

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003663.D
 Acq On : 29 Jun 2018 16:24
 Operator : SY/AP
 Sample : J2923-04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Manual Integrations
 APPROVED

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 7/2/2018 10:30:47 AM

Quant Time: Jun 30 04:37:41 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	189639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	305022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	281746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	149168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	114172	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
35) Dibromofluoromethane	7.88	113	100527	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	10.33	98	386742	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.62	95	135163	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	4234m	7.39	ug/l	
3) Chloromethane	2.21	50	10089	6.96	ug/l	89
4) Vinyl Chloride	2.36	62	14143	6.70	ug/l #	87
5) Bromomethane	2.78	94	8910	6.35	ug/l	99
6) Chloroethane	2.93	64	8647	5.88	ug/l	91
7) Trichlorofluoromethane	3.25	101	7804	6.17	ug/l	97
8) Diethyl Ether	3.67	74	6468	6.96	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.05	101	11835	6.74	ug/l	97
10) Methyl Iodide	4.27	142	16403	6.17	ug/l	97
11) Tert butyl alcohol	5.24	59	3981	36.14	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	11368	6.62	ug/l	89
13) Acrolein	3.89	56	2965	18.83	ug/l	95
14) Allyl chloride	4.65	41	18085	6.08	ug/l	98
15) Acrylonitrile	5.38	53	12286	32.13	ug/l	98
16) Acetone	4.15	43	16492	38.28	ug/l	100
17) Carbon Disulfide	4.37	76	34092	6.72	ug/l	96
18) Methyl Acetate	4.68	43	9467	9.26	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	18625	5.79	ug/l	99
20) Methylene Chloride	4.91	84	22424	9.26	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	12382	6.63	ug/l	90
22) Diisopropyl ether	6.32	45	33201	5.55	ug/l #	91
23) Vinyl Acetate	6.26	43	82369	23.88	ug/l	96
24) 1,1-Dichloroethane	6.21	63	23132	6.51	ug/l	99
25) 2-Butanone	7.19	43	18677	34.87	ug/l	96
26) 2,2-Dichloropropane	7.17	77	16069	6.78	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	12277	5.98	ug/l	90
28) Bromochloromethane	7.51	49	9284	6.28	ug/l	97
29) Tetrahydrofuran	7.54	42	10433	31.87	ug/l	93
30) Chloroform	7.68	83	22710	6.27	ug/l	98
31) Cyclohexane	7.95	56	22339	6.73	ug/l #	83
32) 1,1,1-Trichloroethane	7.87	97	18642	6.24	ug/l	98
36) 1,1-Dichloropropene	8.09	75	18275	6.20	ug/l	97
37) Ethyl Acetate	7.26	43	8072	6.61	ug/l	97
38) Carbon Tetrachloride	8.07	117	18037	6.24	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	19100	5.60	ug/l	97
40) Benzene	8.32	78	50745	6.25	ug/l	97
41) Methacrylonitrile	7.49	41	3754	5.01	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	16020	6.30	ug/l	99
43) Isopropyl Acetate	8.43	43	14562	6.01	ug/l	98
44) Trichloroethene	9.10	130	13286	6.18	ug/l	96
45) 1,2-Dichloropropane	9.37	63	13054	6.31	ug/l	96
46) Dibromomethane	9.46	93	6827	6.45	ug/l	95
47) Bromodichloromethane	9.65	83	16561	6.10	ug/l	93
48) Methyl methacrylate	9.44	41	6797	5.97	ug/l	94
49) 1,4-Dioxane	9.49	88	1743	109.06	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	34930	28.29	ug/l	98
52) Toluene	10.39	92	32582	6.26	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	15780	5.69	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	17484	5.54	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	9137	6.13	ug/l	95
56) Ethyl methacrylate	10.65	69	9490	5.24	ug/l	99
57) 1,3-Dichloropropane	10.94	76	15975	6.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	22112	27.23	ug/l	99
59) 2-Hexanone	10.98	43	24561	28.47	ug/l	95
60) Dibromochloromethane	11.13	129	10144	5.72	ug/l	97
61) 1,2-Dibromoethane	11.24	107	8331	5.90	ug/l	95
64) Tetrachloroethene	10.87	164	12258	6.50	ug/l	96
65) Chlorobenzene	11.66	112	35508	6.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	11860	5.75	ug/l	98
67) Ethyl Benzene	11.74	91	56340	5.42	ug/l	97
68) m/p-Xylenes	11.84	106	42592	10.77	ug/l	99
69) o-Xylene	12.17	106	18980	5.18	ug/l	99
70) Styrene	12.19	104	31104	5.10	ug/l	100
71) Bromoform	12.35	173	6208	5.81	ug/l #	97
73) Isopropylbenzene	12.47	105	52595	5.07	ug/l	98
74) N-amyl acetate	12.28	43	12109	5.13	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10362	5.90	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	7363m	5.77	ug/l	
77) Bromobenzene	12.75	156	13727	5.68	ug/l	98
78) n-propylbenzene	12.81	91	69120	5.44	ug/l	99
79) 2-Chlorotoluene	12.90	91	39149	5.45	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	46652	5.36	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2877	5.19	ug/l	88
82) 4-Chlorotoluene	12.99	91	41411	5.44	ug/l	97
83) tert-Butylbenzene	13.21	119	37744	5.09	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	46391	5.18	ug/l	98
85) sec-Butylbenzene	13.39	105	58033	5.26	ug/l	98
86) p-Isopropyltoluene	13.51	119	48808	5.02	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	27875	5.62	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	29151	5.91	ug/l	95
89) n-Butylbenzene	13.83	91	49532	5.22	ug/l	99
90) Hexachloroethane	14.10	117	9892	5.62	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	24646	5.67	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1744	5.90	ug/l	93

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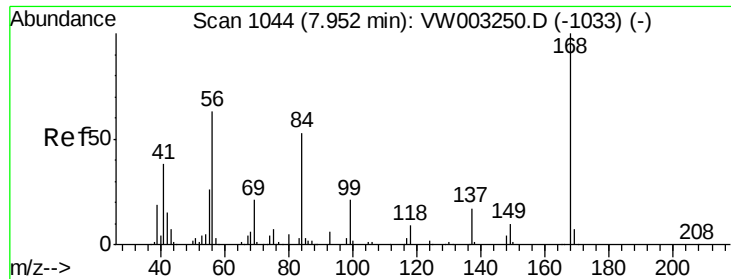
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	16303	5.34	ug/l	97
94) Hexachlorobutadiene	15.25	225	10535	5.74	ug/l	98
95) Naphthalene	15.38	128	24322	4.70	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	14560	5.42	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003663.D

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Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion:168 Resp: 189639

Ion Ratio Lower Upper

168 100

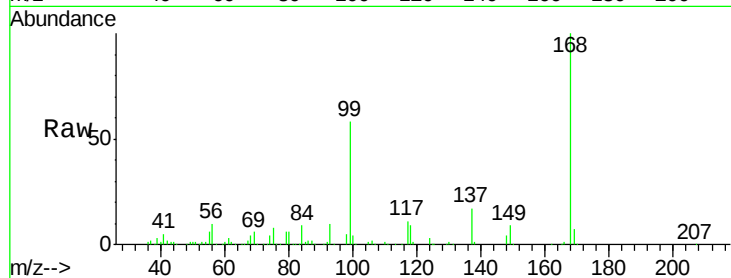
99 57.6 45.5 68.3

Manual Integrations

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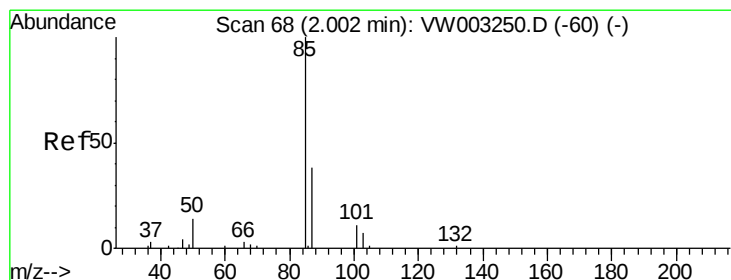
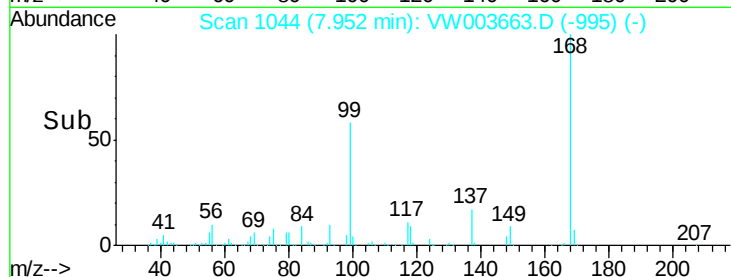
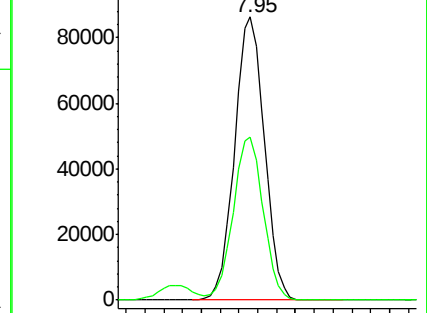
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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 7.39 ug/l m

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003663.D

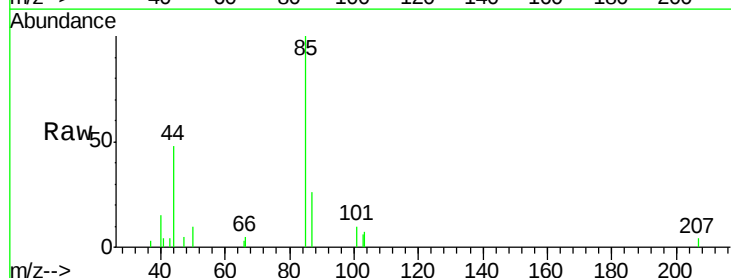
Acq: 29 Jun 2018 16:24

Tgt Ion: 85 Resp: 4234

Ion Ratio Lower Upper

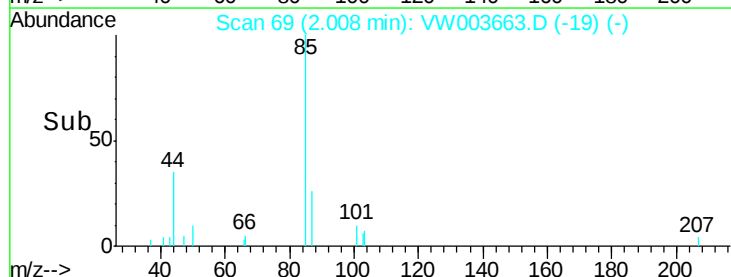
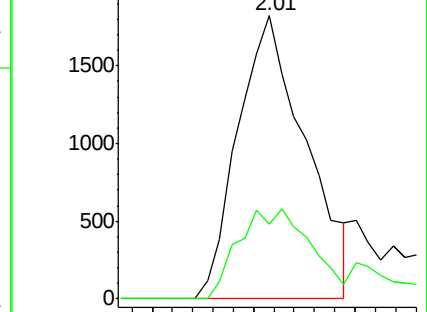
85 100

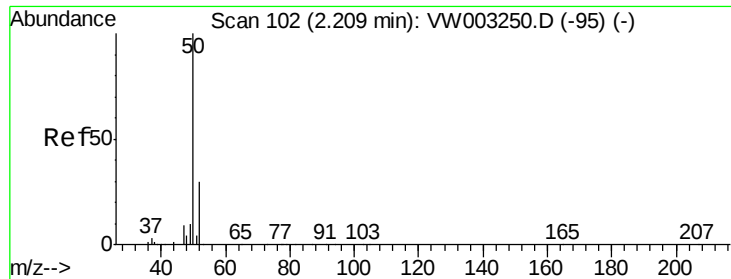
87 26.5 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 6.96 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion: 50 Resp: 10089

Ion Ratio Lower Upper

50 100

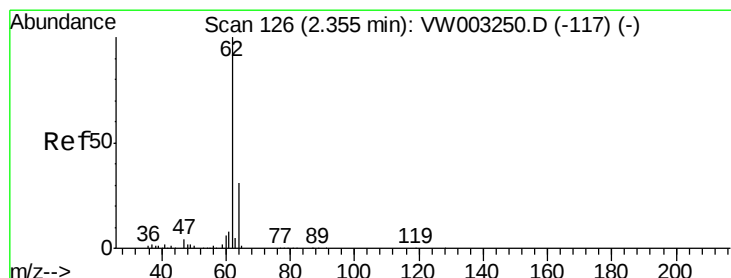
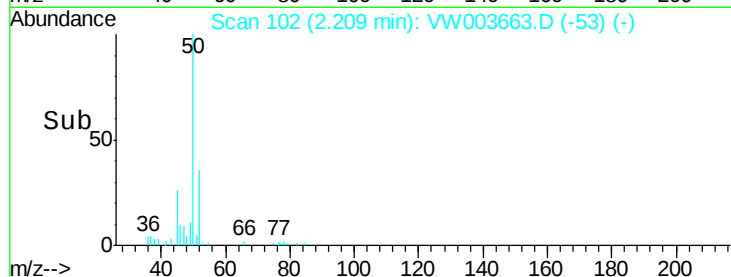
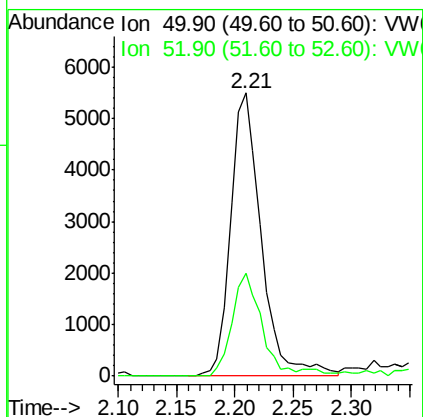
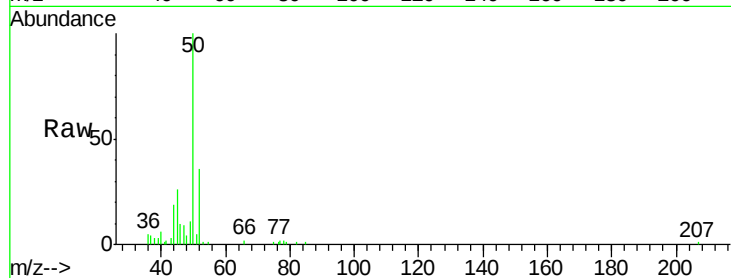
52 36.2 24.2 36.2

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#4

Vinyl Chloride

Concen: 6.70 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003663.D

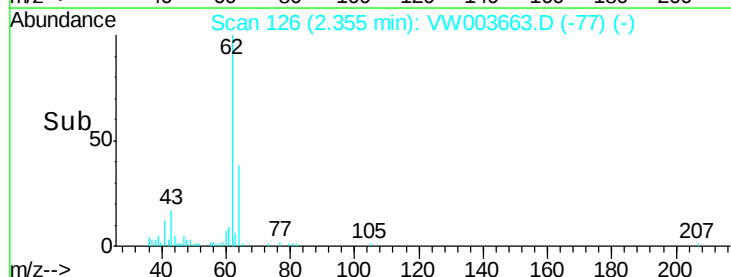
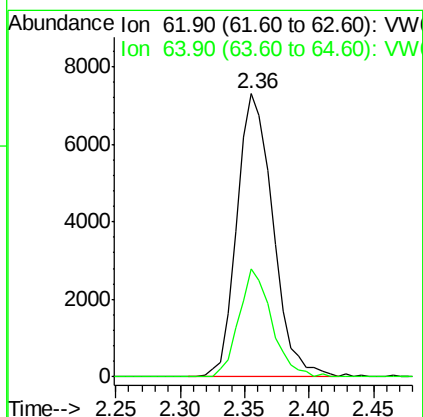
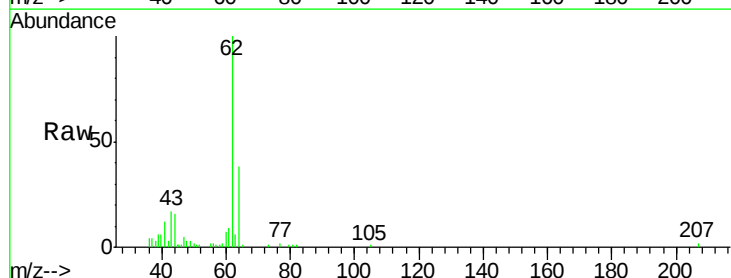
Acq: 29 Jun 2018 16:24

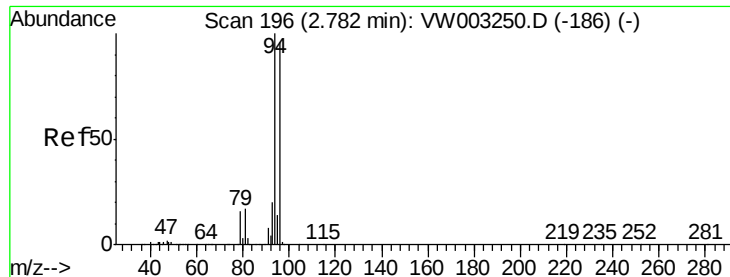
Tgt Ion: 62 Resp: 14143

Ion Ratio Lower Upper

62 100

64 38.4 24.9 37.3#





#5

Bromomethane

Concen: 6.35 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

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Tot Ion: 94 Resp: 8910

Ion Ratio Lower Upper

94 100

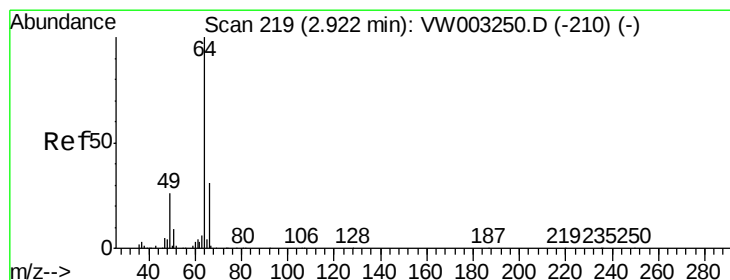
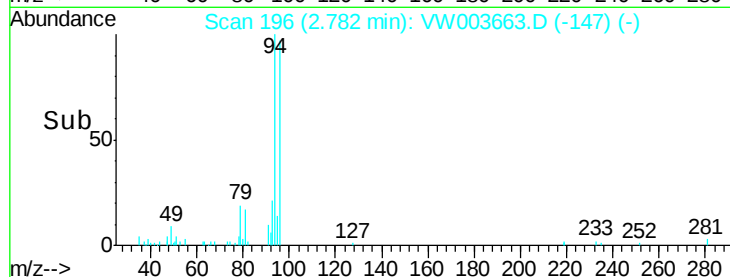
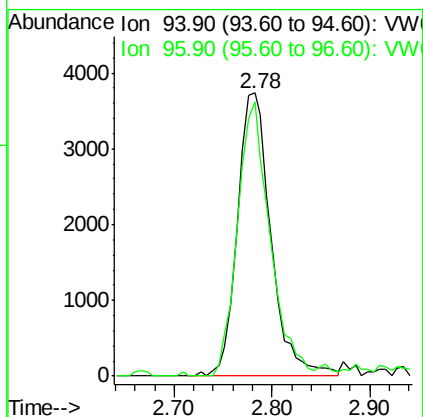
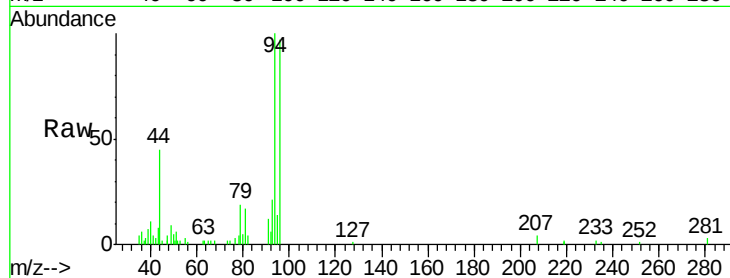
96 97.0 76.5 114.7

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#6

Chloroethane

Concen: 5.88 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003663.D

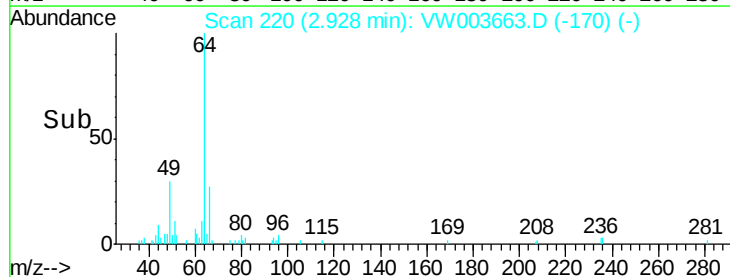
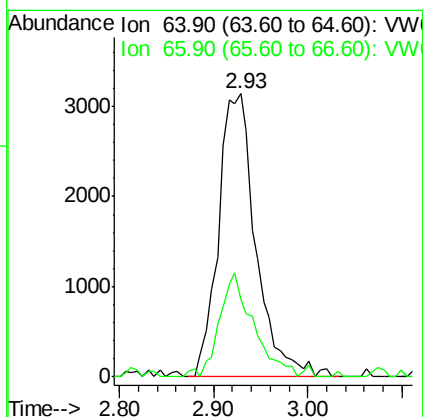
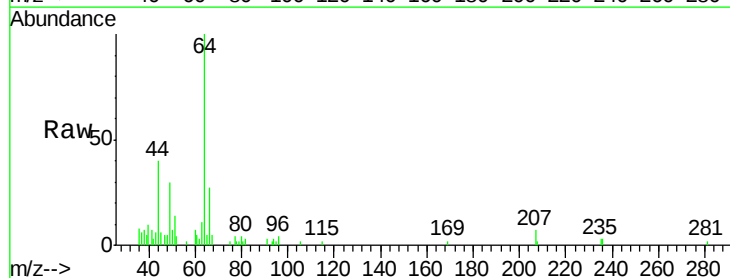
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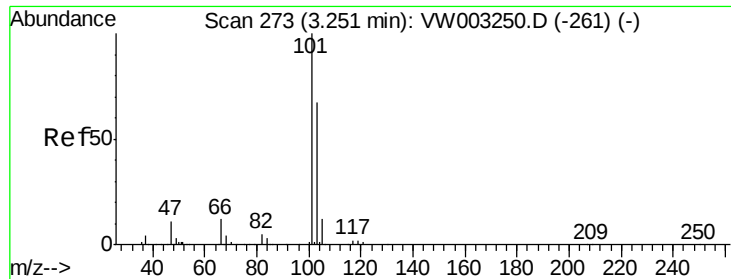
Tgt Ion: 64 Resp: 8647

Ion Ratio Lower Upper

64 100

66 25.4 24.4 36.6





#7

Trichlorofluoromethane

Concen: 6.17 ug/l

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 7804

Ion Ratio Lower Upper

101 100

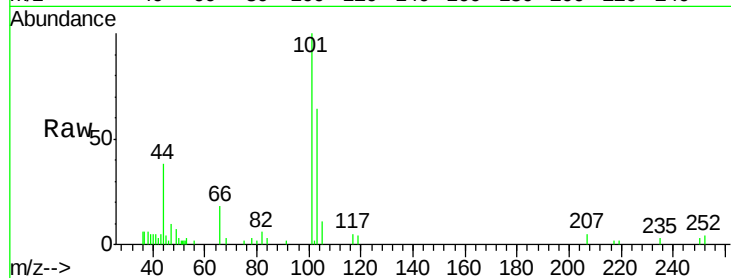
103 64.1 53.4 80.0

Manual Integrations

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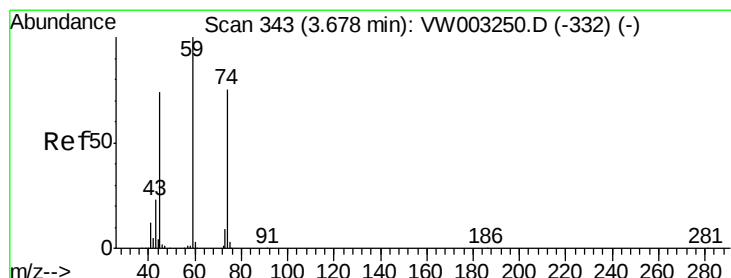
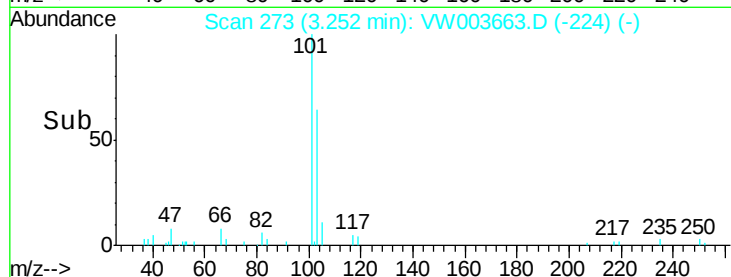
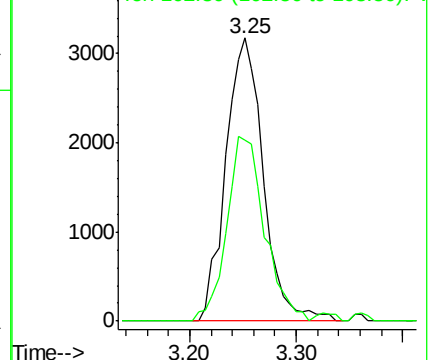
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 6.96 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.01 min

Lab File: VW003663.D

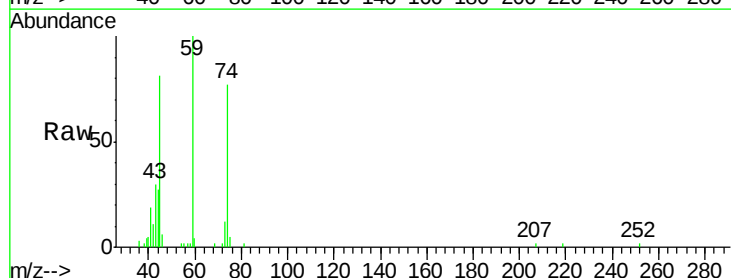
Acq: 29 Jun 2018 16:24

Tgt Ion: 74 Resp: 6468

Ion Ratio Lower Upper

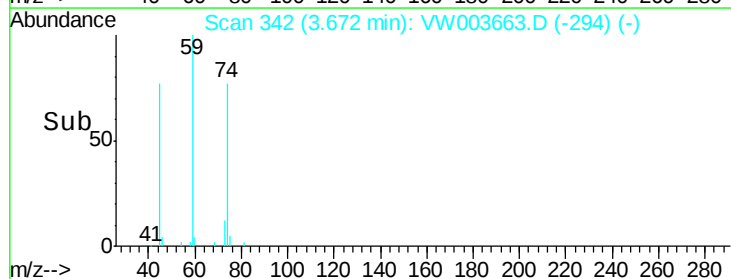
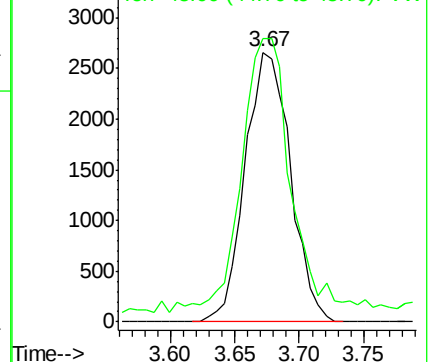
74 100

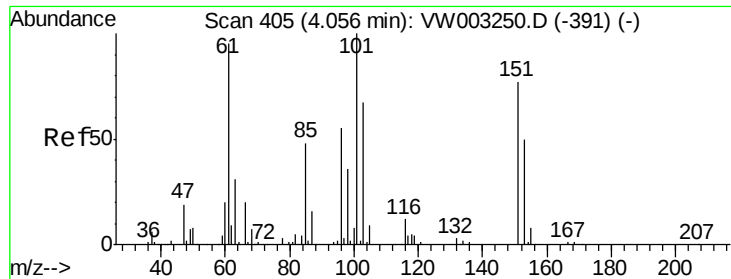
45 113.8 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.74 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

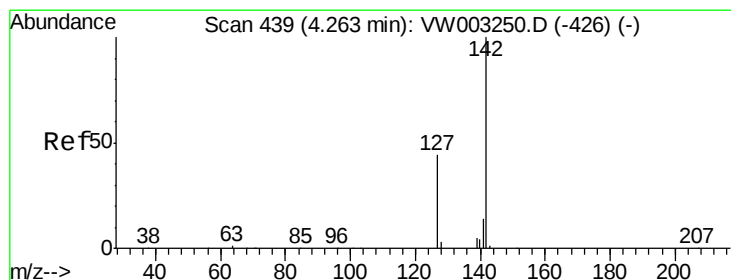
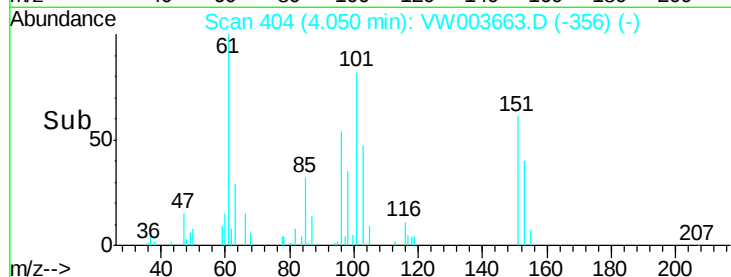
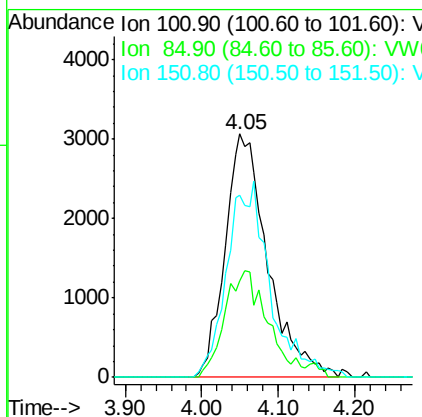
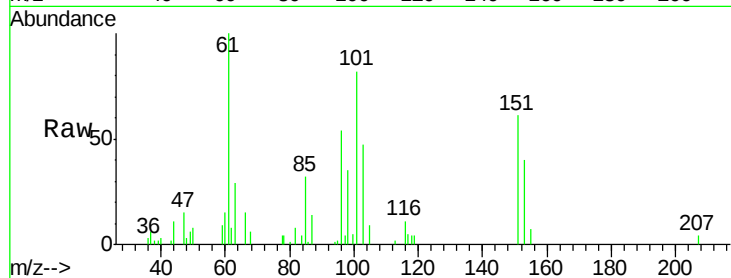
ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion:	101	Resp:	11835
Ion Ratio	Lower	Upper	
101	100		
85	44.0	37.0	55.6
151	81.2	63.3	94.9

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#10

Methyl Iodide

Concen: 6.17 ug/l

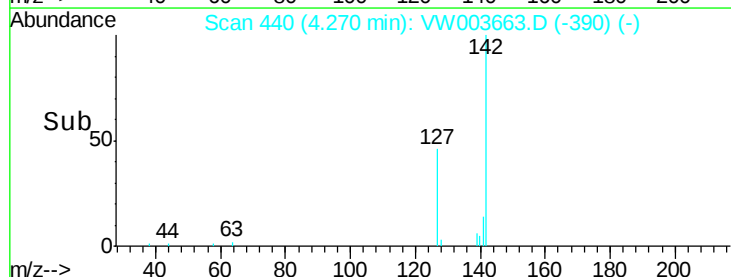
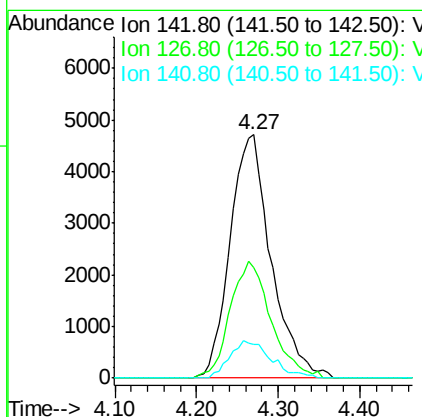
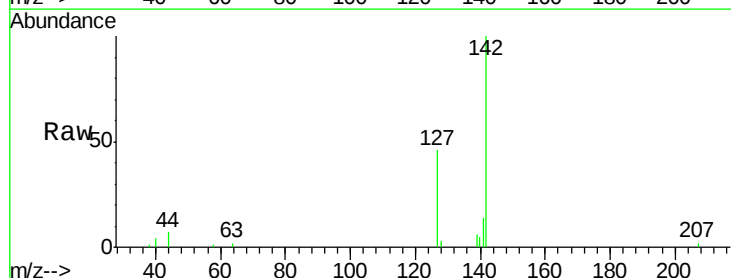
RT: 4.27 min Scan# 440

