

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003662.D
 Acq On : 29 Jun 2018 15:58
 Operator : SY/AP
 Sample : J2923-03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Manual Integrations
 APPROVED

apatel
 7/2/2018 10:30:43 AM

Quant Time: Jun 30 04:35:33 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	186707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	298979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	147179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116157	57.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.88%	
35) Dibromofluoromethane	7.88	113	102999	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
50) Toluene-d8	10.33	98	394603	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.62	95	141997	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	4572	8.10	ug/l	94
3) Chloromethane	2.21	50	9396	6.59	ug/l	92
4) Vinyl Chloride	2.36	62	13813	6.64	ug/l	97
5) Bromomethane	2.78	94	8767	6.34	ug/l	92
6) Chloroethane	2.92	64	7786	5.38	ug/l	98
7) Trichlorofluoromethane	3.25	101	7338	5.89	ug/l	99
8) Diethyl Ether	3.67	74	6070	6.63	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.04	101	10601	6.13	ug/l	98
10) Methyl Iodide	4.26	142	15776	6.03	ug/l	100
11) Tert butyl alcohol	5.23	59	3832m	35.33	ug/l	
12) 1,1-Dichloroethene	4.03	96	11193	6.62	ug/l	86
13) Acrolein	3.89	56	3006	19.39	ug/l #	82
14) Allyl chloride	4.65	41	17610	6.02	ug/l	98
15) Acrylonitrile	5.38	53	12447	33.06	ug/l	98
16) Acetone	4.15	43	15886	37.45	ug/l	100
17) Carbon Disulfide	4.37	76	32770	6.56	ug/l	100
18) Methyl Acetate	4.68	43	10060	10.00	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	18025	5.69	ug/l	93
20) Methylene Chloride	4.91	84	21319	8.81	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	11113	6.04	ug/l	97
22) Diisopropyl ether	6.32	45	32293	5.48	ug/l	94
23) Vinyl Acetate	6.26	43	81747	24.08	ug/l	97
24) 1,1-Dichloroethane	6.21	63	21923	6.27	ug/l #	89
25) 2-Butanone	7.19	43	19590	37.14	ug/l	95
26) 2,2-Dichloropropane	7.17	77	15694	6.72	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	11993	5.94	ug/l	93
28) Bromochloromethane	7.51	49	9271	6.37	ug/l	95
29) Tetrahydrofuran	7.54	42	10011	31.06	ug/l	96
30) Chloroform	7.68	83	22010	6.18	ug/l	98
31) Cyclohexane	7.96	56	22141	6.78	ug/l #	89
32) 1,1,1-Trichloroethane	7.87	97	18143	6.17	ug/l	98
36) 1,1-Dichloropropene	8.08	75	17153	5.94	ug/l	98
37) Ethyl Acetate	7.26	43	7404	6.19	ug/l #	95
38) Carbon Tetrachloride	8.07	117	16903	5.97	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	18349	5.49	ug/l	91
40) Benzene	8.33	78	48723	6.12	ug/l	99
41) Methacrylonitrile	7.49	41	4785	6.52	ug/l	91
42) 1,2-Dichloroethane	8.40	62	15521	6.22	ug/l	98
43) Isopropyl Acetate	8.43	43	14925	6.28	ug/l	98
44) Trichloroethene	9.09	130	12664	6.00	ug/l	97
45) 1,2-Dichloropropane	9.37	63	12100	5.97	ug/l	95
46) Dibromomethane	9.46	93	6526	6.29	ug/l	99
47) Bromodichloromethane	9.65	83	15705	5.91	ug/l	95
48) Methyl methacrylate	9.44	41	6478	5.80	ug/l	93
49) 1,4-Dioxane	9.49	88	1832	116.95	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	35474	29.31	ug/l	99
52) Toluene	10.39	92	31118	6.10	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	15969	5.88	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	17233	5.57	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	9205	6.30	ug/l	95
56) Ethyl methacrylate	10.65	69	9423	5.31	ug/l	97
57) 1,3-Dichloropropane	10.93	76	15608	6.19	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	22248	27.96	ug/l	100
59) 2-Hexanone	10.98	43	24830	29.37	ug/l	96
60) Dibromochloromethane	11.13	129	9663	5.56	ug/l	99
61) 1,2-Dibromoethane	11.24	107	8419	6.09	ug/l	99
64) Tetrachloroethene	10.87	164	11630	6.25	ug/l	96
65) Chlorobenzene	11.66	112	32922	5.68	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	11100	5.45	ug/l	94
67) Ethyl Benzene	11.74	91	55208	5.37	ug/l	97
68) m/p-Xylenes	11.85	106	40246	10.30	ug/l	98
69) o-Xylene	12.17	106	18738	5.18	ug/l	96
70) Styrene	12.19	104	28683	4.76	ug/l	96
71) Bromoform	12.35	173	5858	5.55	ug/l #	99
73) Isopropylbenzene	12.47	105	50350	4.92	ug/l	100
74) N-amyl acetate	12.28	43	12751	5.47	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	10966	6.33	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	8468m	6.73	ug/l	
77) Bromobenzene	12.75	156	13287	5.57	ug/l	97
78) n-propylbenzene	12.81	91	66123	5.28	ug/l	100
79) 2-Chlorotoluene	12.90	91	37283	5.26	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	42965	5.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2818	5.15	ug/l	96
82) 4-Chlorotoluene	12.99	91	40826	5.43	ug/l	99
83) tert-Butylbenzene	13.21	119	34914	4.77	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	44622	5.05	ug/l	99
85) sec-Butylbenzene	13.39	105	55187	5.07	ug/l	100
86) p-Isopropyltoluene	13.51	119	45541	4.74	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	27483	5.61	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	28230	5.80	ug/l	95
89) n-Butylbenzene	13.84	91	47299	5.05	ug/l	98
90) Hexachloroethane	14.10	117	9509	5.48	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	24835	5.79	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1981	6.80	ug/l	81

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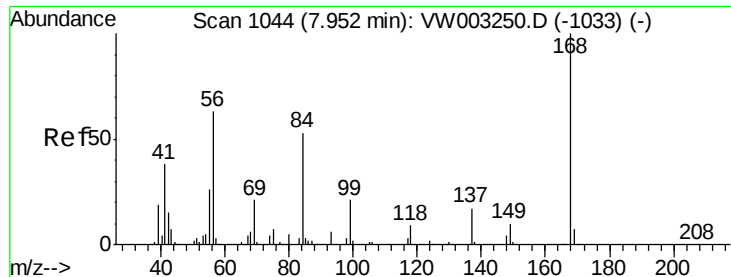
Manual Integrations
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QLast Update : Sat Jun 16 05:18:54 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	15576	5.17	ug/l	99
94) Hexachlorobutadiene	15.25	225	9878	5.45	ug/l	95
95) Naphthalene	15.38	128	24705	4.84	ug/l	97
96) 1,2,3-Trichlorobenzene	15.57	180	14181	5.35	ug/l	96

(#) = 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: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion:168 Resp: 186707

Ion Ratio Lower Upper

168 100

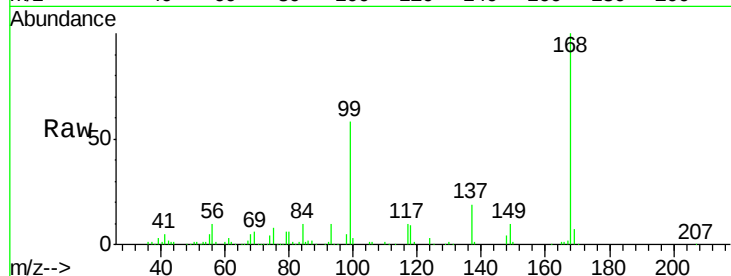
99 57.5 45.5 68.3

Manual Integrations

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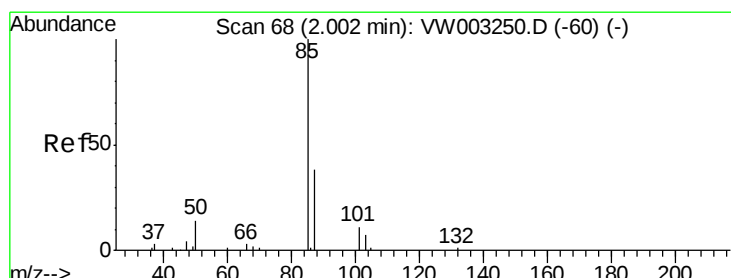
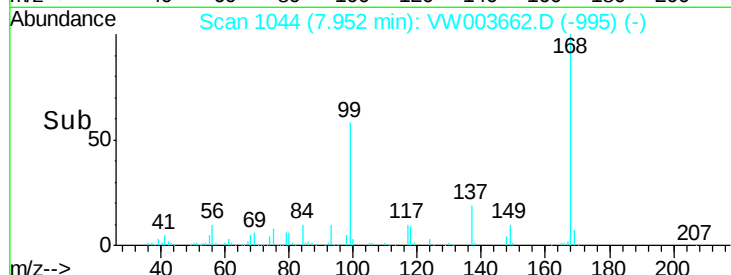
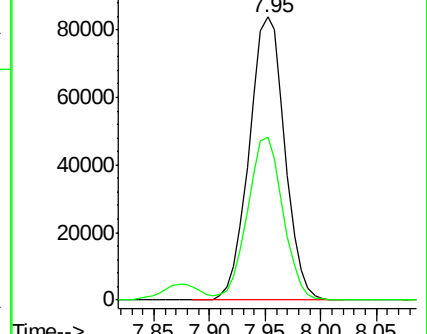
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 8.10 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003662.D

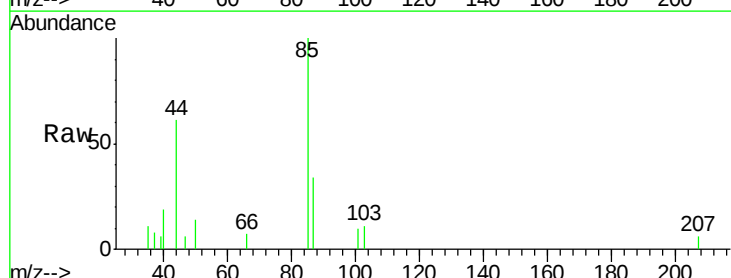
Acq: 29 Jun 2018 15:58

Tgt Ion: 85 Resp: 4572

Ion Ratio Lower Upper

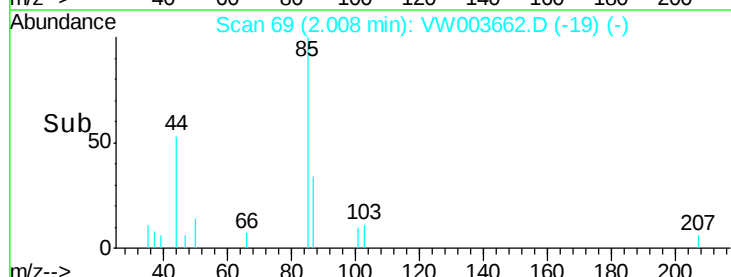
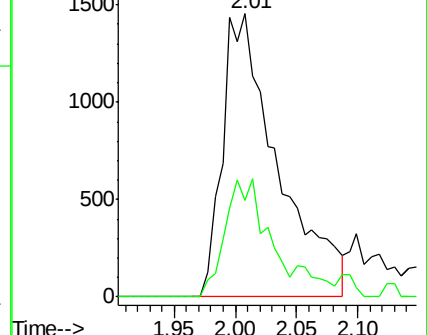
85 100

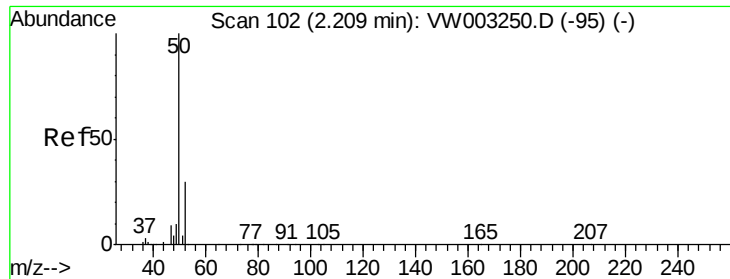
87 34.0 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 6.59 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 50 Resp: 9396

Ion Ratio Lower Upper

50 100

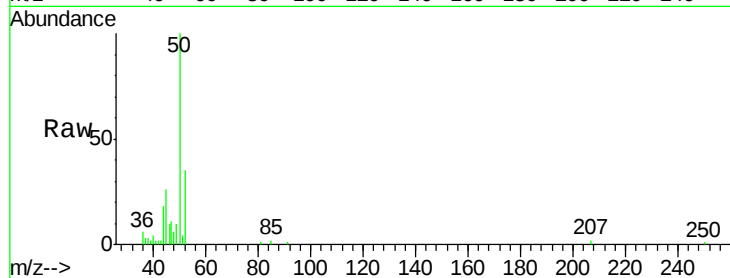
52 34.6 24.2 36.2

Manual Integrations

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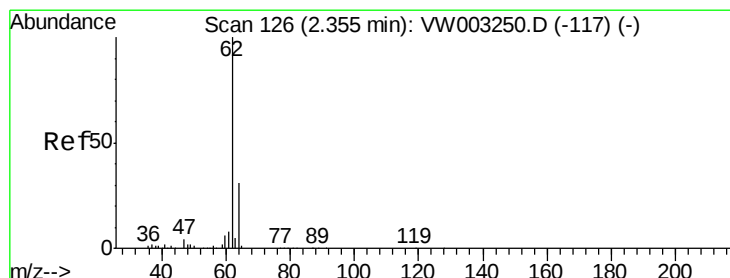
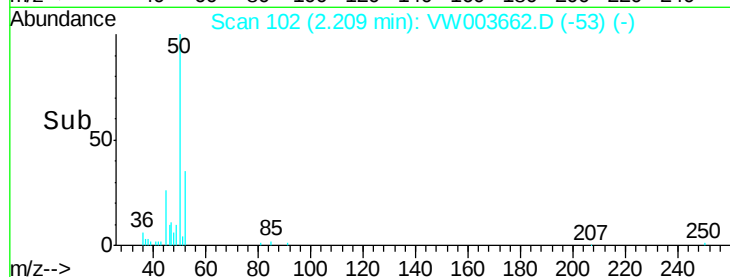
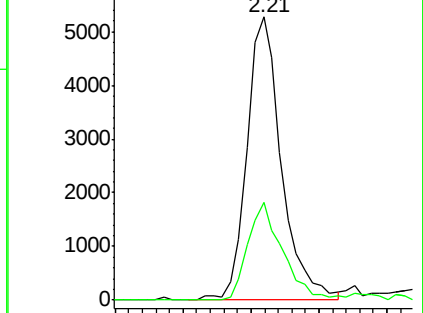
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 6.64 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003662.D

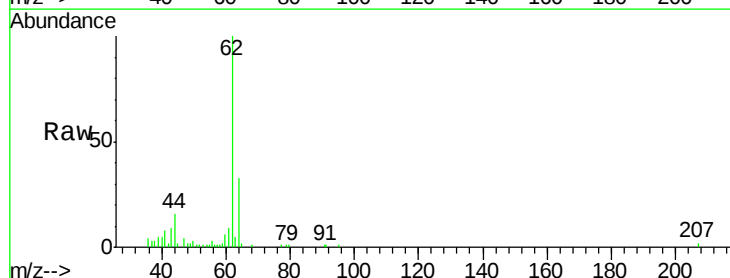
Acq: 29 Jun 2018 15:58

Tgt Ion: 62 Resp: 13813

Ion Ratio Lower Upper

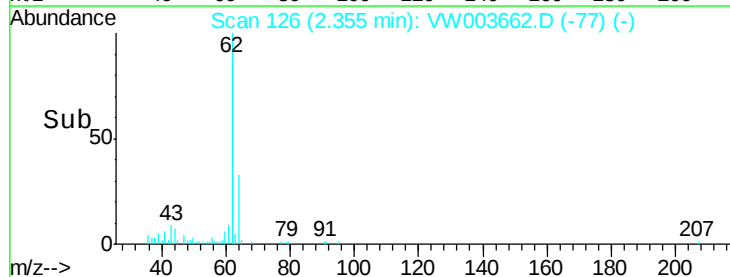
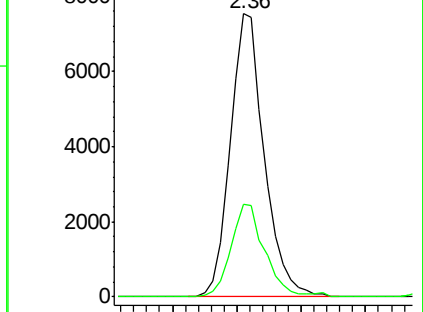
62 100

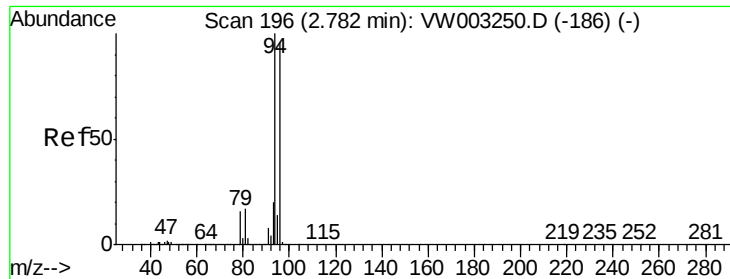
64 32.6 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 6.34 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 94 Resp: 8767

Ion Ratio Lower Upper

94 100

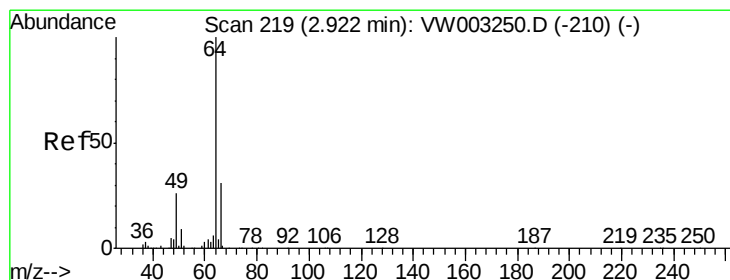
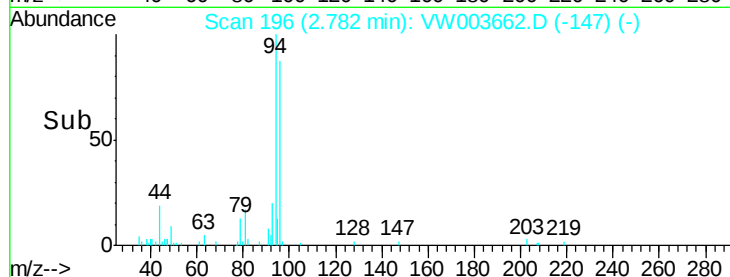
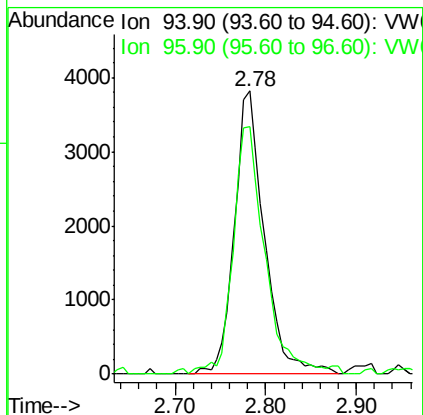
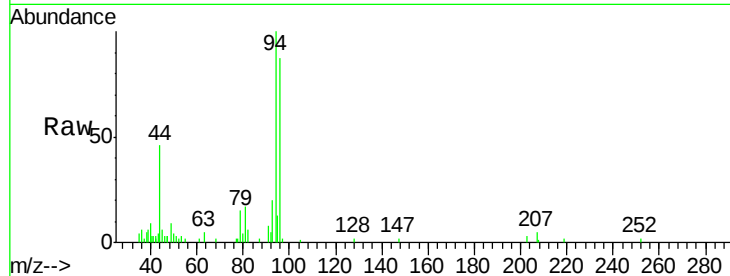
96 87.3 76.5 114.7

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#6

Chloroethane

Concen: 5.38 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003662.D

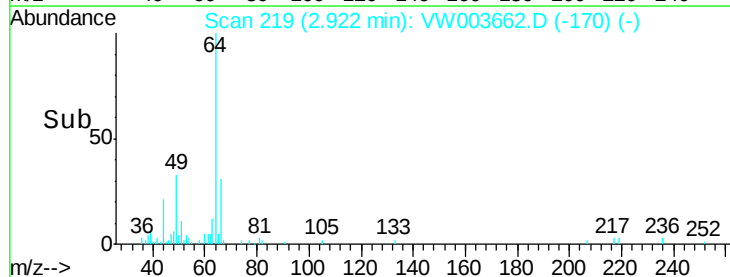
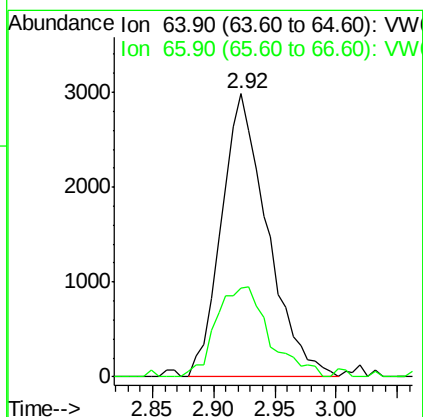
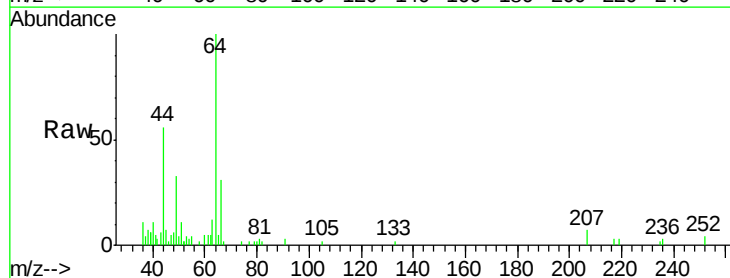
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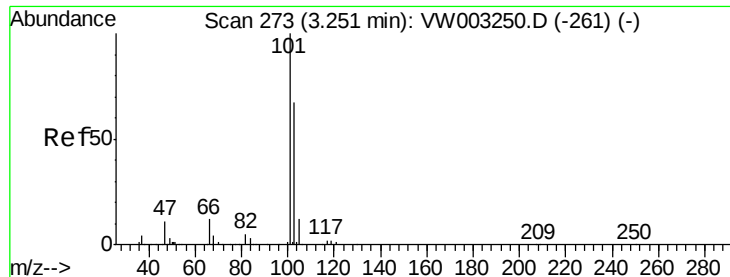
Tgt Ion: 64 Resp: 7786

Ion Ratio Lower Upper

64 100

66 29.5 24.4 36.6





#7

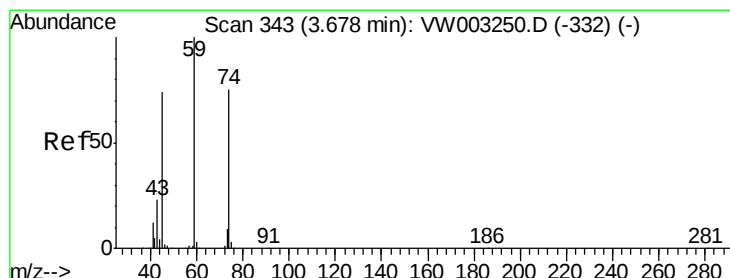
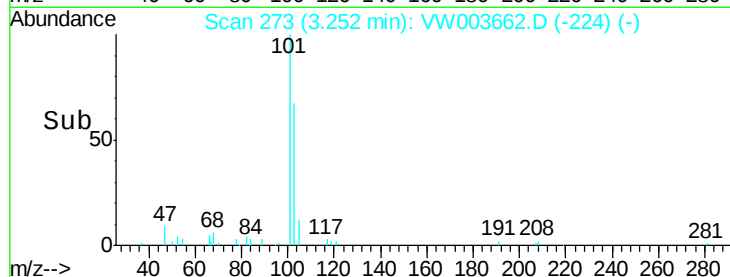
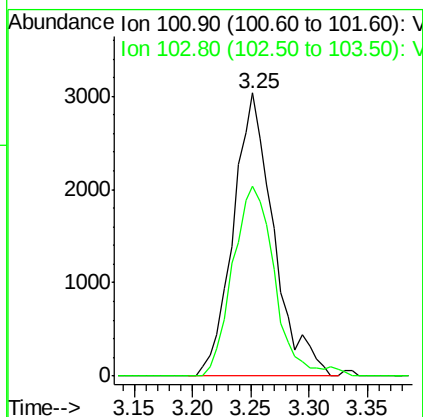
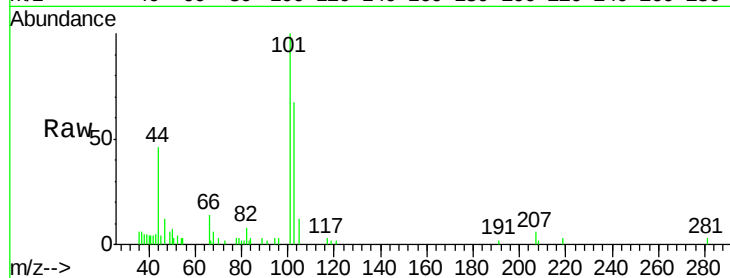
Trichlorofluoromethane
Concen: 5.89 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	53.4	80.0

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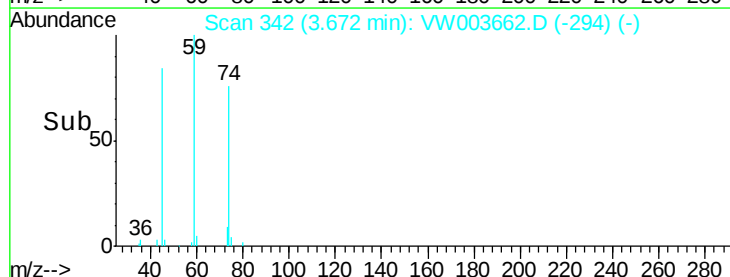
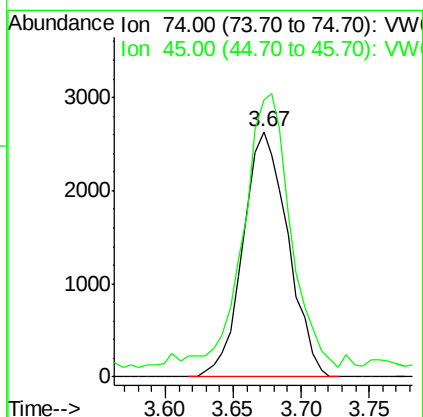
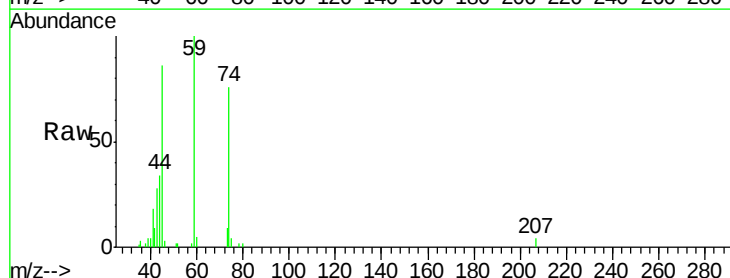
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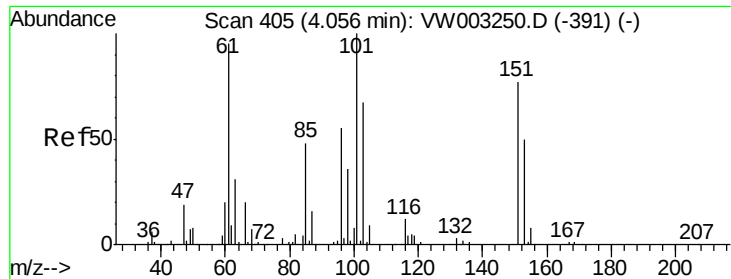


#8

Diethyl Ether
Concen: 6.63 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.5	51.4	154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.13 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

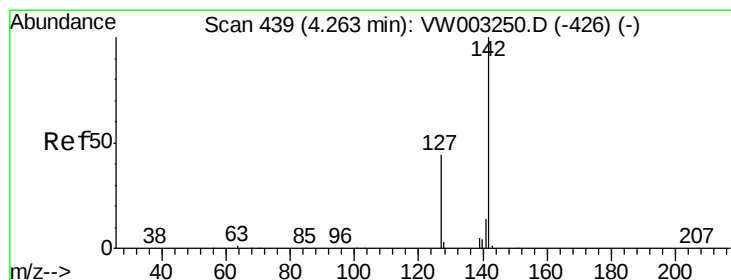
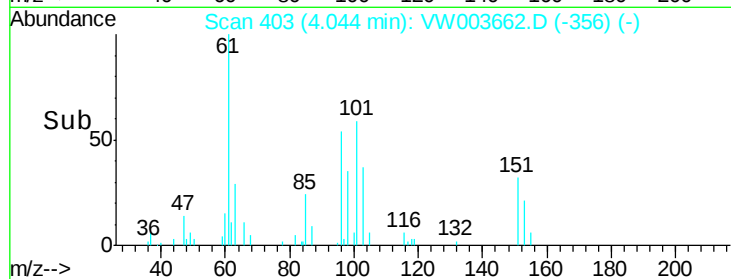
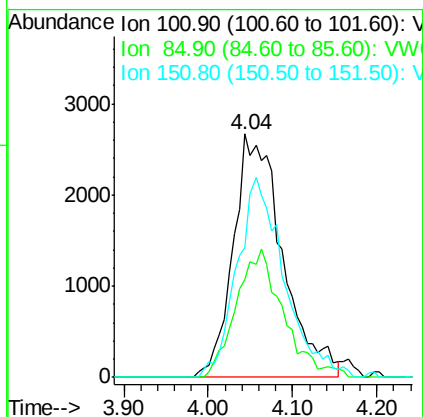
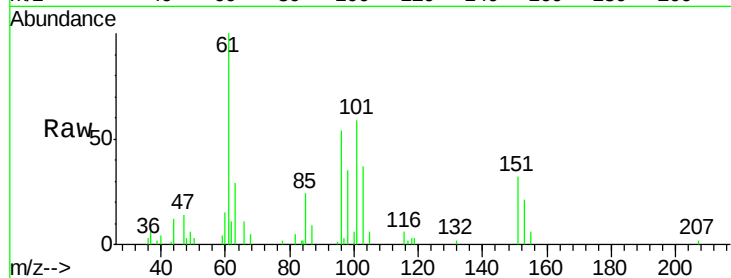
ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion:	101	Resp:	10601
Ion Ratio	Lower	Upper	
101	100		
85	49.1	37.0	55.6
151	79.1	63.3	94.9

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#10

Methyl Iodide

Concen: 6.03 ug/l

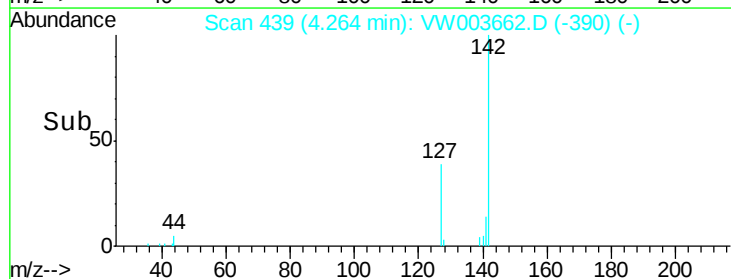
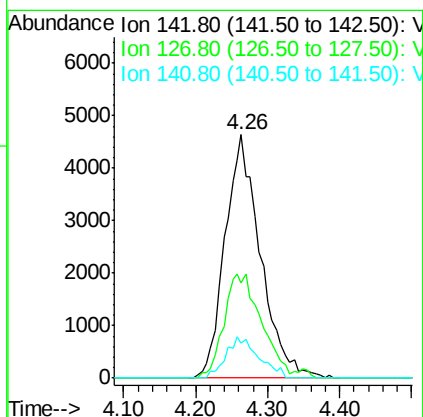
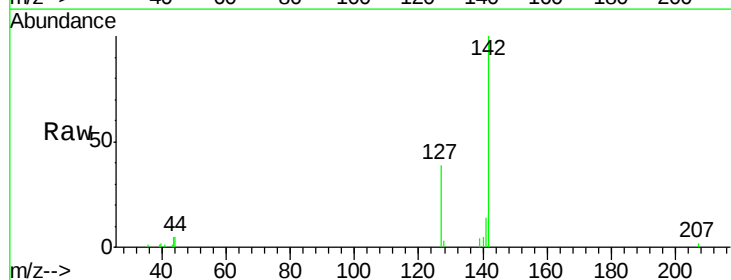
RT: 4.26 min Scan# 439

