

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006196.D
 Acq On : 19 Oct 2018 01:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 19 06:07:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	374011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	194700	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	109477	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	7.88	113	111030	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	10.33	98	419167	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.62	95	159155	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	66250	52.300	ug/l	98
3) Chloromethane	2.21	50	80855	49.587	ug/l	97
4) Vinyl Chloride	2.37	62	120599	51.790	ug/l	98
5) Bromomethane	2.79	94	108647	51.298	ug/l	100
6) Chloroethane	2.93	64	86233	51.675	ug/l	96
7) Trichlorofluoromethane	3.26	101	104799	48.311	ug/l	99
8) Diethyl Ether	3.68	74	58967	51.148	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119201	52.434	ug/l	98
10) Methyl Iodide	4.27	142	209078	55.256	ug/l	100
11) Tert butyl alcohol	5.23	59	35824	250.995	ug/l	99
12) 1,1-Dichloroethene	4.04	96	114176	53.383	ug/l	96
13) Acrolein	3.90	56	34733	251.491	ug/l	98
14) Allyl chloride	4.67	41	160344	52.432	ug/l	100
15) Acrylonitrile	5.38	53	112275	271.517	ug/l	99
16) Acetone	4.14	43	93333	233.442	ug/l	100
17) Carbon Disulfide	4.38	76	321599	49.822	ug/l	100
18) Methyl Acetate	4.68	43	57472	53.813	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	176527	54.190	ug/l	100
20) Methylene Chloride	4.91	84	124041	55.415	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	130546	54.683	ug/l	98
22) Diisopropyl ether	6.32	45	331973	54.932	ug/l	99
23) Vinyl Acetate	6.26	43	935857	262.403	ug/l	100
24) 1,1-Dichloroethane	6.22	63	216523	55.526	ug/l	99
25) 2-Butanone	7.18	43	142372	248.333	ug/l	99
26) 2,2-Dichloropropane	7.17	77	130223	47.348	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	145782	55.336	ug/l	99
28) Bromochloromethane	7.51	49	83385	55.389	ug/l	98
29) Tetrahydrofuran	7.54	42	91778	260.436	ug/l	98
30) Chloroform	7.68	83	235947	55.536	ug/l	99
31) Cyclohexane	7.96	56	187262	48.222	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	203762	53.168	ug/l	99
36) 1,1-Dichloropropene	8.09	75	182827	53.034	ug/l	100
37) Ethyl Acetate	7.26	43	65483	51.126	ug/l	99
38) Carbon Tetrachloride	8.07	117	193202	51.123	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	230921	50.392	ug/l	98
40) Benzene	8.32	78	511873	54.130	ug/l	99
41) Methacrylonitrile	7.49	41	38274	49.570	ug/l	92
42) 1,2-Dichloroethane	8.40	62	152454	54.874	ug/l	100
43) Isopropyl Acetate	8.43	43	131933	50.379	ug/l	99
44) Trichloroethene	9.09	130	156230	53.850	ug/l	100
45) 1,2-Dichloropropane	9.37	63	121710	53.787	ug/l	99
46) Dibromomethane	9.46	93	70346	54.544	ug/l	99
47) Bromodichloromethane	9.65	83	167122	53.448	ug/l	99
48) Methyl methacrylate	9.44	41	64770	52.177	ug/l	96
49) 1,4-Dioxane	9.48	88	21792	1097.582	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	336614	256.541	ug/l	98
52) Toluene	10.39	92	342462	54.018	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	159394	51.164	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	187306	52.387	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97097	53.799	ug/l	98
56) Ethyl methacrylate	10.65	69	119557	54.036	ug/l	97
57) 1,3-Dichloropropane	10.94	76	161812	54.160	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	207384	245.299	ug/l	98
59) 2-Hexanone	10.98	43	232399	248.120	ug/l	98
60) Dibromochloromethane	11.13	129	119361	53.095	ug/l	99
61) 1,2-Dibromoethane	11.24	107	97916	54.297	ug/l	100
64) Tetrachloroethene	10.87	164	146753	54.786	ug/l	99
65) Chlorobenzene	11.66	112	396283	53.649	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	140040	53.348	ug/l	99
67) Ethyl Benzene	11.74	91	689938	53.897	ug/l	99
68) m/p-Xylenes	11.85	106	543718	107.462	ug/l	99
69) o-Xylene	12.17	106	259447	53.805	ug/l	100
70) Styrene	12.18	104	428730	54.676	ug/l	100
71) Bromoform	12.35	173	74043	50.570	ug/l #	99
73) Isopropylbenzene	12.47	105	725982	52.780	ug/l	100
74) N-amyl acetate	12.28	43	135650	50.775	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	110689	52.909	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	142557	95.861	ug/l #	100
77) Bromobenzene	12.75	156	181835	53.972	ug/l	99
78) n-propylbenzene	12.81	91	845388	52.828	ug/l	100
79) 2-Chlorotoluene	12.90	91	479763	53.359	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	615730	53.100	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	28069	45.118	ug/l	95
82) 4-Chlorotoluene	12.99	91	507167	53.847	ug/l	100
83) tert-Butylbenzene	13.21	119	551973	53.204	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	631114	53.786	ug/l	99
85) sec-Butylbenzene	13.39	105	771495	52.638	ug/l	100
86) p-Isopropyltoluene	13.51	119	701672	52.928	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	362150	54.012	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	356975	53.472	ug/l	99
89) n-Butylbenzene	13.83	91	633173	52.225	ug/l	100
90) Hexachloroethane	14.10	117	112382	50.047	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	322005	53.840	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18388	49.091	ug/l	95

