

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003294.D
 Acq On : 15 Jun 2018 16:18
 Operator : SY/AP
 Sample : J2923-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

Quant Time: Jun 16 03:46:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	383157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	353050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	182810	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	14474	5.43	ug/l	0.00
Spiked Amount			Recovery	=	10.86%	
35) Dibromofluoromethane	7.88	113	12839	5.39	ug/l	0.00
Spiked Amount			Recovery	=	10.78%	
50) Toluene-d8	10.33	98	48202	5.11	ug/l	0.00
Spiked Amount			Recovery	=	10.22%	
62) 4-Bromofluorobenzene	12.63	95	17326	5.19	ug/l	0.00
Spiked Amount			Recovery	=	10.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	4327	5.818	ug/l	89
3) Chloromethane	2.21	50	12194	6.489	ug/l	95
4) Vinyl Chloride	2.36	62	17202	6.280	ug/l	95
5) Bromomethane	2.78	94	11026	6.056	ug/l	95
6) Chloroethane	2.93	64	10923	5.729	ug/l	97
7) Trichlorofluoromethane	3.25	101	9511	5.796	ug/l	96
8) Diethyl Ether	3.68	74	6808	5.647	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	13642	5.987	ug/l	100
10) Methyl Iodide	4.26	142	19635	5.697	ug/l	99
11) Tert butyl alcohol	5.24	59	2738	19.160	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	12560	5.640	ug/l	99
13) Acrolein	3.90	56	5611	27.463	ug/l	99
14) Allyl chloride	4.66	41	21070	5.462	ug/l	96
15) Acrylonitrile	5.37	53	13222	26.658	ug/l	99
16) Acetone	4.15	43	16075	28.765	ug/l	100
17) Carbon Disulfide	4.37	76	39921	6.064	ug/l	98
18) Methyl Acetate	4.68	43	9627	7.262	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	21961	5.265	ug/l #	90
20) Methylene Chloride	4.91	84	20158	5.203	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	13596	5.610	ug/l	96
22) Diisopropyl ether	6.32	45	37611	4.845	ug/l	96
23) Vinyl Acetate	6.26	43	97522	21.799	ug/l	99
24) 1,1-Dichloroethane	6.21	63	25307	5.491	ug/l	96
25) 2-Butanone	7.18	43	18728	26.951	ug/l	96
26) 2,2-Dichloropropane	7.17	77	17146	5.575	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	14319	5.378	ug/l	94
28) Bromochloromethane	7.51	49	10185	5.311	ug/l	98
29) Tetrahydrofuran	7.54	42	10505	24.735	ug/l	98
30) Chloroform	7.68	83	25741	5.482	ug/l	93
31) Cyclohexane	7.95	56	27520	6.392	ug/l #	77
32) 1,1,1-Trichloroethane	7.88	97	21639	5.583	ug/l	98
36) 1,1-Dichloropropene	8.08	75	19998	5.404	ug/l	99
37) Ethyl Acetate	7.27	43	8407	5.484	ug/l	99
38) Carbon Tetrachloride	8.07	117	19951	5.497	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22574	5.272	ug/l	98
40) Benzene	8.33	78	57047	5.593	ug/l	97
41) Methacrylonitrile	7.49	41	4437	4.717	ug/l	91
42) 1,2-Dichloroethane	8.40	62	17699	5.539	ug/l	100
43) Isopropyl Acetate	8.43	43	14989	4.924	ug/l	97
44) Trichloroethene	9.10	130	15018	5.557	ug/l	97
45) 1,2-Dichloropropane	9.37	63	14312	5.511	ug/l	92
46) Dibromomethane	9.46	93	7305	5.494	ug/l	99
47) Bromodichloromethane	9.65	83	18407	5.401	ug/l	99
48) Methyl methacrylate	9.44	41	6893	4.819	ug/l	98
49) 1,4-Dioxane	9.48	88	1712	85.279	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	37781	24.359	ug/l	97
52) Toluene	10.39	92	35060	5.360	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	17106	4.914	ug/l #	88
54) cis-1,3-Dichloropropene	10.08	75	19462	4.912	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	9839	5.251	ug/l	96
56) Ethyl methacrylate	10.65	69	10199	4.483	ug/l	99
57) 1,3-Dichloropropane	10.94	76	16799	5.199	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	24718	24.236	ug/l	100
59) 2-Hexanone	10.98	43	25207	23.264	ug/l	98
60) Dibromochloromethane	11.13	129	11329	5.085	ug/l	96
61) 1,2-Dibromoethane	11.24	107	9173	5.176	ug/l	99
64) Tetrachloroethene	10.87	164	12957	5.487	ug/l	98
65) Chlorobenzene	11.66	112	39125	5.322	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	13336	5.162	ug/l	99
67) Ethyl Benzene	11.74	91	65838	5.052	ug/l	100
68) m/p-Xylenes	11.85	106	48565	9.803	ug/l	99
69) o-Xylene	12.17	106	22602	4.923	ug/l	99
70) Styrene	12.19	104	36217	4.739	ug/l	99
71) Bromoform	12.35	173	6618	4.942	ug/l #	94
73) Isopropylbenzene	12.48	105	62561	4.920	ug/l	99
74) N-amyl acetate	12.28	43	13148	4.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	11072	5.147	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	14978	9.584	ug/l #	100
77) Bromobenzene	12.76	156	15868	5.359	ug/l	99
78) n-propylbenzene	12.81	91	75444	4.846	ug/l	98
79) 2-Chlorotoluene	12.90	91	44603	5.069	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	51834	4.857	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3089	4.548	ug/l	86
82) 4-Chlorotoluene	13.00	91	49134	5.264	ug/l	99
83) tert-Butylbenzene	13.21	119	44320	4.873	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	53705	4.892	ug/l	99
85) sec-Butylbenzene	13.40	105	66970	4.954	ug/l	100
86) p-Isopropyltoluene	13.51	119	57208	4.798	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	31969	5.255	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	33544	5.547	ug/l	94
89) n-Butylbenzene	13.83	91	56462	4.858	ug/l	99
90) Hexachloroethane	14.10	117	11112	5.151	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	29125	5.466	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2070	5.718	ug/l	84

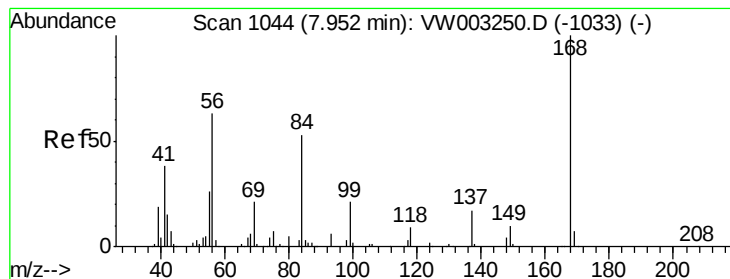
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	19502	5.213	ug/l	97
94) Hexachlorobutadiene	15.25	225	12492	5.551	ug/l	99
95) Naphthalene	15.38	128	29287	4.615	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	17033	5.173	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

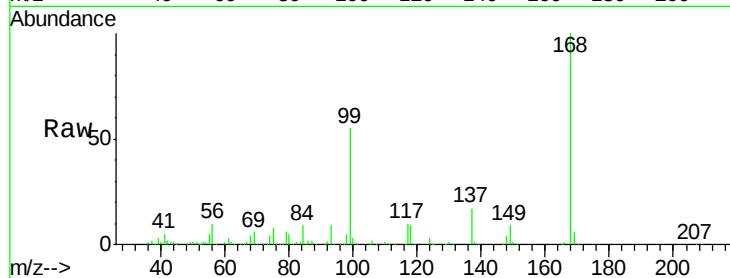
LOQ-SCM-Precision-Bias-1

Tot Ion:168 Resp: 245997

Ion Ratio Lower Upper

168 100

99 55.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

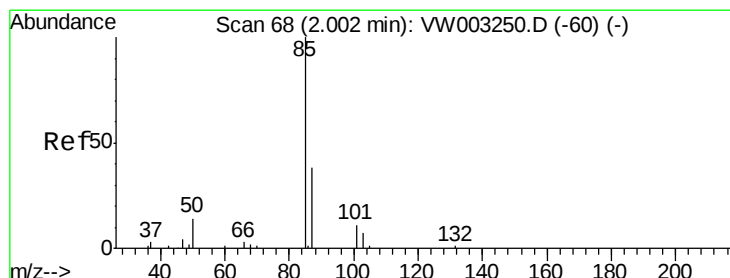
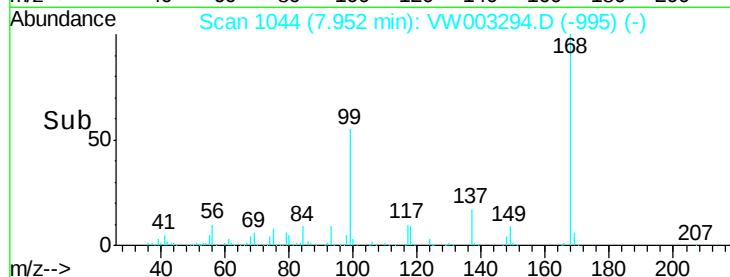
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.818 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003294.D

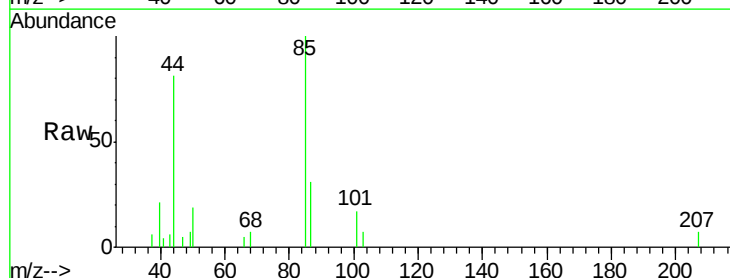
Acq: 15 Jun 2018 16:18

Tgt Ion: 85 Resp: 4327

Ion Ratio Lower Upper

85 100

87 31.1 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

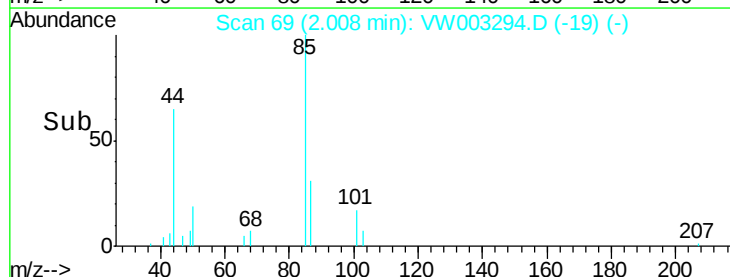
1500

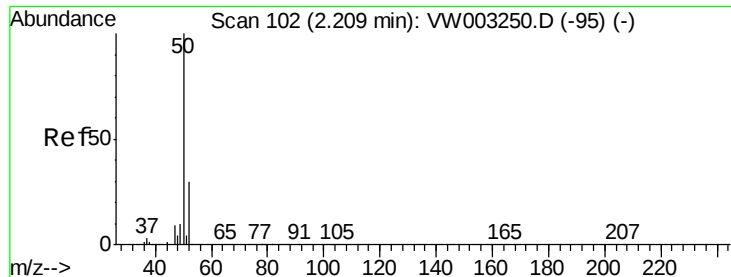
1000

500

0

Time-->





#3

Chloromethane

Concen: 6.489 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

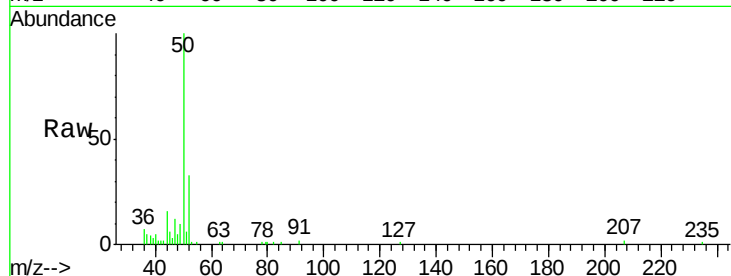
LOQ-SCM-Precision-Bias-1

Tot Ion: 50 Resp: 12194

Ion Ratio Lower Upper

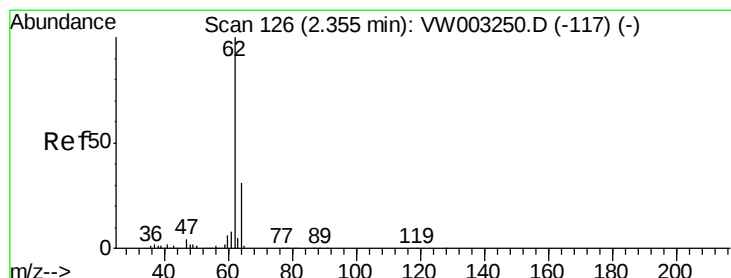
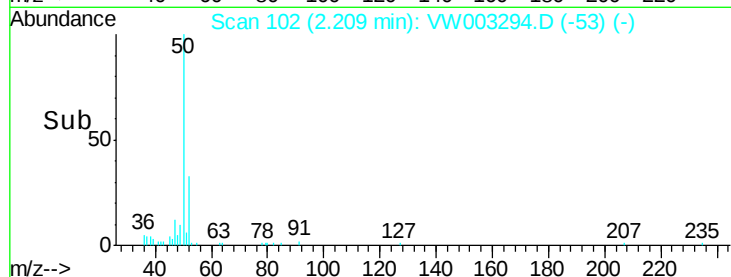
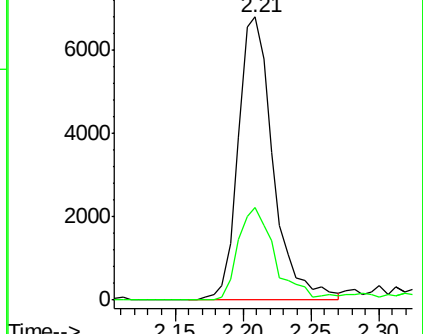
50 100

52 32.8 24.2 36.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 6.280 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003294.D

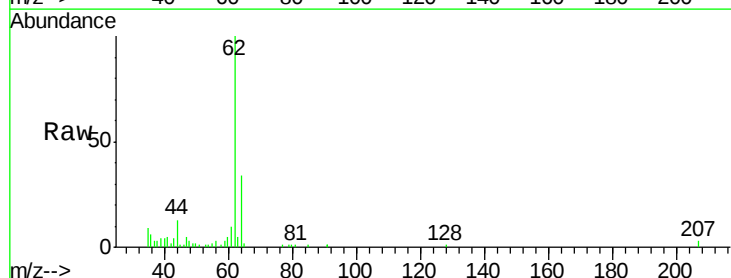
Acq: 15 Jun 2018 16:18

Tgt Ion: 62 Resp: 17202

Ion Ratio Lower Upper

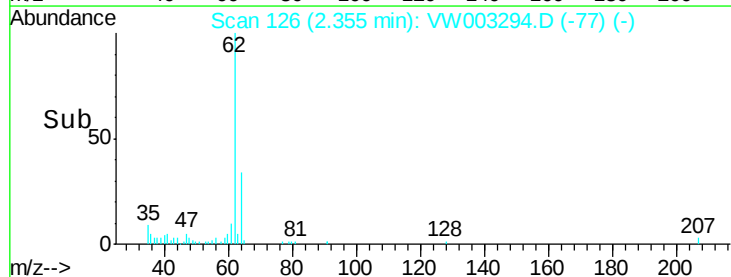
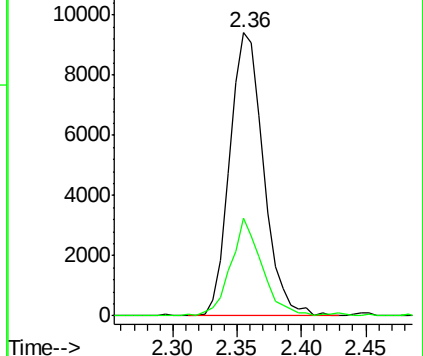
62 100

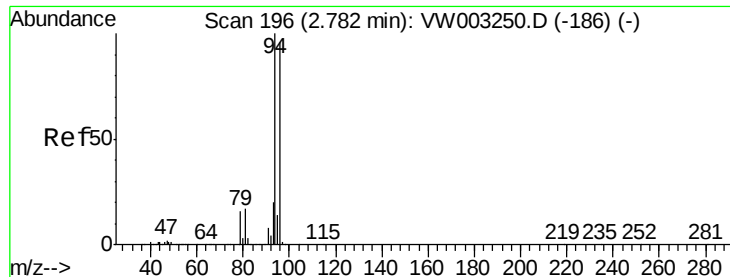
64 33.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 6.056 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

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ClientSampleId :

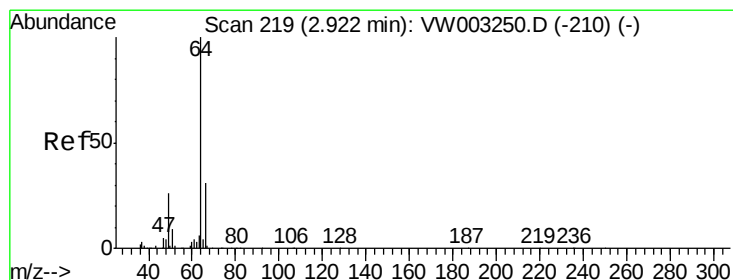
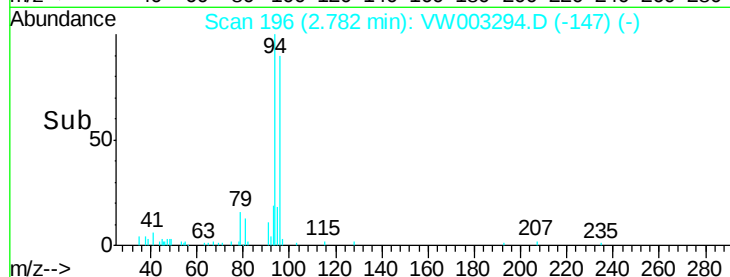
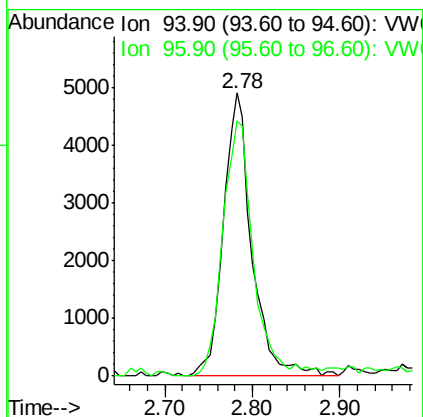
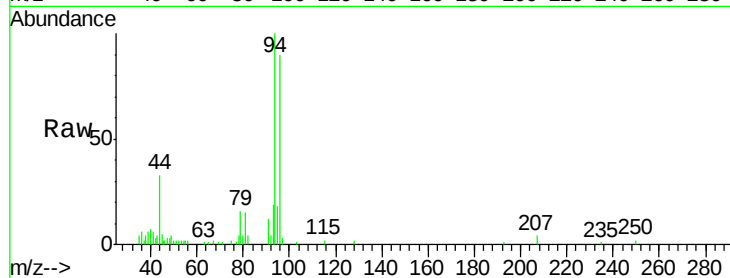
LOQ-SCM-Precision-Bias-1

Tot Ion: 94 Resp: 11026

Ion Ratio Lower Upper

94 100

96 90.3 76.5 114.7



#6

Chloroethane

Concen: 5.729 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003294.D

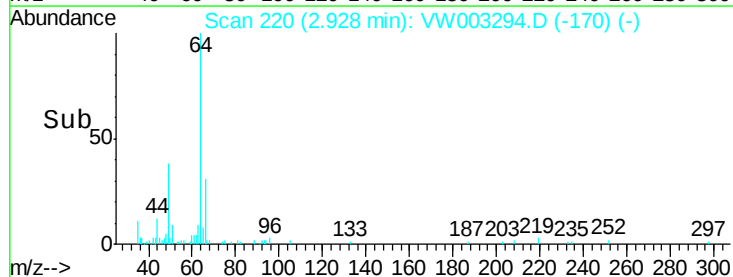
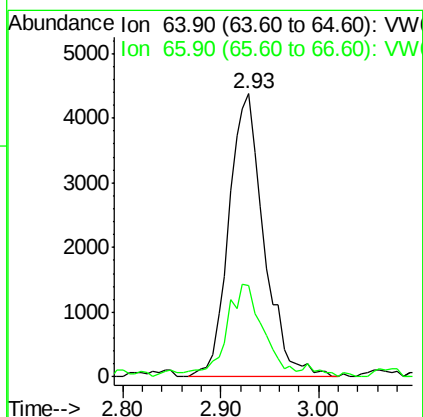
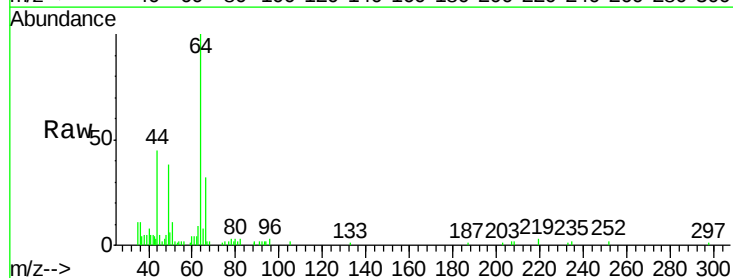
Acq: 15 Jun 2018 16:18

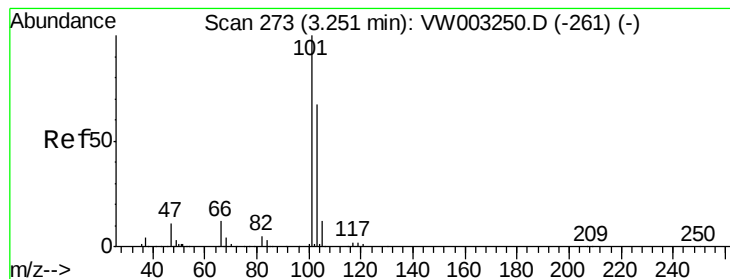
Tgt Ion: 64 Resp: 10923

Ion Ratio Lower Upper

64 100

66 32.1 24.4 36.6





#7

Trichlorofluoromethane

Concen: 5.796 ug/l

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

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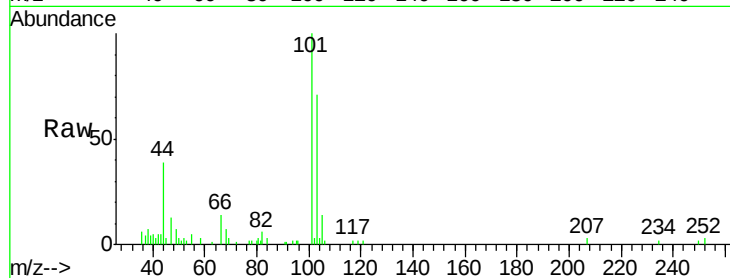
LOQ-SCM-Precision-Bias-1

Tot Ion:101 Resp: 9511

Ion Ratio Lower Upper

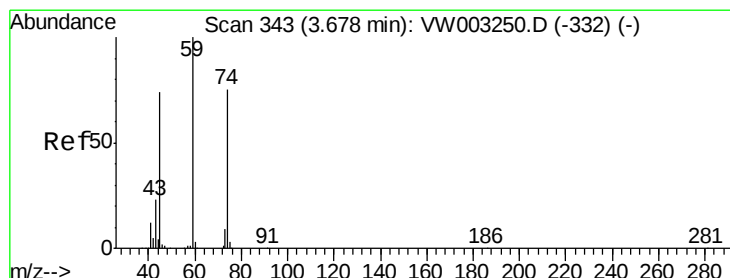
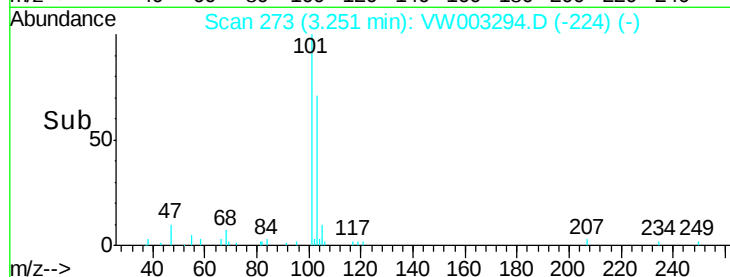
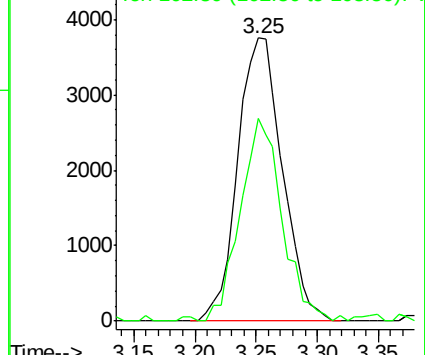
101 100

103 69.8 53.4 80.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.647 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.00 min

Lab File: VW003294.D

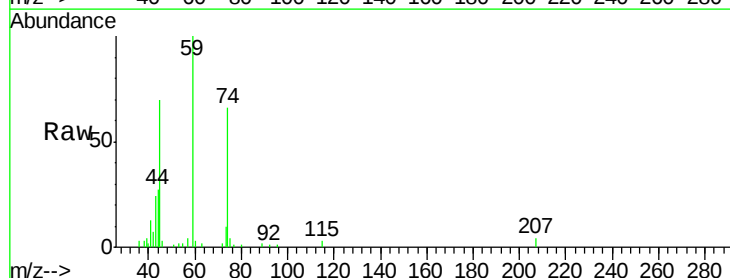
Acq: 15 Jun 2018 16:18

Tgt Ion: 74 Resp: 6808

Ion Ratio Lower Upper

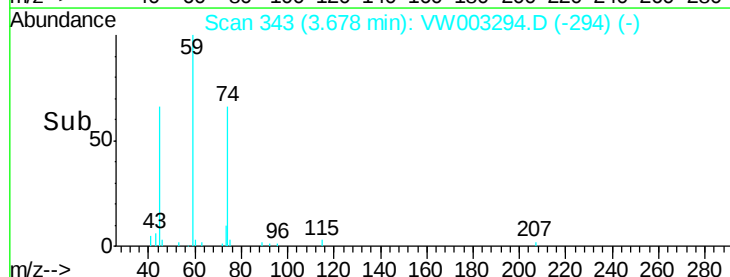
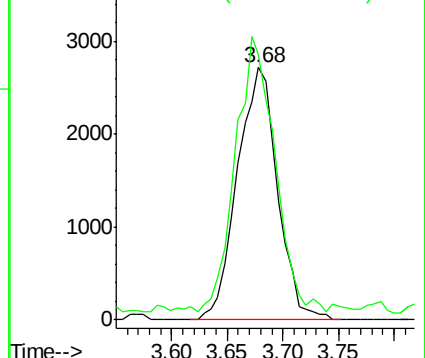
74 100

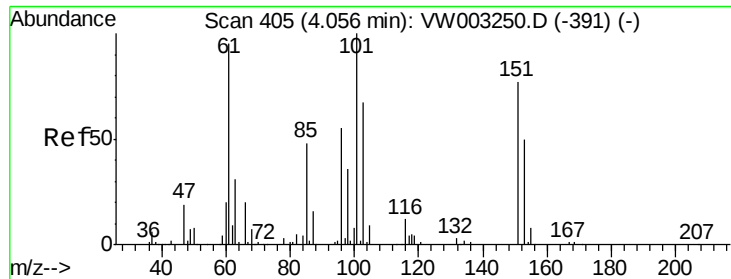
45 108.7 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.987 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

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ClientSampleId :

LOQ-SCM-Precision-Bias-1

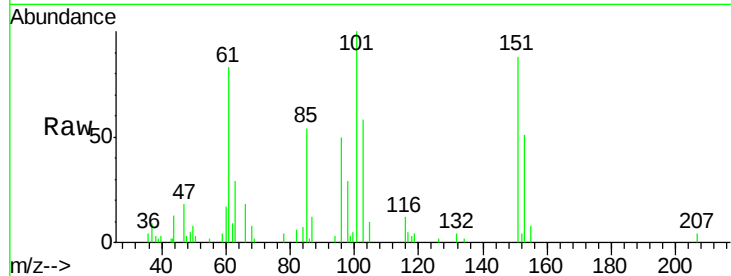
Tot Ion:101 Resp: 13642

Ion Ratio Lower Upper

101 100

85 46.2 37.0 55.6

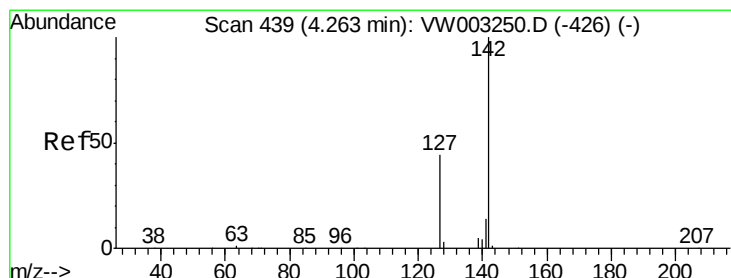
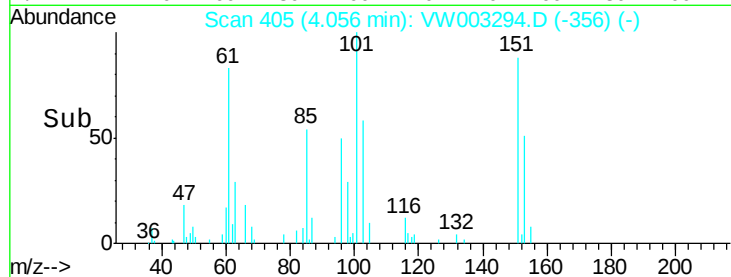
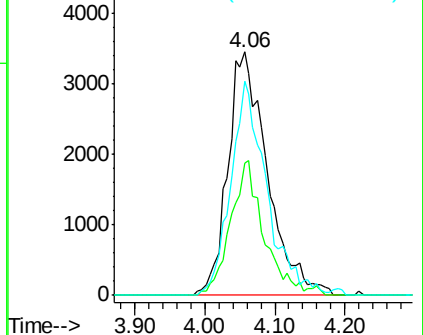
151 79.5 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.697 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

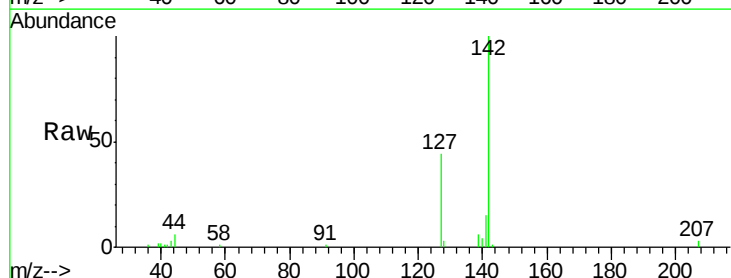
Tgt Ion:142 Resp: 19635

Ion Ratio Lower Upper

142 100

127 46.0 36.5 54.7

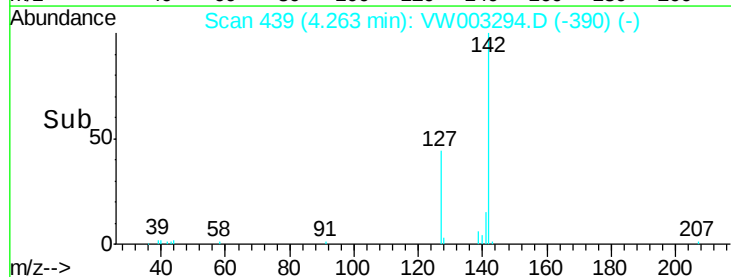
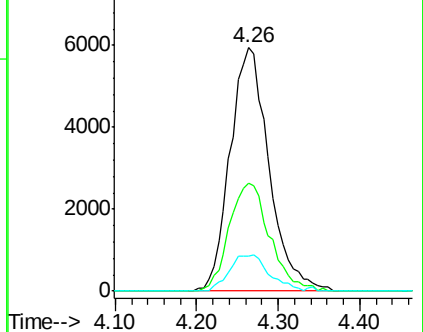
141 15.1 12.1 18.1

