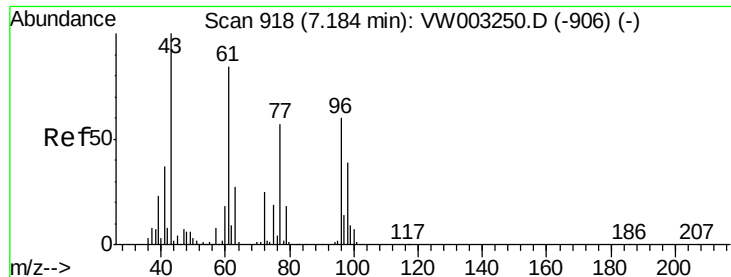
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#21
trans-1,2-Dichloroethene
Concen: 3.27 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003487.D
Acq: 24 Jun 2018 04:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.7	118.7	178.1
98	61.5	51.0	76.6





#25

2-Butanone

Concen: 12.52 ug/l

RT: 7.20 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW003487.D

Acq: 24 Jun 2018 04:30

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-21-23-180621

Tot Ion: 43 Resp: 5320

Ion Ratio Lower Upper

43 100

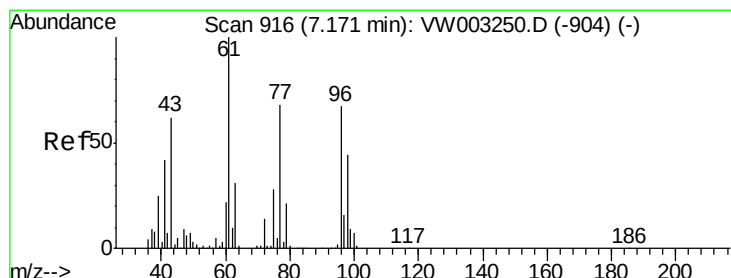
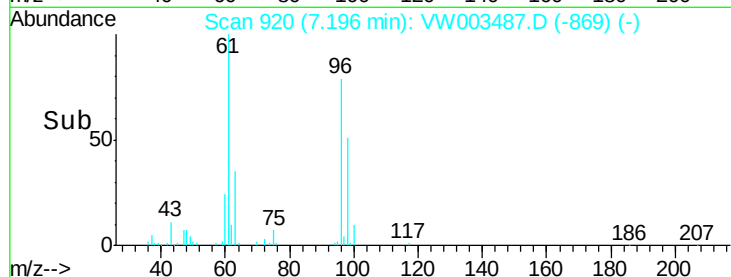
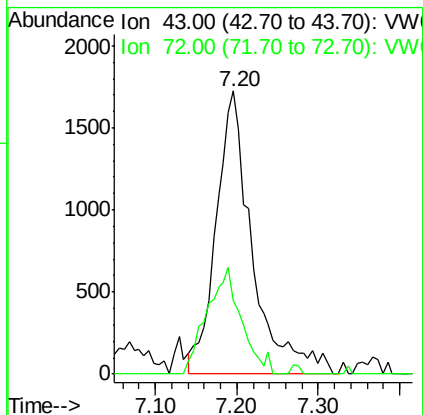
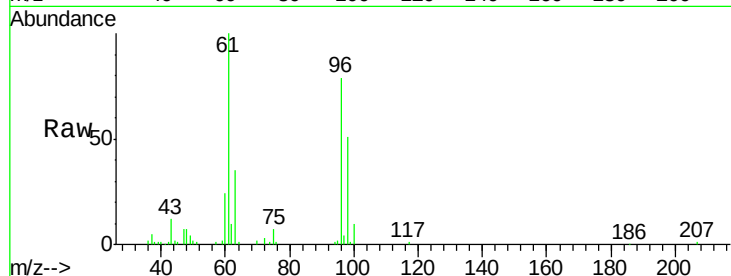
72 26.2 20.3 30.5

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#27

cis-1,2-Dichloroethene

Concen: 53.53 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003487.D

Acq: 24 Jun 2018 04:30

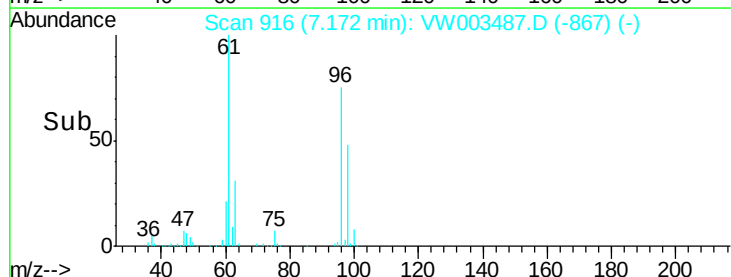
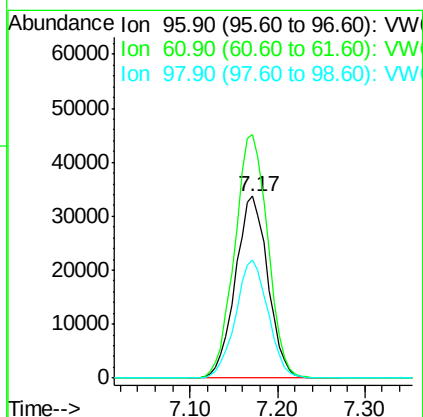
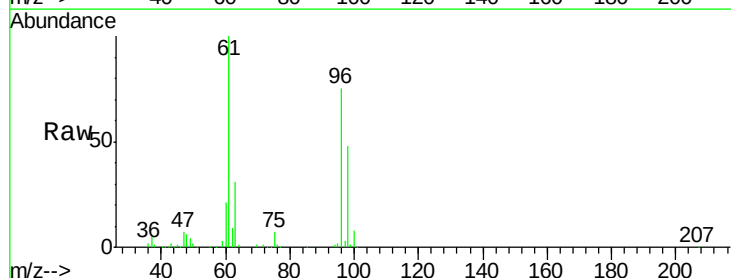
Tgt Ion: 96 Resp: 87142