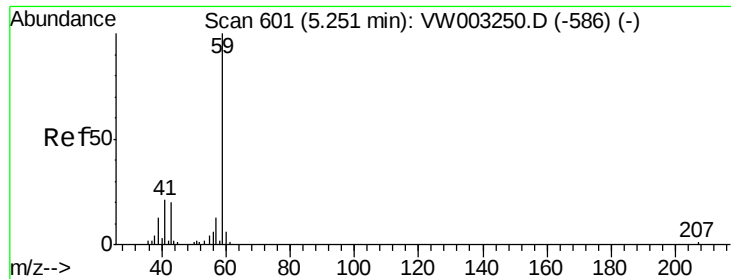
Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion:	142	Resp:	15776
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.5	54.7
141	15.6	12.1	18.1





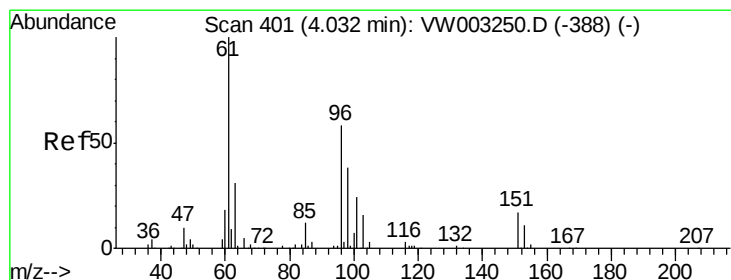
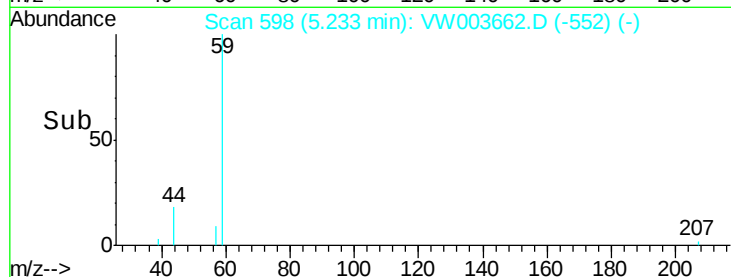
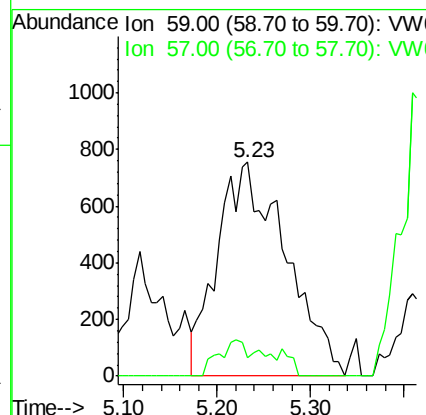
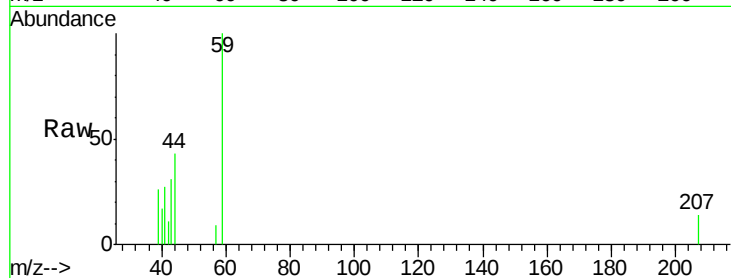
#11
Tert butyl alcohol
Concen: 35.33 ug/l m
RT: 5.23 min Scan# 598
Delta R.T. -0.02 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion: 59 Resp: 3832
Ion Ratio Lower Upper
59 100
57 7.5 4.2 6.2#

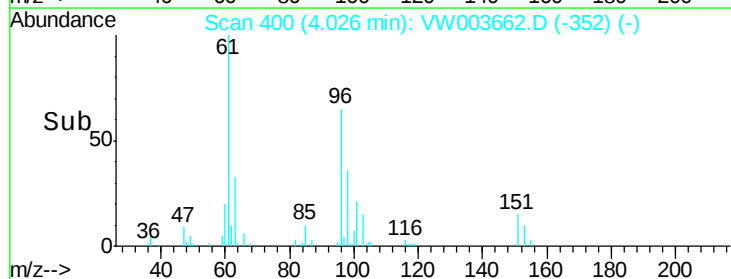
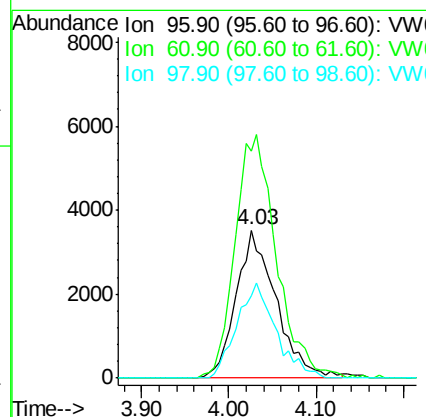
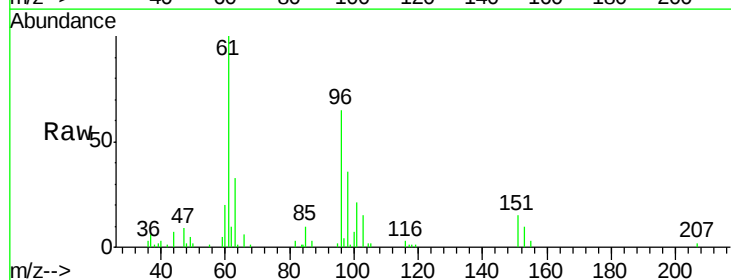
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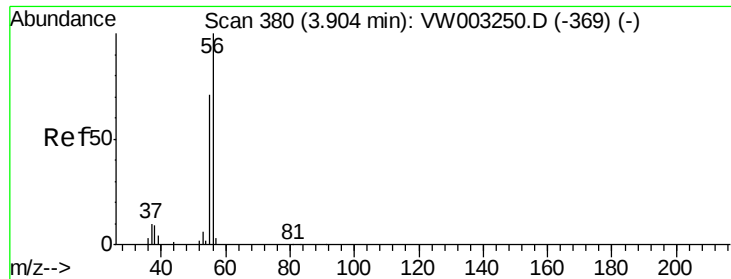
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#12
1,1-Dichloroethene
Concen: 6.62 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 96 Resp: 11193
Ion Ratio Lower Upper
96 100
61 153.7 139.0 208.4
98 55.9 53.3 79.9





#13

Acrolein

Concen: 19.39 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 56 Resp: 3006

Ion Ratio Lower Upper

56 100

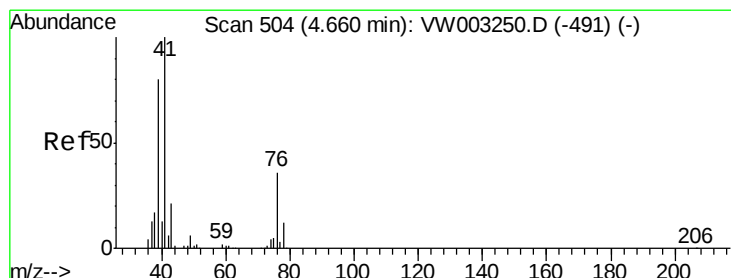
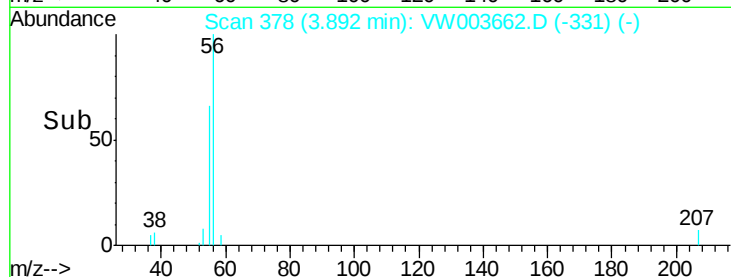
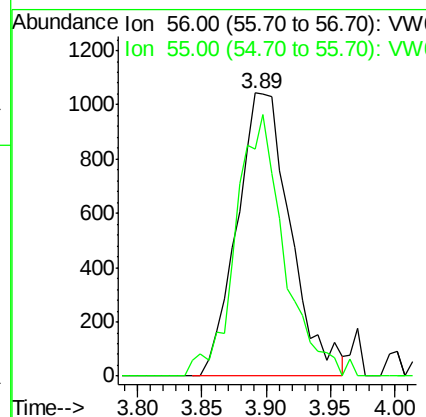
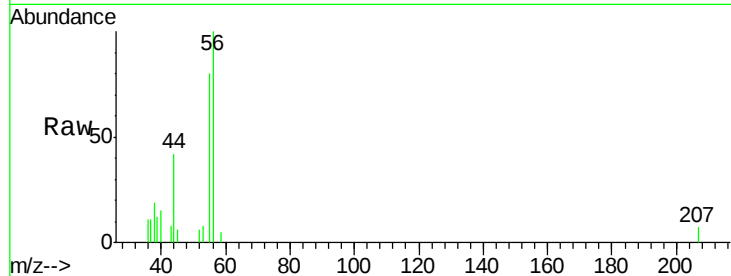
55 83.8 55.4 83.2#

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#14

Allyl chloride

Concen: 6.02 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

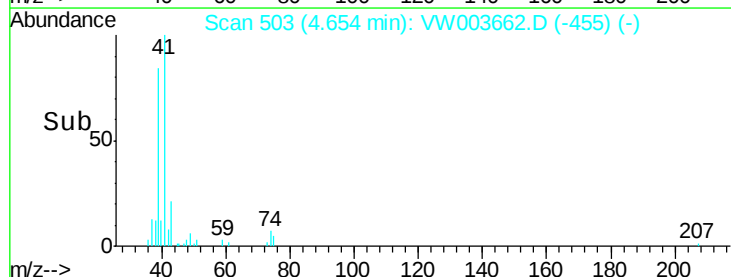
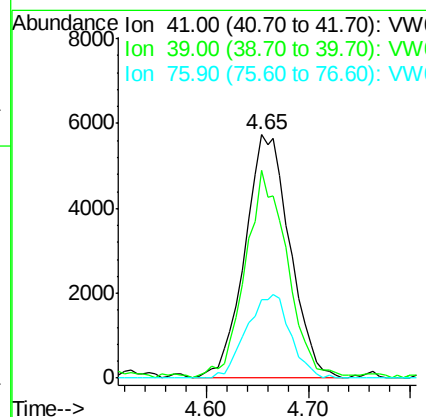
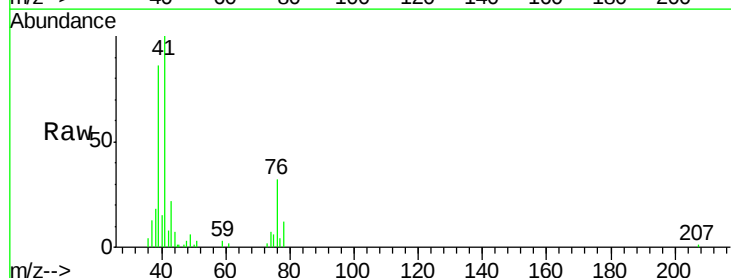
Tgt Ion: 41 Resp: 17610

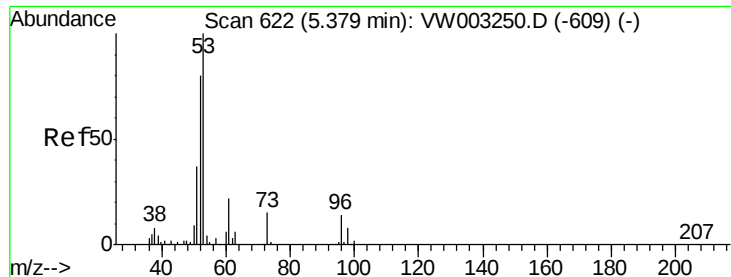
Ion Ratio Lower Upper

41 100

39 80.0 63.2 94.8

76 33.2 28.0 42.0





#15

Acrylonitrile

Concen: 33.06 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

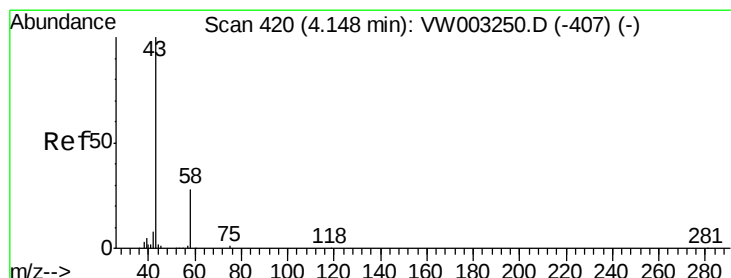
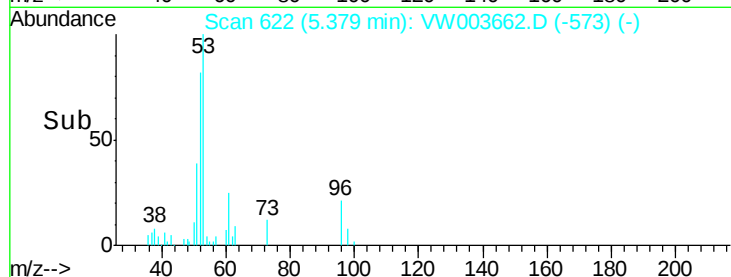
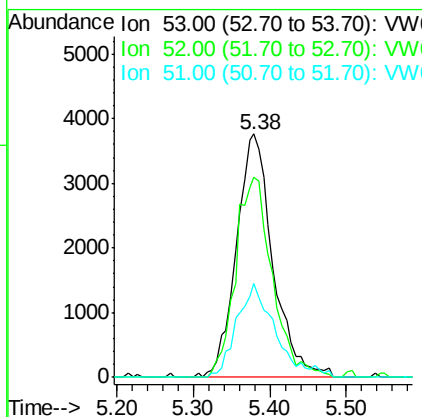
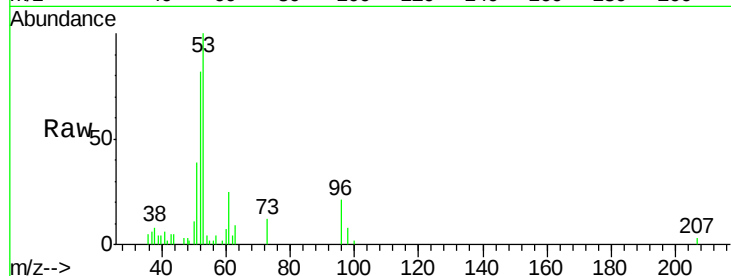
ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion:	53	Resp:	12447
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	40.9	30.6	46.0

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#16

Acetone

Concen: 37.45 ug/l

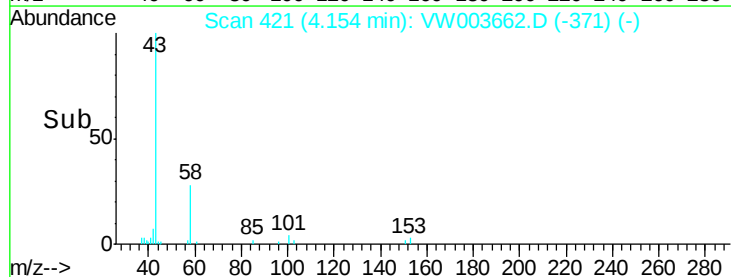
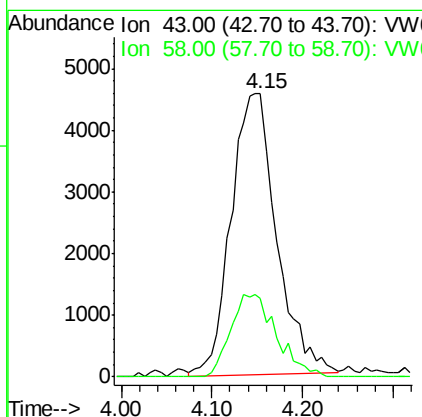
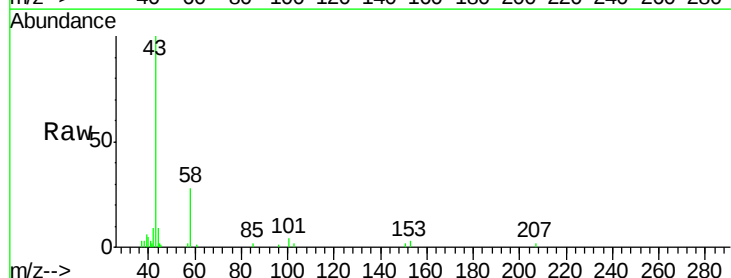
RT: 4.15 min Scan# 421

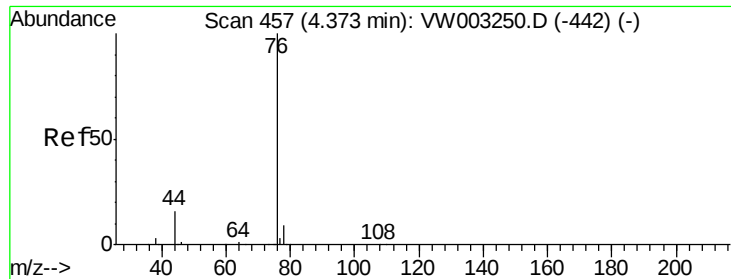
Delta R.T. 0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion:	43	Resp:	15886
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.6	34.0





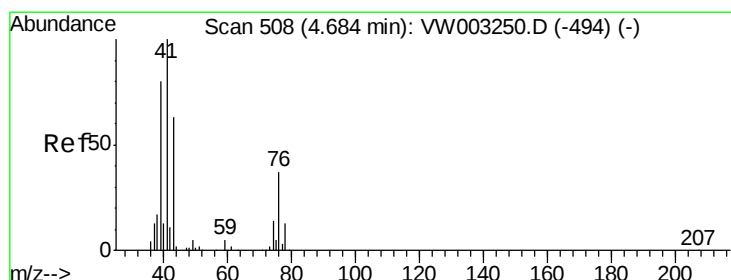
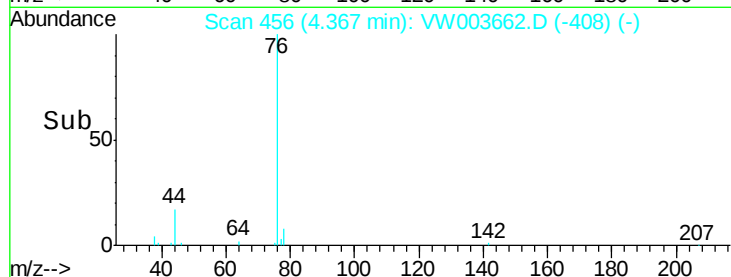
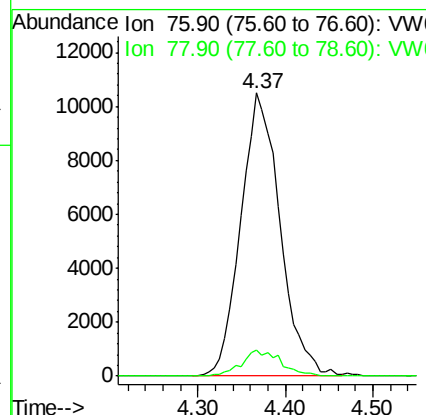
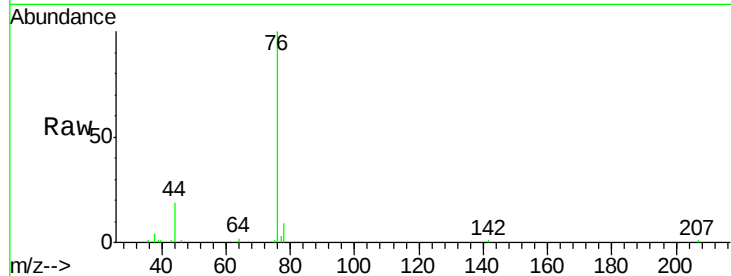
#17
Carbon Disulfide
Concen: 6.56 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

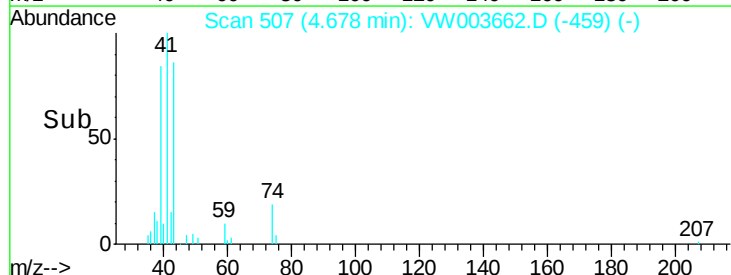
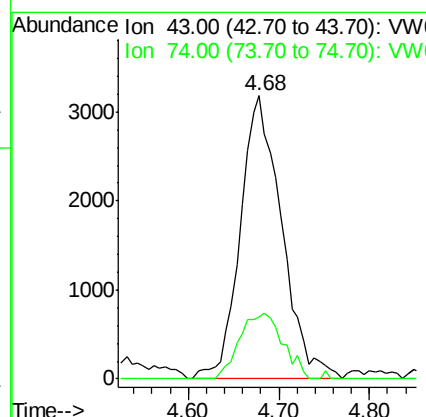
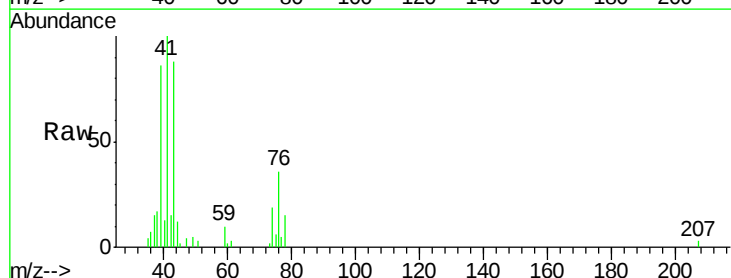
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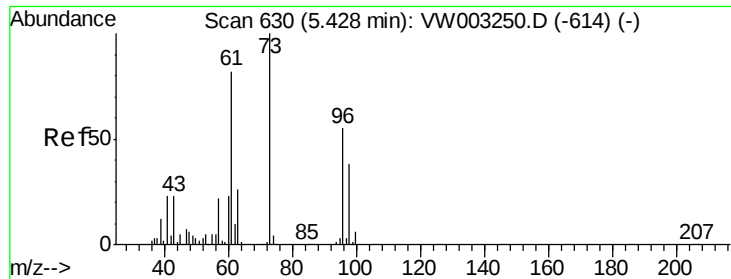
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#18
Methyl Acetate
Concen: 10.00 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.7	28.1





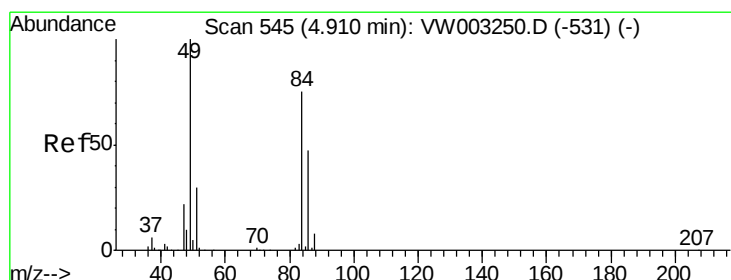
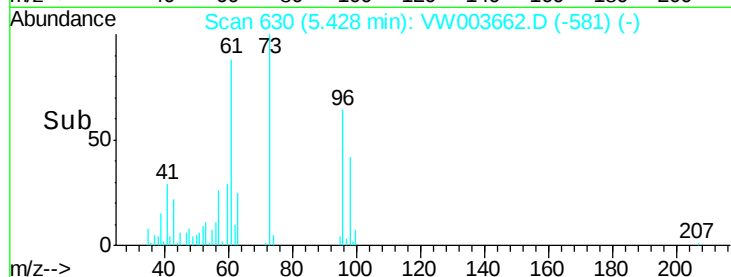
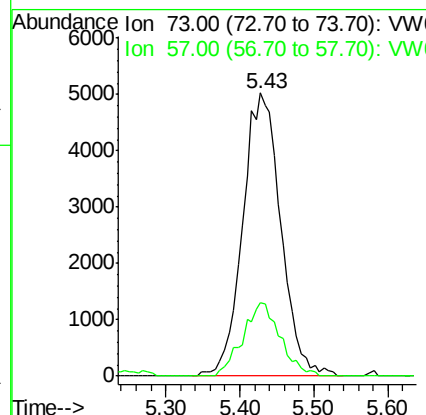
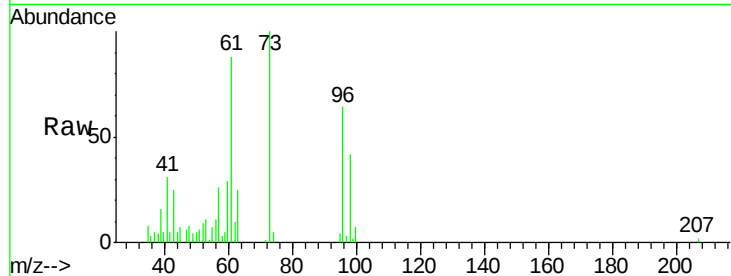
#19
Methyl tert-butyl Ether
Concen: 5.69 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion: 73 Resp: 18025
Ion Ratio Lower Upper
73 100
57 25.9 18.0 27.0

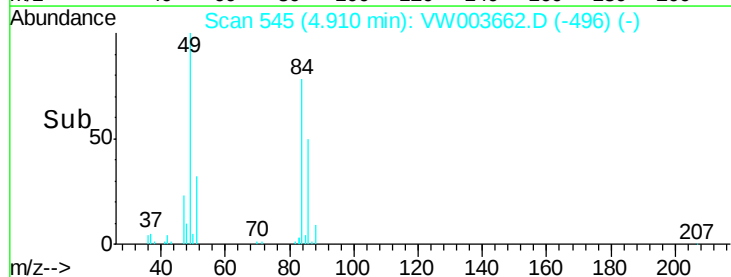
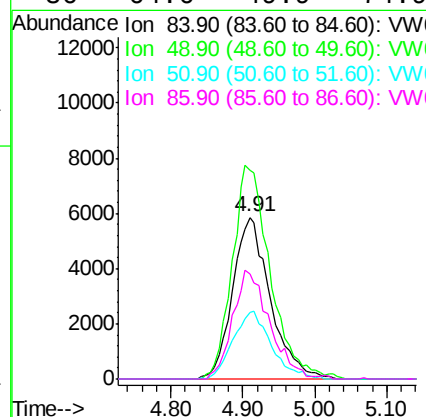
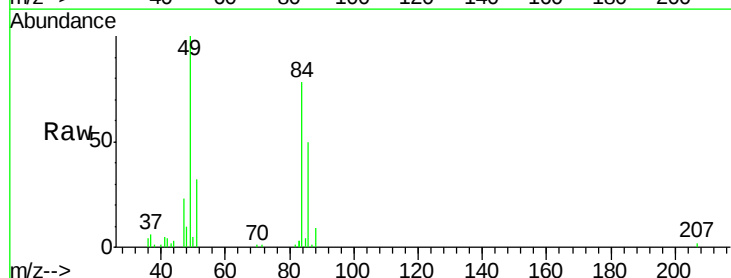
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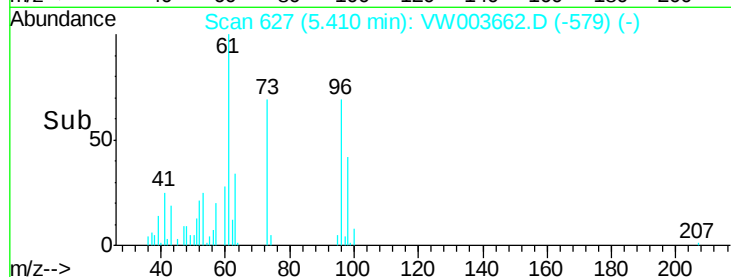
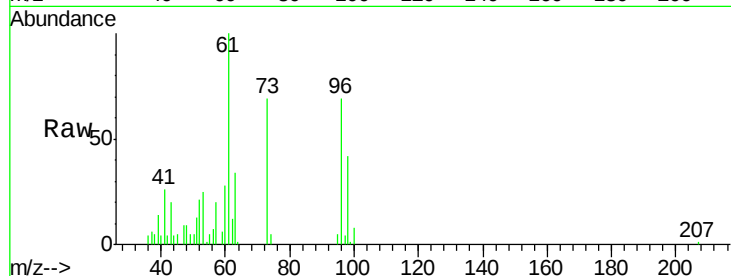
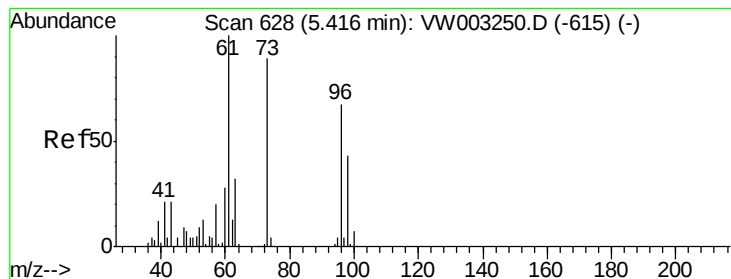
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#20
Methylene Chloride
Concen: 8.81 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 84 Resp: 21319
Ion Ratio Lower Upper
84 100
49 128.7 106.3 159.5
51 40.9 32.0 48.0
86 64.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 6.04 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW003662.D

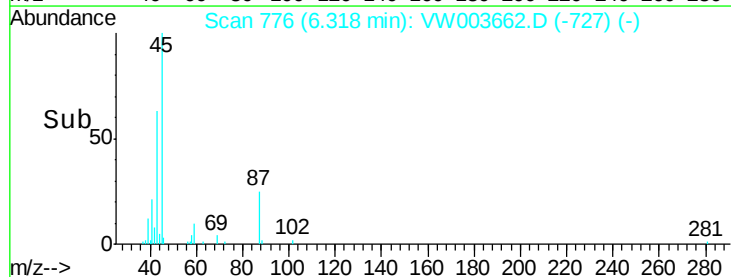
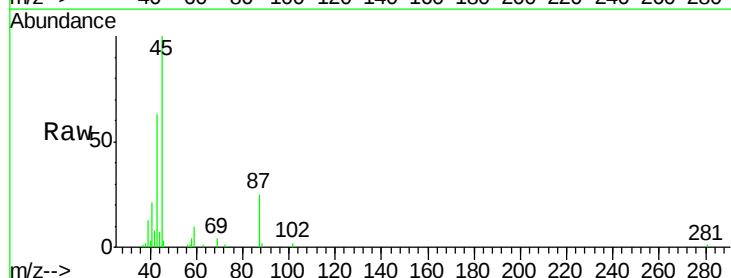
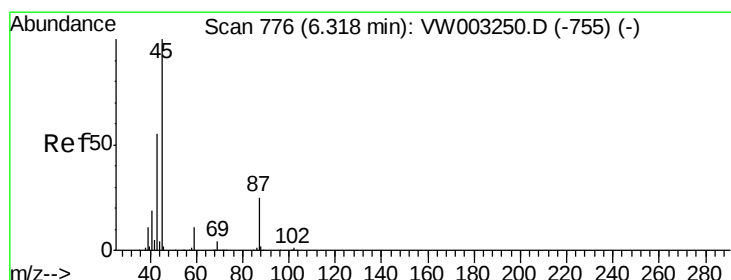
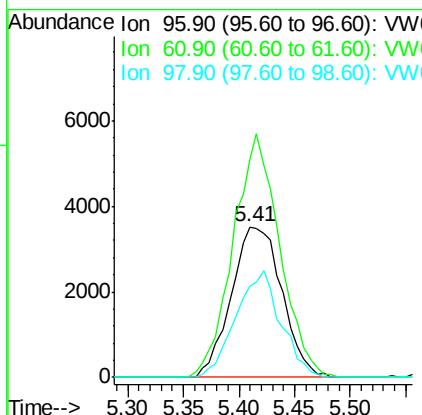
Acq: 29 Jun 2018 15:58

Tot Ion:	96	Resp:	11113
Ion	Ratio	Lower	Upper
96	100		
61	145.0	118.7	178.1
98	60.3	51.0	76.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