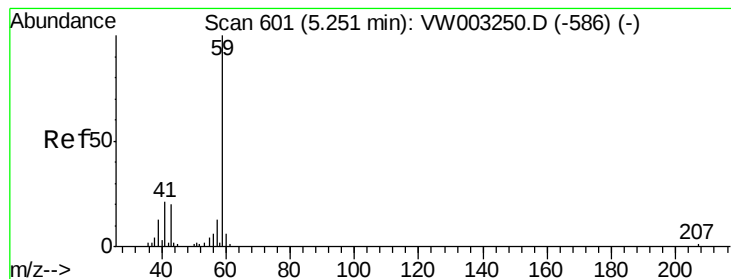


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



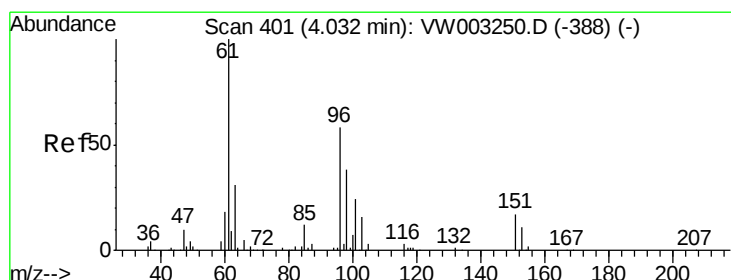
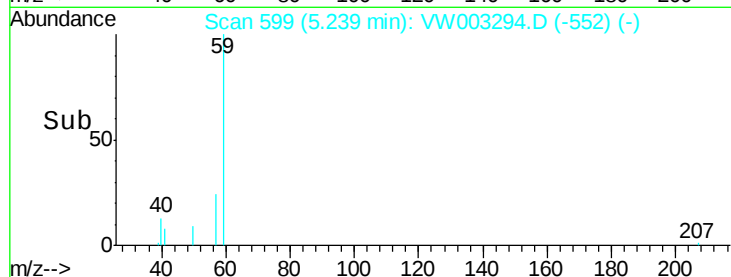
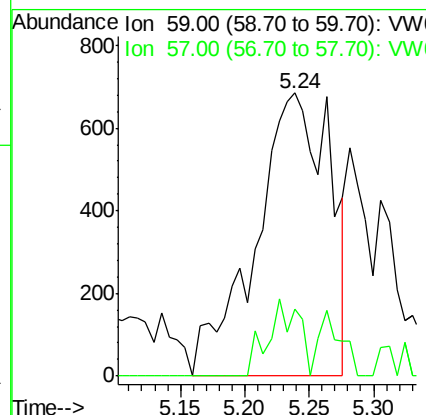
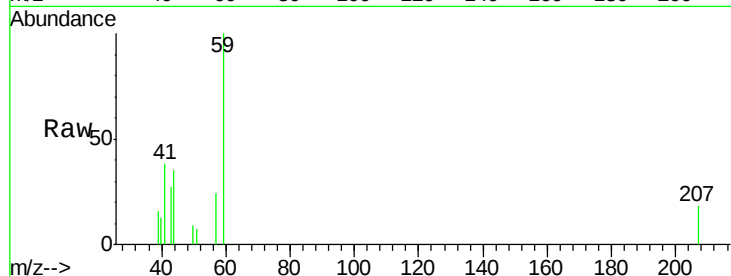


#11

Tert butvl alcohol
Concen: 19.160 ug/l
RT: 5.24 min Scan# 599
Delta R.T. -0.01 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

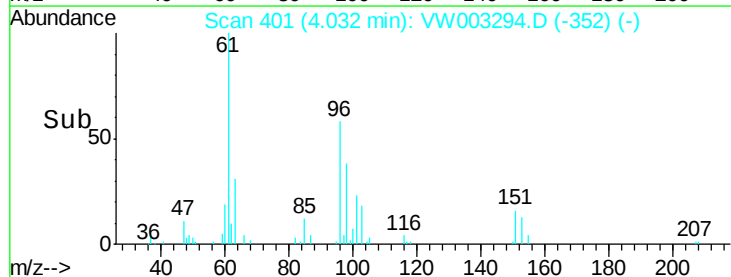
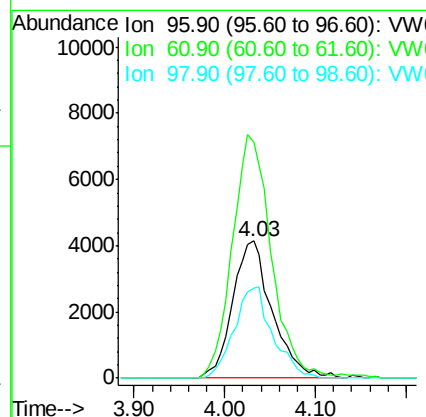
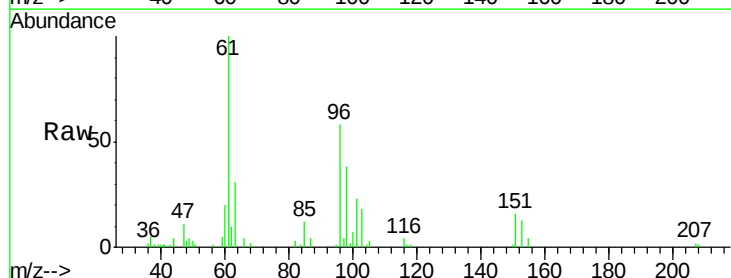
Tot Ion: 59 Resp: 2738
Ion Ratio Lower Upper
59 100
57 11.3 4.2 6.2#

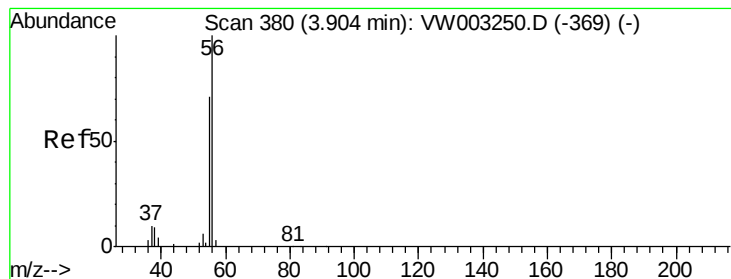


#12

1,1-Dichloroethene
Concen: 5.640 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 96 Resp: 12560
Ion Ratio Lower Upper
96 100
61 172.5 139.0 208.4
98 65.5 53.3 79.9





#13

Acrolein

Concen: 27.463 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

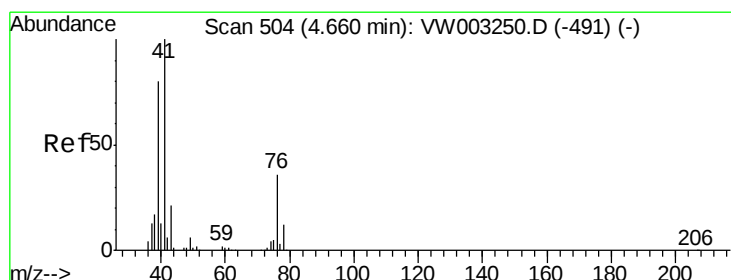
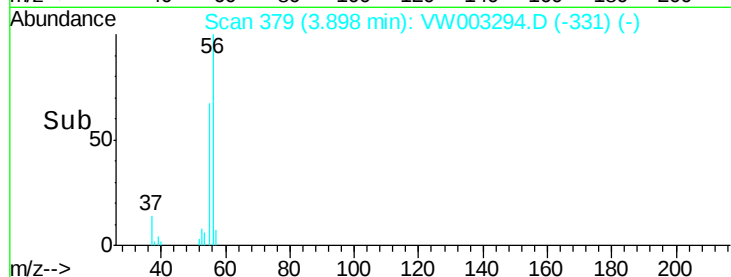
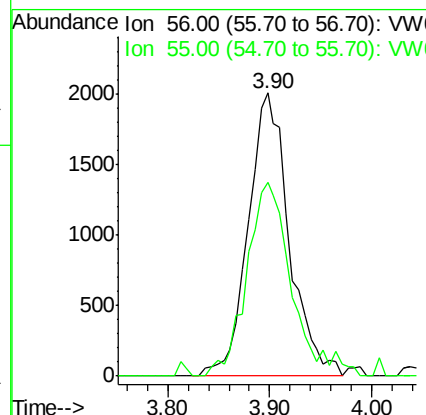
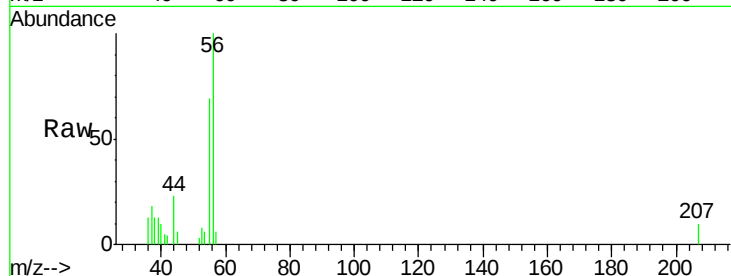
LOQ-SCM-Precision-Bias-1

Tot Ion: 56 Resp: 5611

Ion Ratio Lower Upper

56 100

55 70.4 55.4 83.2



#14

Allyl chloride

Concen: 5.462 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

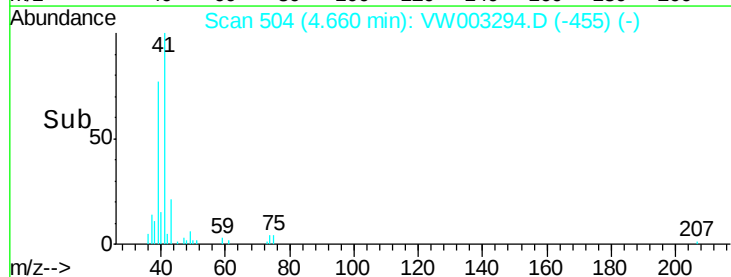
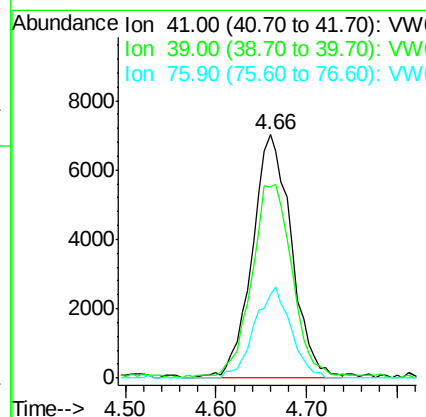
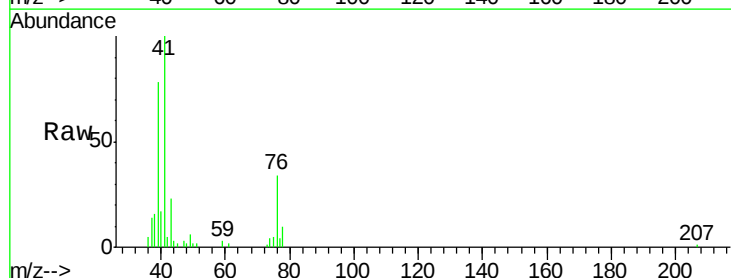
Tgt Ion: 41 Resp: 21070

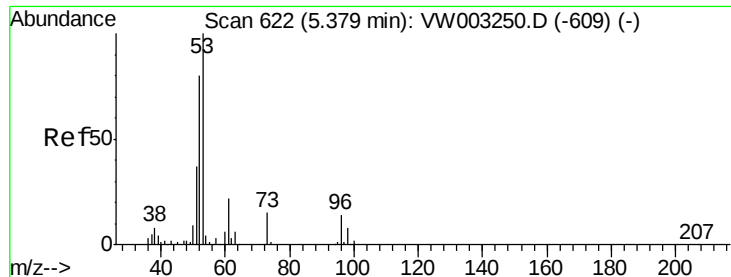
Ion Ratio Lower Upper

41 100

39 83.4 63.2 94.8

76 34.5 28.0 42.0





#15

Acrylonitrile

Concen: 26.658 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.01 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

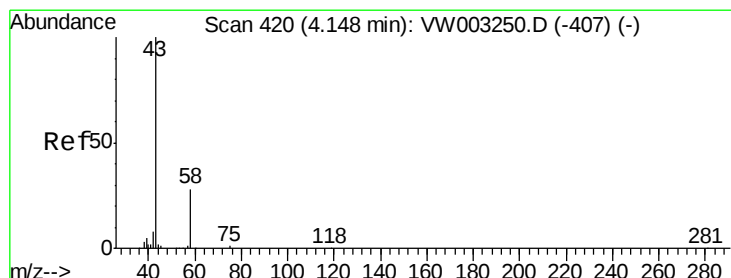
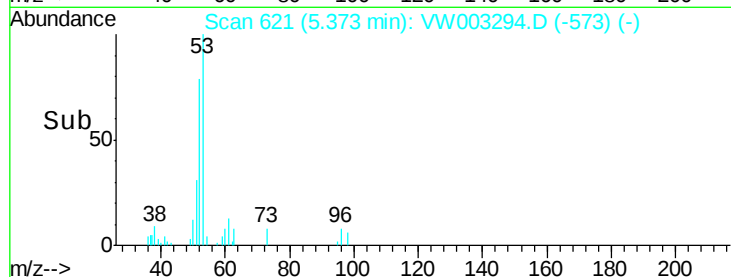
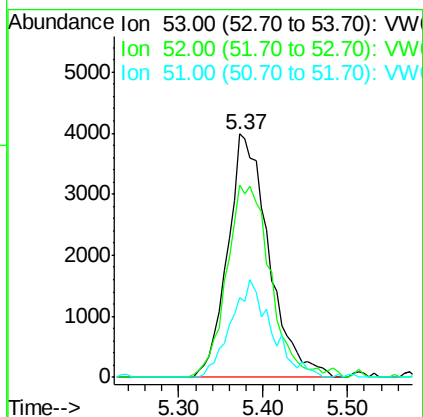
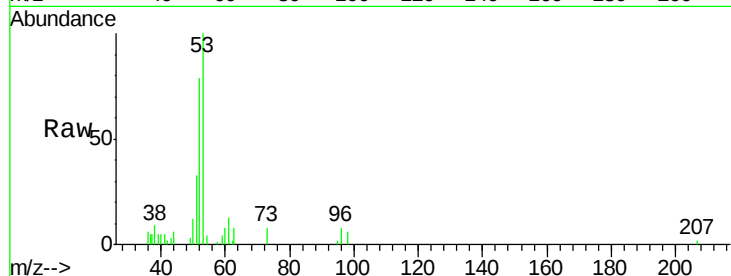
Tot Ion: 53 Resp: 13222

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

51 39.4 30.6 46.0



#16

Acetone

Concen: 28.765 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003294.D

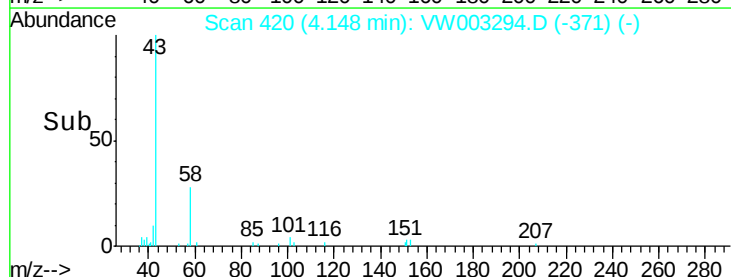
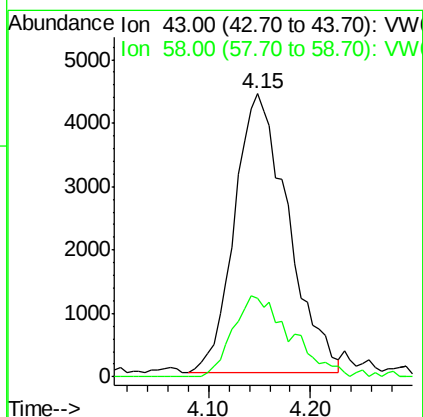
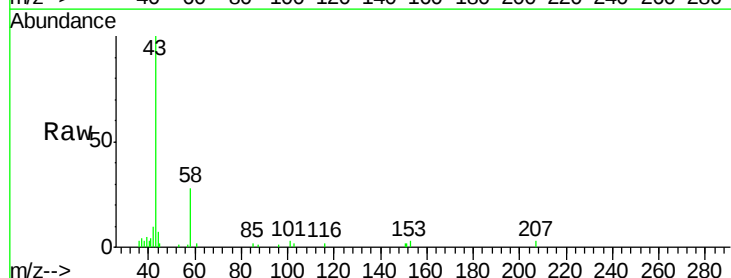
Acq: 15 Jun 2018 16:18

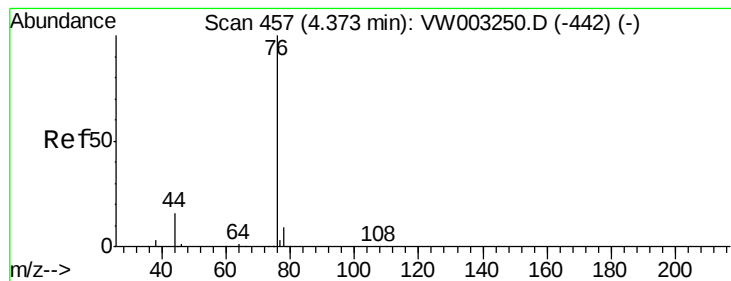
Tgt Ion: 43 Resp: 16075

Ion Ratio Lower Upper

43 100

58 28.1 22.6 34.0





#17

Carbon Disulfide

Concen: 6.064 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

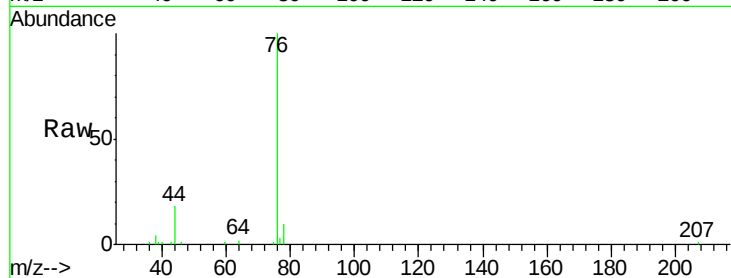
LOQ-SCM-Precision-Bias-1

Tot Ion: 76 Resp: 39921

Ion Ratio Lower Upper

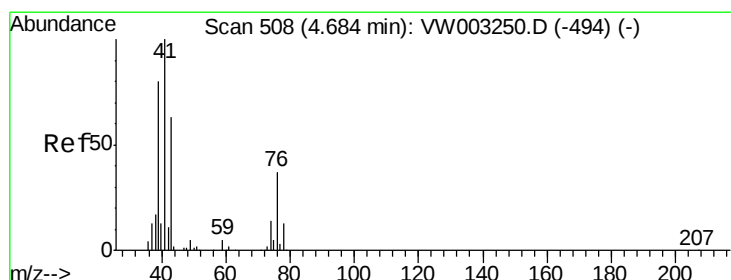
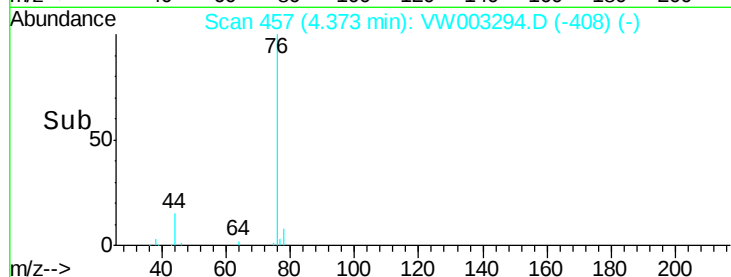
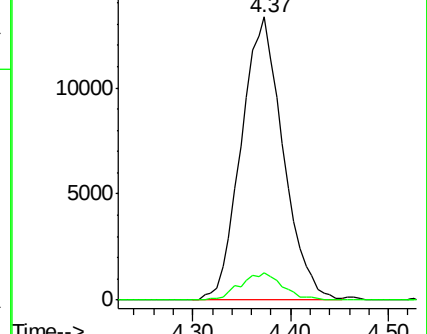
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 7.262 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.00 min

Lab File: VW003294.D

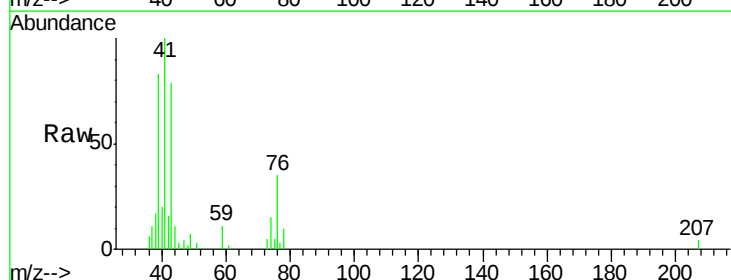
Acq: 15 Jun 2018 16:18

Tgt Ion: 43 Resp: 9627

Ion Ratio Lower Upper

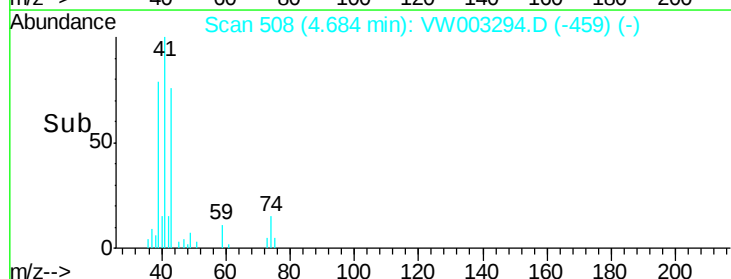
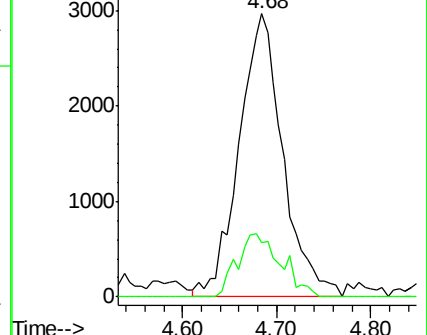
43 100

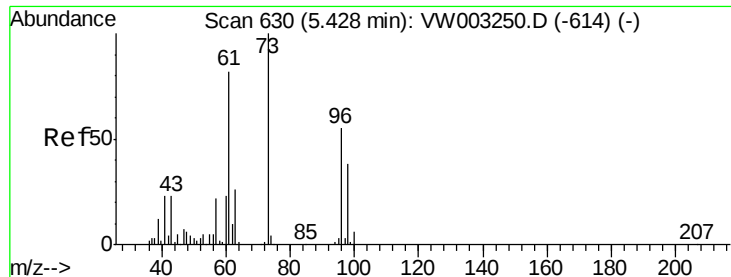
74 22.2 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

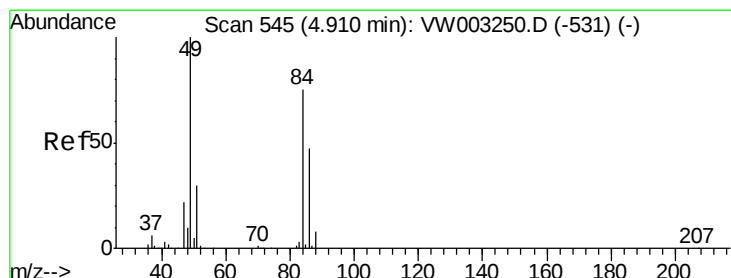
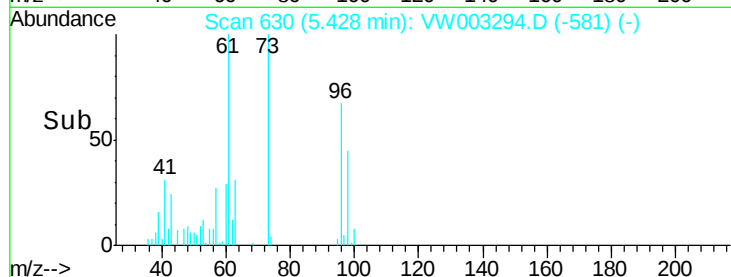
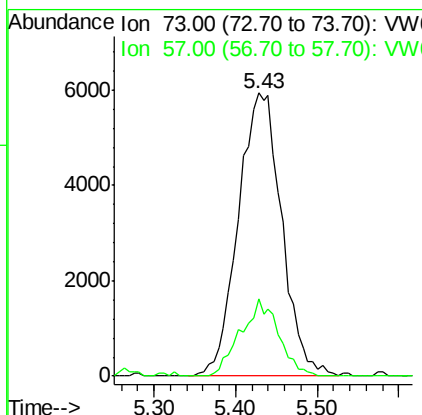
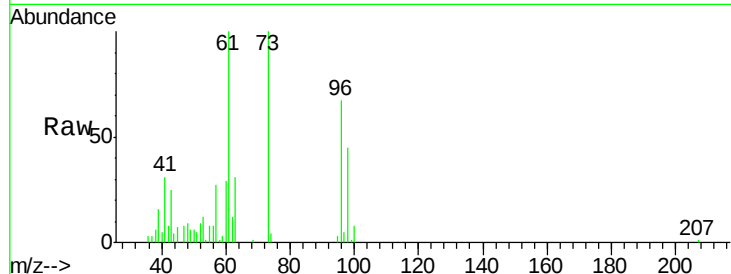




#19
Methyl tert-butyl Ether
Concen: 5.265 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

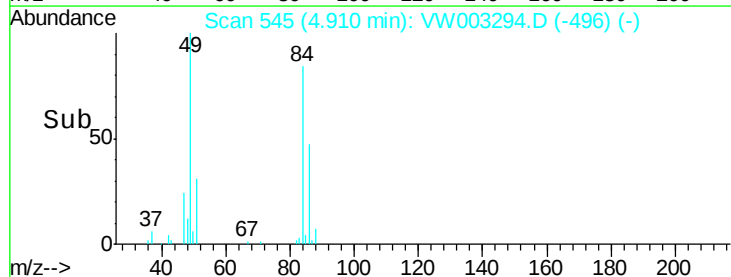
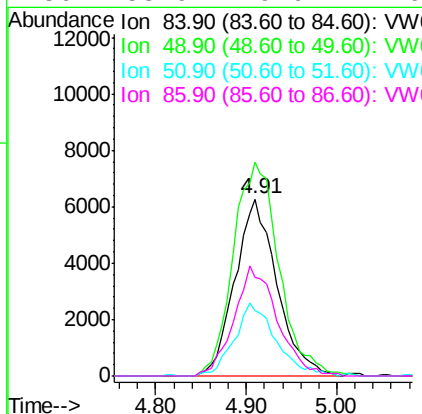
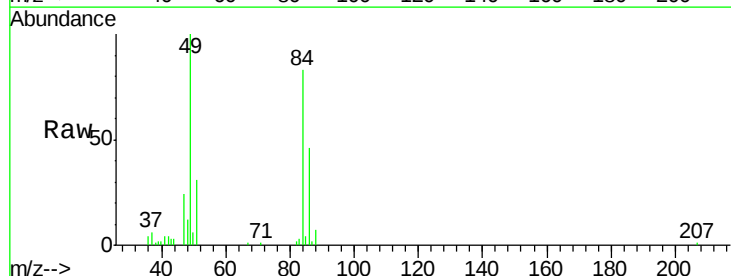
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

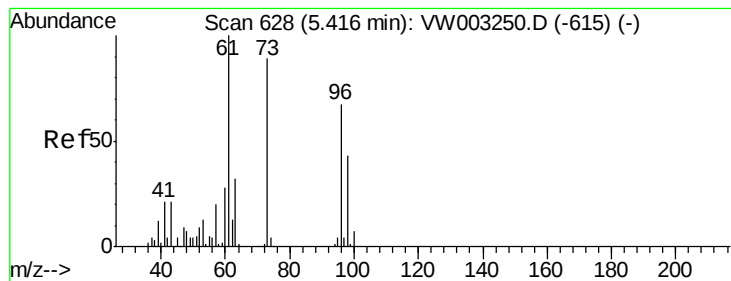
Tot Ion: 73 Resp: 21961
Ion Ratio Lower Upper
73 100
57 27.5 18.0 27.0#



#20
Methylene Chloride
Concen: 5.203 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 84 Resp: 20158
Ion Ratio Lower Upper
84 100
49 120.6 106.3 159.5
51 36.8 32.0 48.0
86 55.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 5.610 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

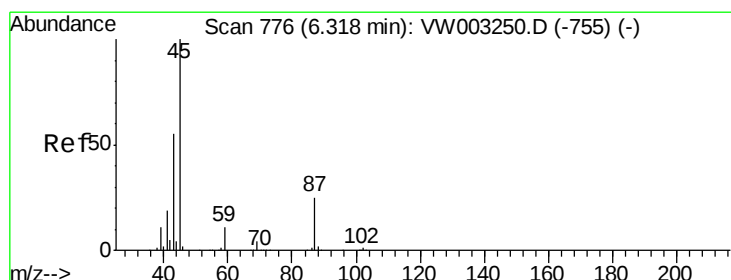
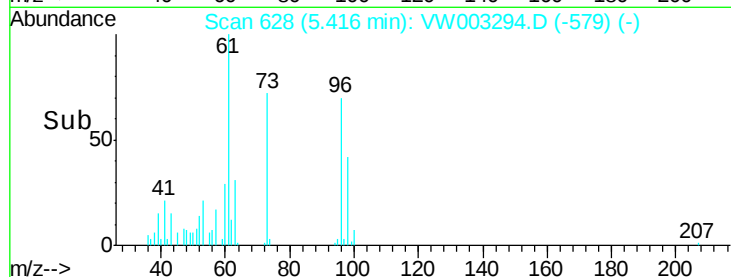
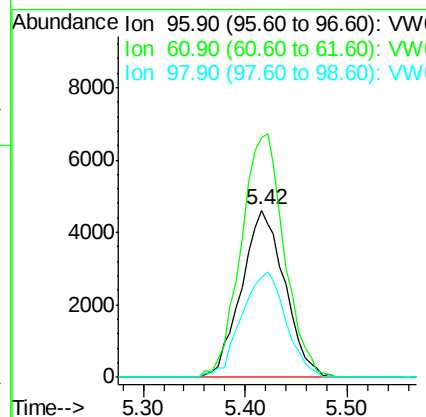
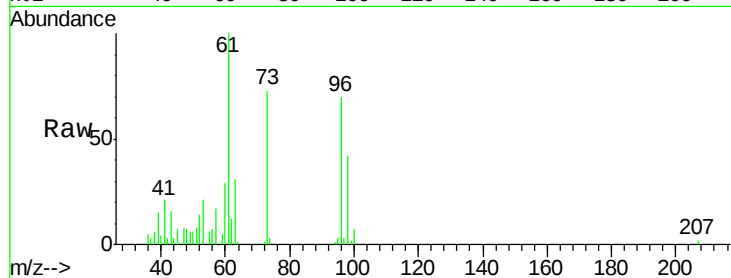
Tot Ion: 96 Resp: 13596

Ion Ratio Lower Upper

96 100

61 143.6 118.7 178.1

98 59.9 51.0 76.6



#22

Diisopropyl ether

Concen: 4.845 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Tgt Ion: 45 Resp: 37611

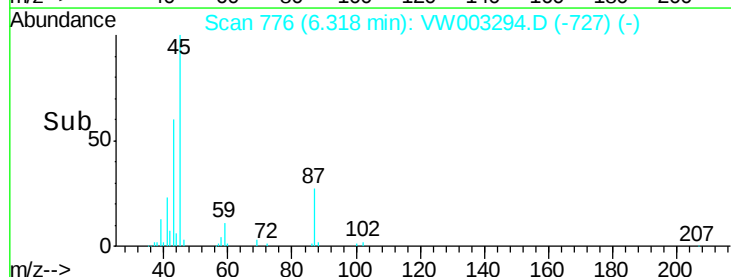
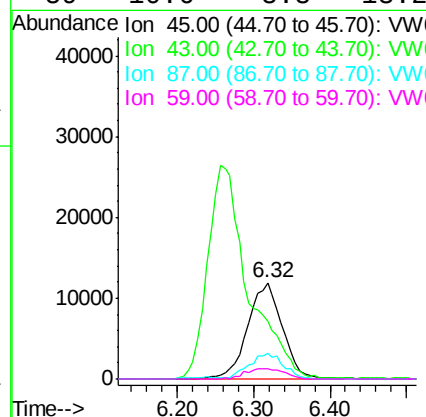
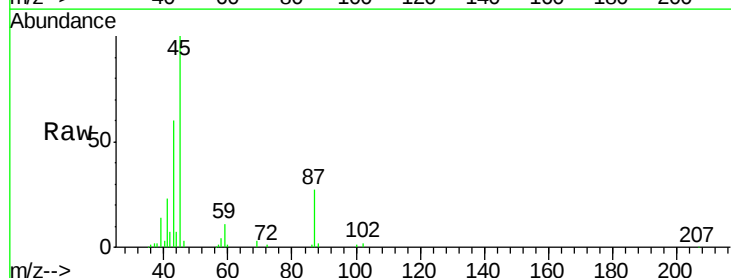
Ion Ratio Lower Upper