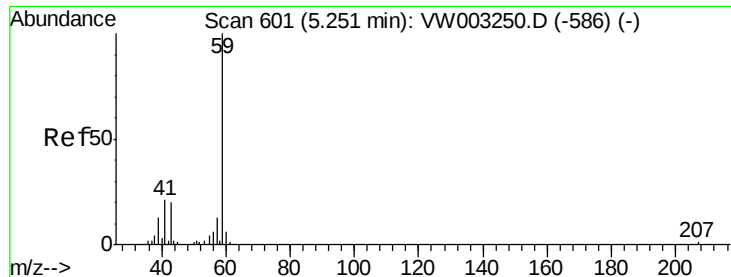
Delta R.T. 0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tgt Ion:	142	Resp:	16403
Ion Ratio	Lower	Upper	
142	100		
127	47.9	36.5	54.7
141	15.5	12.1	18.1





#11

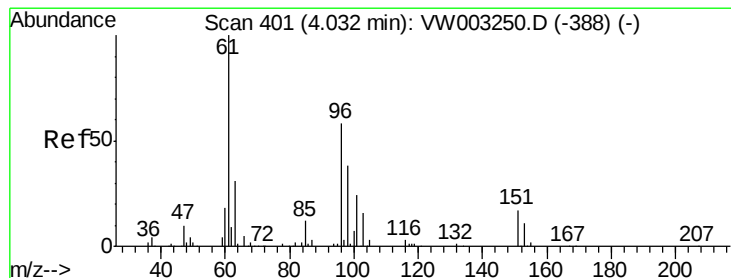
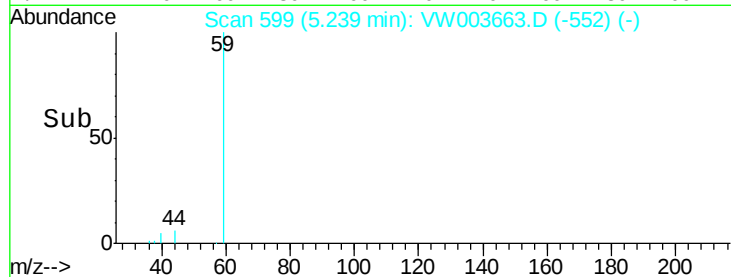
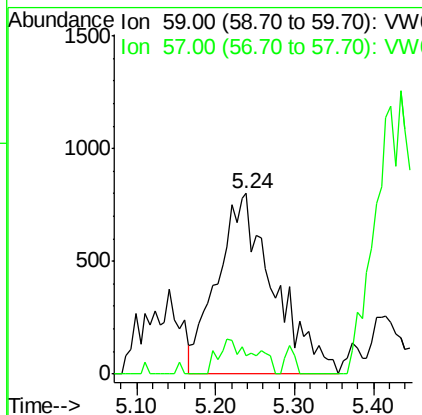
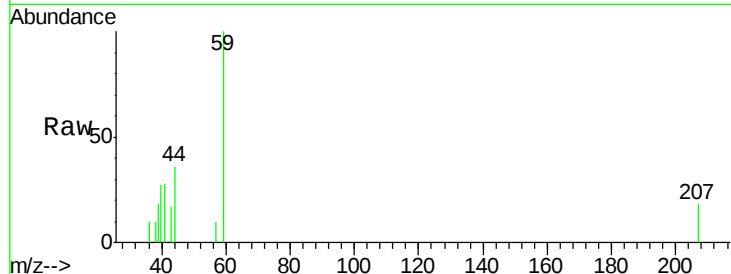
Tert butyl alcohol
 Concen: 36.14 ug/l
 RT: 5.24 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.2	6.2#

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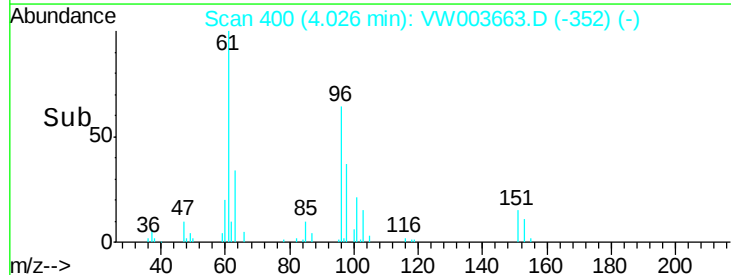
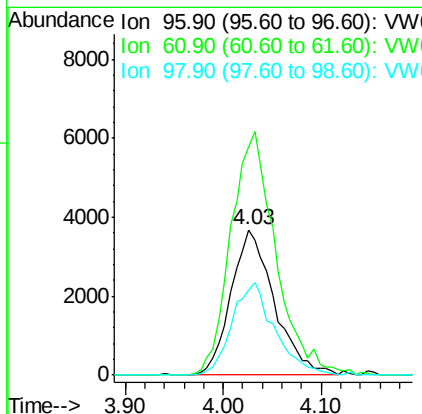
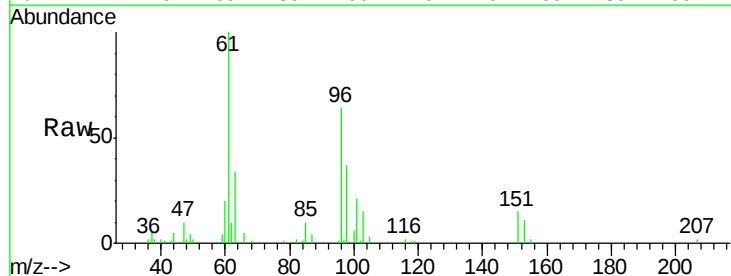
apatel
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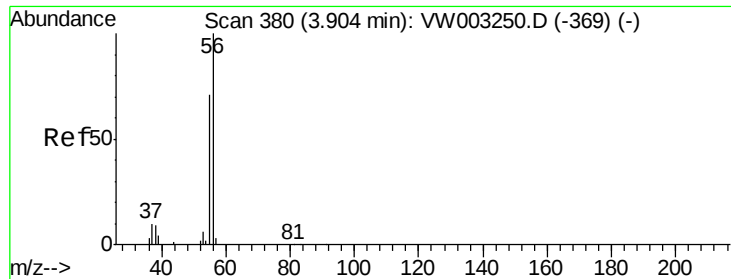


#12

1,1-Dichloroethene
 Concen: 6.62 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	139.0	208.4
98	58.6	53.3	79.9





#13

Acrolein

Concen: 18.83 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion: 56 Resp: 2965

Ion Ratio Lower Upper

56 100

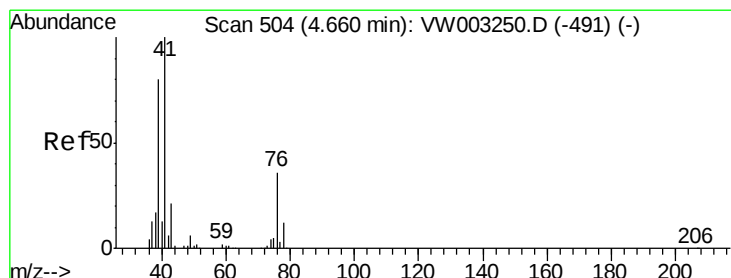
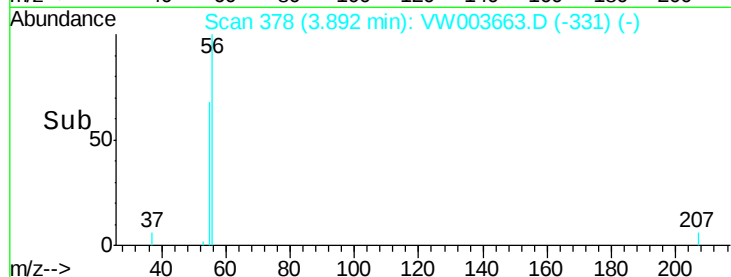
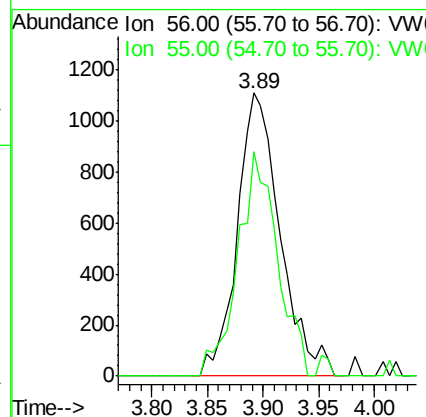
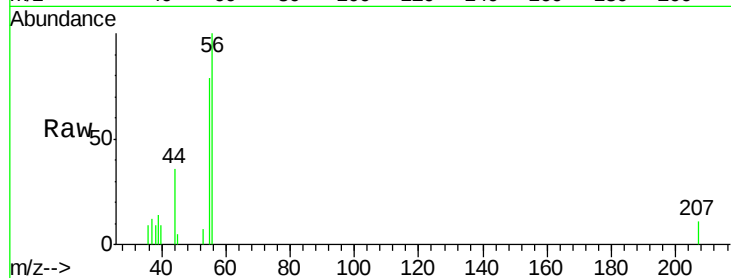
55 73.6 55.4 83.2

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#14

Allyl chloride

Concen: 6.08 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

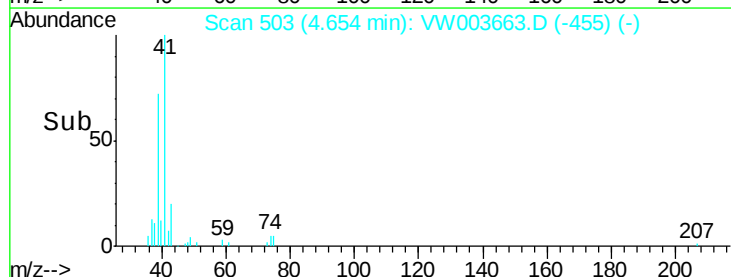
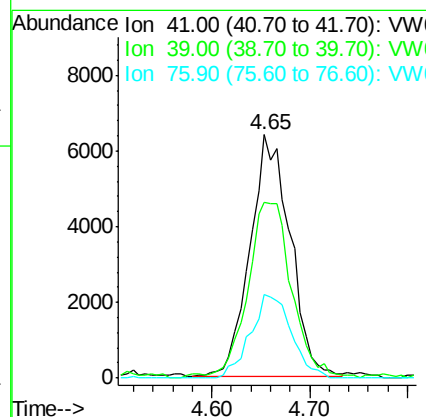
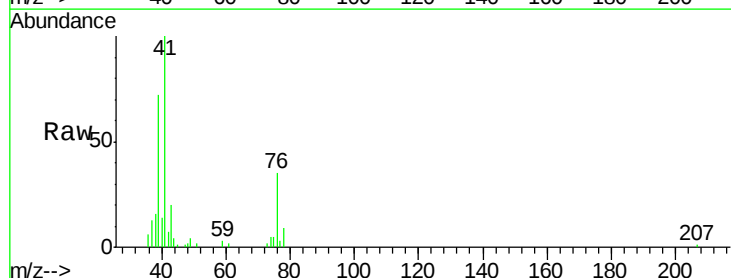
Tgt Ion: 41 Resp: 18085

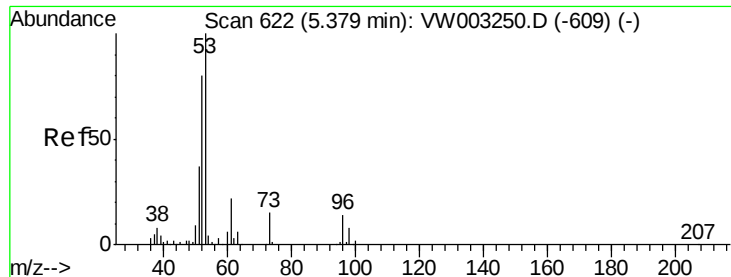
Ion Ratio Lower Upper

41 100

39 80.9 63.2 94.8

76 35.6 28.0 42.0





#15

Acrylonitrile

Concen: 32.13 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

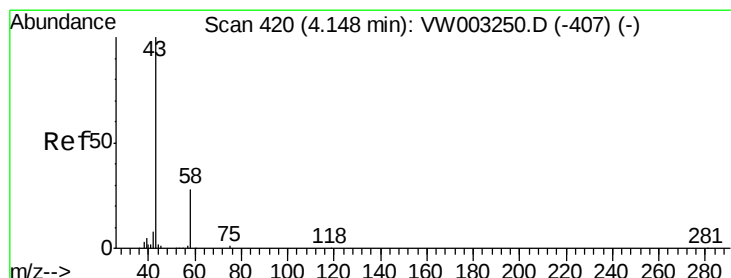
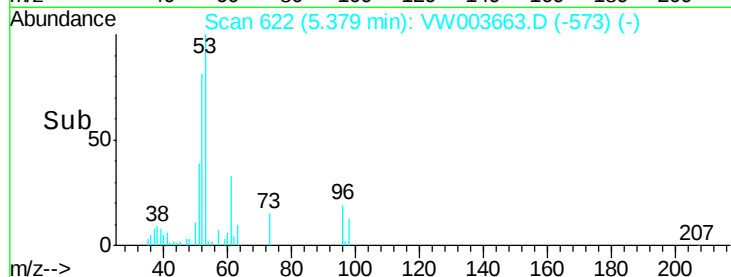
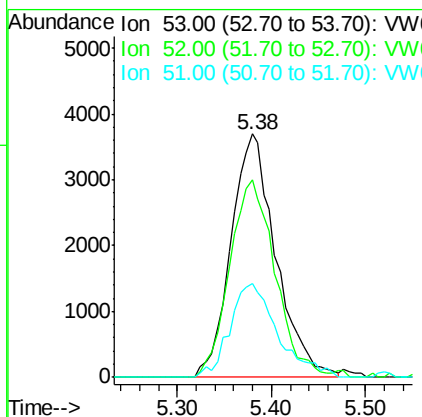
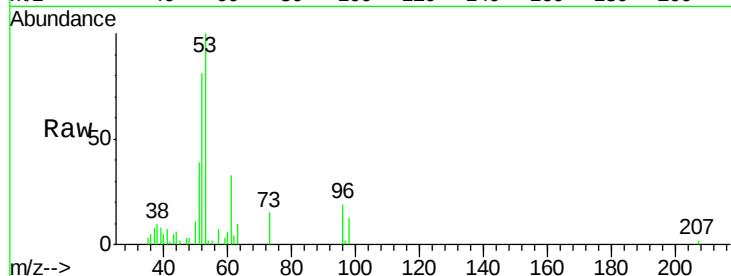
ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion:	53	Resp:	12286
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	100.0
51	41.0	30.6	46.0

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#16

Acetone

Concen: 38.28 ug/l

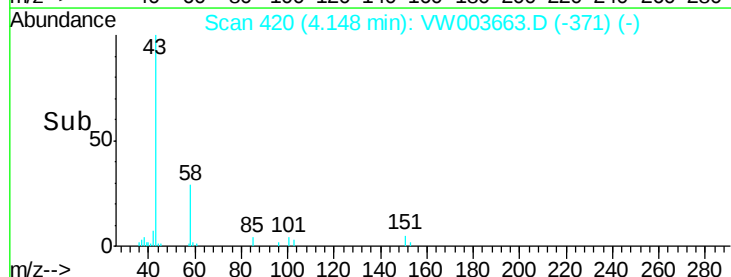
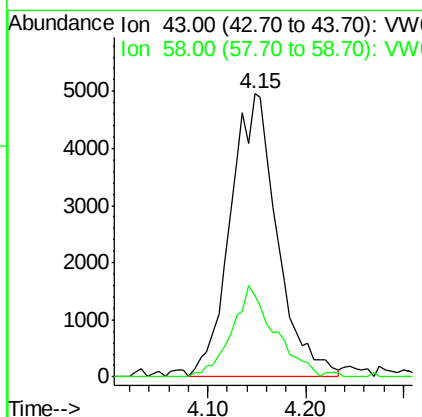
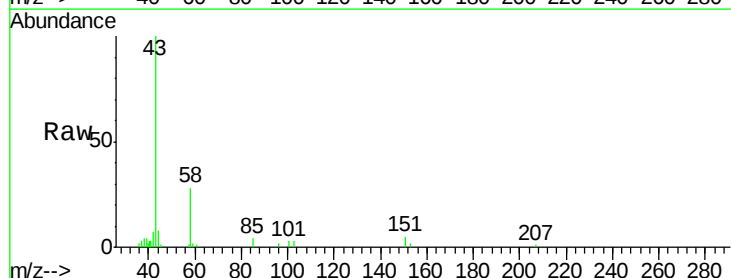
RT: 4.15 min Scan# 420

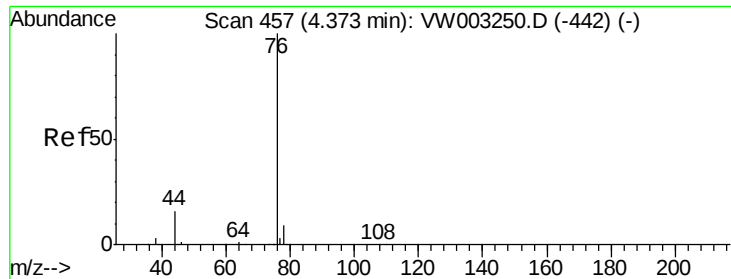
Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tgt Ion:	43	Resp:	16492
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.6	34.0





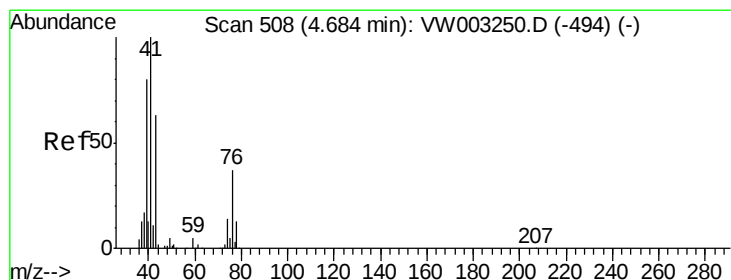
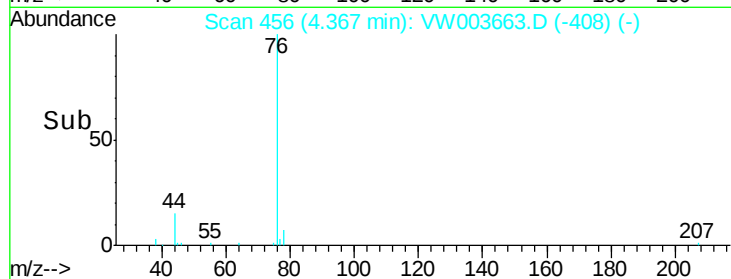
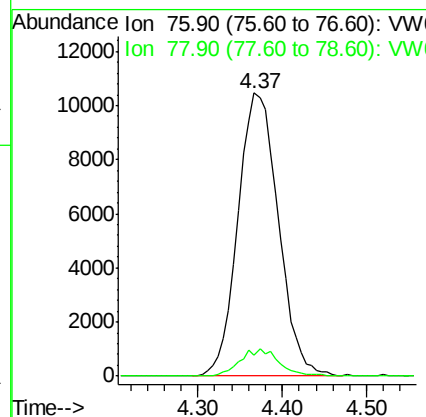
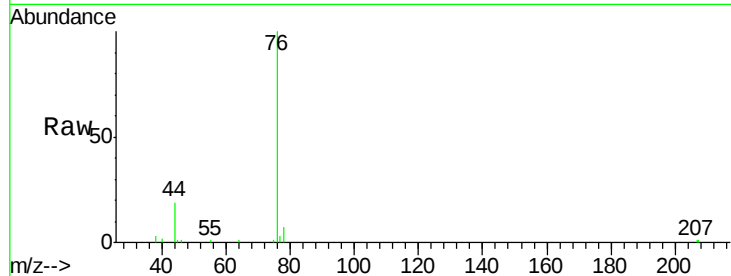
#17
Carbon Disulfide
Concen: 6.72 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.5	7.1	10.7

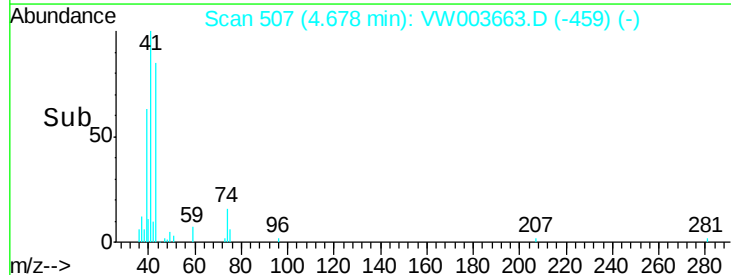
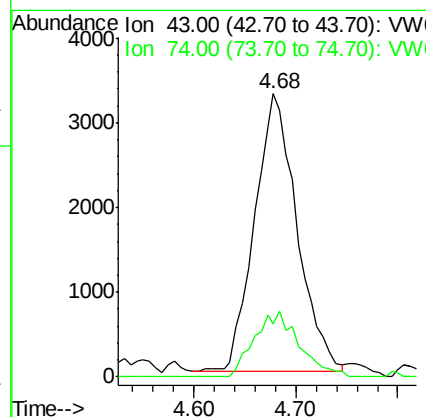
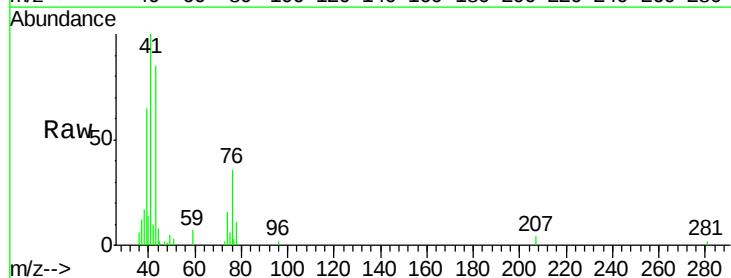
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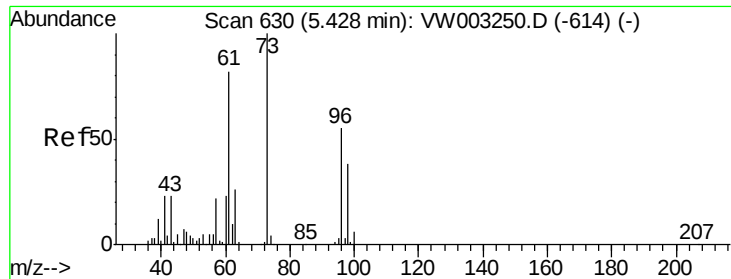
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#18
Methyl Acetate
Concen: 9.26 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.7	28.1





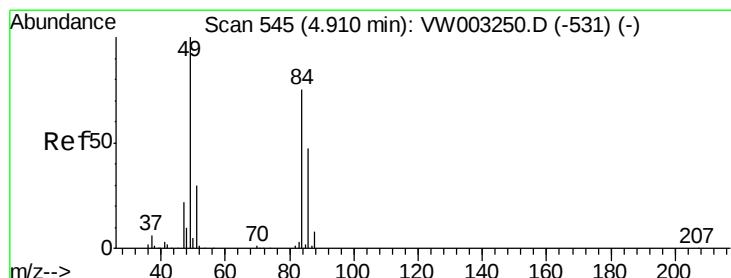
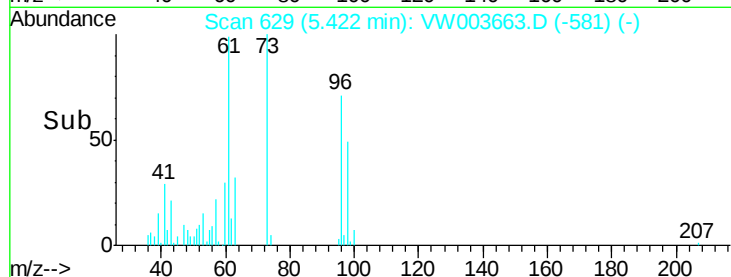
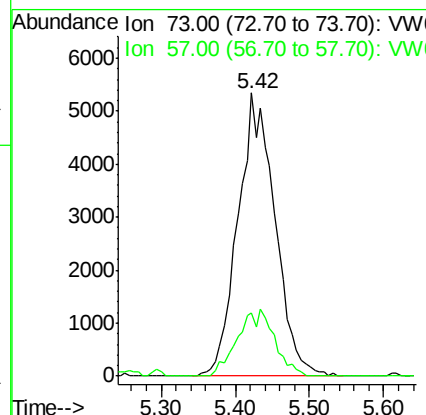
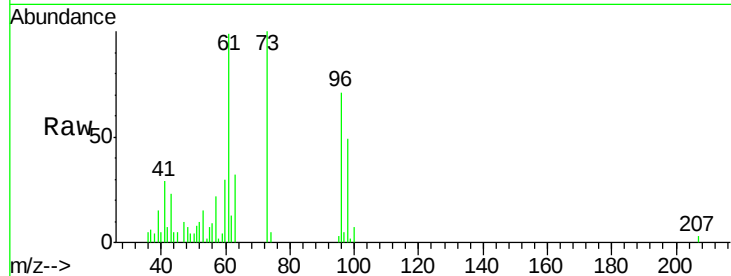
#19
Methvl tert-butvl Ether
Concen: 5.79 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion: 73 Resp: 18625
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0

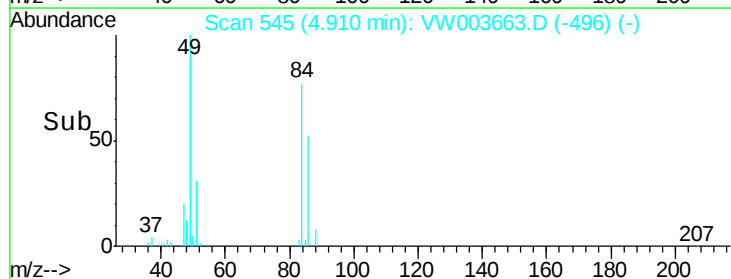
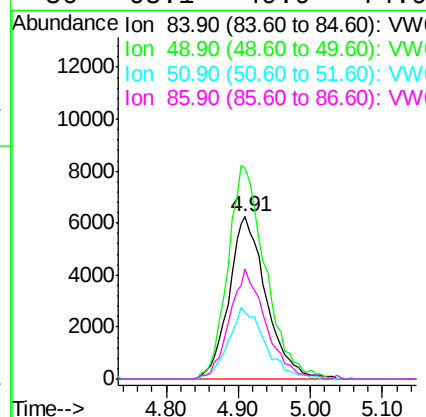
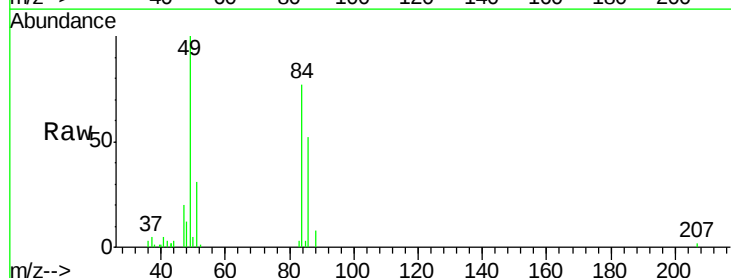
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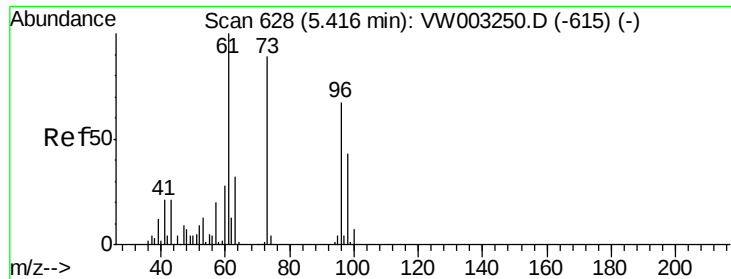
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#20
Methylene Chloride
Concen: 9.26 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 84 Resp: 22424
Ion Ratio Lower Upper
84 100
49 130.2 106.3 159.5
51 41.0 32.0 48.0
86 68.1 49.9 74.9





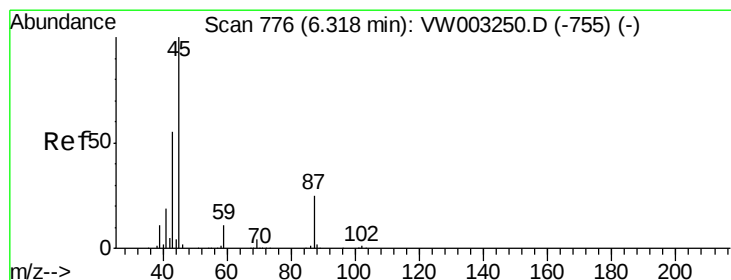
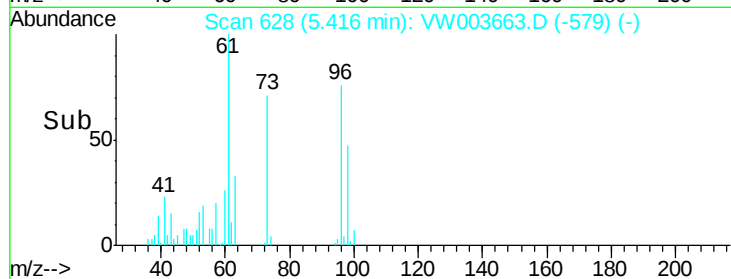
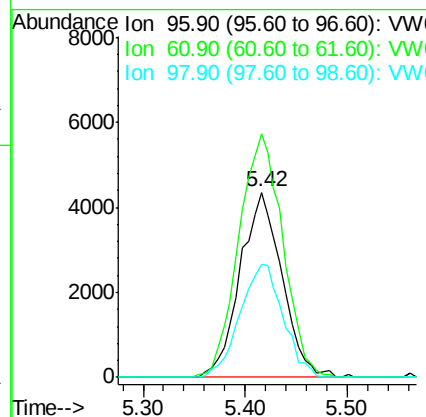
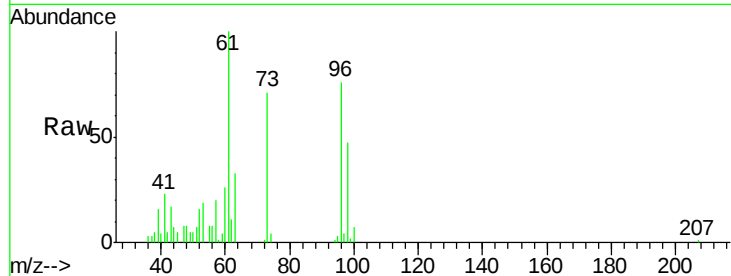
#21
trans-1,2-Dichloroethene
Concen: 6.63 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	118.7	178.1
98	61.3	51.0	76.6

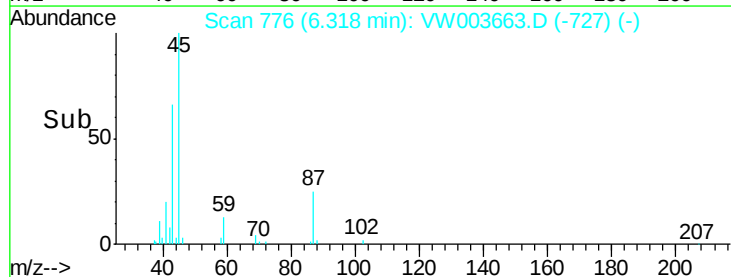
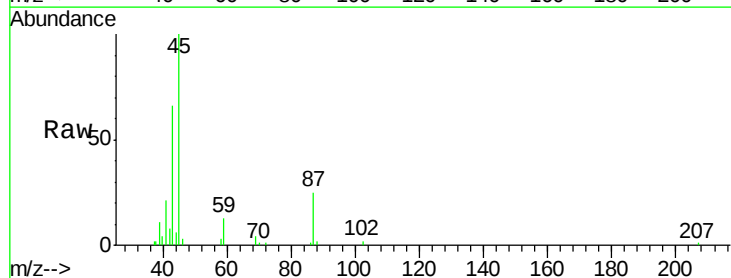
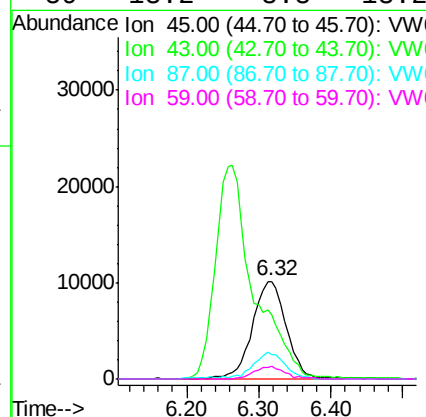
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#22
Diisopropyl ether
Concen: 5.55 ug/l
RT: 6.32 min Scan# 776
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	44.0	66.0
87	25.4	20.6	31.0
59	13.2	8.8	13.2#