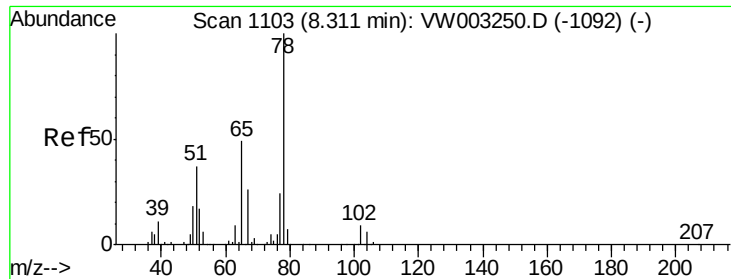
Ion Ratio Lower Upper

96 100

61 136.5 0.0 298.8

98 64.7 0.0 130.4





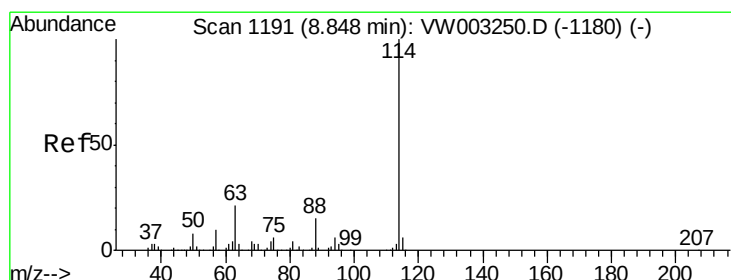
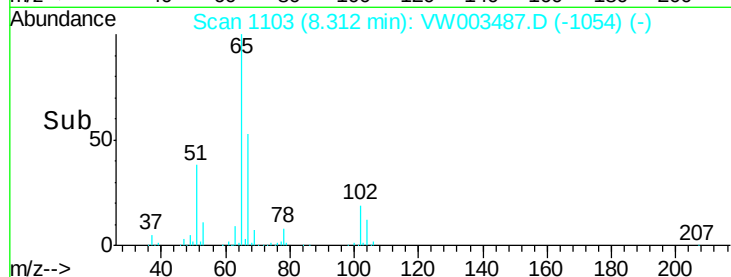
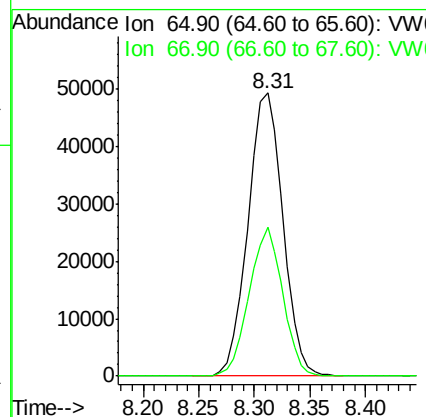
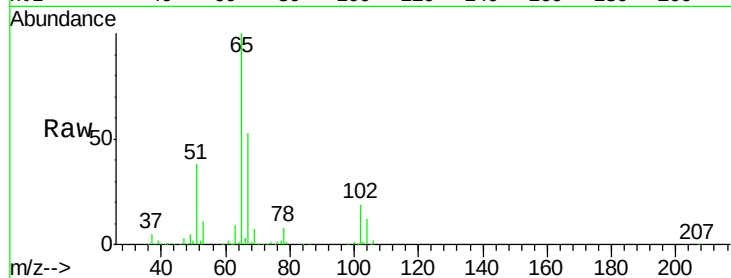
#33
 1,2-Dichloroethane-d4
 Concen: 66.30 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003487.D
 Acq: 24 Jun 2018 04:30

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-21-23-180621

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.5	0.0	104.2	

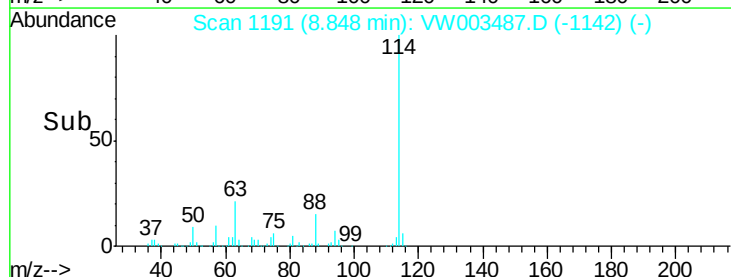
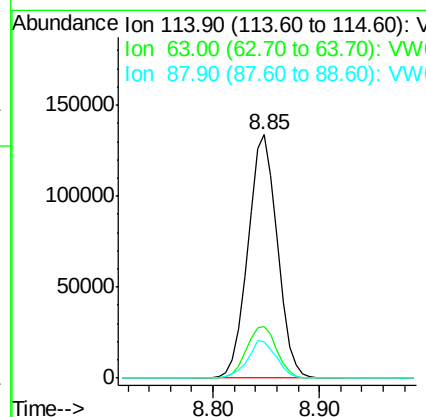
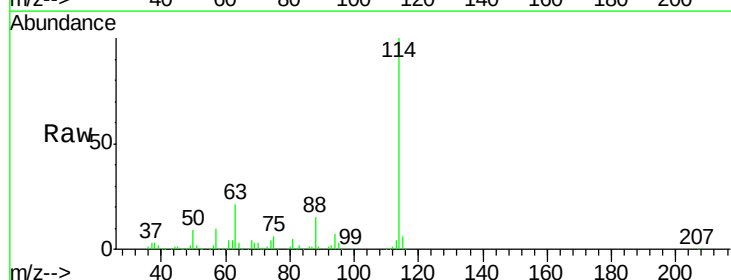
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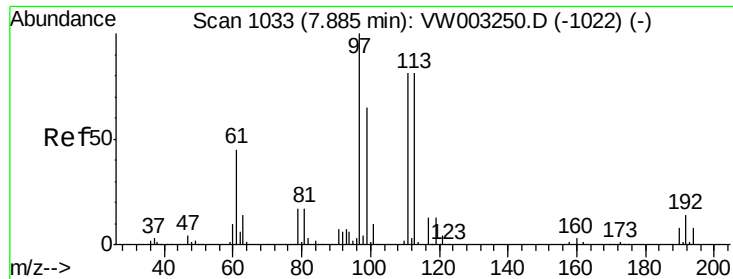
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003487.D
 Acq: 24 Jun 2018 04:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.2	0.0	43.0	
88	14.8	0.0	29.6	





#35

Dibromofluoromethane

Concen: 58.66 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003487.D

Acq: 24 Jun 2018 04:30

Instrument :

MSVOA_W

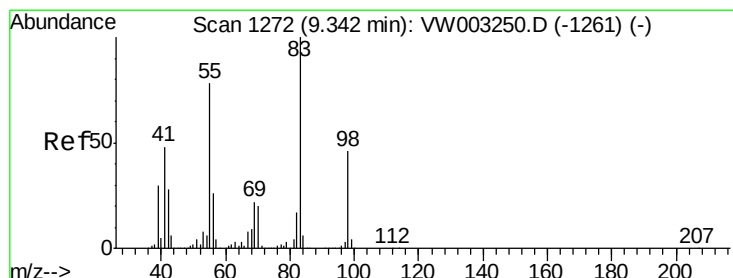
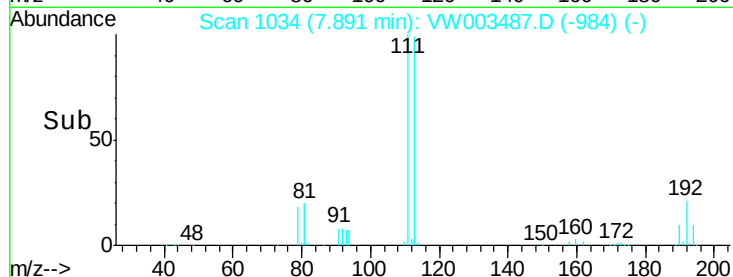
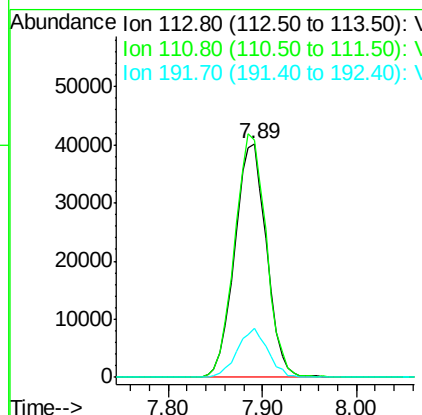
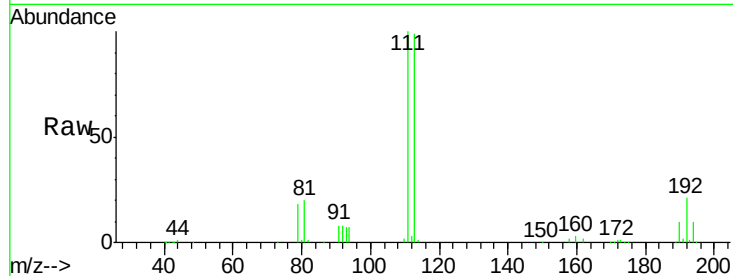
ClientSampleId :