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#22

Diisopropyl ether

Concen: 5.48 ug/l

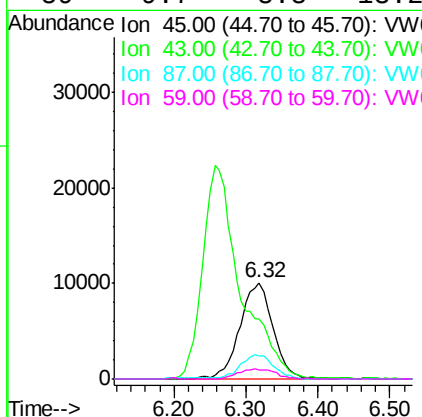
RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion:	45	Resp:	32293
Ion	Ratio	Lower	Upper
45	100		
43	61.2	44.0	66.0
87	24.6	20.6	31.0
59	9.7	8.8	13.2





#23

Vinyl Acetate

Concen: 24.08 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 43 Resp: 81747

Ion Ratio Lower Upper

43 100

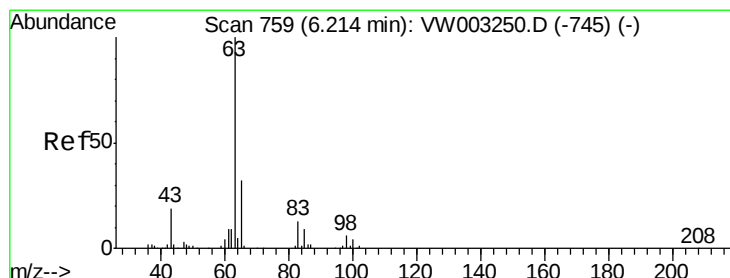
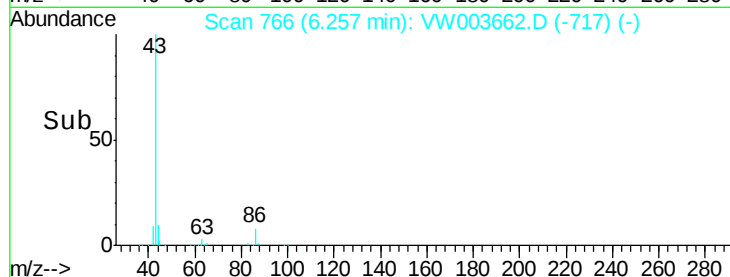
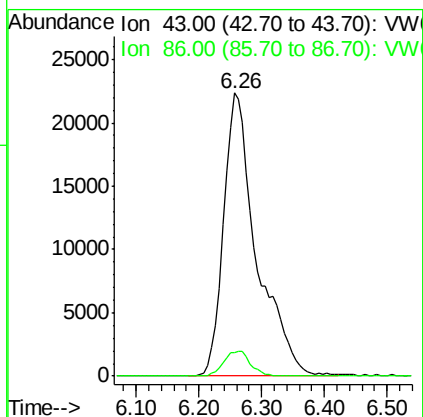
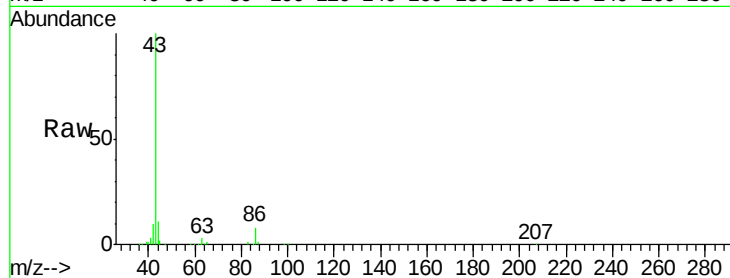
86 8.3 7.5 11.3

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#24

1,1-Dichloroethane

Concen: 6.27 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

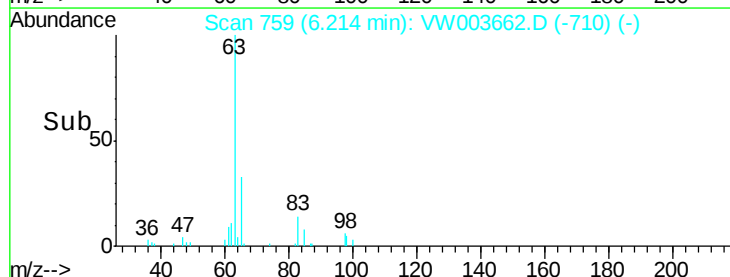
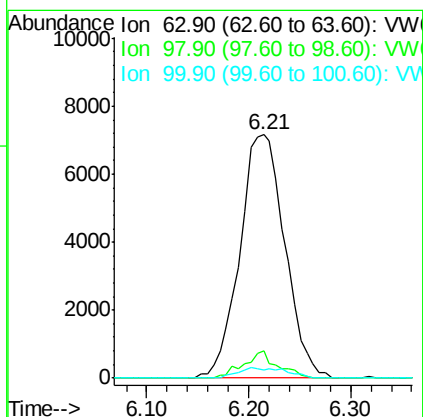
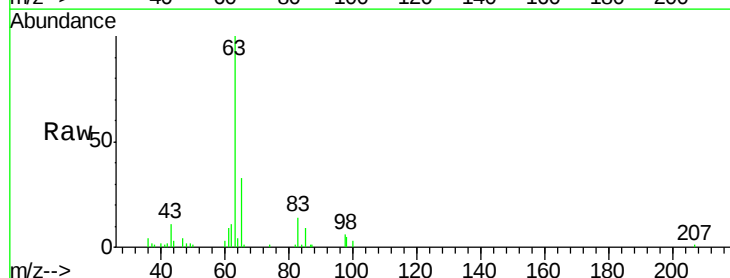
Tgt Ion: 63 Resp: 21923

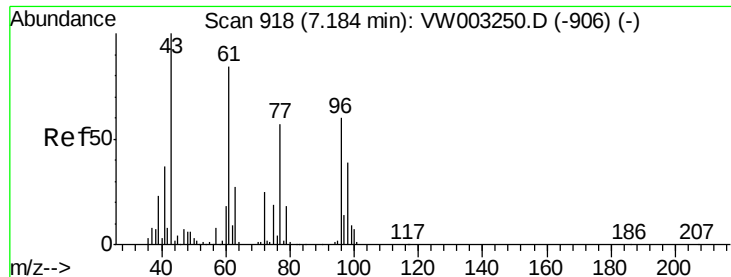
Ion Ratio Lower Upper

63 100

98 11.0 2.8 8.3#

100 3.3 2.1 6.5





#25

2-Butanone

Concen: 37.14 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 43 Resp: 19590

Ion Ratio Lower Upper

43 100

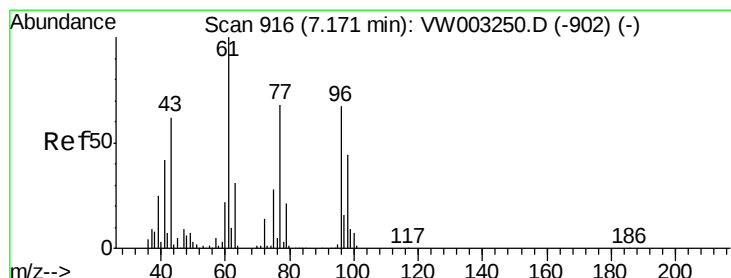
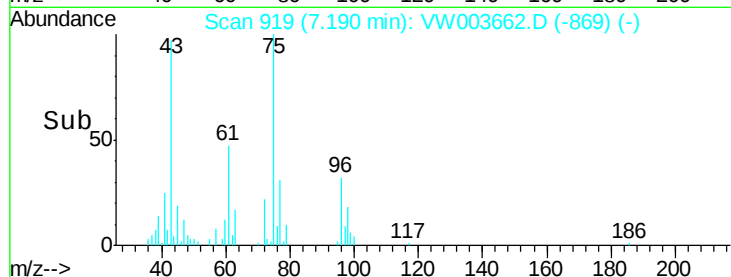
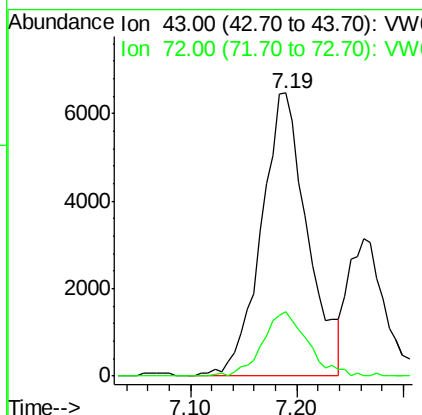
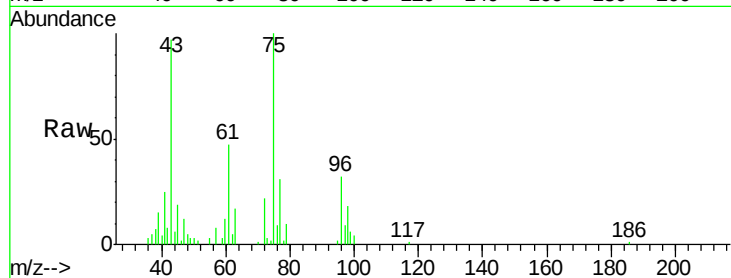
72 22.8 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 6.72 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003662.D

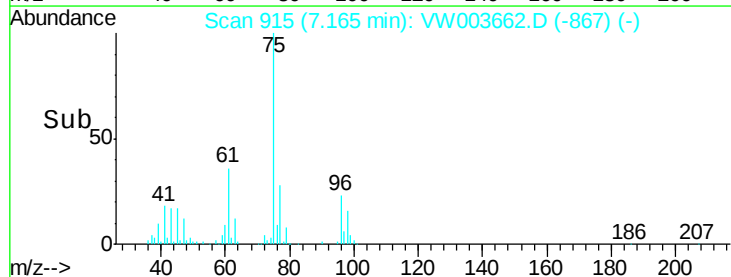
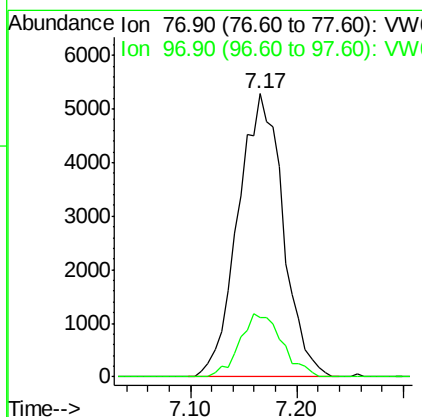
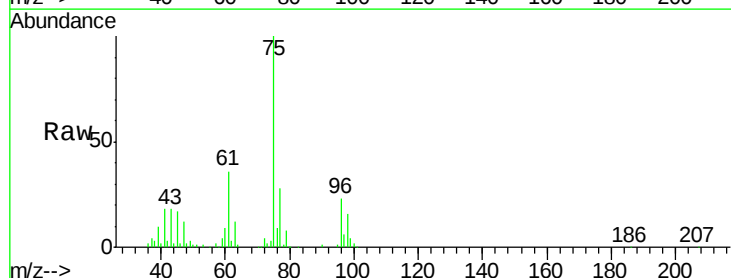
Acq: 29 Jun 2018 15:58

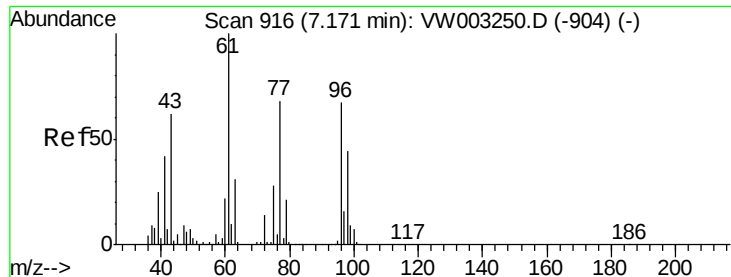
Tgt Ion: 77 Resp: 15694

Ion Ratio Lower Upper

77 100

97 20.9 11.3 33.9





#27

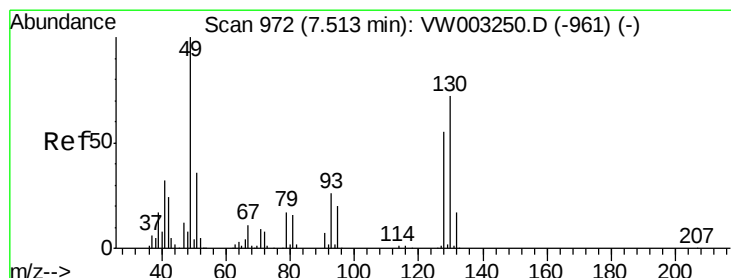
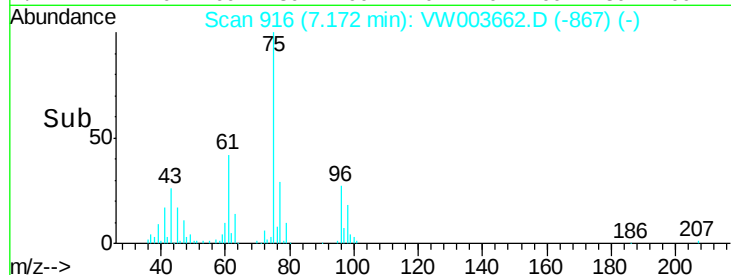
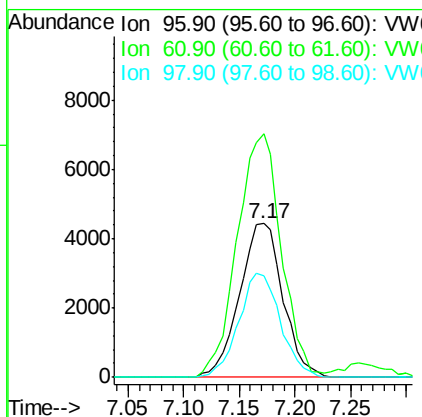
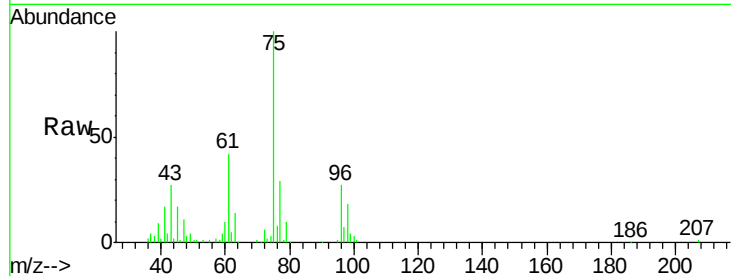
cis-1,2-Dichloroethene
Concen: 5.94 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	298.8
98	65.1	0.0	130.4

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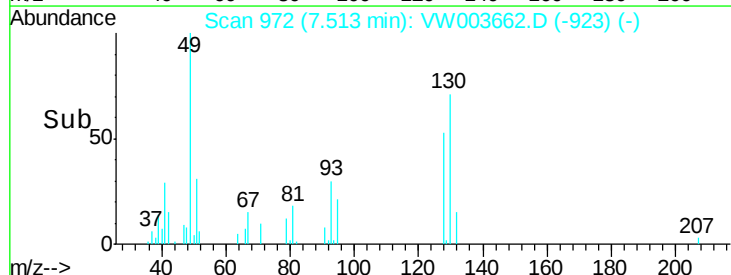
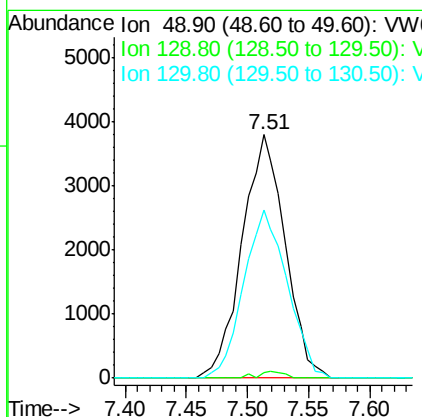
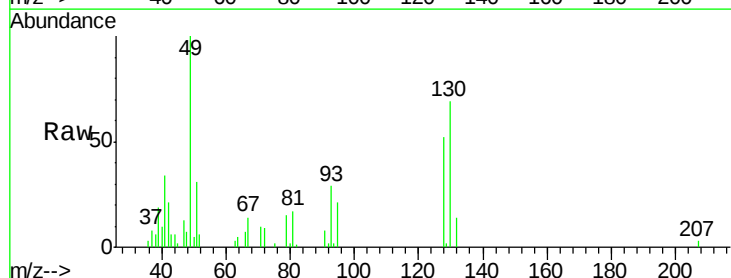
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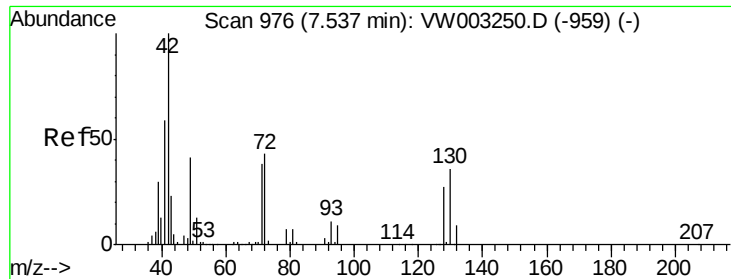


#28

Bromochloromethane
Concen: 6.37 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	70.2	59.4	89.2





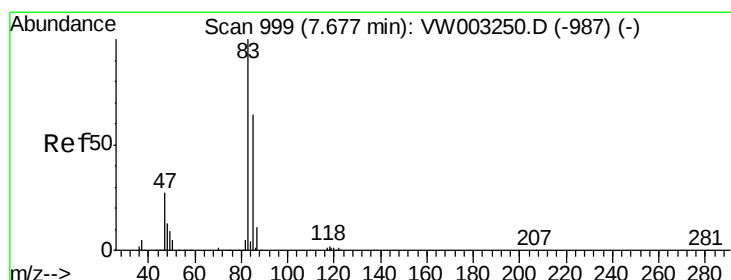
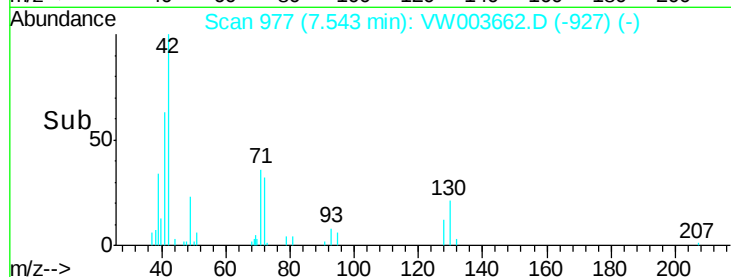
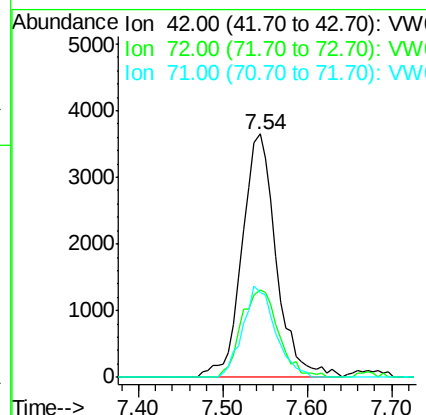
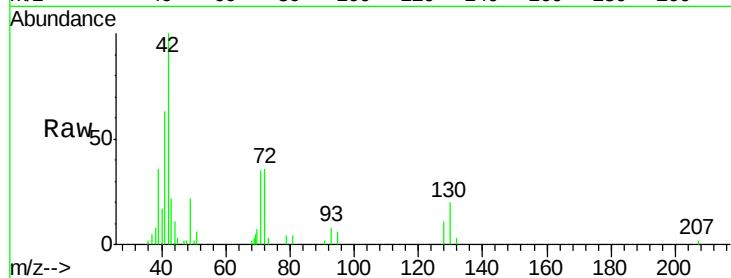
#29
Tetrahydrofuran
Concen: 31.06 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	32.4	48.6
71	35.5	31.2	46.8

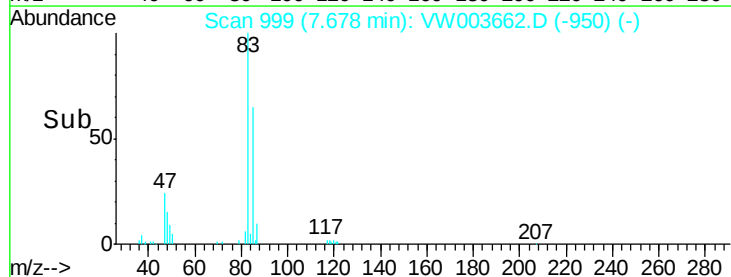
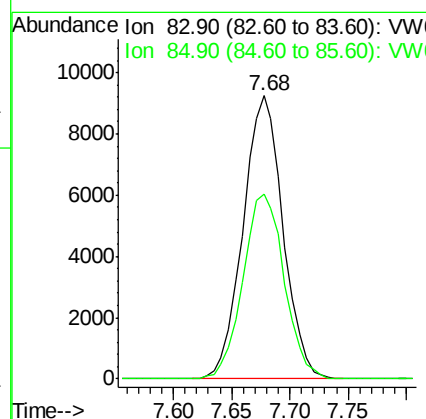
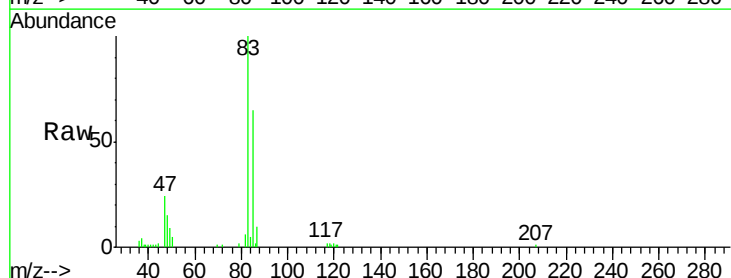
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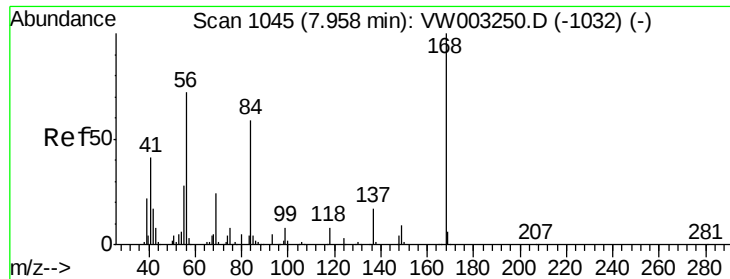
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#30
Chloroform
Concen: 6.18 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.3	76.9





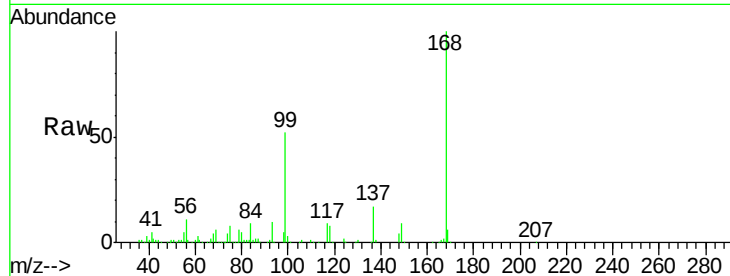
#31
Cyclohexane
Concen: 6.78 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	52.8	26.3	39.5#	
84	83.1	65.7	98.5	

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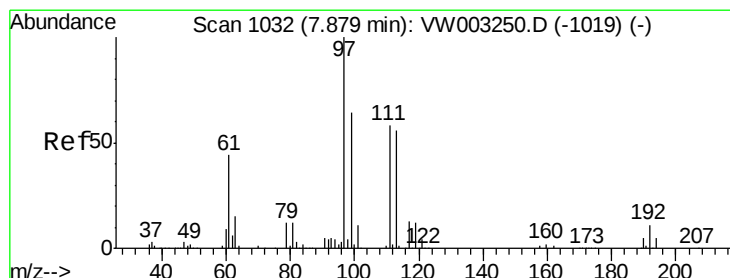
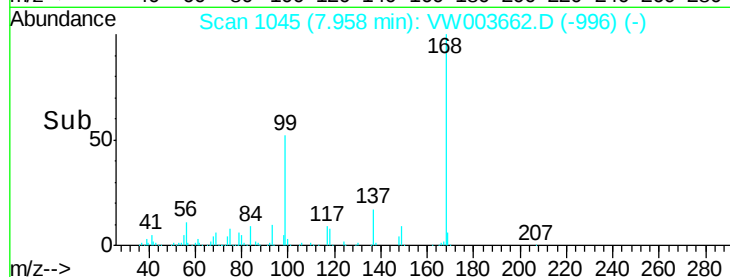
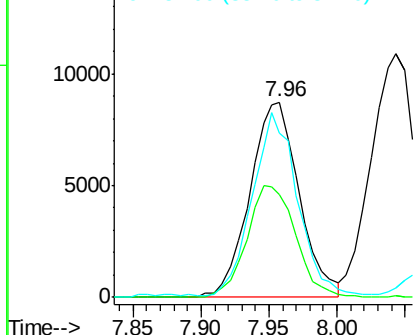


Abundance

Ion 56.00 (55.70 to 56.70): VW

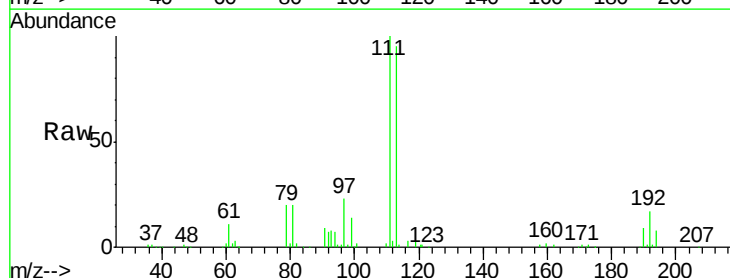
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 6.17 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.1	51.7	77.5	
61	47.6	37.6	56.4	

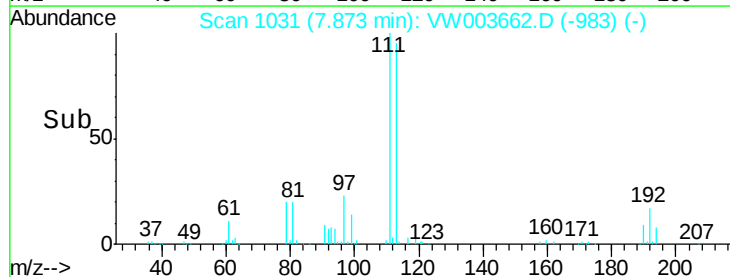
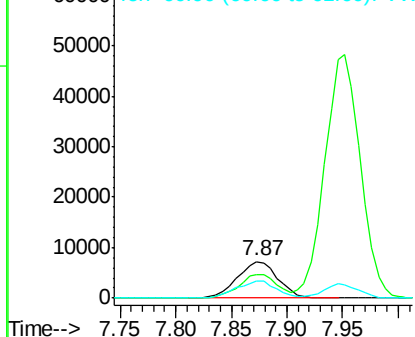


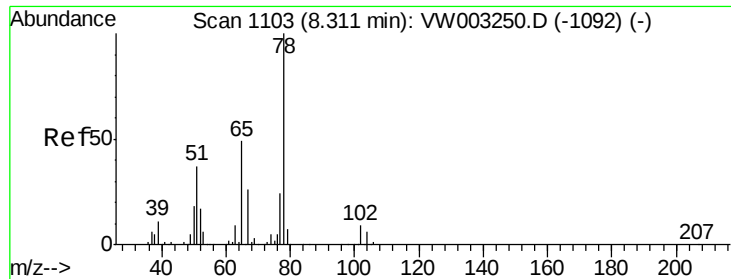
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 57.44 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 65 Resp: 116157

Ion Ratio Lower Upper

65 100

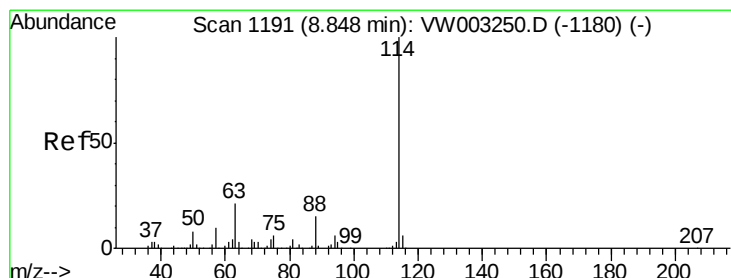
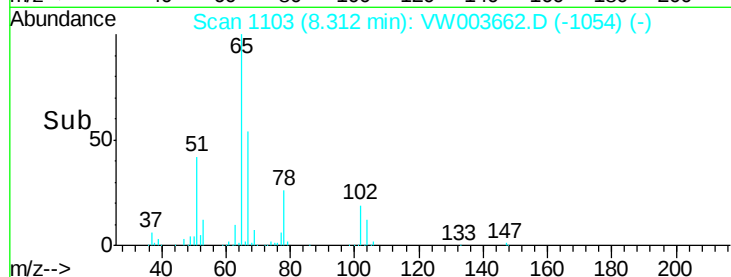
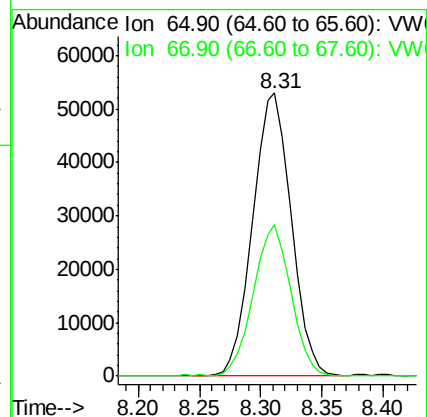
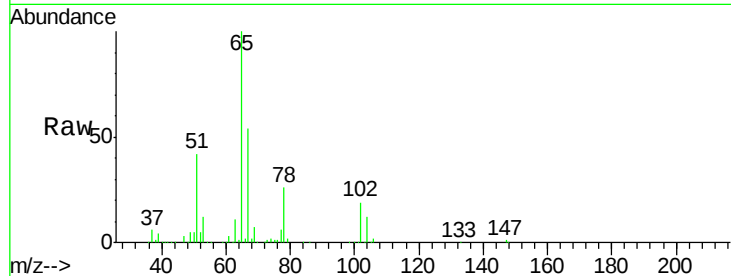
67 52.2 0.0 104.2

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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: VW003662.D

Acq: 29 Jun 2018 15:58

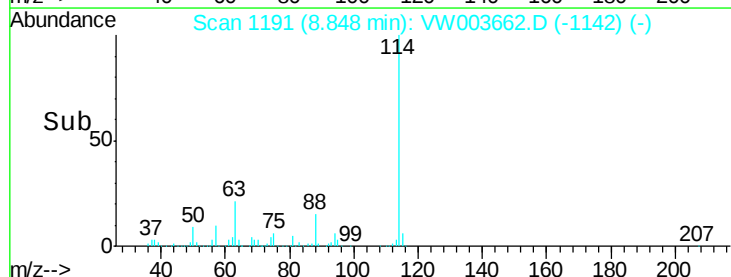
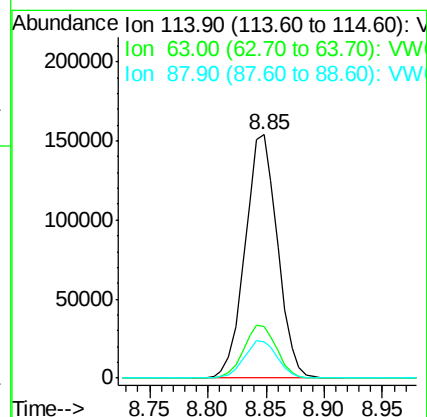
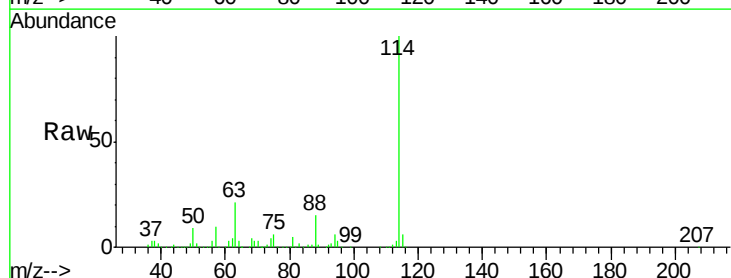
Tgt Ion: 114 Resp: 298979

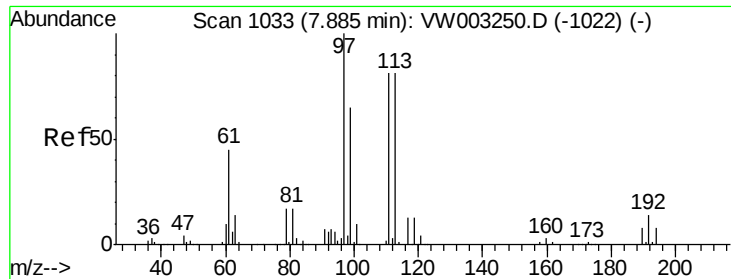
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