#23

Vinyl Acetate

Concen: 23.88 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tot Ion: 43 Resp: 82369

Ion Ratio Lower Upper

43 100

86 8.0 7.5 11.3

Instrument :

MSVOA_W

ClientSampleId :

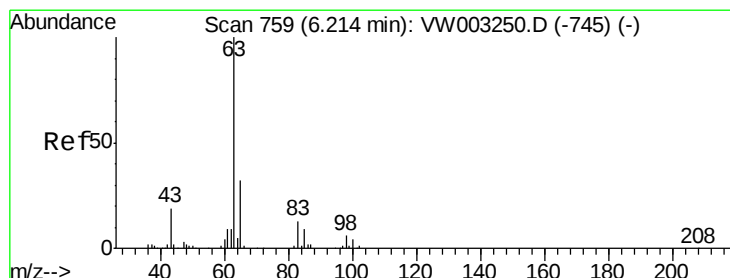
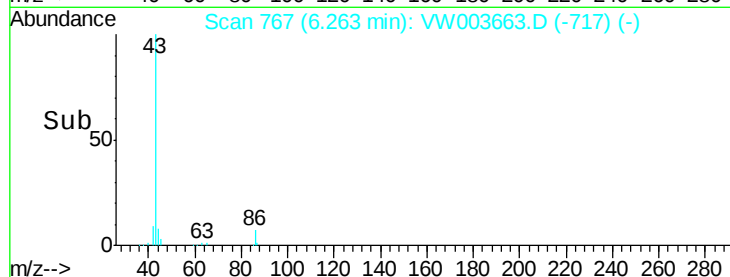
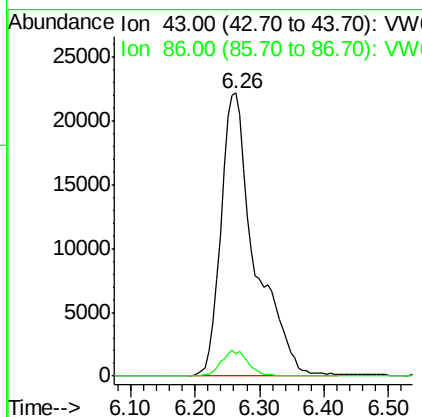
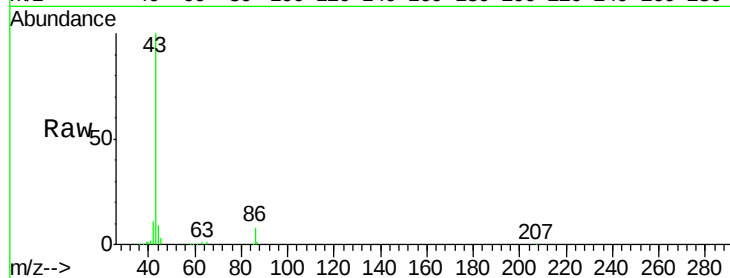
LOQ-SCM-Precision-Bias-4

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#24

1,1-Dichloroethane

Concen: 6.51 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

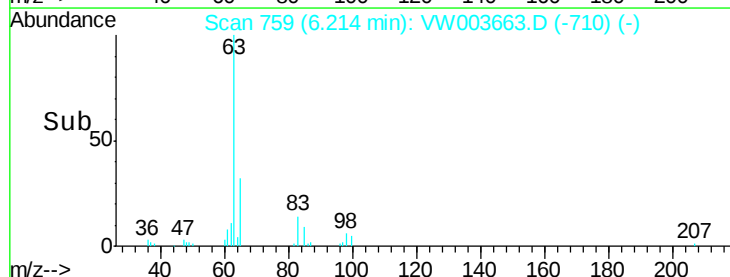
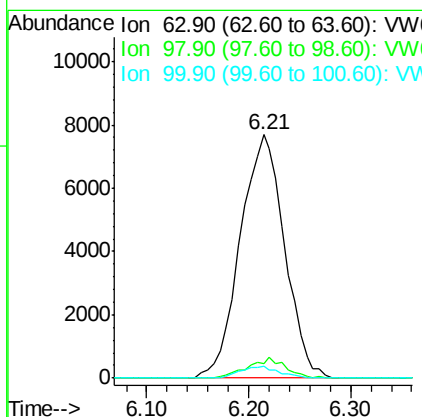
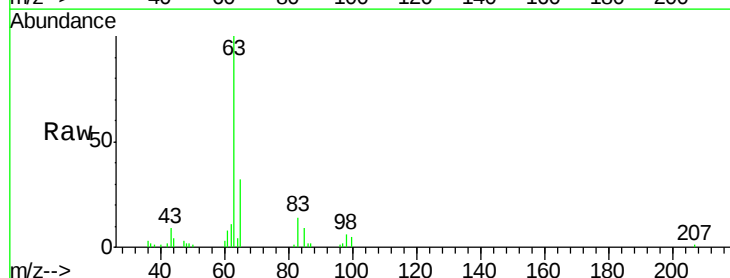
Tgt Ion: 63 Resp: 23132

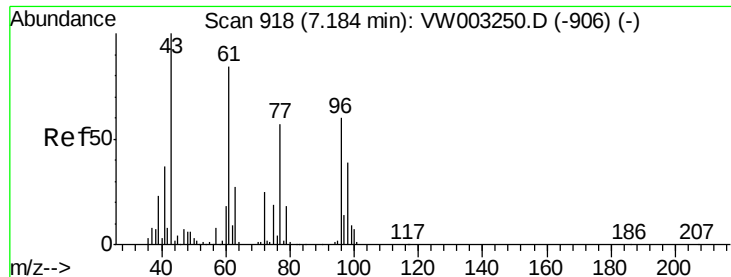
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 34.87 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion: 43 Resp: 18677

Ion Ratio Lower Upper

43 100

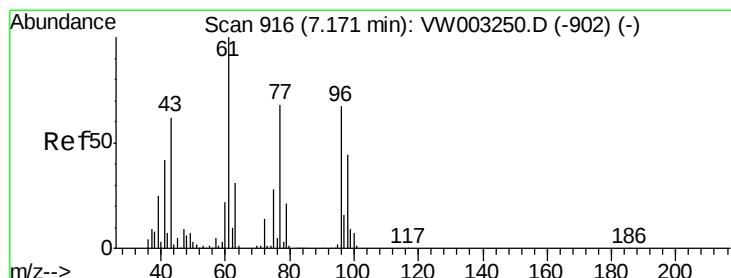
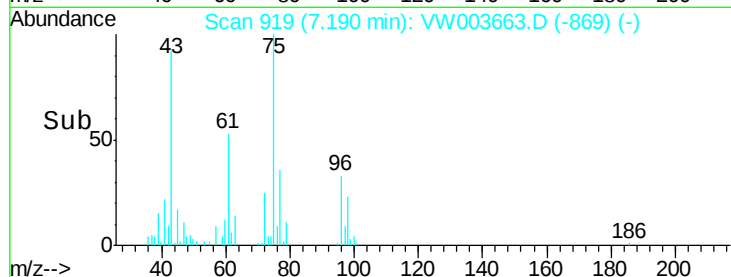
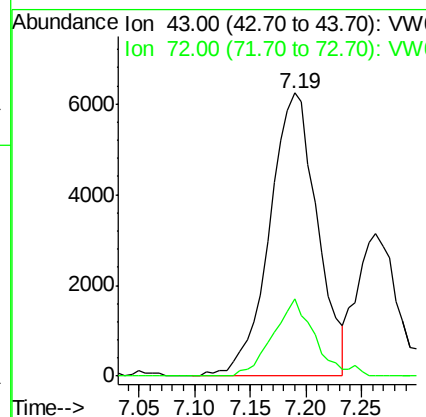
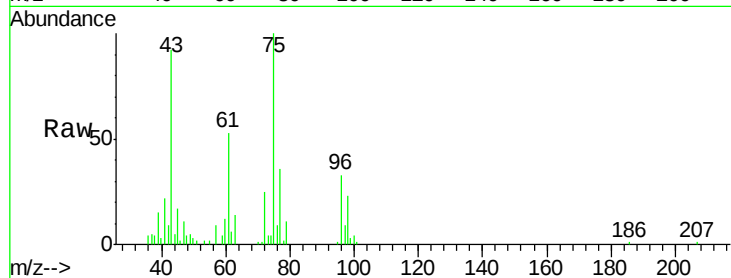
72 27.5 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 6.78 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003663.D

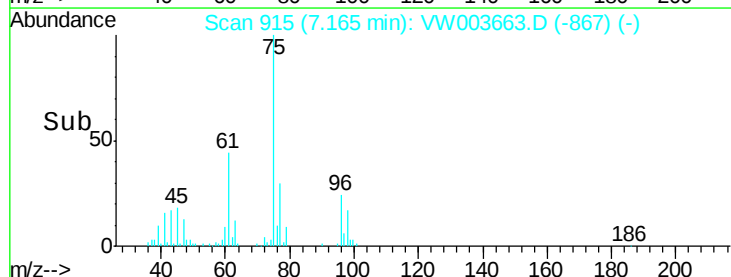
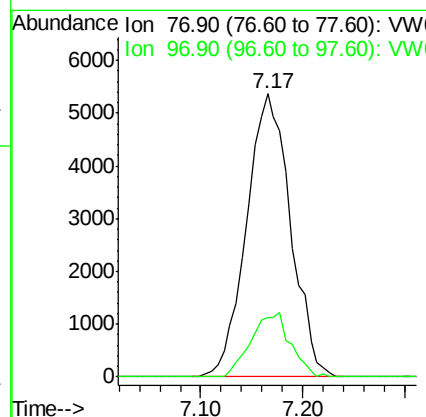
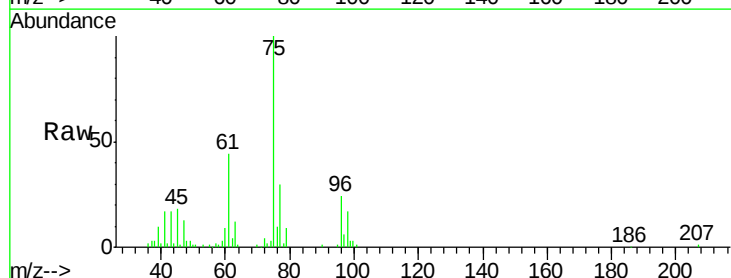
Acq: 29 Jun 2018 16:24

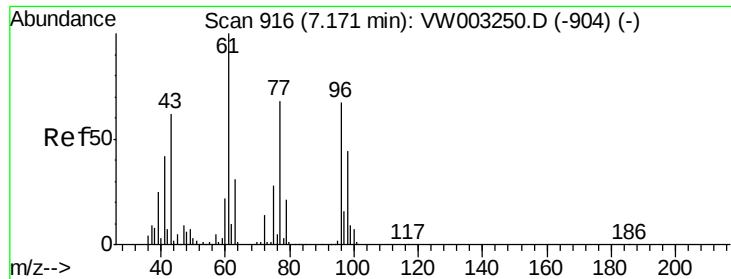
Tgt Ion: 77 Resp: 16069

Ion Ratio Lower Upper

77 100

97 20.3 11.3 33.9





#27

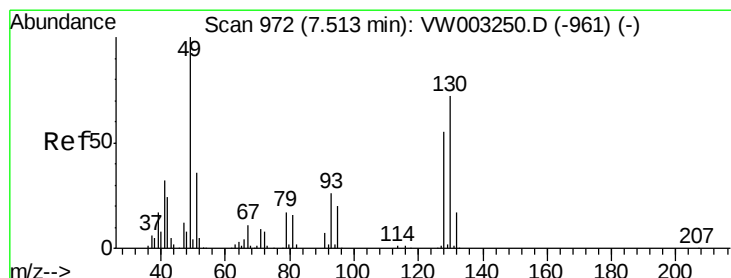
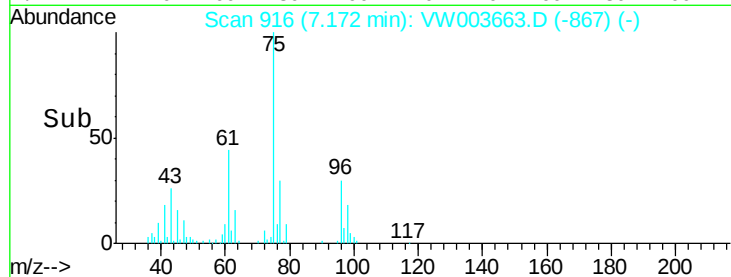
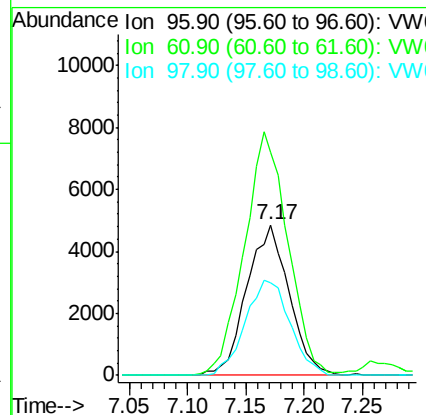
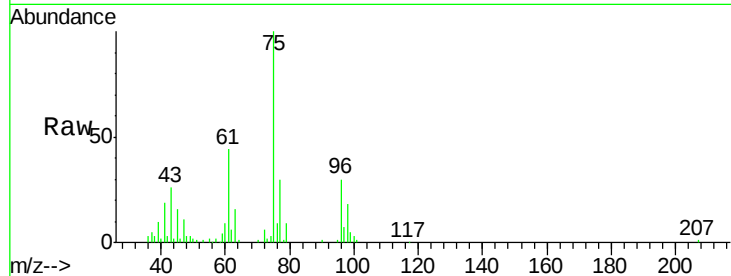
cis-1,2-Dichloroethene
Concen: 5.98 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	298.8
98	66.8	0.0	130.4

Manual Integrations
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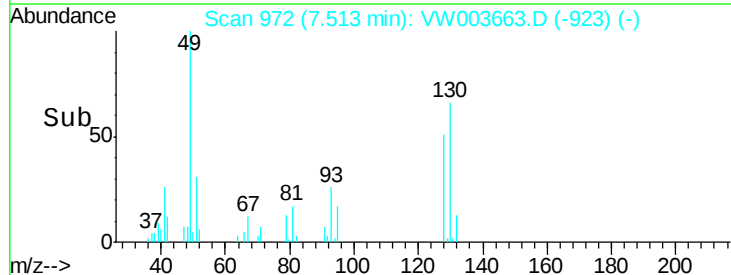
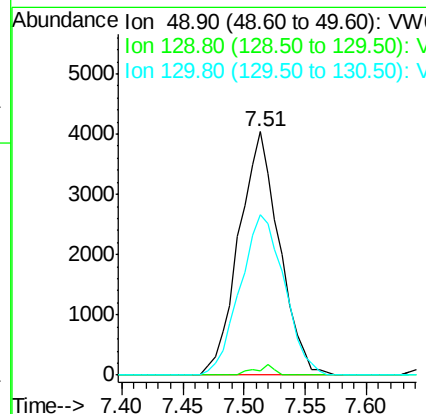
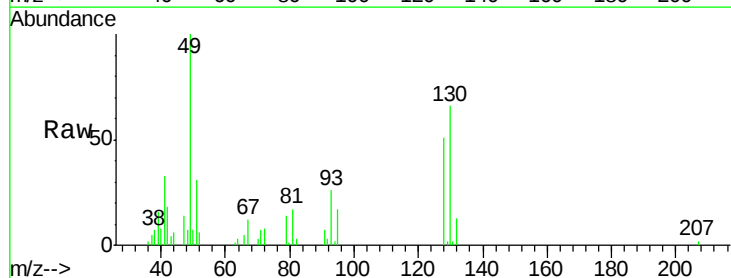
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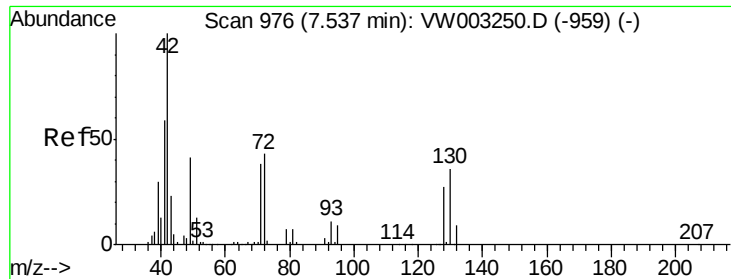


#28

Bromochloromethane
Concen: 6.28 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	71.7	59.4	89.2





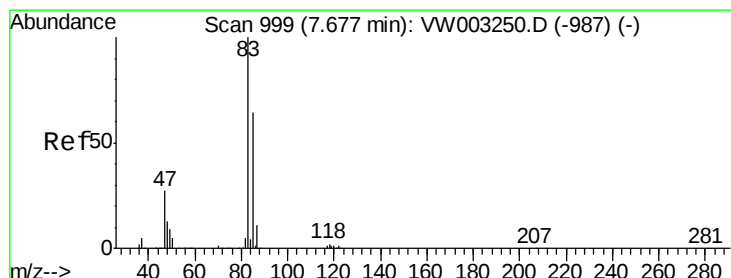
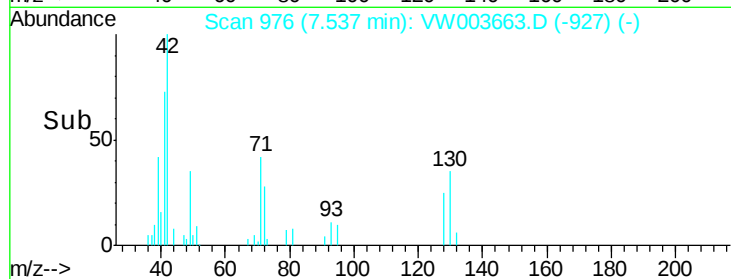
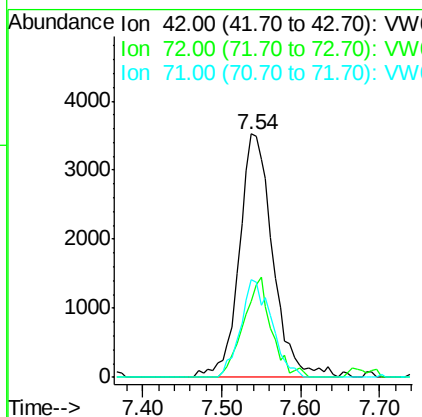
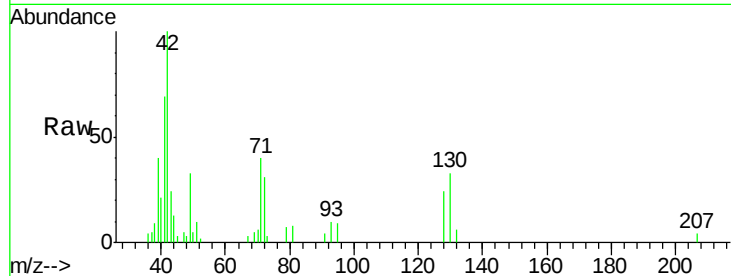
#29
Tetrahydrofuran
Concen: 31.87 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	32.4	48.6
71	36.8	31.2	46.8

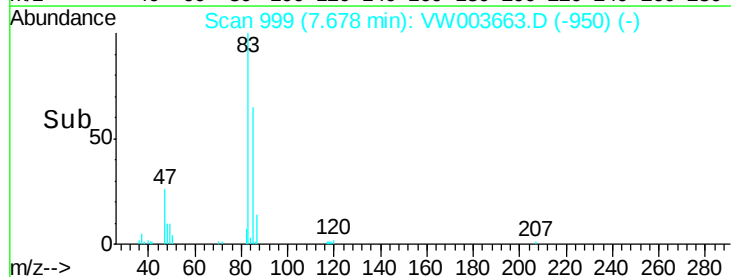
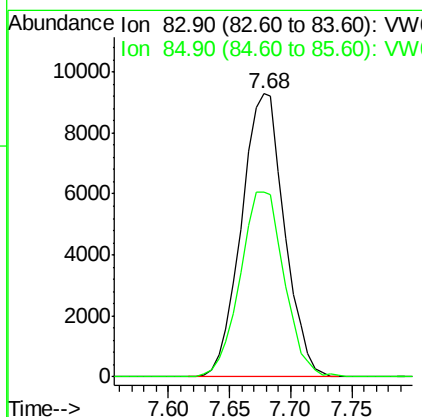
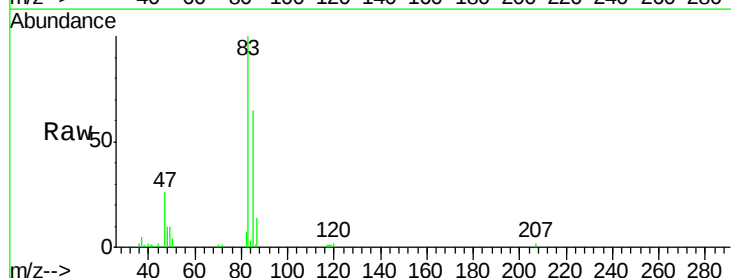
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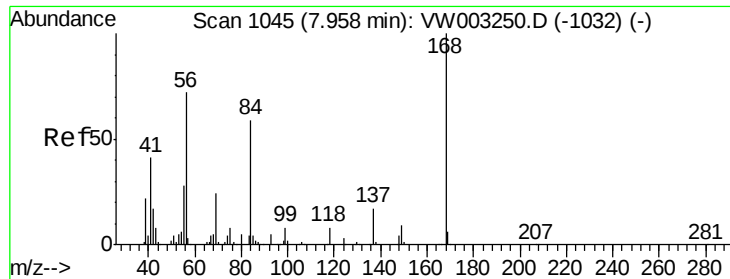
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#30
Chloroform
Concen: 6.27 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.3	76.9





#31

Cyclohexane

Concen: 6.73 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

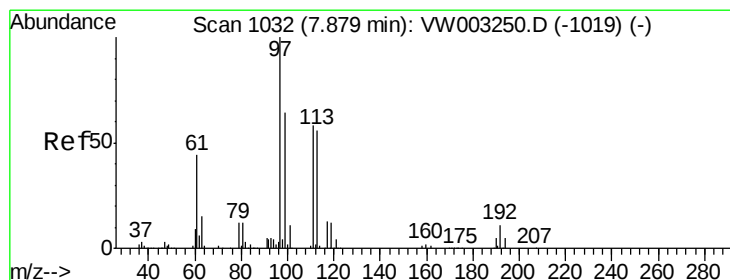
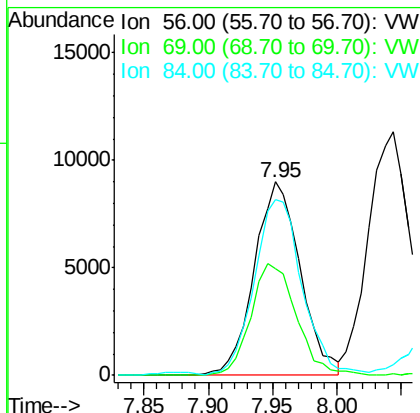
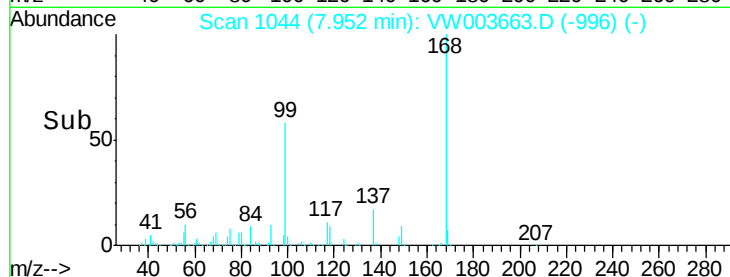
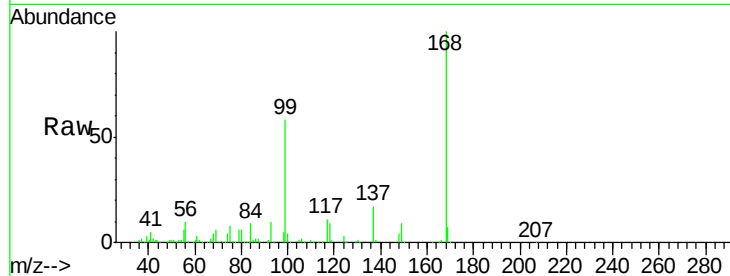
ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion:	56	Resp:	22339
Ion	Ratio	Lower	Upper
56	100		
69	55.2	26.3	39.5#
84	89.5	65.7	98.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 6.24 ug/l

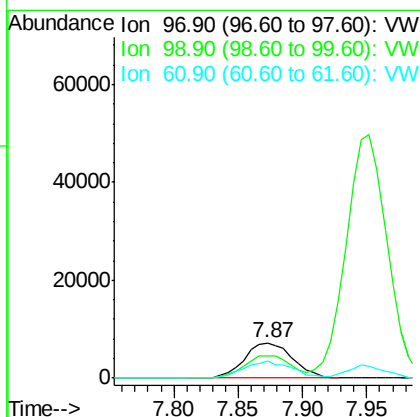
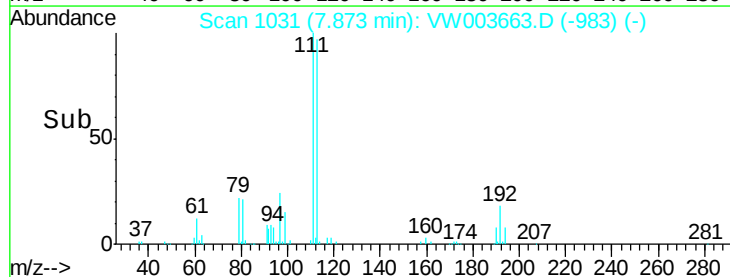
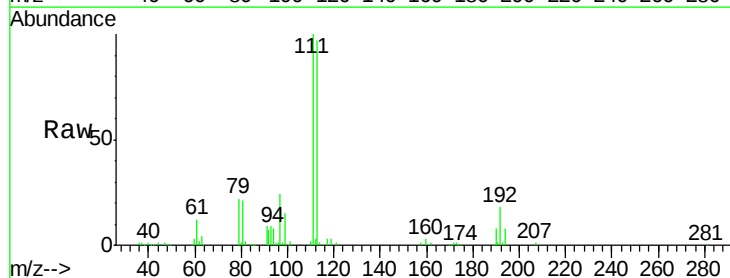
RT: 7.87 min Scan# 1031

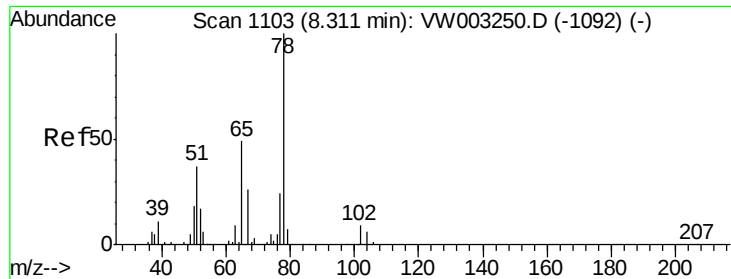
Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tgt Ion:	97	Resp:	18642
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.7	77.5
61	47.9	37.6	56.4





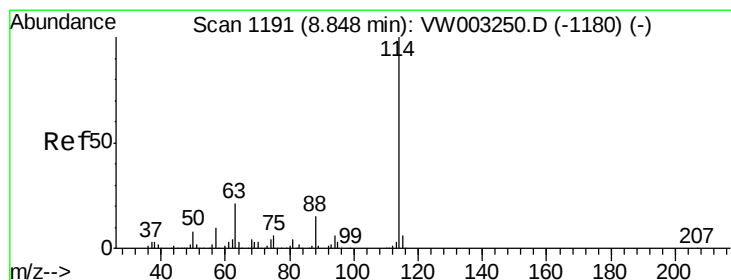
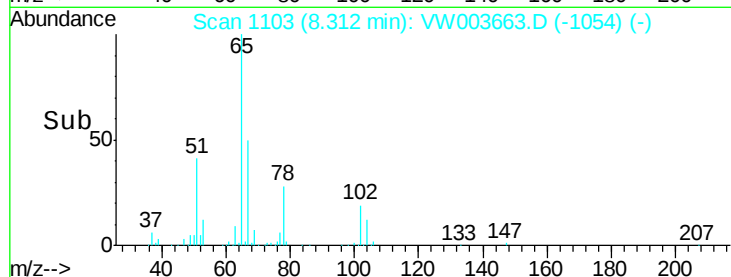
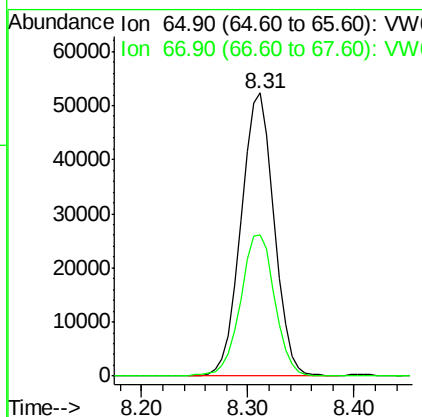
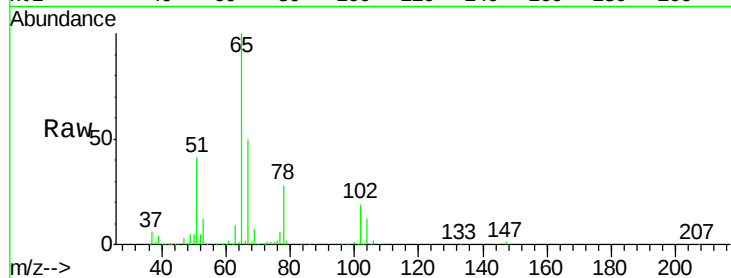
#33
 1,2-Dichloroethane-d4
 Concen: 55.58 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Resp	Lower	Upper
65	100	114172		
67	51.9	0.0	104.2	

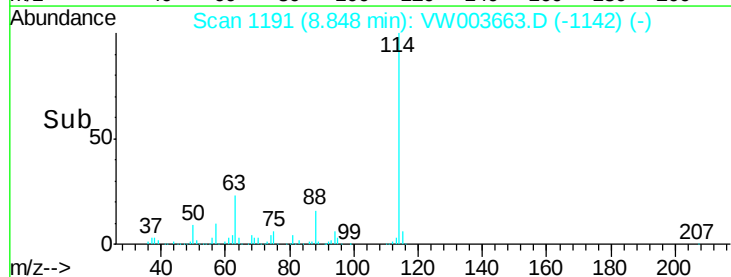
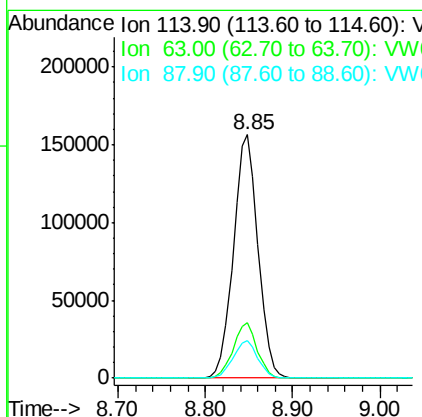
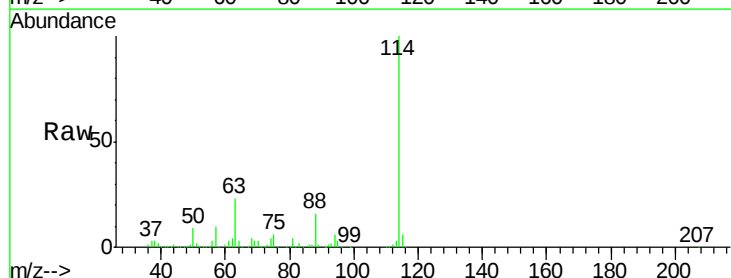
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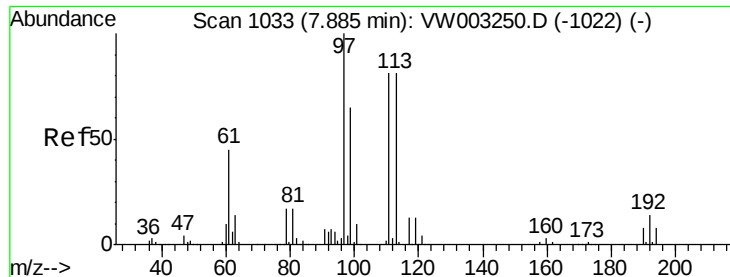
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	305022		
63	22.6	0.0	43.0	
88	15.7	0.0	29.6	