WP021SB487-21-23-180621

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.2
192	20.1	16.2	24.2

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#39

Methylcyclohexane

Concen: 5.34 ug/l

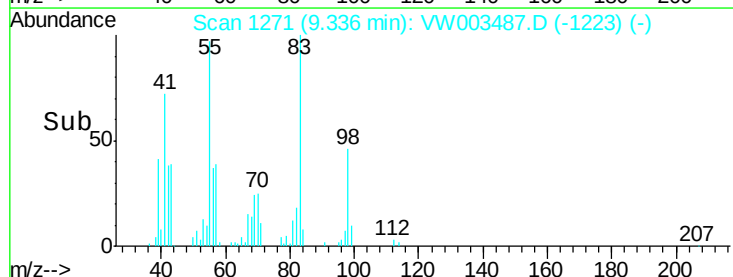
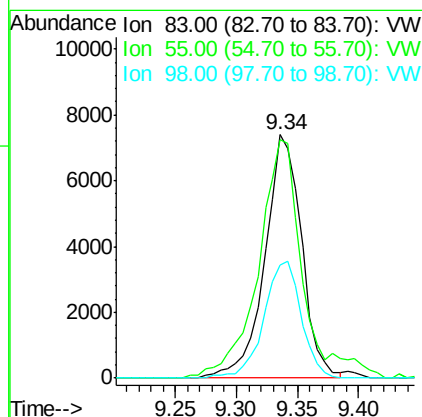
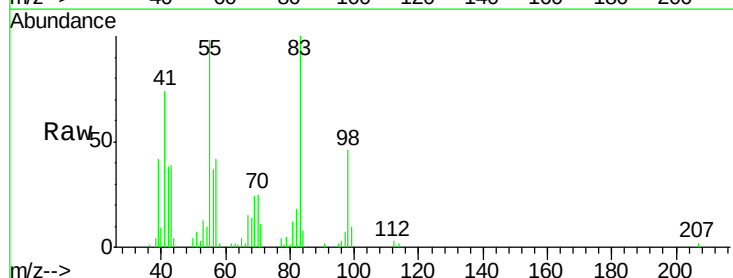
RT: 9.34 min Scan# 1271

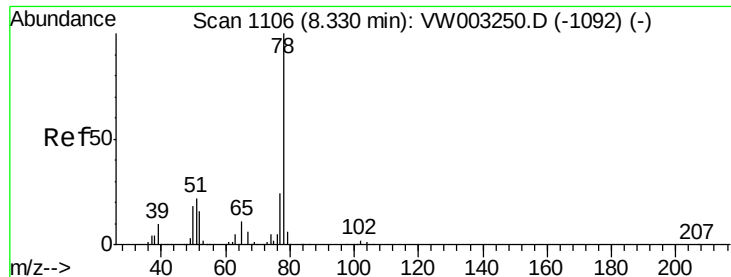
Delta R.T. -0.01 min

Lab File: VW003487.D

Acq: 24 Jun 2018 04:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.9	62.6	93.8#
98	46.3	37.0	55.4





#40

Benzene

Concen: 2.00 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003487.D

Acq: 24 Jun 2018 04:30

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-21-23-180621

Tot Ion: 78 Resp: 13806

Ion Ratio Lower Upper

78 100

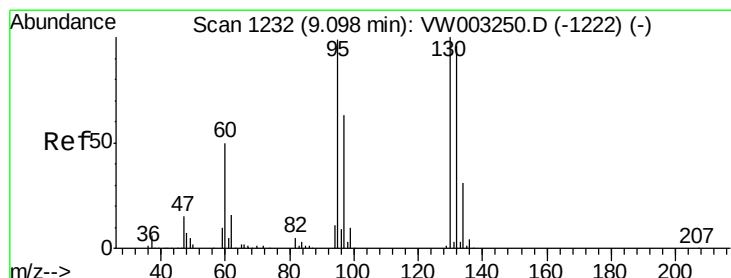
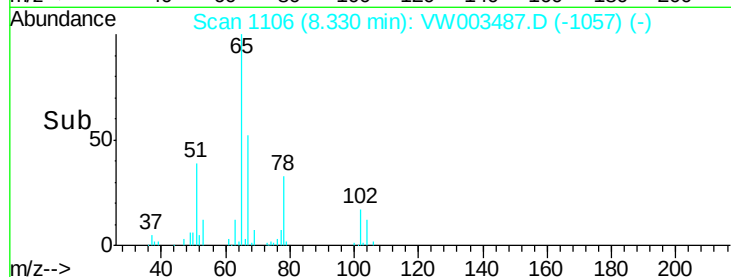
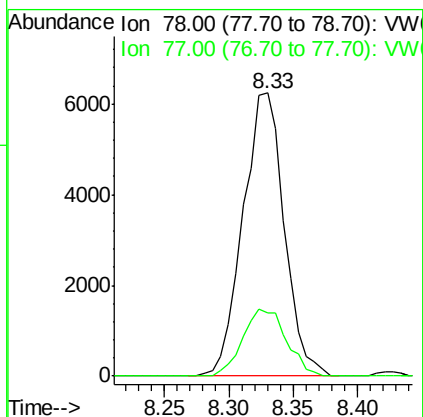
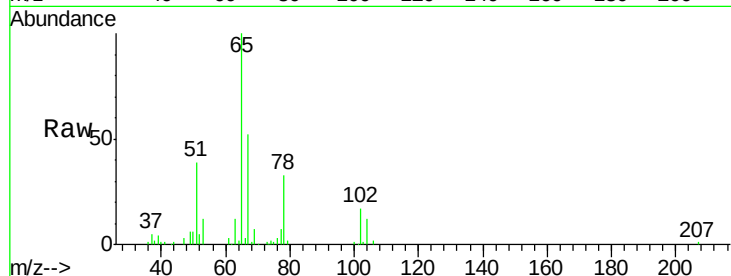
77 22.4 19.0 28.6