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QLast Update : Thu Oct 18 17:01:24 2018
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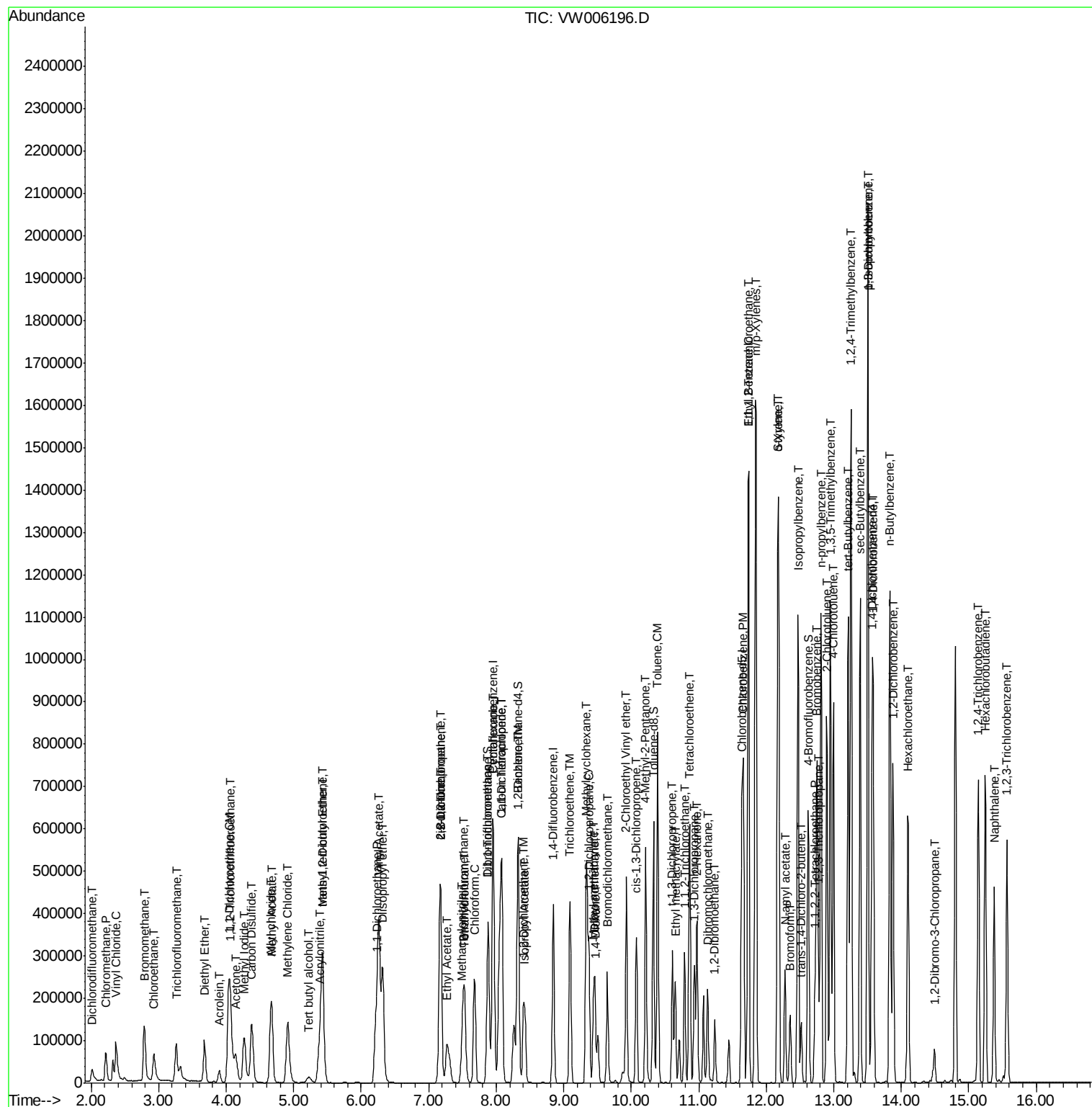
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	243841	52.987	ug/l	99
94) Hexachlorobutadiene	15.24	225	152107	52.617	ug/l	99
95) Naphthalene	15.38	128	409174	53.450	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	213002	53.513	ug/l	99

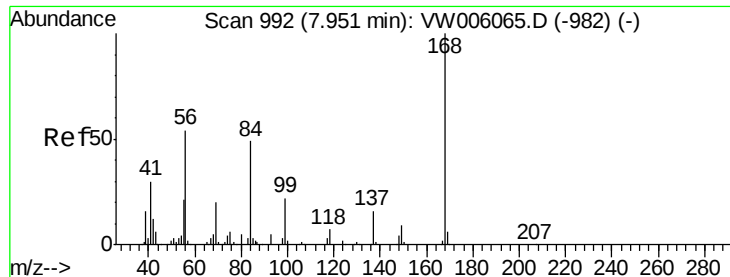
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

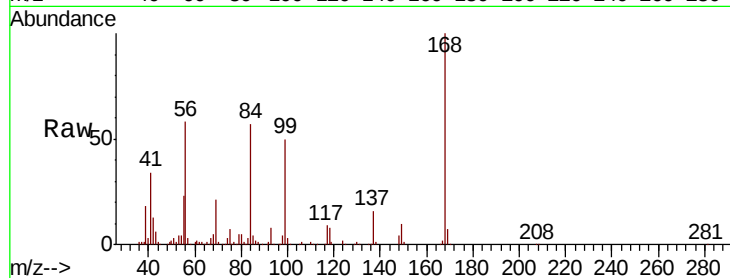
VSTDCCC050

Tot Ion:168 Resp: 255979

Ion Ratio Lower Upper

168 100

99 50.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

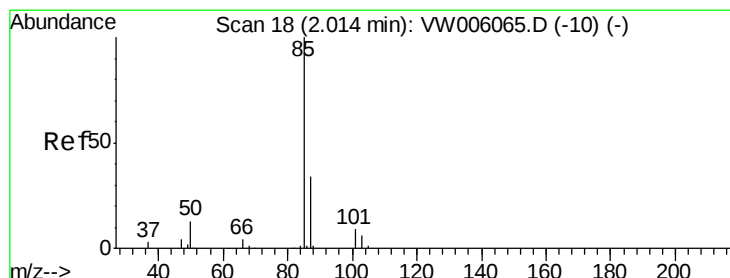
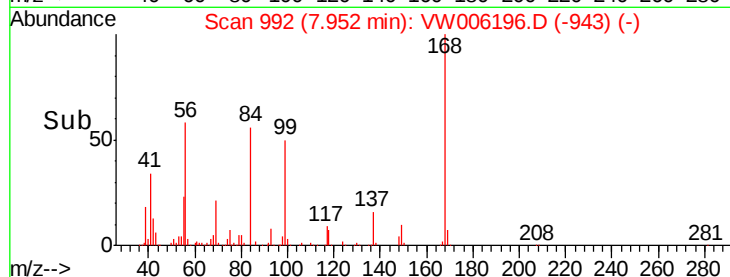
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.300 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006196.D