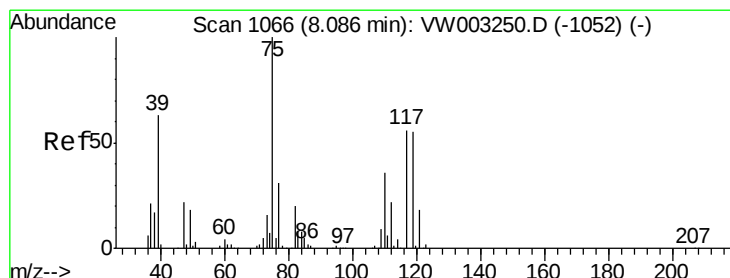
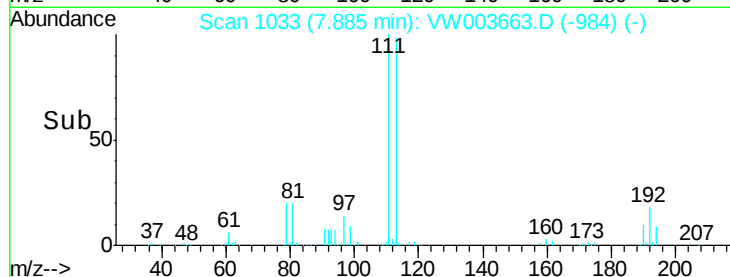
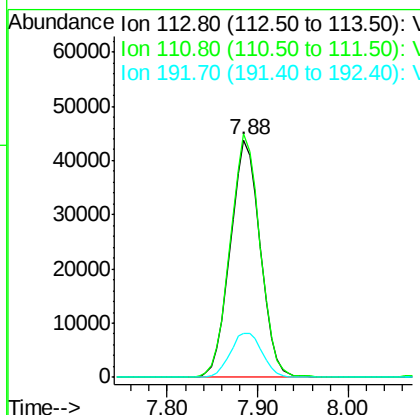
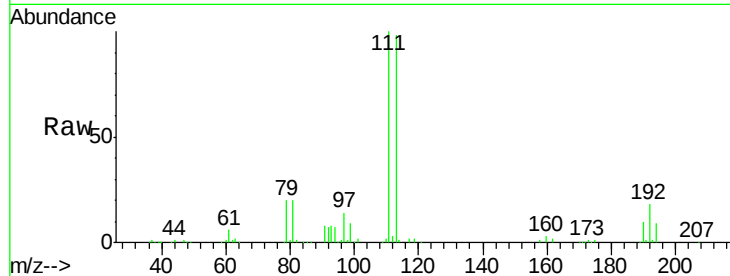
#35
 Dibromofluoromethane
 Concen: 53.04 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100527		
111	102.1	82.2	123.2	
192	19.8	16.2	24.2	

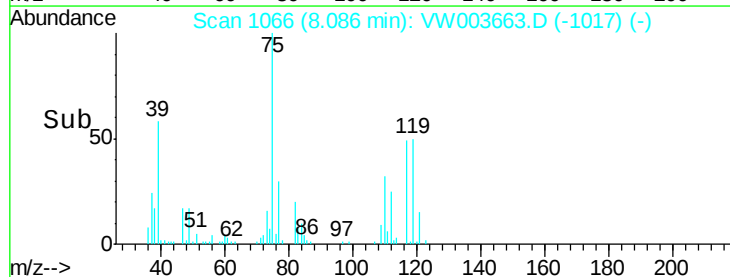
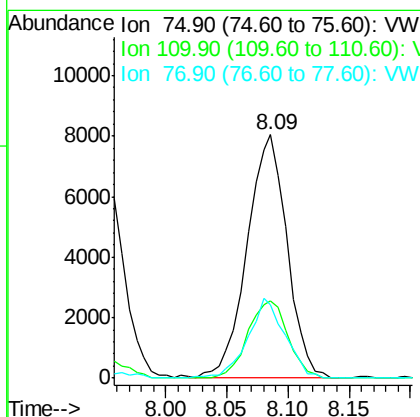
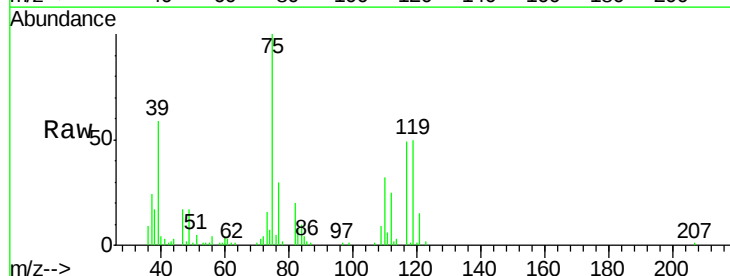
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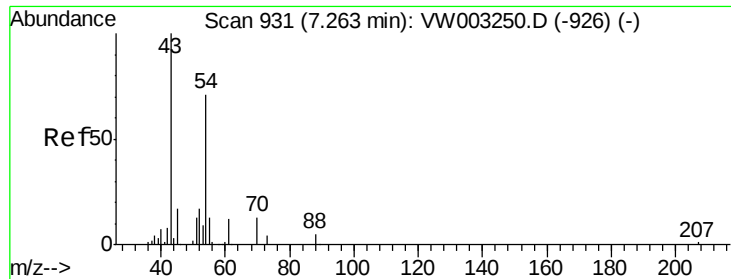
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#36
 1,1-Dichloropropene
 Concen: 6.20 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18275		
110	31.7	17.1	51.3	
77	30.6	24.9	37.3	





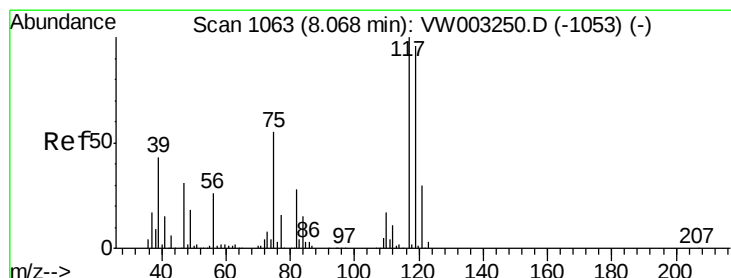
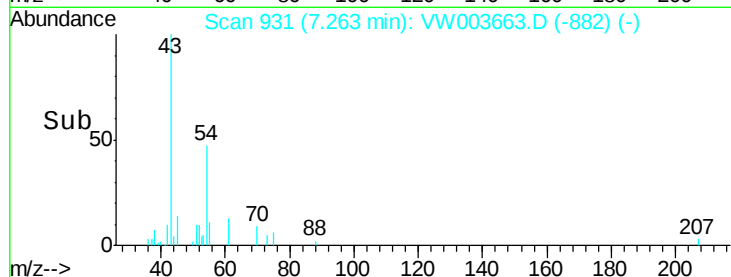
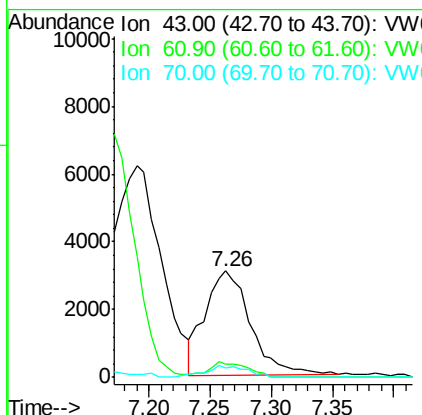
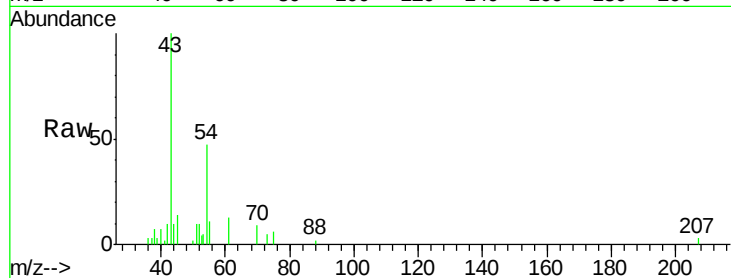
#37
Ethyl Acetate
Concen: 6.61 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.8	16.2
70	10.4	7.8	11.6

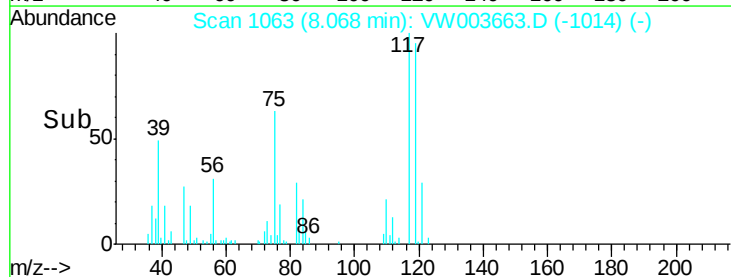
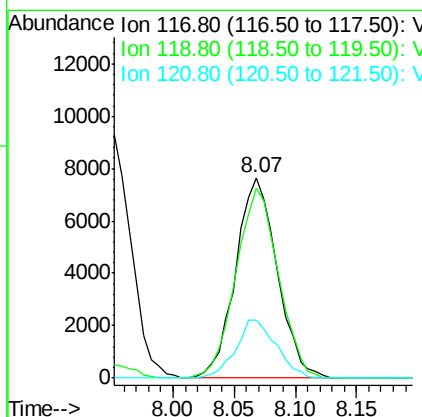
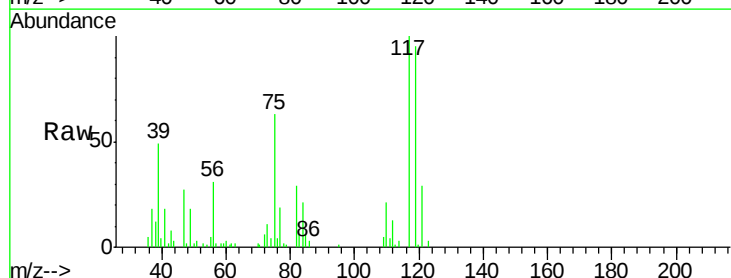
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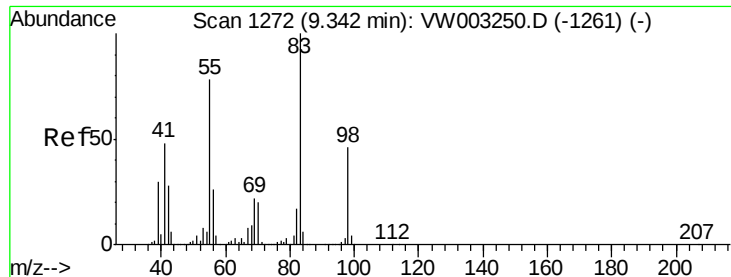
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#38
Carbon Tetrachloride
Concen: 6.24 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.6	115.0
121	29.2	23.9	35.9





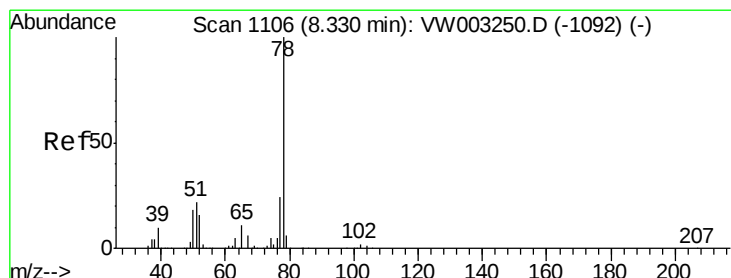
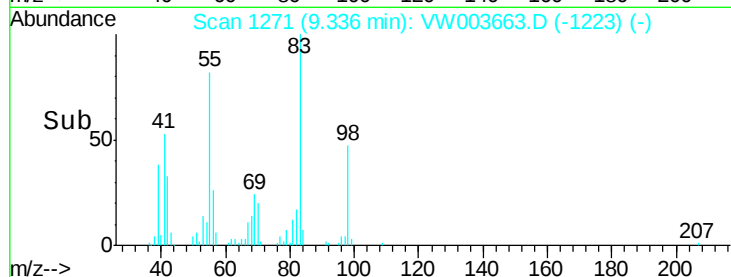
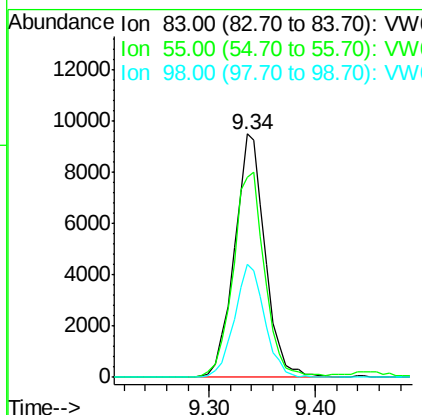
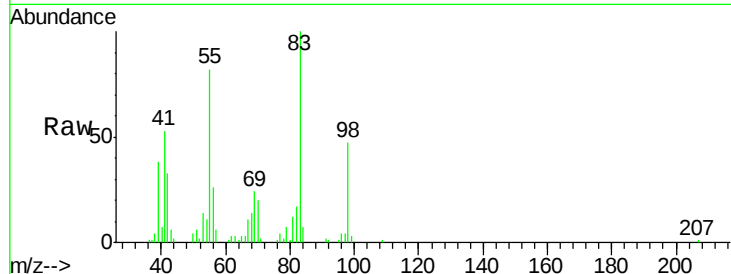
#39
Methvlcvclohexane
Concen: 5.60 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	62.6	93.8
98	46.6	37.0	55.4

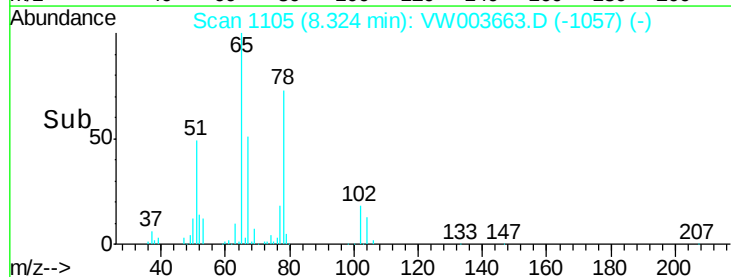
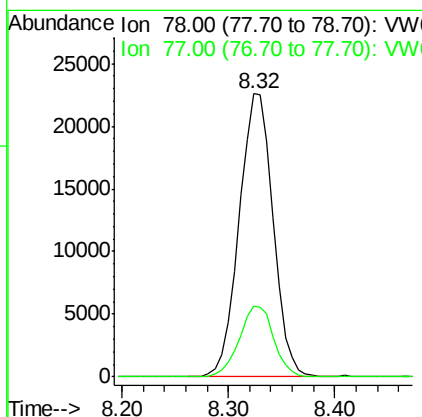
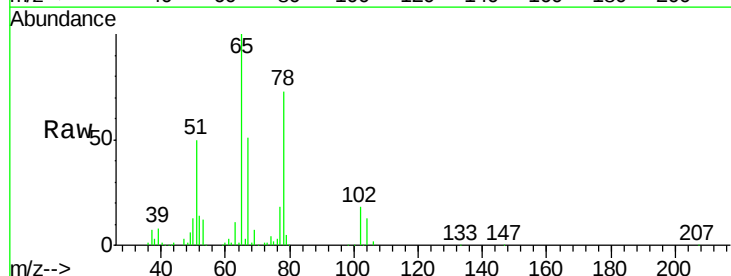
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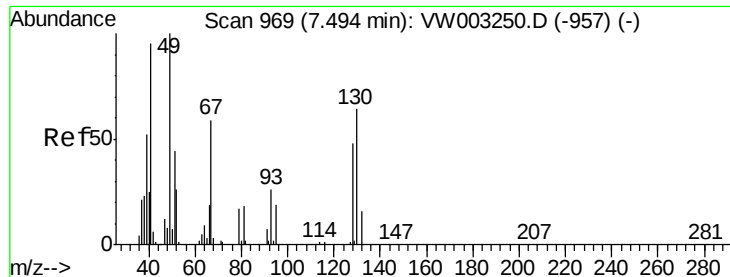
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#40
Benzene
Concen: 6.25 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.0	28.6





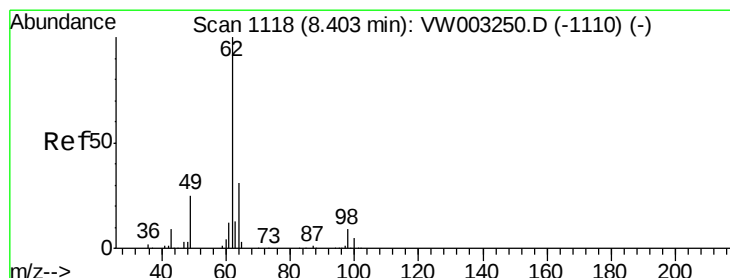
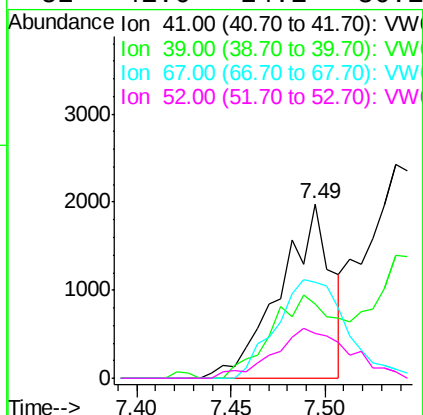
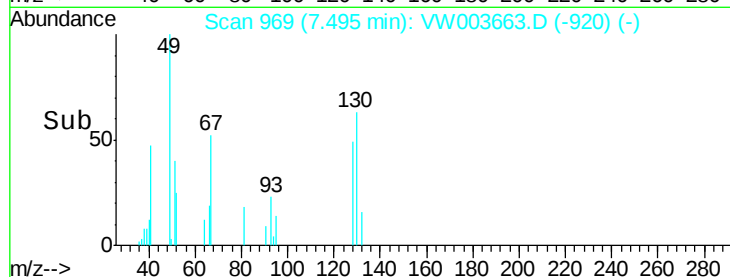
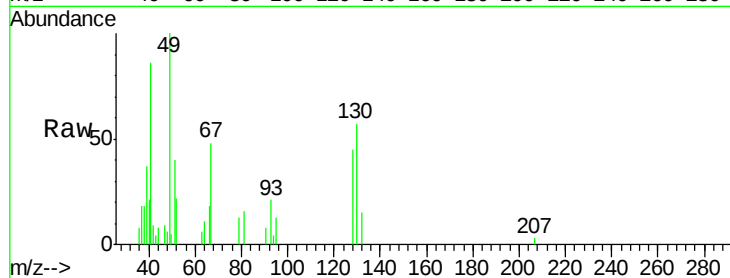
#41
Methacrylonitrile
Concen: 5.01 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion:	41	Resp:	3754
Ion	Ratio	Lower	Upper
41	100		
39	62.8	45.8	68.8
67	77.0	52.3	78.5
52	41.6	24.1	36.1#

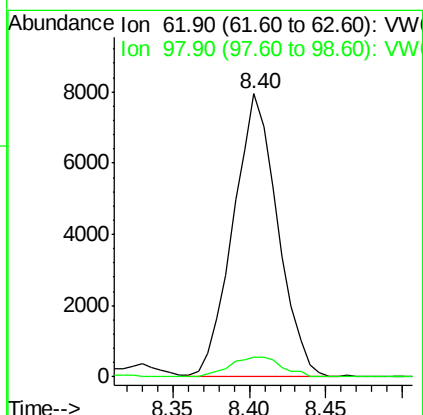
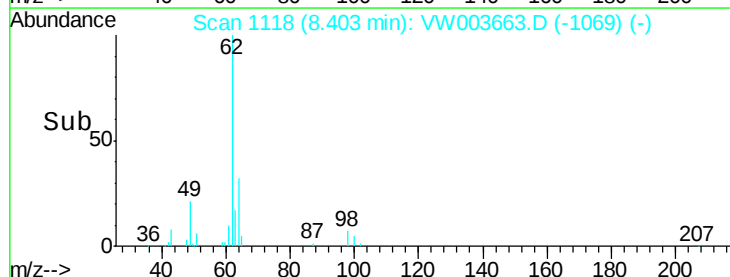
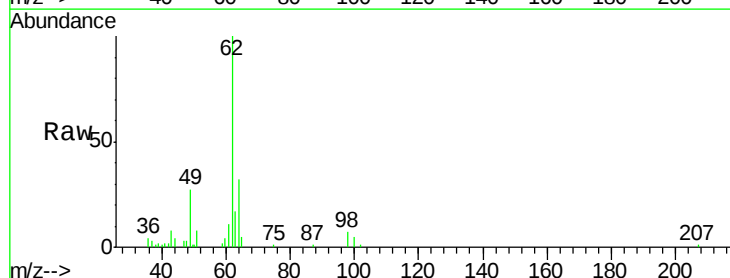
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#42
1,2-Dichloroethane
Concen: 6.30 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion:	62	Resp:	16020
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 6.01 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

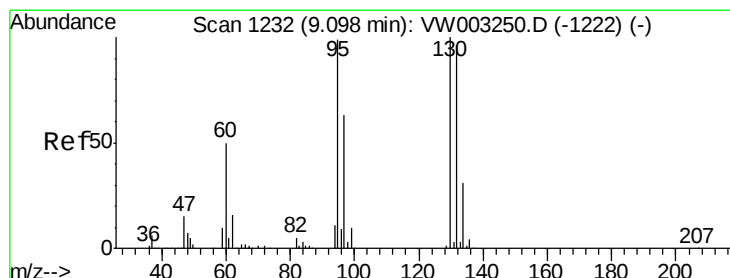
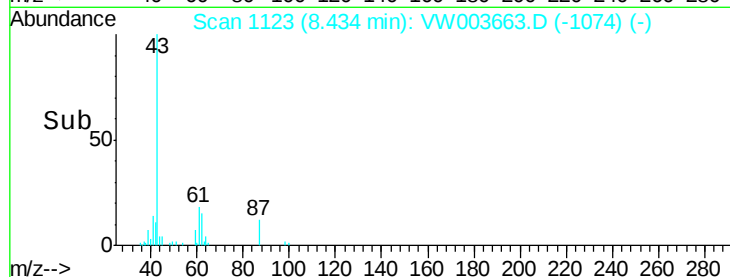
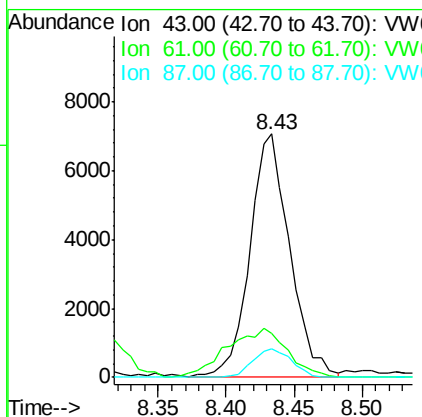
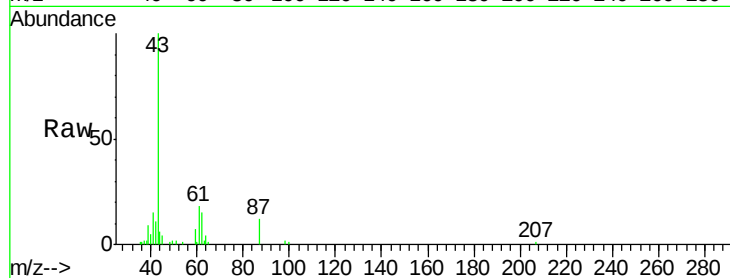
ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion:	43	Resp:	14562
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.1	34.7
87	11.4	9.8	14.6

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#44

Trichloroethene

Concen: 6.18 ug/l

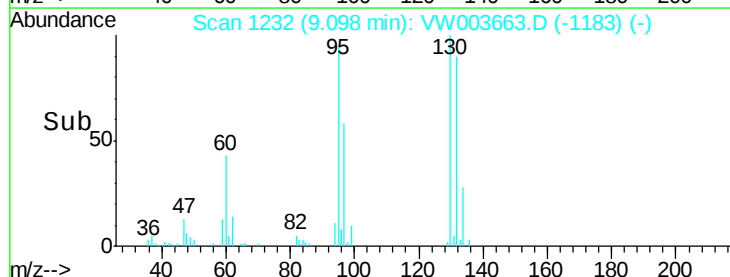
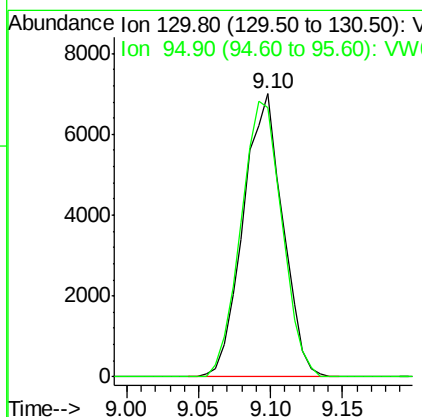
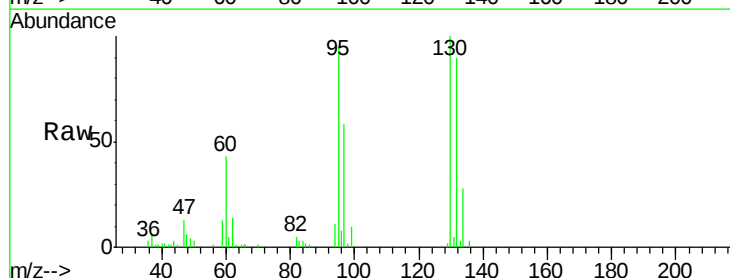
RT: 9.10 min Scan# 1232

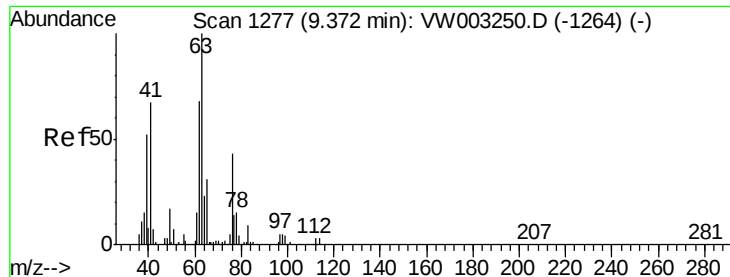
Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tgt Ion:	130	Resp:	13286
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	198.0





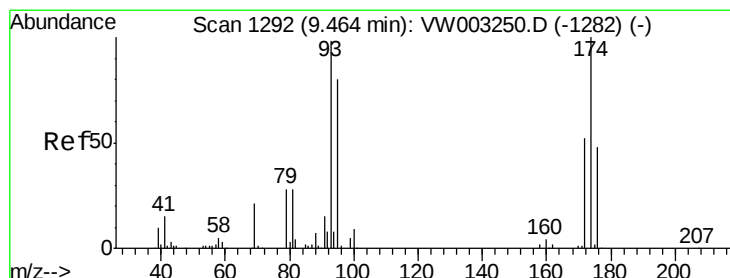
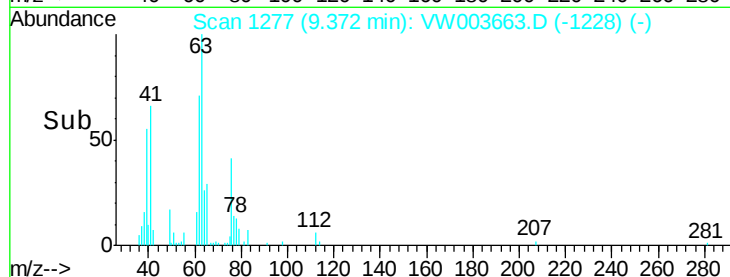
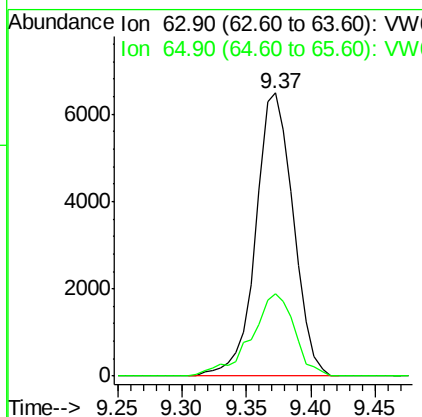
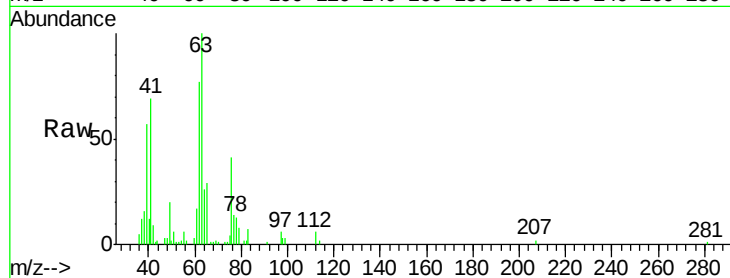
#45
 1,2-Dichloropropane
 Concen: 6.31 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion: 63 Resp: 13054
 Ion Ratio Lower Upper
 63 100
 65 28.9 25.1 37.7

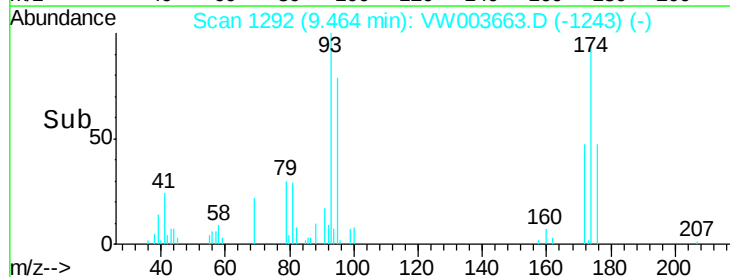
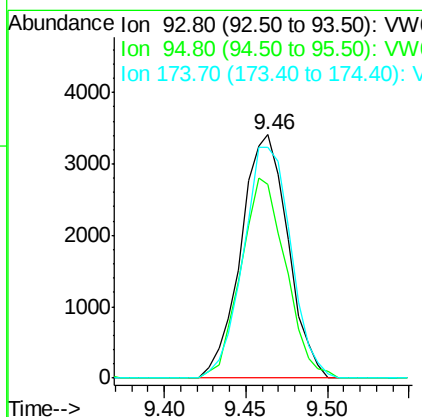
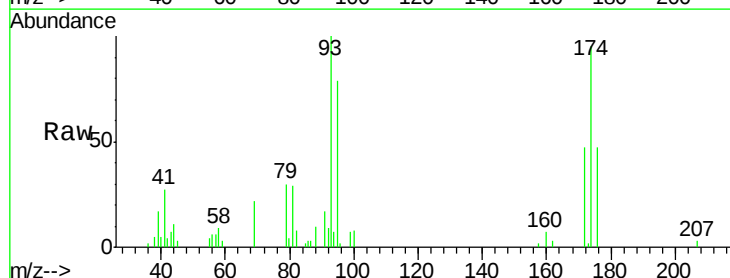
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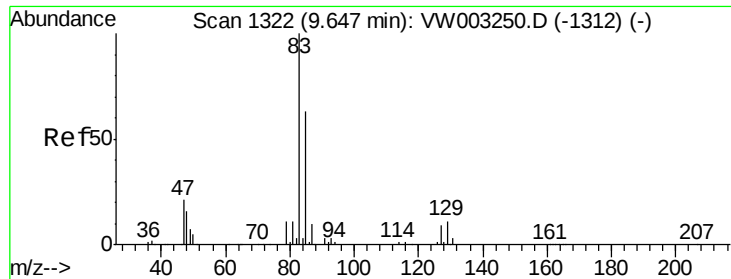
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#46
 Dibromomethane
 Concen: 6.45 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion: 93 Resp: 6827
 Ion Ratio Lower Upper
 93 100
 95 78.4 65.8 98.8
 174 96.0 81.4 122.0