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#44

Trichloroethene

Concen: 11.19 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003487.D

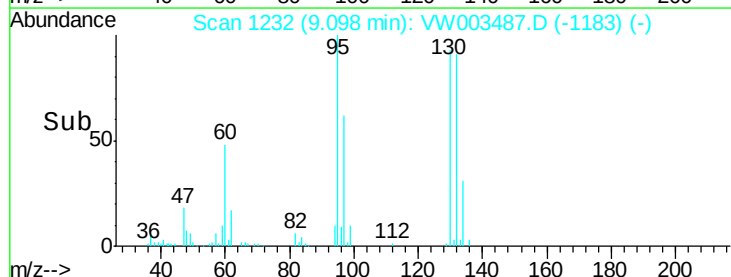
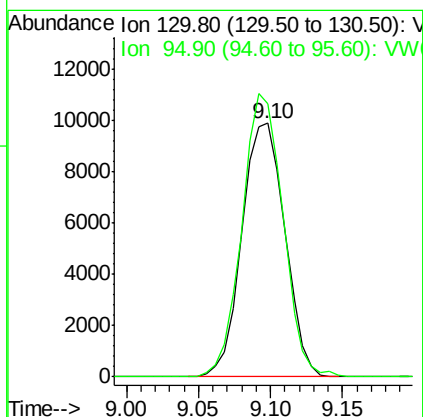
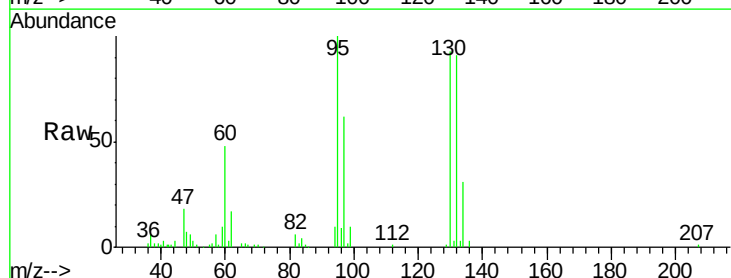
Acq: 24 Jun 2018 04:30

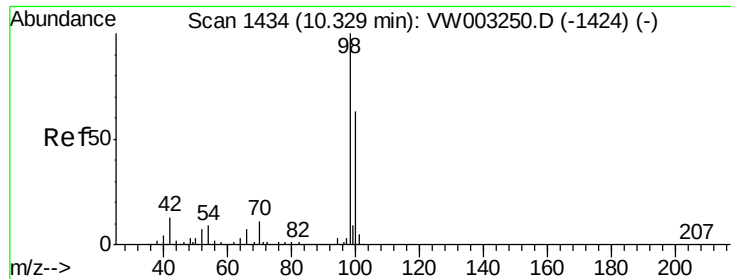
Tgt Ion:130 Resp: 20442

Ion Ratio Lower Upper

130 100

95 107.7 0.0 198.0





#50

Toluene-d8

Concen: 52.26 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003487.D

Acq: 24 Jun 2018 04:30

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-21-23-180621

Tot Ion: 98 Resp: 333499

Ion Ratio Lower Upper

98 100

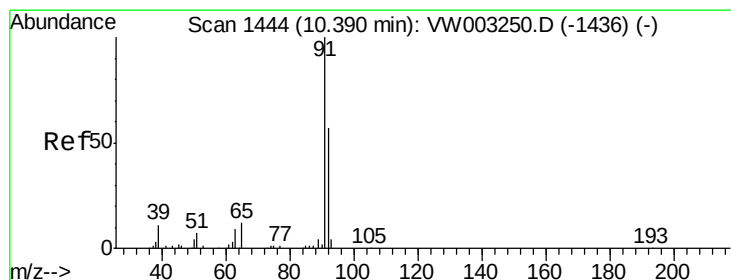
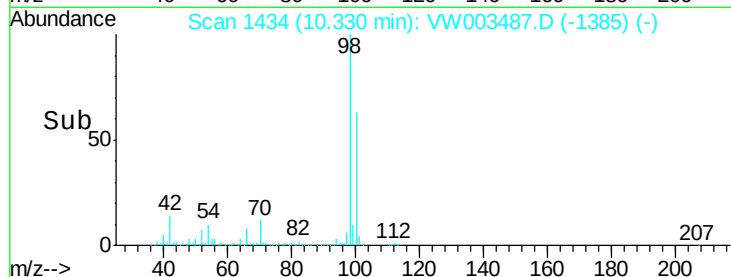
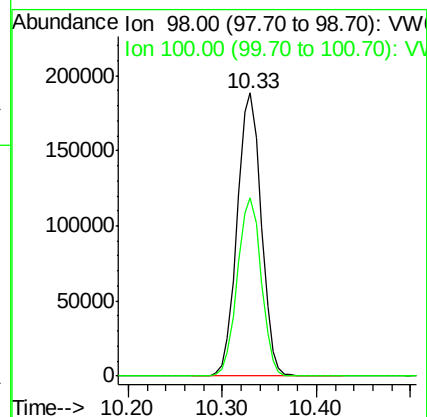
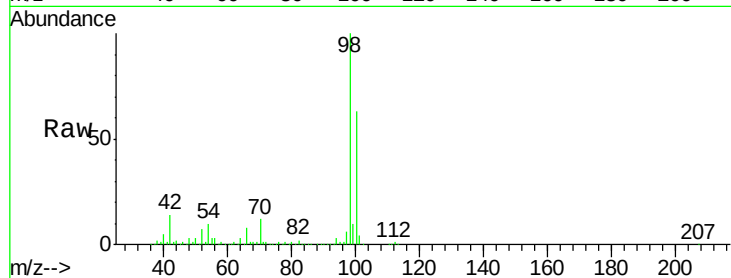
100 62.7 50.8 76.2

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#52

Toluene

Concen: 1.68 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003487.D

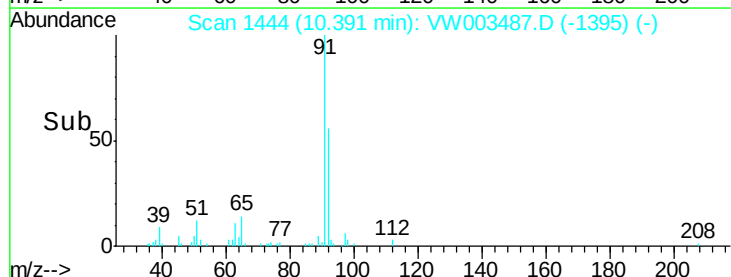
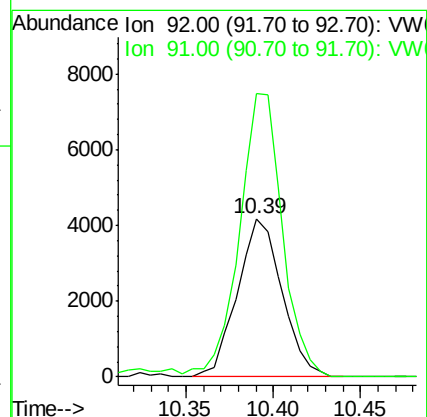
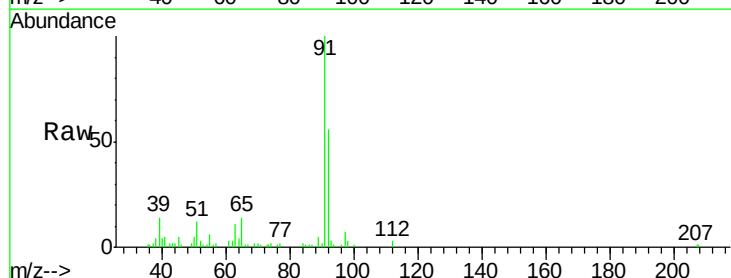
Acq: 24 Jun 2018 04:30