88 14.8 0.0 29.6





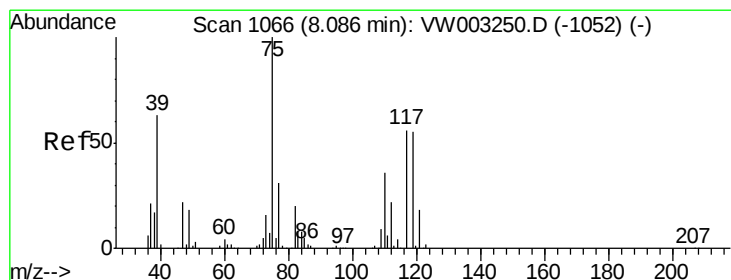
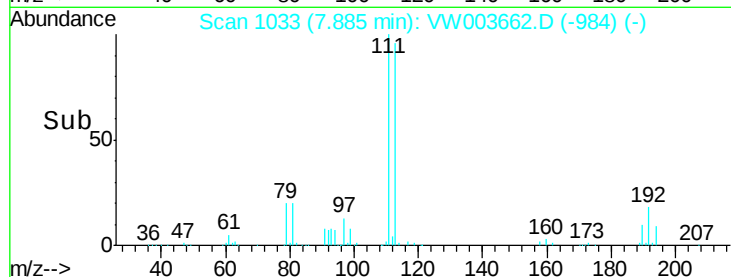
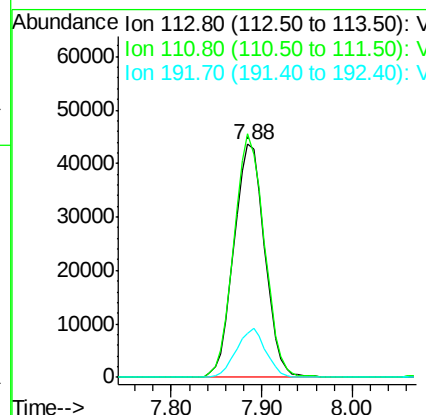
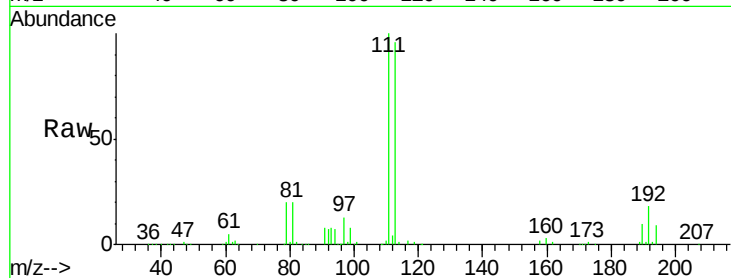
#35
 Dibromofluoromethane
 Concen: 55.44 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102999		
111	103.5	82.2	123.2	
192	20.0	16.2	24.2	

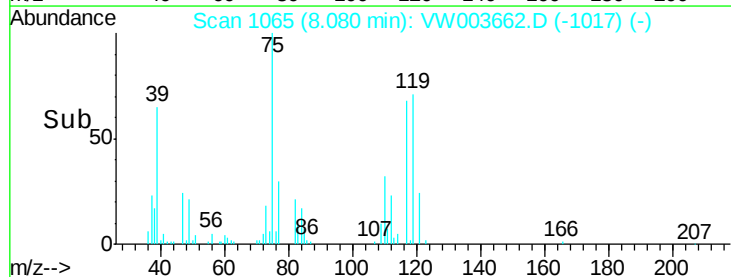
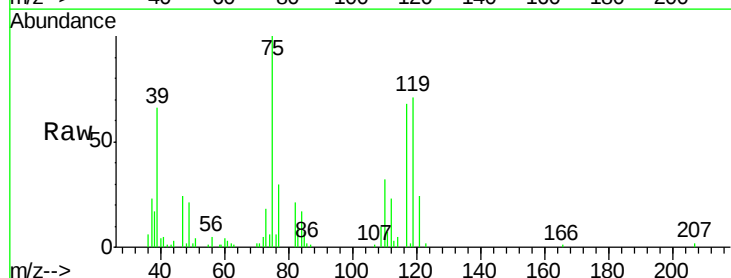
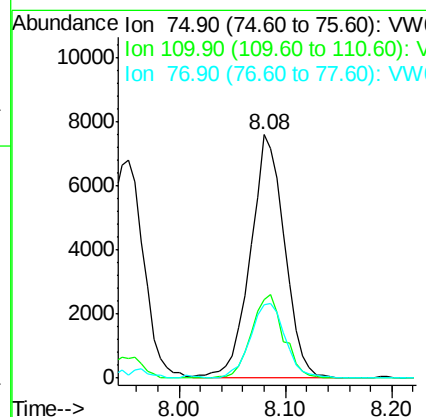
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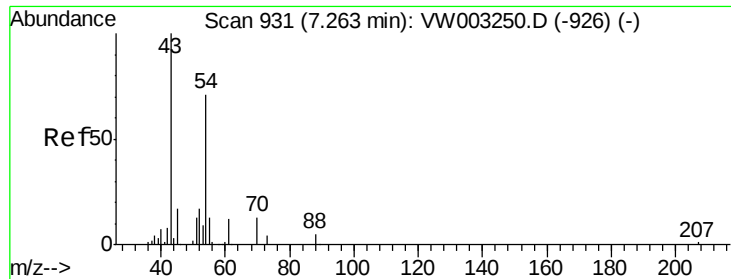
apatel
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#36
 1,1-Dichloropropene
 Concen: 5.94 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17153		
110	32.4	17.1	51.3	
77	31.4	24.9	37.3	





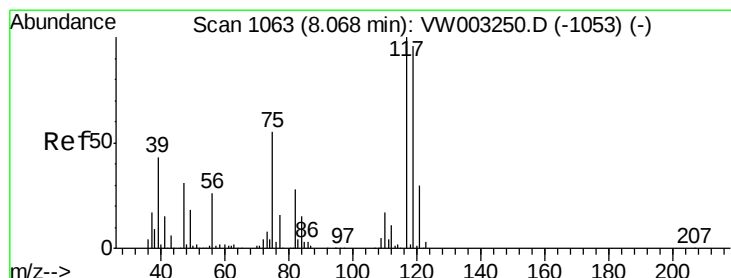
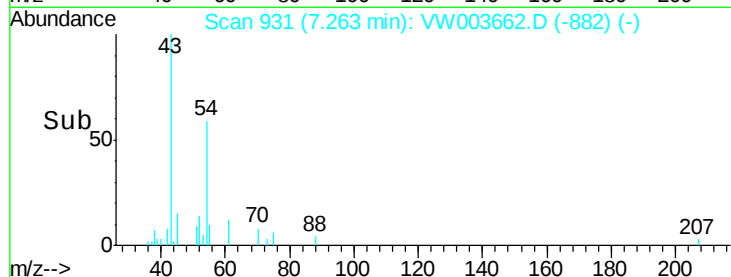
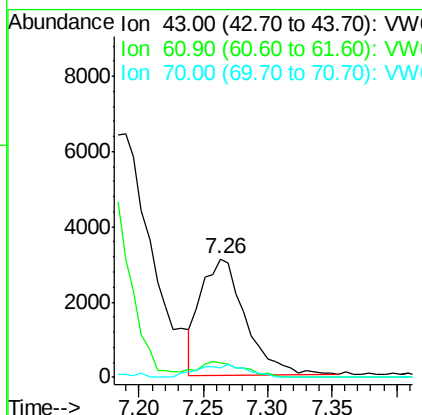
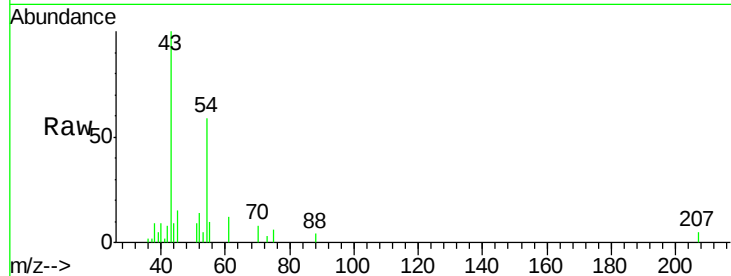
#37
Ethyl Acetate
Concen: 6.19 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.8	16.2
70	12.0	7.8	11.6

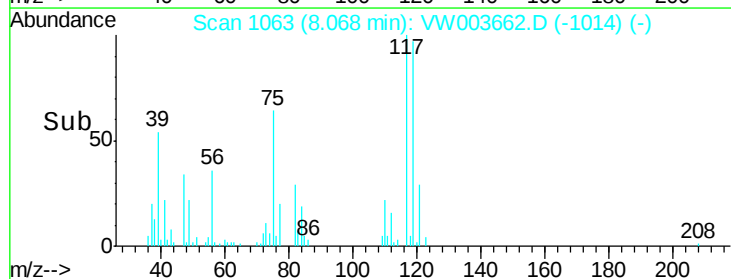
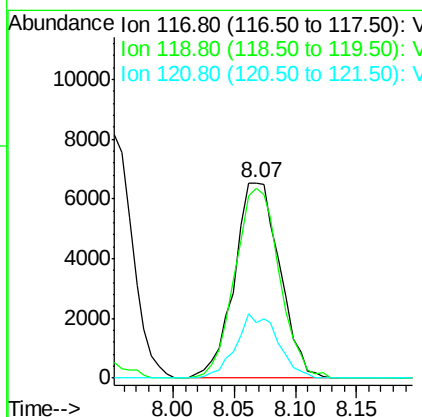
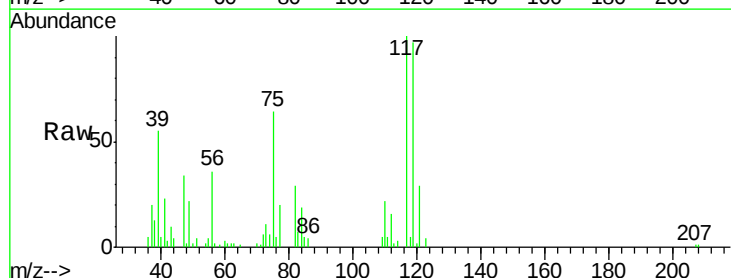
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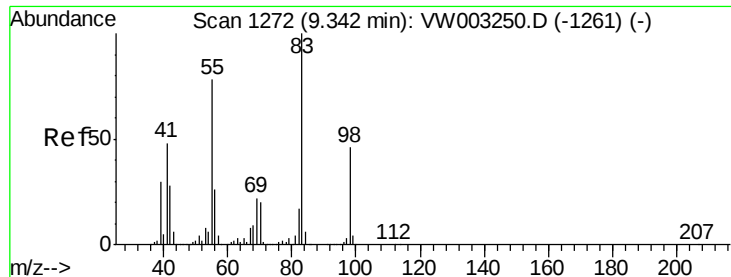
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#38
Carbon Tetrachloride
Concen: 5.97 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	115.0
121	28.6	23.9	35.9





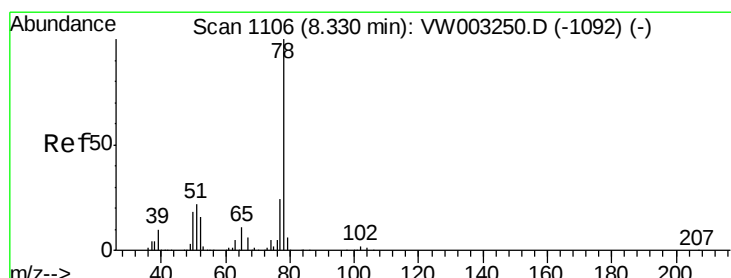
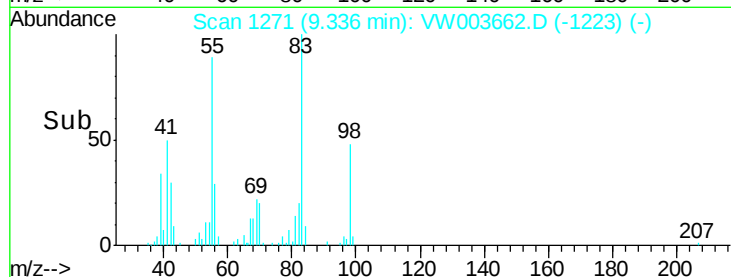
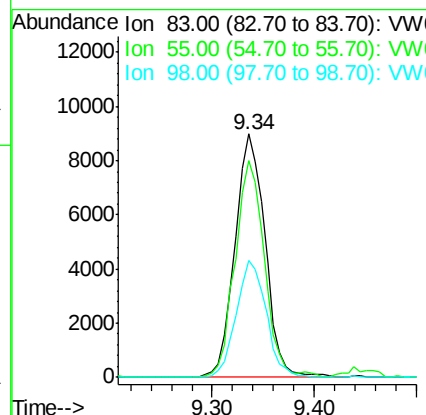
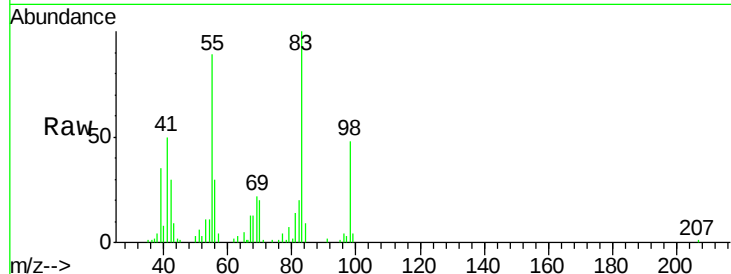
#39
Methvlcvclohexane
Concen: 5.49 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.0	62.6	93.8
98	48.2	37.0	55.4

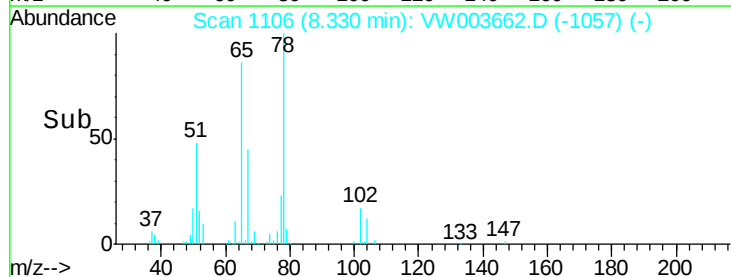
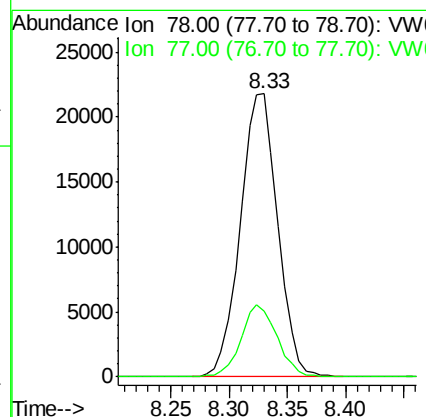
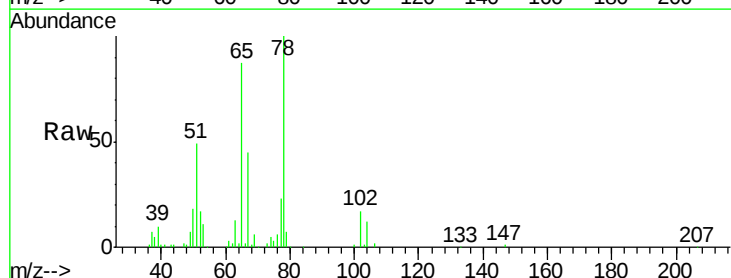
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#40
Benzene
Concen: 6.12 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





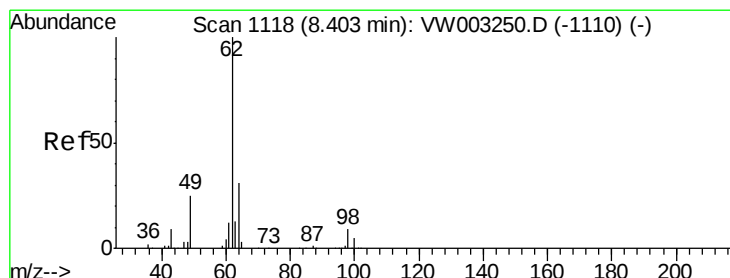
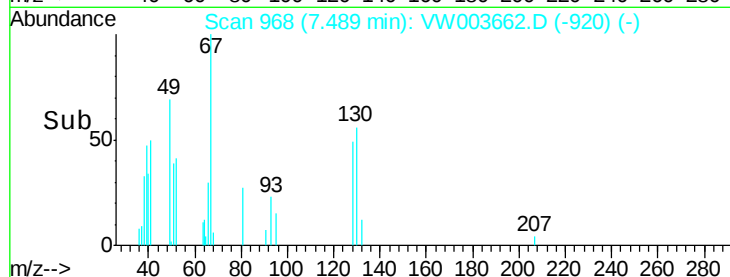
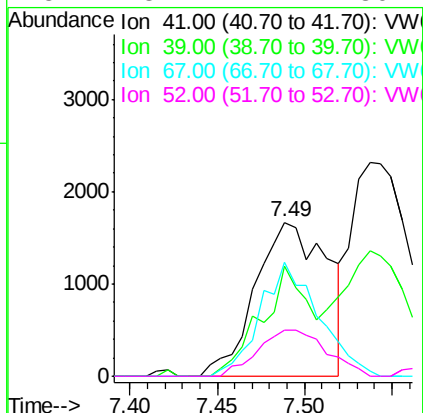
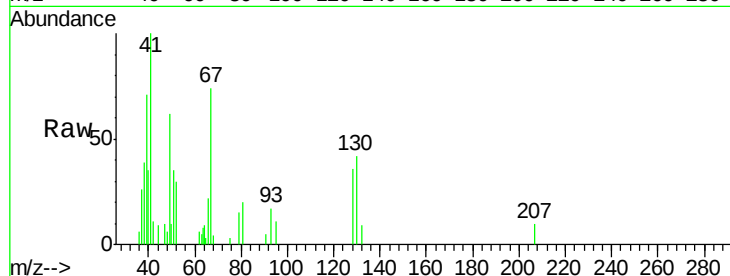
#41
Methacrylonitrile
Concen: 6.52 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion:	41	Resp:	4785
Ion	Ratio	Lower	Upper
41	100		
39	46.8	45.8	68.8
67	60.4	52.3	78.5
52	28.7	24.1	36.1

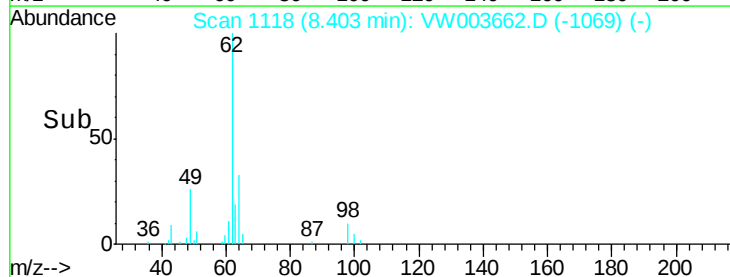
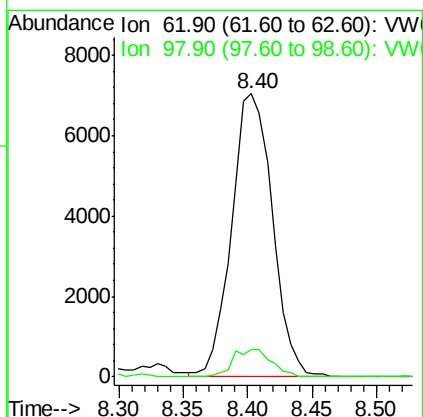
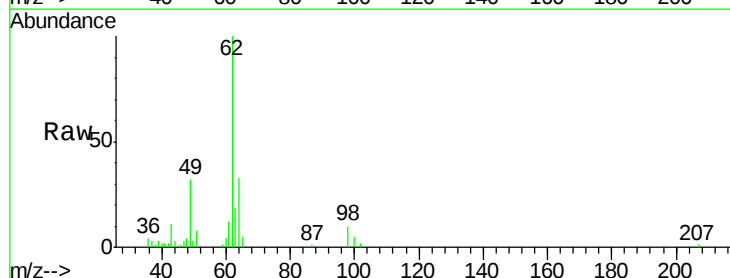
Manual Integrations
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apatel
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#42
1,2-Dichloroethane
Concen: 6.22 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion:	62	Resp:	15521
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 6.28 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

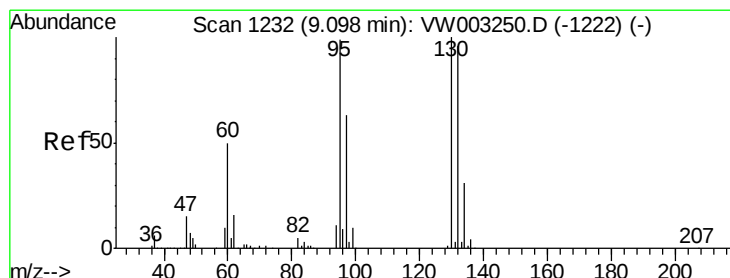
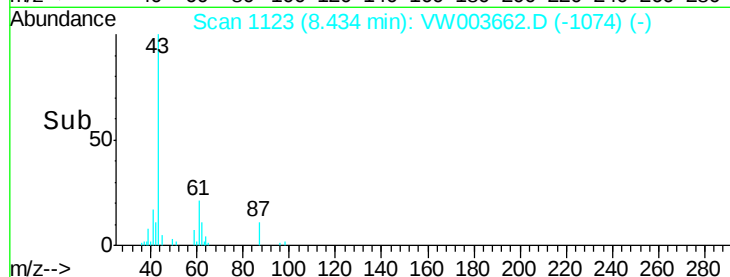
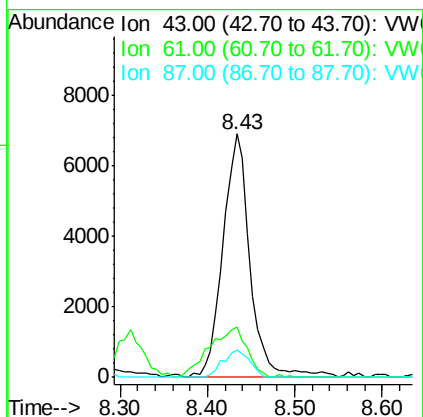
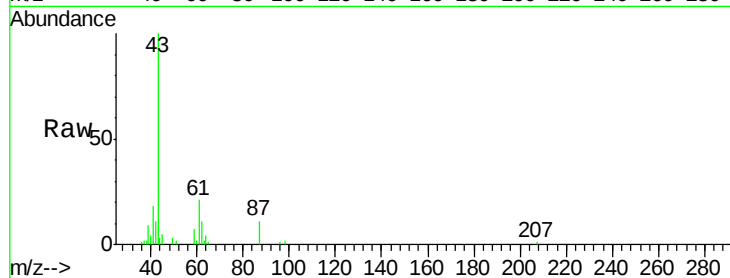
ClientSampled :

LOQ-SCM-Precision-Bias-3

Tot Ion:	43	Resp:	14925
Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.1	34.7
87	11.0	9.8	14.6

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#44

Trichloroethene

Concen: 6.00 ug/l

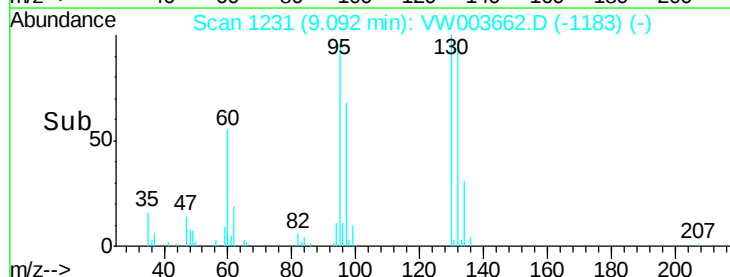
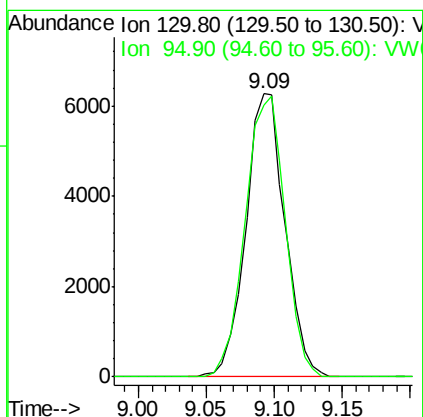
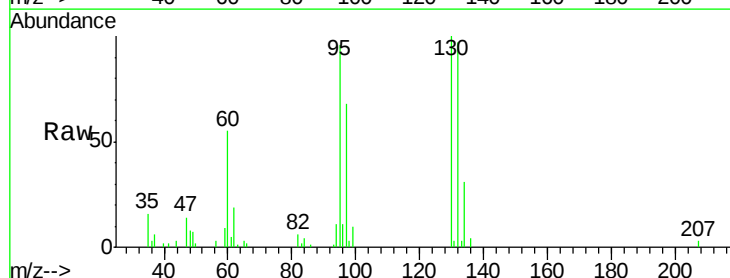
RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion:	130	Resp:	12664
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	198.0





#45

1,2-Dichloropropane

Concen: 5.97 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 63 Resp: 12100

Ion Ratio Lower Upper

63 100

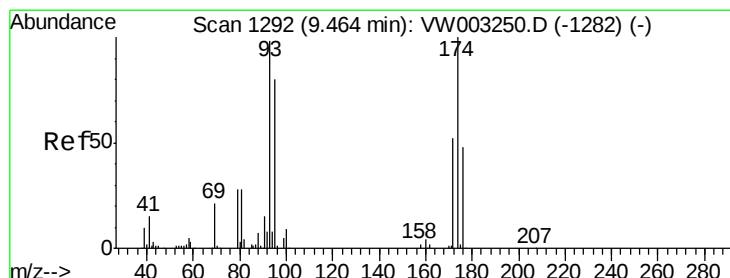
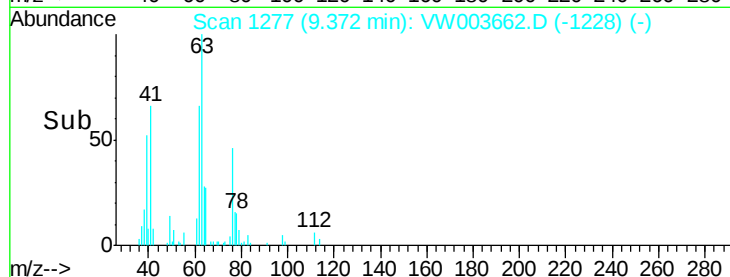
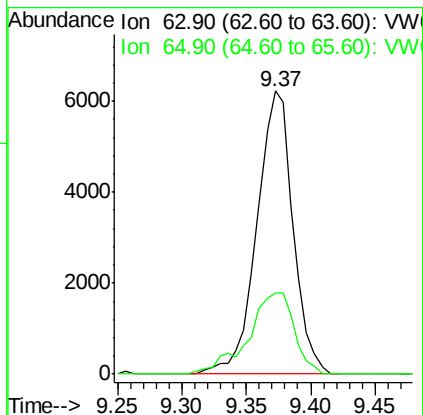
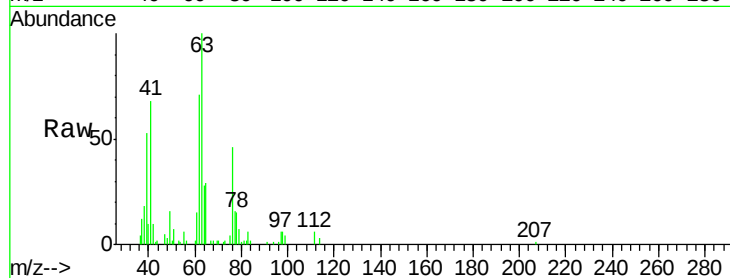
65 28.7 25.1 37.7

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#46

Dibromomethane

Concen: 6.29 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

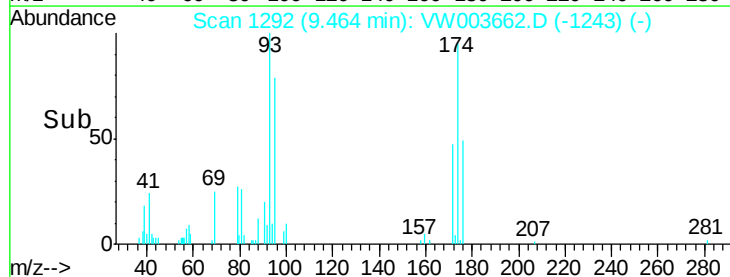
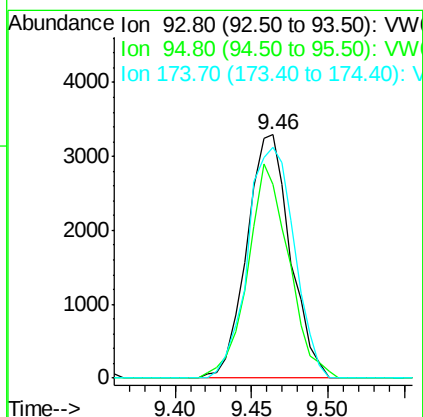
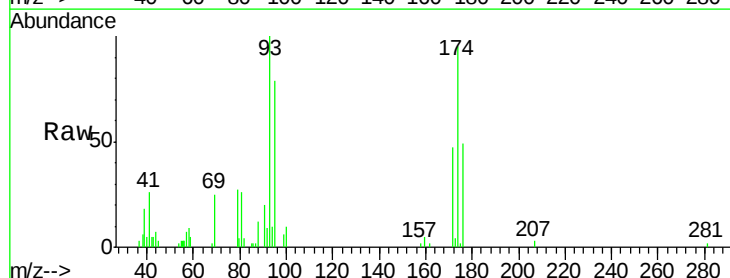
Tgt Ion: 93 Resp: 6526

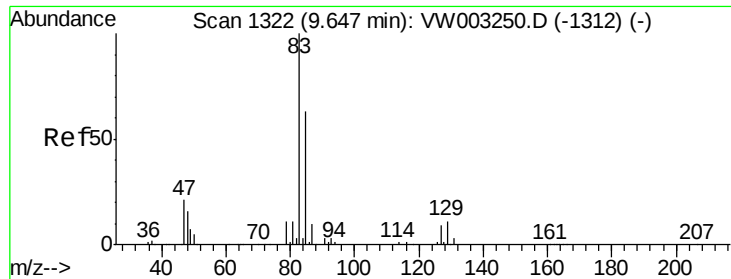
Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.8

174 101.1 81.4 122.0





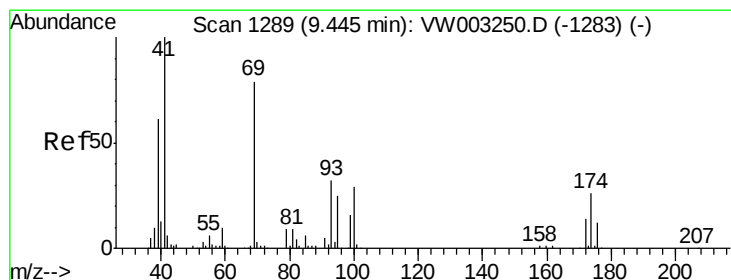
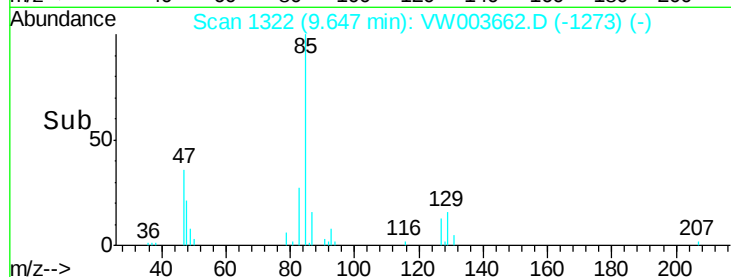
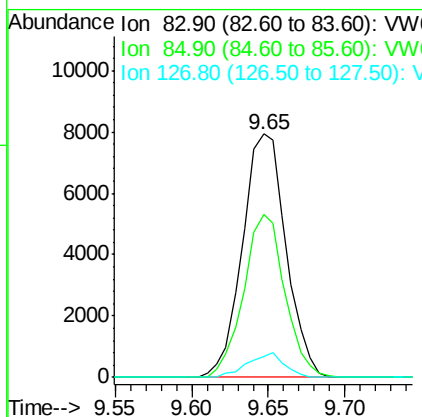
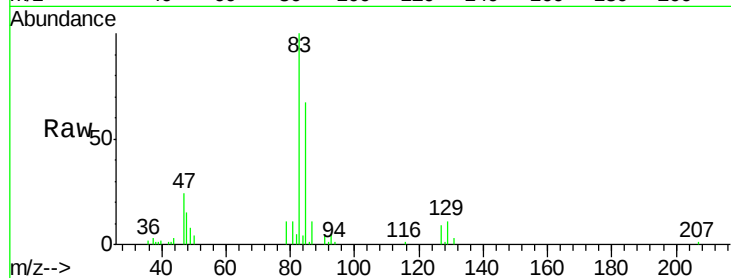
#47
Bromodichloromethane
Concen: 5.91 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	83	Resp	15705
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	50.6	75.8
127	8.5	6.8	10.2