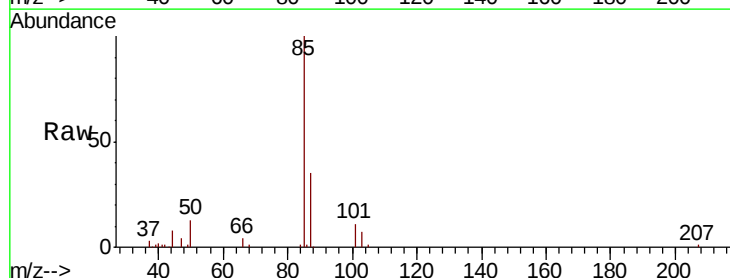
Acq: 19 Oct 2018 01:46

Tgt Ion: 85 Resp: 66250

Ion Ratio Lower Upper

85 100

87 34.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

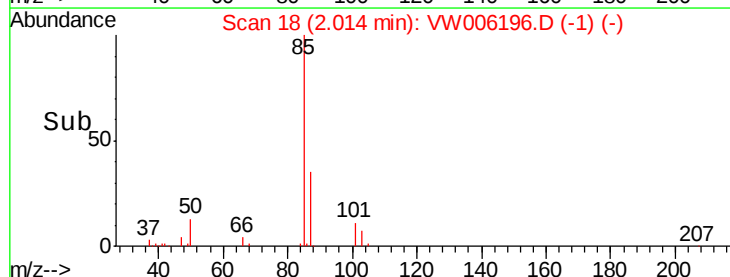
15000

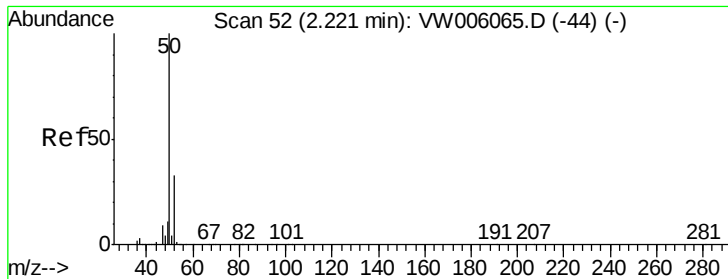
10000

5000

0

Time-->





#3

Chloromethane

Concen: 49.587 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

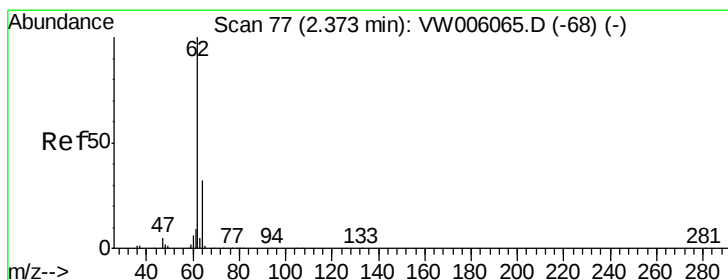
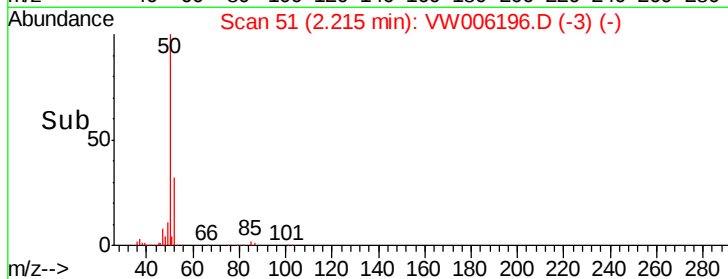
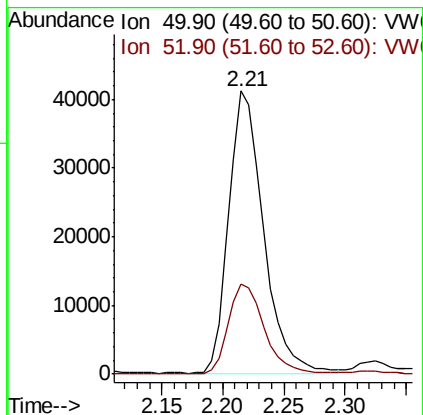
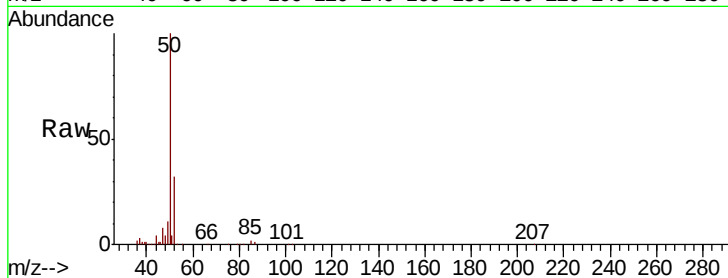
VSTDCCC050