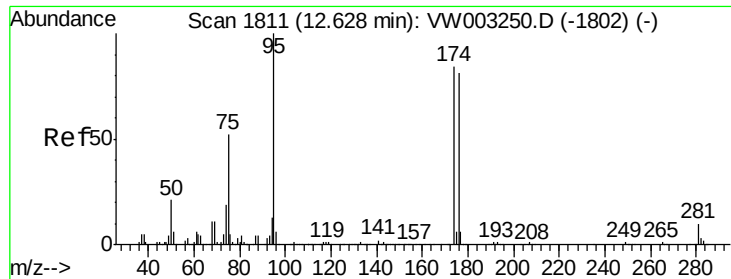
Tgt Ion: 92 Resp: 7413

Ion Ratio Lower Upper

92 100

91 172.1 141.1 211.7





#62

4-Bromofluorobenzene

Concen: 60.87 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003487.D

Acq: 24 Jun 2018 04:30

Instrument :

MSVOA_W

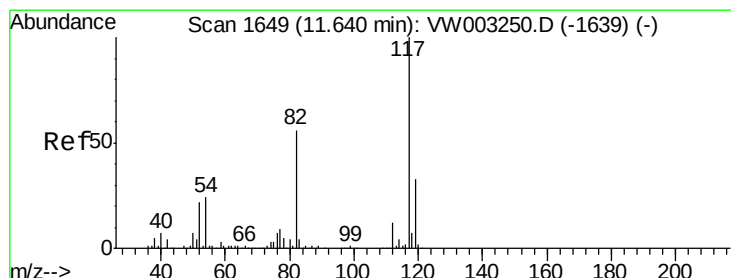
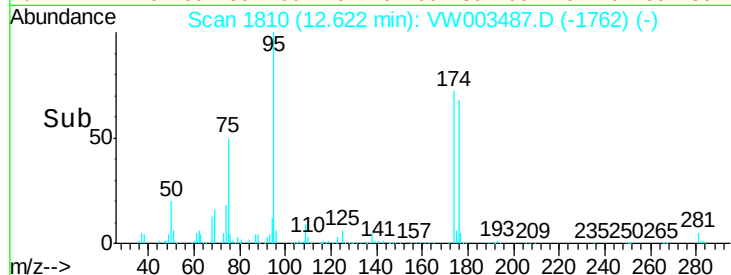
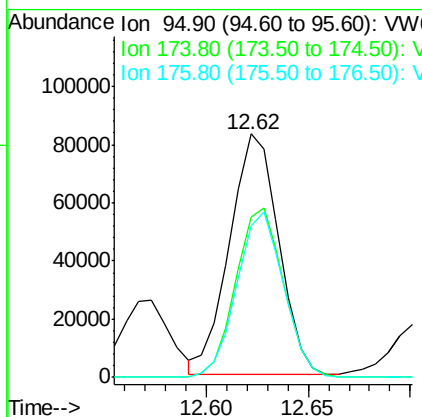
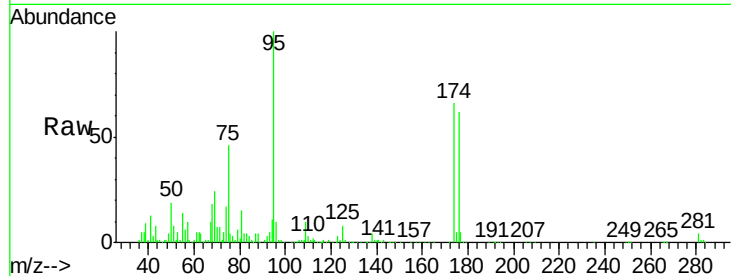
ClientSampleId :

WP021SB487-21-23-180621

Tot Ion:	95	Resp:	137457
Ion Ratio	Lower	Upper	
95	100		
174	69.0	0.0	166.4
176	65.9	0.0	162.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

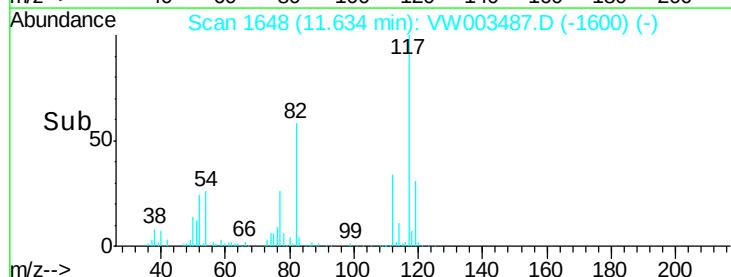
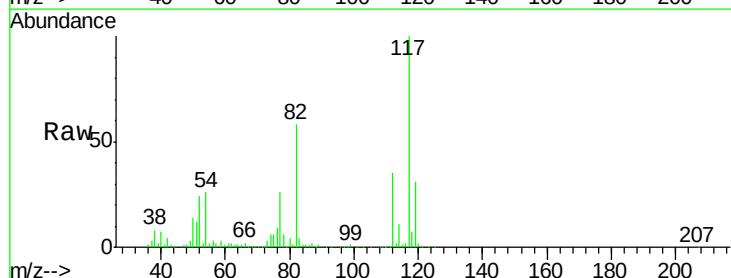
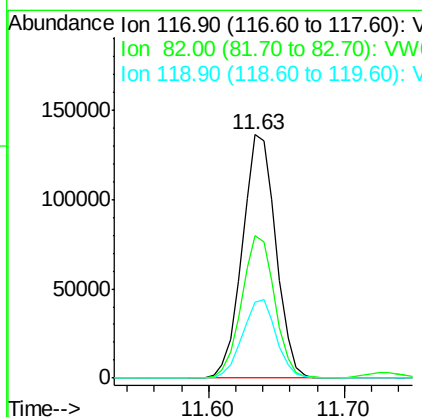
RT: 11.63 min Scan# 1648