45 100

43 58.7 44.0 66.0

87 26.7 20.6 31.0

59 10.6 8.8 13.2





#23

Vinyl Acetate

Concen: 21.799 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

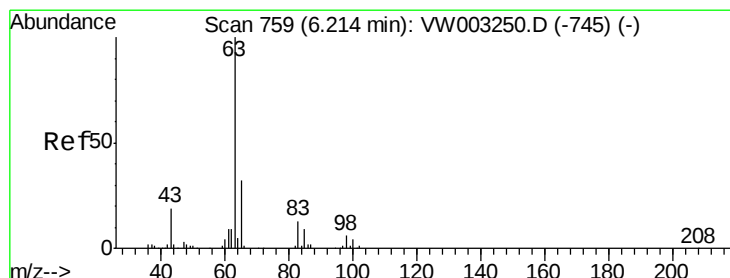
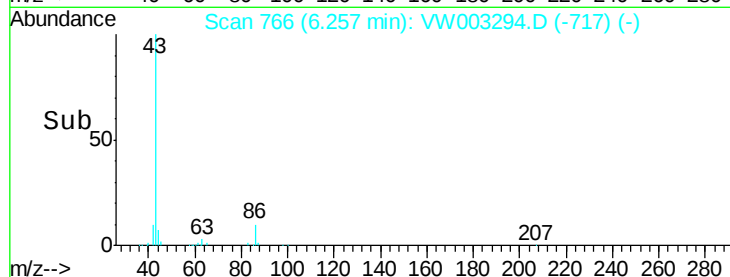
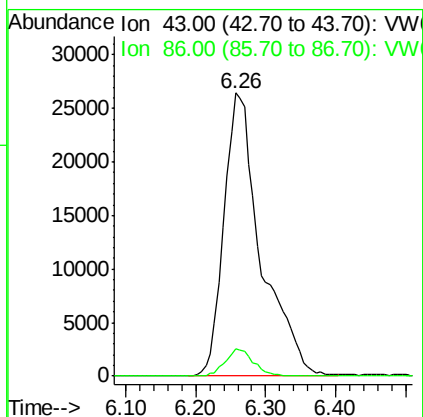
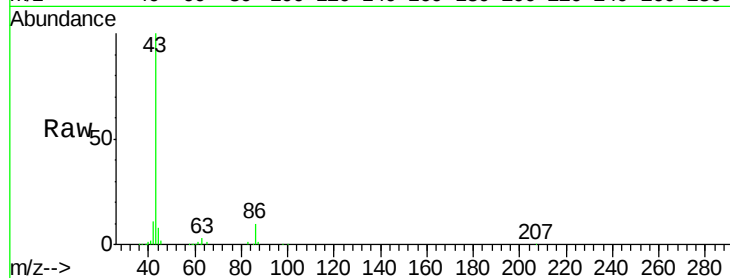
LOQ-SCM-Precision-Bias-1

Tot Ion: 43 Resp: 97522

Ion Ratio Lower Upper

43 100

86 9.9 7.5 11.3



#24

1,1-Dichloroethane

Concen: 5.491 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

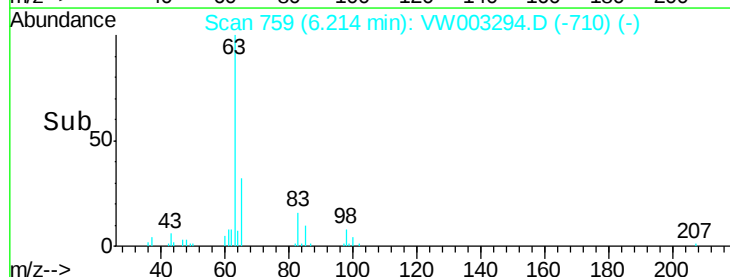
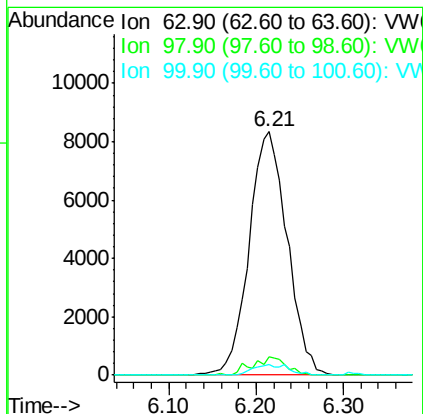
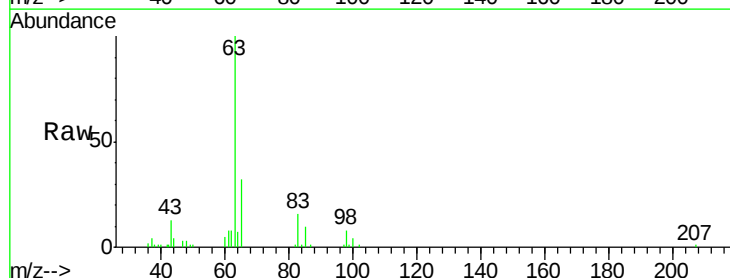
Tgt Ion: 63 Resp: 25307

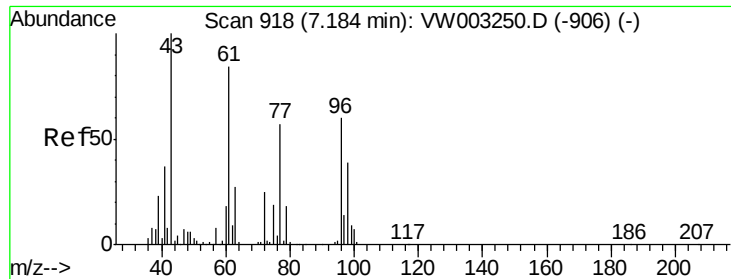
Ion Ratio Lower Upper

63 100

98 7.6 2.8 8.3

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 26.951 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

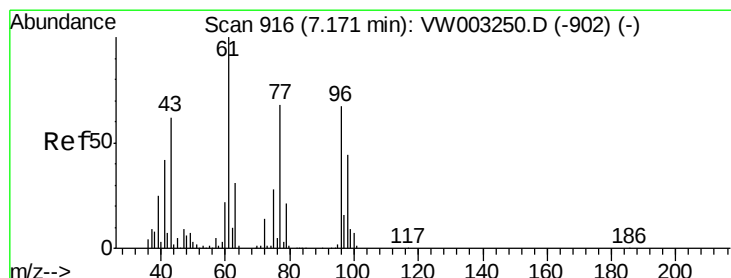
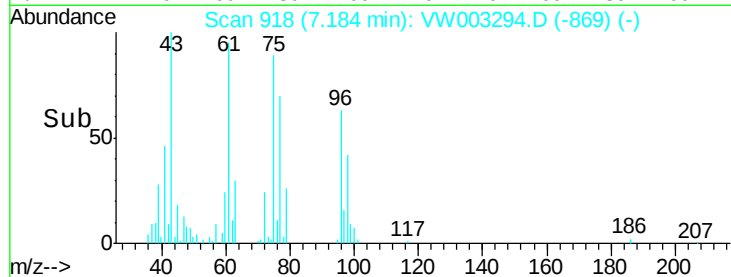
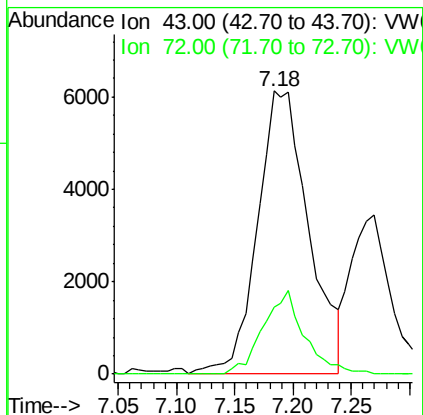
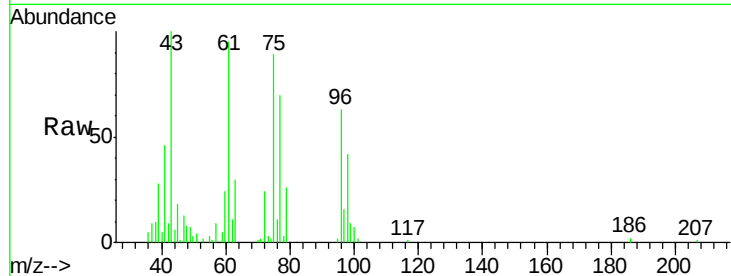
LOQ-SCM-Precision-Bias-1

Tot Ion: 43 Resp: 18728

Ion Ratio Lower Upper

43 100

72 23.6 20.3 30.5



#26

2,2-Dichloropropane

Concen: 5.575 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003294.D

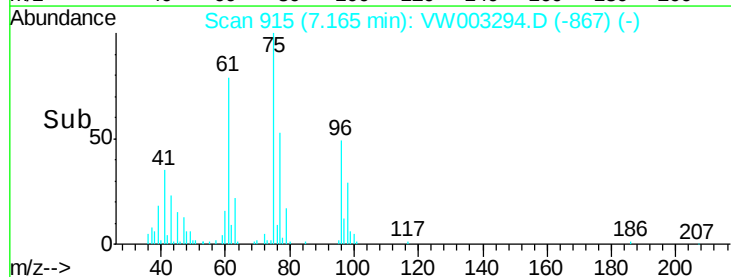
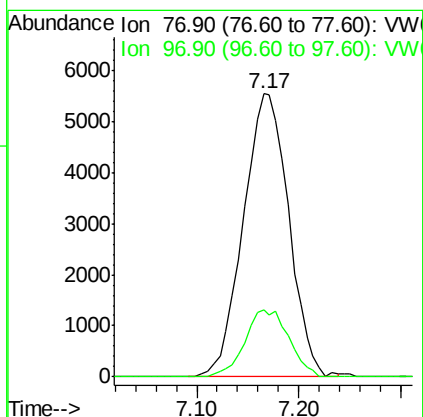
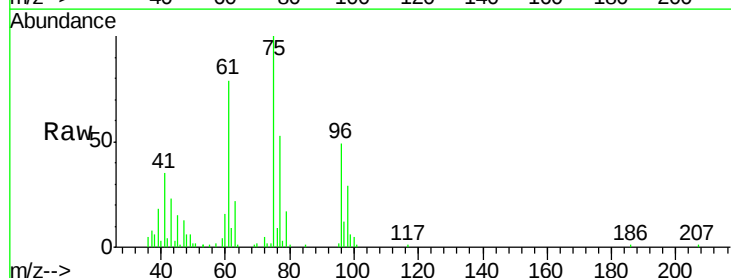
Acq: 15 Jun 2018 16:18

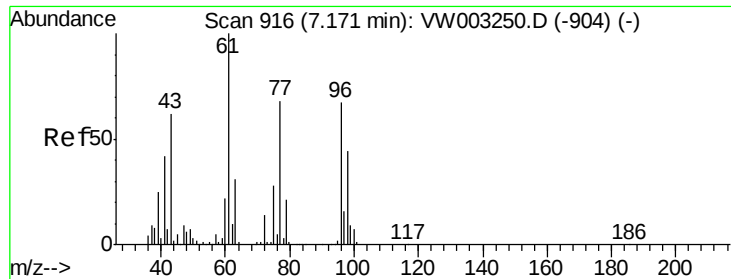
Tgt Ion: 77 Resp: 17146

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.9



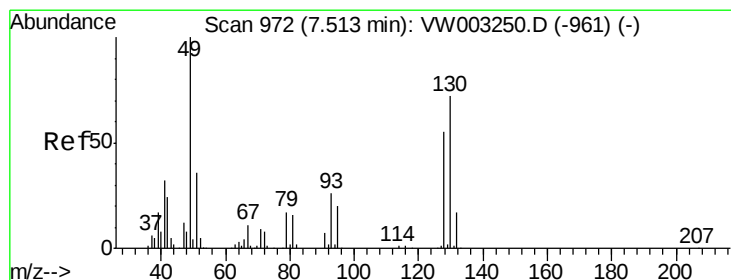
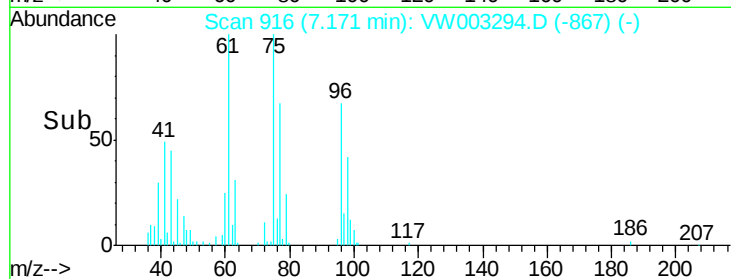
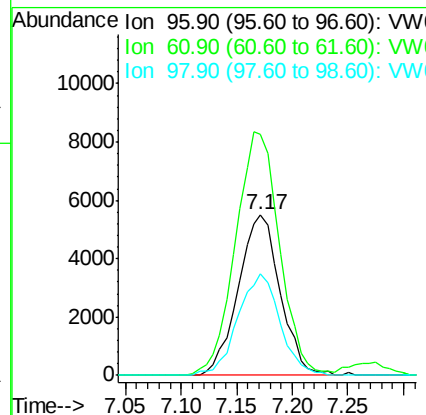
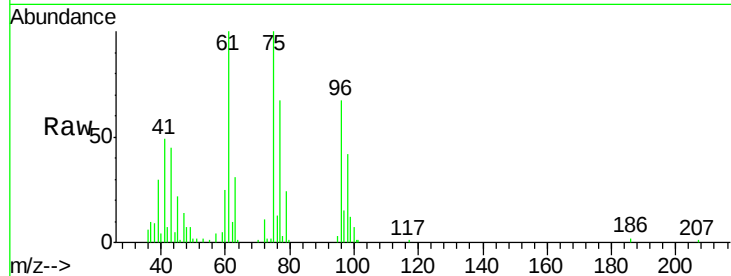


#27

cis-1,2-Dichloroethene
Concen: 5.378 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

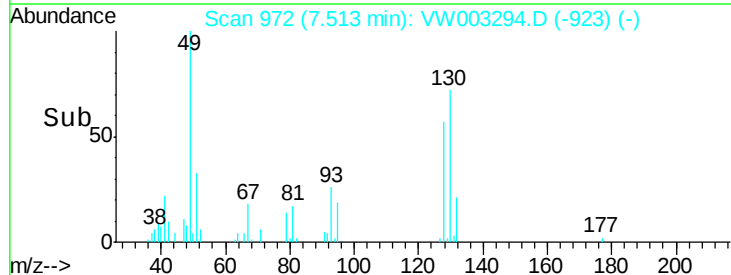
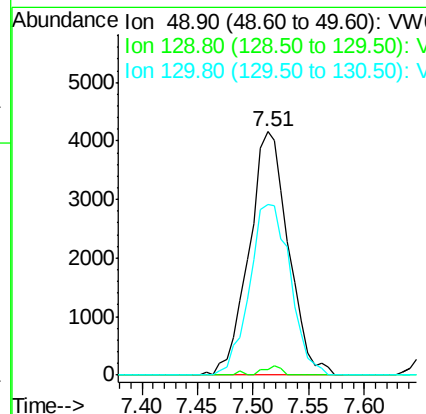
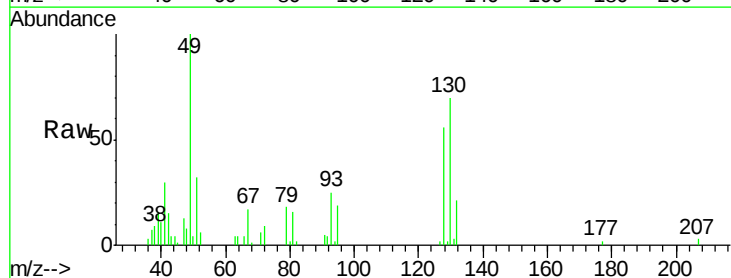
Tot Ion: 96 Resp: 14319
Ion Ratio Lower Upper
96 100
61 159.8 0.0 298.8
98 63.6 0.0 130.4

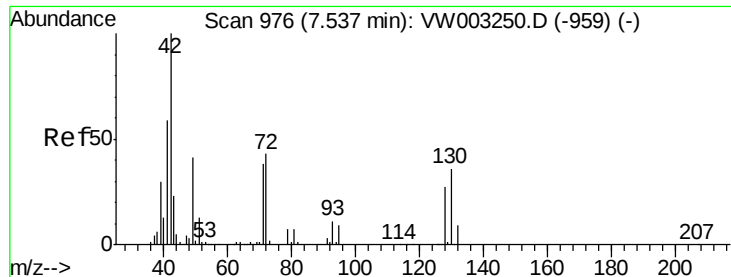


#28

Bromochloromethane
Concen: 5.311 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 49 Resp: 10185
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.6
130 72.7 59.4 89.2

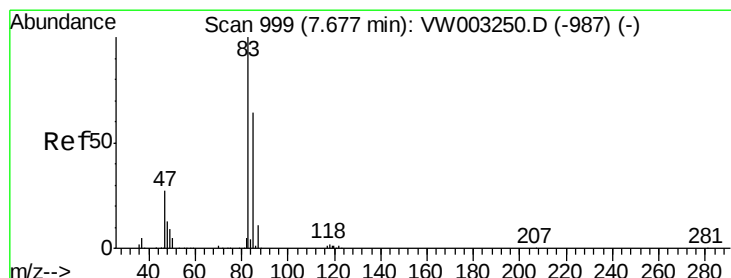
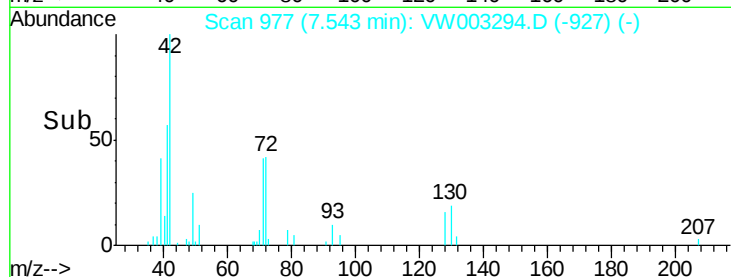
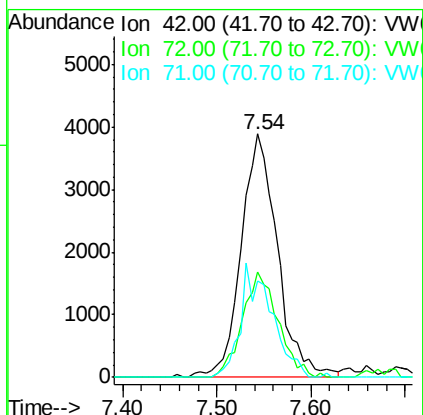
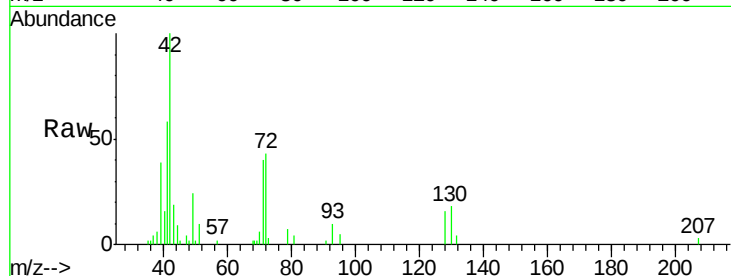




#29
Tetrahydrofuran
Concen: 24.735 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

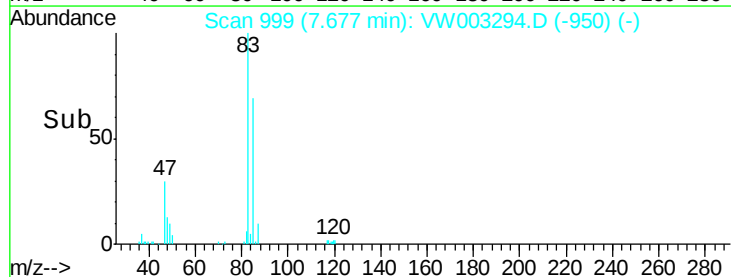
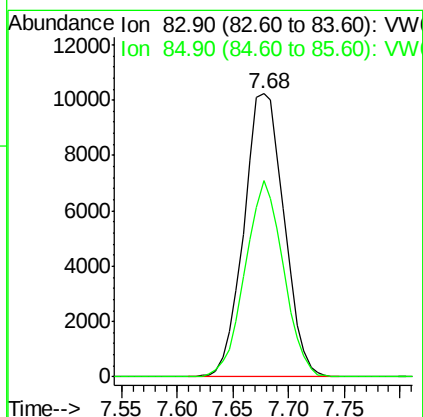
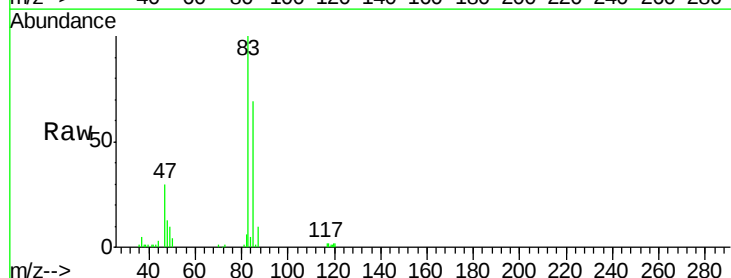
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

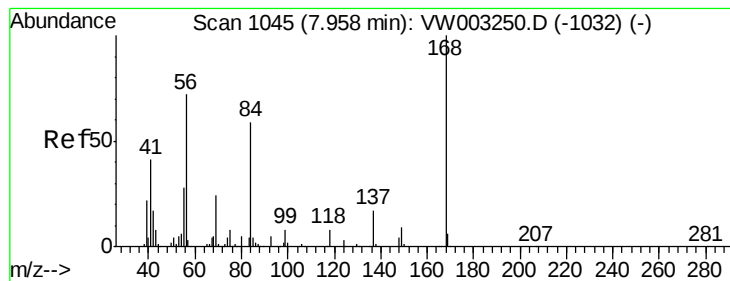
Tot Ion: 42 Resp: 10505
Ion Ratio Lower Upper
42 100
72 42.5 32.4 48.6
71 40.0 31.2 46.8



#30
Chloroform
Concen: 5.482 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 83 Resp: 25741
Ion Ratio Lower Upper
83 100
85 69.3 51.3 76.9





#31

Cyclohexane

Concen: 6.392 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

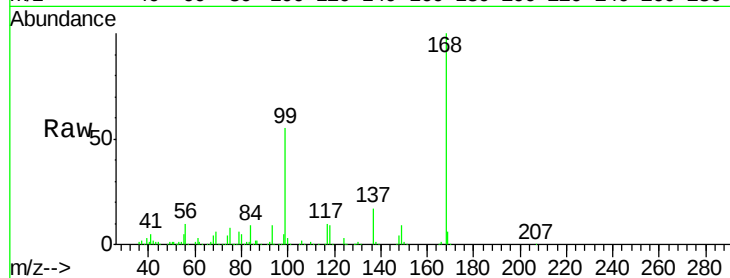
Tot Ion: 56 Resp: 27520

Ion Ratio Lower Upper

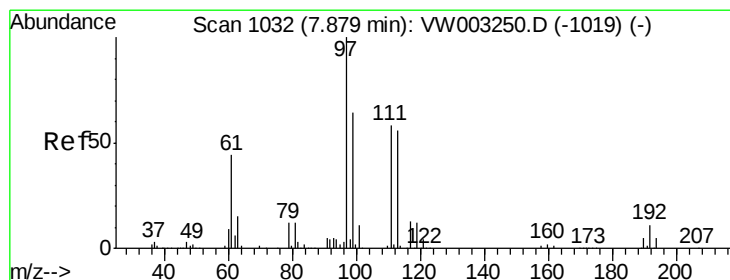
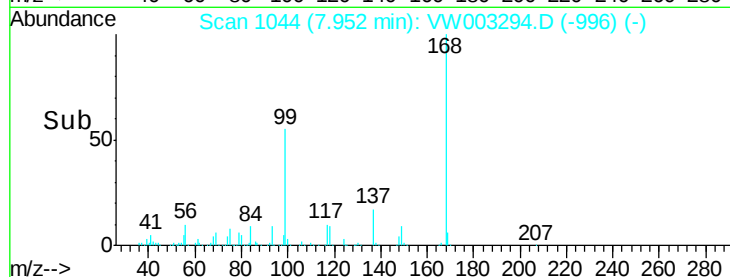
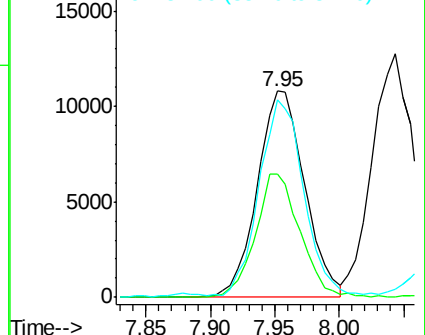
56 100

69 60.0 26.3 39.5#

84 94.1 65.7 98.5



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: 5.583 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

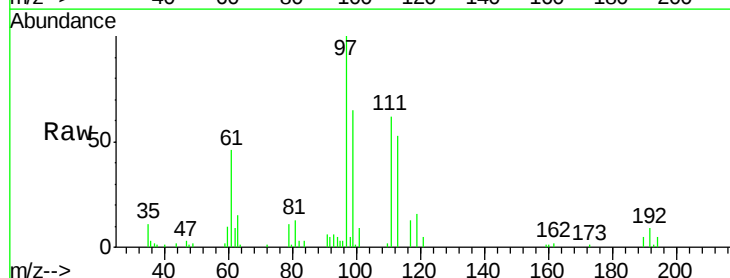
Tgt Ion: 97 Resp: 21639

Ion Ratio Lower Upper

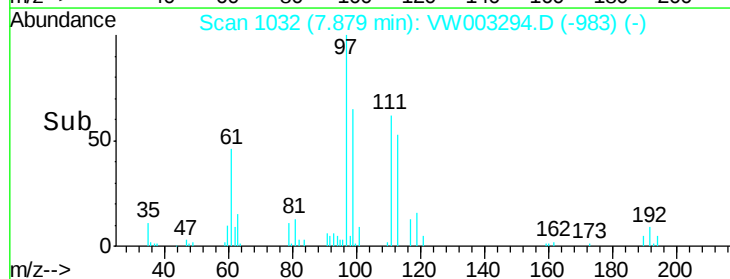
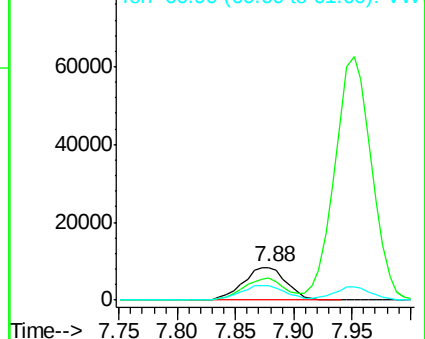
97 100

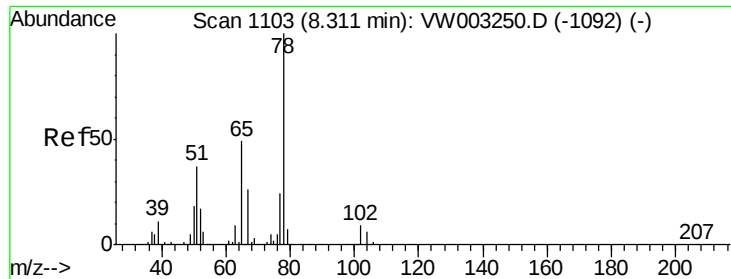
99 62.8 51.7 77.5

61 45.9 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

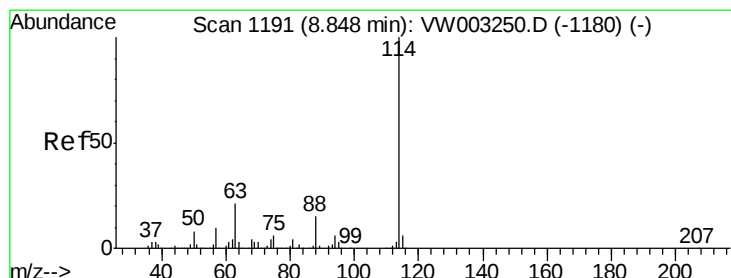
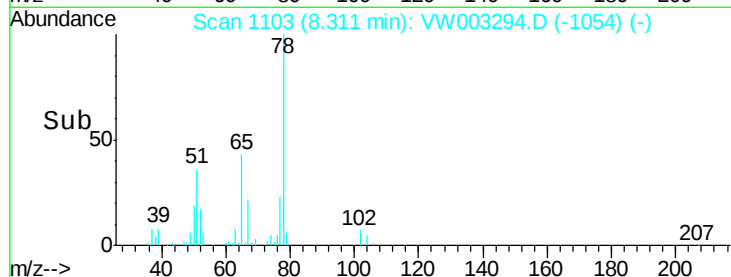
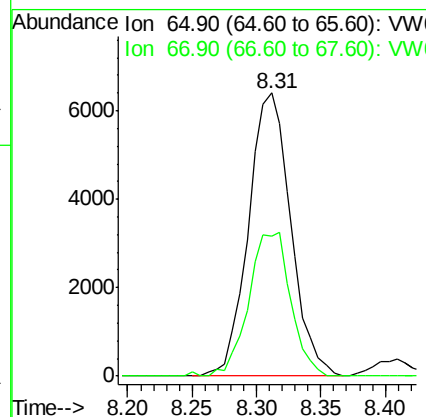
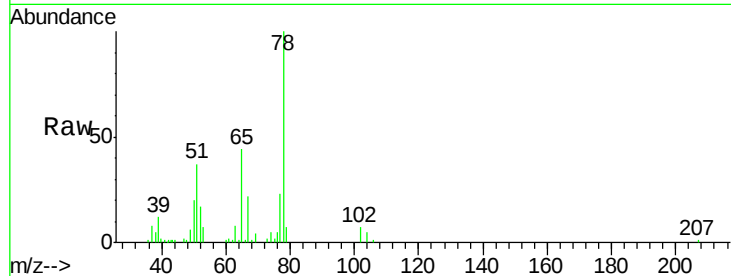




#33
 1,2-Dichloroethane-d4
 Concen: 5.432 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

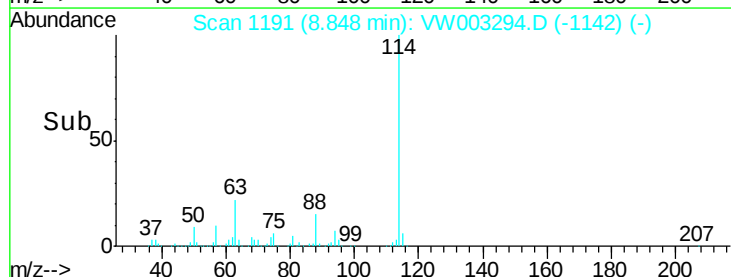
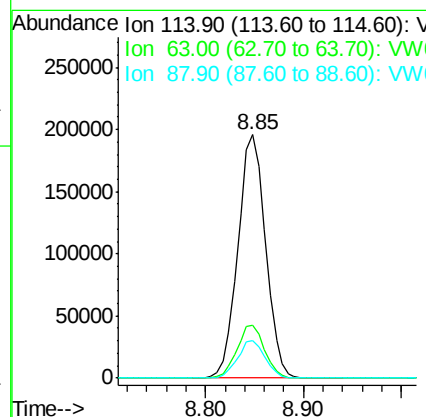
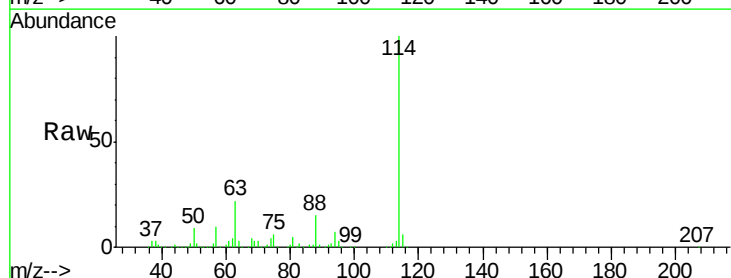
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

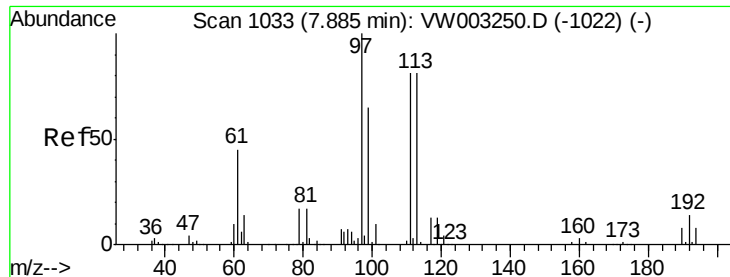
Tot Ion: 65 Resp: 14474
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Tgt Ion: 114 Resp: 383157
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.0
 88 15.4 0.0 29.6