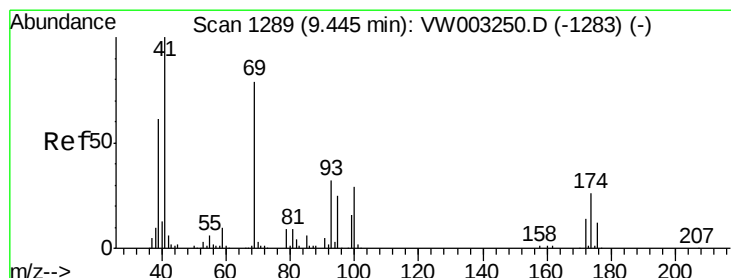
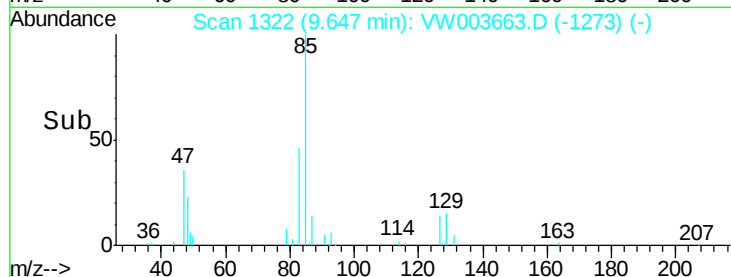
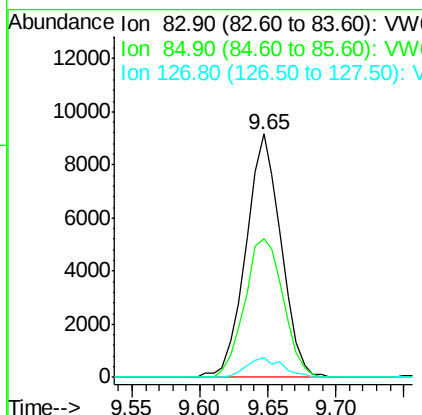
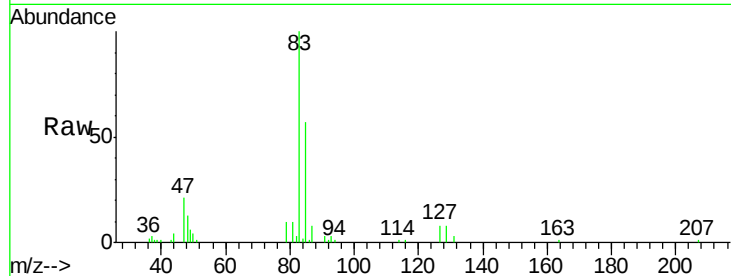
#47
Bromodichloromethane
Concen: 6.10 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	83	Resp	16561
Ion Ratio	100	Lower	Upper
83	100		
85	57.2	50.6	75.8
127	8.3	6.8	10.2

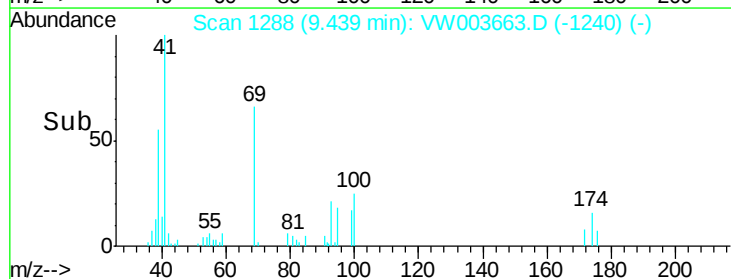
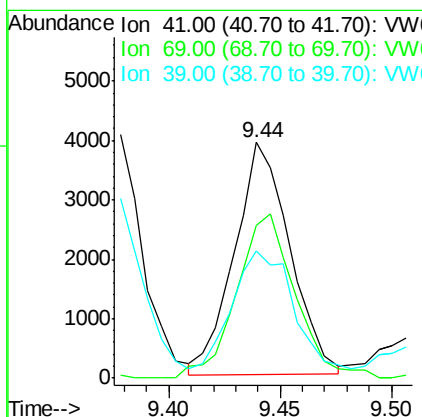
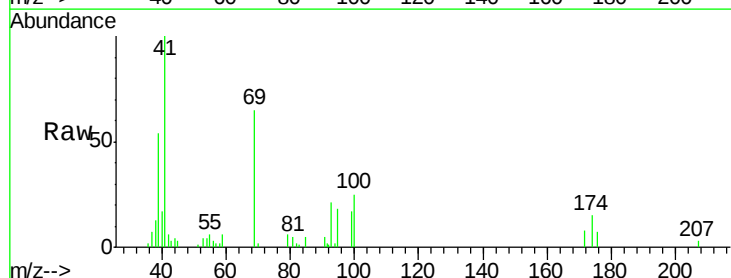
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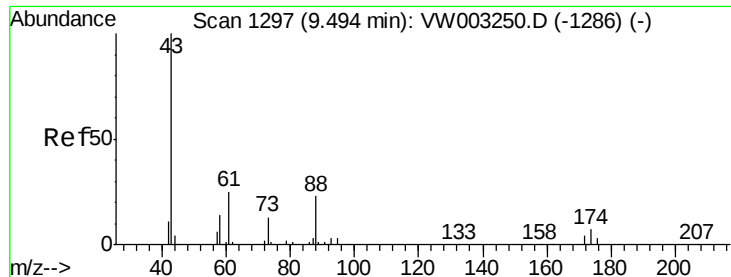
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#48
Methyl methacrylate
Concen: 5.97 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	41	Resp	6797
Ion Ratio	100	Lower	Upper
41	100		
69	74.8	65.4	98.2
39	64.0	54.2	81.2





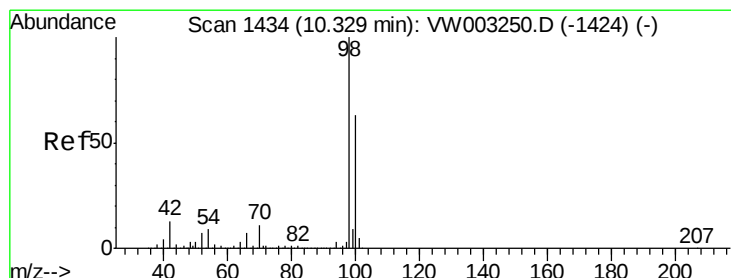
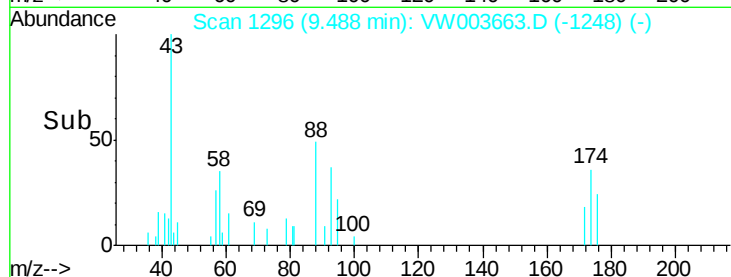
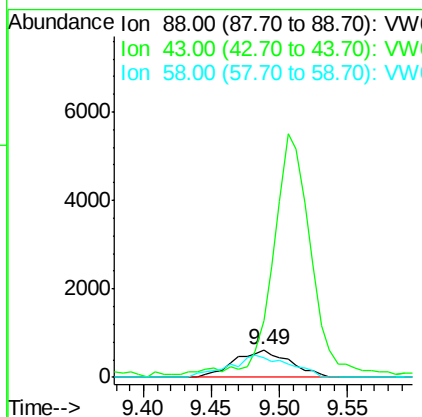
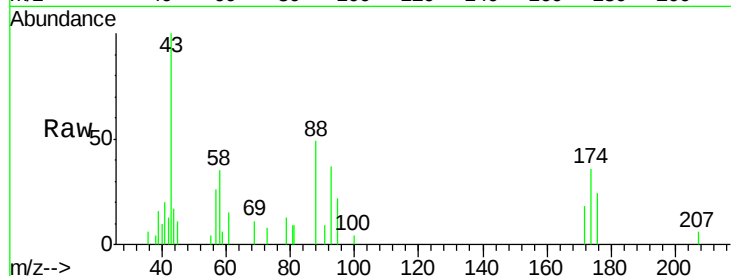
#49
 1,4-Dioxane
 Concen: 109.06 ug/l
 RT: 9.49 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion	88	Resp	1743
Ion	Ratio	Lower	Upper
88	100		
43	0.0	454.7	682.1#
58	86.5	58.6	88.0

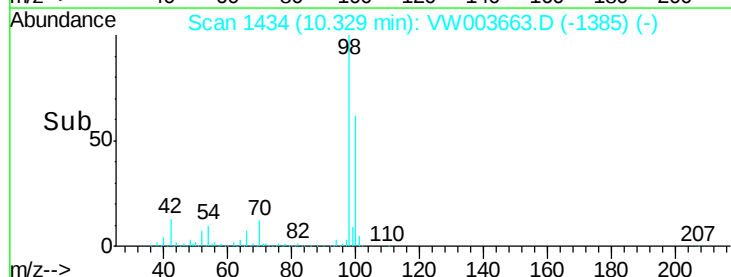
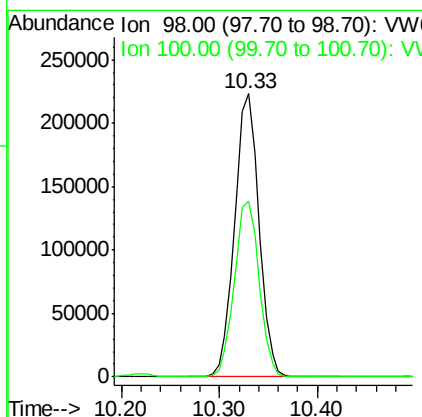
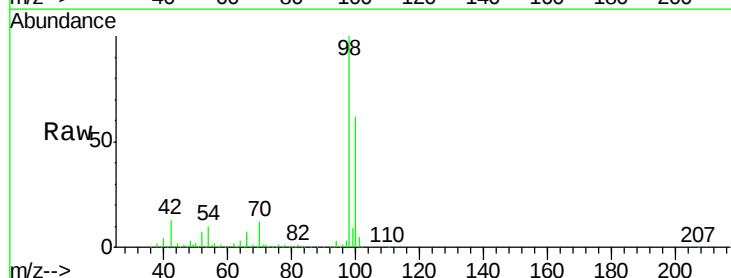
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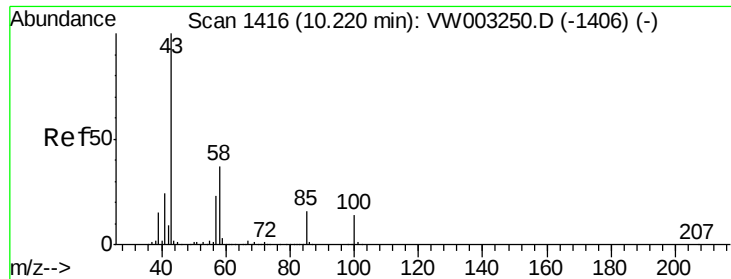
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#50
 Toluene-d8
 Concen: 51.46 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion	98	Resp	386742
Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 28.29 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion: 43 Resp: 34930

Ion Ratio Lower Upper

43 100

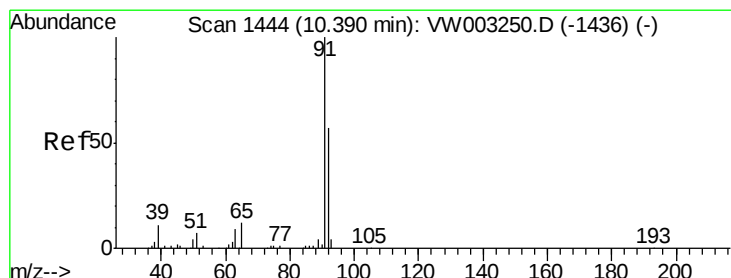
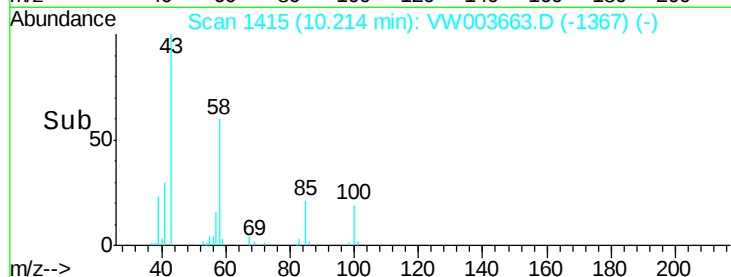
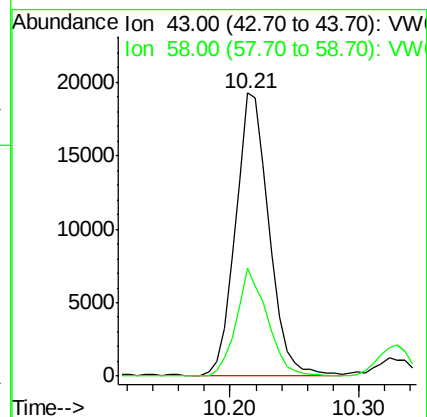
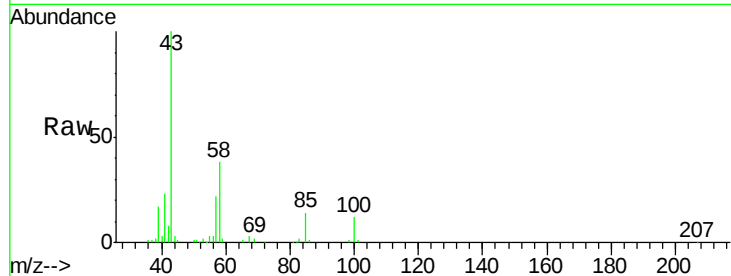
58 35.3 29.0 43.4

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#52

Toluene

Concen: 6.26 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003663.D

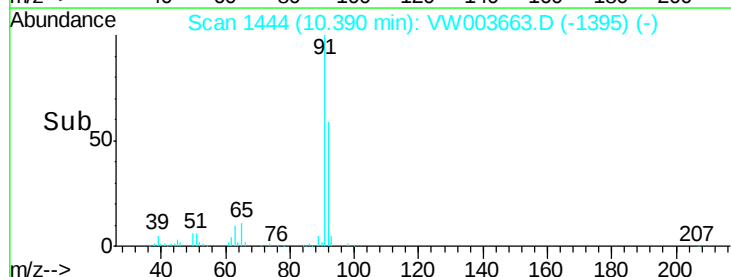
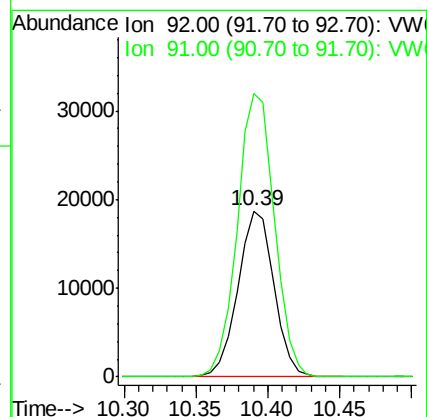
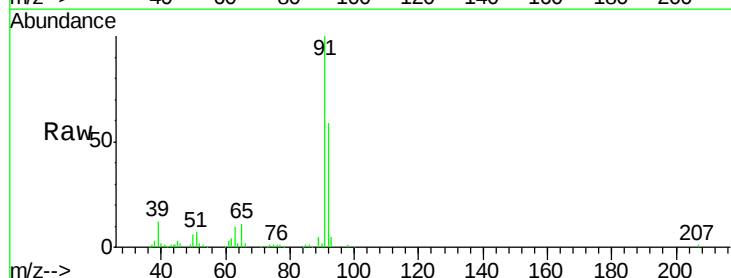
Acq: 29 Jun 2018 16:24

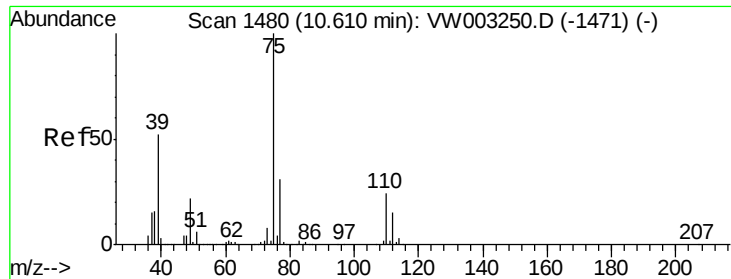
Tgt Ion: 92 Resp: 32582

Ion Ratio Lower Upper

92 100

91 175.4 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 5.69 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion: 75 Resp: 15780

Ion Ratio Lower Upper

75 100

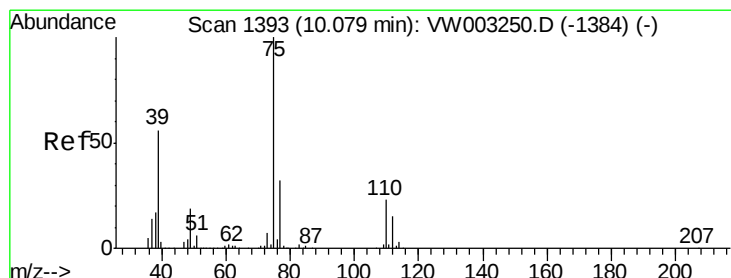
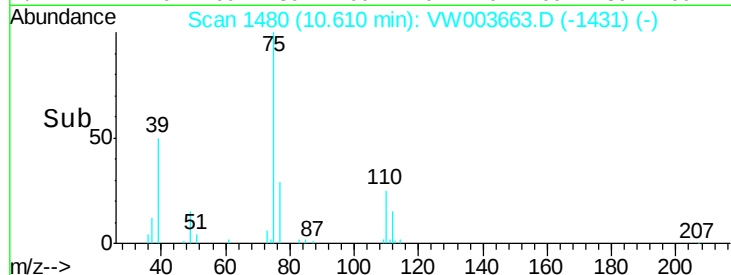
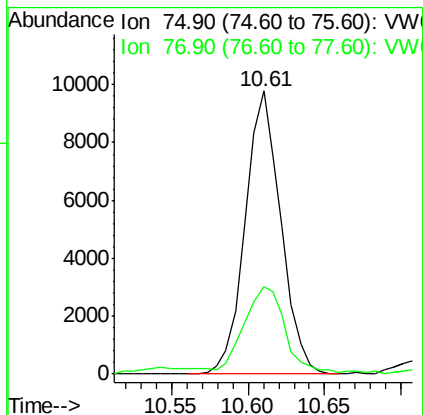
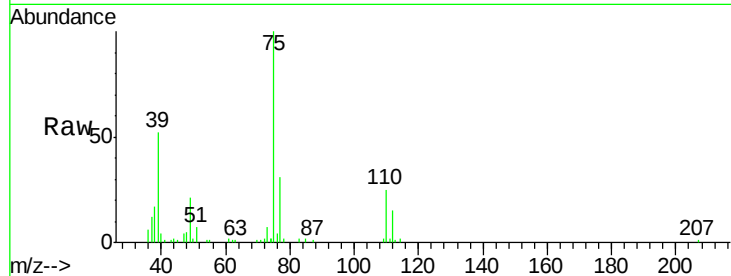
77 30.0 24.9 37.3

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#54

cis-1,3-Dichloropropene

Concen: 5.54 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

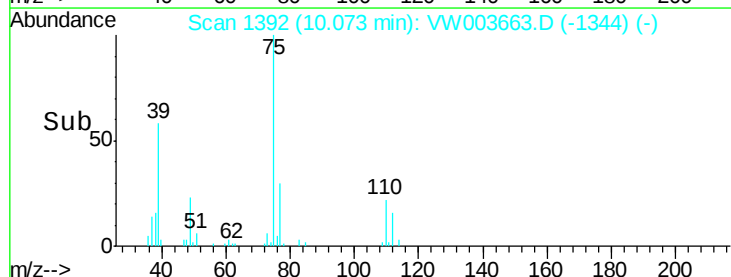
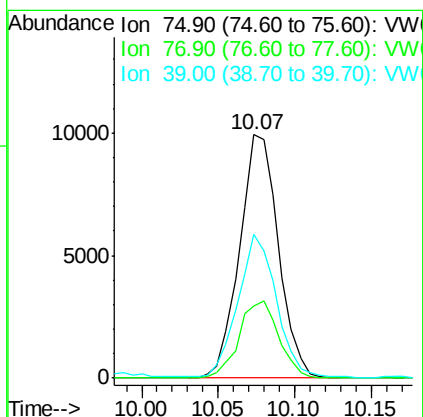
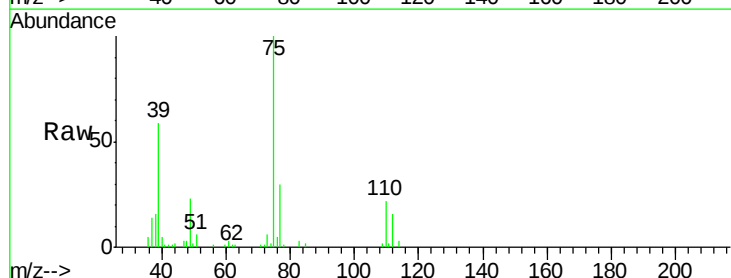
Tgt Ion: 75 Resp: 17484

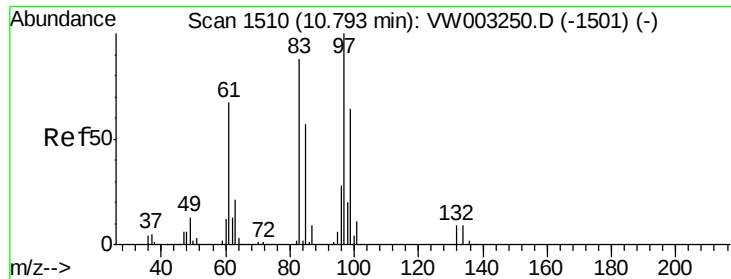
Ion Ratio Lower Upper

75 100

77 29.5 25.8 38.6

39 58.4 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 6.13 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

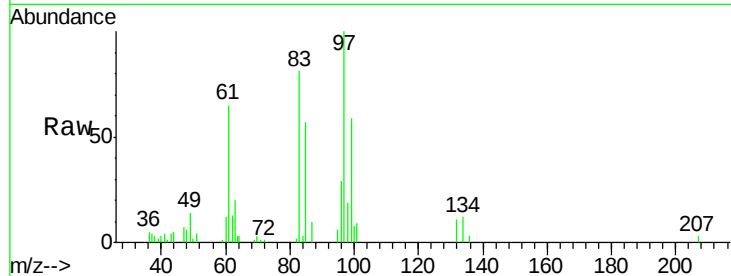
ClientSampleId :

LOQ-SCM-Precision-Bias-4

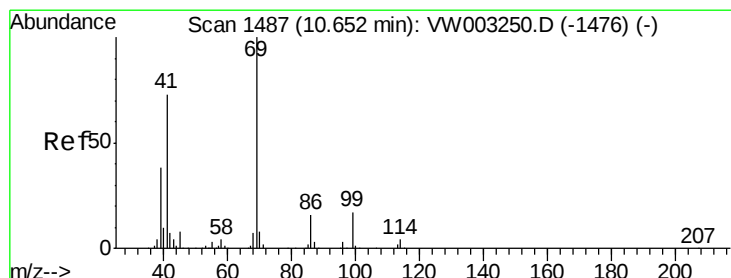
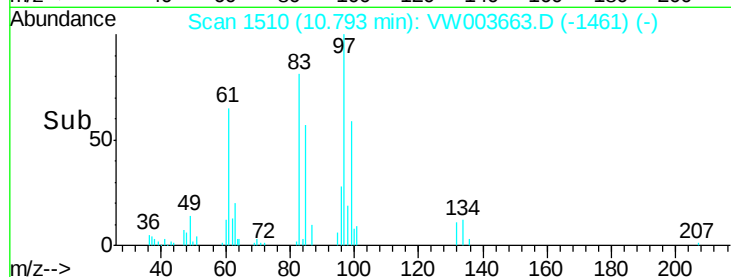
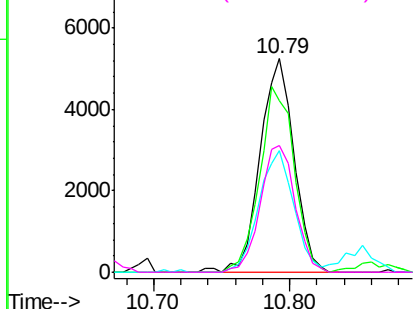
Tot Ion:	97	Resp:	9137
Ion	Ratio	Lower	Upper
97	100		
83	80.6	70.2	105.2
85	57.2	45.6	68.4
99	59.3	51.2	76.8

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Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 5.24 ug/l

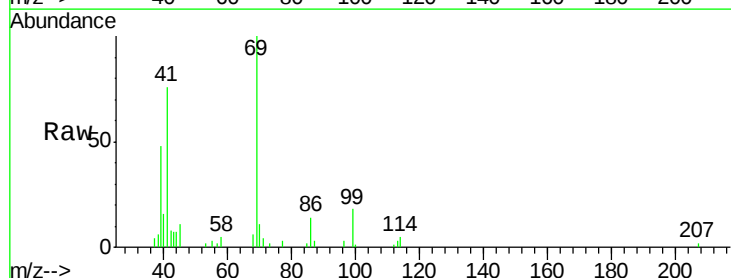
RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

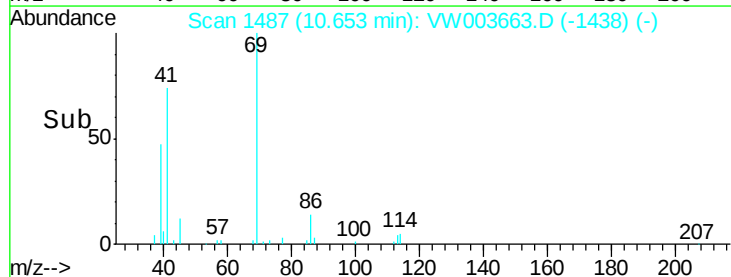
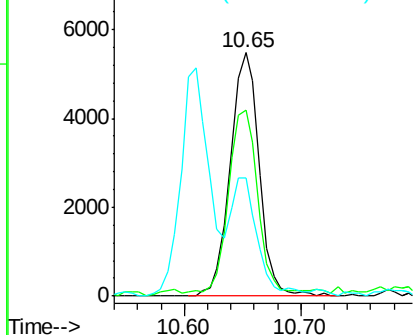
Lab File: VW003663.D

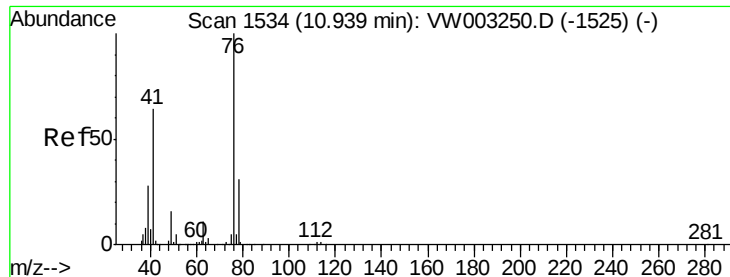
Acq: 29 Jun 2018 16:24

Tgt Ion:	69	Resp:	9490
Ion	Ratio	Lower	Upper
69	100		
41	73.5	57.8	86.6
39	40.9	32.7	49.1



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW





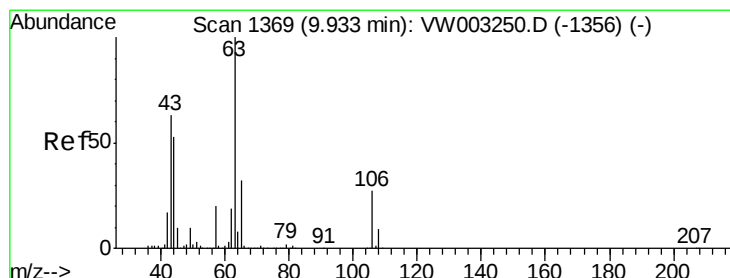
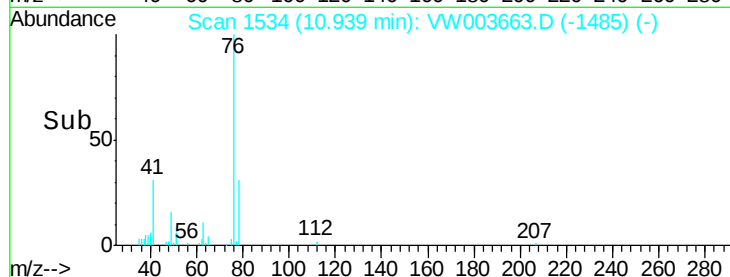
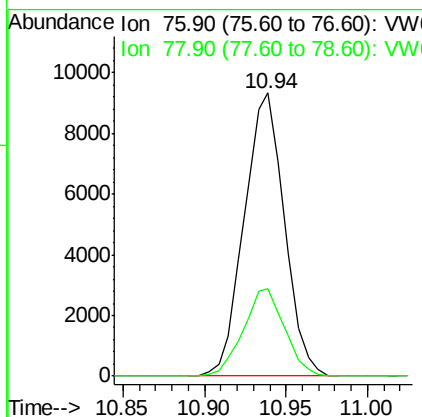
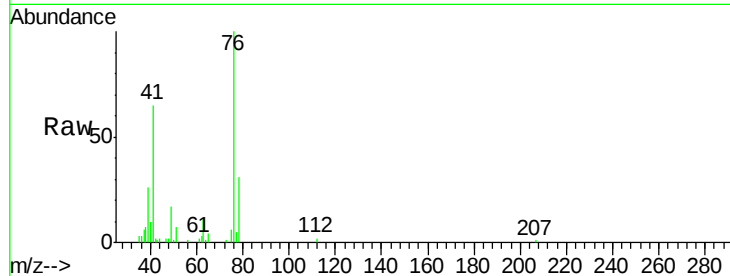
#57
 1,3-Dichloropropane
 Concen: 6.21 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion: 76 Resp: 15975
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5

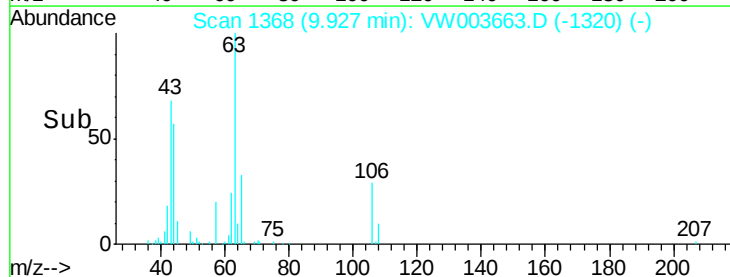
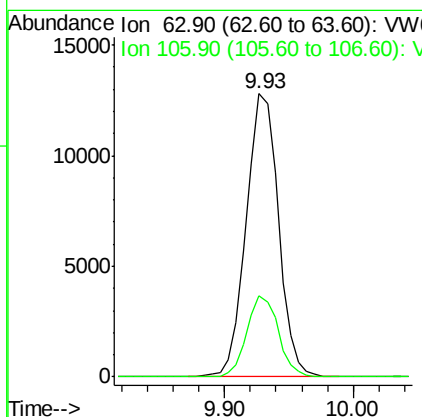
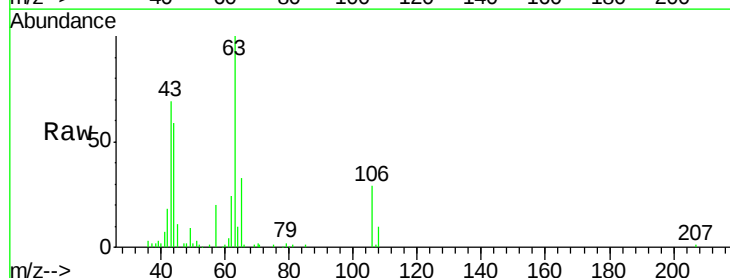
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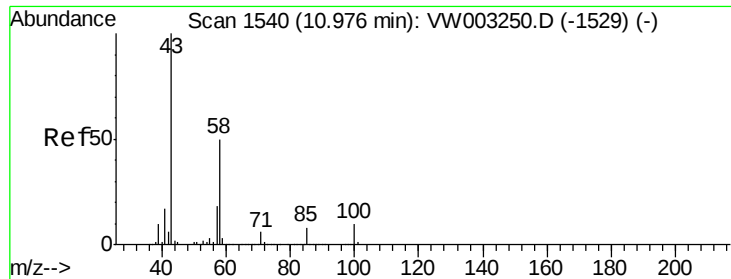
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#58
 2-Chloroethyl Vinyl ether
 Concen: 27.23 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion: 63 Resp: 22112
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.8 32.8