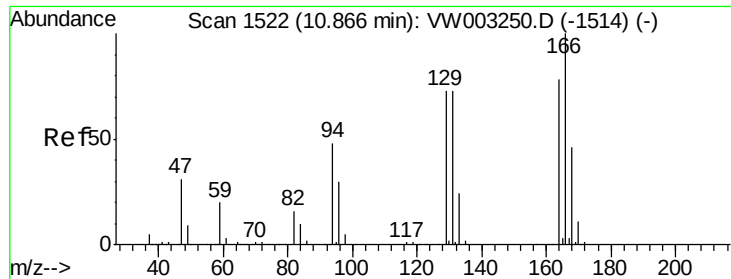
Delta R.T. -0.01 min

Lab File: VW003487.D

Acq: 24 Jun 2018 04:30

Tgt Ion:	117	Resp:	234345
Ion Ratio	Lower	Upper	
117	100		
82	58.2	44.6	67.0
119	31.2	26.7	40.1





#64

Tetrachloroethene

Concen: 1.80 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW003487.D

Acq: 24 Jun 2018 04:30

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-21-23-180621

Tot Ion:164 Resp: 2828

Ion Ratio Lower Upper

164 100

166 115.4 102.6 154.0

129 78.3 75.2 112.8

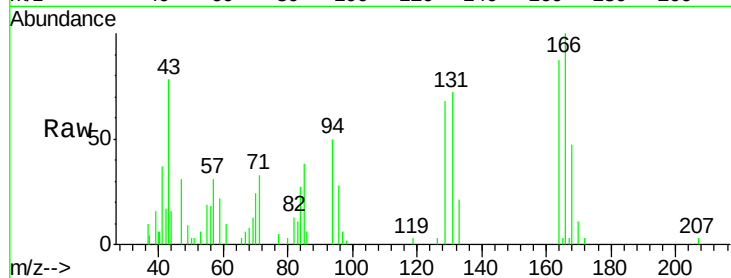
131 83.4 75.0 112.4

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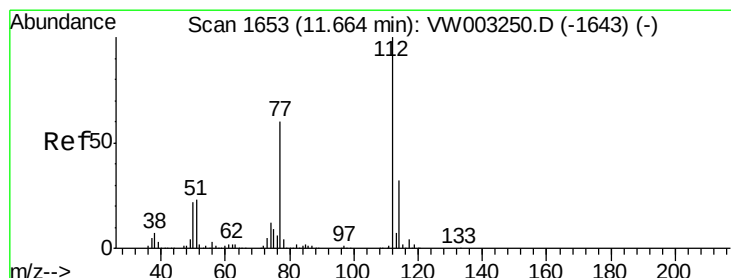
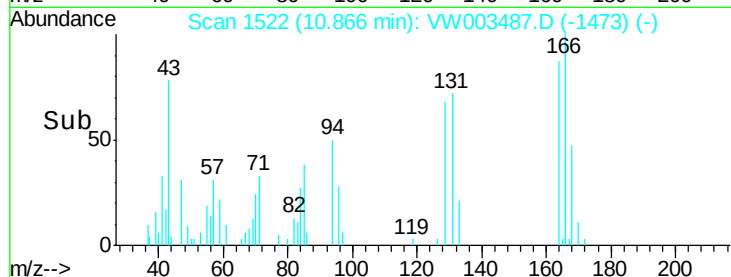
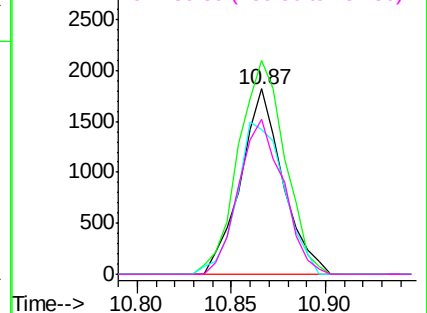


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 488.94 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003487.D

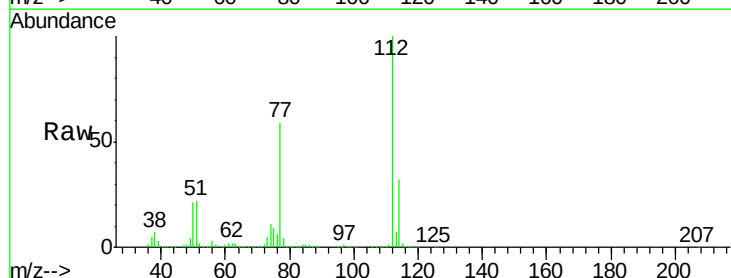
Acq: 24 Jun 2018 04:30

Tgt Ion:112 Resp: 2386049

Ion Ratio Lower Upper

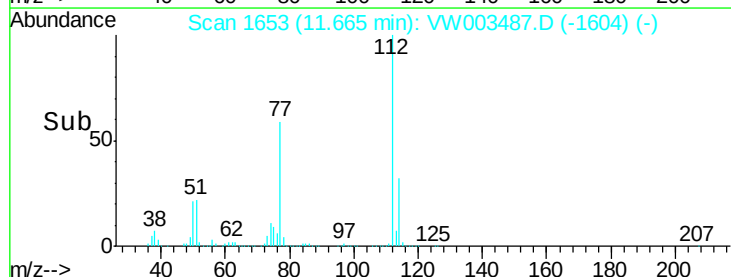
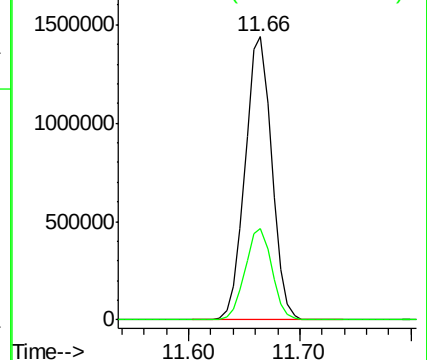
112 100

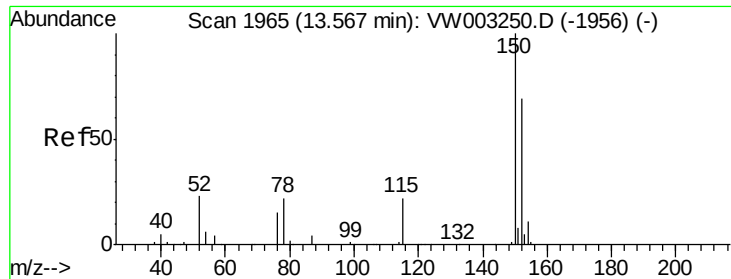
114 32.2 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