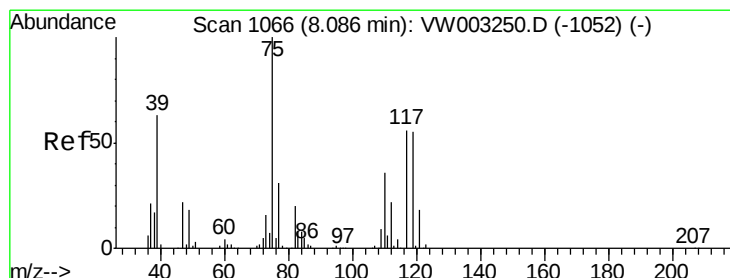
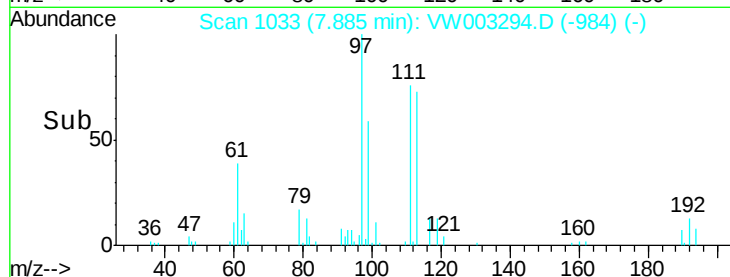
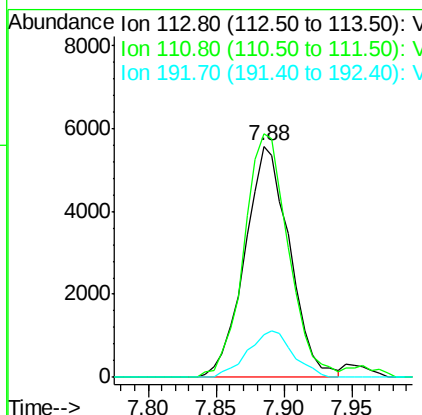
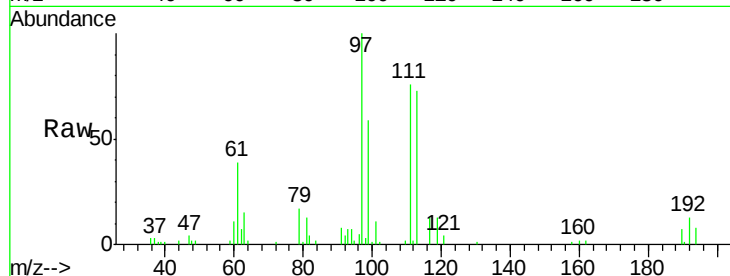




#35
 Dibromofluoromethane
 Concen: 5.393 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

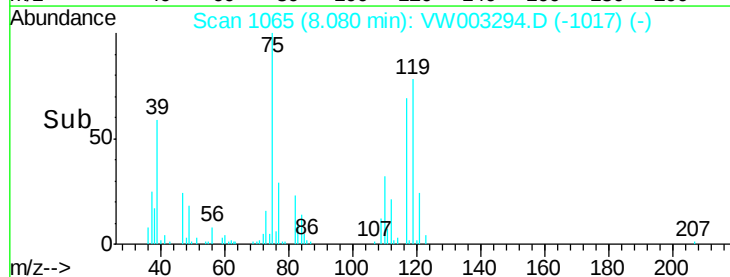
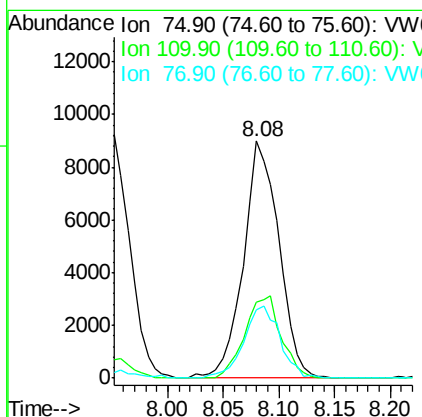
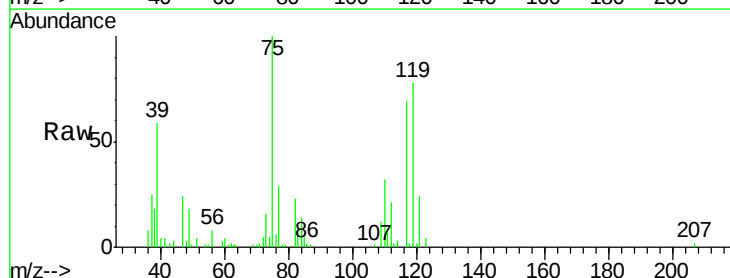
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

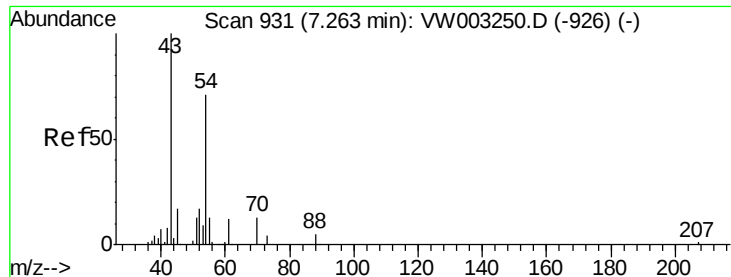
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.2	123.2
192	20.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.404 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.1	51.3
77	31.3	24.9	37.3

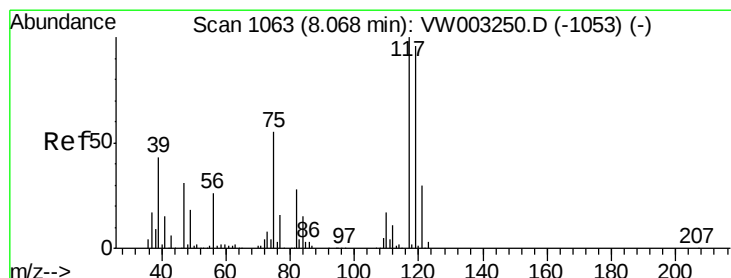
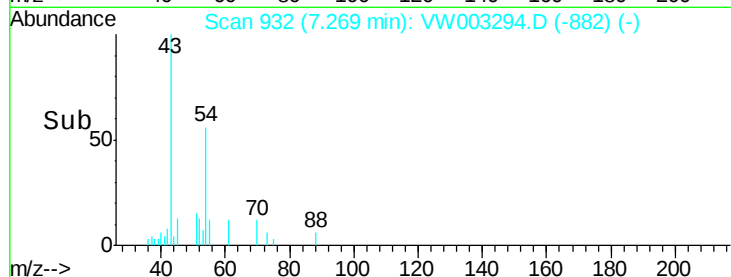
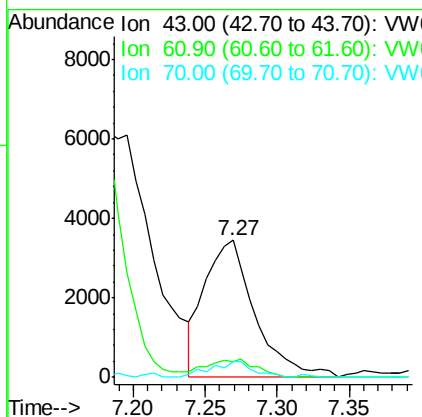
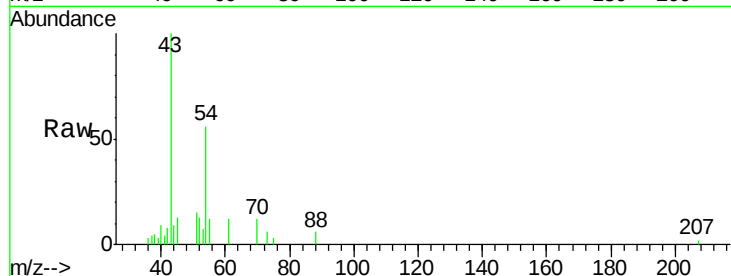




#37
Ethyl Acetate
Concen: 5.484 ug/l
RT: 7.27 min Scan# 932
Delta R.T. 0.01 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

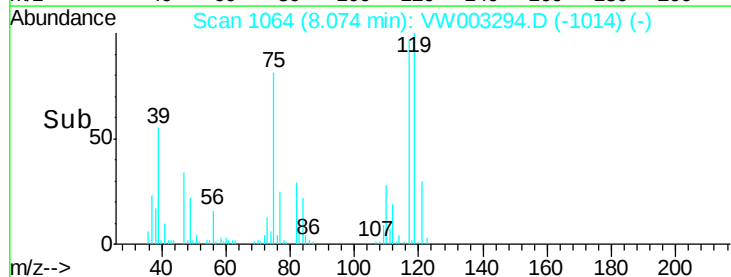
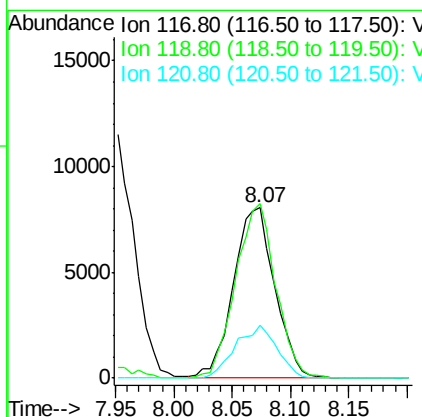
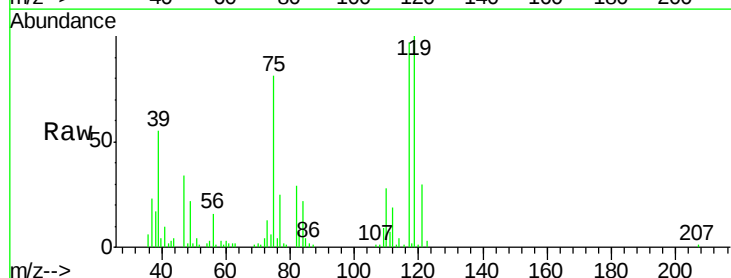
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

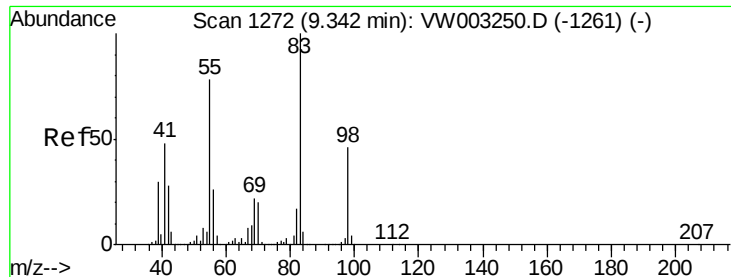
Tot Ion: 43 Resp: 8407
Ion Ratio Lower Upper
43 100
61 12.8 10.8 16.2
70 9.7 7.8 11.6



#38
Carbon Tetrachloride
Concen: 5.497 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 117 Resp: 19951
Ion Ratio Lower Upper
117 100
119 102.8 76.6 115.0
121 31.1 23.9 35.9

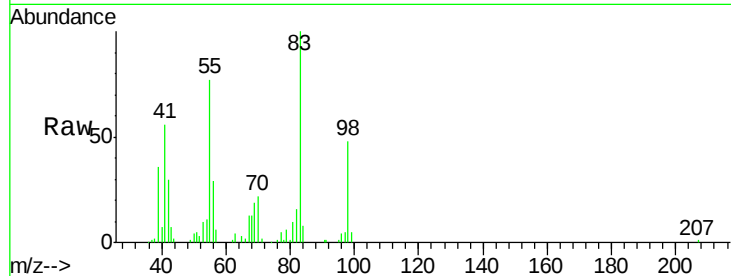




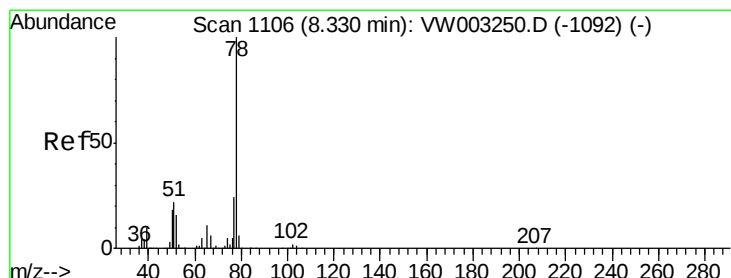
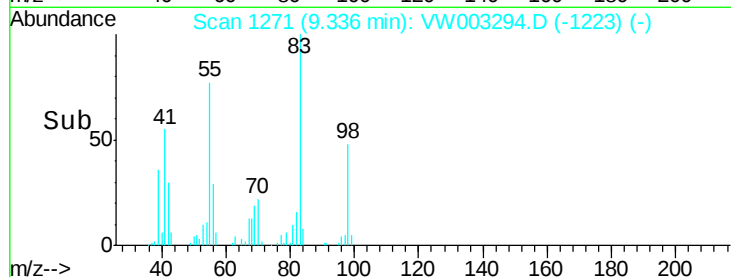
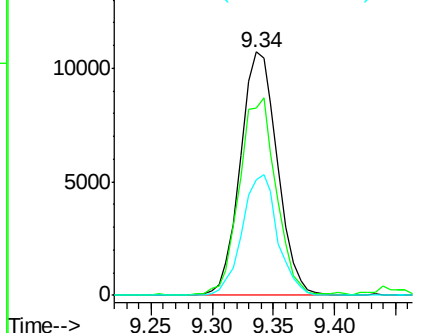
#39
Methvlcvclohexane
Concen: 5.272 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

Tot Ion: 83 Resp: 22574
Ion Ratio Lower Upper
83 100
55 76.7 62.6 93.8
98 47.6 37.0 55.4

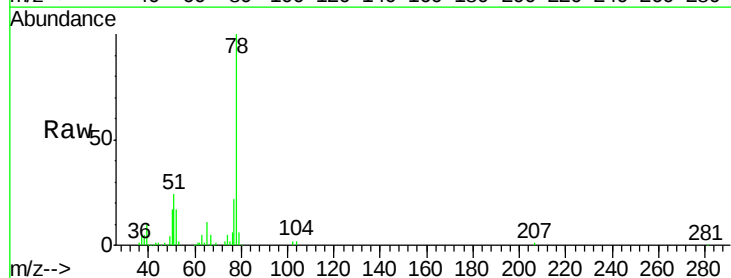


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

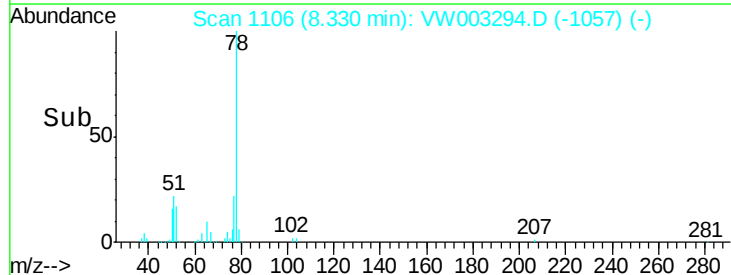
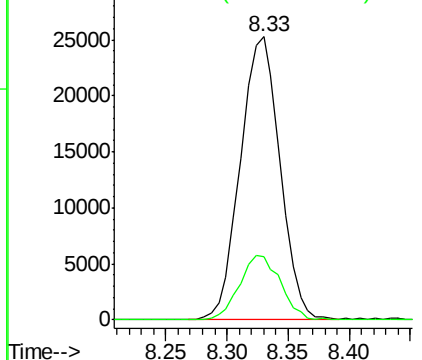


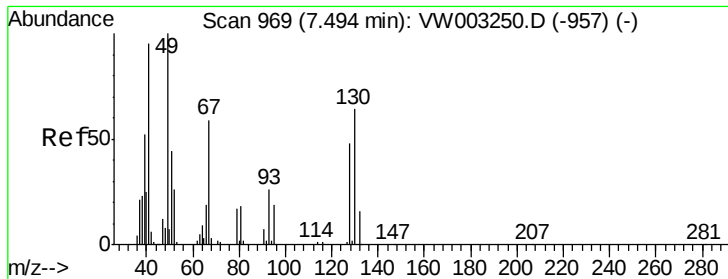
#40
Benzene
Concen: 5.593 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 78 Resp: 57047
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

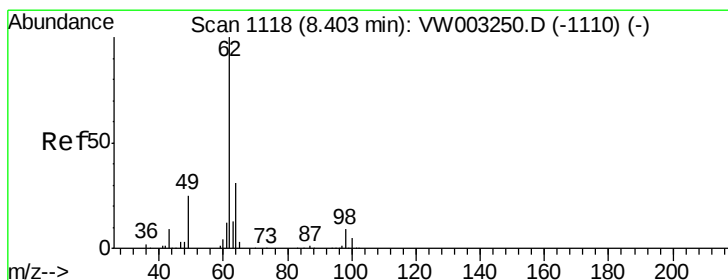
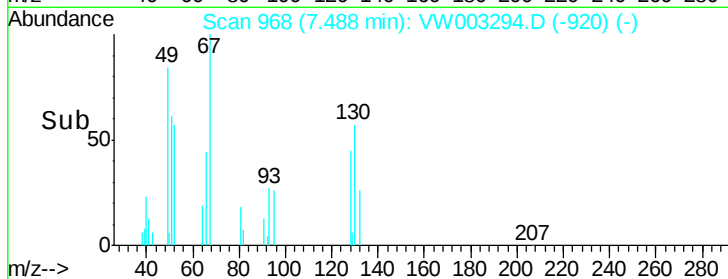
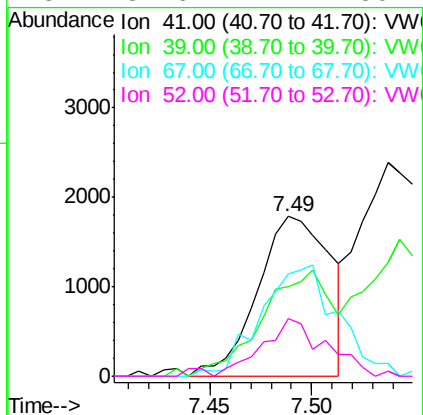
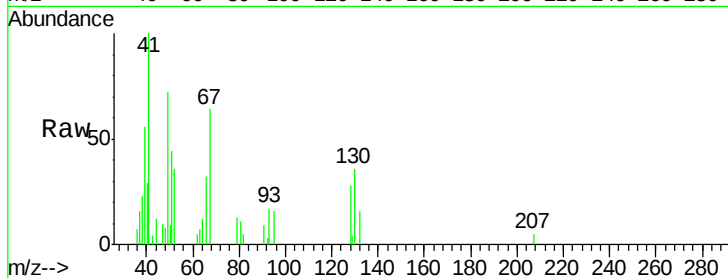




#41
Methacrylonitrile
Concen: 4.717 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

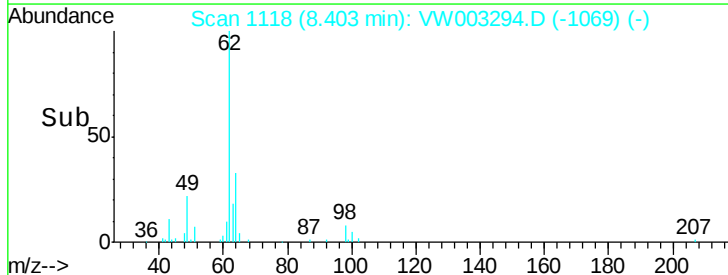
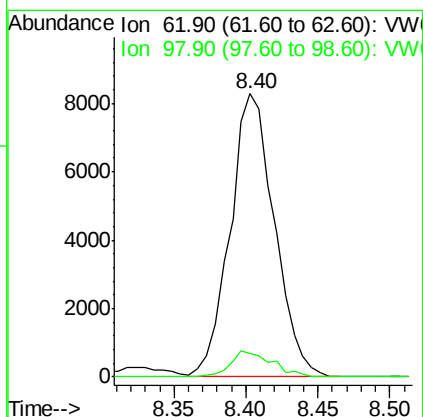
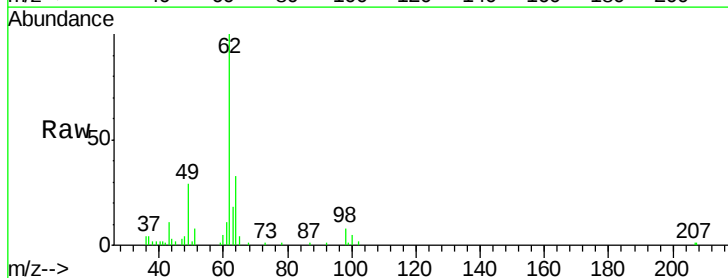
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

Tot Ion:	41	Resp:	4437
Ion	Ratio	Lower	Upper
41	100		
39	63.6	45.8	68.8
67	74.2	52.3	78.5
52	31.6	24.1	36.1



#42
1,2-Dichloroethane
Concen: 5.539 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion:	62	Resp:	17699
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43

Isopropyl Acetate

Concen: 4.924 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

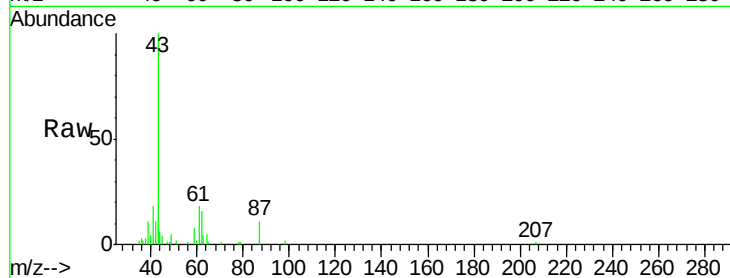
Tot Ion: 43 Resp: 14989

Ion Ratio Lower Upper

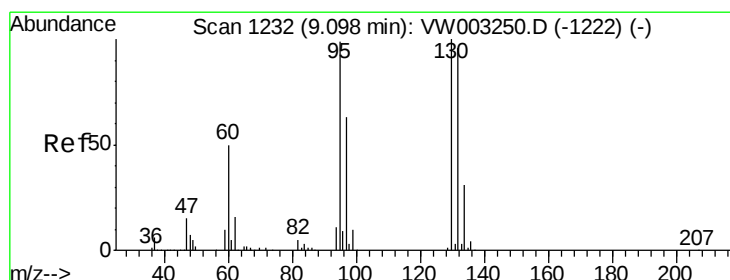
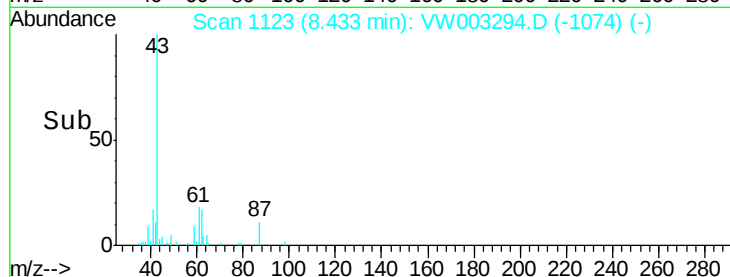
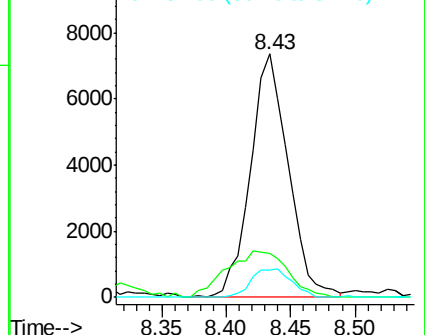
43 100

61 30.9 23.1 34.7

87 12.4 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 5.557 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003294.D

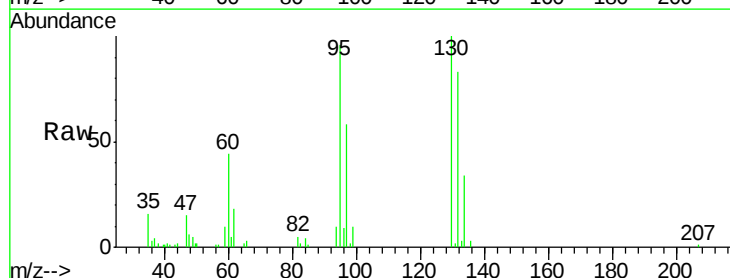
Acq: 15 Jun 2018 16:18

Tgt Ion: 130 Resp: 15018

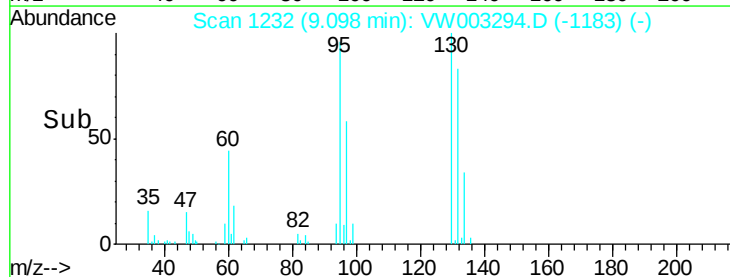
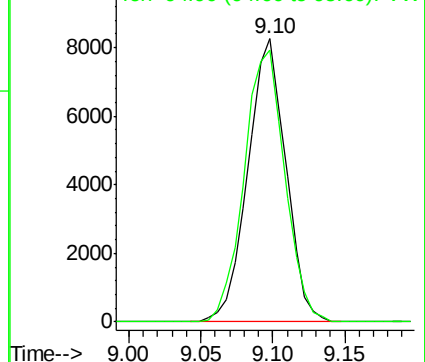
Ion Ratio Lower Upper

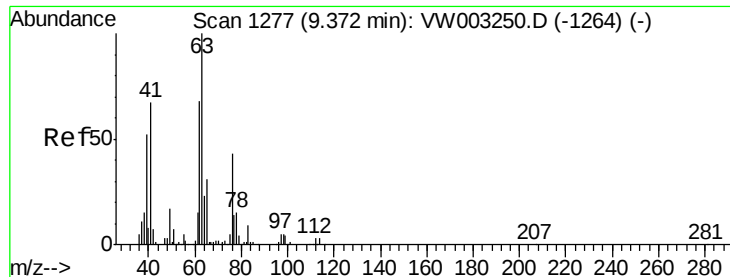
130 100

95 95.9 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

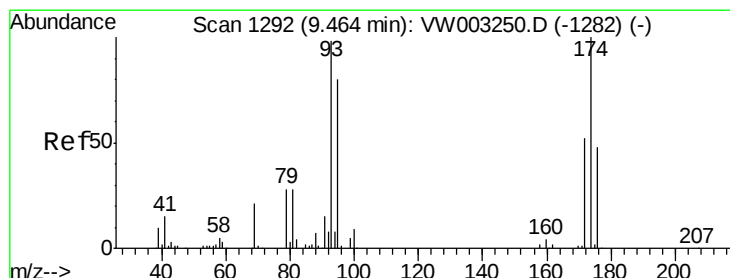
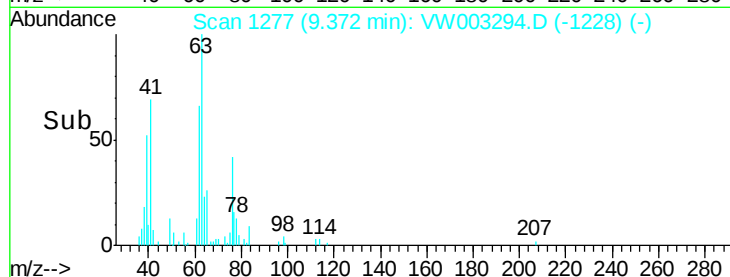
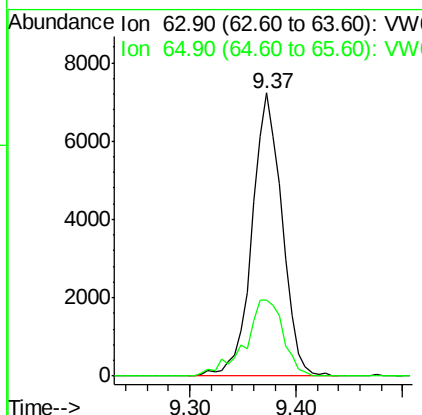
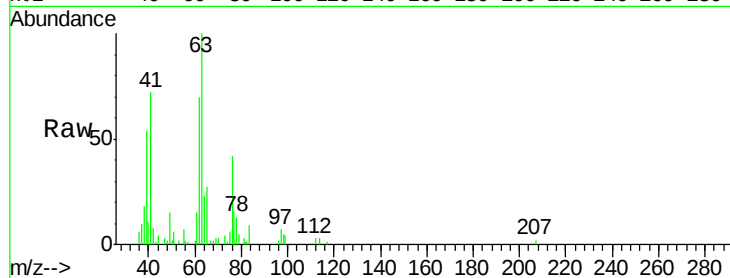




#45
 1,2-Dichloropropane
 Concen: 5.511 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

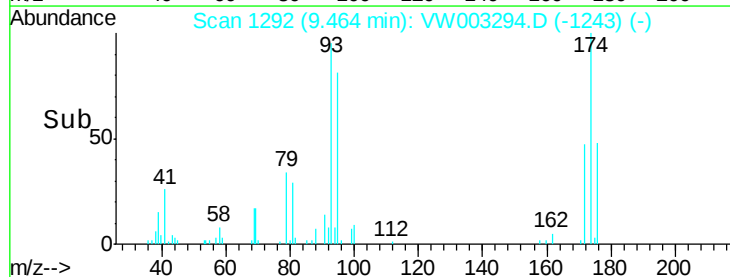
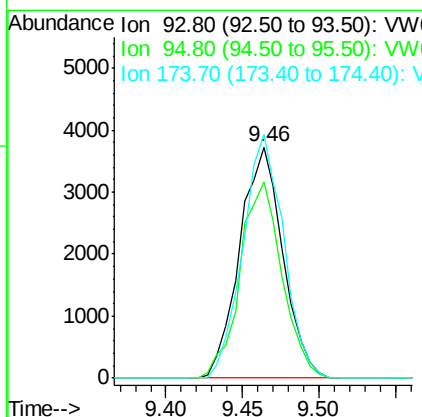
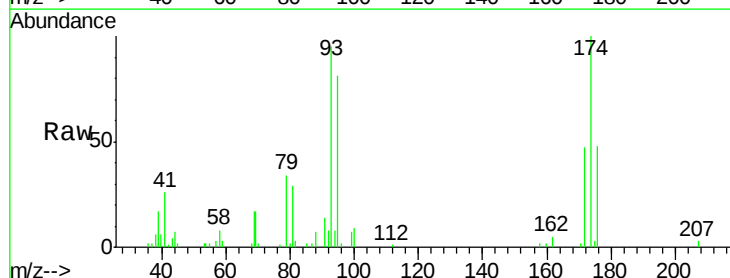
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

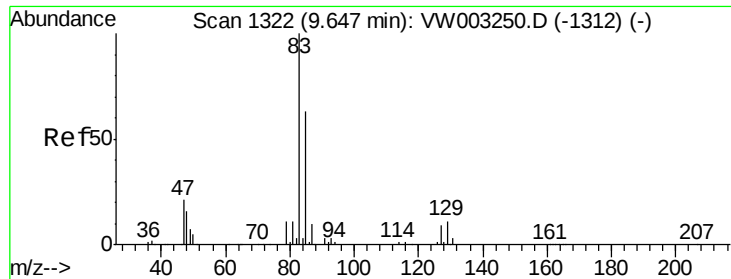
Tot Ion: 63 Resp: 14312
 Ion Ratio Lower Upper
 63 100
 65 26.7 25.1 37.7



#46
 Dibromomethane
 Concen: 5.494 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Tgt Ion: 93 Resp: 7305
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.8 98.8
 174 99.7 81.4 122.0