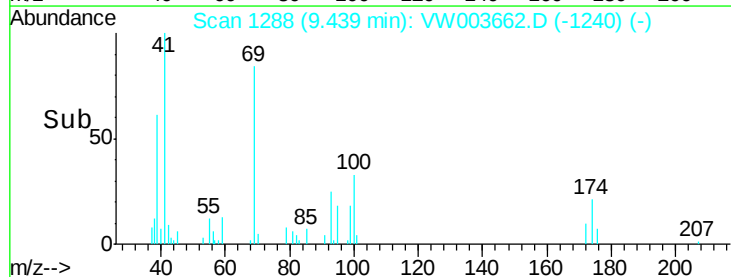
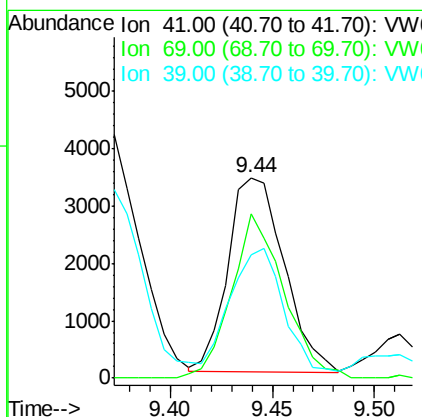
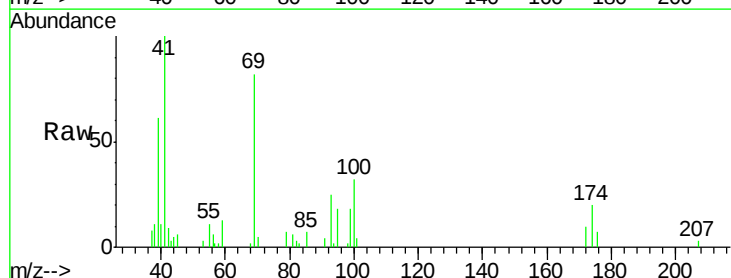
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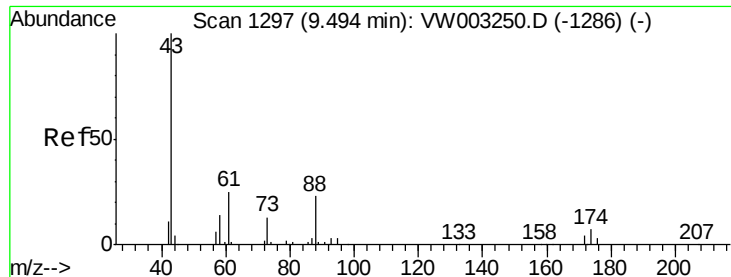
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#48
Methyl methacrylate
Concen: 5.80 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	41	Resp	6478
Ion Ratio	100	Lower	Upper
41	100		
69	78.8	65.4	98.2
39	58.2	54.2	81.2





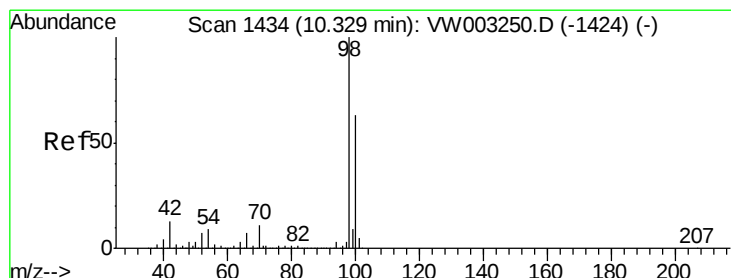
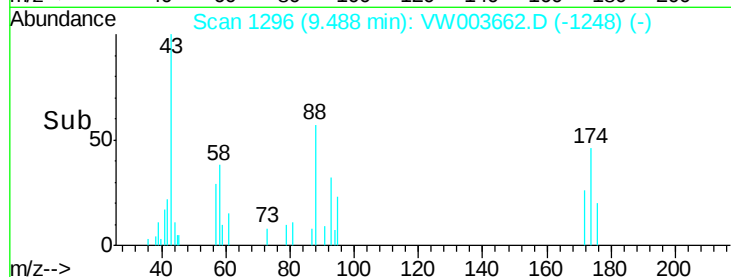
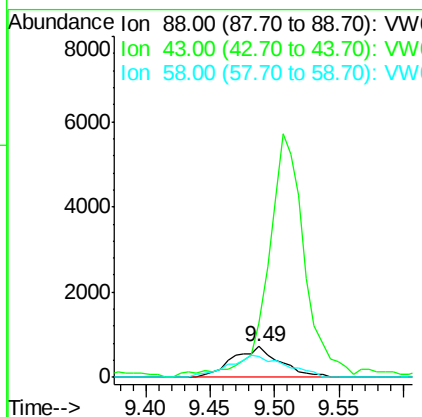
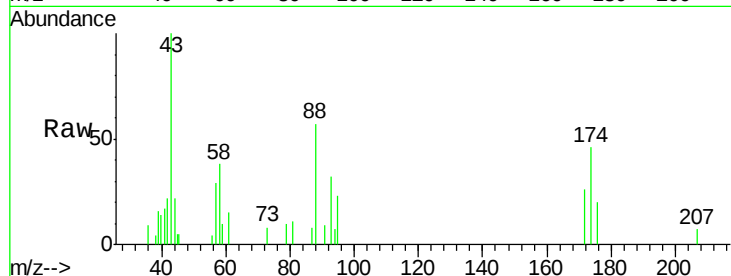
#49
 1,4-Dioxane
 Concen: 116.95 ug/l
 RT: 9.49 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Tot Ion	88	Resp	1832
Ion Ratio	Lower	Upper	
88	100		
43	0.0	454.7	682.1#
58	87.3	58.6	88.0

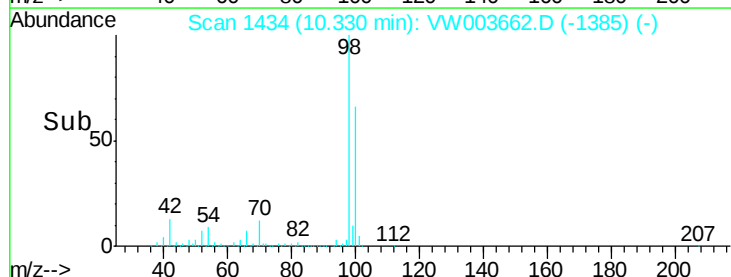
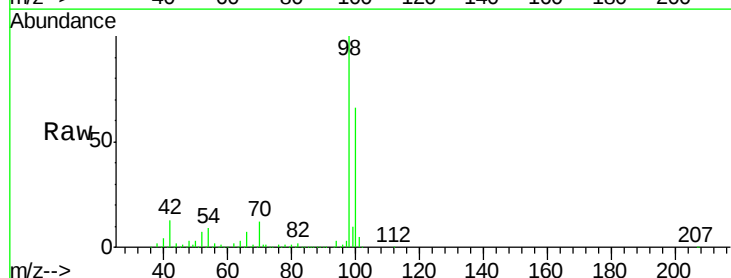
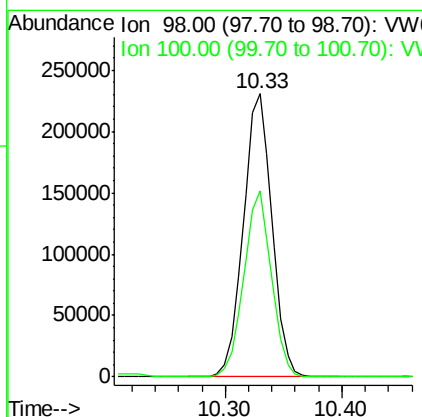
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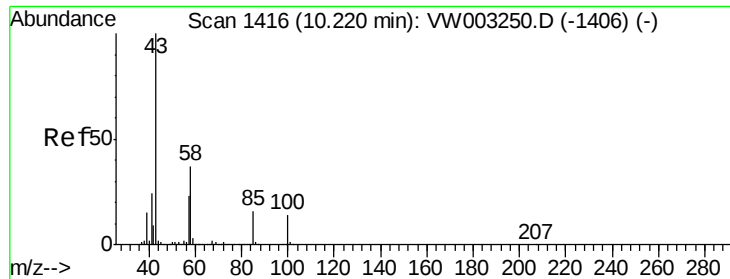
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#50
 Toluene-d8
 Concen: 53.57 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion	98	Resp	394603
Ion Ratio	Lower	Upper	
98	100		
100	63.5	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 29.31 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 43 Resp: 35474

Ion Ratio Lower Upper

43 100

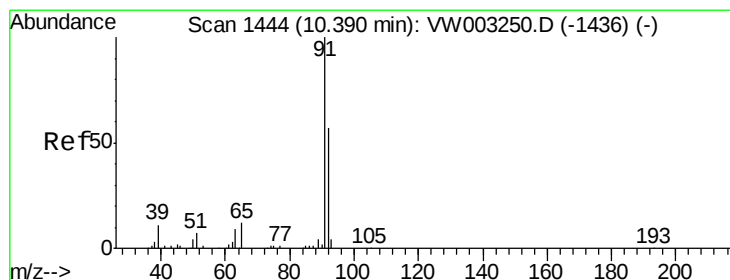
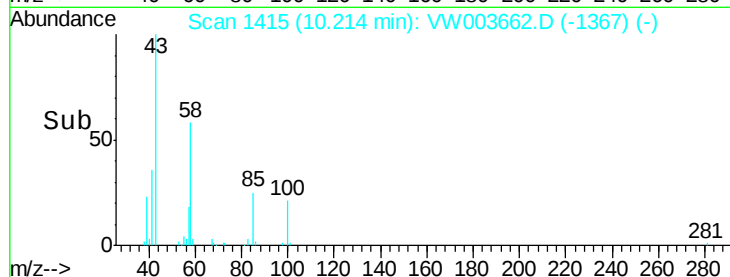
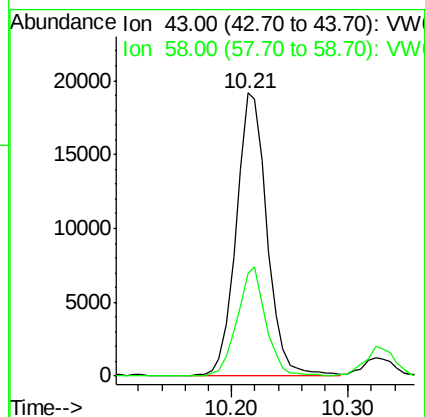
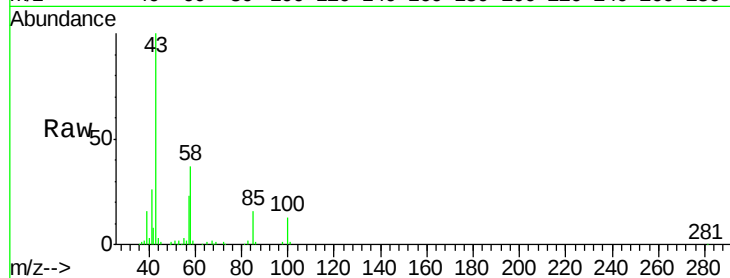
58 35.7 29.0 43.4

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#52

Toluene

Concen: 6.10 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003662.D

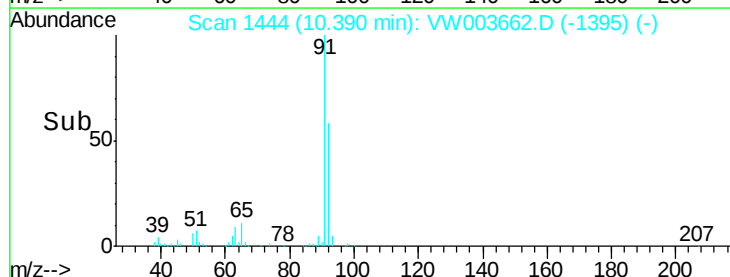
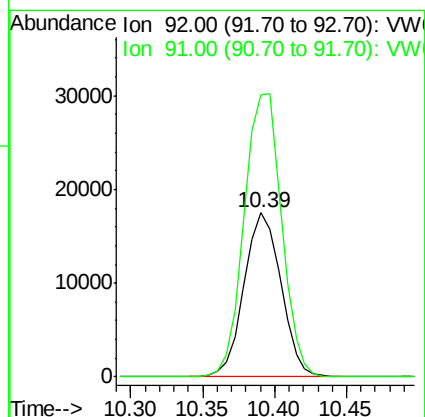
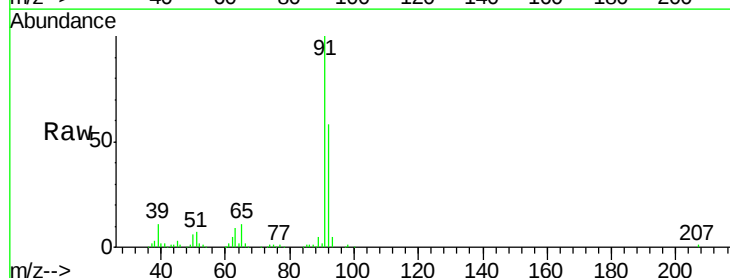
Acq: 29 Jun 2018 15:58

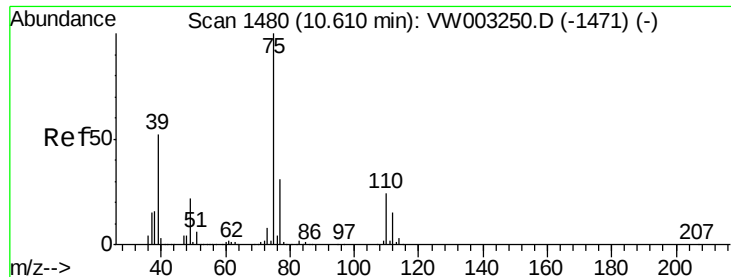
Tgt Ion: 92 Resp: 31118

Ion Ratio Lower Upper

92 100

91 175.0 141.1 211.7





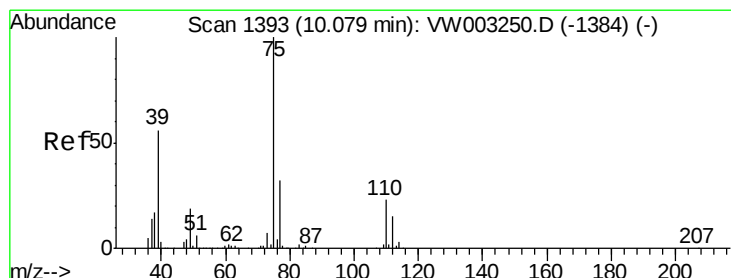
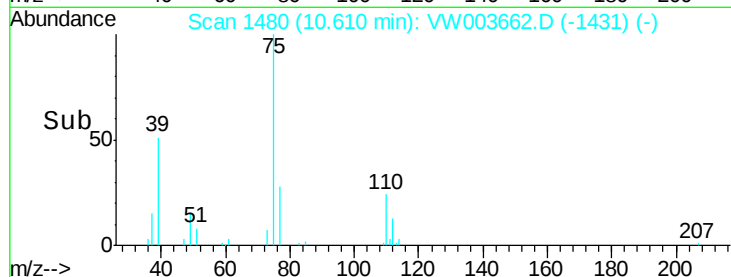
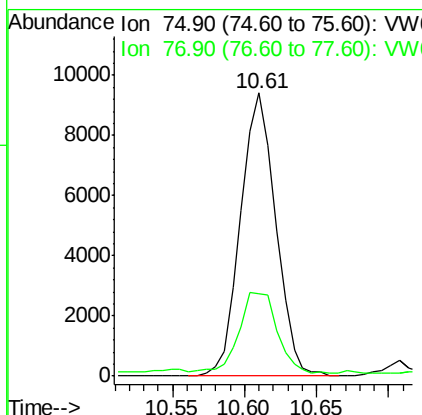
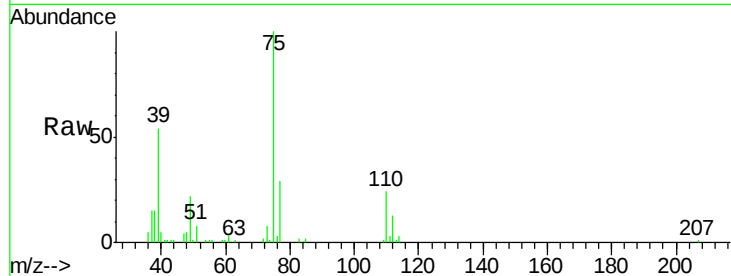
#53
 t-1,3-Dichloropropene
 Concen: 5.88 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Tot Ion: 75 Resp: 15969
 Ion Ratio Lower Upper
 75 100
 77 28.0 24.9 37.3

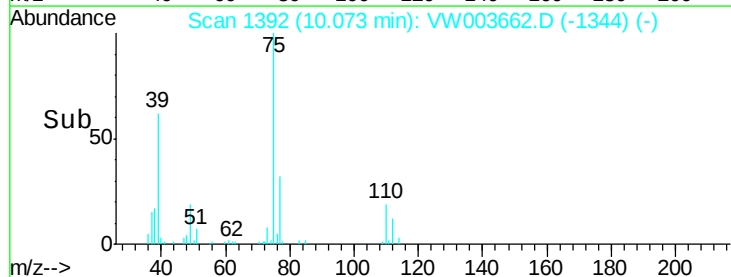
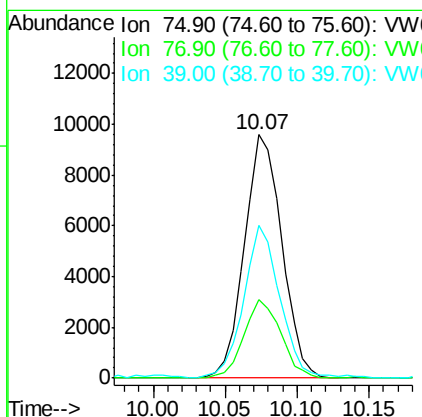
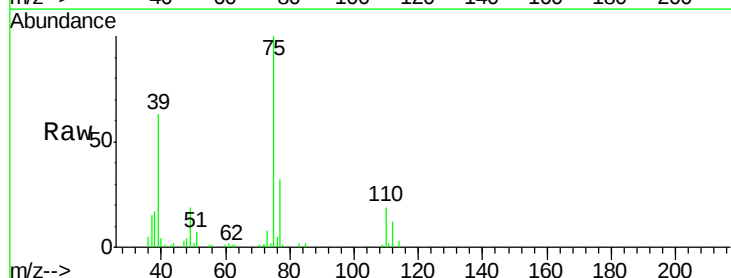
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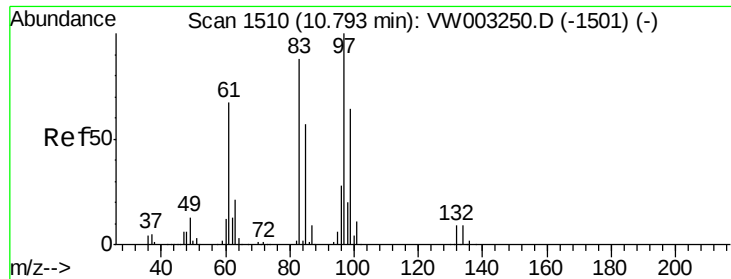
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#54
 cis-1,3-Dichloropropene
 Concen: 5.57 ug/l
 RT: 10.07 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion: 75 Resp: 17233
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.6
 39 62.9 45.2 67.8





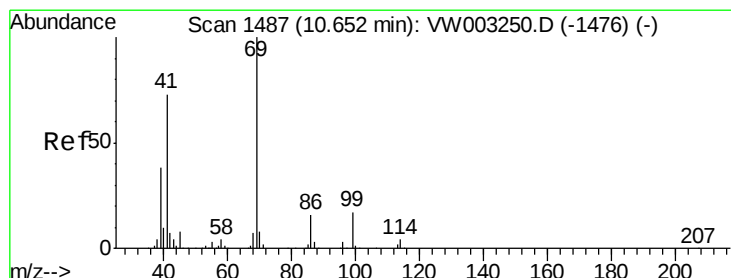
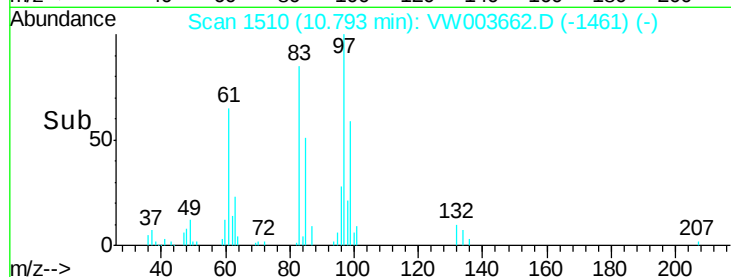
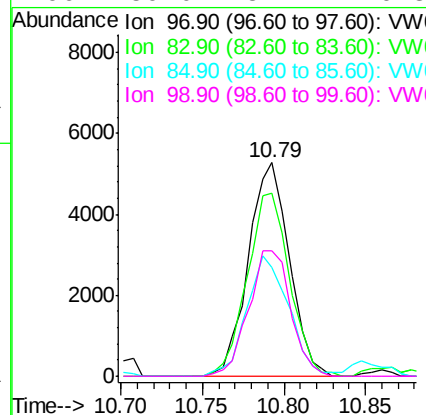
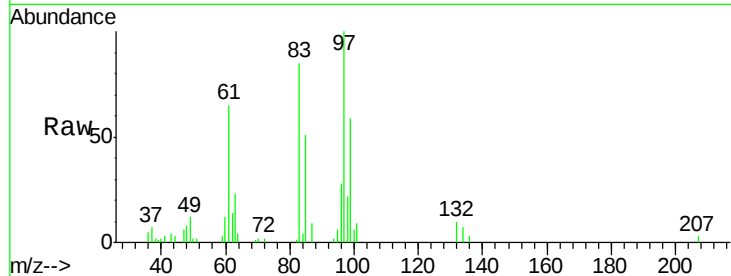
#55
 1,1,2-Trichloroethane
 Concen: 6.30 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Tot Ion:	97	Resp:	9205
Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.2	105.2
85	51.1	45.6	68.4
99	59.0	51.2	76.8

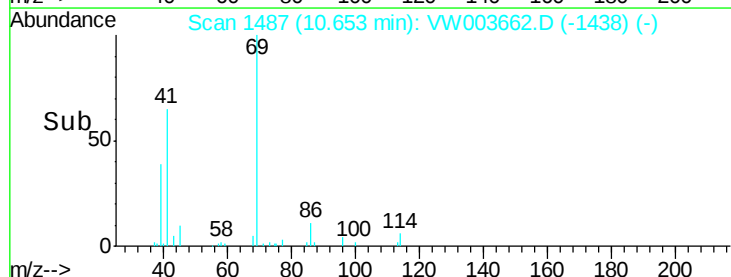
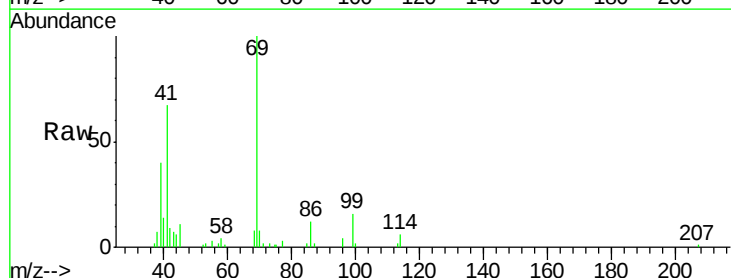
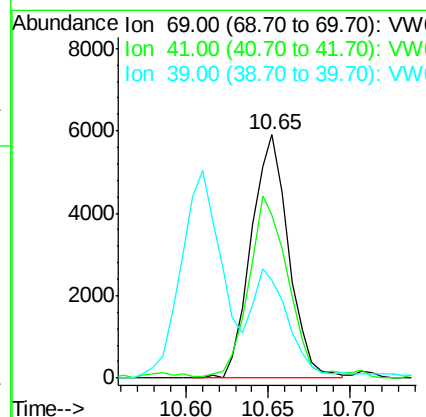
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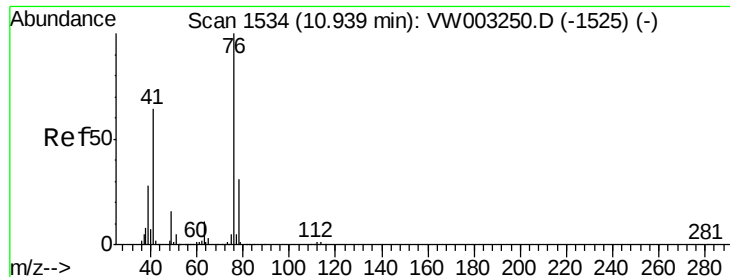
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#56
 Ethyl methacrylate
 Concen: 5.31 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion:	69	Resp:	9423
Ion	Ratio	Lower	Upper
69	100		
41	76.0	57.8	86.6
39	40.1	32.7	49.1





#57

1,3-Dichloropropane

Concen: 6.19 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 76 Resp: 15608

Ion Ratio Lower Upper

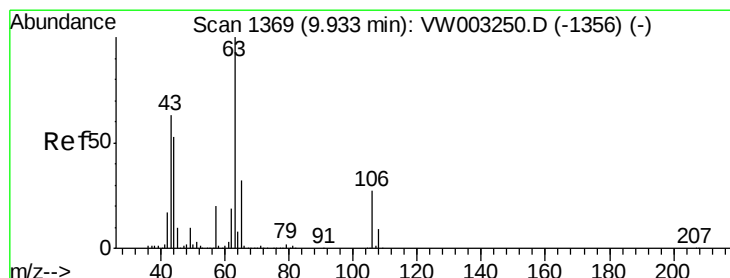
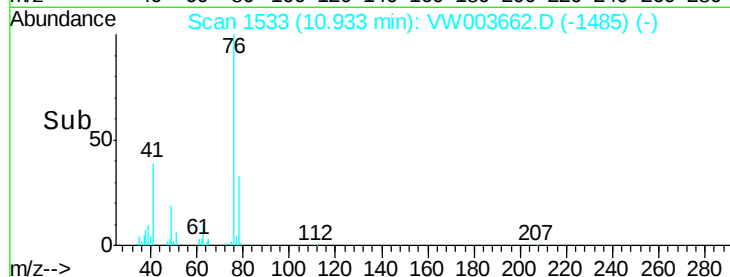
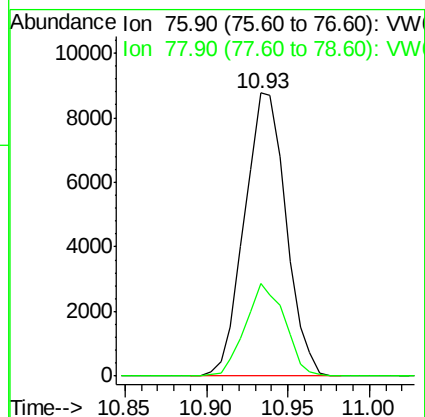
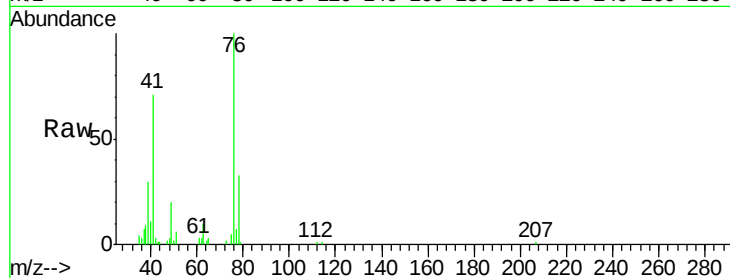
76 100

78 31.2 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 27.96 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW003662.D

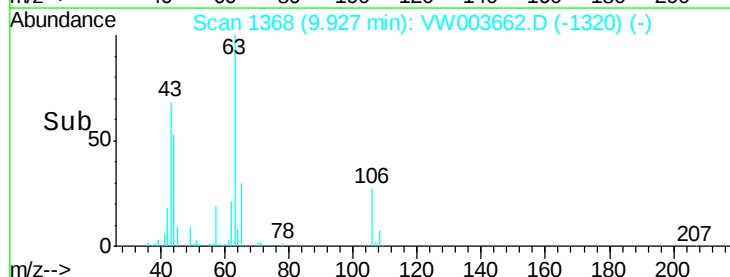
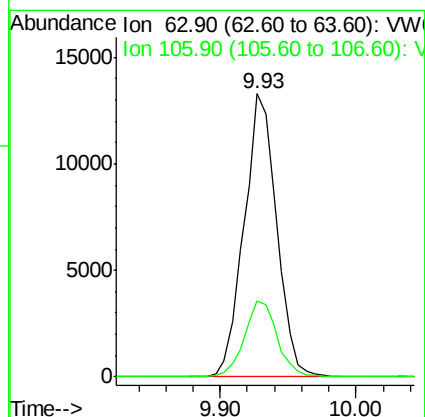
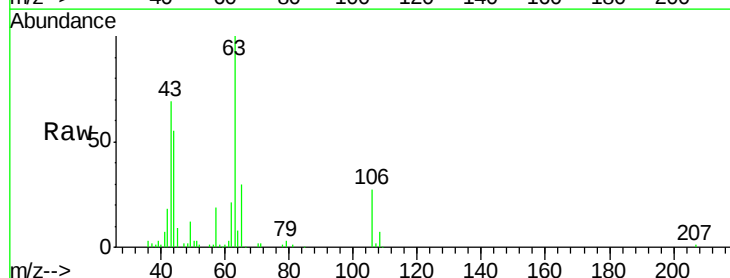
Acq: 29 Jun 2018 15:58

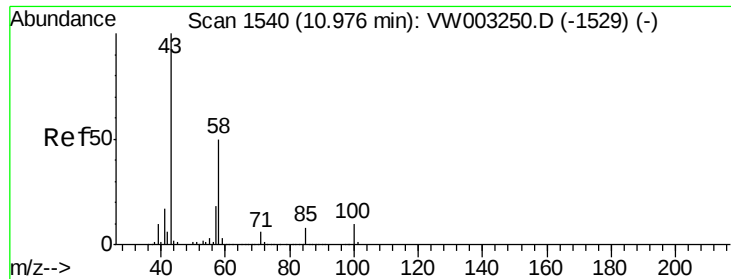
Tgt Ion: 63 Resp: 22248

Ion Ratio Lower Upper

63 100

106 27.0 21.8 32.8





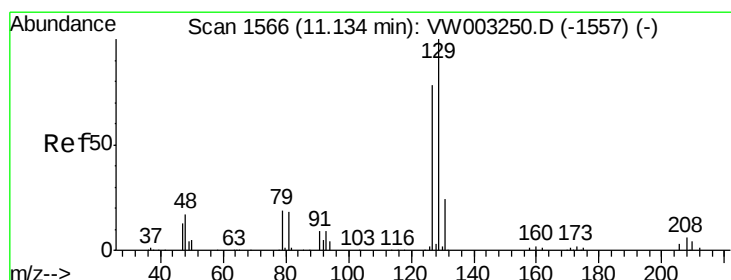
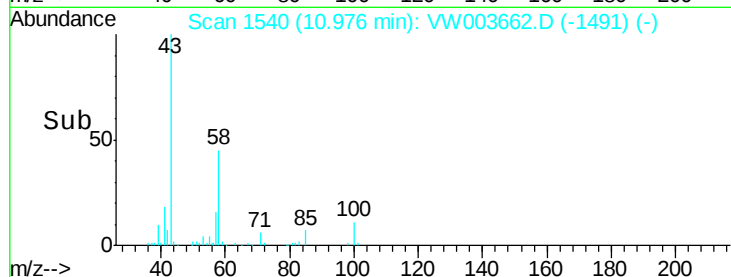
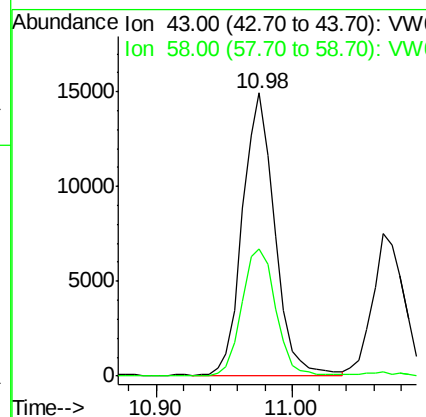
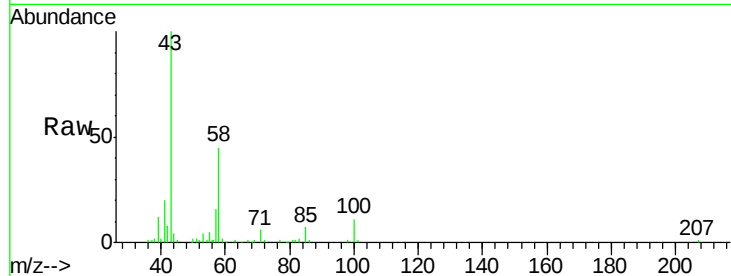
#59
2-Hexanone
Concen: 29.37 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion: 43 Resp: 24830
Ion Ratio Lower Upper
43 100
58 47.3 25.0 75.0