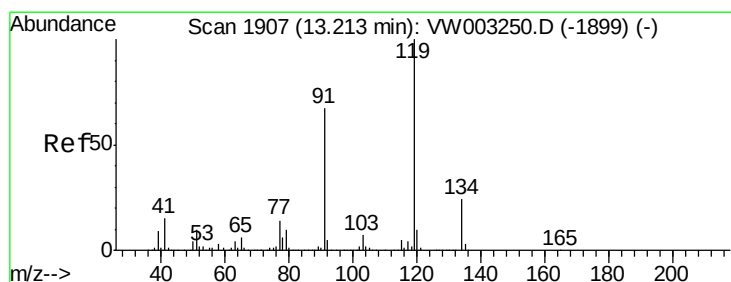
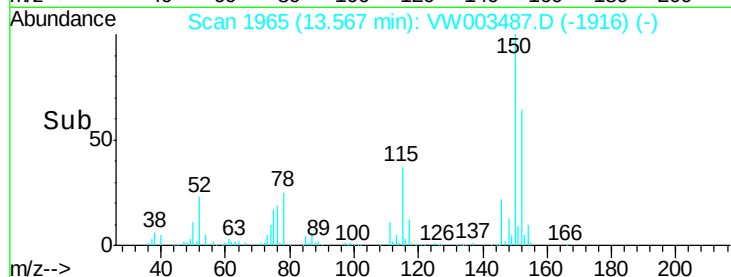
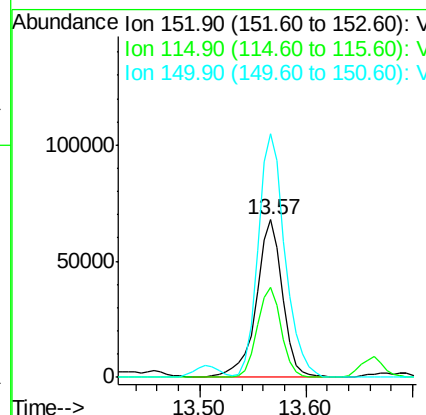
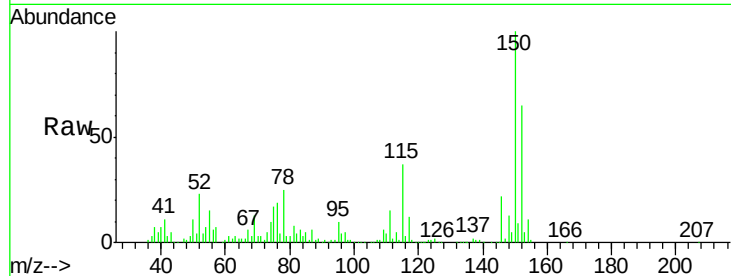
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003487.D
 Acq: 24 Jun 2018 04:30

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-21-23-180621

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.3	29.3	88.0
150	158.8	0.0	349.6

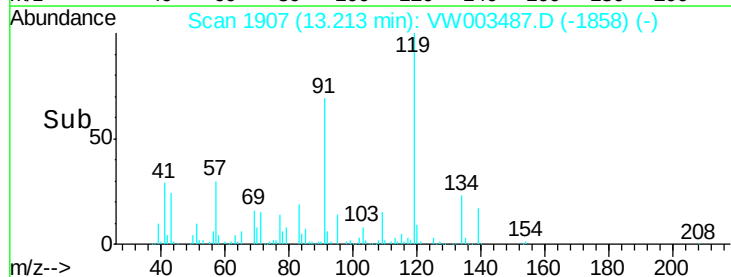
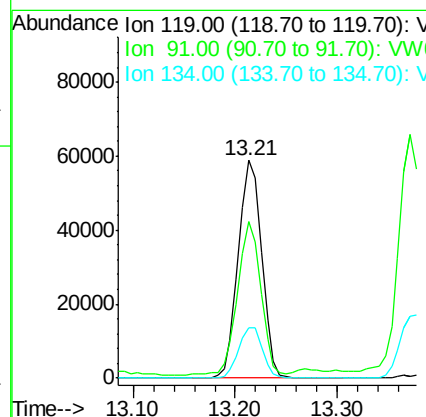
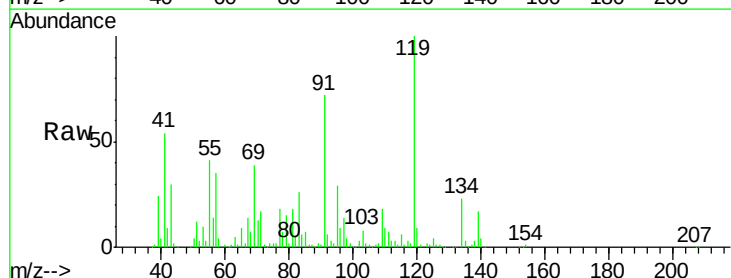
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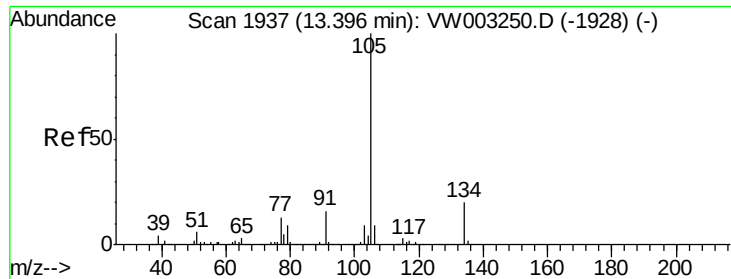
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#83
 tert-Butylbenzene
 Concen: 16.16 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003487.D
 Acq: 24 Jun 2018 04:30

Tgt Ion	Ratio	Lower	Upper
119	100		
91	69.7	33.9	101.7
134	23.8	13.4	40.1





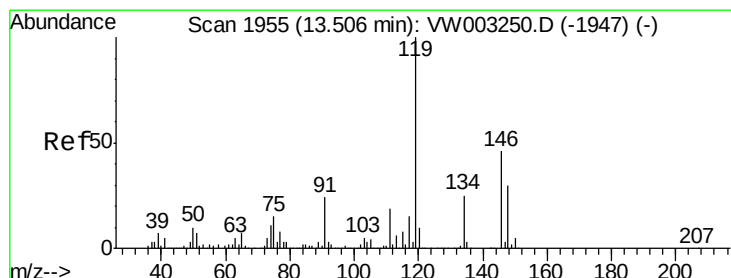
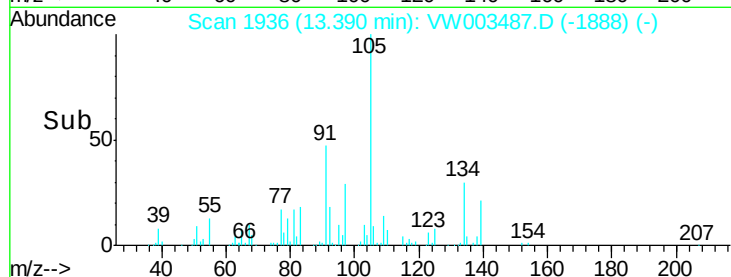
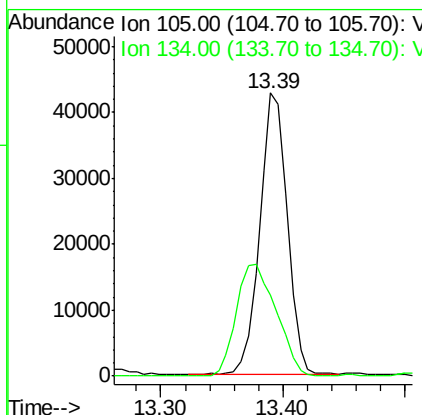
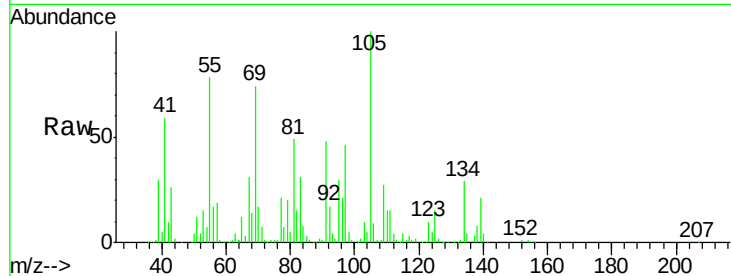
#85
 sec-Butylbenzene
 Concen: 7.85 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003487.D
 Acq: 24 Jun 2018 04:30