#47

Bromodichloromethane

Concen: 5.401 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

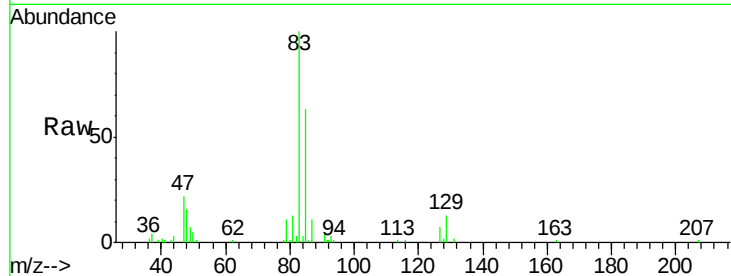
Tot Ion: 83 Resp: 18407

Ion Ratio Lower Upper

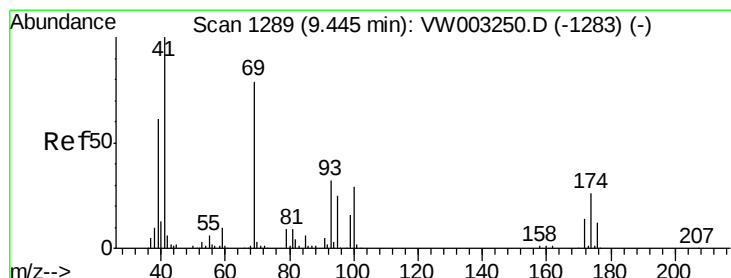
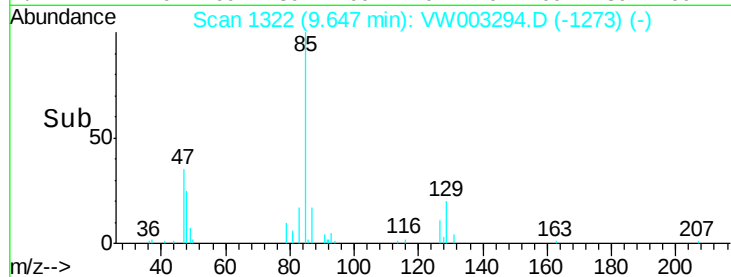
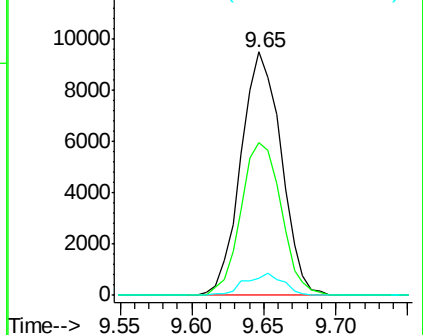
83 100

85 62.9 50.6 75.8

127 7.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.819 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

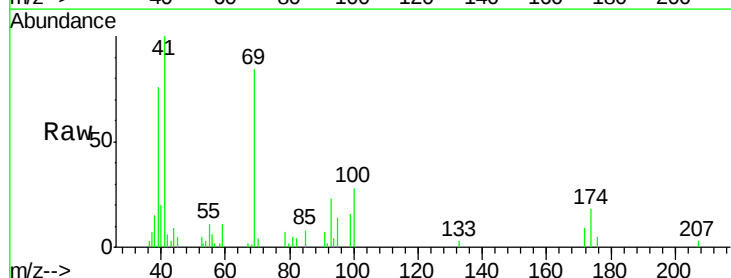
Tgt Ion: 41 Resp: 6893

Ion Ratio Lower Upper

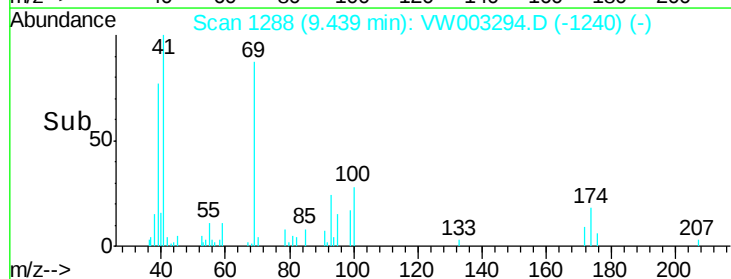
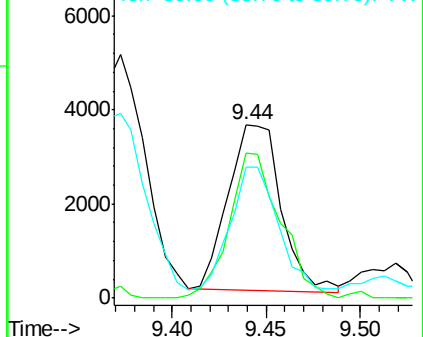
41 100

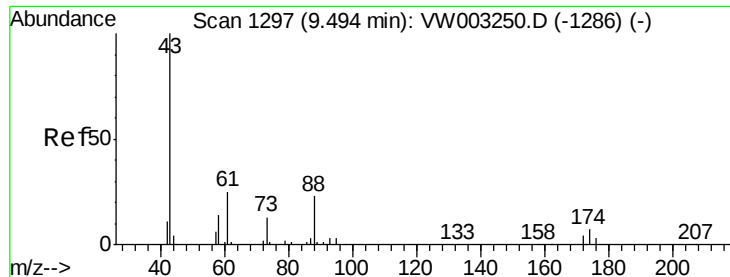
69 84.2 65.4 98.2

39 68.3 54.2 81.2



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

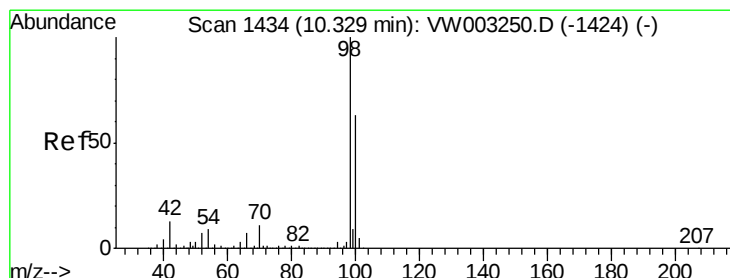
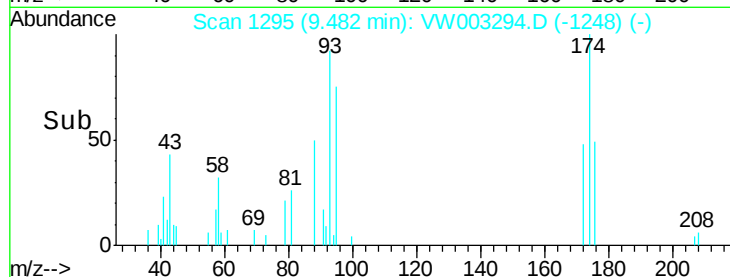
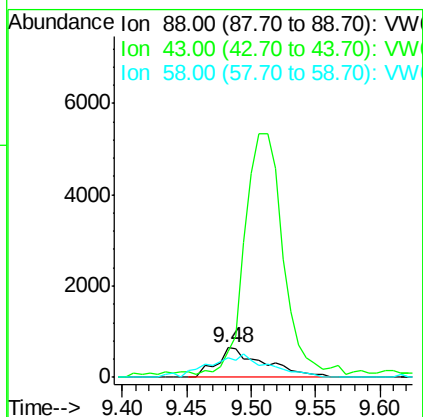
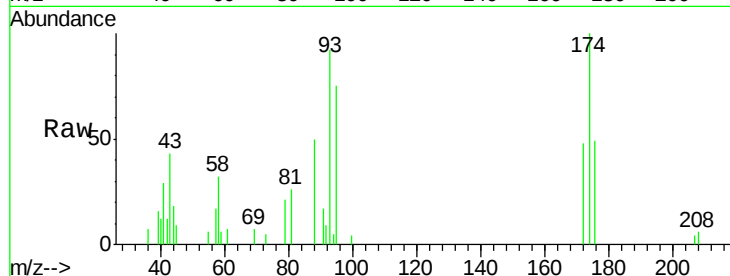




#49
1,4-Dioxane
Concen: 85.279 ug/l
RT: 9.48 min Scan# 1295
Delta R.T. -0.01 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

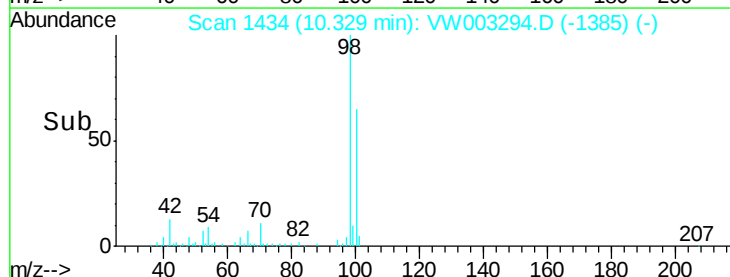
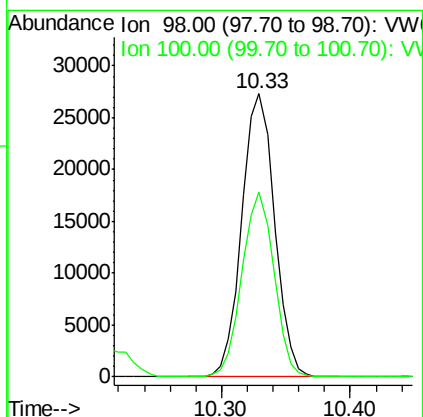
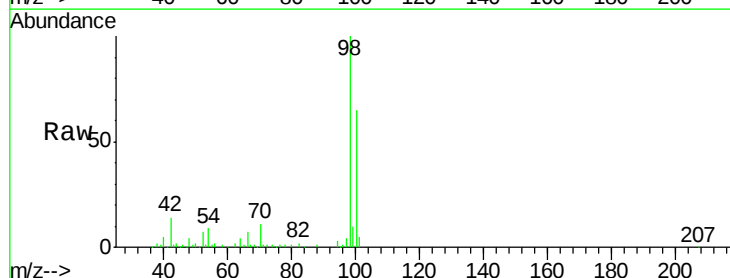
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

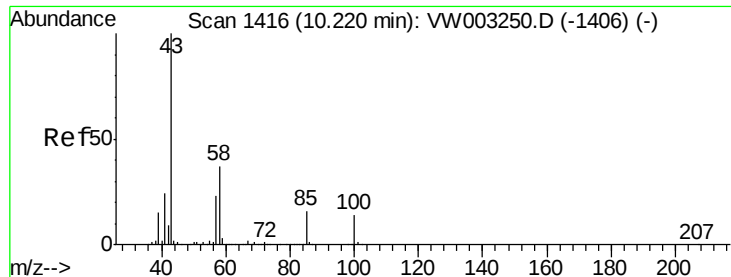
Tot Ion: 88 Resp: 1712
Ion Ratio Lower Upper
88 100
43 0.0 454.7 682.1#
58 93.6 58.6 88.0#



#50
Toluene-d8
Concen: 5.106 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 98 Resp: 48202
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 24.359 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

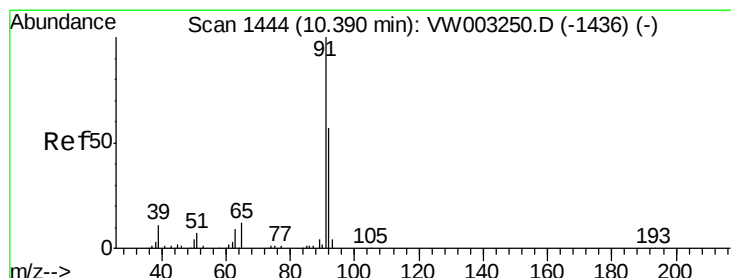
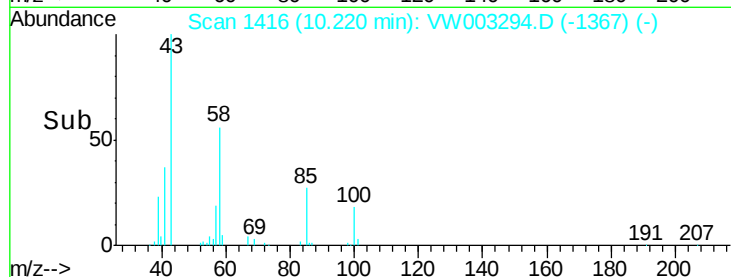
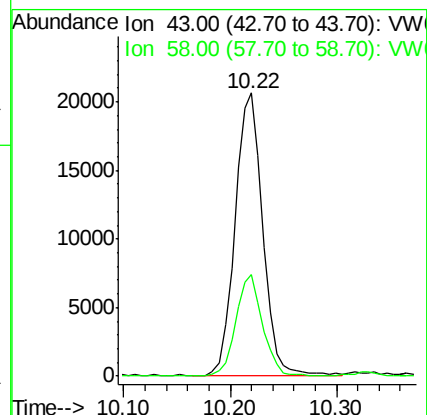
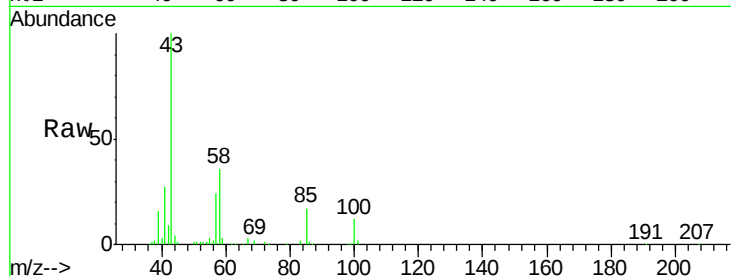
LOQ-SCM-Precision-Bias-1

Tot Ion: 43 Resp: 37781

Ion Ratio Lower Upper

43 100

58 34.4 29.0 43.4



#52

Toluene

Concen: 5.360 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003294.D

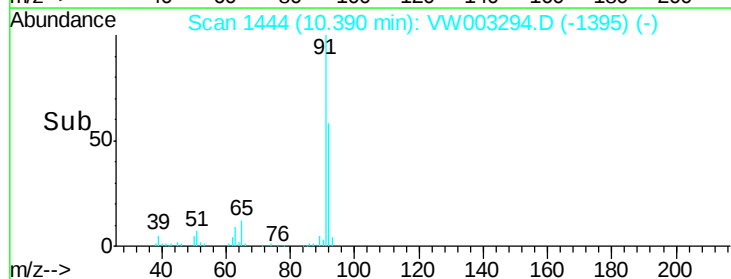
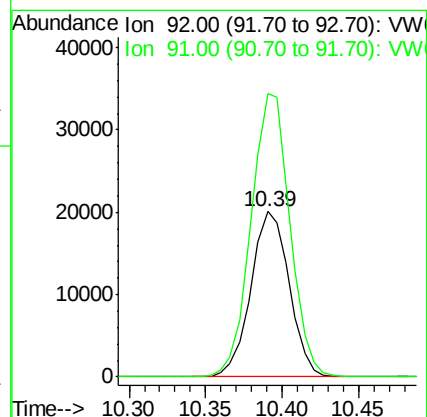
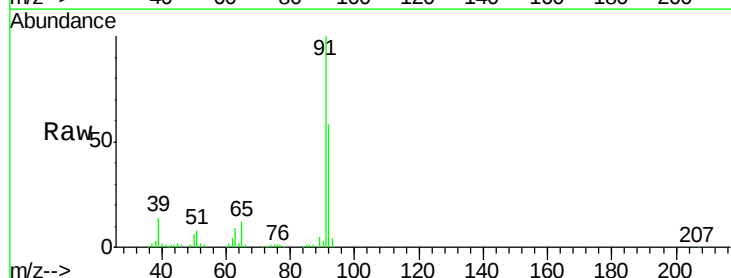
Acq: 15 Jun 2018 16:18

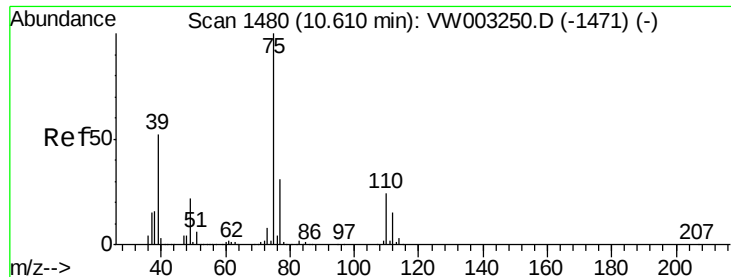
Tgt Ion: 92 Resp: 35060

Ion Ratio Lower Upper

92 100

91 173.3 141.1 211.7

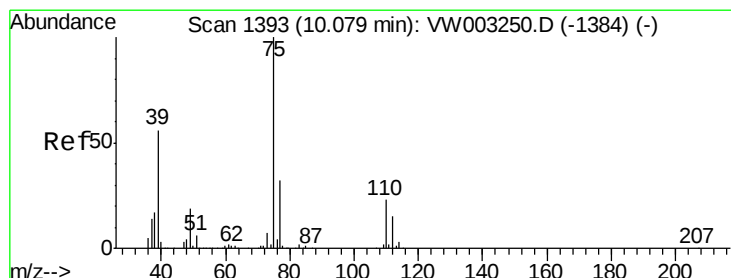
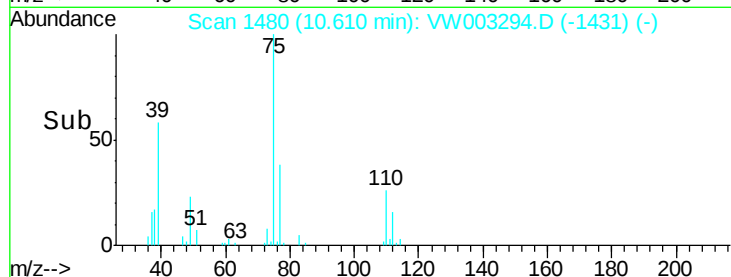
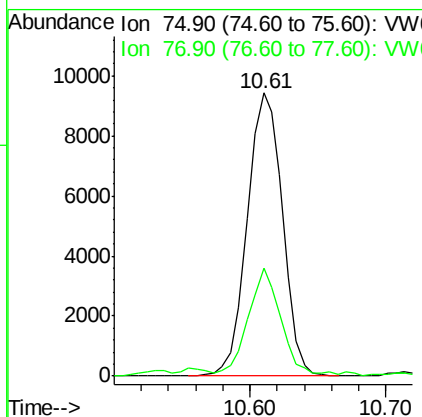
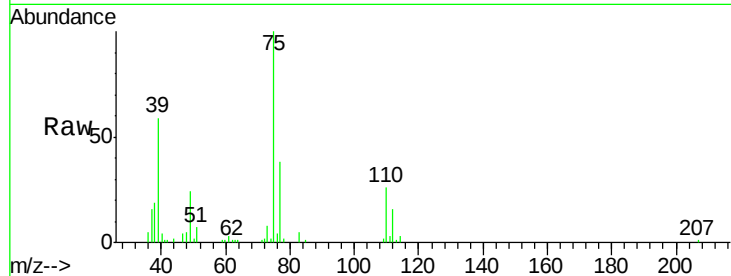




#53
 t-1,3-Dichloropropene
 Concen: 4.914 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

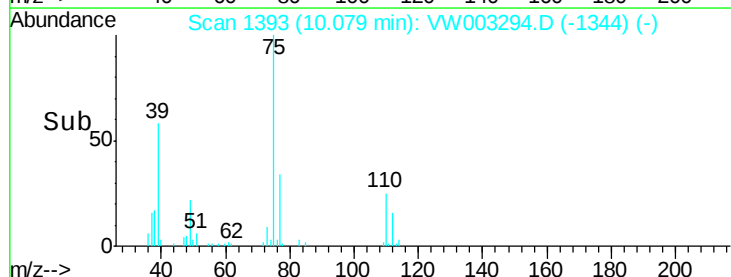
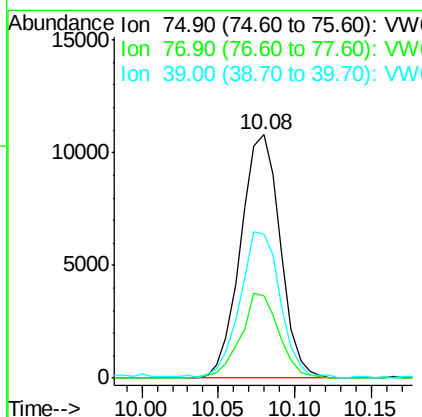
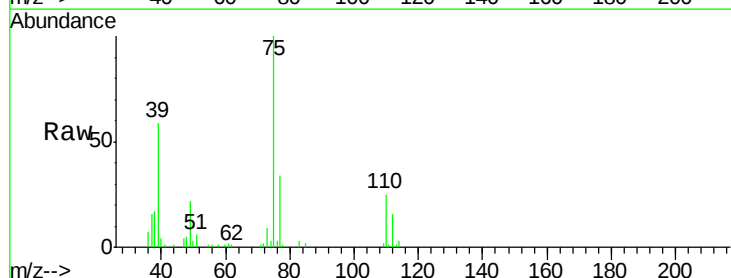
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

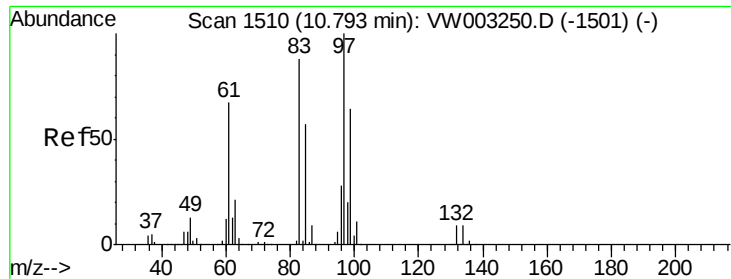
Tot Ion: 75 Resp: 17106
 Ion Ratio Lower Upper
 75 100
 77 37.6 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 4.912 ug/l
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Tgt Ion: 75 Resp: 19462
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.8 38.6
 39 59.3 45.2 67.8

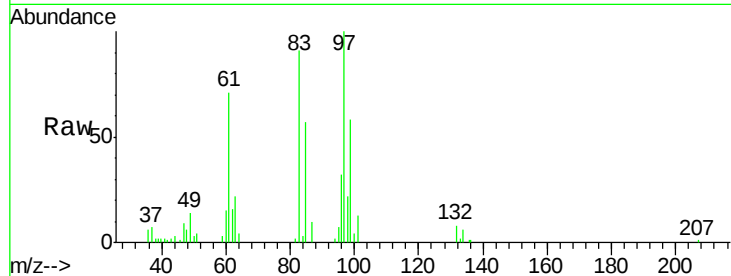




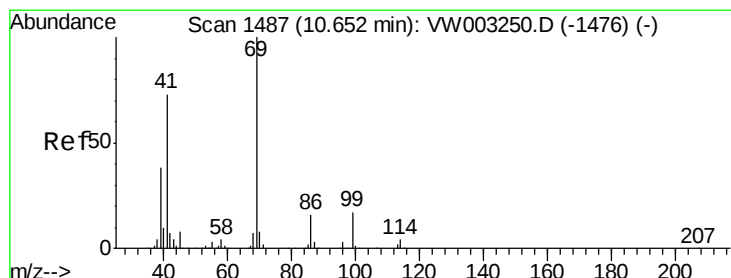
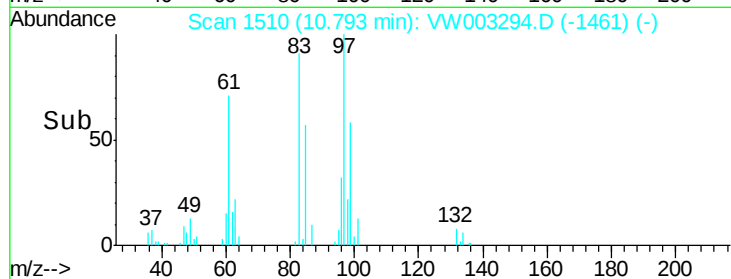
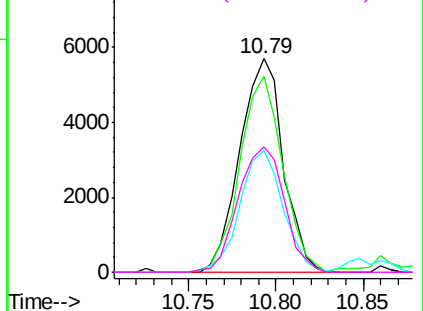
#55
 1,1,2-Trichloroethane
 Concen: 5.251 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

Tot Ion: 97 Resp: 9839
 Ion Ratio Lower Upper
 97 100
 83 91.4 70.2 105.2
 85 57.1 45.6 68.4
 99 58.5 51.2 76.8

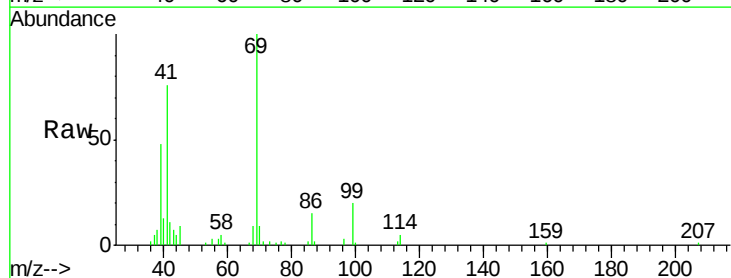


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

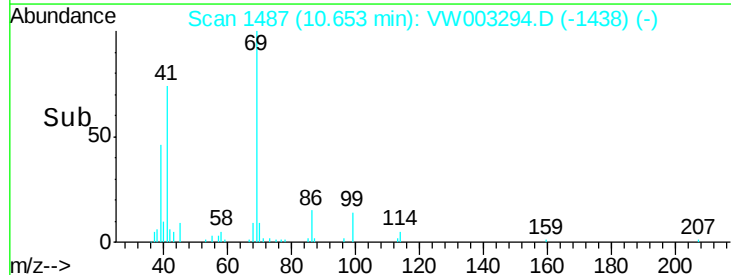
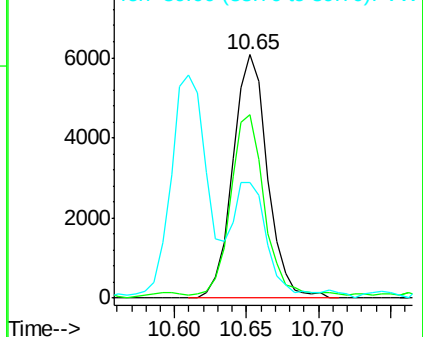


#56
 Ethyl methacrylate
 Concen: 4.483 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Tgt Ion: 69 Resp: 10199
 Ion Ratio Lower Upper
 69 100
 41 73.0 57.8 86.6
 39 42.2 32.7 49.1



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





#57

1,3-Dichloropropane

Concen: 5.199 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

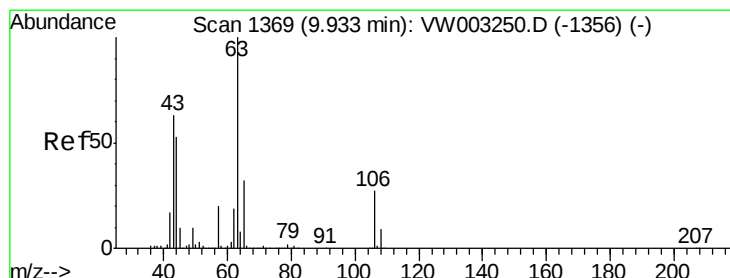
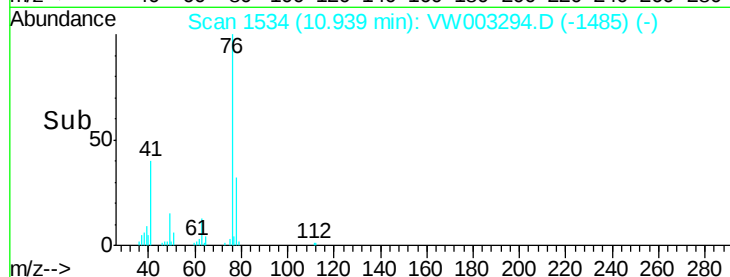
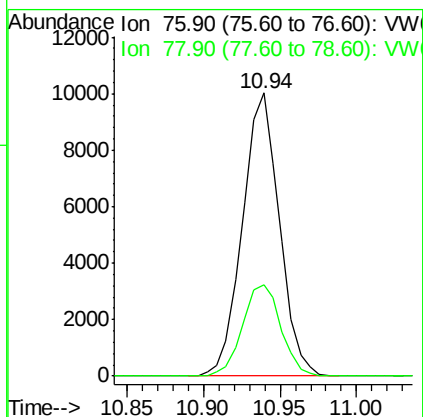
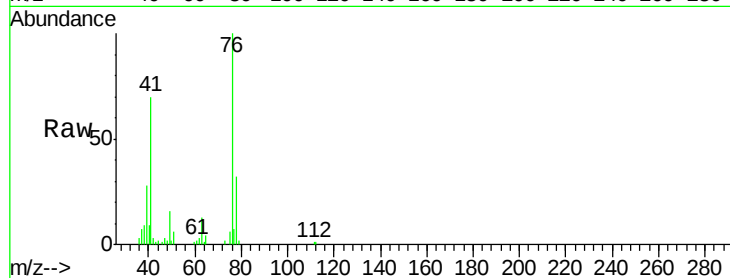
LOQ-SCM-Precision-Bias-1

Tot Ion: 76 Resp: 16799

Ion Ratio Lower Upper

76 100

78 33.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 24.236 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VW003294.D

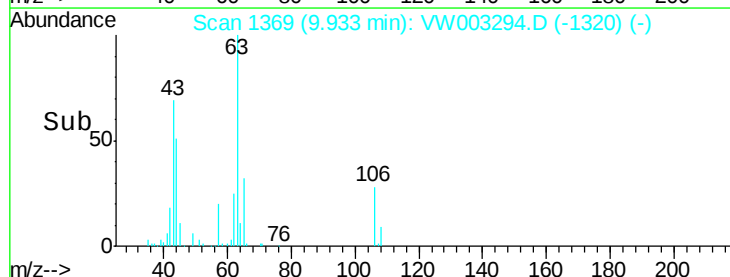
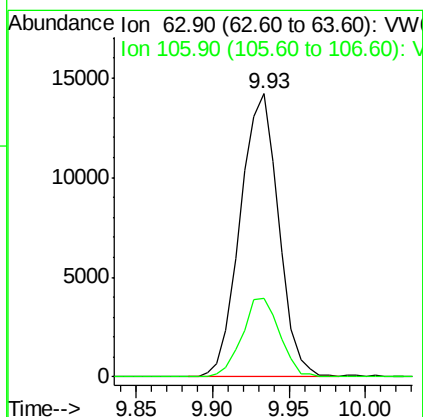
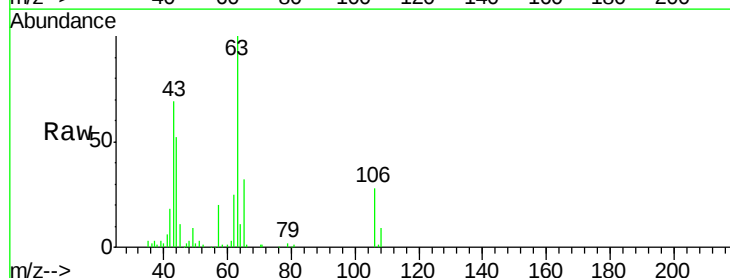
Acq: 15 Jun 2018 16:18

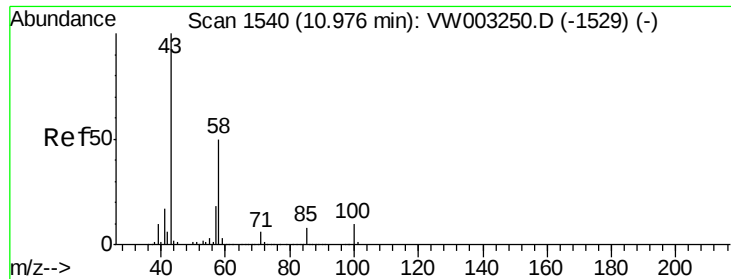
Tgt Ion: 63 Resp: 24718

Ion Ratio Lower Upper

63 100

106 27.2 21.8 32.8

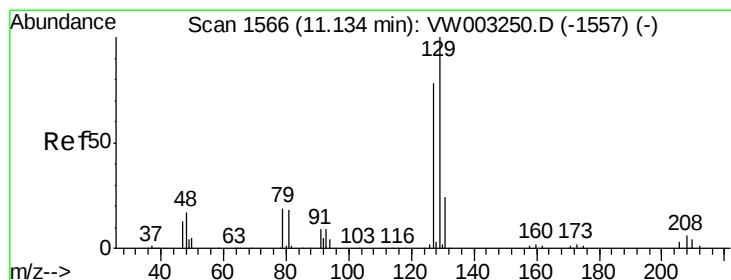
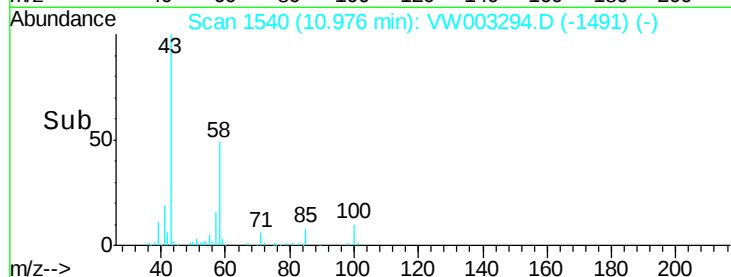
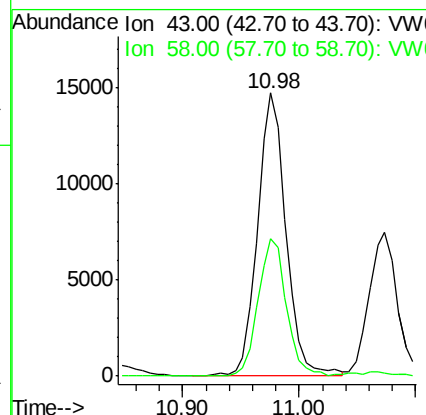
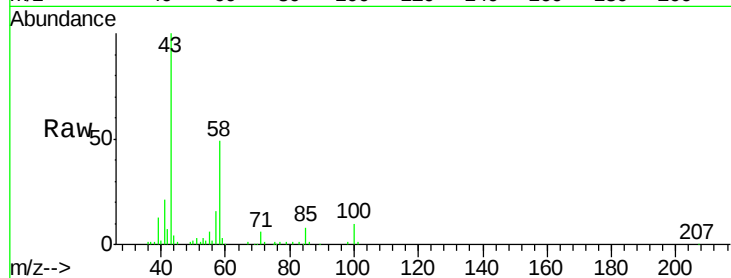