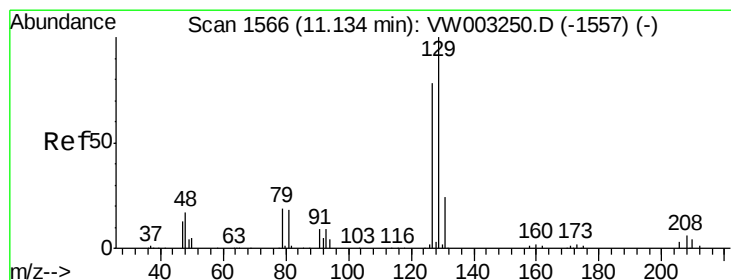
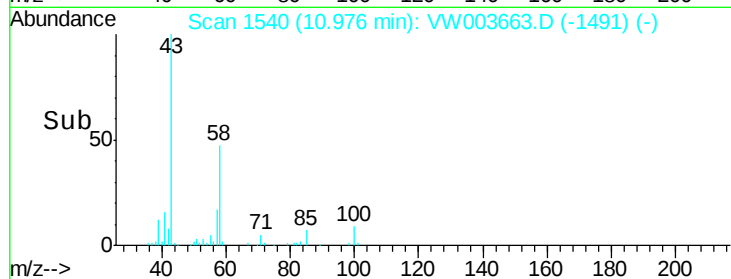
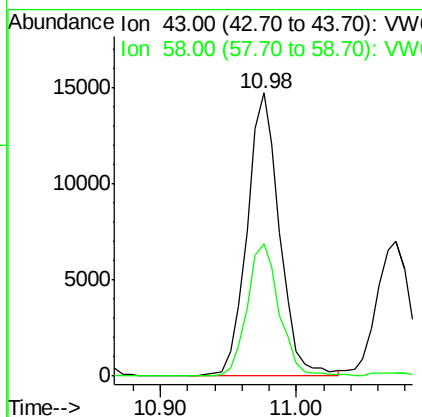
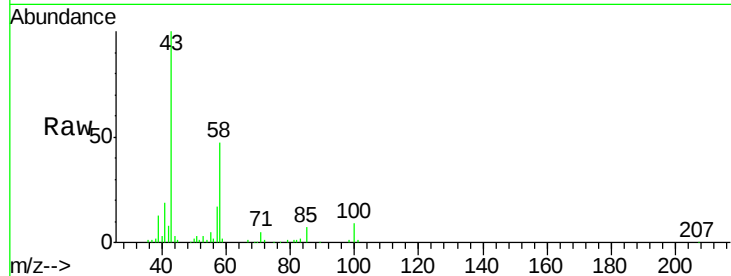
#59
2-Hexanone
Concen: 28.47 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion: 43 Resp: 24561
Ion Ratio Lower Upper
43 100
58 46.4 25.0 75.0

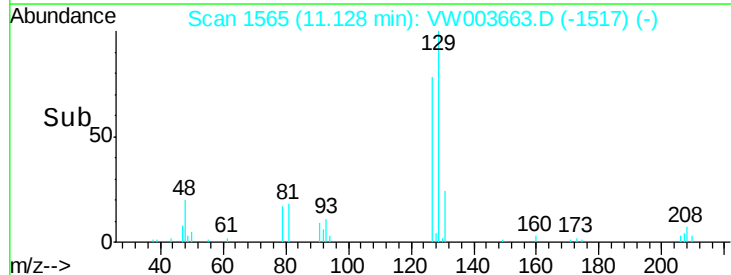
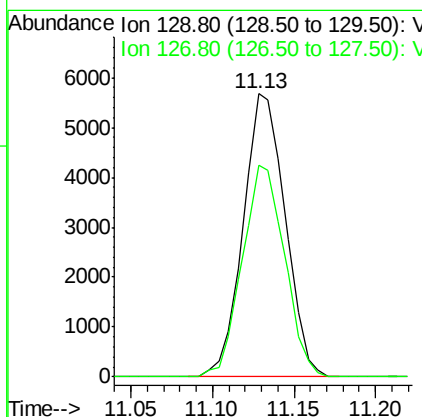
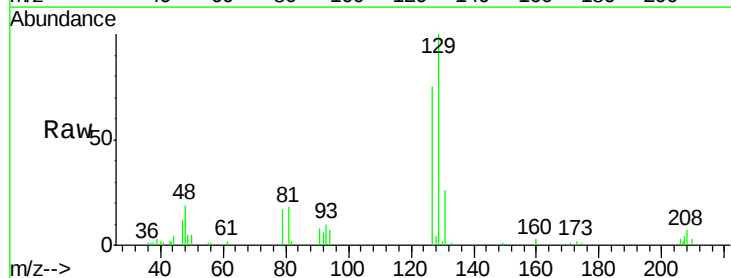
Manual Integrations
APPROVED

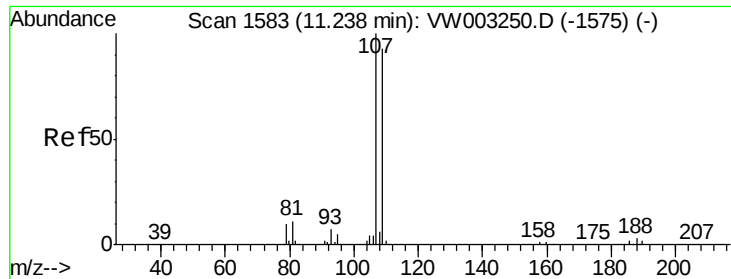
apatel
7/2/2018 10:30:47 AM



#60
Dibromochloromethane
Concen: 5.72 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 129 Resp: 10144
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.5





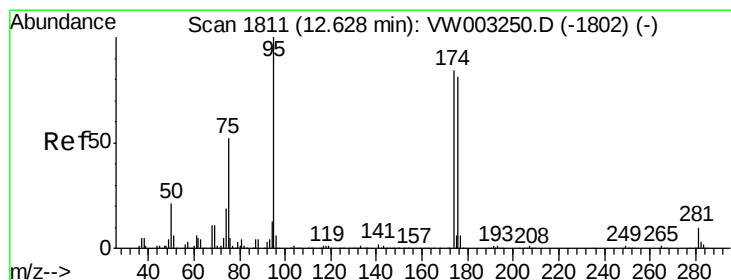
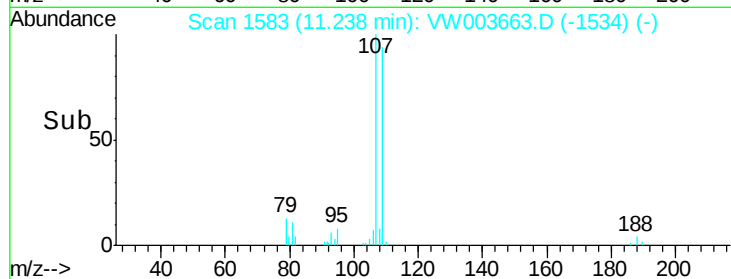
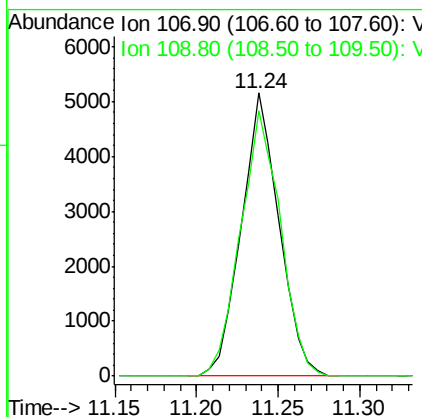
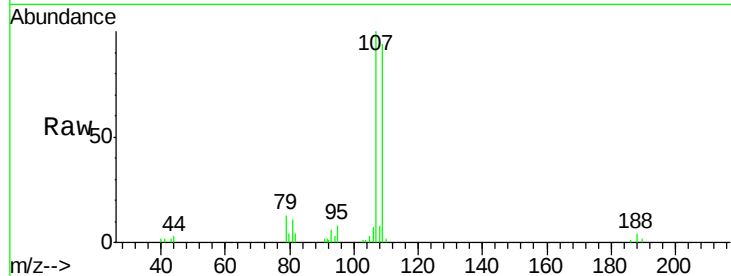
#61
 1,2-Dibromoethane
 Concen: 5.90 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.1	75.8	113.6

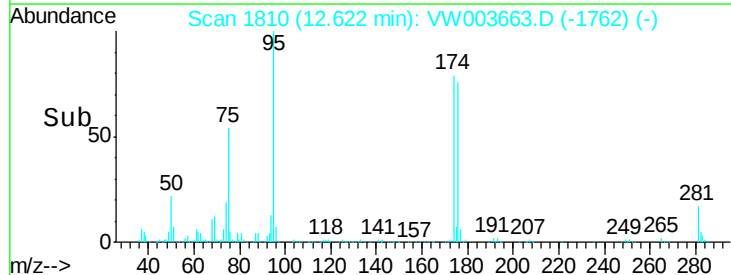
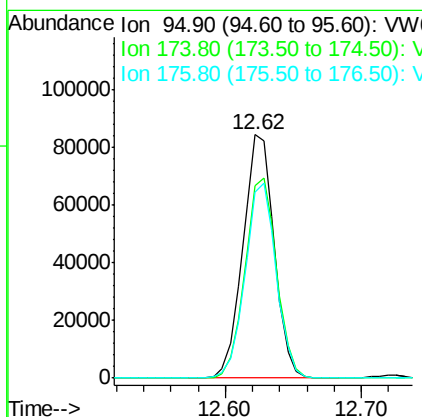
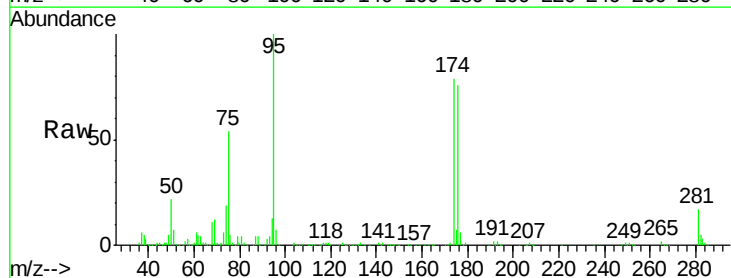
Manual Integrations
 APPROVED

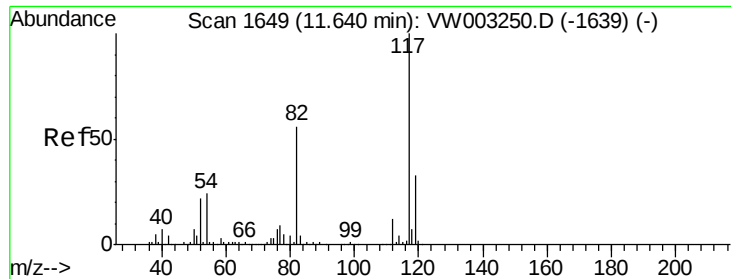
apatel
 7/2/2018 10:30:47 AM



#62
 4-Bromofluorobenzene
 Concen: 50.82 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	166.4
176	79.8	0.0	162.0





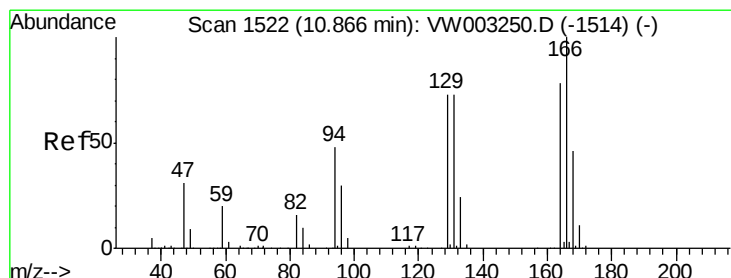
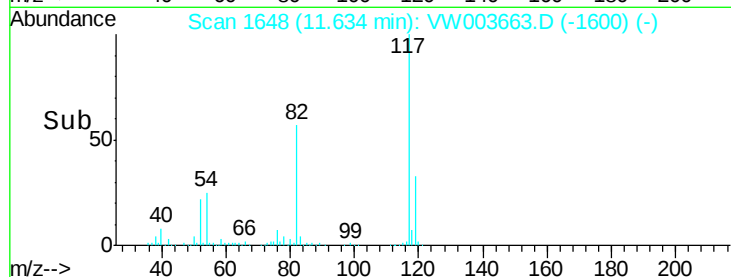
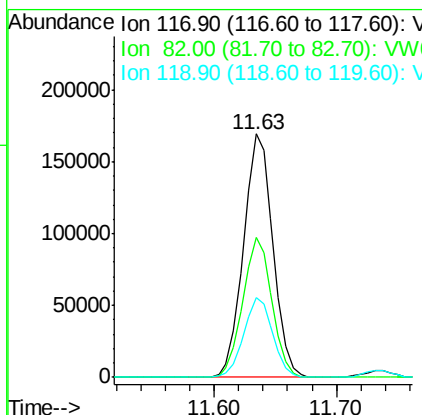
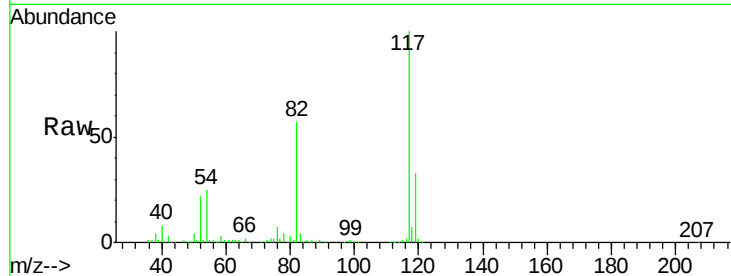
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Resp	Lower	Upper
117	100	281746		
82	57.4		44.6	67.0
119	32.7		26.7	40.1

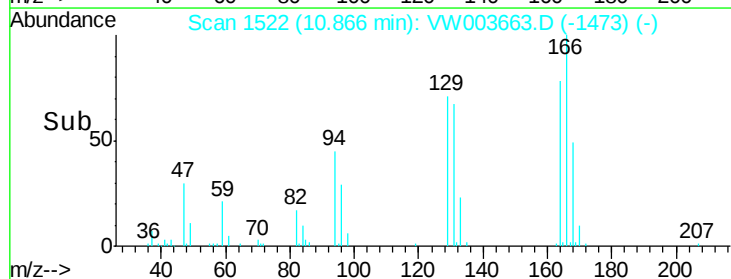
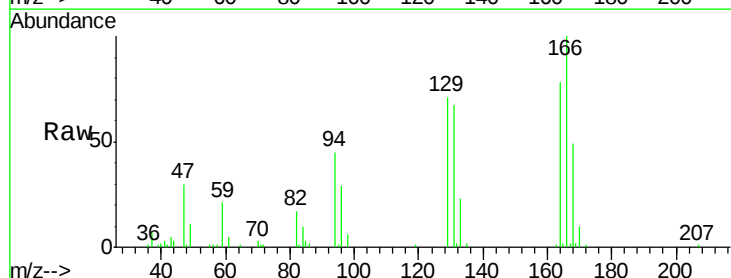
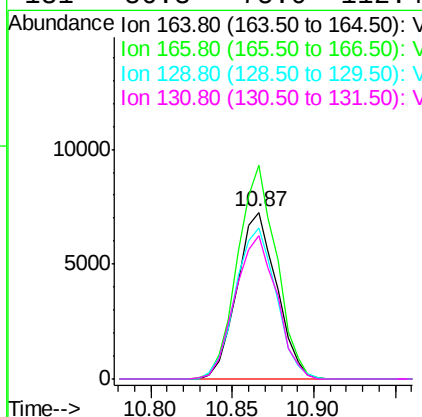
Manual Integrations
APPROVED

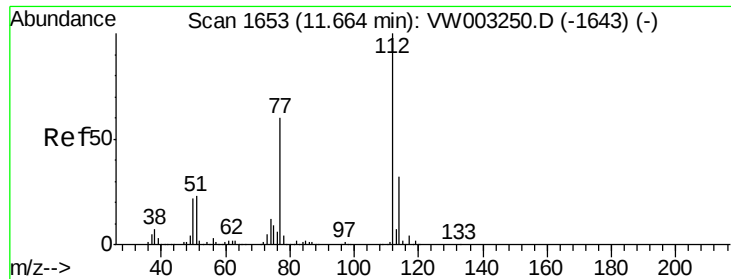
apatel
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#64
Tetrachloroethene
Concen: 6.50 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	12258		
166	128.0		102.6	154.0
129	90.3		75.2	112.8
131	86.3		75.0	112.4





#65

Chlorobenzene

Concen: 6.05 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion:112 Resp: 35508

Ion Ratio Lower Upper

112 100

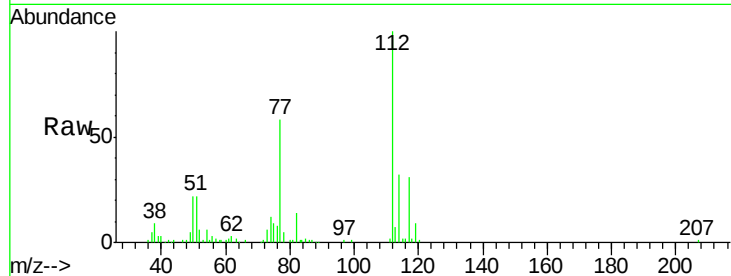
114 31.8 25.9 38.9

Manual Integrations

APPROVED

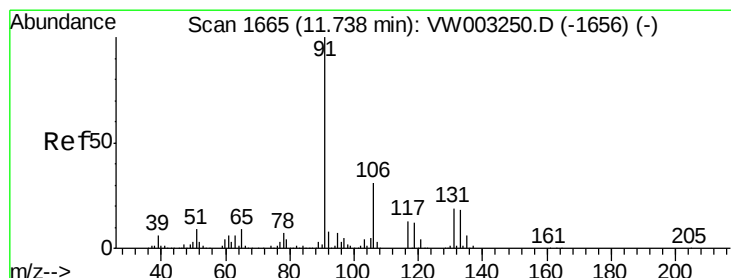
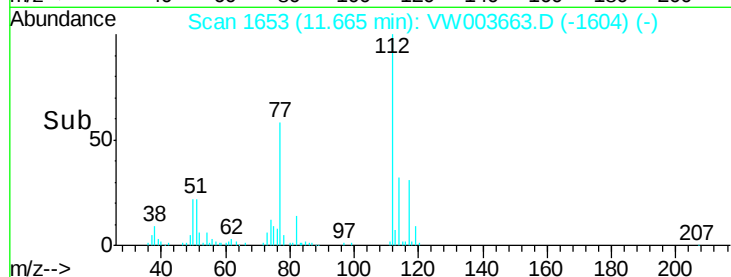
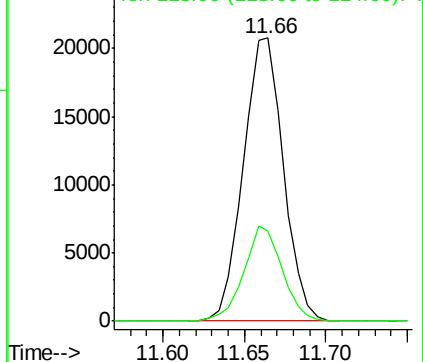
apatel

7/2/2018 10:30:47 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.75 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

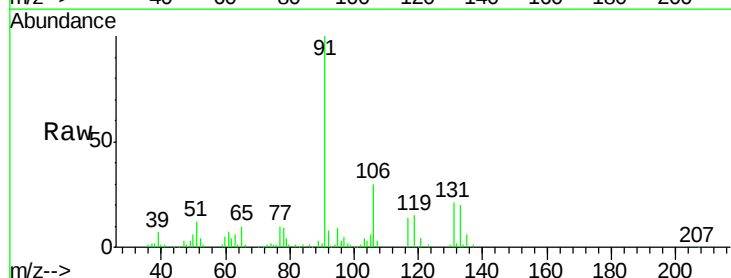
Tgt Ion:131 Resp: 11860

Ion Ratio Lower Upper

131 100

133 91.9 47.3 142.0

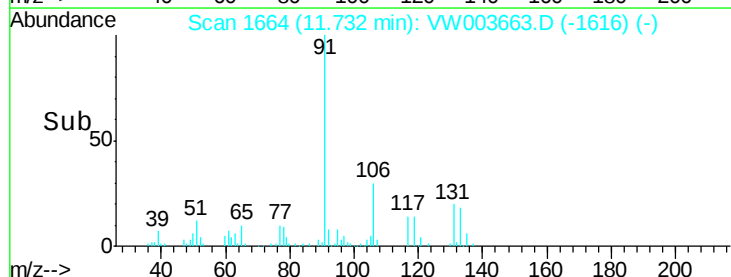
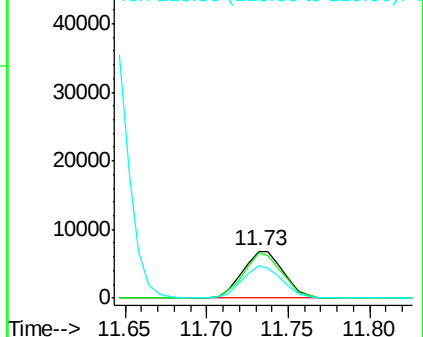
119 66.5 32.5 97.4

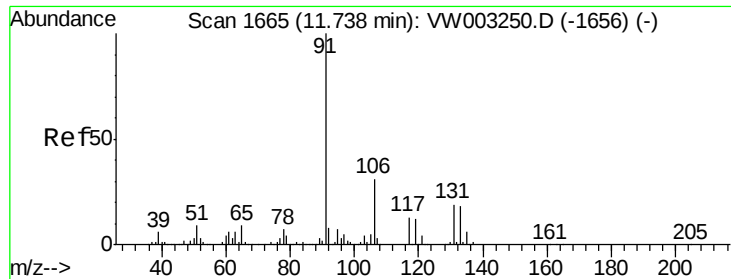


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





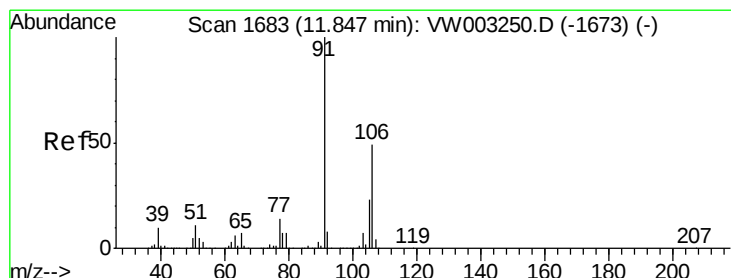
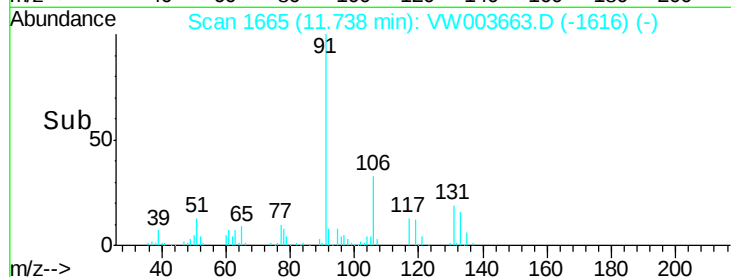
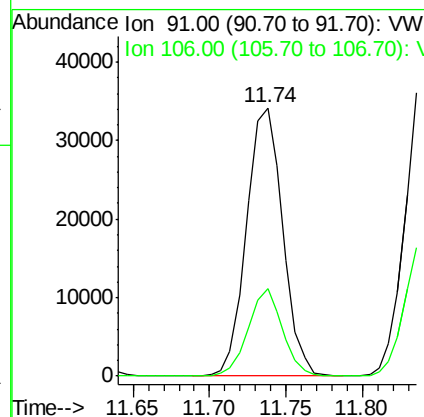
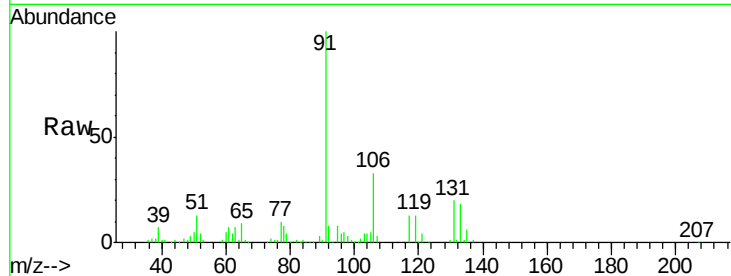
#67
Ethyl Benzene
Concen: 5.42 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion: 91 Resp: 56340
Ion Ratio Lower Upper
91 100
106 32.6 24.7 37.1

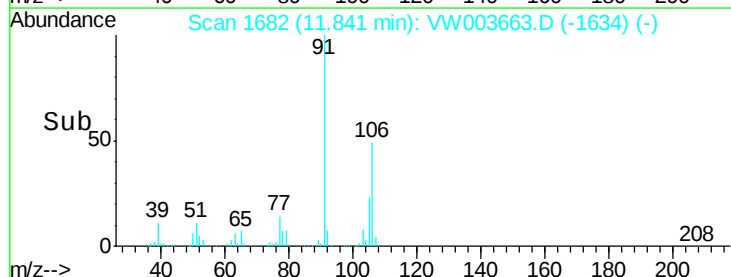
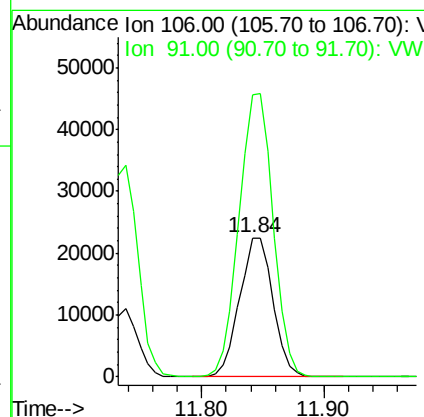
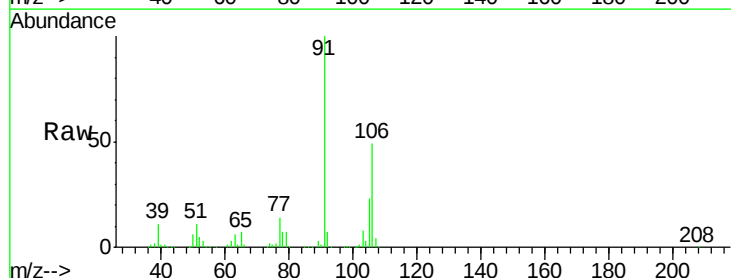
Manual Integrations
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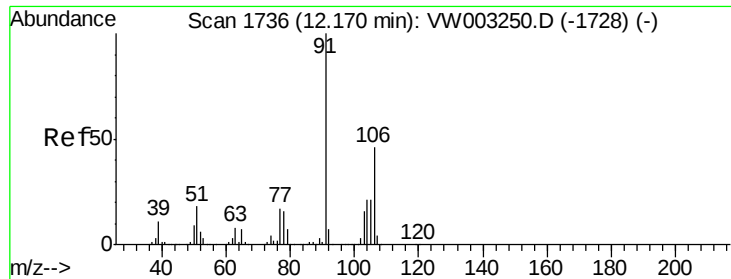
apatel
7/2/2018 10:30:47 AM



#68
m/p-Xylenes
Concen: 10.77 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 106 Resp: 42592
Ion Ratio Lower Upper
106 100
91 207.7 165.4 248.0





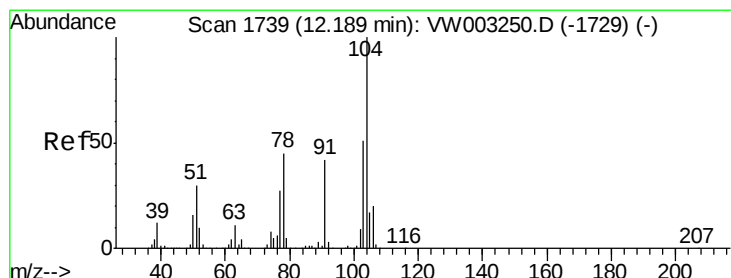
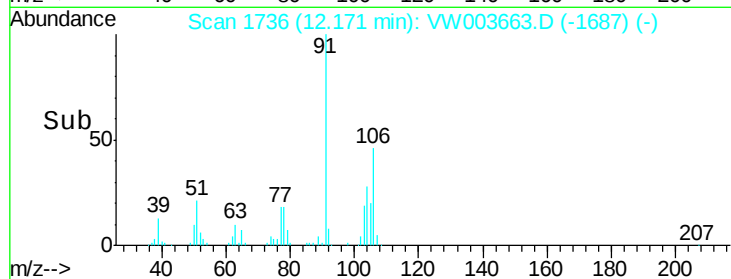
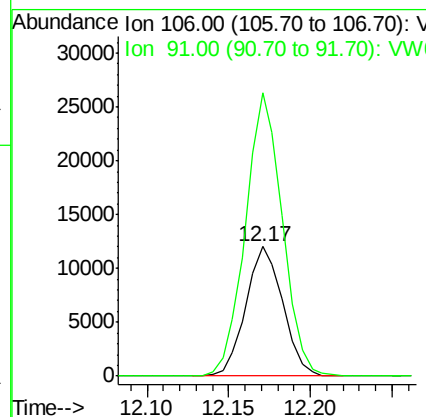
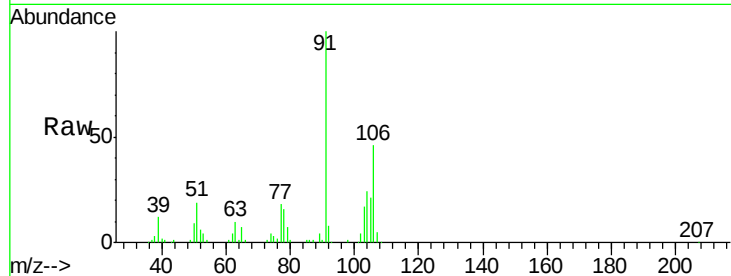
#69
o-Xylene
Concen: 5.18 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.5	108.6	325.6

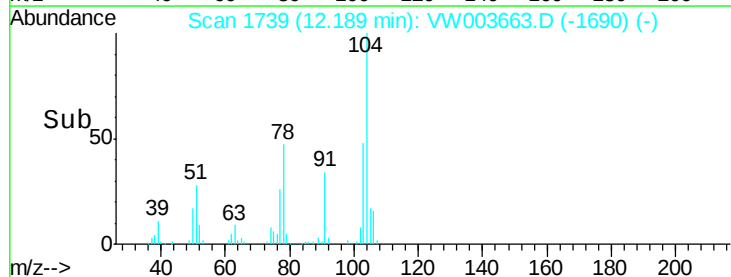
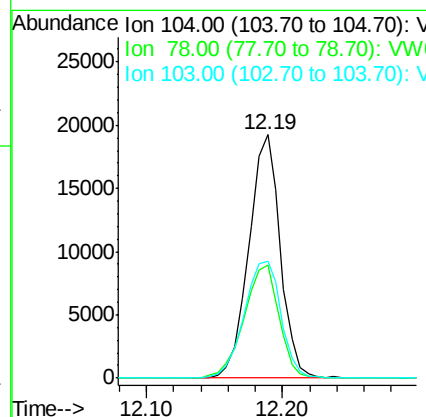
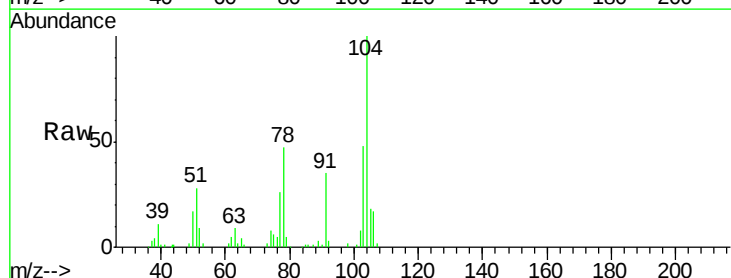
Manual Integrations
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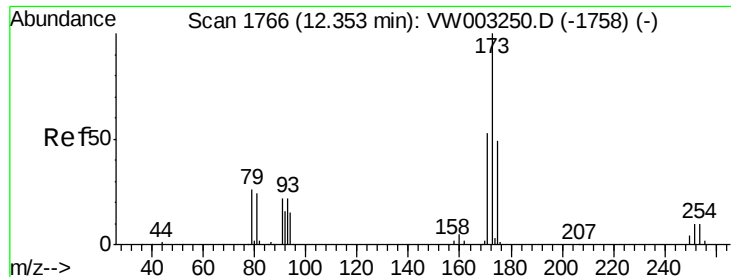
apatel
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#70
Styrene
Concen: 5.10 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.3	61.9
103	56.3	45.0	67.4