Tot Ion: 50 Resp: 80855

Ion Ratio Lower Upper

50 100

52 31.8 26.8 40.2



#4

Vinyl Chloride

Concen: 51.790 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006196.D

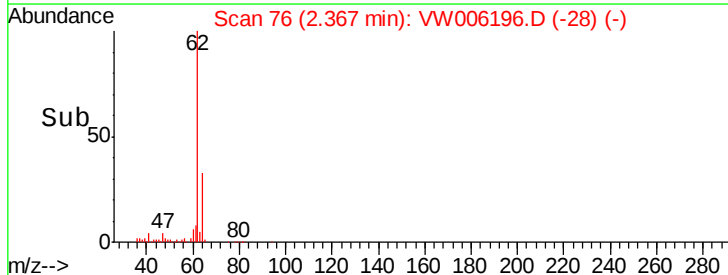
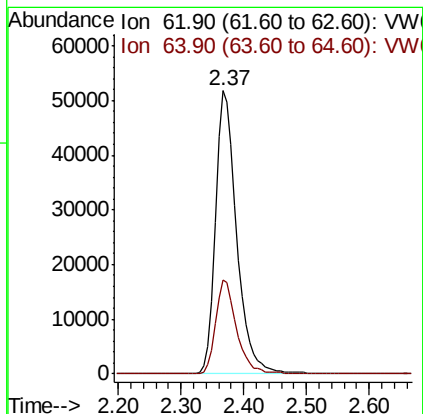
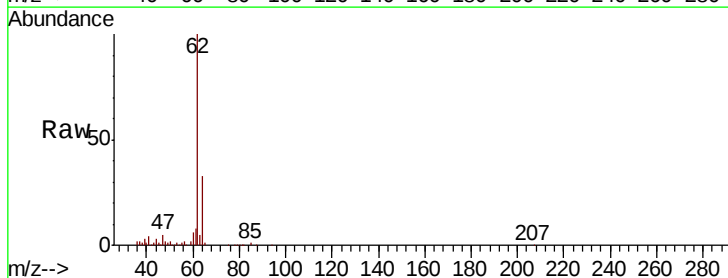
Acq: 19 Oct 2018 01:46

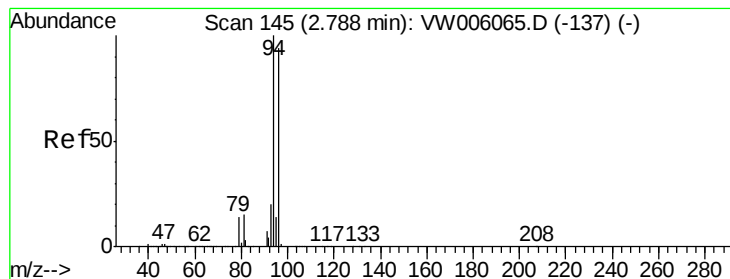
Tgt Ion: 62 Resp: 120599

Ion Ratio Lower Upper

62 100

64 33.4 25.9 38.9





#5

Bromomethane

Concen: 51.298 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

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ClientSampleId :

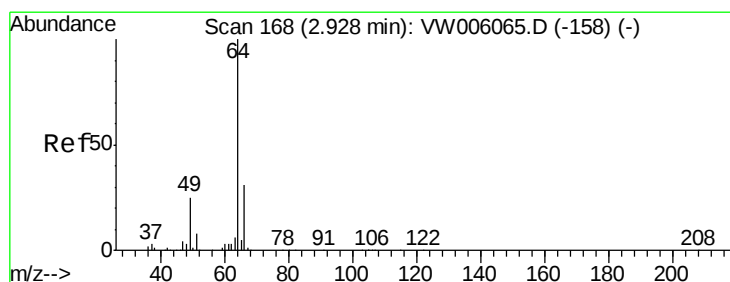
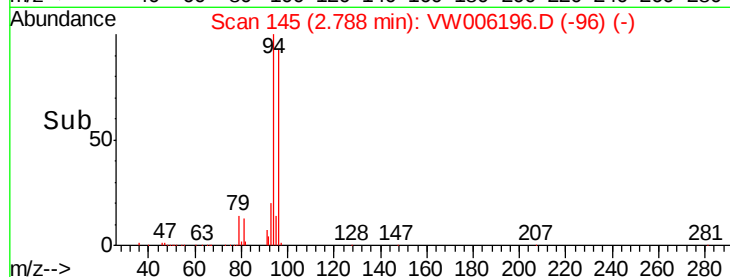
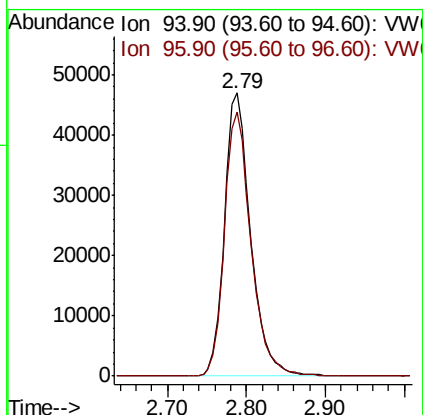
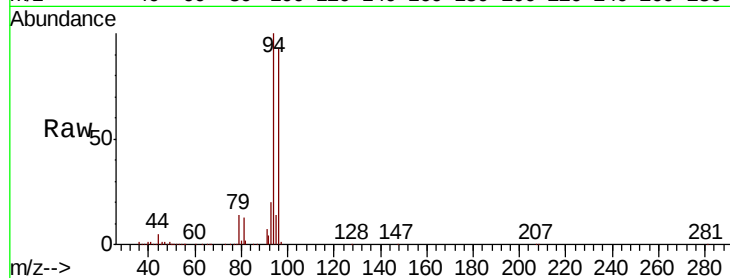
VSTDCCC050