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-21-23-180621

Tot Ion	Ratio	Lower	Upper
105	100		
134	56.7	9.8	29.5#

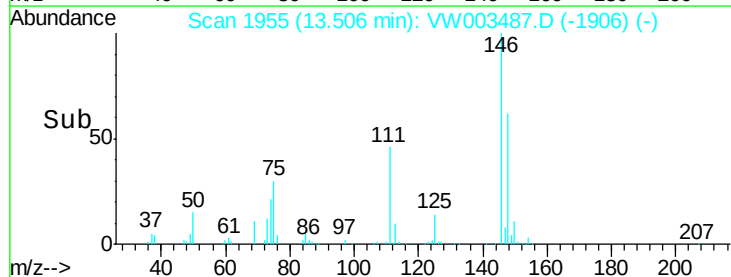
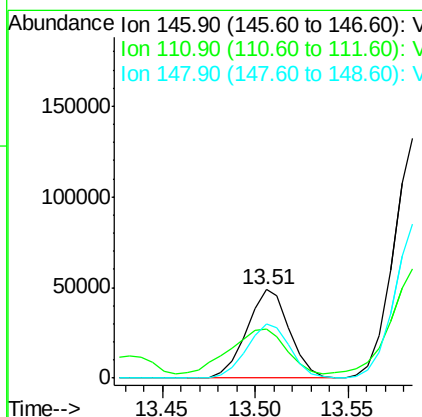
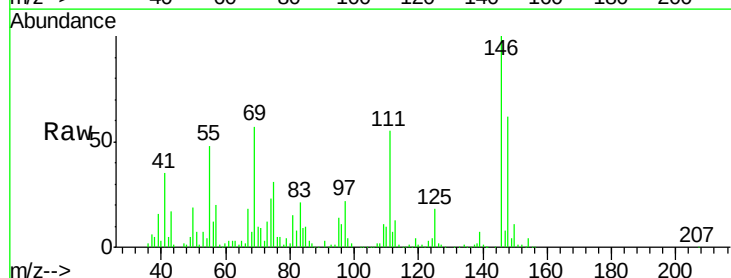
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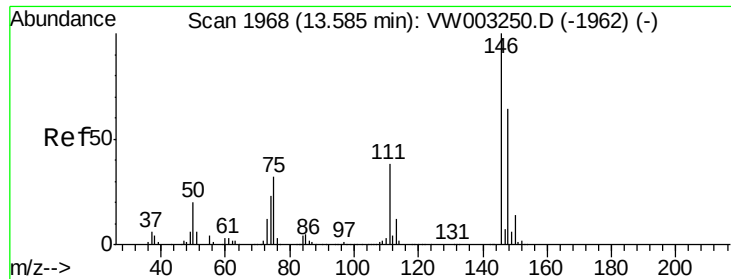
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#87
 1,3-Dichlorobenzene
 Concen: 20.22 ug/l m
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003487.D
 Acq: 24 Jun 2018 04:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	125.6	19.8	59.4#
148	177.3	32.1	96.5#





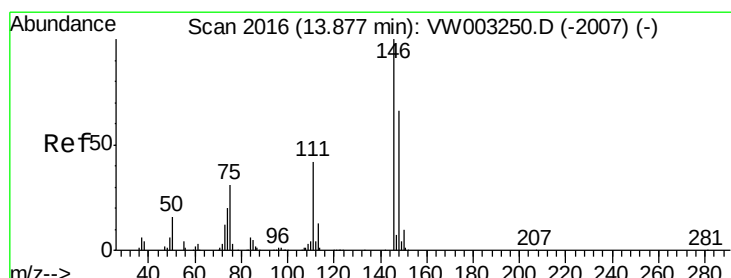
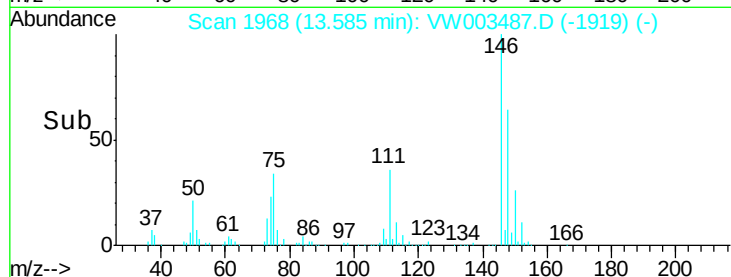
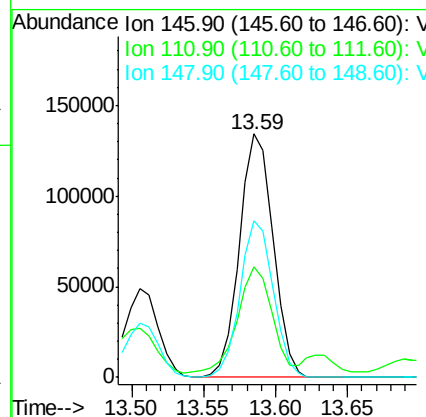
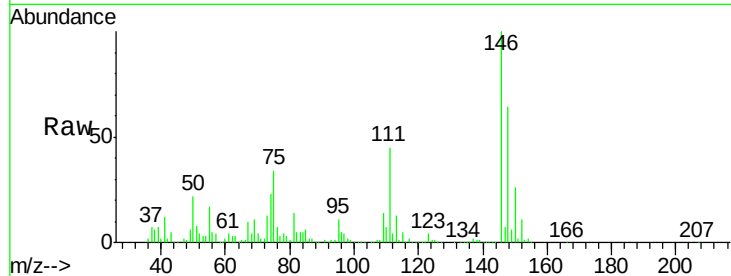
#88
 1,4-Dichlorobenzene
 Concen: 56.79 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003487.D
 Acq: 24 Jun 2018 04:30

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-21-23-180621

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	19.2	57.6
148	63.5	31.8	95.4

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#91
 1,2-Dichlorobenzene
 Concen: 139.75 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003487.D
 Acq: 24 Jun 2018 04:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	20.3	61.0
148	63.5	32.3	96.9