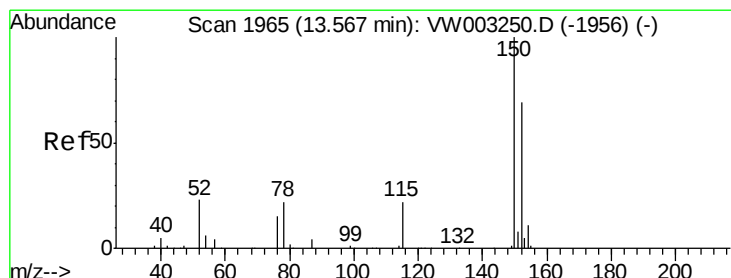
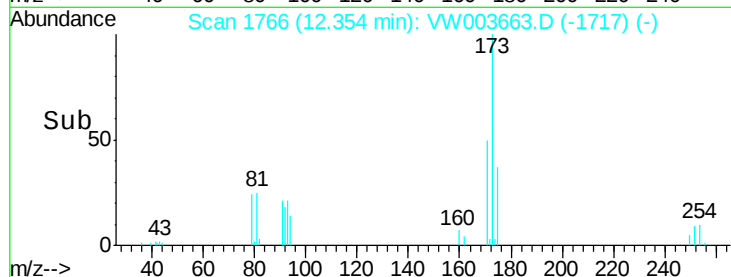
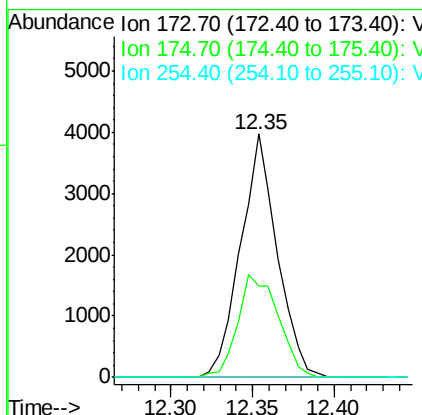
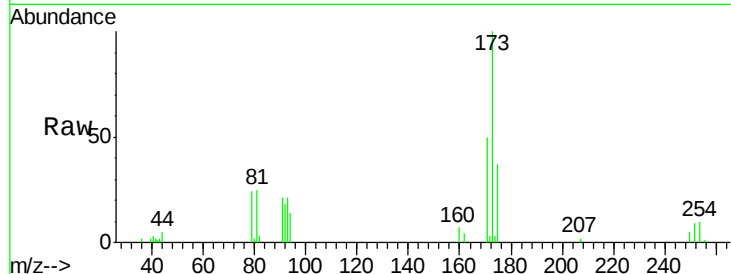
#71
Bromoform
Concen: 5.81 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.4	73.4
254	0.0	0.1	0.1#

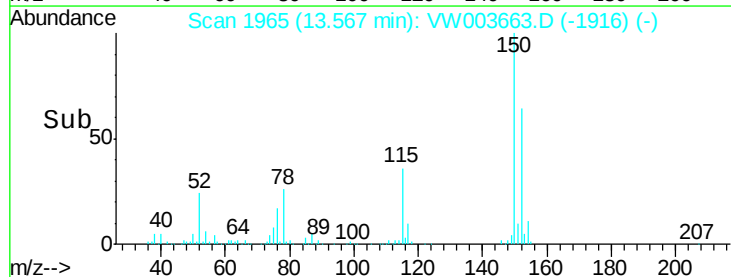
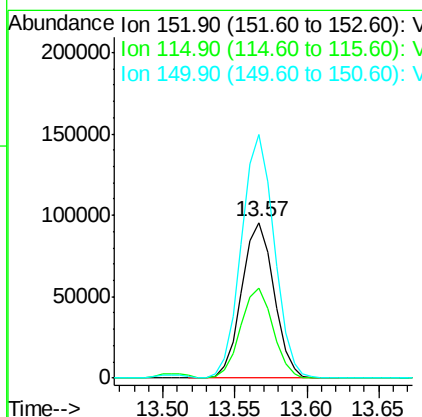
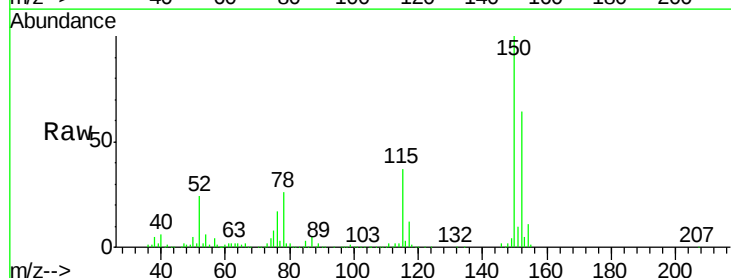
Manual Integrations
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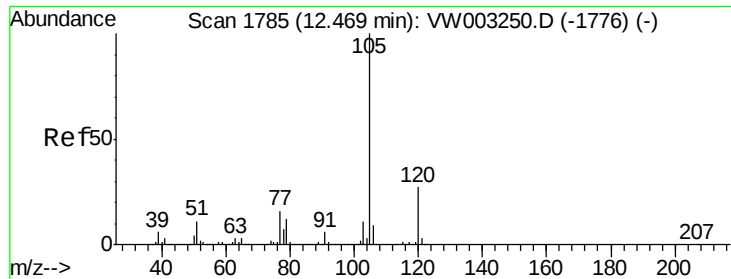
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.3	88.0
150	158.5	0.0	349.6





#73

Isopropylbenzene

Concen: 5.07 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion: 105 Resp: 52595

Ion Ratio Lower Upper

105 100

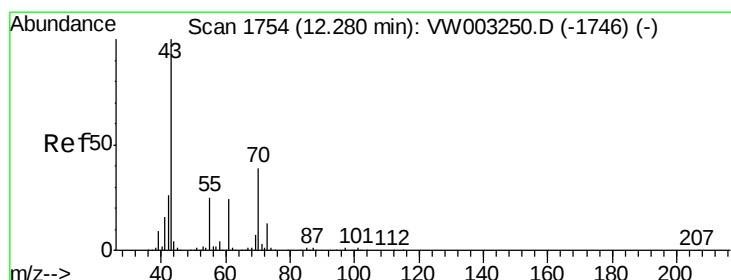
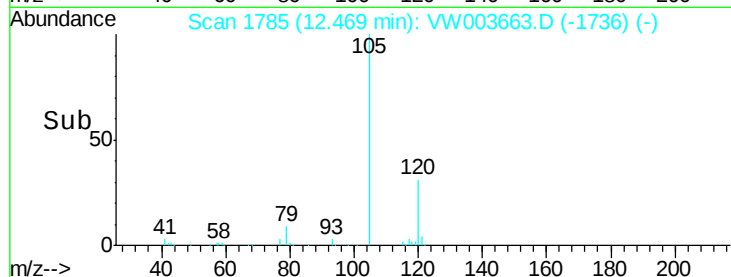
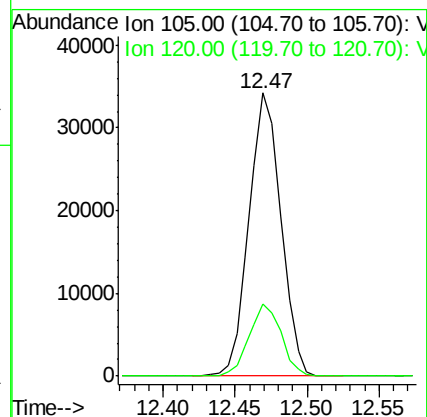
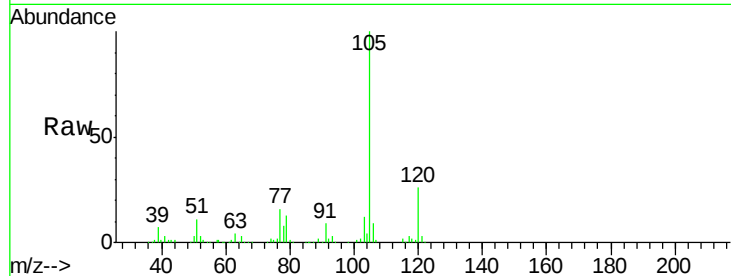
120 25.6 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 5.13 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tgt Ion: 43 Resp: 12109

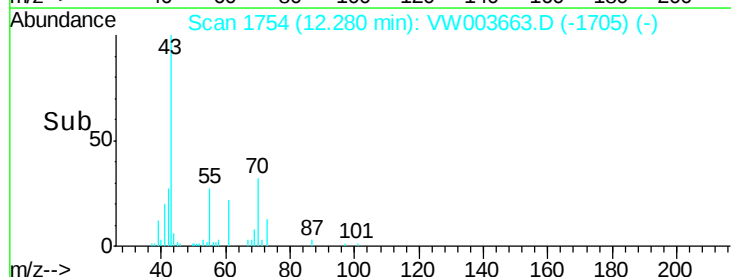
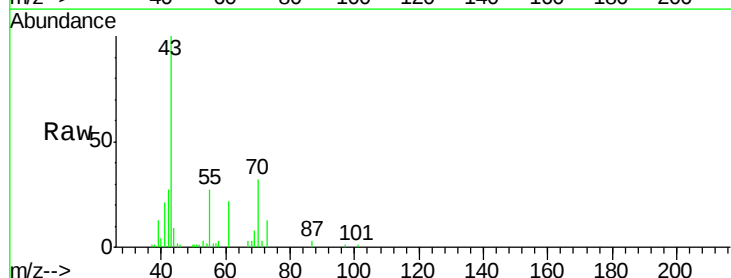
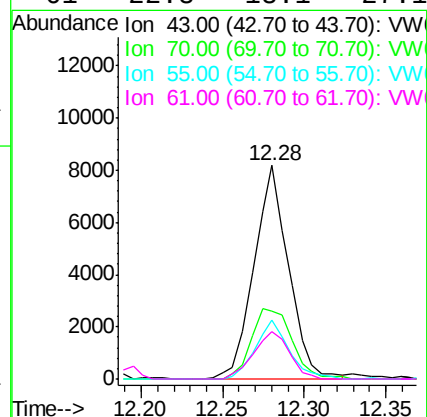
Ion Ratio Lower Upper

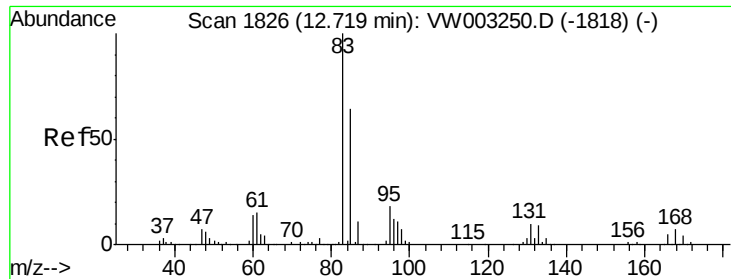
43 100

70 38.5 31.0 46.6

55 26.7 19.7 29.5

61 22.8 18.1 27.1





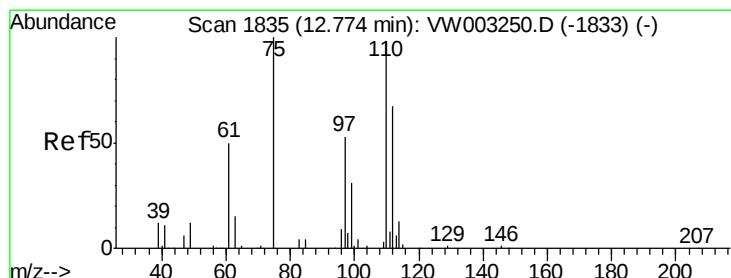
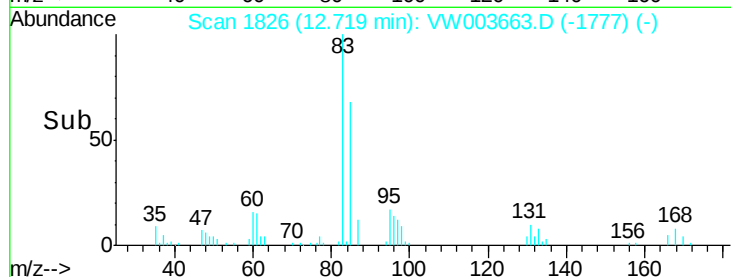
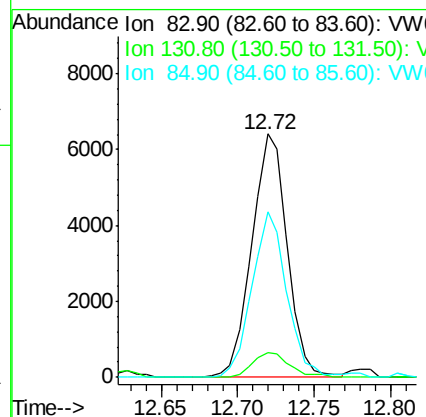
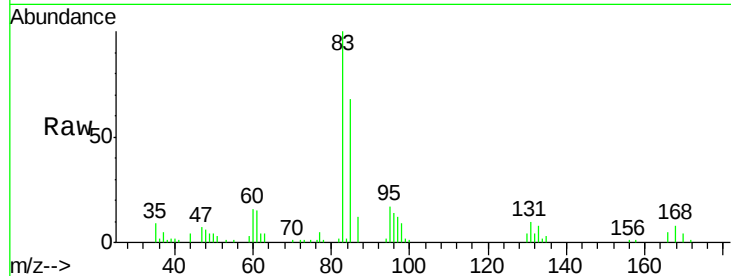
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.90 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion	83	Resp	10362
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.4	16.2
85	66.3	31.9	95.7

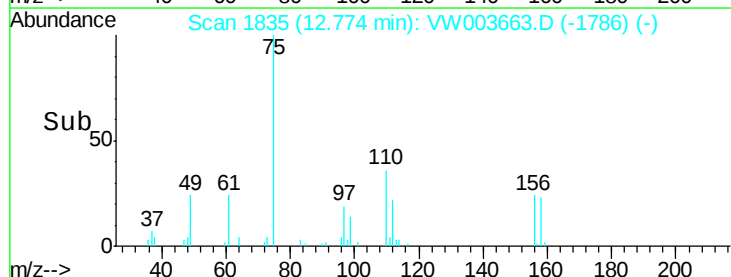
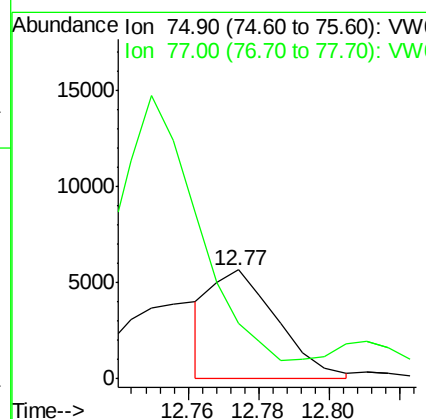
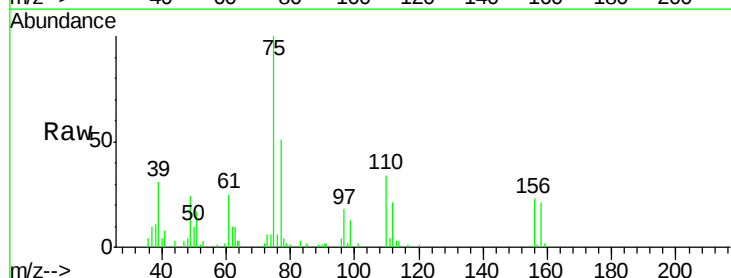
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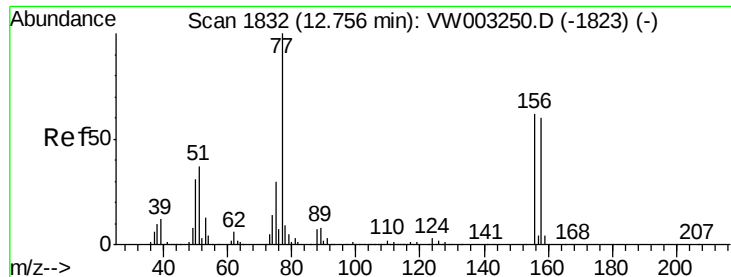
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#76
 1,2,3-Trichloropropane
 Concen: 5.77 ug/l m
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion	75	Resp	7363
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.68 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

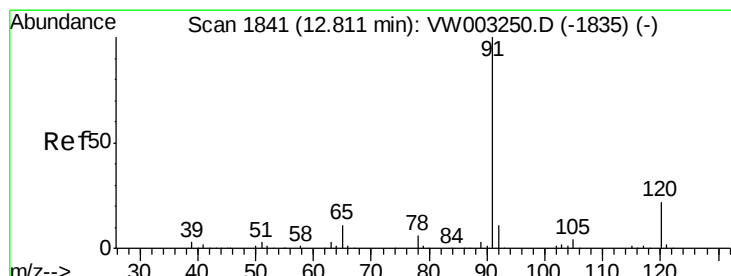
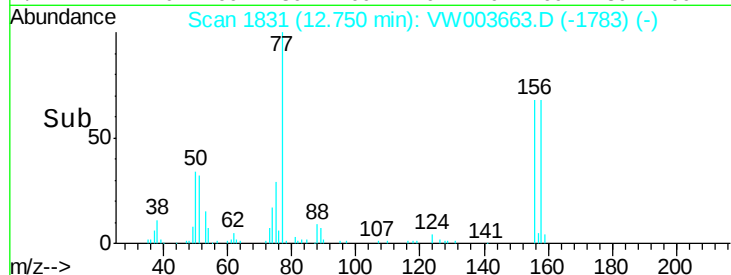
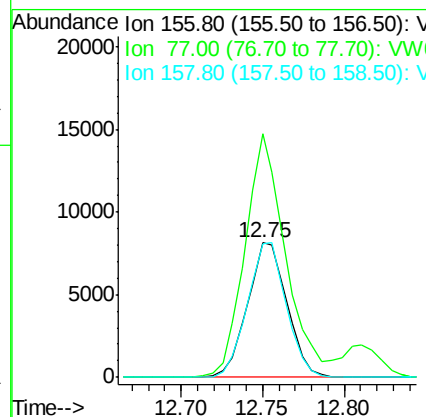
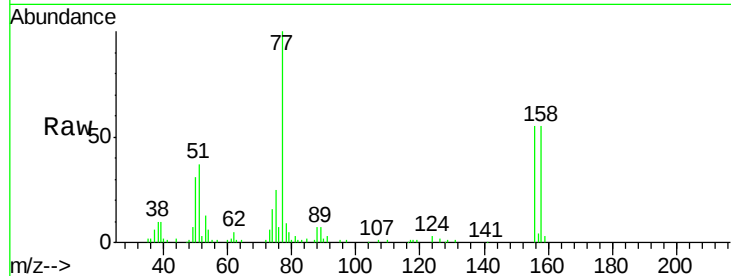
ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion:	156	Resp:	13727
Ion	Ratio	Lower	Upper
156	100		
77	187.1	92.3	276.9
158	98.7	47.5	142.6

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#78

n-propylbenzene

Concen: 5.44 ug/l

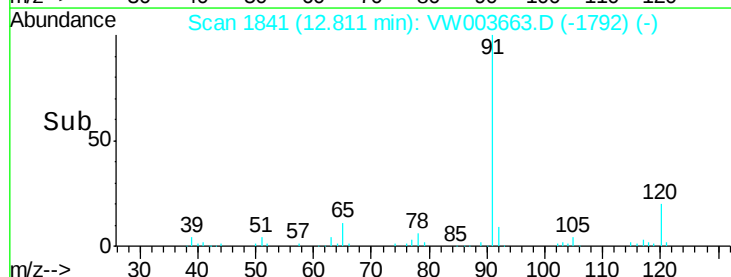
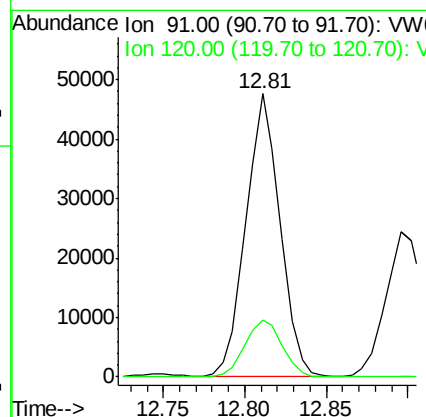
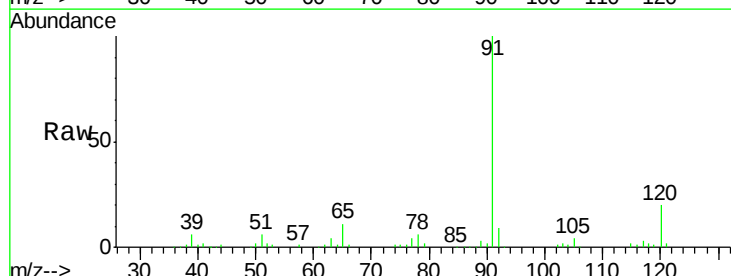
RT: 12.81 min Scan# 1841

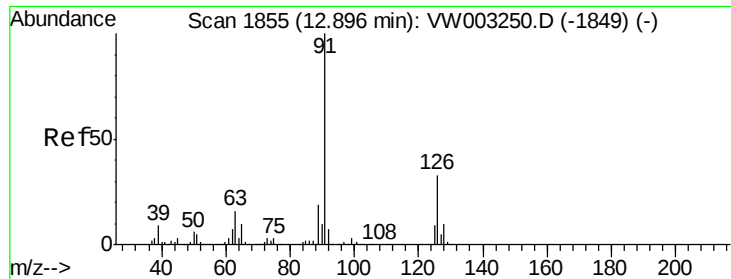
Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tgt Ion:	91	Resp:	69120
Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.3	33.8





#79

2-Chlorotoluene

Concen: 5.45 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion: 91 Resp: 39149

Ion Ratio Lower Upper

91 100

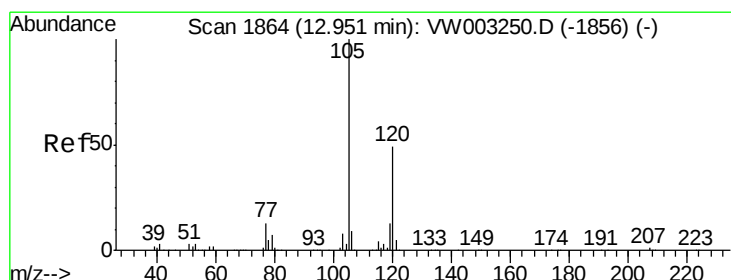
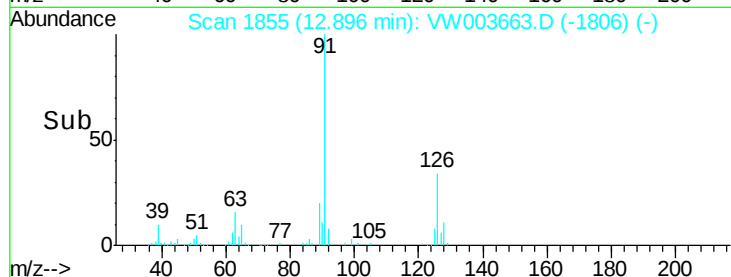
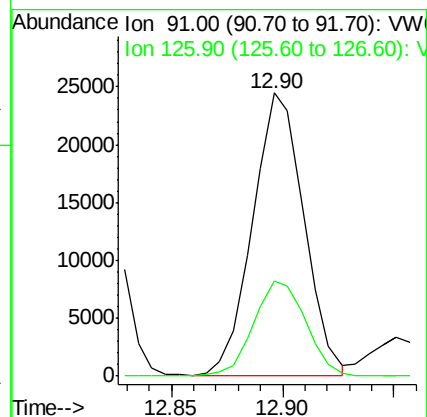
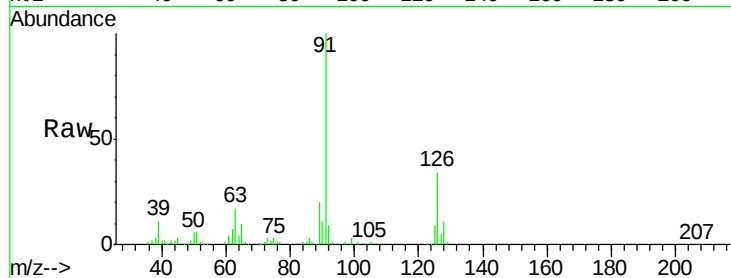
126 34.1 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 5.36 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003663.D

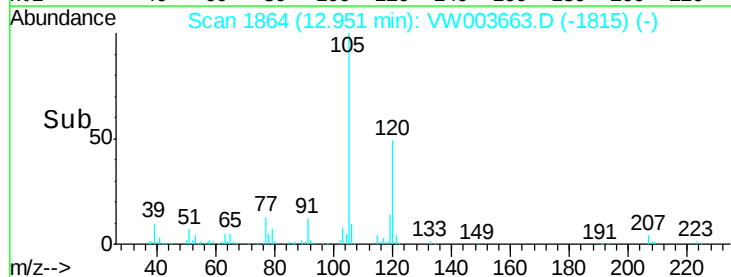
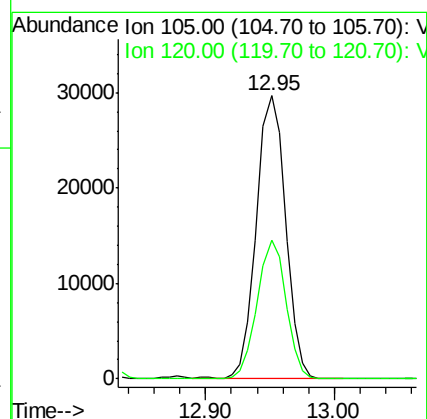
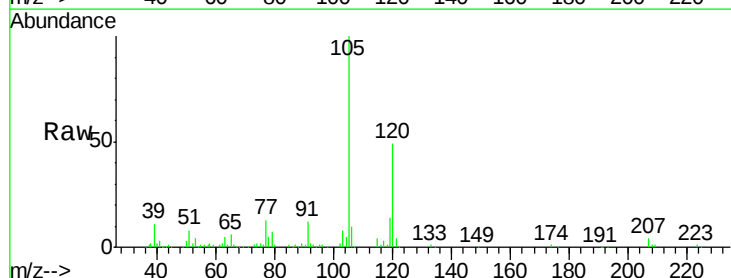
Acq: 29 Jun 2018 16:24

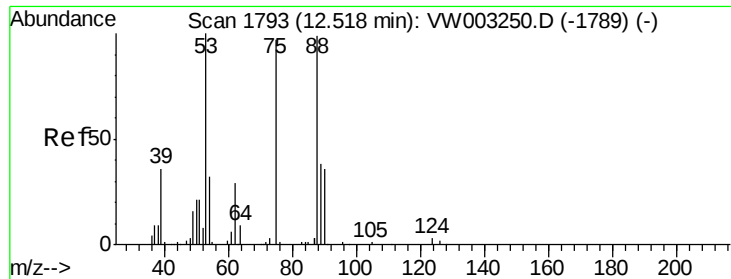
Tgt Ion:105 Resp: 46652

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9





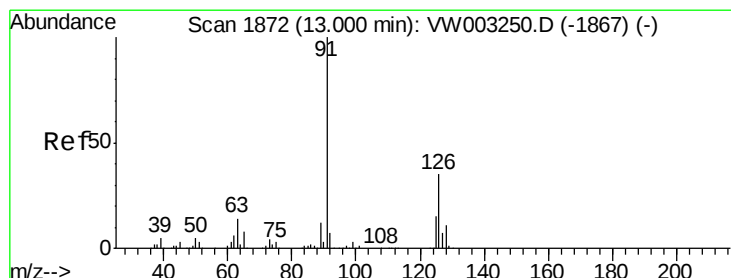
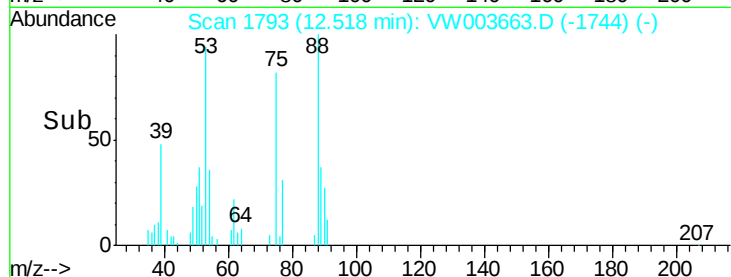
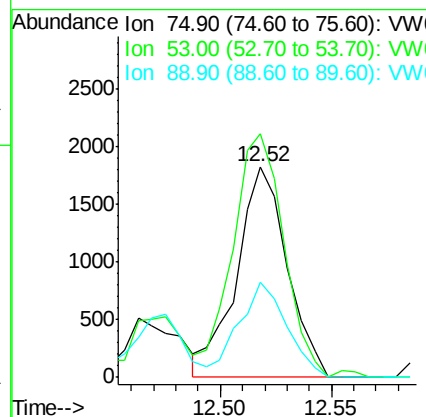
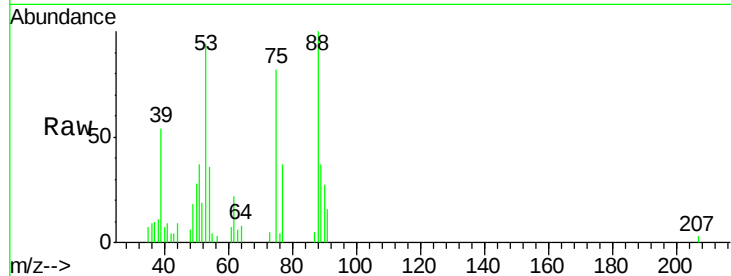
#81
trans-1,4-Dichloro-2-butene
Concen: 5.19 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.2	82.9	124.3
89	42.9	36.7	55.1

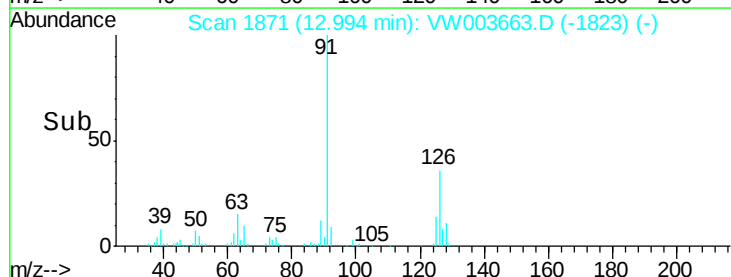
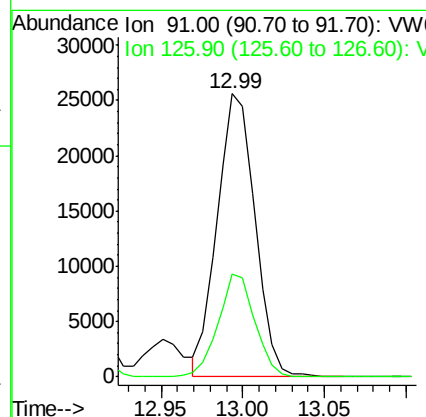
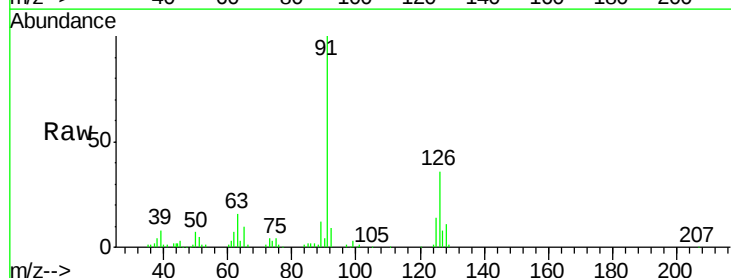
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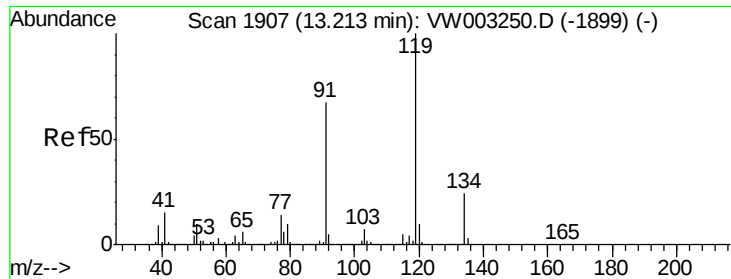
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#82
4-Chlorotoluene
Concen: 5.44 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	16.8	50.3





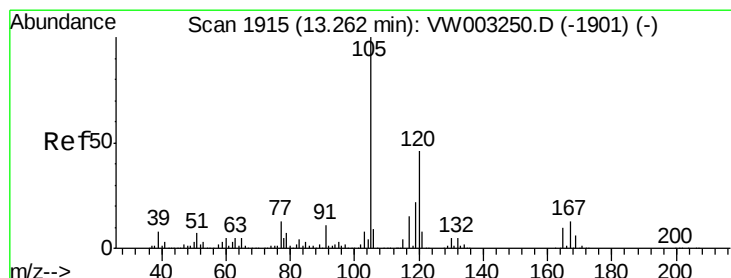
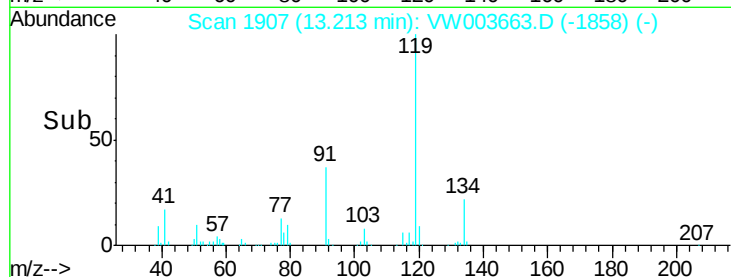
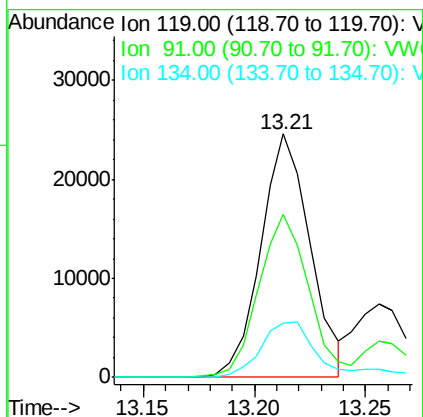
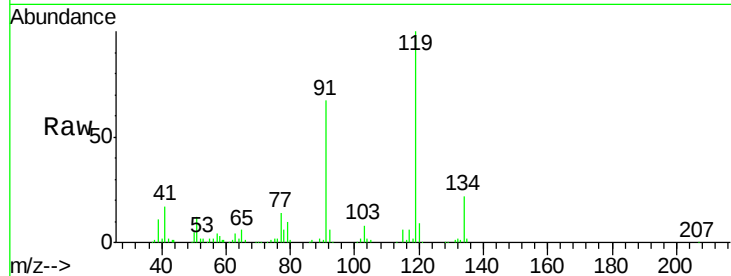
#83
 tert-Butylbenzene
 Concen: 5.09 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.9	101.7
134	27.4	13.4	40.1