#59
2-Hexanone
Concen: 23.264 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

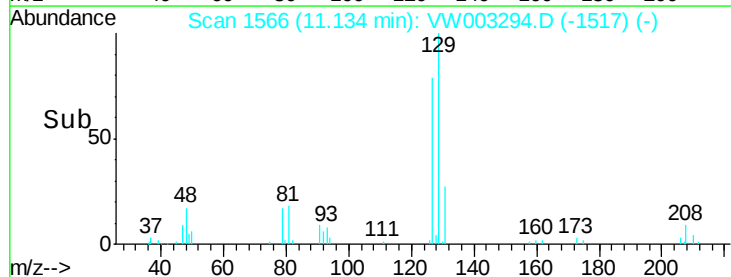
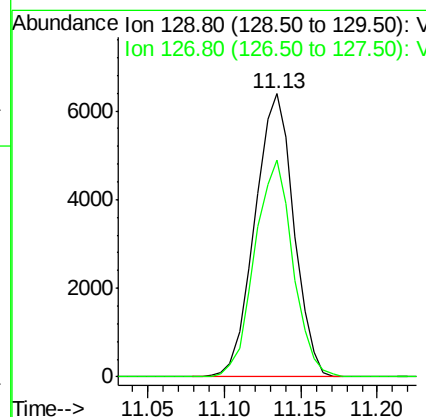
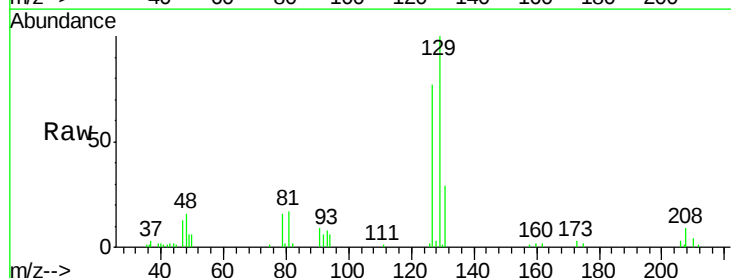
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

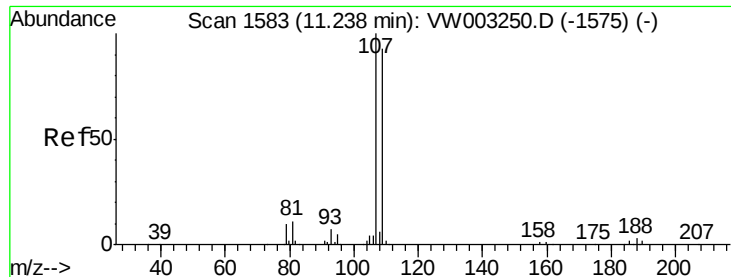
Tot Ion: 43 Resp: 25207
Ion Ratio Lower Upper
43 100
58 48.5 25.0 75.0



#60
Dibromochloromethane
Concen: 5.085 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 129 Resp: 11329
Ion Ratio Lower Upper
129 100
127 75.2 39.1 117.5





#61

1,2-Dibromoethane

Concen: 5.176 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

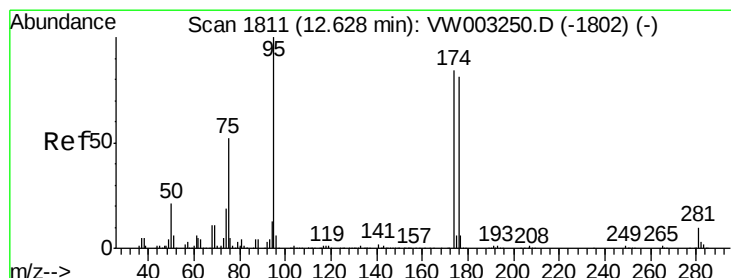
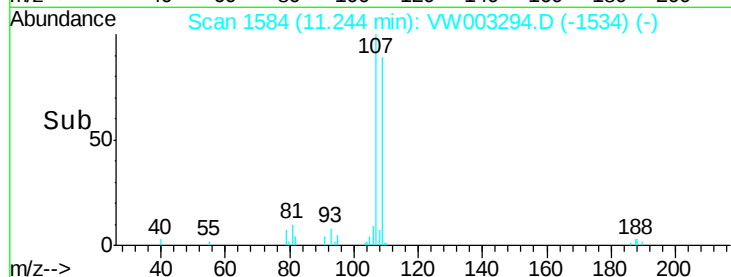
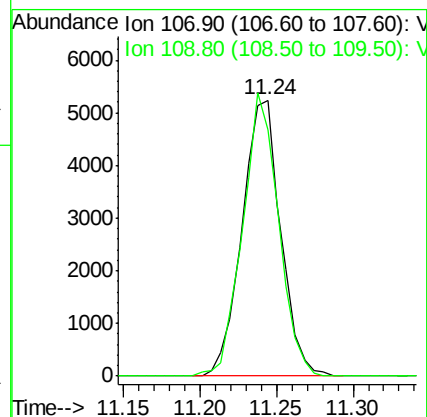
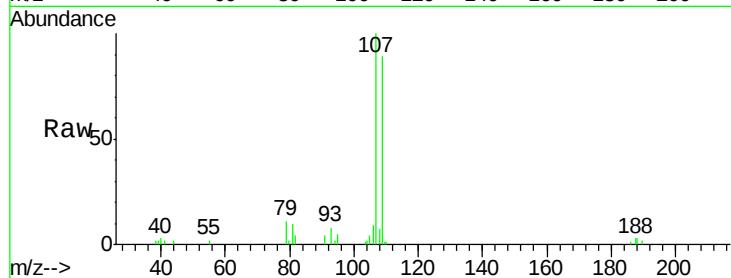
LOQ-SCM-Precision-Bias-1

Tot Ion: 107 Resp: 9173

Ion Ratio Lower Upper

107 100

109 95.2 75.8 113.6



#62

4-Bromofluorobenzene

Concen: 5.186 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

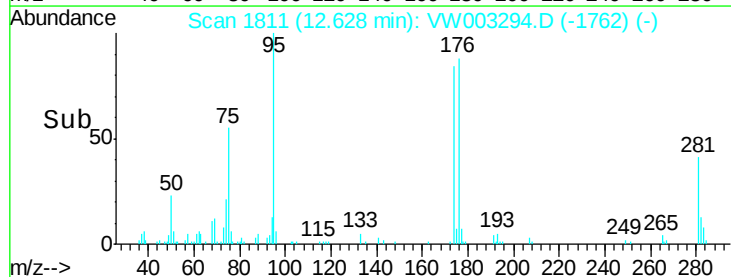
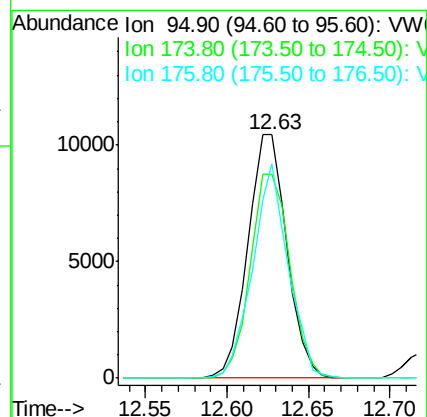
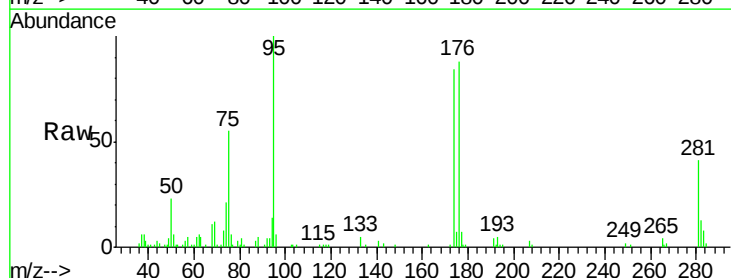
Tgt Ion: 95 Resp: 17326

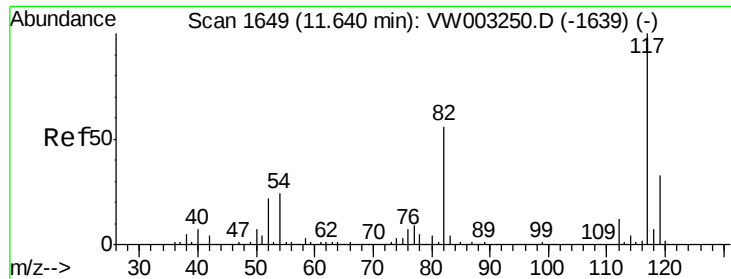
Ion Ratio Lower Upper

95 100

174 85.6 0.0 166.4

176 80.6 0.0 162.0

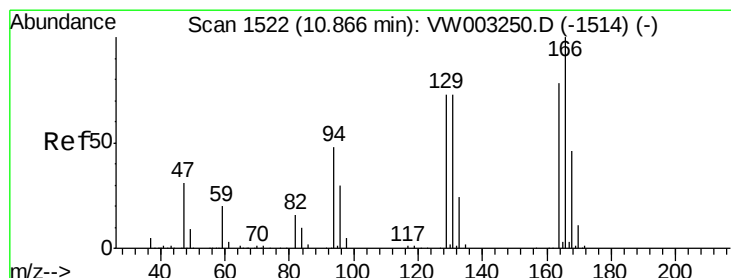
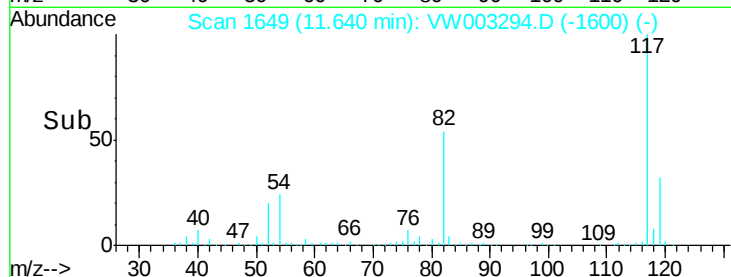
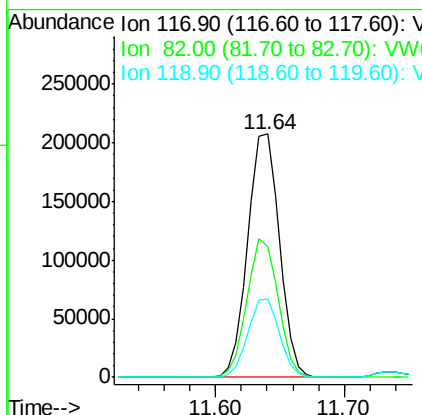
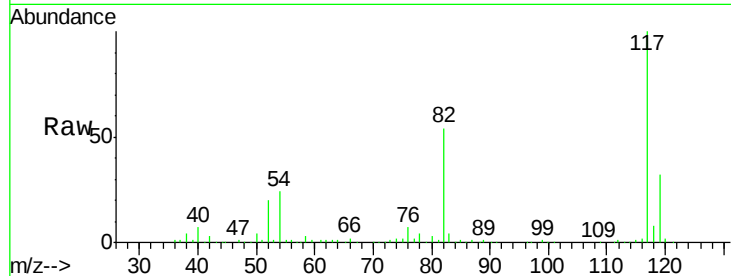




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

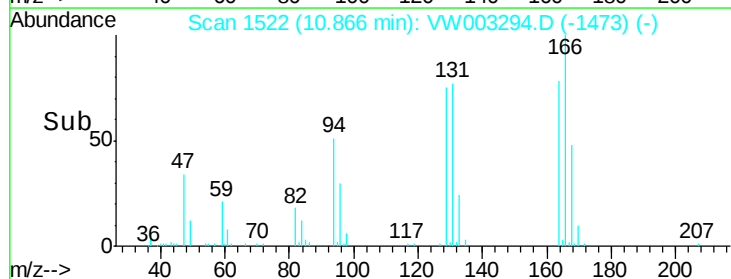
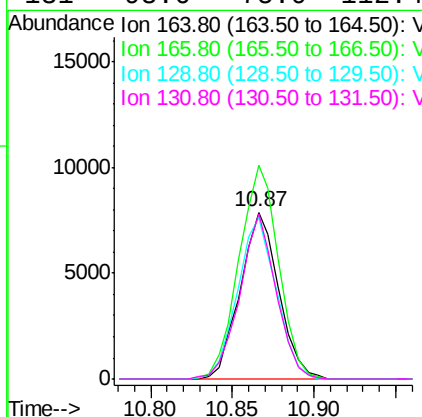
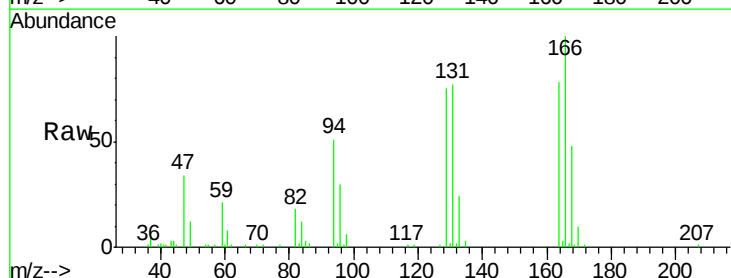
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

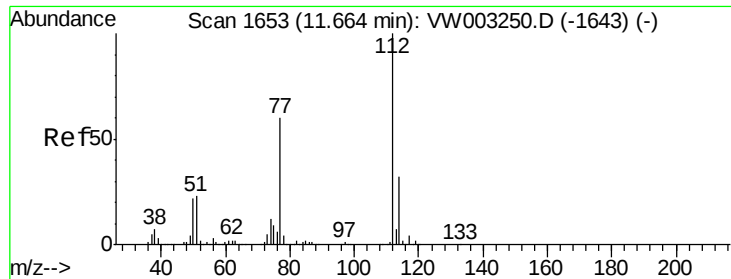
Tot Ion:117 Resp: 353050
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 32.2 26.7 40.1



#64
Tetrachloroethene
Concen: 5.487 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion:164 Resp: 12957
Ion Ratio Lower Upper
164 100
166 127.9 102.6 154.0
129 96.4 75.2 112.8
131 98.6 75.0 112.4





#65

Chlorobenzene

Concen: 5.322 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

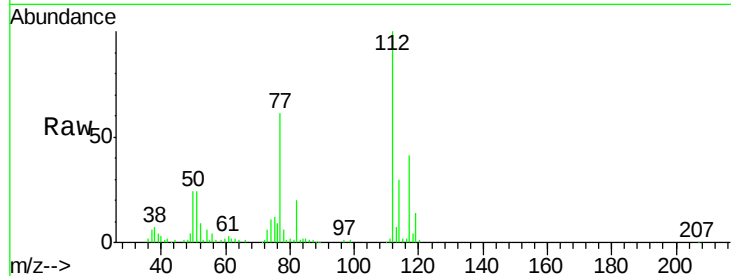
LOQ-SCM-Precision-Bias-1

Tot Ion:112 Resp: 39125

Ion Ratio Lower Upper

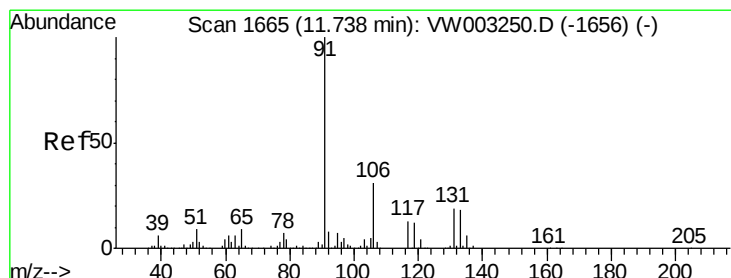
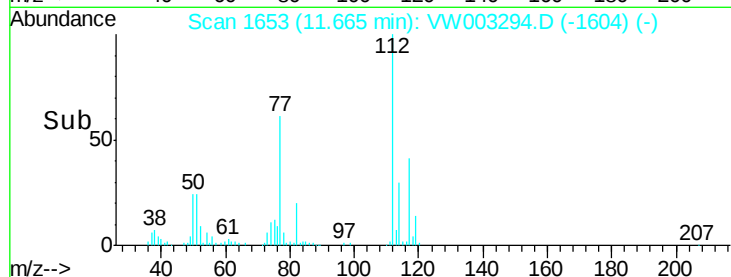
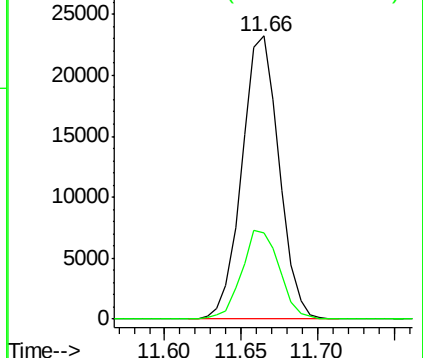
112 100

114 30.5 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.162 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

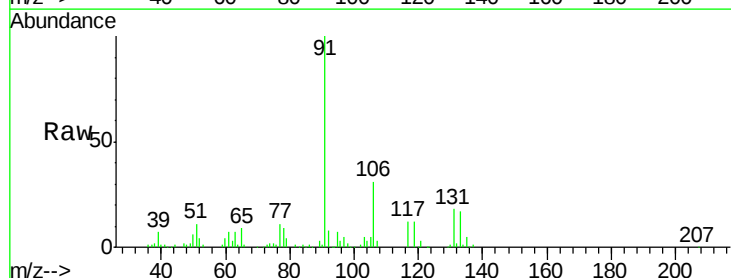
Tgt Ion:131 Resp: 13336

Ion Ratio Lower Upper

131 100

133 94.8 47.3 142.0

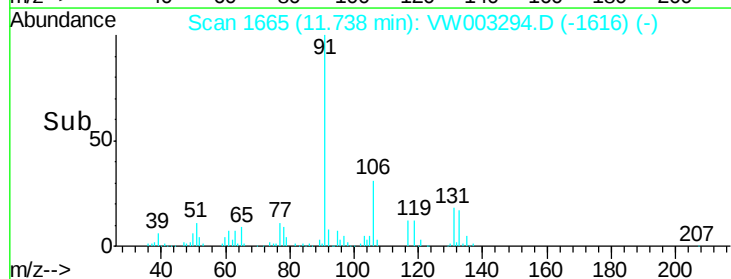
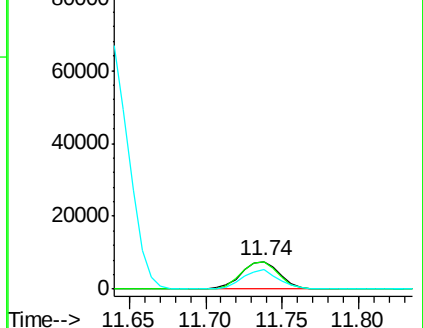
119 63.6 32.5 97.4

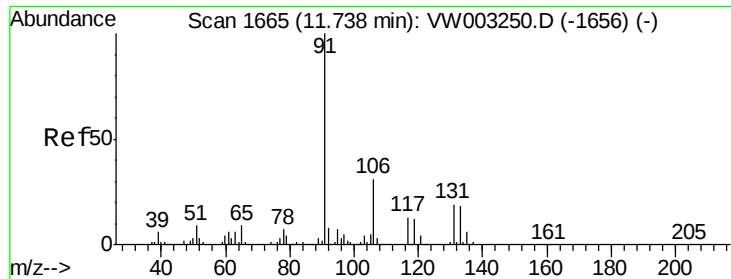


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

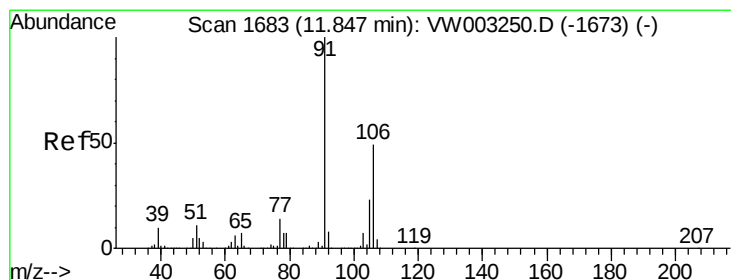
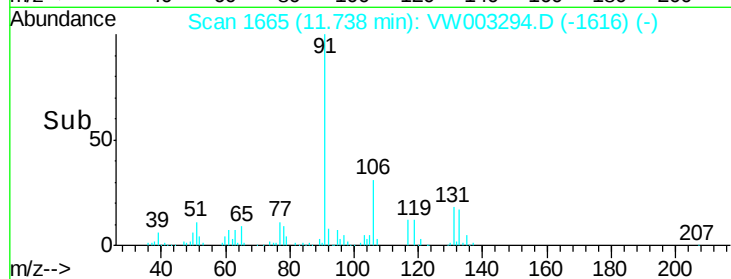
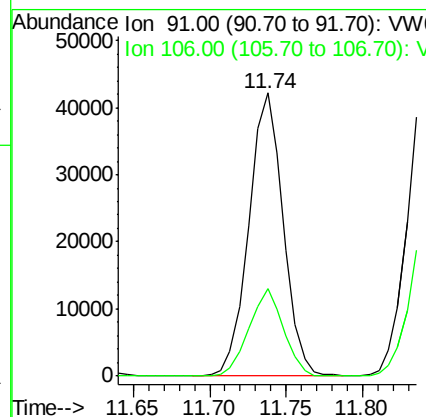
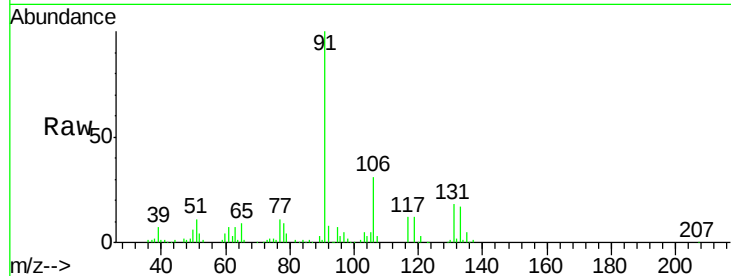




#67
Ethyl Benzene
Concen: 5.052 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

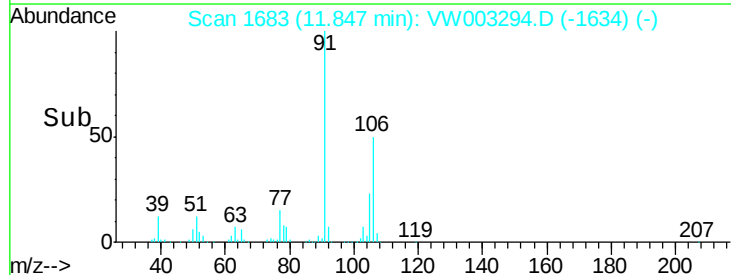
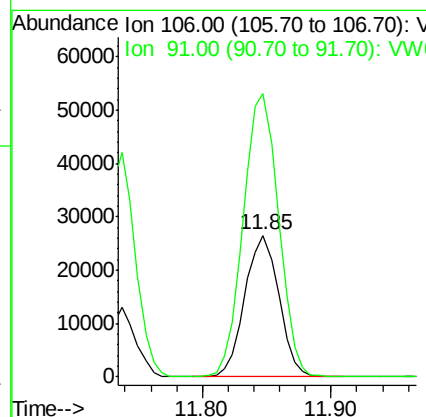
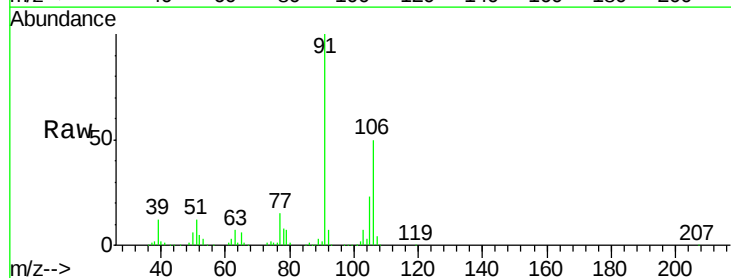
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

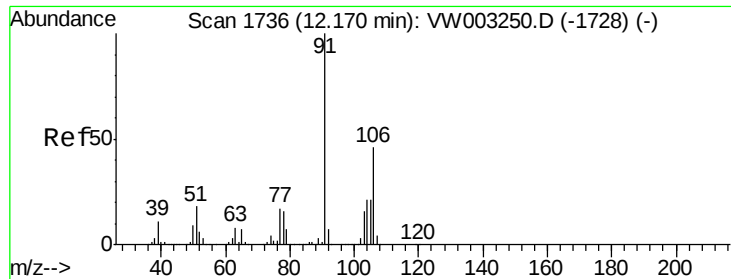
Tot Ion: 91 Resp: 65838
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#68
m/p-Xylenes
Concen: 9.803 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 106 Resp: 48565
Ion Ratio Lower Upper
106 100
91 207.6 165.4 248.0

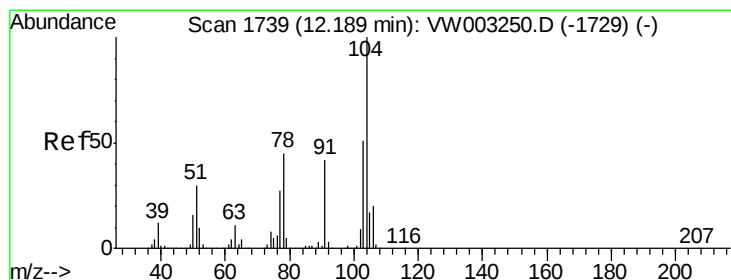
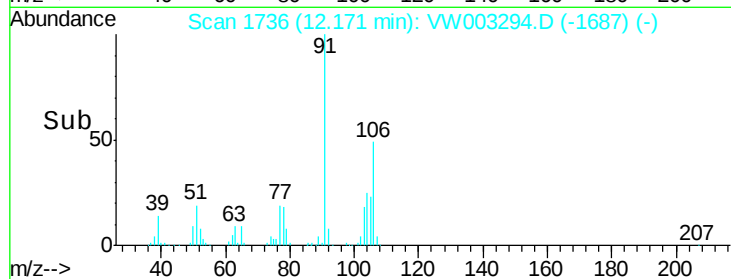
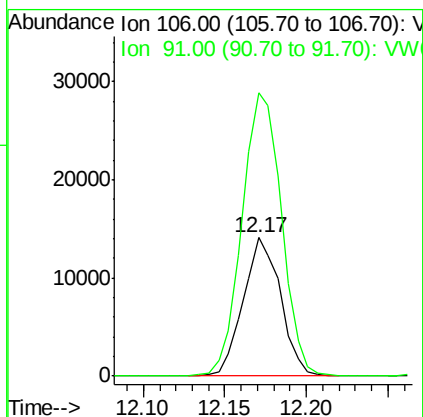
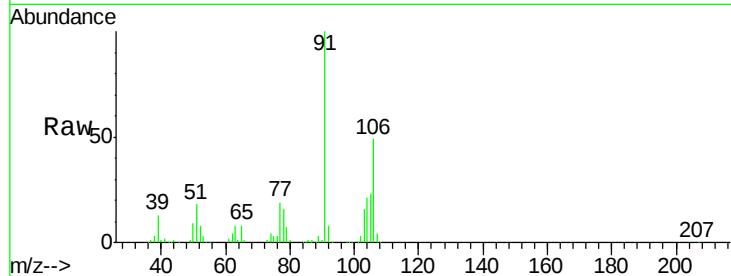




#69
o-Xylene
Concen: 4.923 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

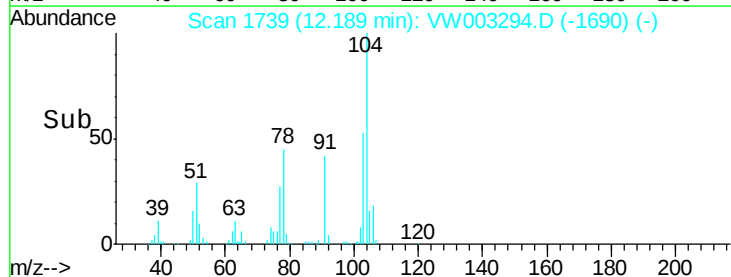
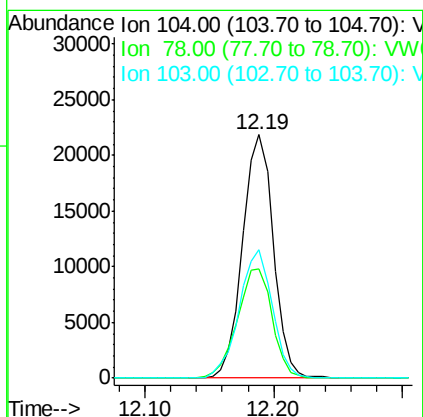
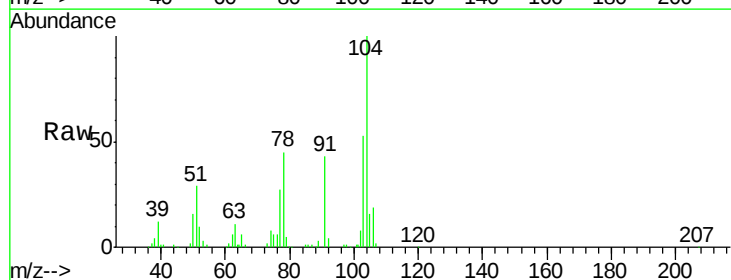
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

Tot Ion:106 Resp: 22602
Ion Ratio Lower Upper
106 100
91 215.4 108.6 325.6



#70
Styrene
Concen: 4.739 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion:104 Resp: 36217
Ion Ratio Lower Upper
104 100
78 50.6 41.3 61.9
103 56.6 45.0 67.4

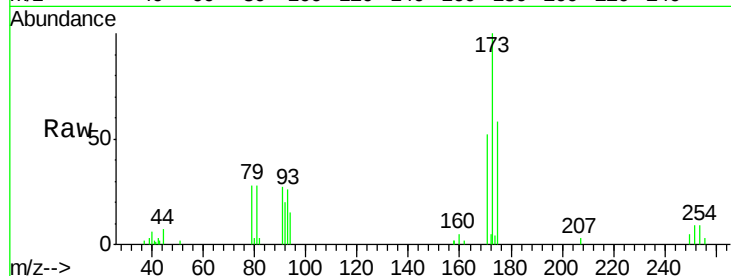




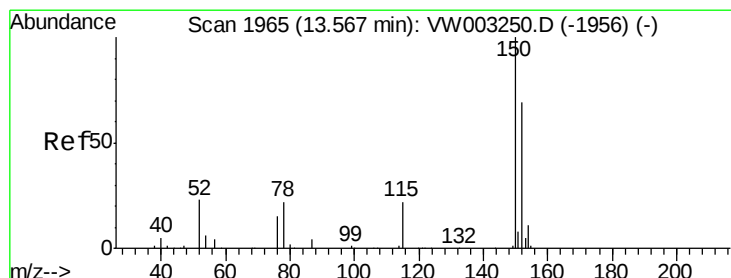
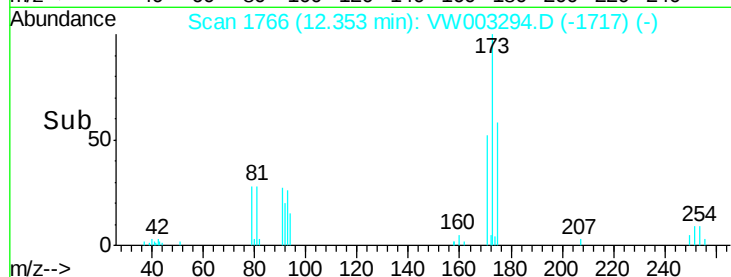
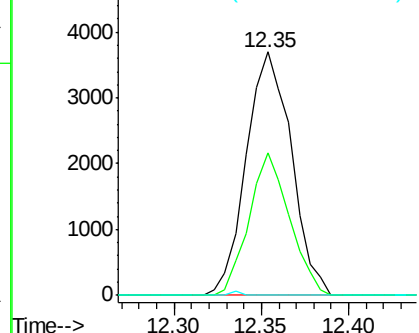
#71
Bromoform
Concen: 4.942 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