Tot Ion: 94 Resp: 108647

Ion Ratio Lower Upper

94 100

96 93.1 74.9 112.3



#6

Chloroethane

Concen: 51.675 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006196.D

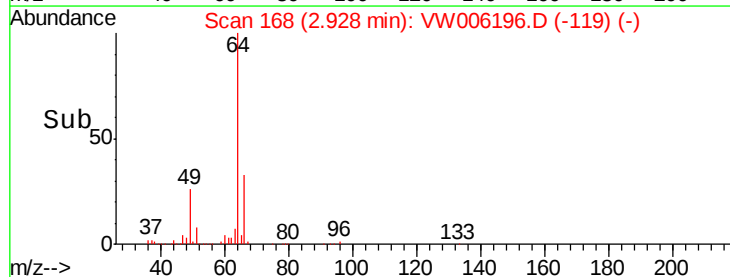
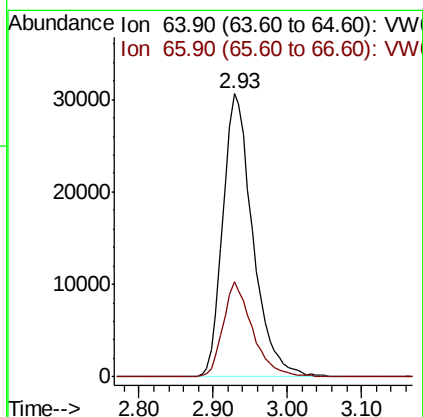
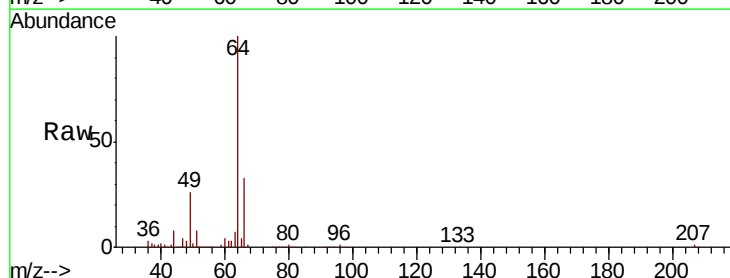
Acq: 19 Oct 2018 01:46

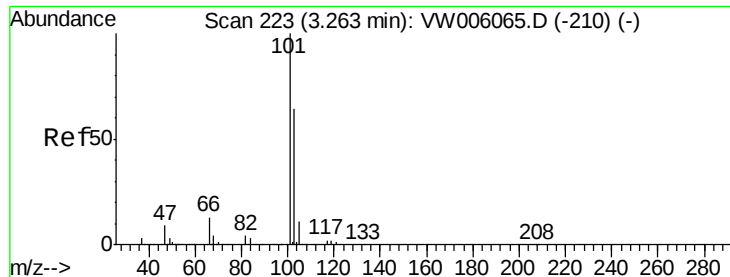
Tgt Ion: 64 Resp: 86233

Ion Ratio Lower Upper

64 100

66 33.5 24.9 37.3



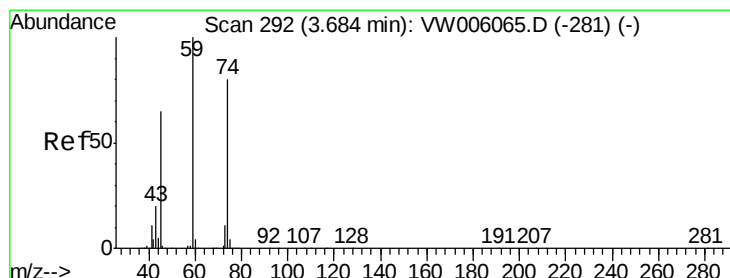
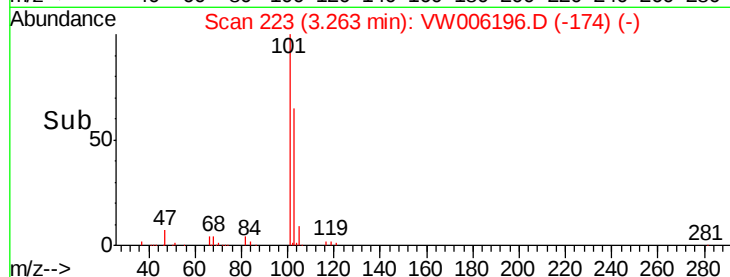
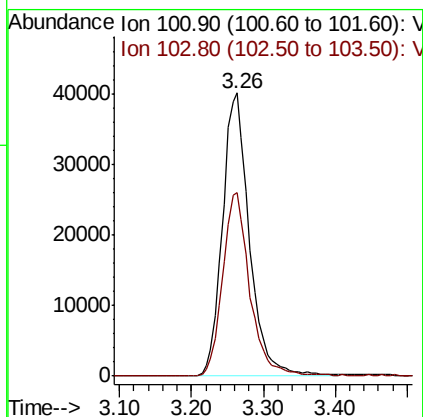
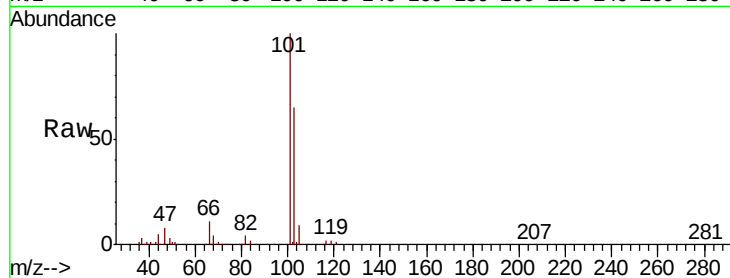


#7

Trichlorofluoromethane
 Concen: 48.311 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