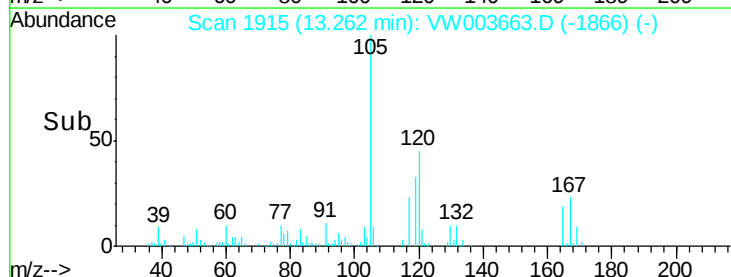
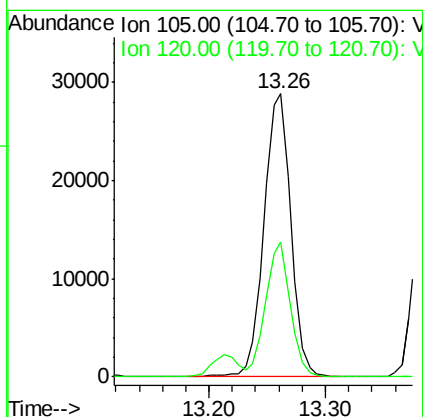
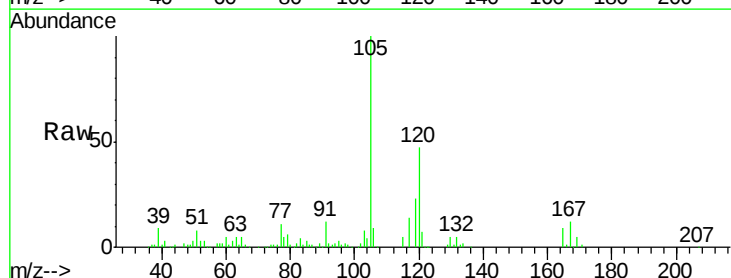
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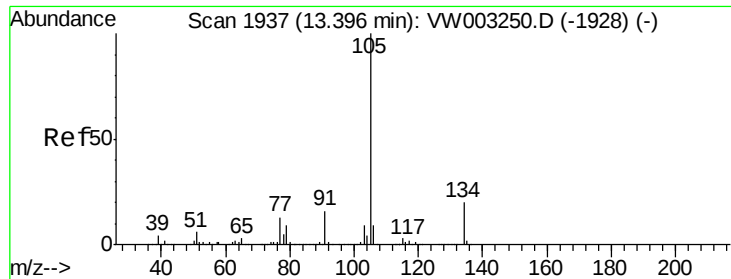
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.18 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.5	67.5





#85

sec-Butylbenzene

Concen: 5.26 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion:105 Resp: 58033

Ion Ratio Lower Upper

105 100

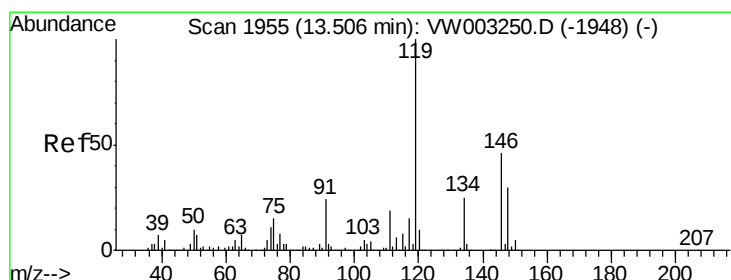
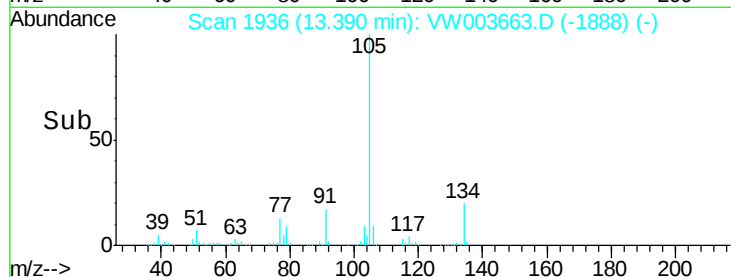
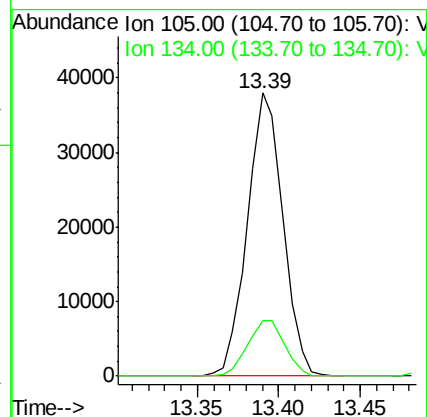
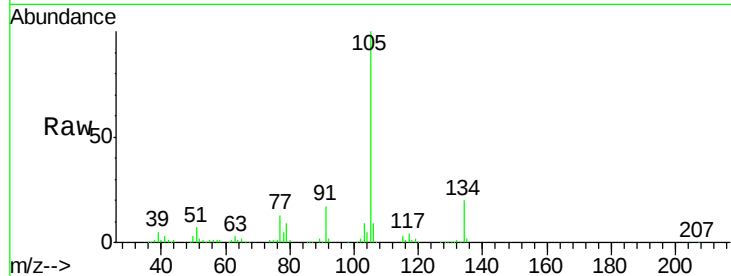
134 20.6 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 5.02 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

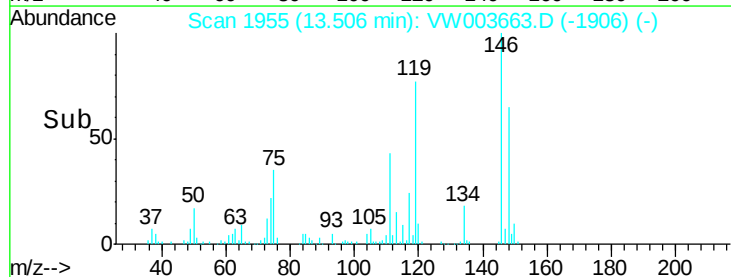
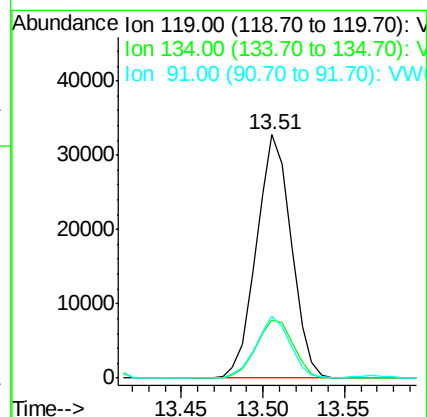
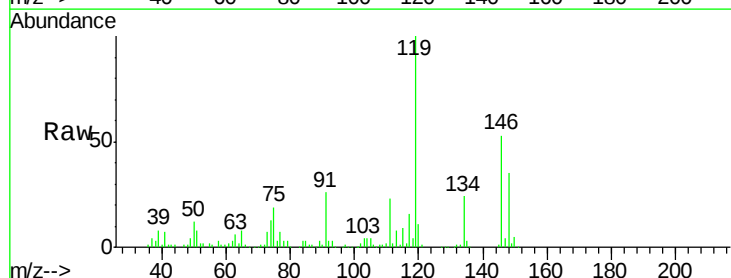
Tgt Ion:119 Resp: 48808

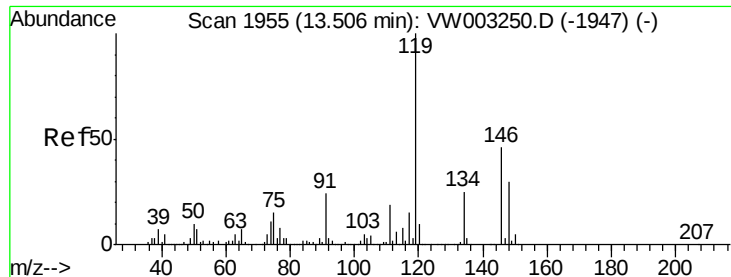
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 25.2 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 5.62 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

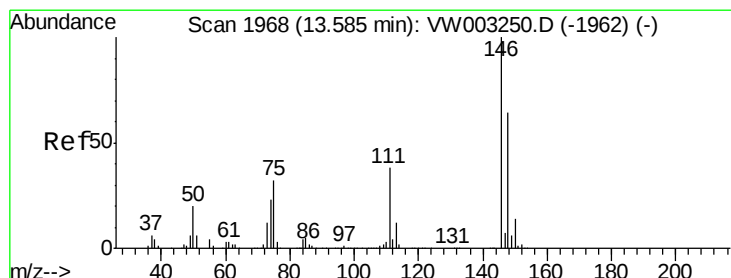
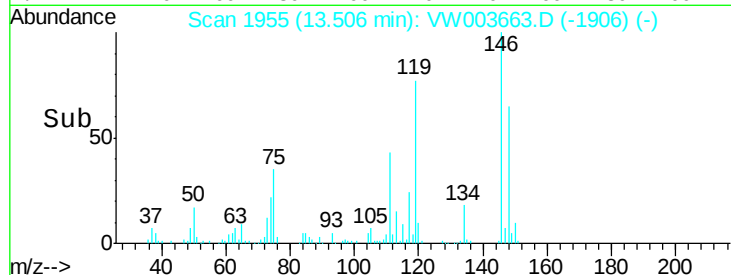
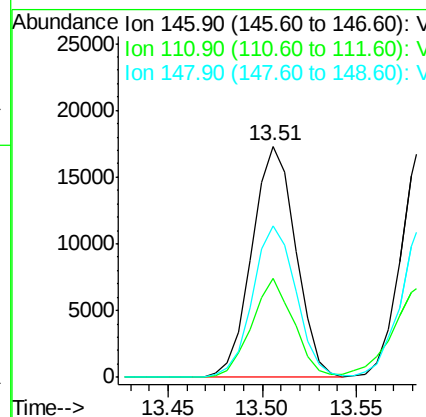
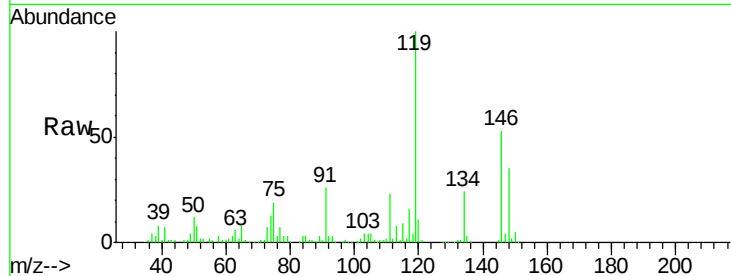
ClientSampleId :

LOQ-SCM-Precision-Bias-4

Tot Ion:	146	Resp:	27875
Ion Ratio	Lower	Upper	
146	100		
111	40.8	19.8	59.4
148	65.1	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 5.91 ug/l

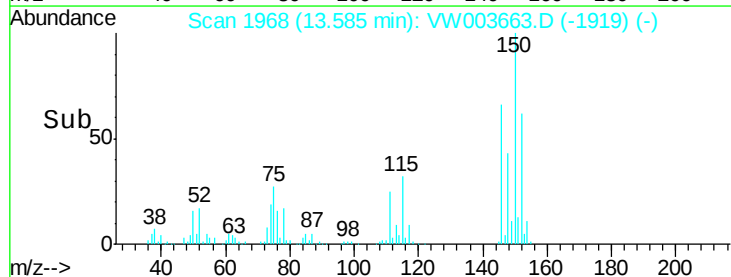
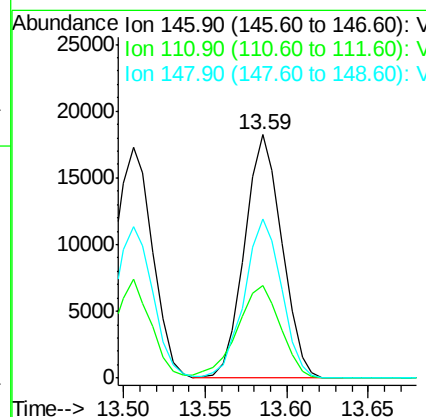
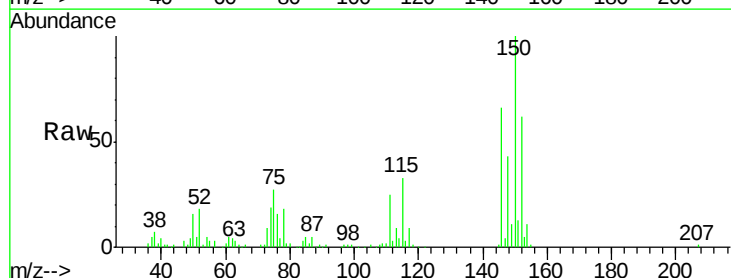
RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tgt Ion:	146	Resp:	29151
Ion Ratio	Lower	Upper	
146	100		
111	44.1	19.2	57.6
148	65.5	31.8	95.4





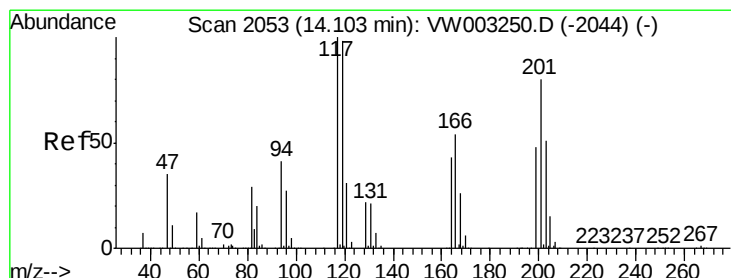
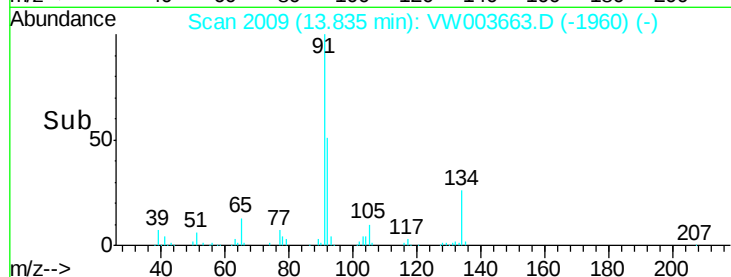
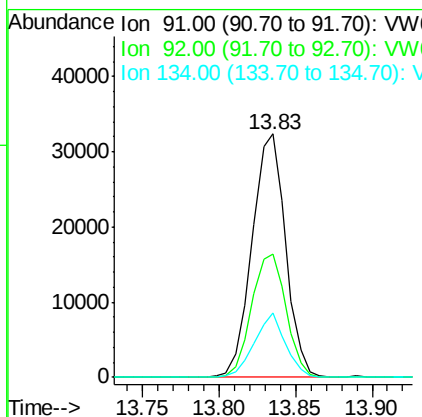
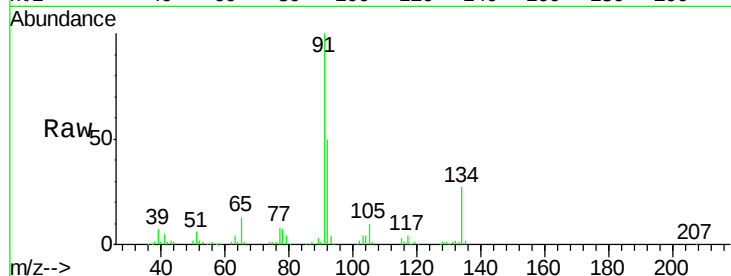
#89
n-Butylbenzene
Concen: 5.22 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	24.5	12.7	38.0

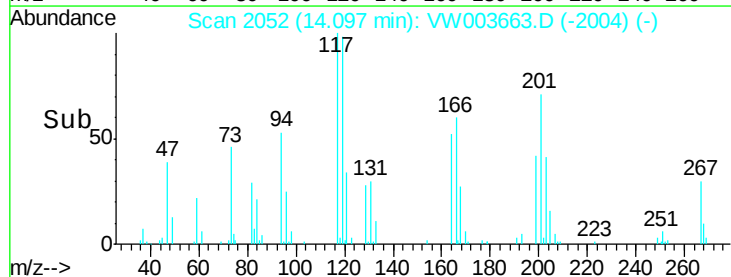
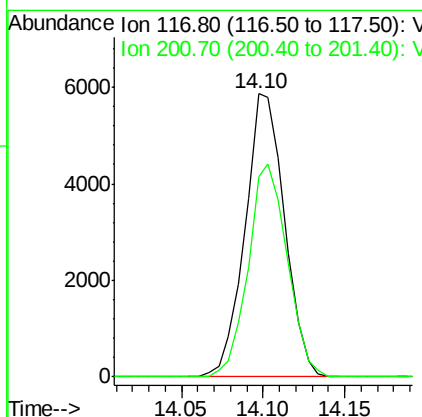
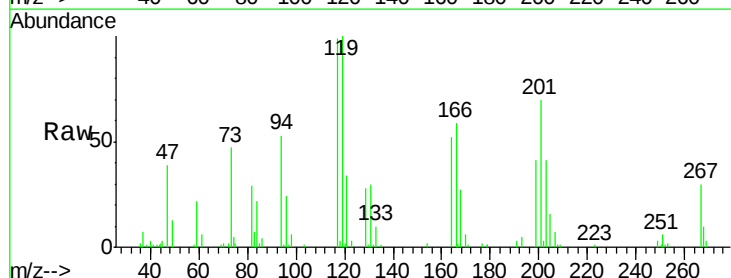
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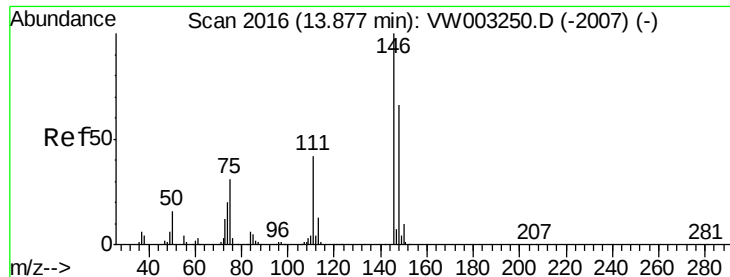
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#90
Hexachloroethane
Concen: 5.62 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.1	39.5	118.5





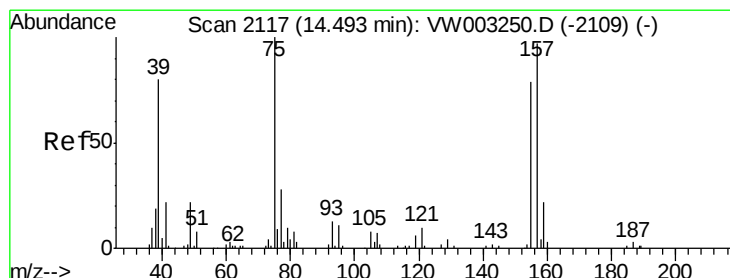
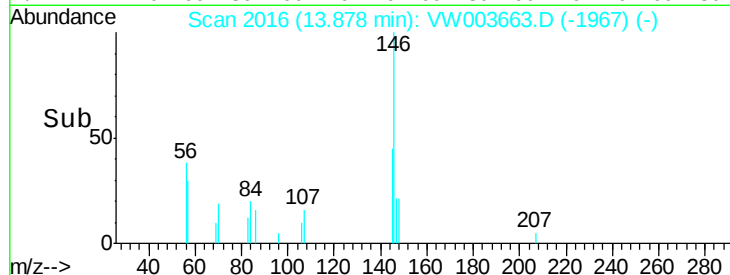
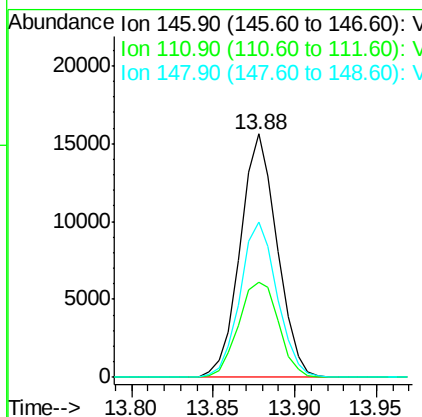
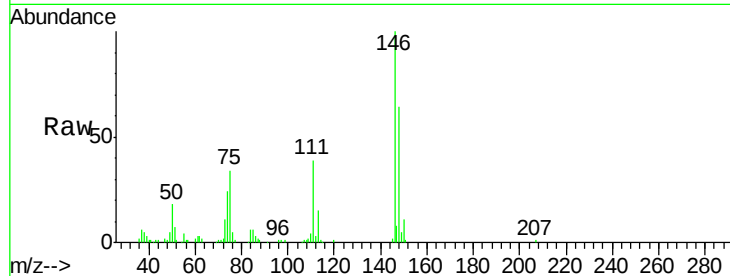
#91
 1,2-Dichlorobenzene
 Concen: 5.67 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	61.0
148	63.8	32.3	96.9

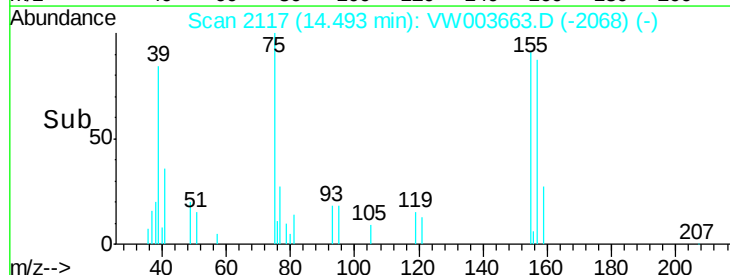
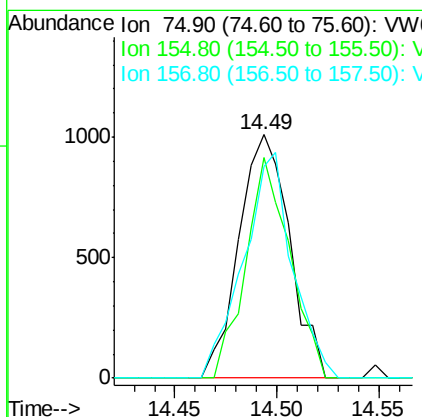
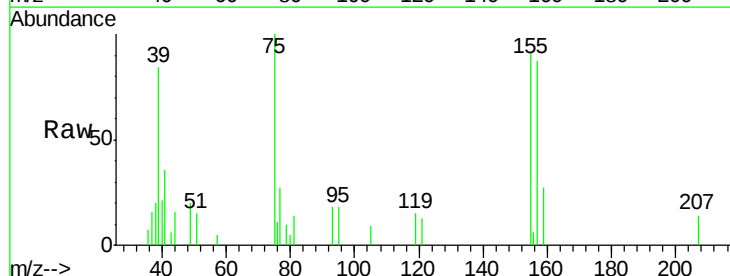
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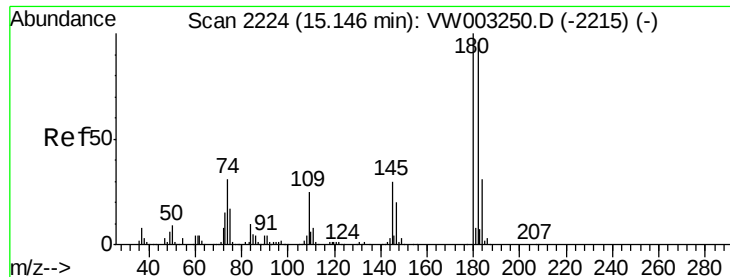
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.90 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.4	118.2
157	90.0	51.5	154.5





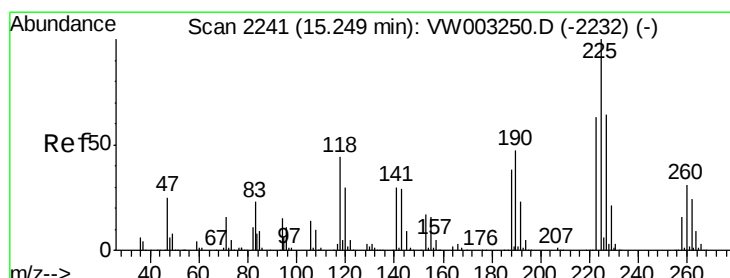
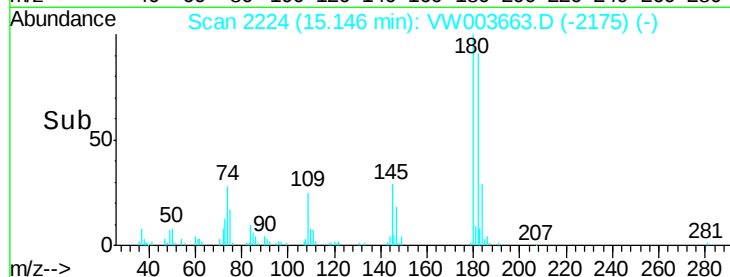
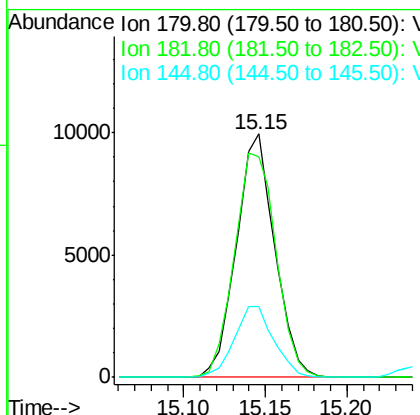
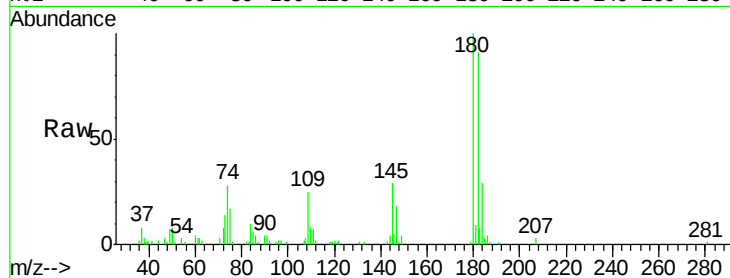
#93
 1,2,4-Trichlorobenzene
 Concen: 5.34 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.0	47.9	143.6
145	30.1	15.2	45.5

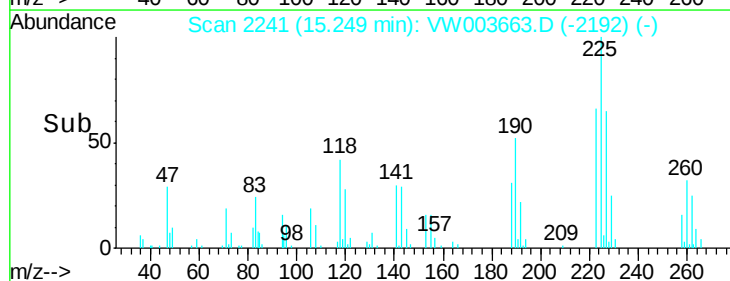
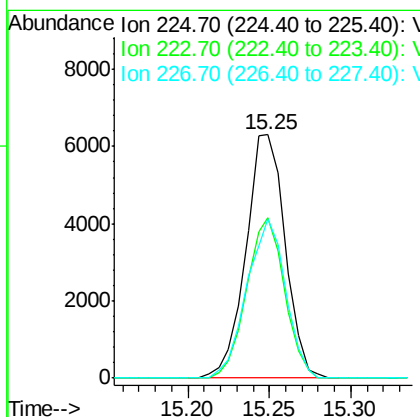
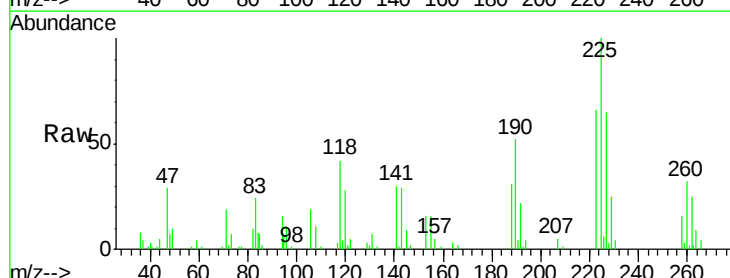
Manual Integrations
 APPROVED

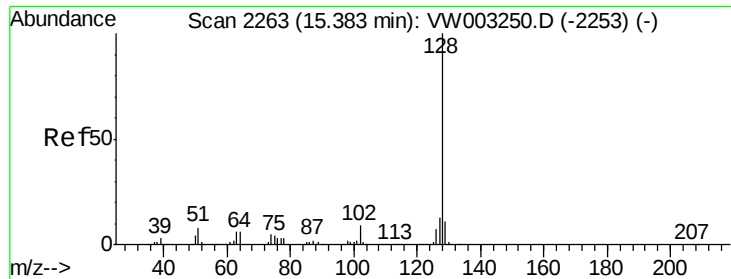
apatel
 7/2/2018 10:30:47 AM



#94
 Hexachlorobutadiene
 Concen: 5.74 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.6	92.0
227	64.4	31.7	95.1





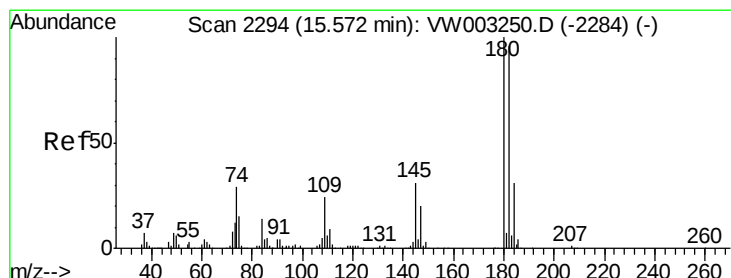
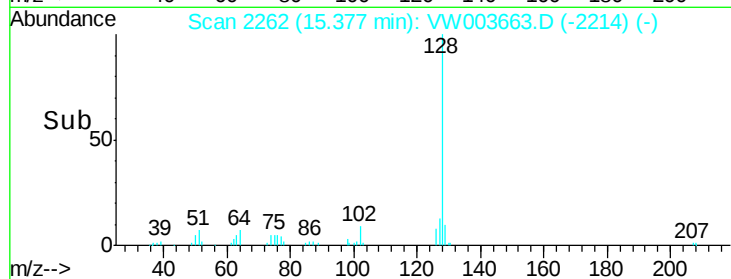
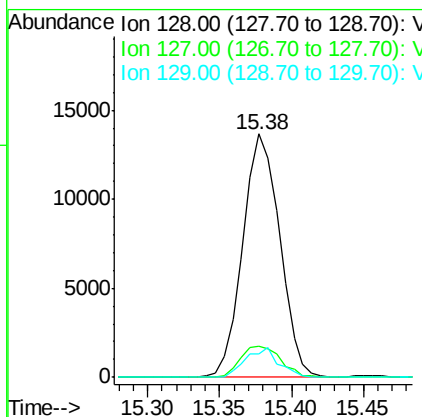
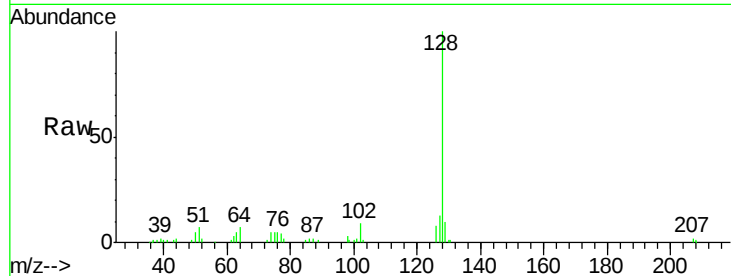
#95
Naphthalene
Concen: 4.70 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-4

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	10.7	8.9	13.3

Manual Integrations
APPROVED

apatel
7/2/2018 10:30:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 5.42 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.9	143.6
145	32.6	15.8	47.4