Tot Ion:173 Resp: 6618
Ion Ratio Lower Upper
173 100
175 52.7 24.4 73.4
254 0.3 0.1 0.1#

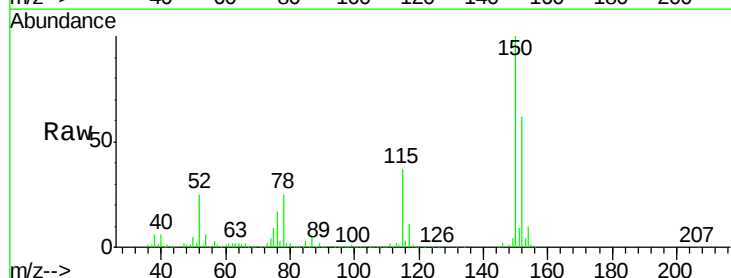


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

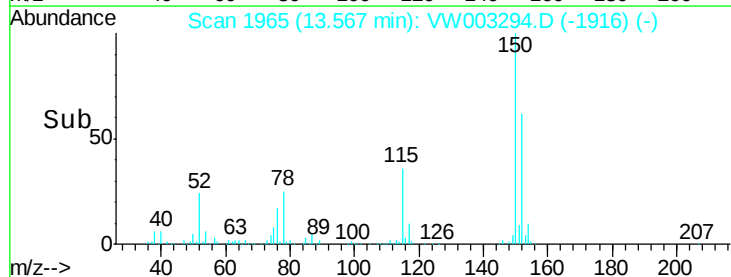
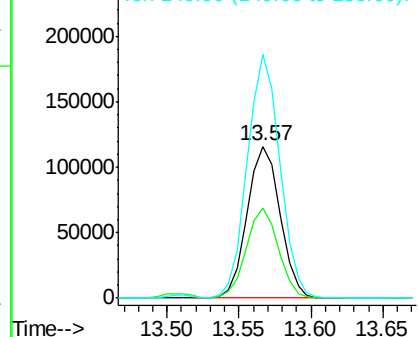


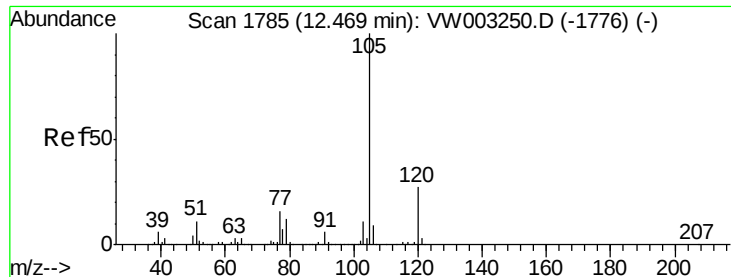
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion:152 Resp: 182810
Ion Ratio Lower Upper
152 100
115 57.7 29.3 88.0
150 159.4 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: 4.920 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

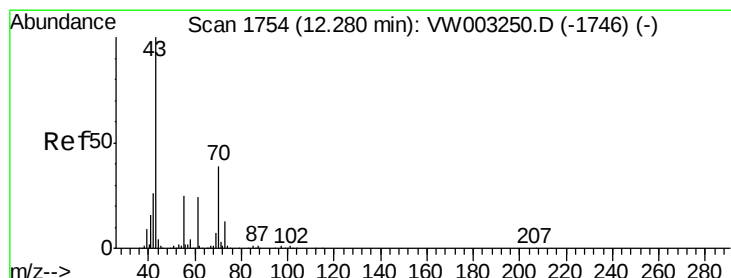
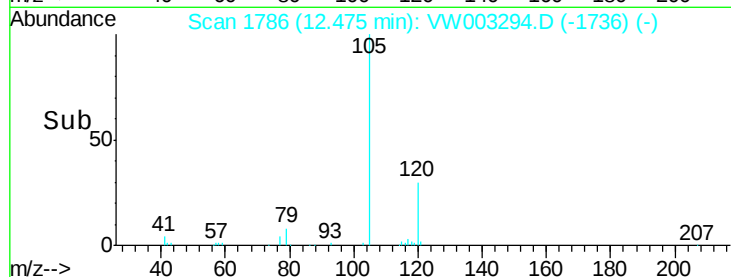
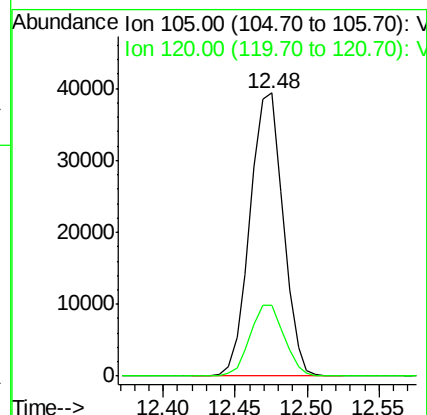
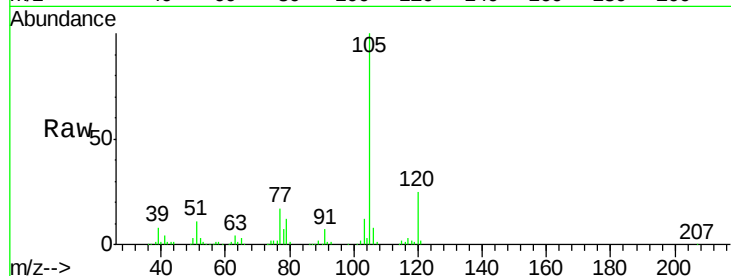
LOQ-SCM-Precision-Bias-1

Tot Ion:105 Resp: 62561

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.6



#74

N-ethyl acetate

Concen: 4.543 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Tgt Ion: 43 Resp: 13148

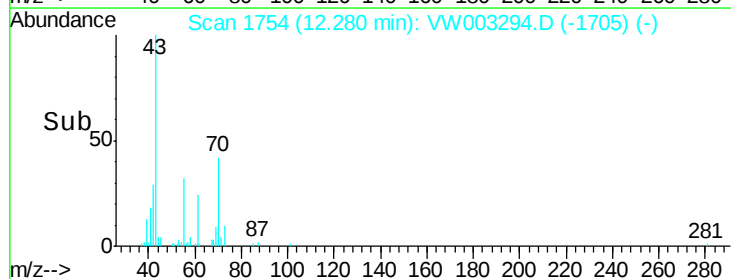
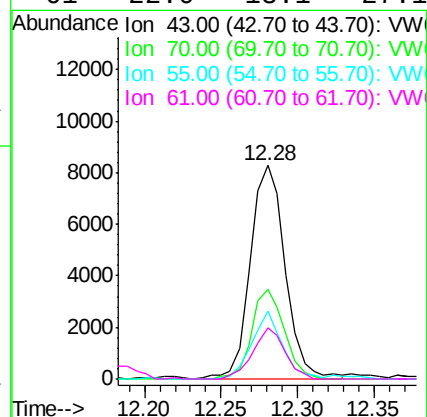
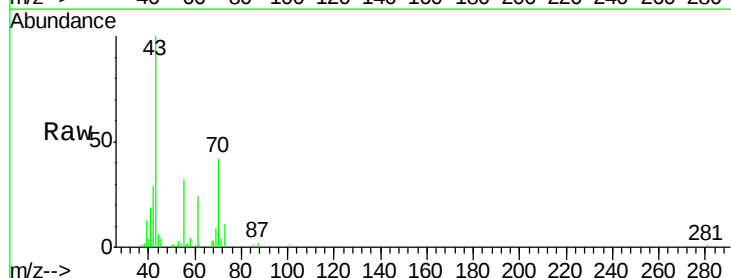
Ion Ratio Lower Upper

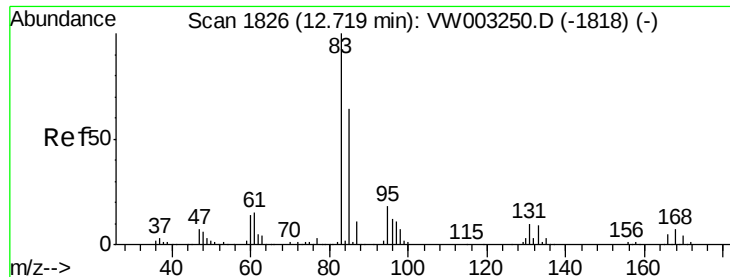
43 100

70 38.9 31.0 46.6

55 27.7 19.7 29.5

61 22.0 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.147 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

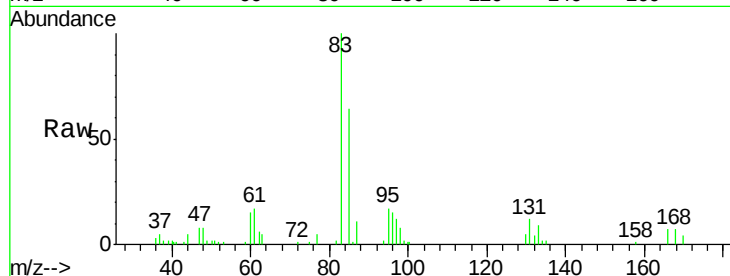
Tot Ion: 83 Resp: 11072

Ion Ratio Lower Upper

83 100

131 12.2 5.4 16.2

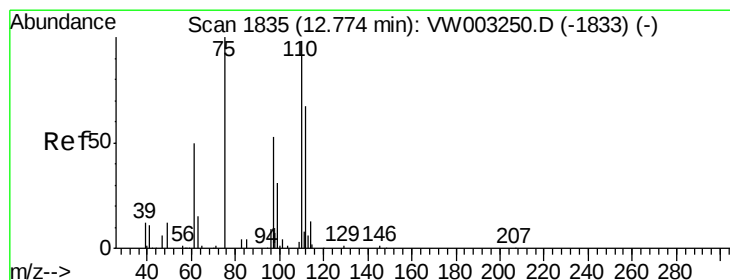
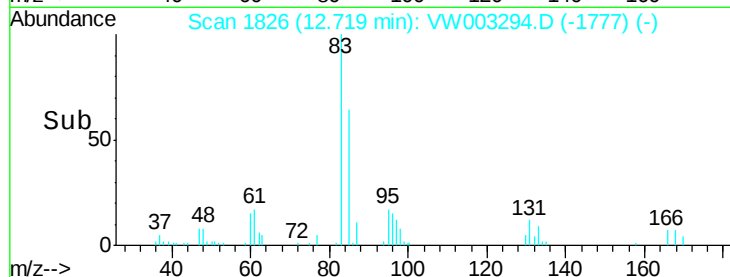
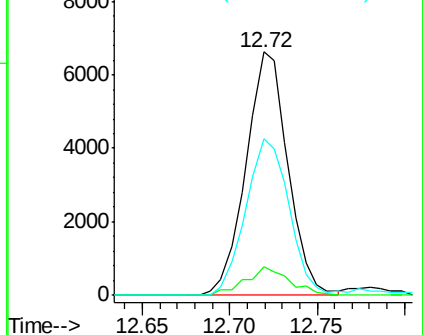
85 66.7 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 9.584 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VW003294.D

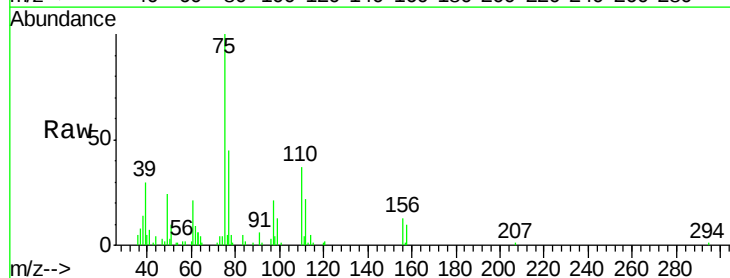
Acq: 15 Jun 2018 16:18

Tgt Ion: 75 Resp: 14978

Ion Ratio Lower Upper

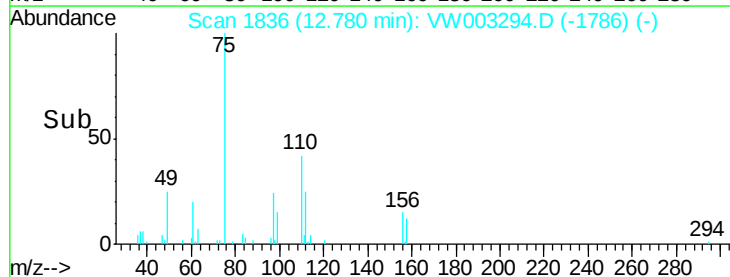
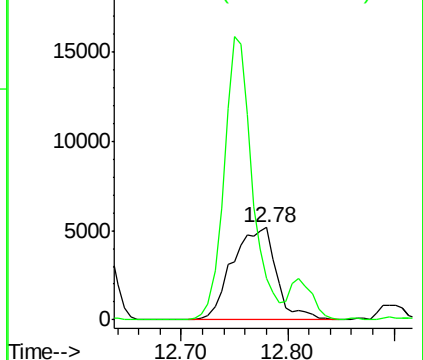
75 100

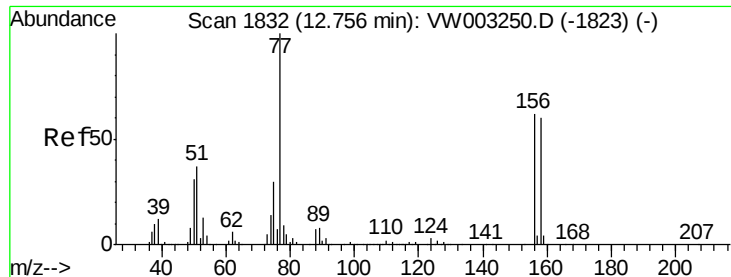
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.359 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

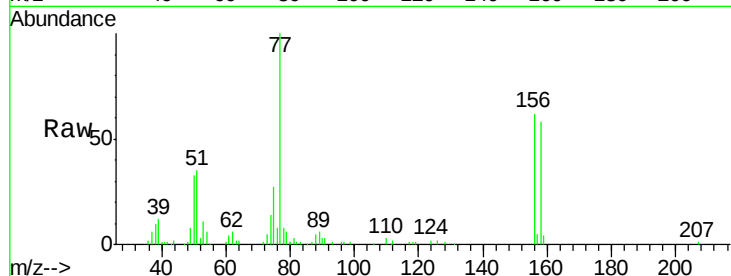
Tot Ion:156 Resp: 15868

Ion Ratio Lower Upper

156 100

77 184.3 92.3 276.9

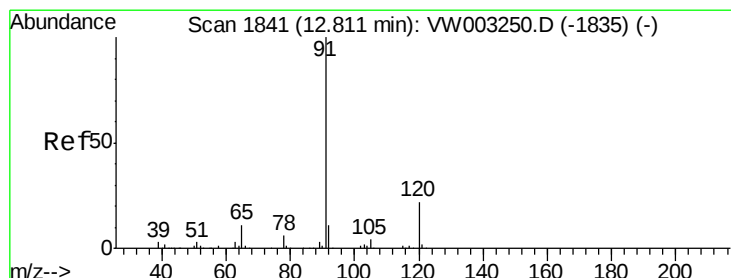
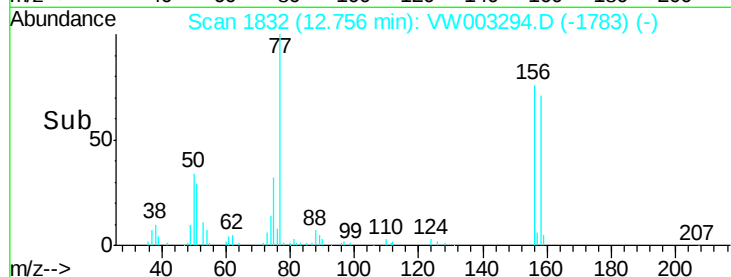
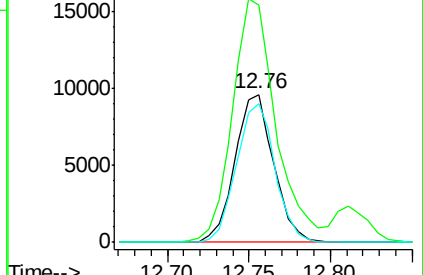
158 93.5 47.5 142.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.846 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003294.D

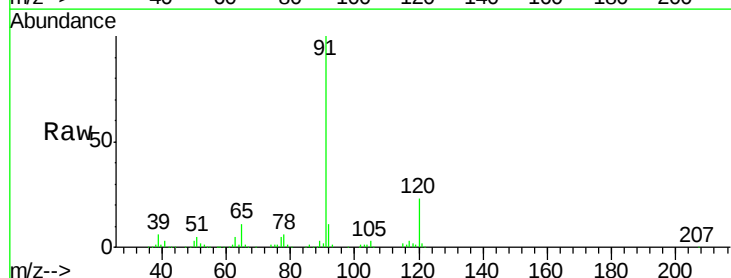
Acq: 15 Jun 2018 16:18

Tgt Ion: 91 Resp: 75444

Ion Ratio Lower Upper

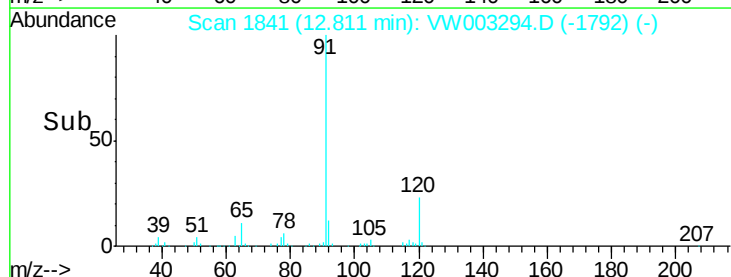
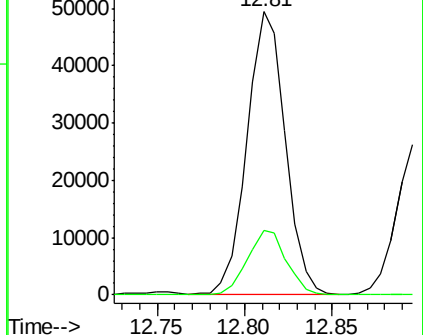
91 100

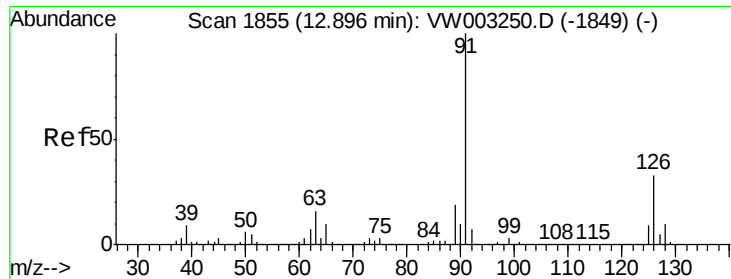
120 23.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

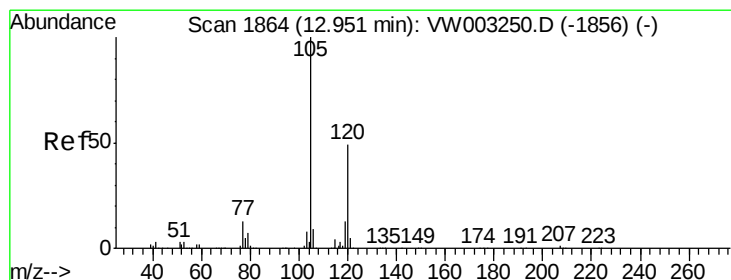
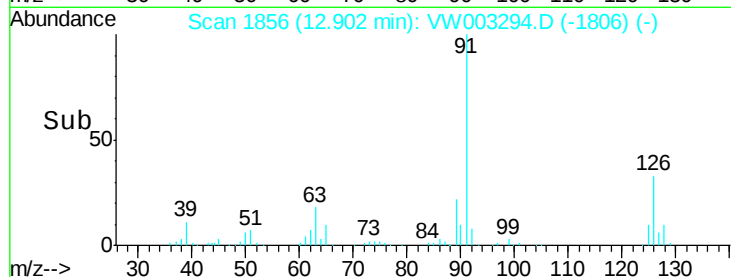
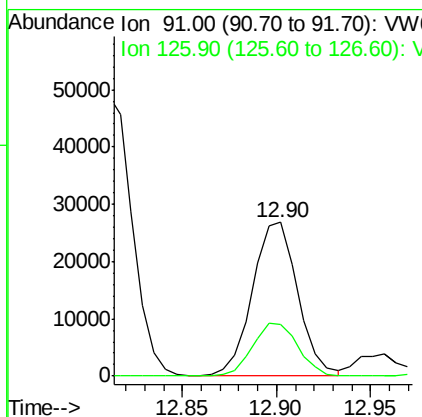
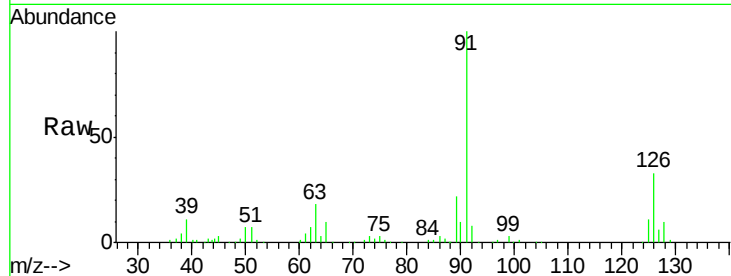




#79
 2-Chlorotoluene
 Concen: 5.069 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

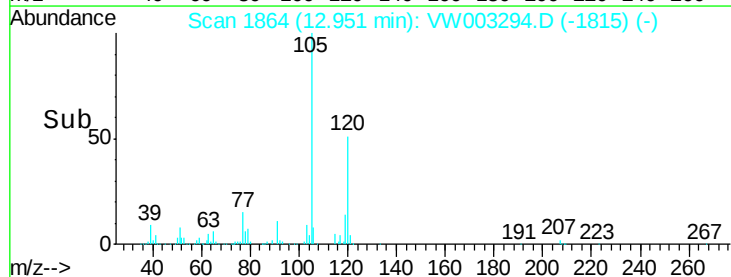
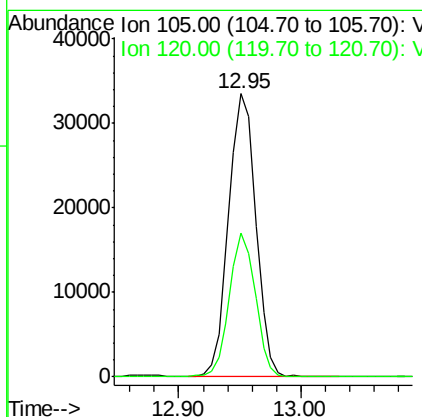
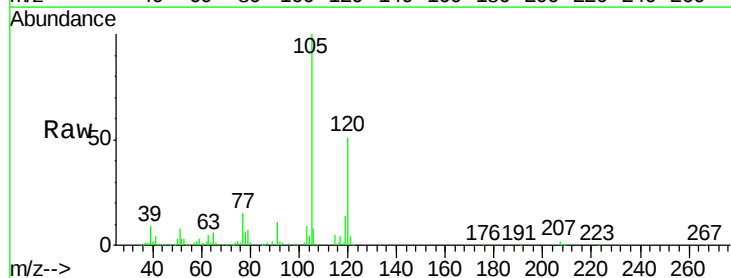
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

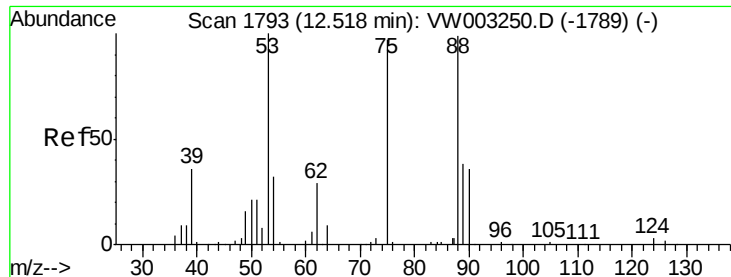
Tot Ion: 91 Resp: 44603
 Ion Ratio Lower Upper
 91 100
 126 34.7 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 4.857 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Tgt Ion: 105 Resp: 51834
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 4.548 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

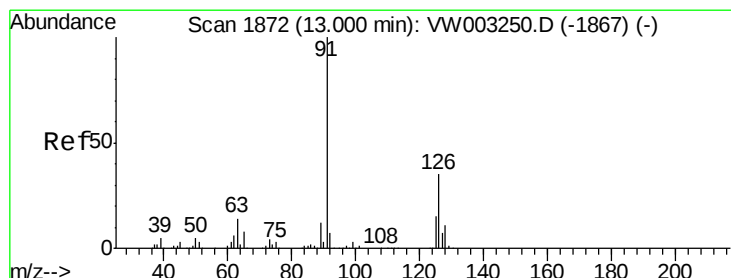
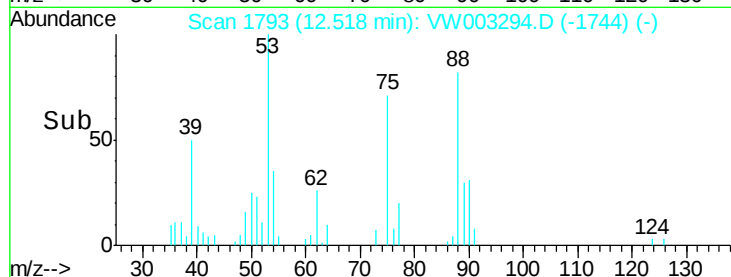
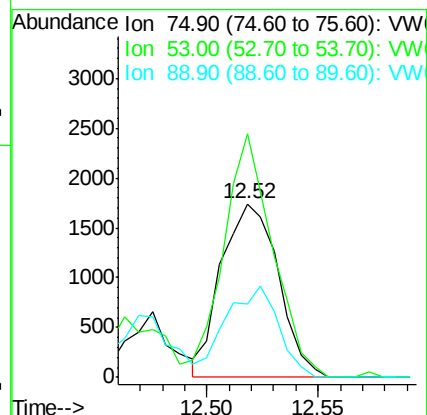
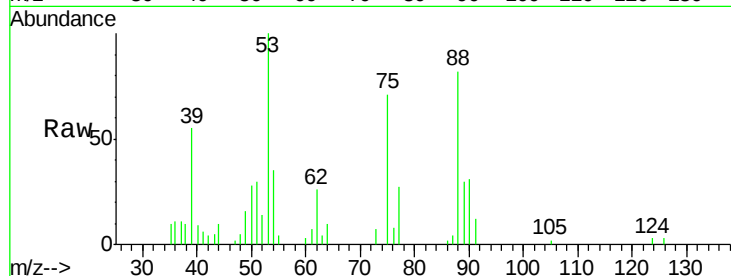
Tot Ion: 75 Resp: 3089

Ion Ratio Lower Upper

75 100

53 121.7 82.9 124.3

89 48.7 36.7 55.1



#82

4-Chlorotoluene

Concen: 5.264 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW003294.D

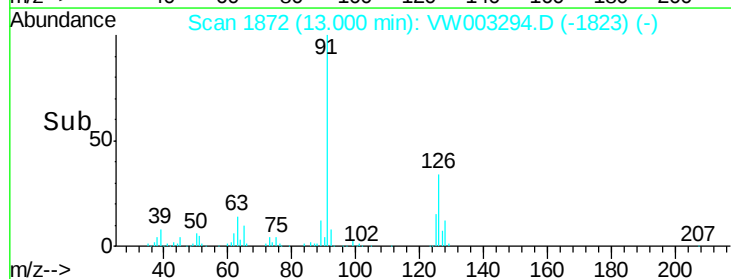
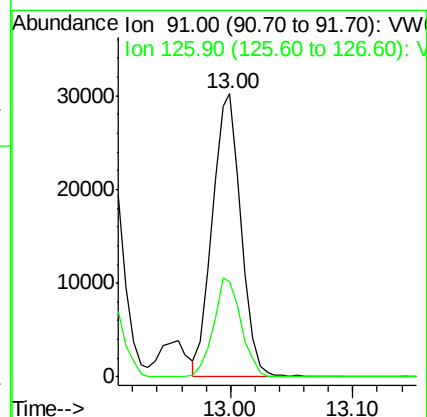
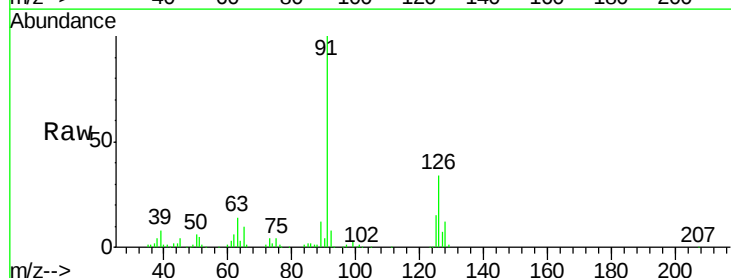
Acq: 15 Jun 2018 16:18

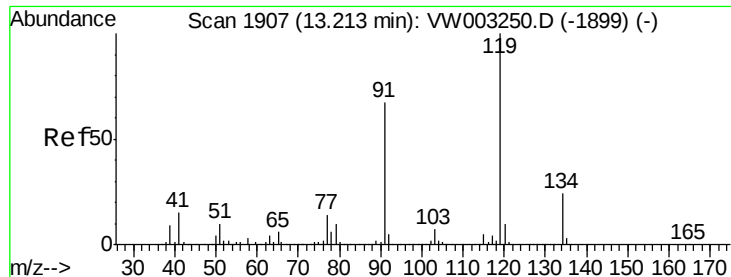
Tgt Ion: 91 Resp: 49134

Ion Ratio Lower Upper

91 100

126 33.8 16.8 50.3





#83

tert-Butylbenzene

Concen: 4.873 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

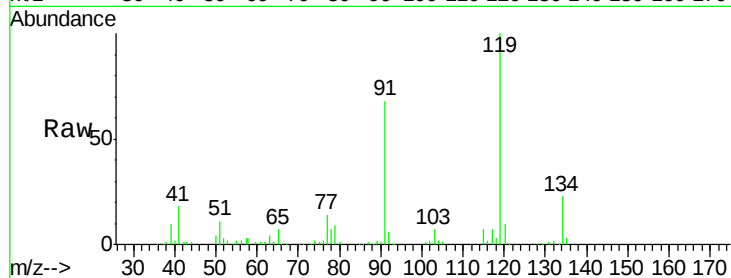
Tot Ion:119 Resp: 44320

Ion Ratio Lower Upper

119 100

91 68.1 33.9 101.7

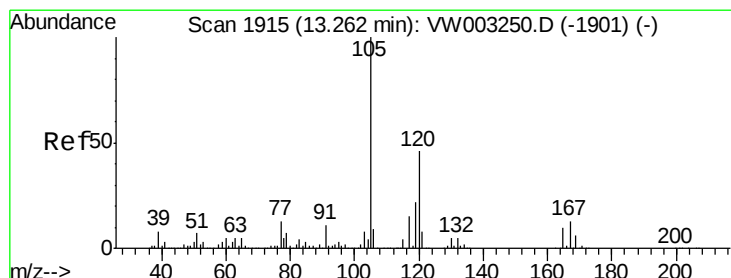
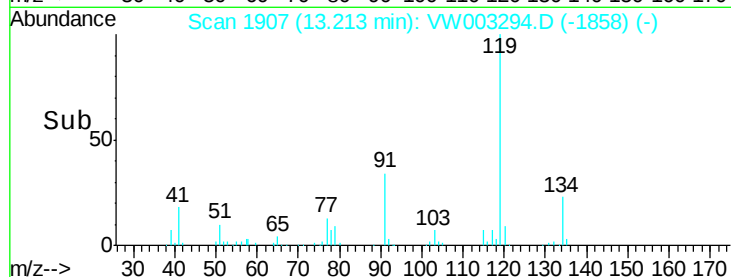
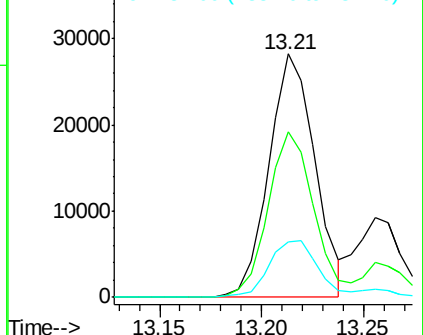
134 24.6 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.892 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW003294.D