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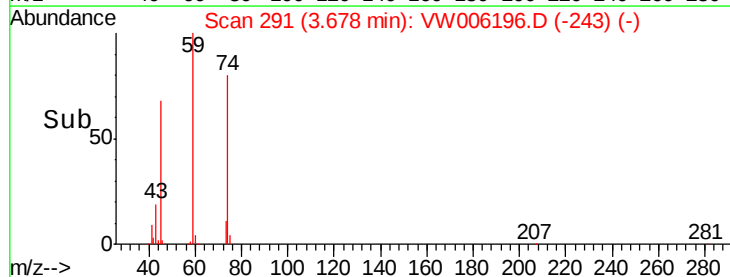
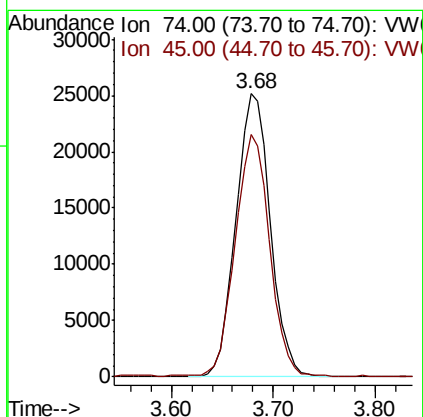
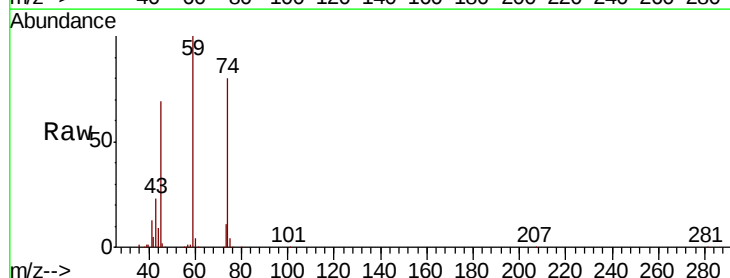
Tot Ion:101 Resp: 104799
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.2 76.8

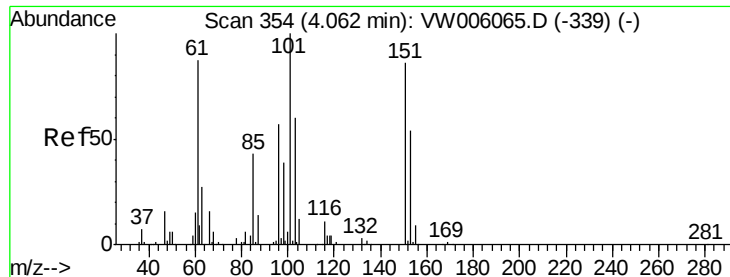


#8

Diethyl Ether
 Concen: 51.148 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Tgt Ion: 74 Resp: 58967
 Ion Ratio Lower Upper
 74 100
 45 86.5 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.434 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

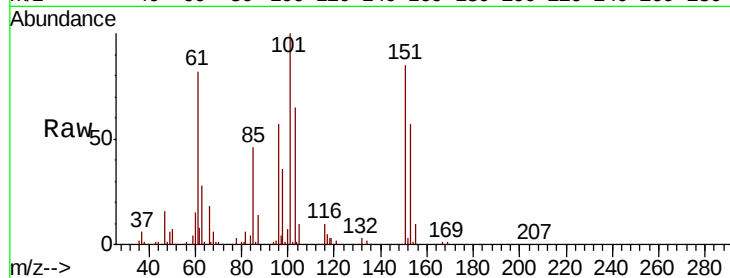
Tot Ion:101 Resp: 119201

Ion Ratio Lower Upper

101 100

85 42.6 34.9 52.3

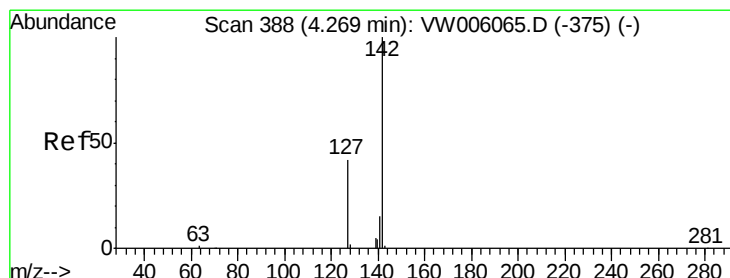
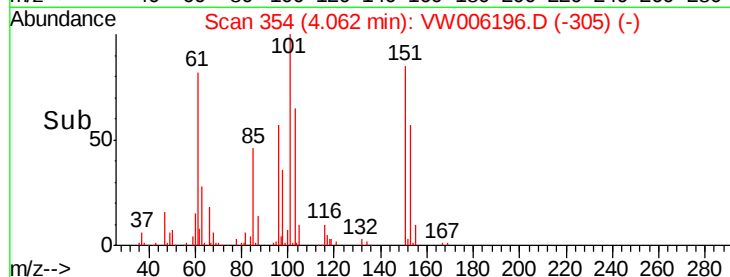
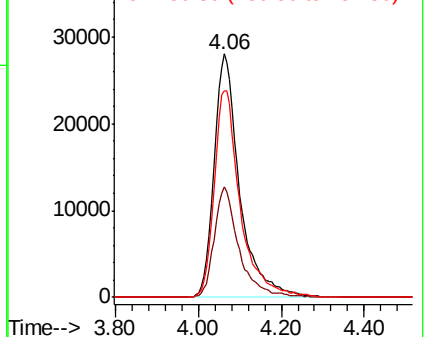
151 86.1 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.256 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

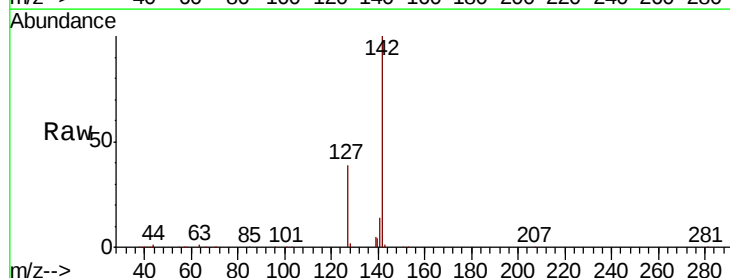
Tgt Ion:142 Resp: 209078

Ion Ratio Lower Upper

142 100

127 42.3 33.6 50.4

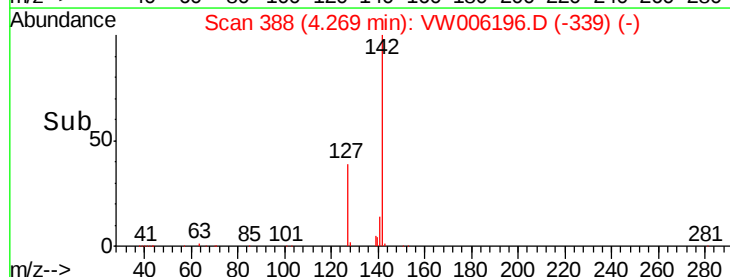
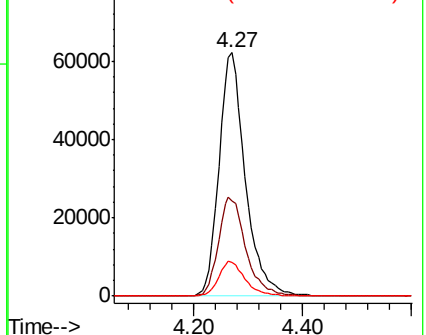
141 14.4 11.6 17.4