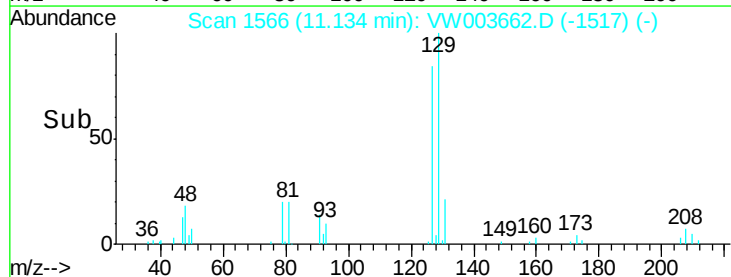
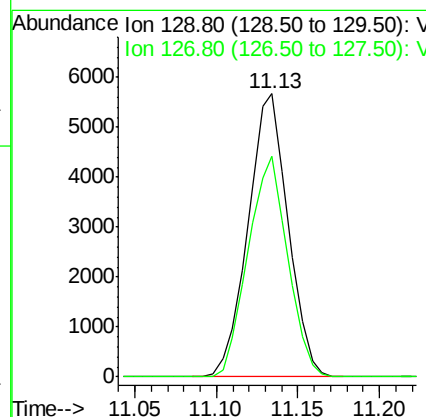
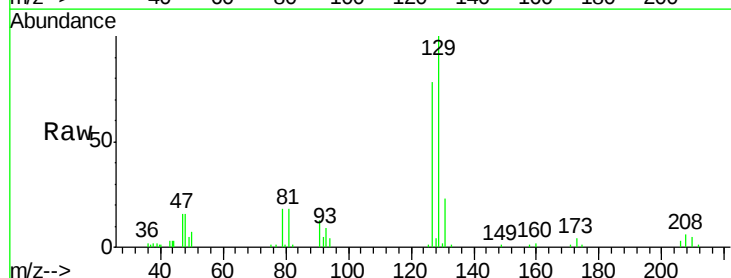
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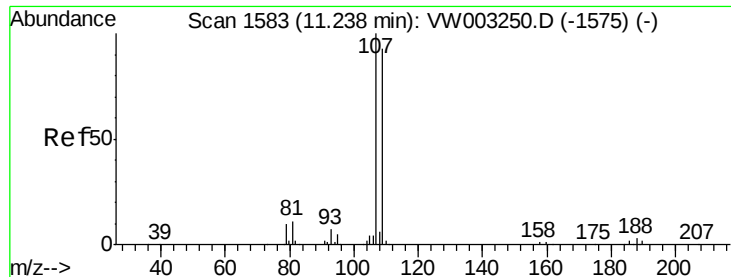
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#60
Dibromochloromethane
Concen: 5.56 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 129 Resp: 9663
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.5





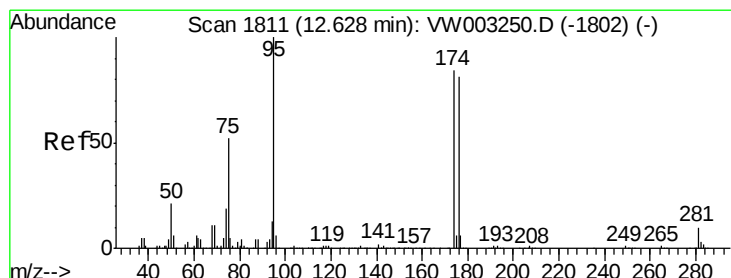
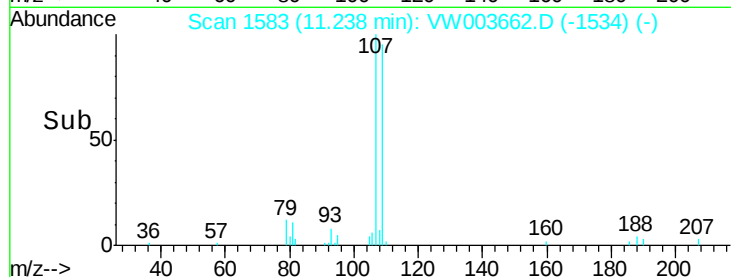
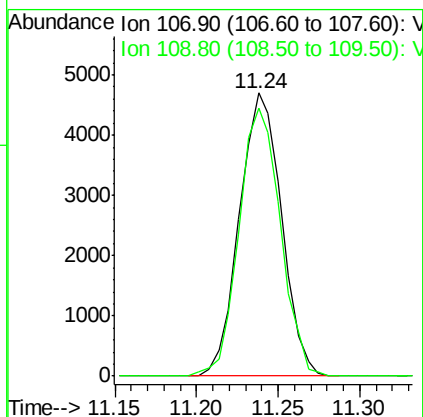
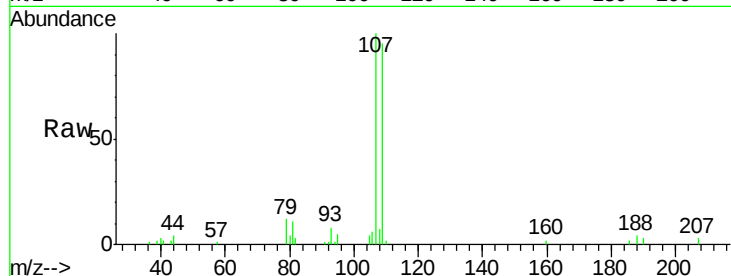
#61
 1,2-Dibromoethane
 Concen: 6.09 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.8	113.6

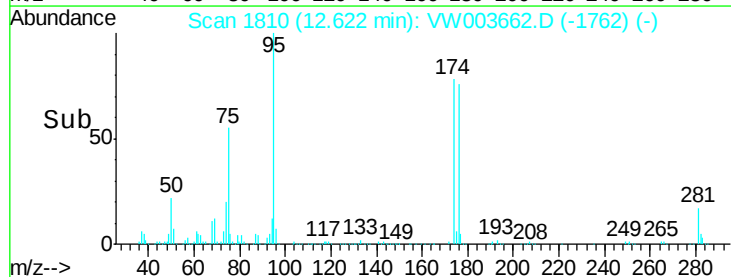
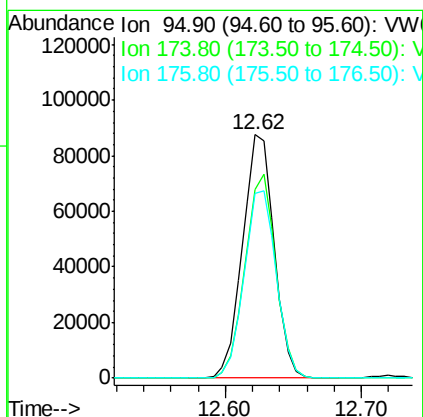
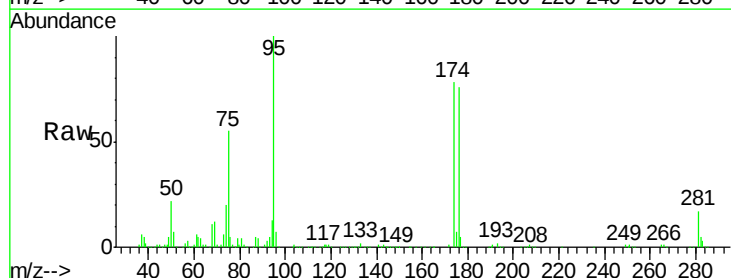
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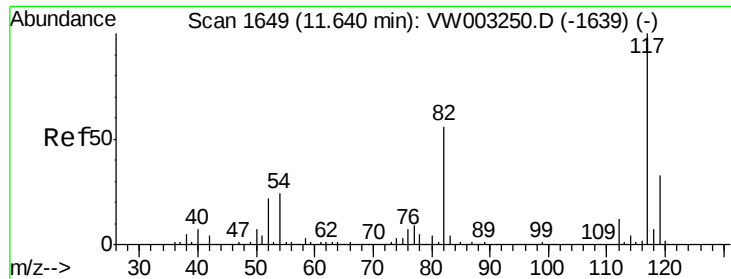
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.47 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	166.4
176	78.8	0.0	162.0





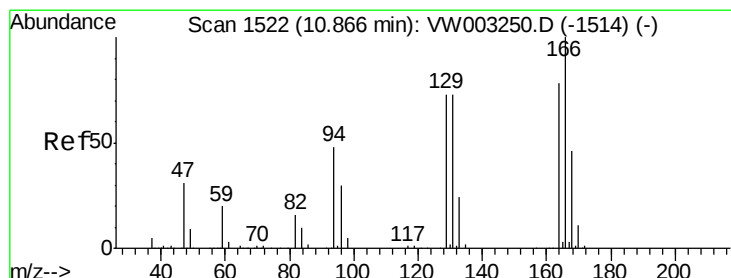
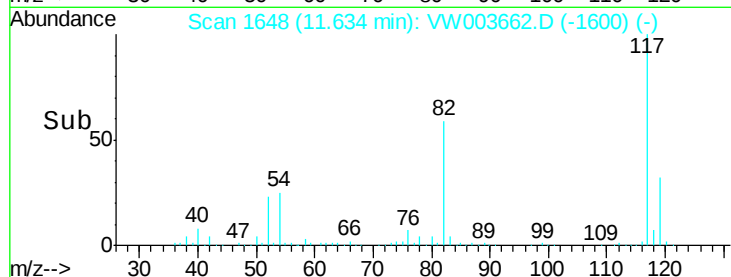
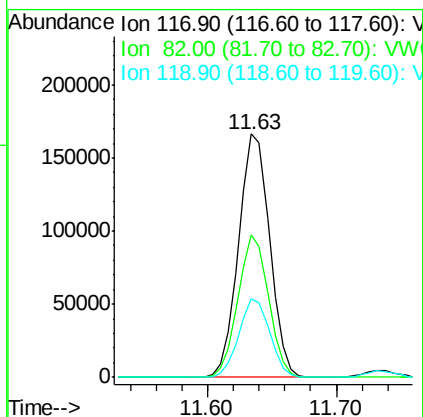
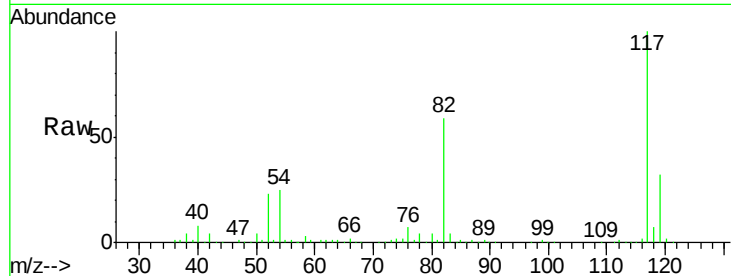
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	44.6	67.0
119	32.4	26.7	40.1

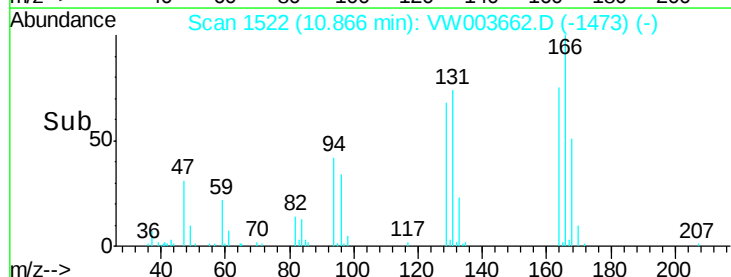
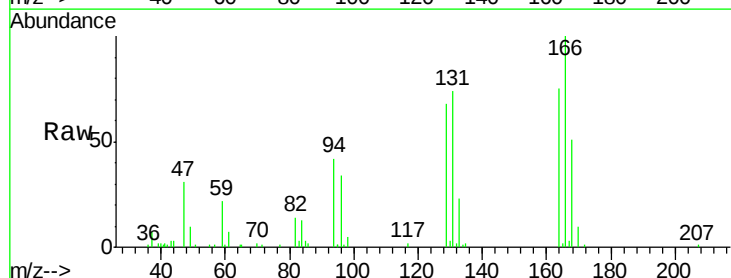
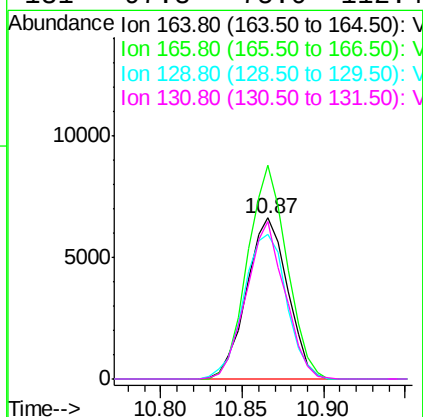
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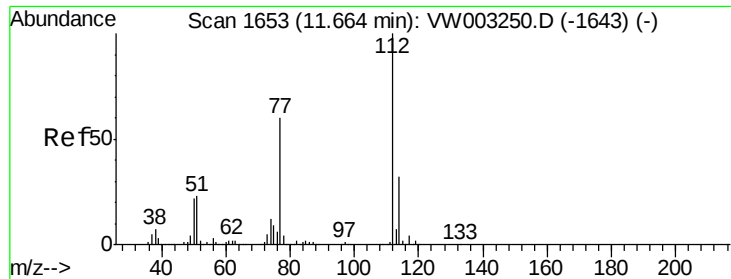
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#64
Tetrachloroethene
Concen: 6.25 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.5	102.6	154.0
129	89.9	75.2	112.8
131	97.8	75.0	112.4





#65

Chlorobenzene

Concen: 5.68 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion:112 Resp: 32922

Ion Ratio Lower Upper

112 100

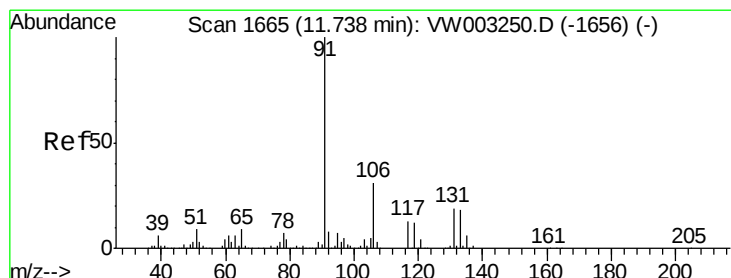
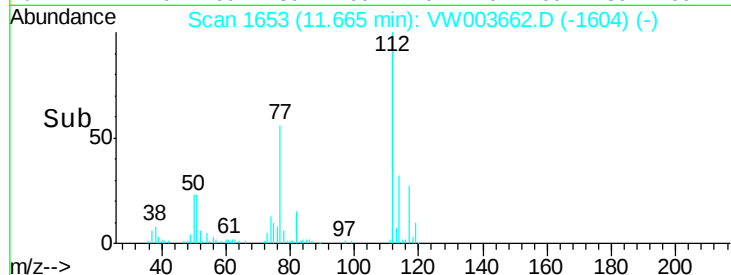
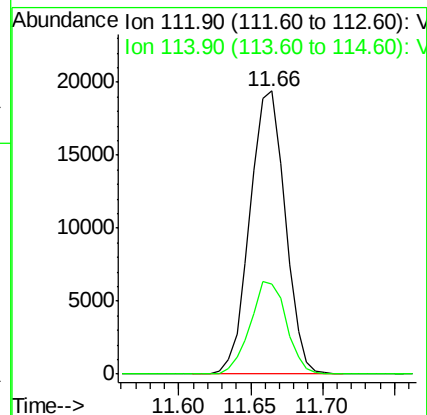
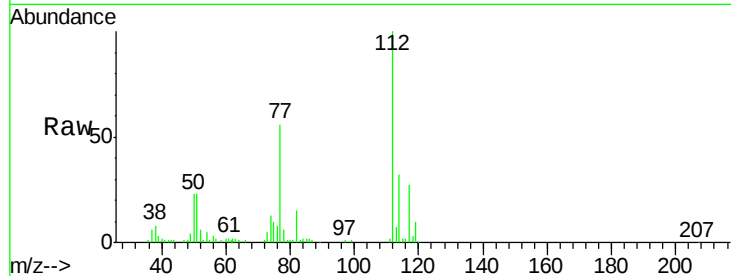
114 32.0 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.45 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

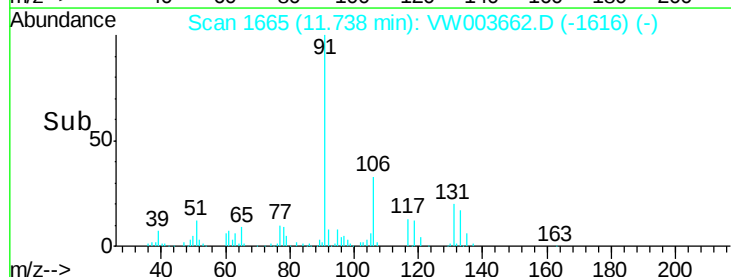
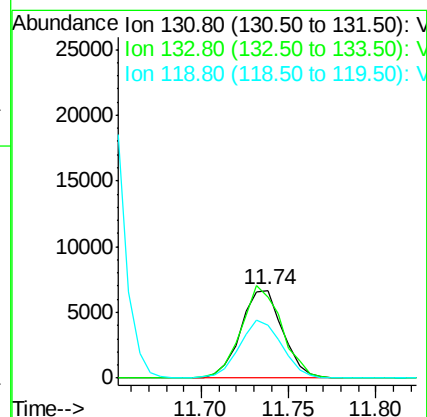
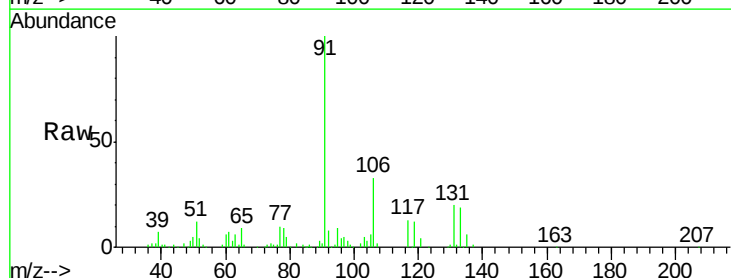
Tgt Ion:131 Resp: 11100

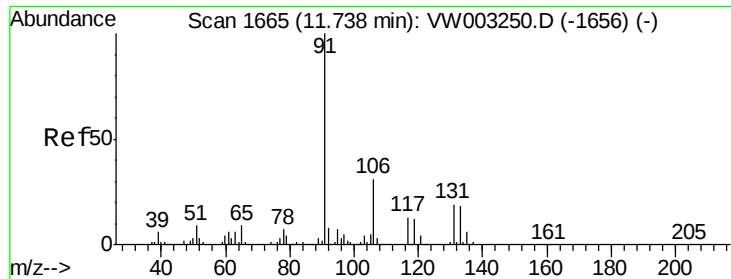
Ion Ratio Lower Upper

131 100

133 102.5 47.3 142.0

119 67.4 32.5 97.4





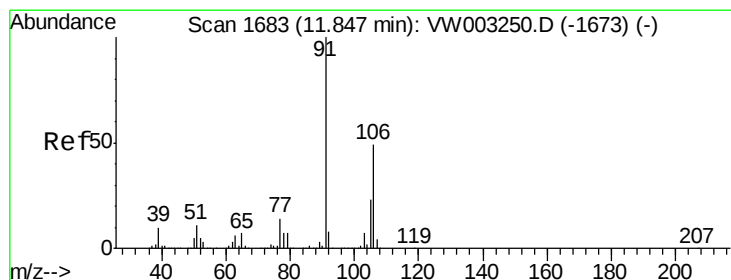
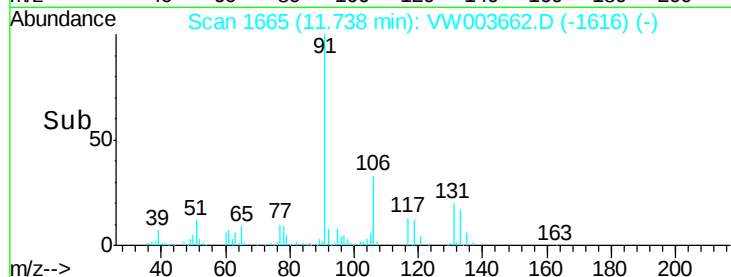
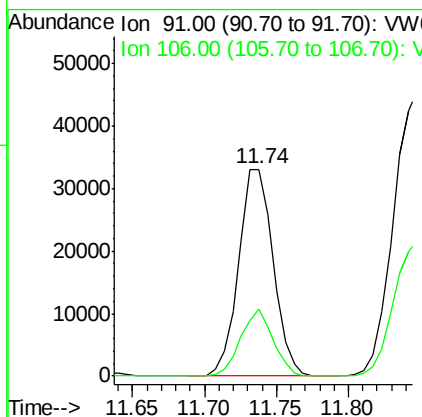
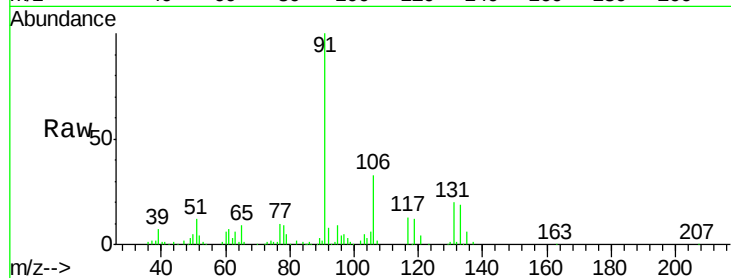
#67
Ethyl Benzene
Concen: 5.37 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion: 91 Resp: 55208
Ion Ratio Lower Upper
91 100
106 32.5 24.7 37.1

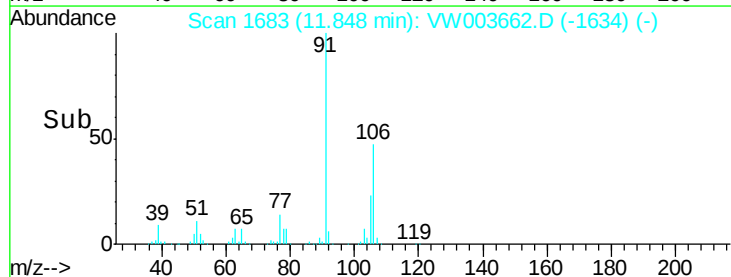
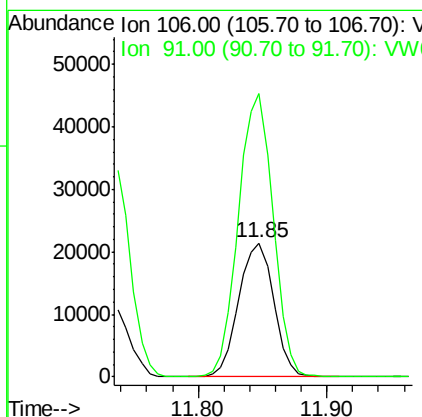
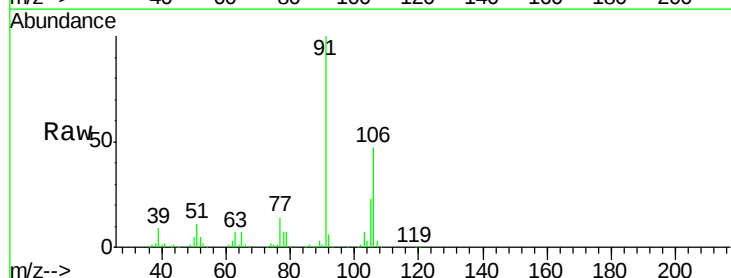
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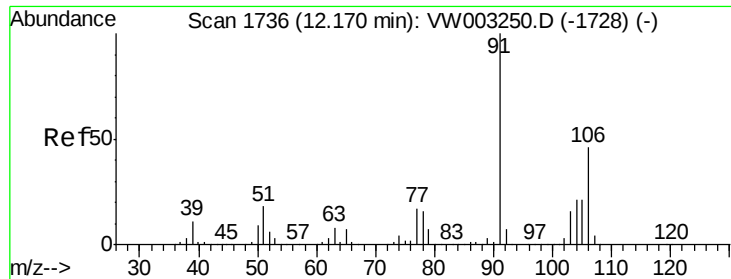
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#68
m/p-Xylenes
Concen: 10.30 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 106 Resp: 40246
Ion Ratio Lower Upper
106 100
91 210.0 165.4 248.0





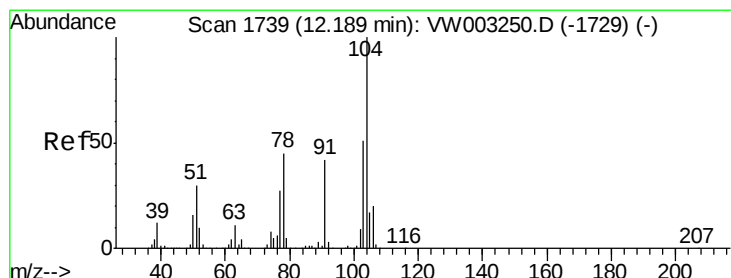
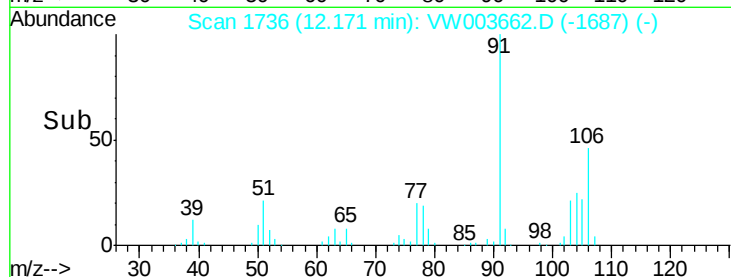
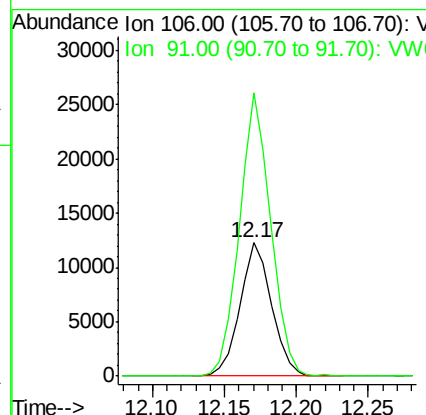
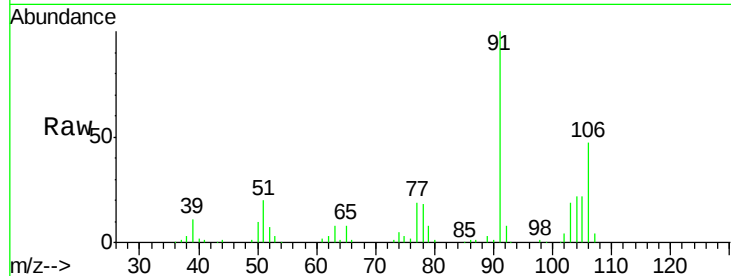
#69
o-Xylene
Concen: 5.18 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion:106 Resp: 18738
Ion Ratio Lower Upper
106 100
91 210.6 108.6 325.6

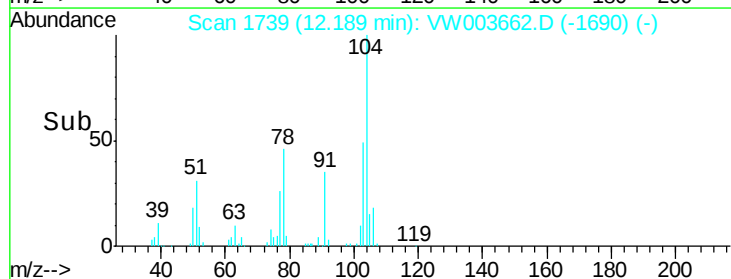
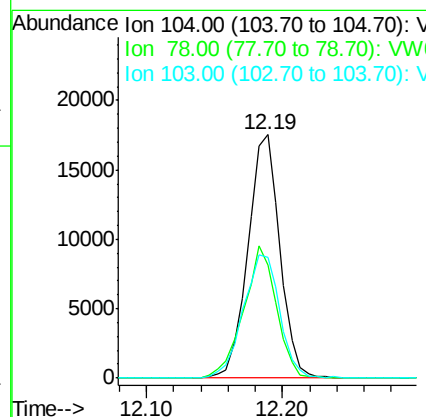
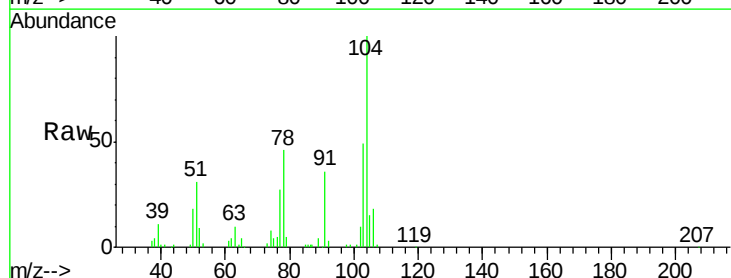
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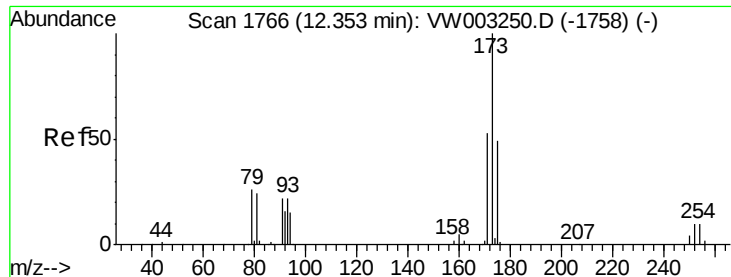
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#70
Styrene
Concen: 4.76 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion:104 Resp: 28683
Ion Ratio Lower Upper
104 100
78 55.9 41.3 61.9
103 58.1 45.0 67.4





#71

Bromoform

Concen: 5.55 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

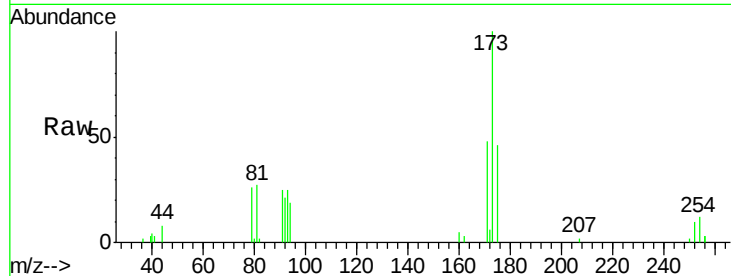
ClientSampleId :