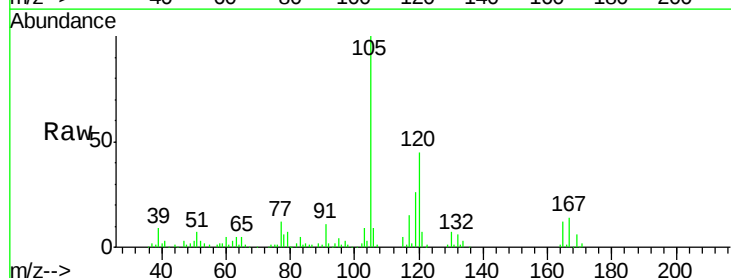
Acq: 15 Jun 2018 16:18

Tgt Ion:105 Resp: 53705

Ion Ratio Lower Upper

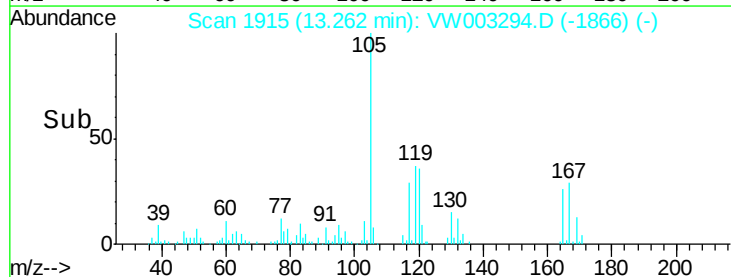
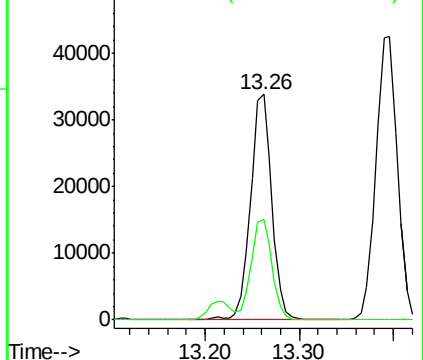
105 100

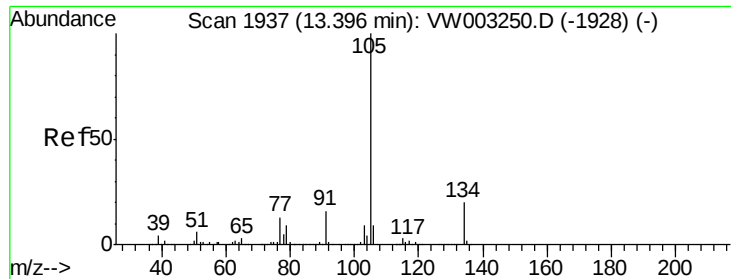
120 44.2 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

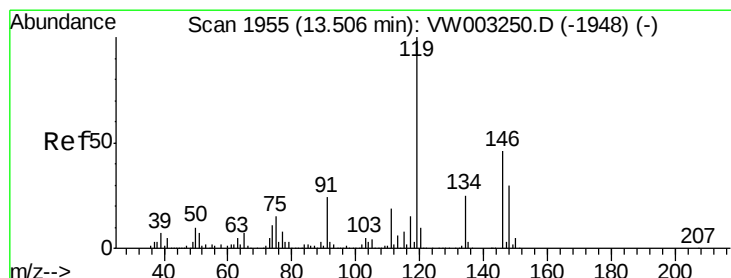
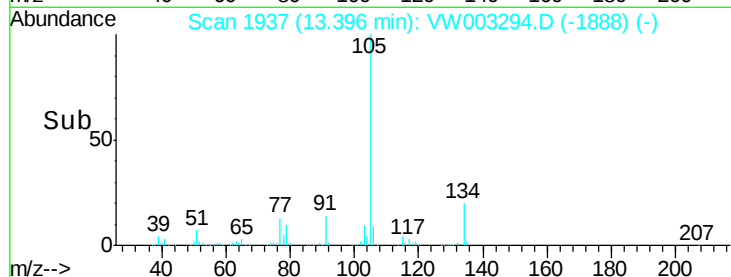
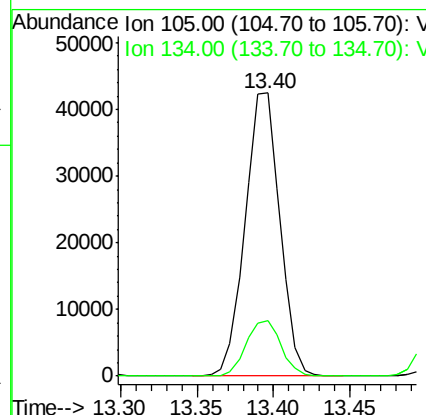
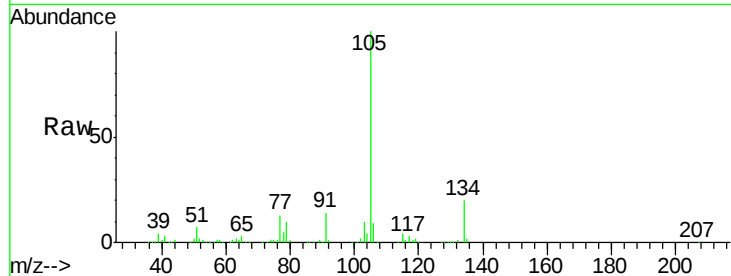




#85
 sec-Butylbenzene
 Concen: 4.954 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

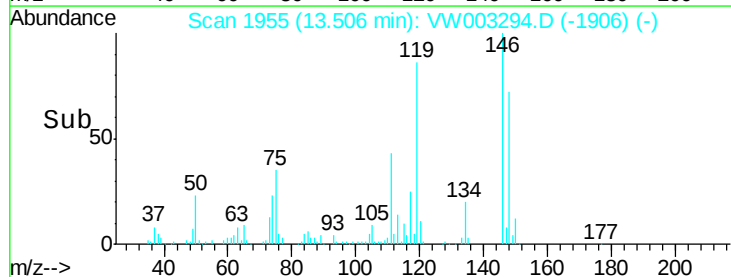
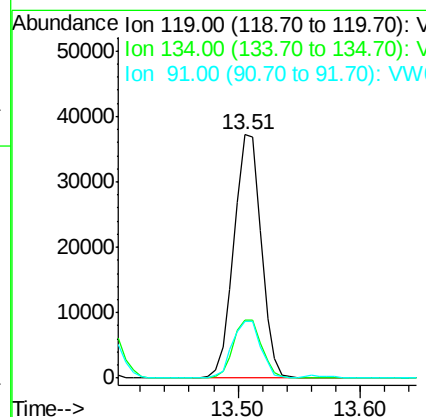
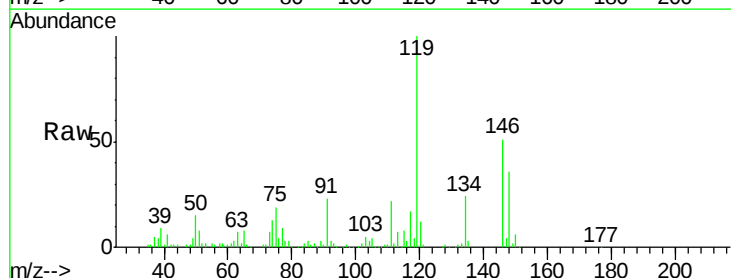
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

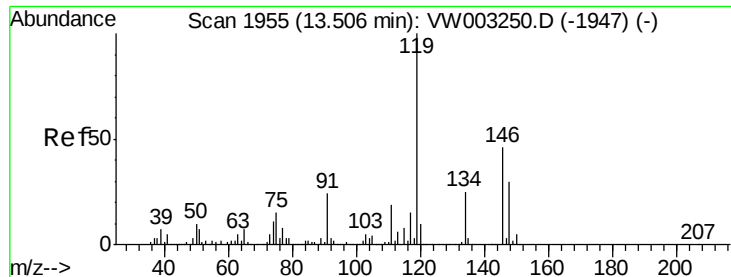
Tot Ion:105 Resp: 66970
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 4.798 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Tgt Ion:119 Resp: 57208
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.9 38.7
 91 24.6 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 5.255 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

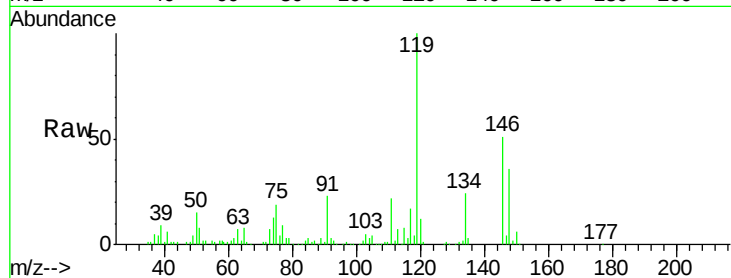
Tot Ion:146 Resp: 31969

Ion Ratio Lower Upper

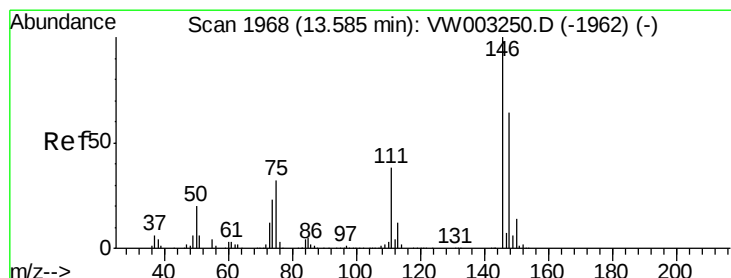
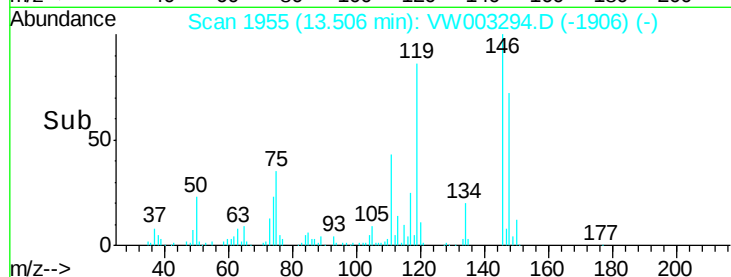
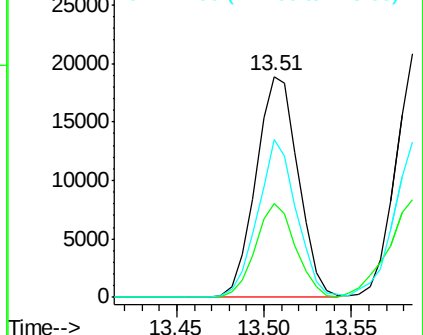
146 100

111 40.3 19.8 59.4

148 65.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 5.547 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

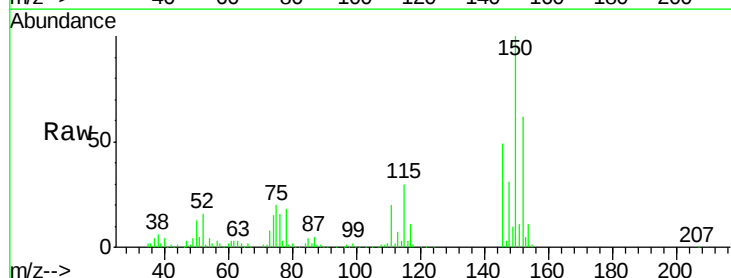
Tgt Ion:146 Resp: 33544

Ion Ratio Lower Upper

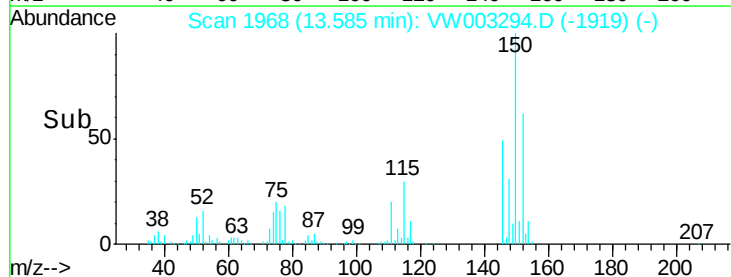
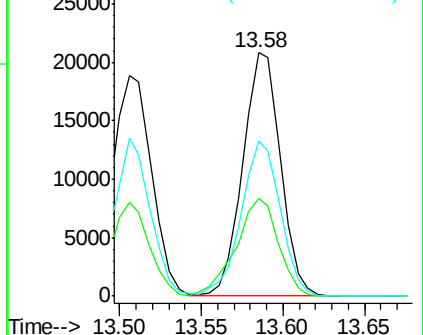
146 100

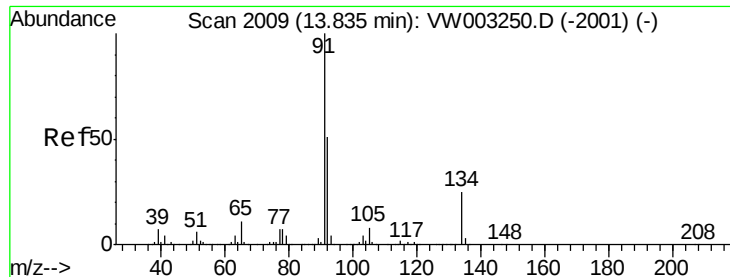
111 45.1 19.2 57.6

148 66.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

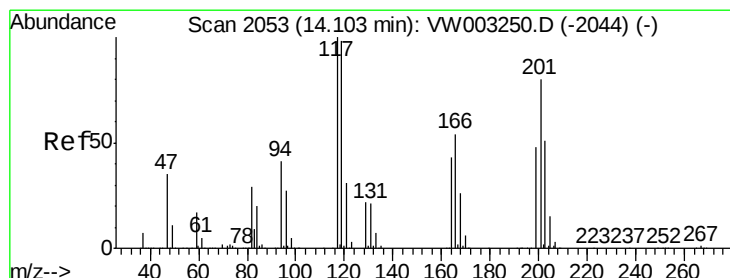
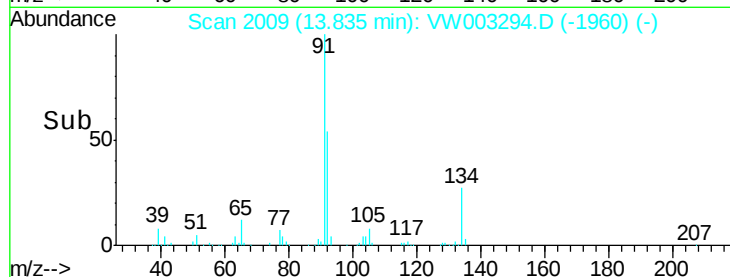
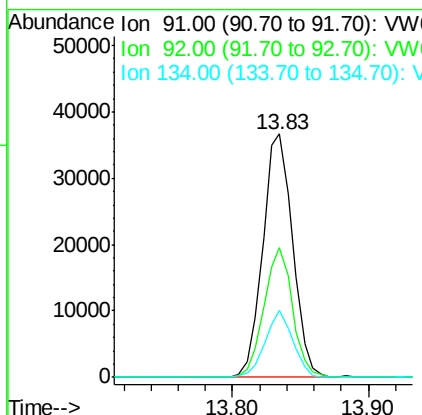
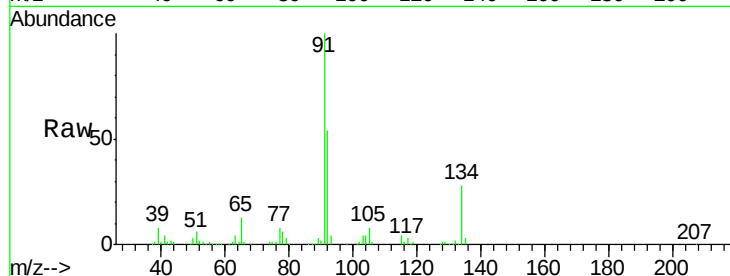




#89
n-Butylbenzene
Concen: 4.858 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

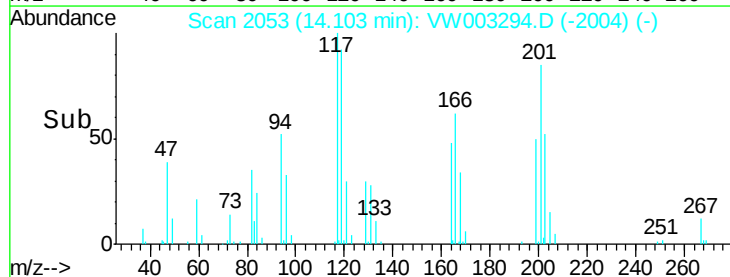
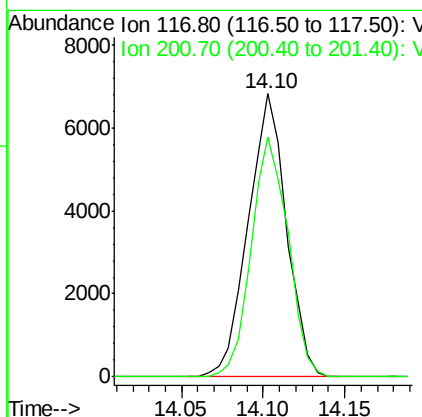
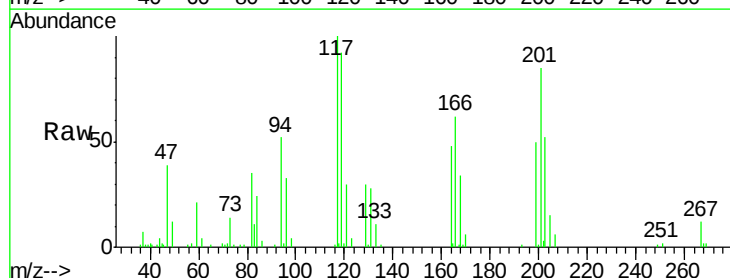
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SCM-Precision-Bias-1

Tot Ion: 91 Resp: 56462
Ion Ratio Lower Upper
91 100
92 50.9 26.0 78.0
134 25.7 12.7 38.0



#90
Hexachloroethane
Concen: 5.151 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003294.D
Acq: 15 Jun 2018 16:18

Tgt Ion: 117 Resp: 11112
Ion Ratio Lower Upper
117 100
201 81.3 39.5 118.5

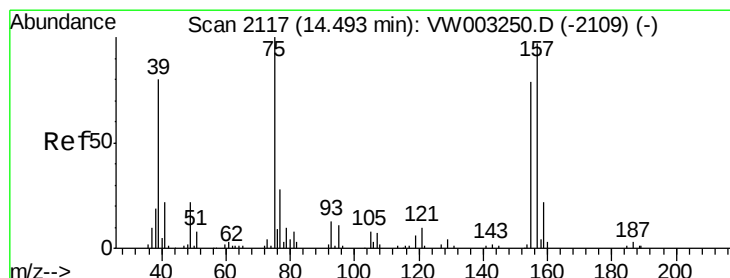
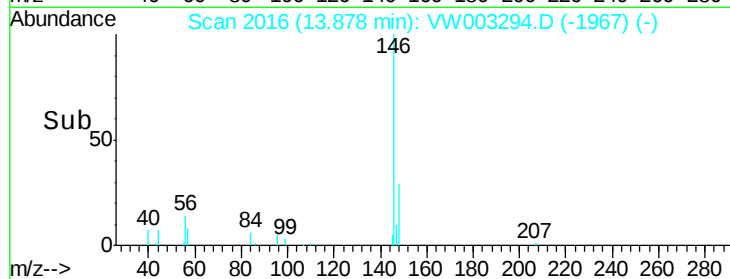
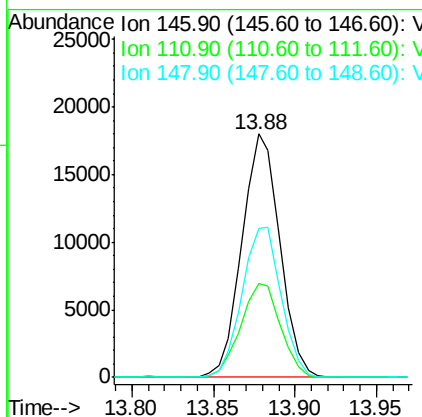
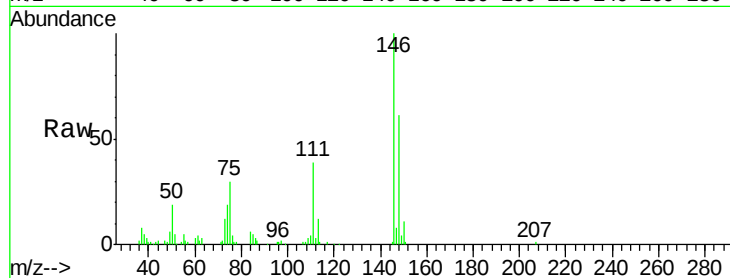




#91
 1,2-Dichlorobenzene
 Concen: 5.466 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

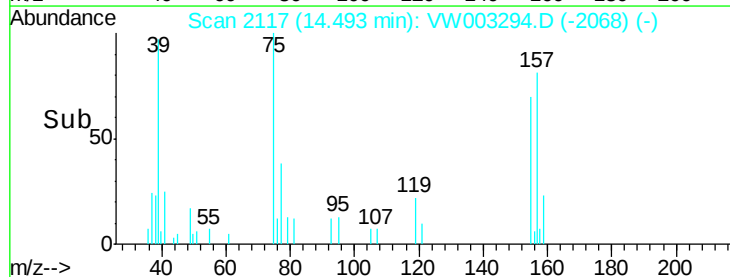
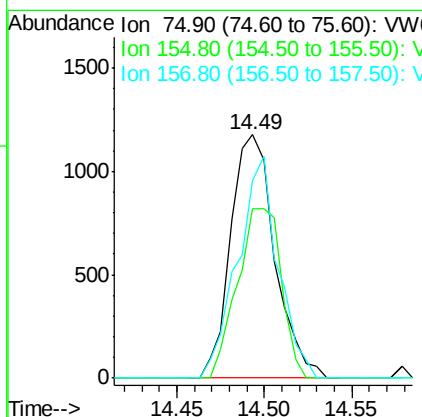
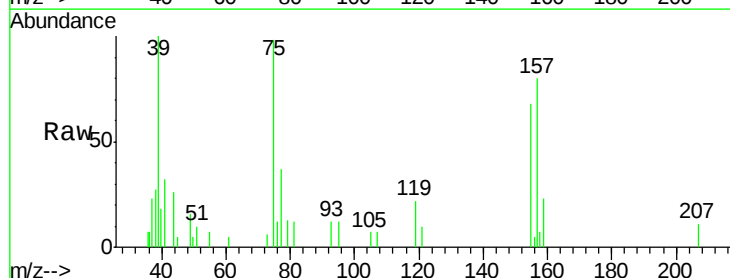
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

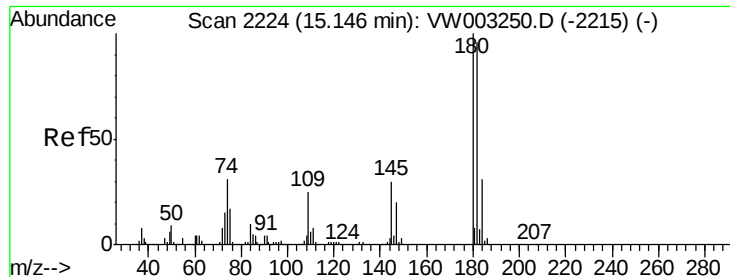
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	63.4	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.718 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.0	39.4	118.2
157	83.3	51.5	154.5

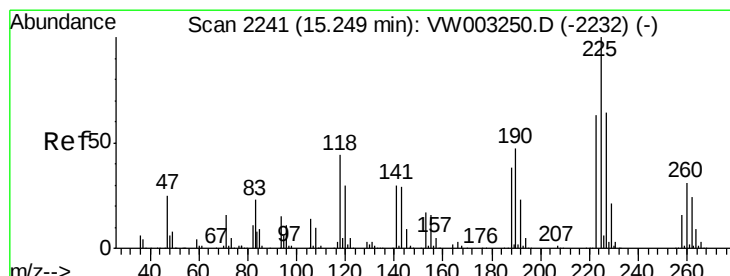
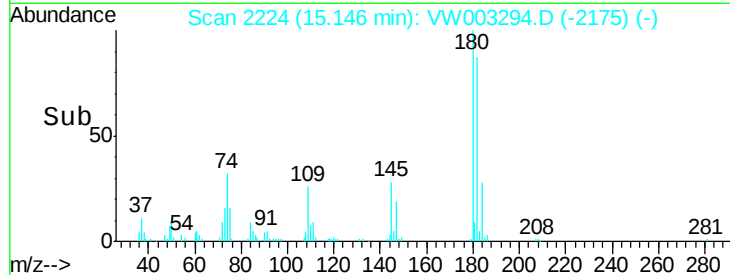
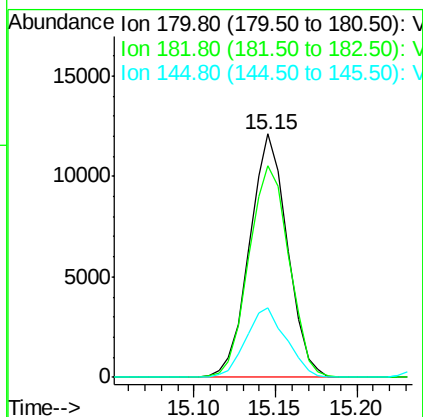
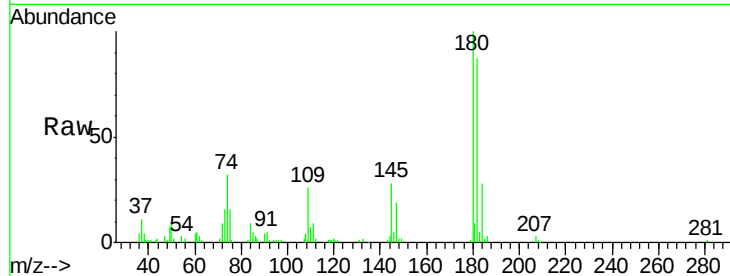




#93
 1,2,4-Trichlorobenzene
 Concen: 5.213 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

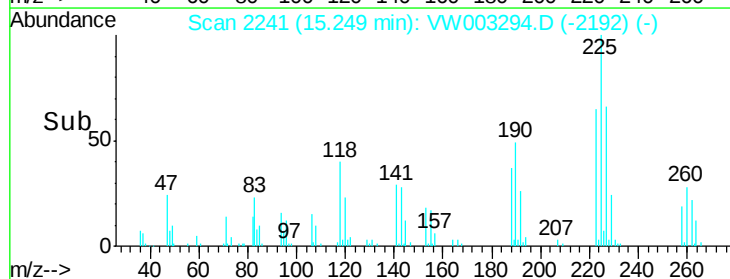
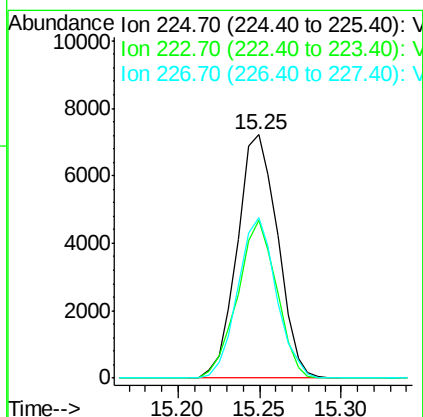
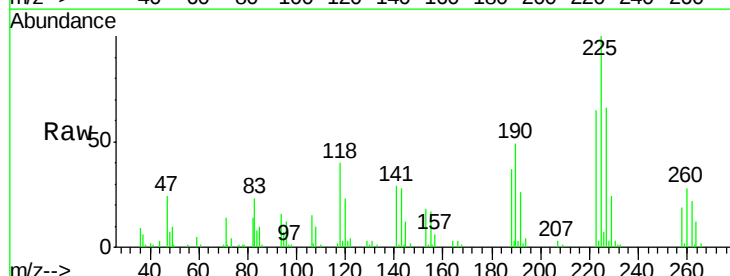
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

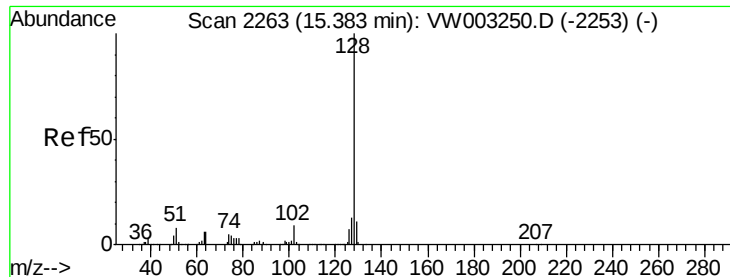
Tot Ion:180 Resp: 19502
 Ion Ratio Lower Upper
 180 100
 182 92.2 47.9 143.6
 145 30.4 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 5.551 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003294.D
 Acq: 15 Jun 2018 16:18

Tgt Ion:225 Resp: 12492
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.6 92.0
 227 62.8 31.7 95.1





#95

Naphthalene

Concen: 4.615 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SCM-Precision-Bias-1

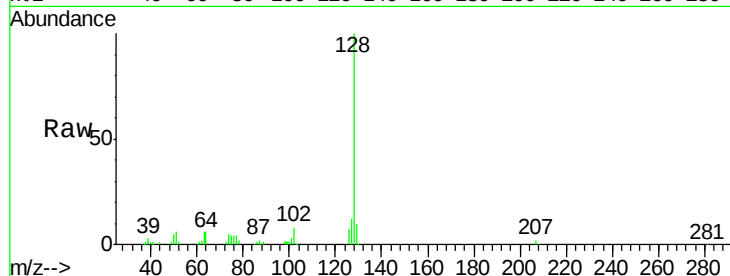
Tot Ion:128 Resp: 29287

Ion Ratio Lower Upper

128 100

127 14.5 10.5 15.7

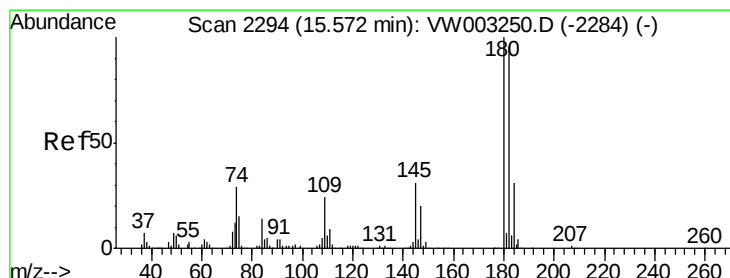
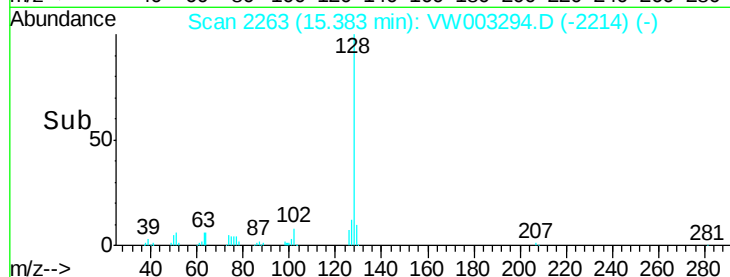
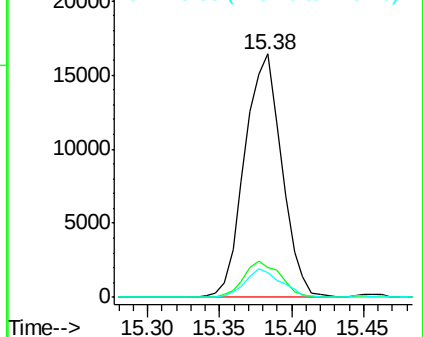
129 11.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.173 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003294.D

Acq: 15 Jun 2018 16:18

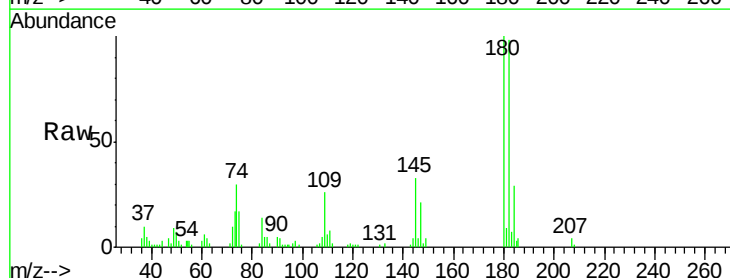
Tgt Ion:180 Resp: 17033

Ion Ratio Lower Upper

180 100

182 97.2 47.9 143.6

145 33.6 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