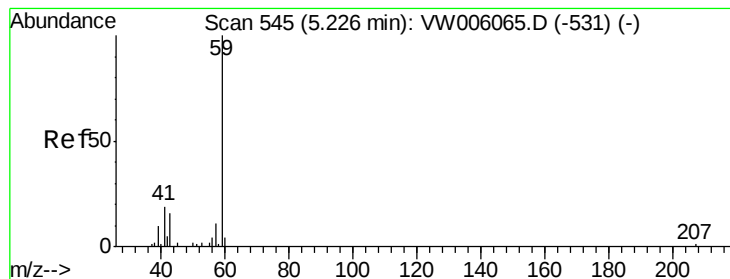


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



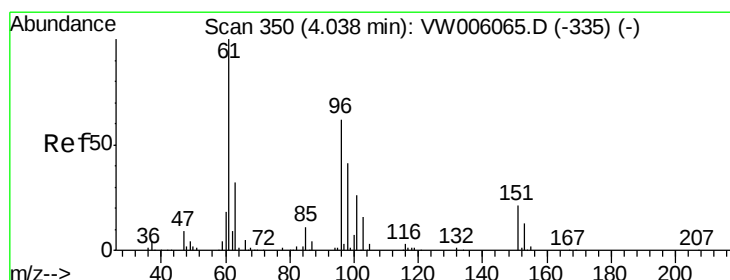
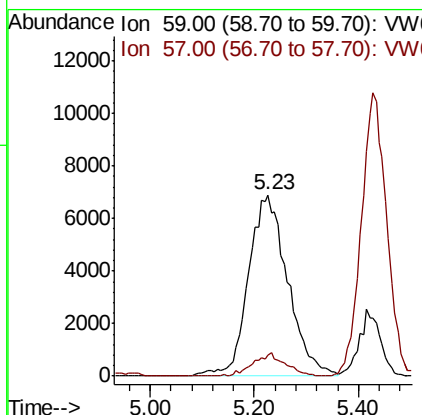
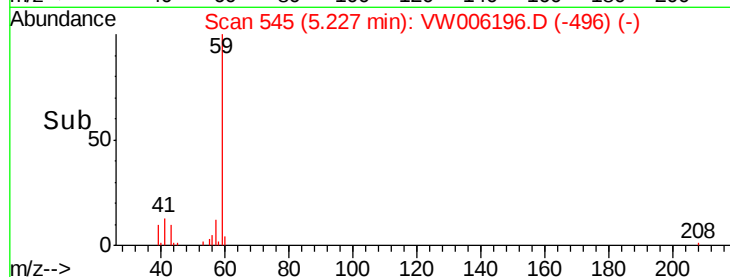
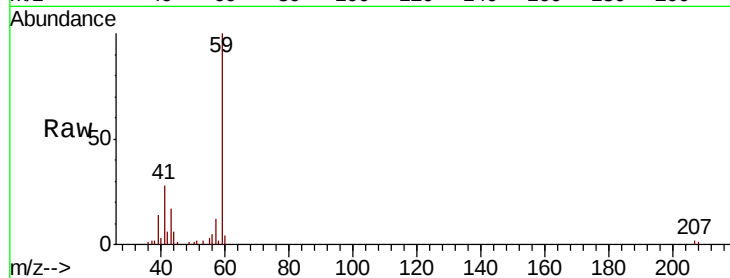


#11

Tert butyl alcohol
 Concen: 250.995 ug/l
 RT: 5.23 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

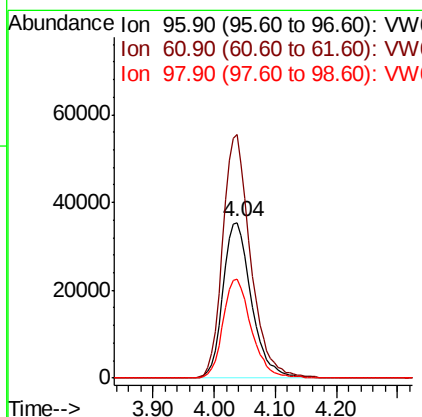
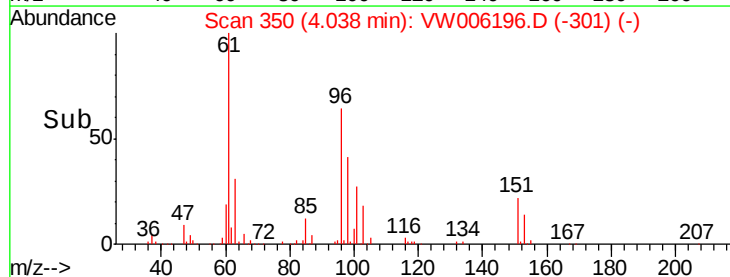
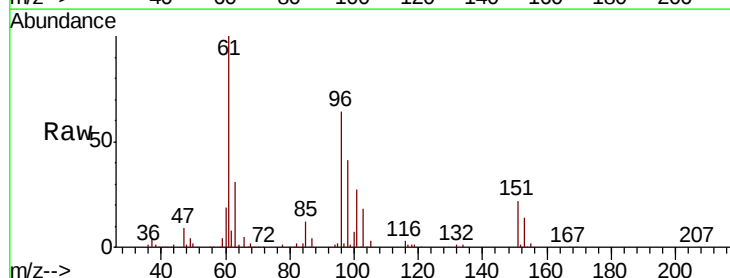
Tot Ion: 59 Resp: 35824
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.7 13.1