LOQ-SCM-Precision-Bias-3

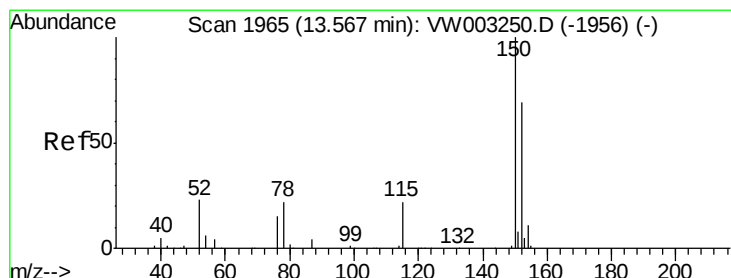
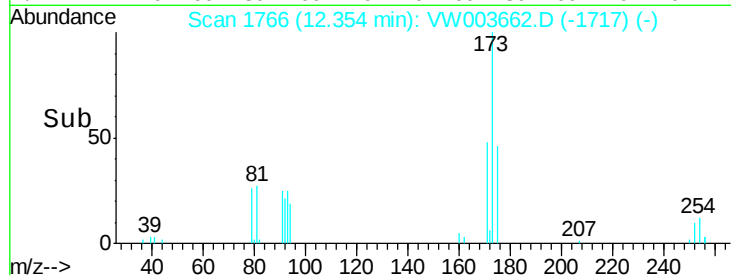
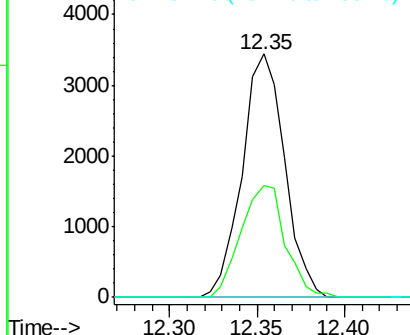
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.4
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

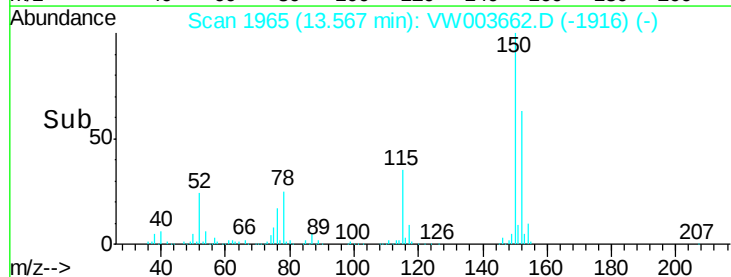
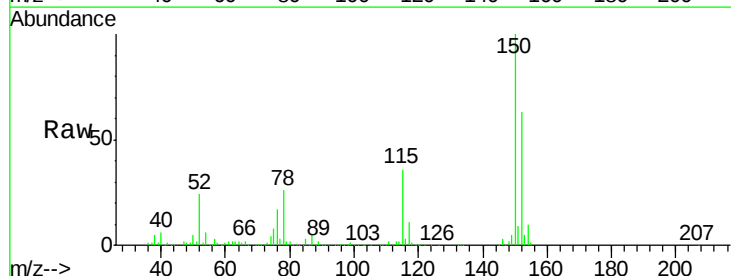
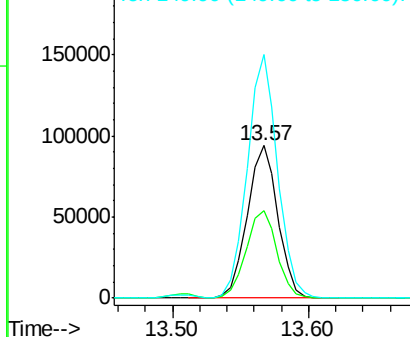
Delta R.T. 0.00 min

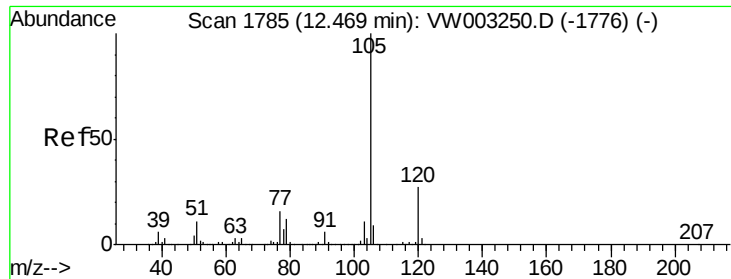
Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.3	88.0
150	158.2	0.0	349.6

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.92 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 105 Resp: 50350

Ion Ratio Lower Upper

105 100

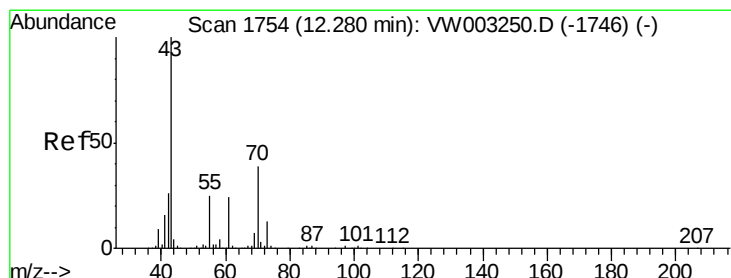
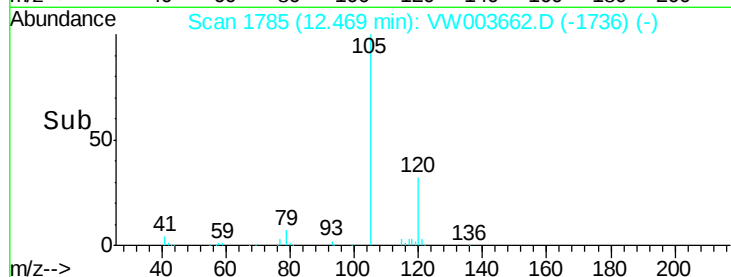
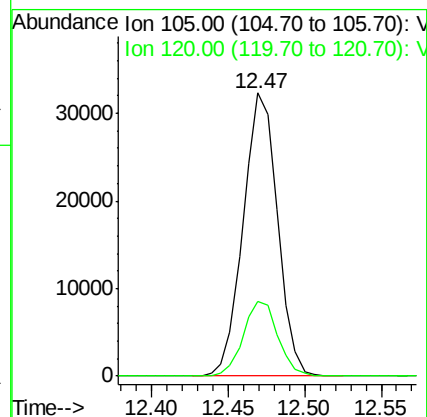
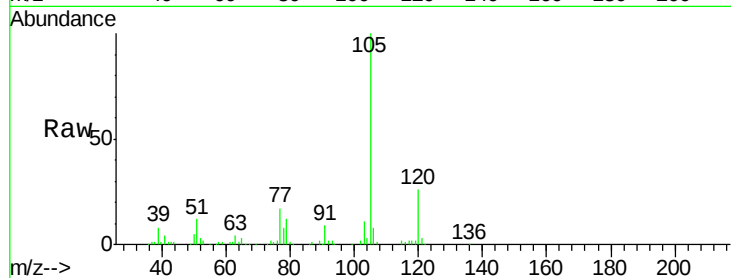
120 26.5 13.2 39.6

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#74

N-ethyl acetate

Concen: 5.47 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion: 43 Resp: 12751

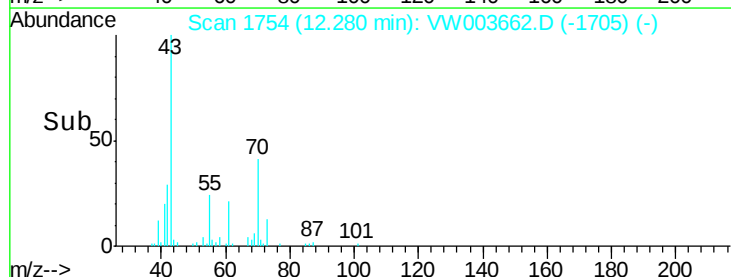
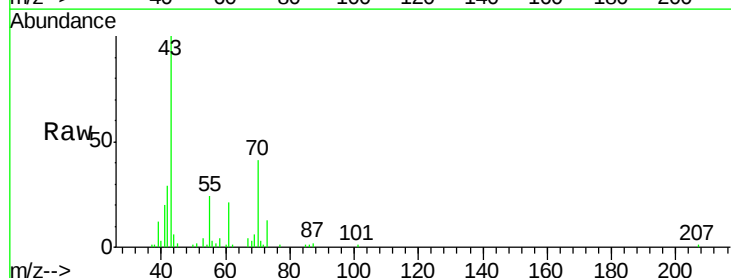
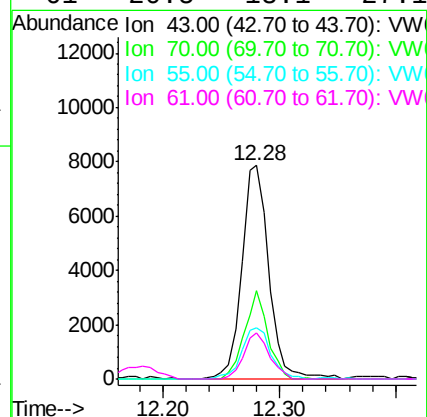
Ion Ratio Lower Upper

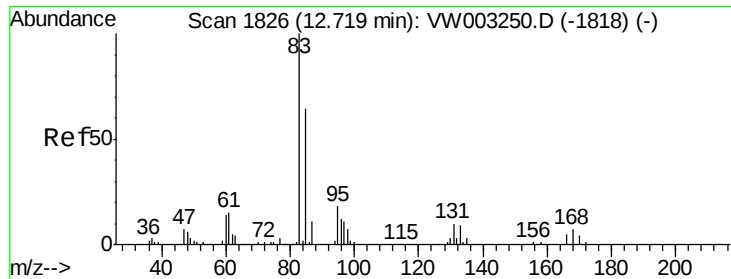
43 100

70 35.3 31.0 46.6

55 25.9 19.7 29.5

61 20.5 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 6.33 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

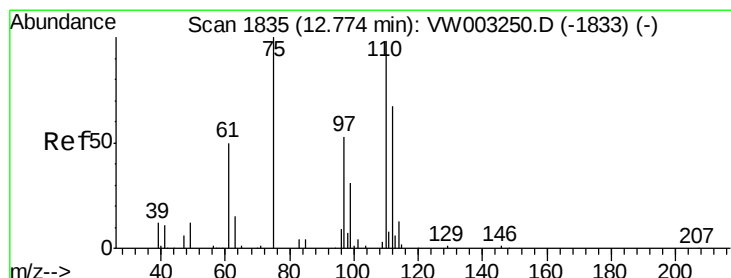
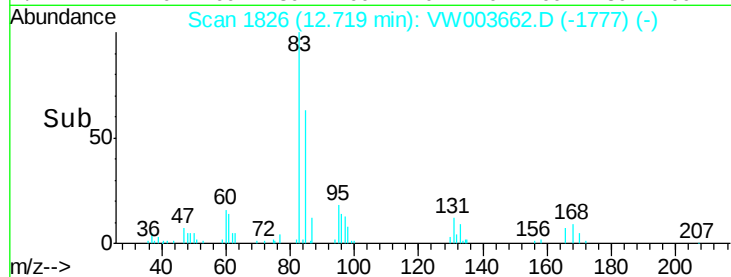
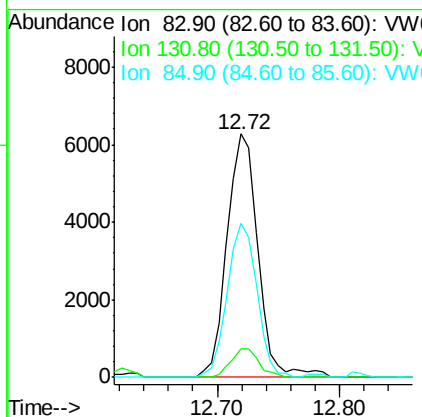
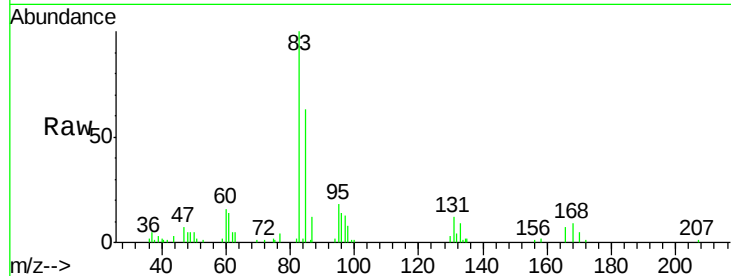
ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion:	83	Resp:	10966
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	60.5	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 6.73 ug/l m

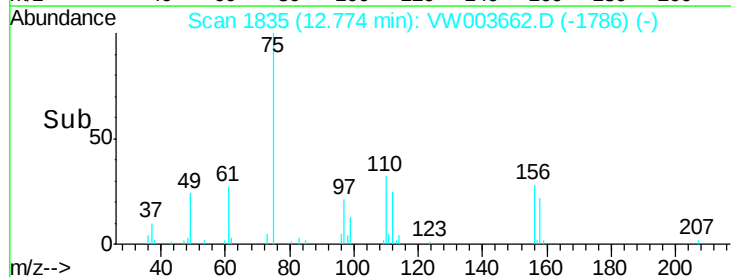
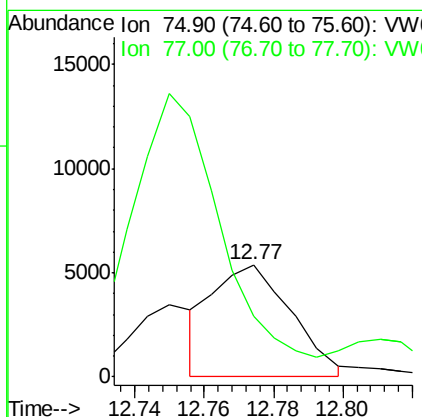
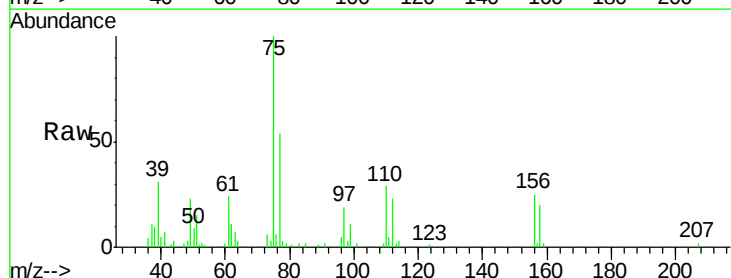
RT: 12.77 min Scan# 1835

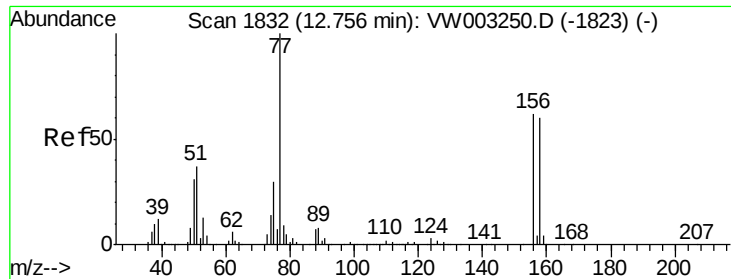
Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion:	75	Resp:	8468
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





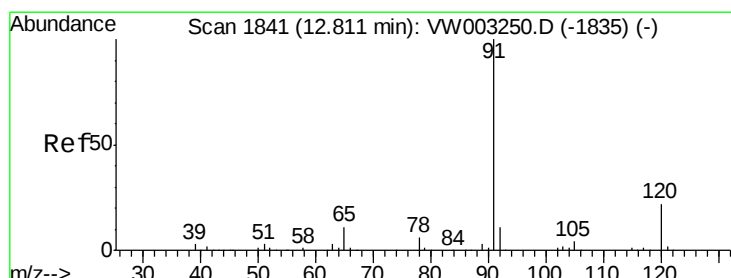
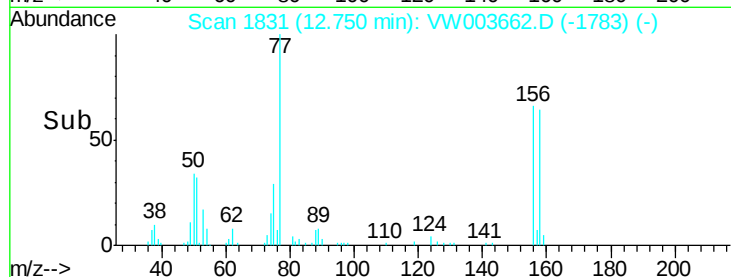
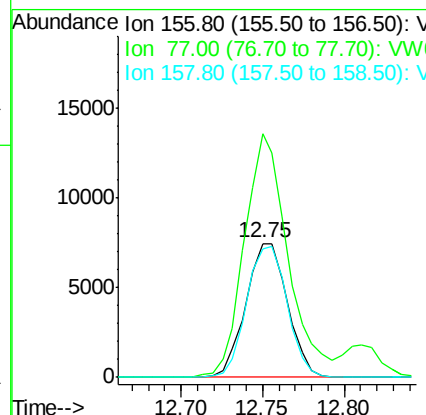
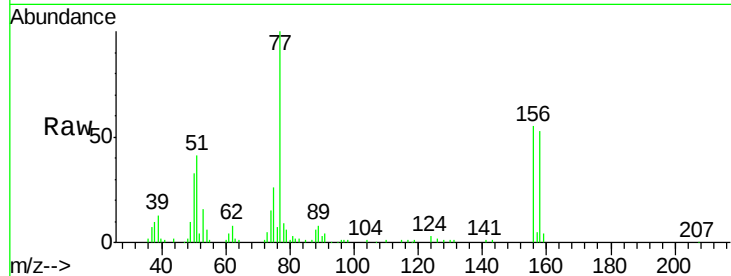
#77
Bromobenzene
Concen: 5.57 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.9	92.3	276.9
158	95.5	47.5	142.6

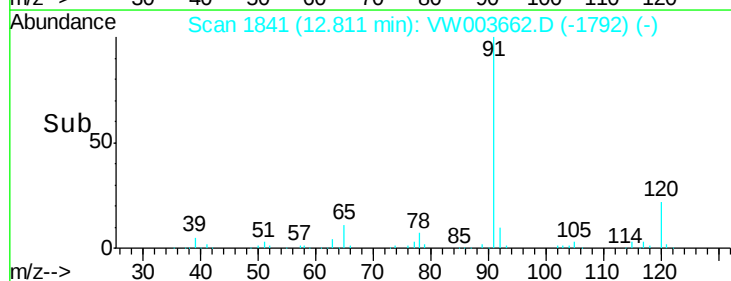
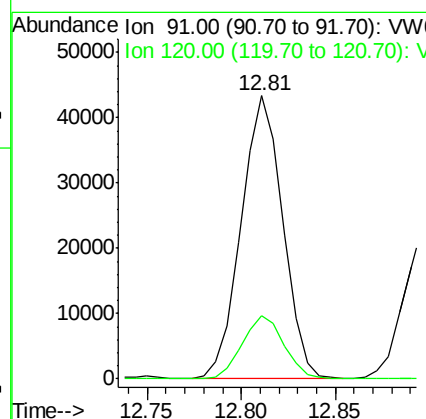
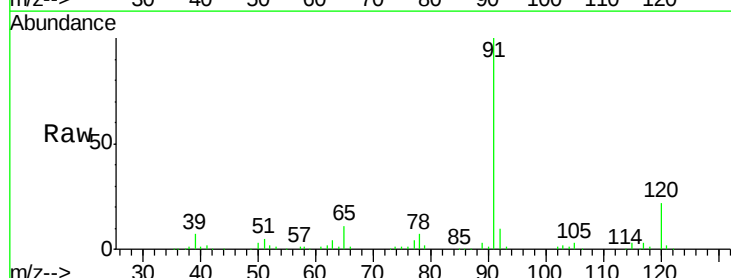
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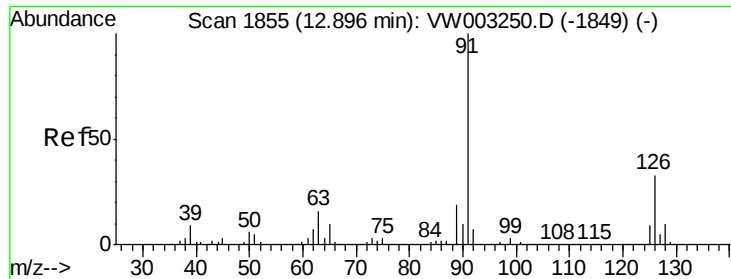
apatel
7/2/2018 10:30:43 AM



#78
n-propylbenzene
Concen: 5.28 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.8





#79

2-Chlorotoluene

Concen: 5.26 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion: 91 Resp: 37283

Ion Ratio Lower Upper

91 100

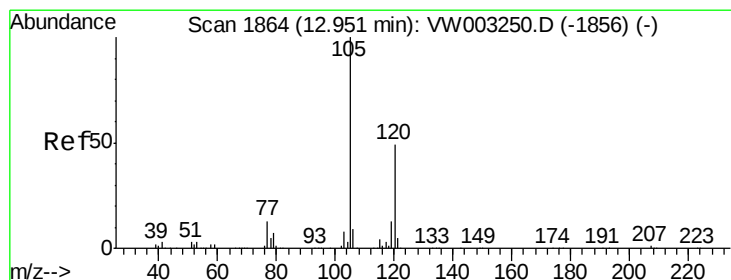
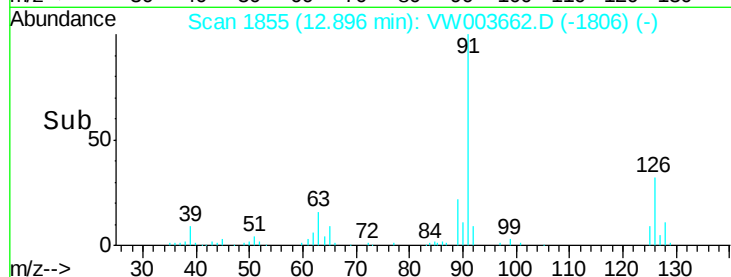
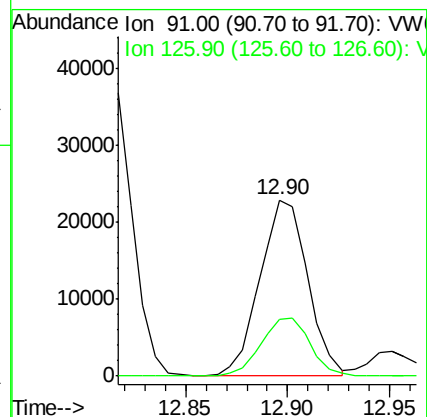
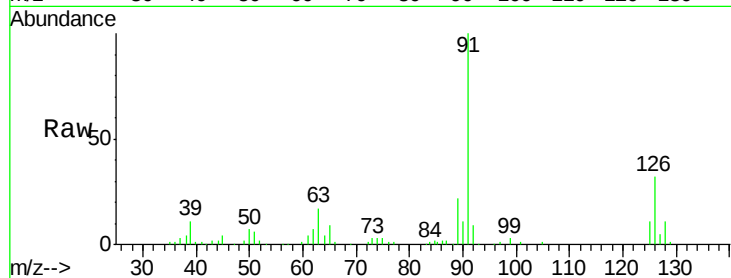
126 34.0 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.00 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003662.D

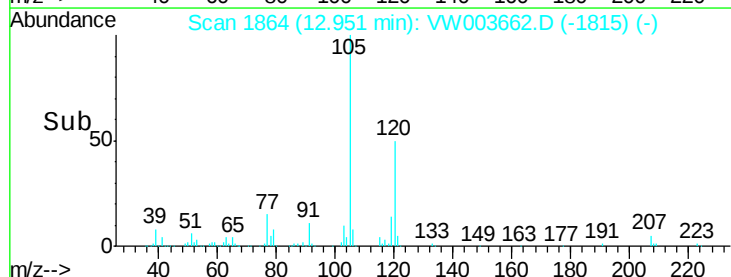
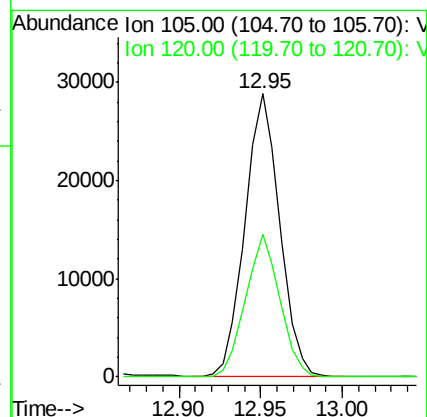
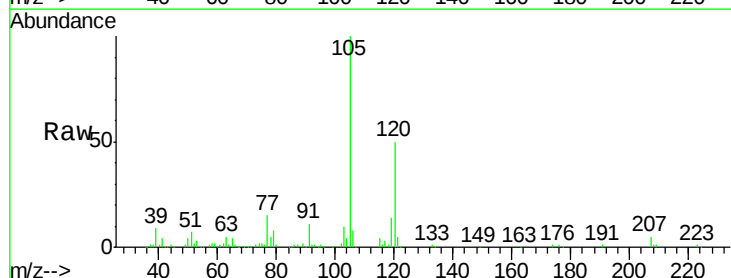
Acq: 29 Jun 2018 15:58

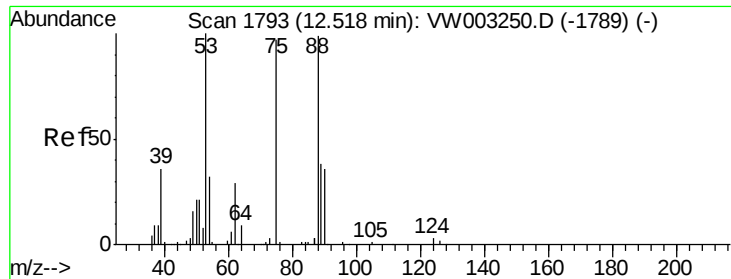
Tgt Ion:105 Resp: 42965

Ion Ratio Lower Upper

105 100

120 49.5 24.3 72.9





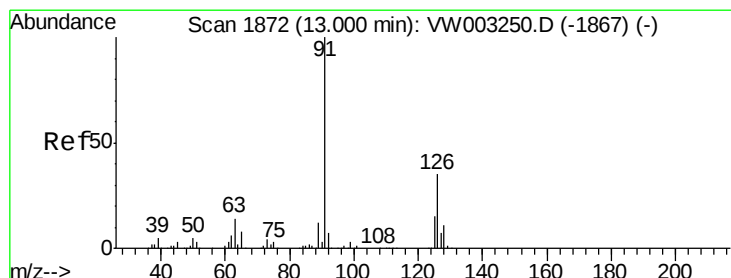
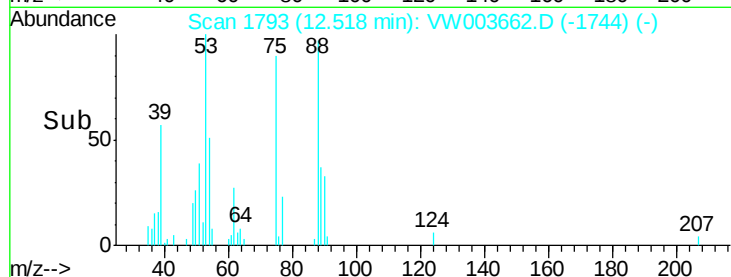
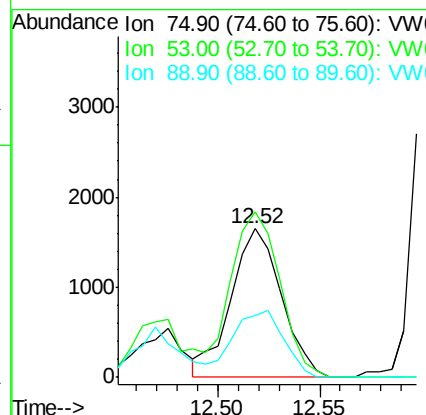
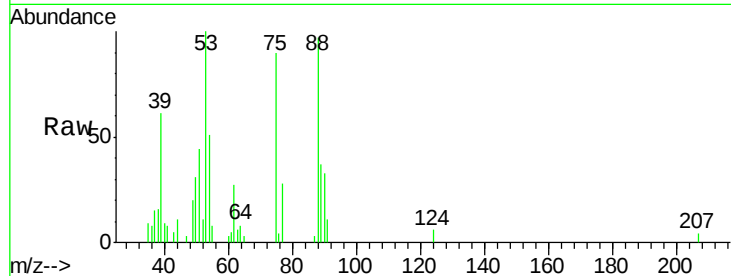
#81
trans-1,4-Dichloro-2-butene
Concen: 5.15 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	82.9	124.3
89	45.5	36.7	55.1

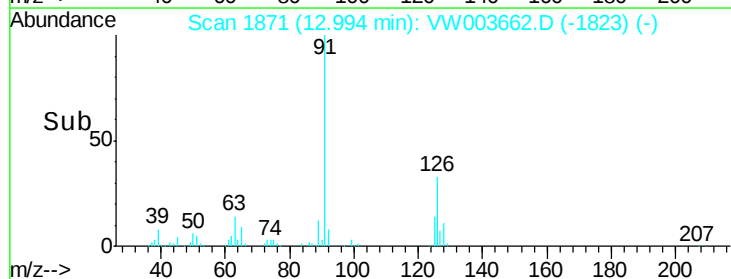
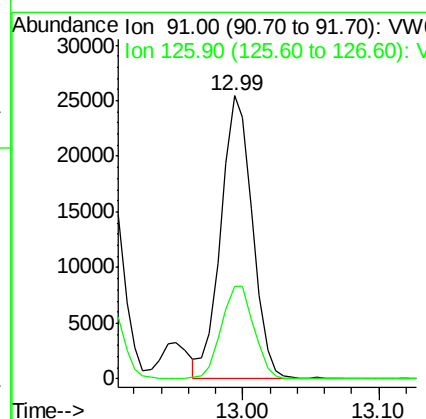
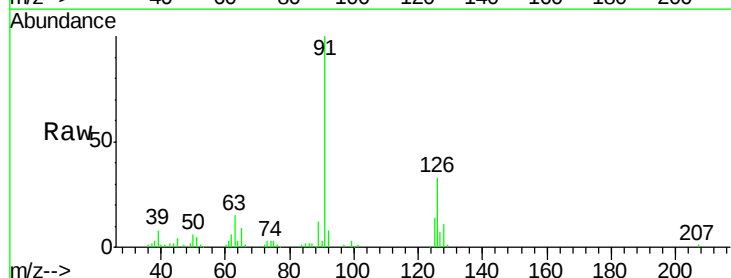
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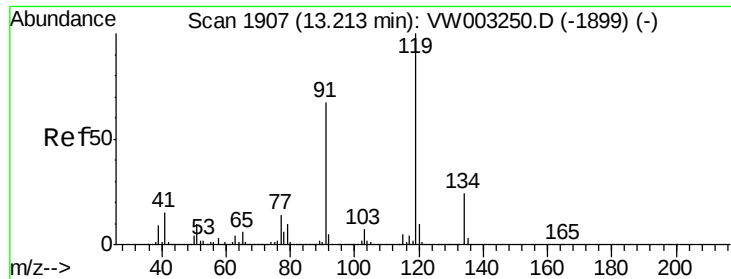
apatel
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#82
4-Chlorotoluene
Concen: 5.43 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.8	50.3





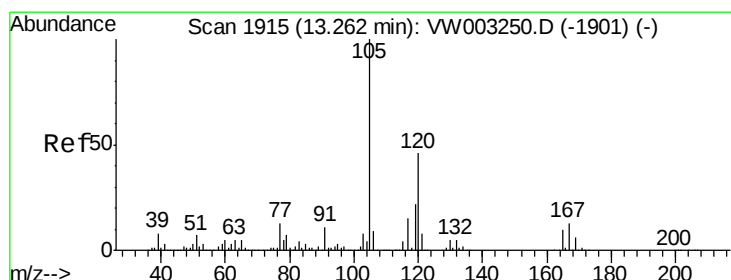
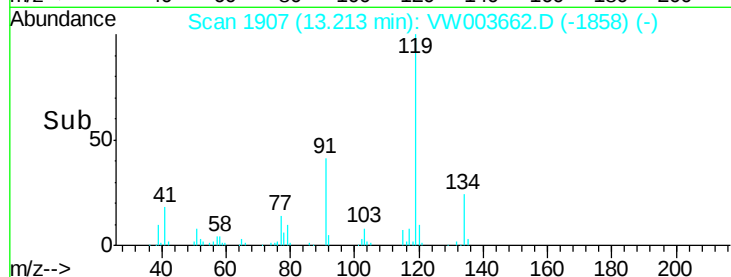
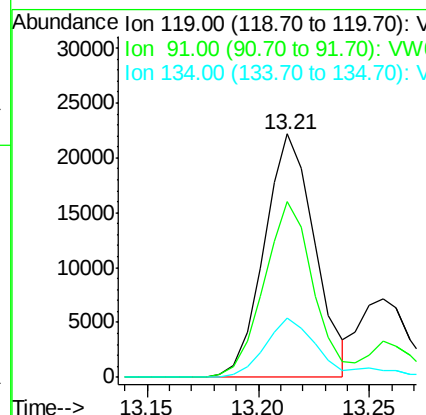
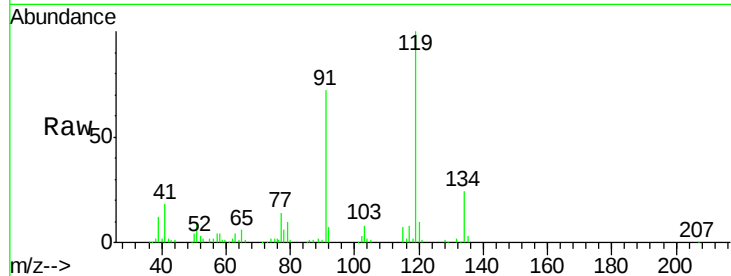
#83
 tert-Butylbenzene
 Concen: 4.77 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.2	33.9	101.7
134	24.4	13.4	40.1

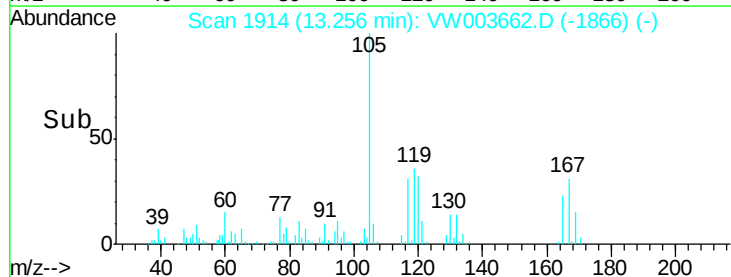
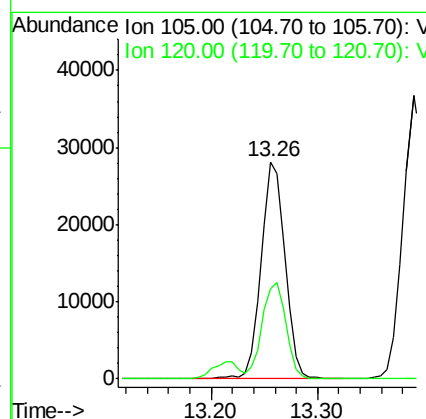
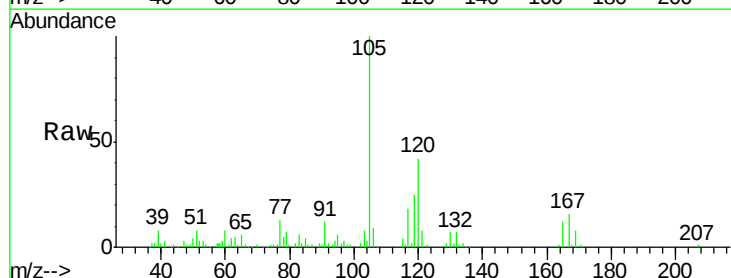
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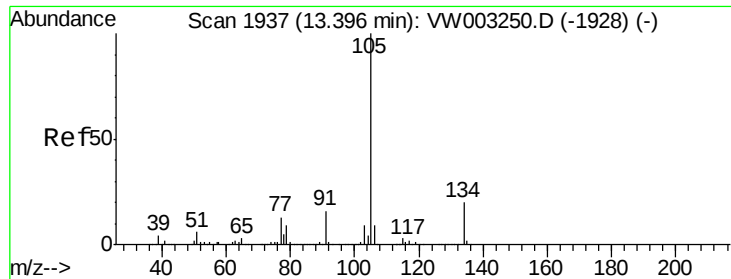
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.05 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.5	67.5





#85

sec-Butylbenzene

Concen: 5.07 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion:105 Resp: 55187

Ion Ratio Lower Upper

105 100

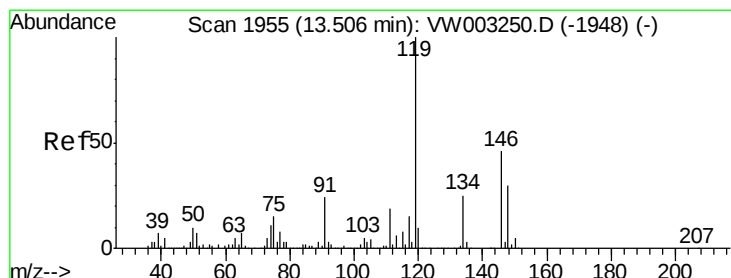
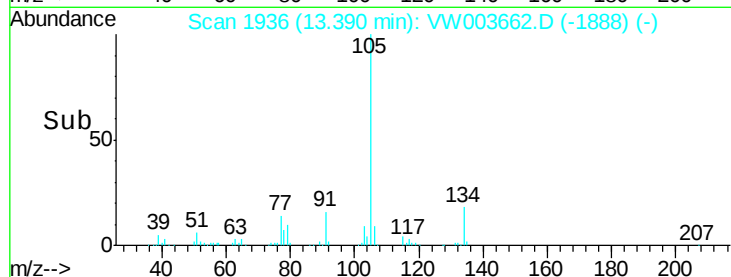
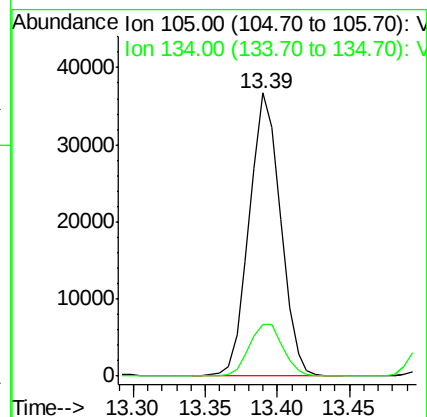
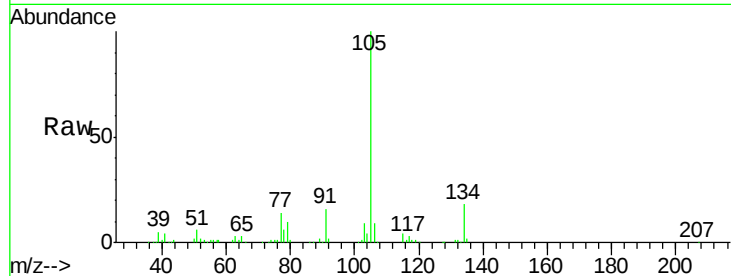
134 19.7 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 4.74 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

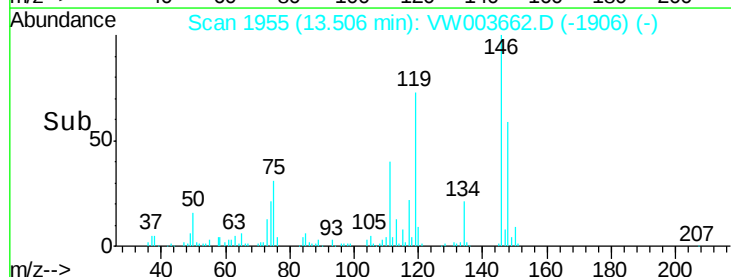
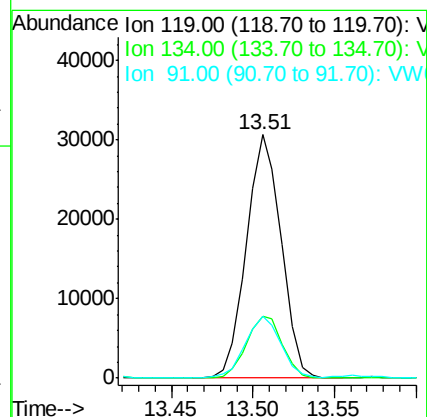
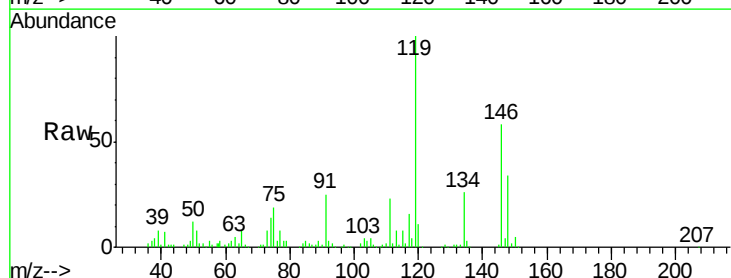
Tgt Ion:119 Resp: 45541

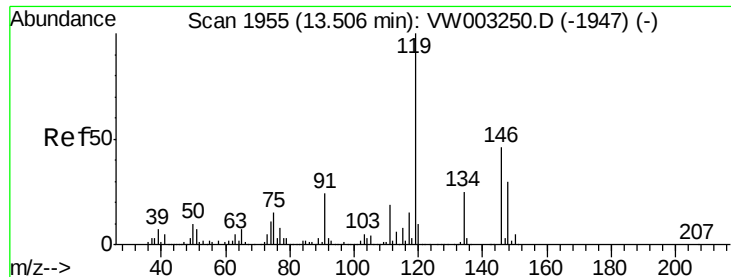
Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

91 26.0 11.8 35.3





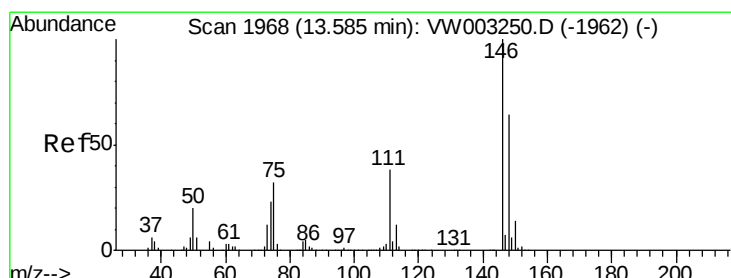
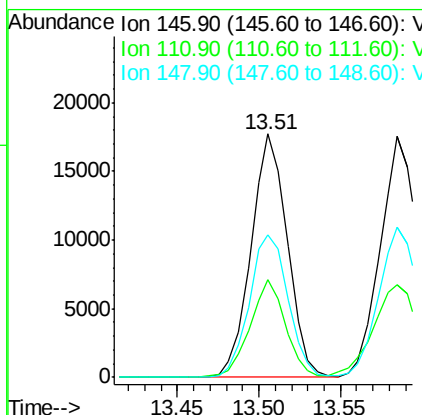
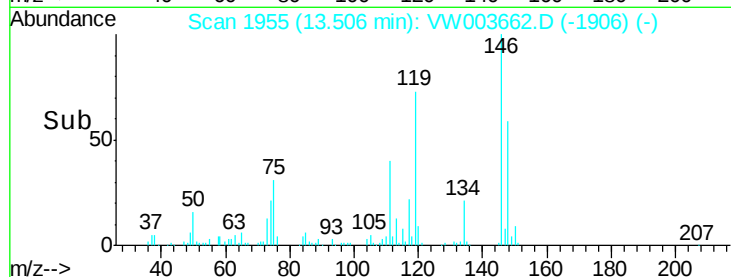
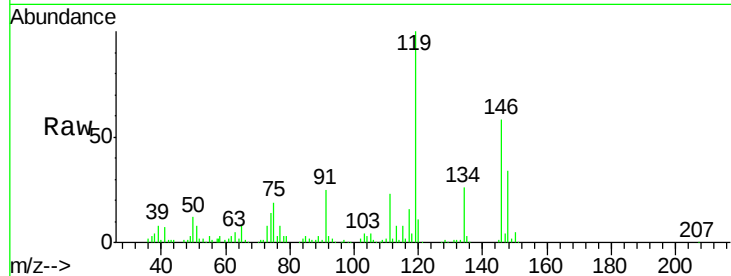
#87
 1,3-Dichlorobenzene
 Concen: 5.61 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.4
148	62.6	32.1	96.5

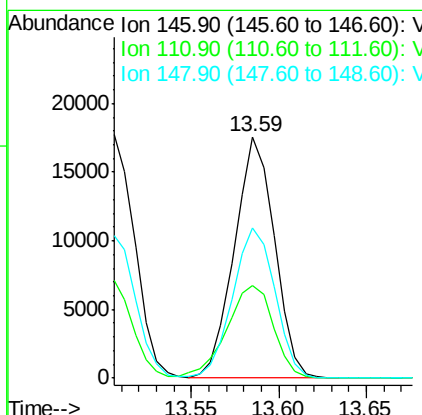
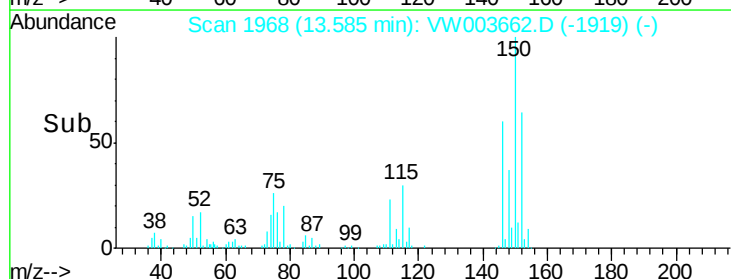
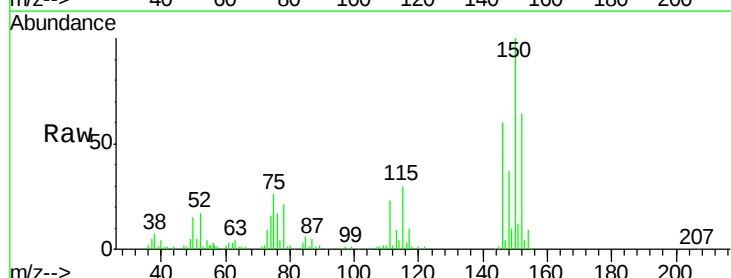
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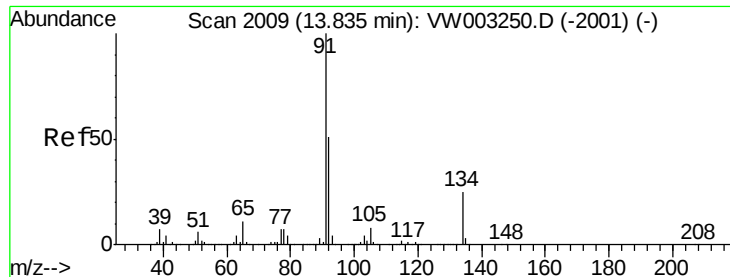
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#88
 1,4-Dichlorobenzene
 Concen: 5.80 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	19.2	57.6
148	65.7	31.8	95.4





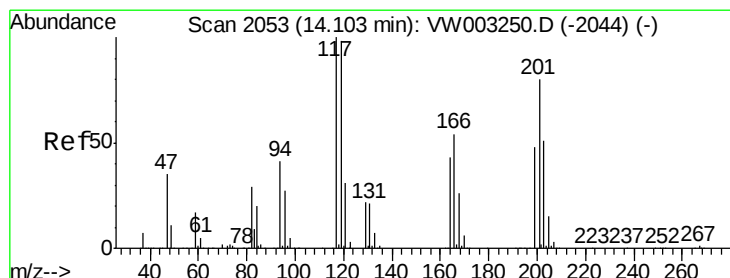
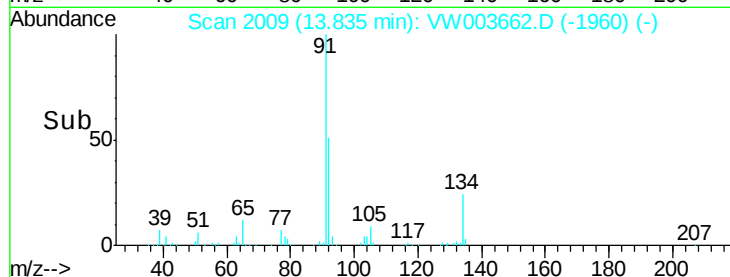
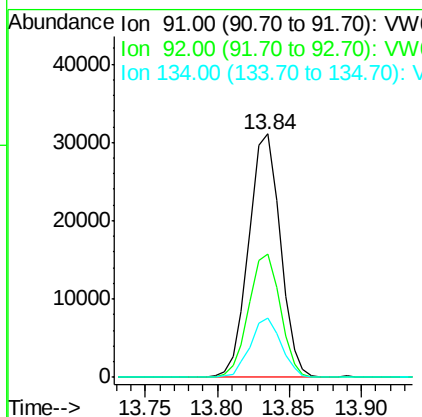
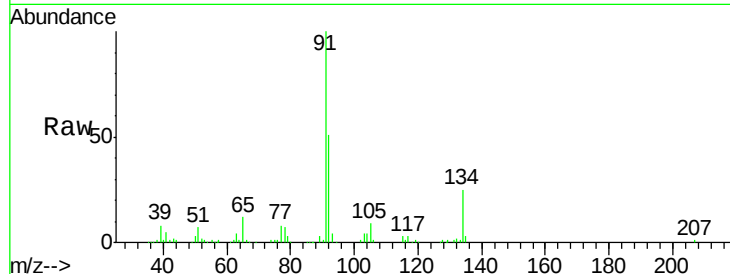
#89
n-Butylbenzene
Concen: 5.05 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.0	78.0
134	24.1	12.7	38.0

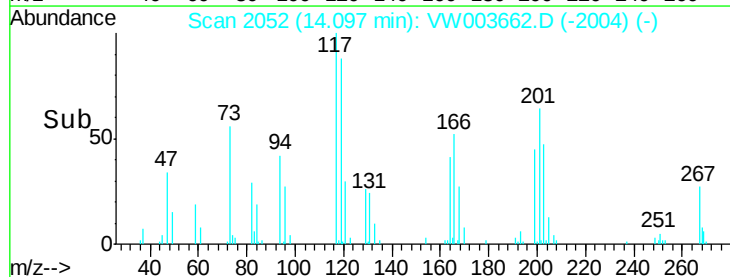
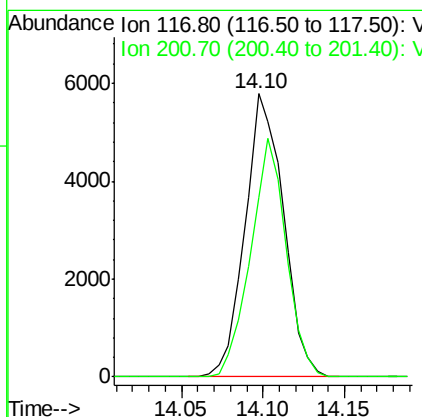
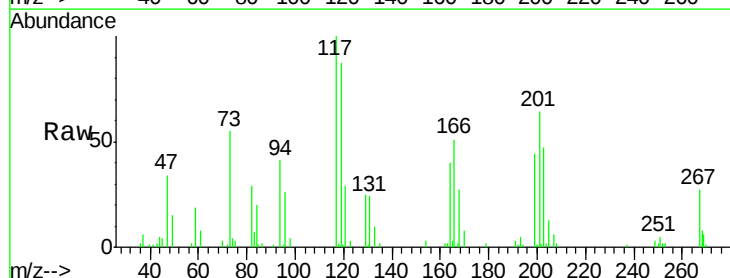
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#90
Hexachloroethane
Concen: 5.48 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	39.5	118.5





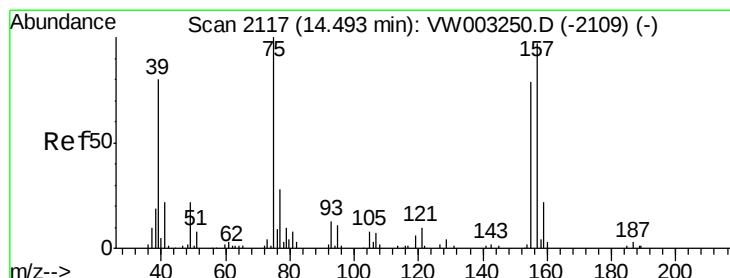
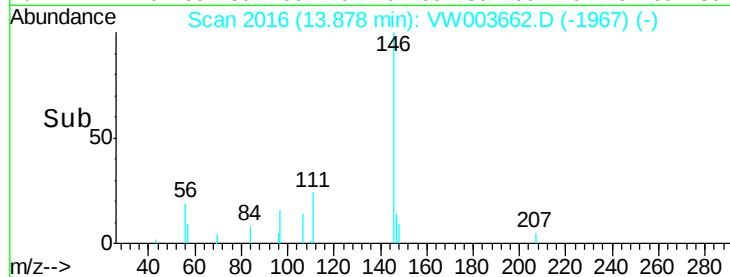
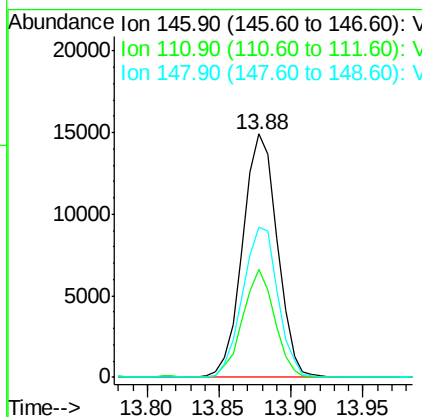
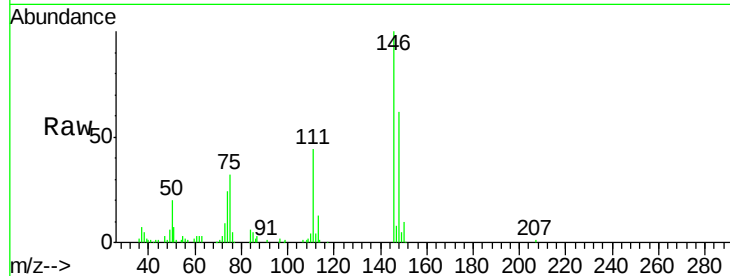
#91
 1,2-Dichlorobenzene
 Concen: 5.79 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	62.7	32.3	96.9

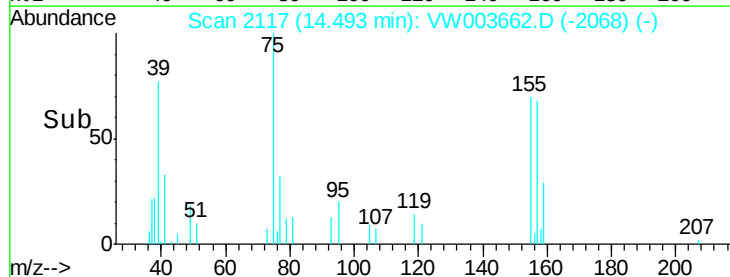
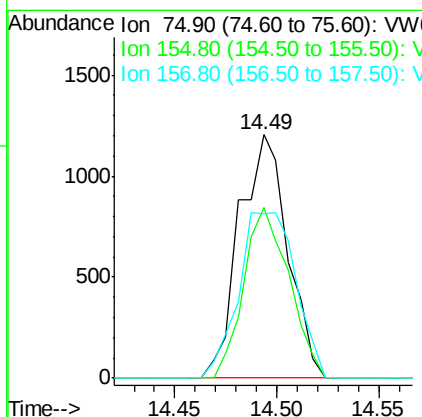
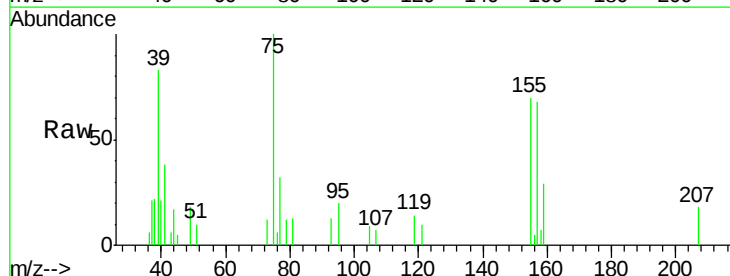
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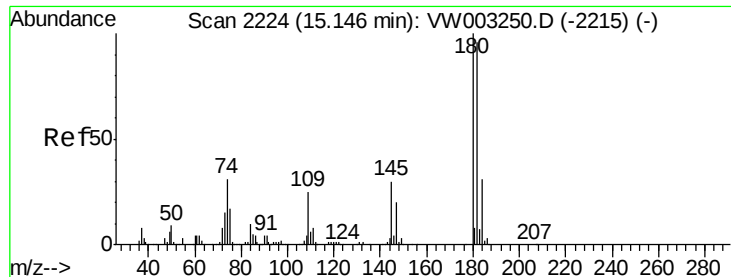
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.80 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.8	39.4	118.2
157	80.5	51.5	154.5





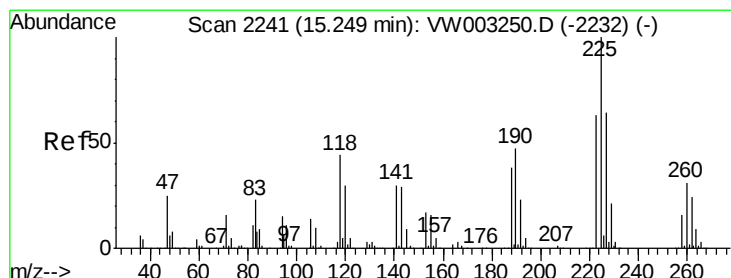
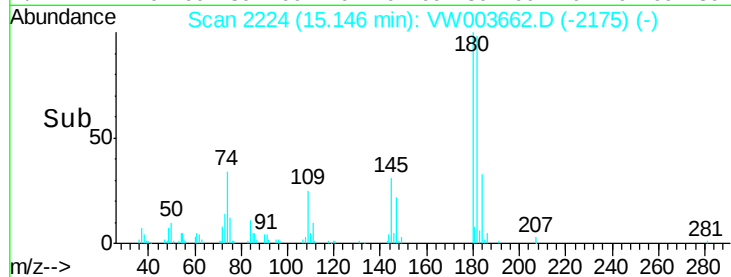
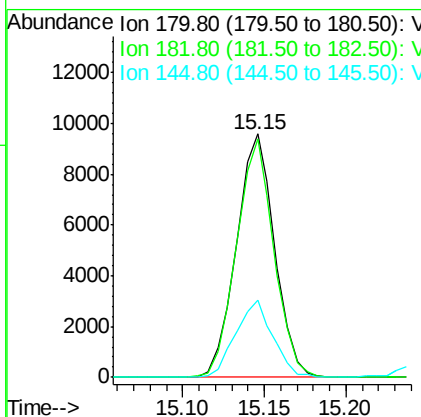
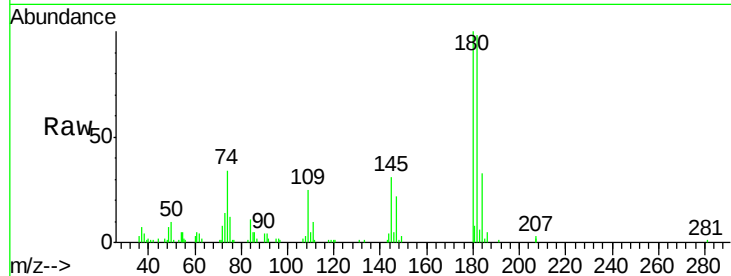
#93
 1,2,4-Trichlorobenzene
 Concen: 5.17 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-3

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	30.8	15.2	45.5

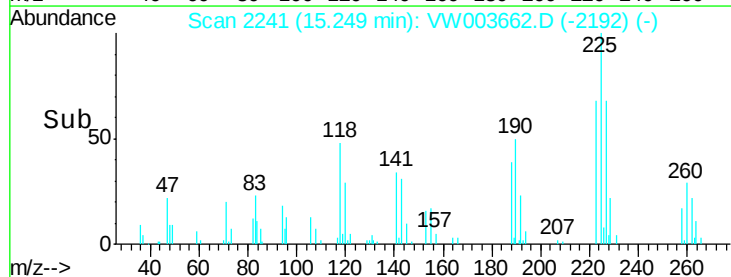
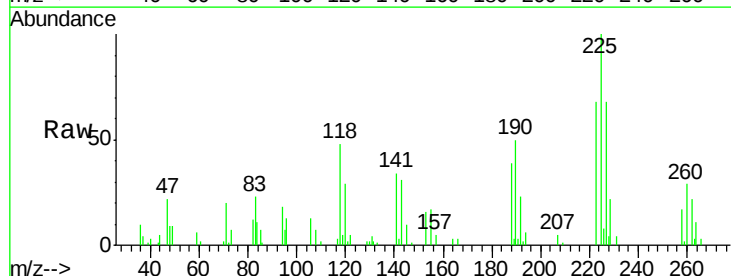
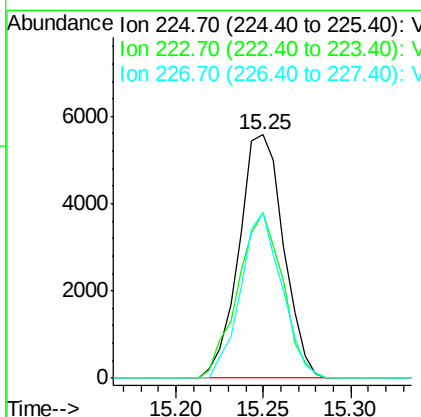
Manual Integrations
 APPROVED

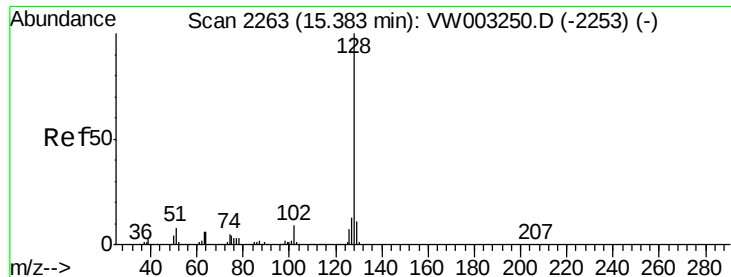
apatel
 7/2/2018 10:30:43 AM



#94
 Hexachlorobutadiene
 Concen: 5.45 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.2	30.6	92.0
227	62.5	31.7	95.1





#95

Naphthalene

Concen: 4.84 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

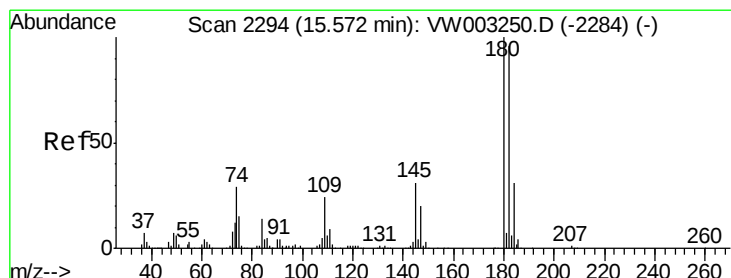
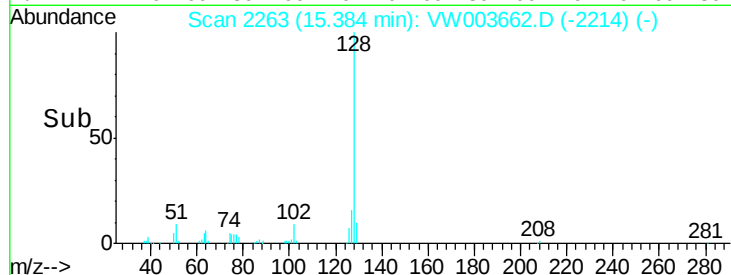
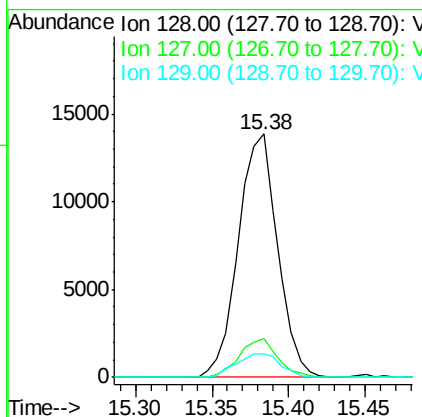
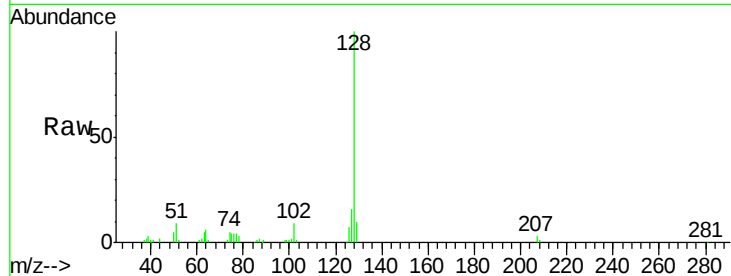
ClientSampleId :

LOQ-SCM-Precision-Bias-3

Tot Ion:	128	Resp:	24705
Ion Ratio	Lower	Upper	
128	100		
127	15.5	10.5	15.7
129	10.9	8.9	13.3

Manual Integrations
APPROVED

apatel
7/2/2018 10:30:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.35 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion:	180	Resp:	14181
Ion Ratio	Lower	Upper	
180	100		
182	90.7	47.9	143.6
145	31.2	15.8	47.4