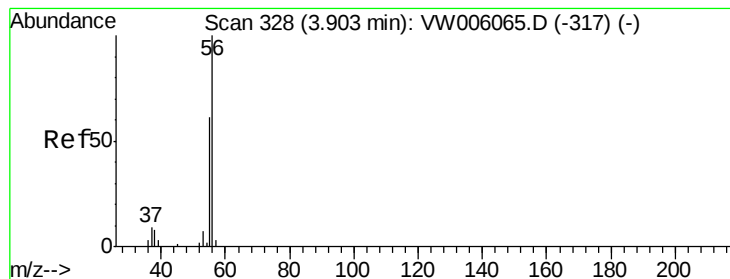


#12

1,1-Dichloroethene
 Concen: 53.383 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Tgt Ion: 96 Resp: 114176
 Ion Ratio Lower Upper
 96 100
 61 156.2 129.3 193.9
 98 63.6 53.1 79.7





#13

Acrolein

Concen: 251.491 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

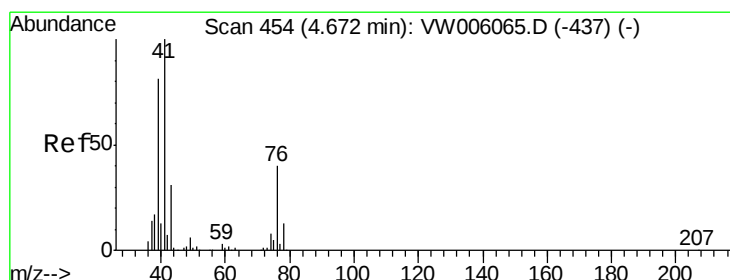
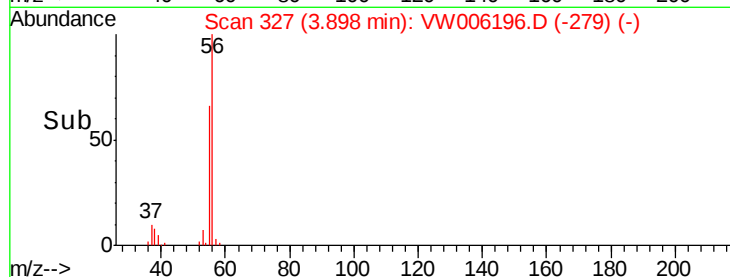
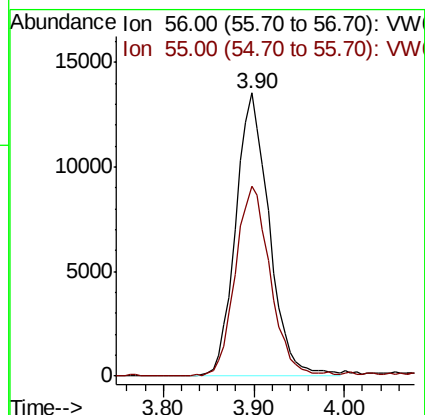
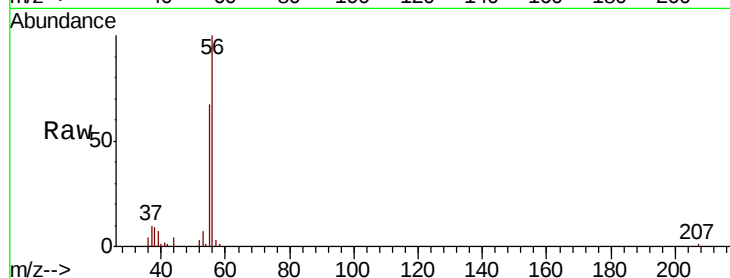
VSTDCCC050

Tot Ion: 56 Resp: 34733

Ion Ratio Lower Upper

56 100

55 69.7 54.5 81.7



#14

Allyl chloride

Concen: 52.432 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

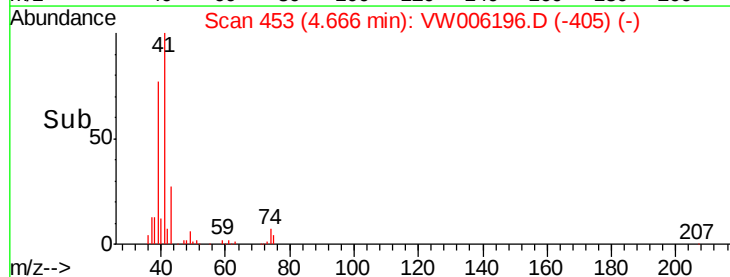
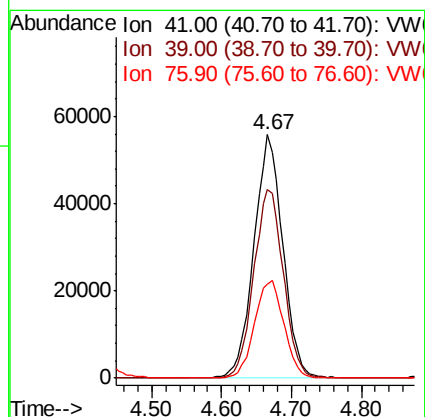
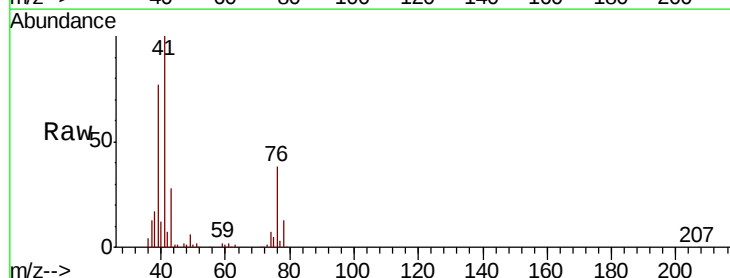
Tgt Ion: 41 Resp: 160344

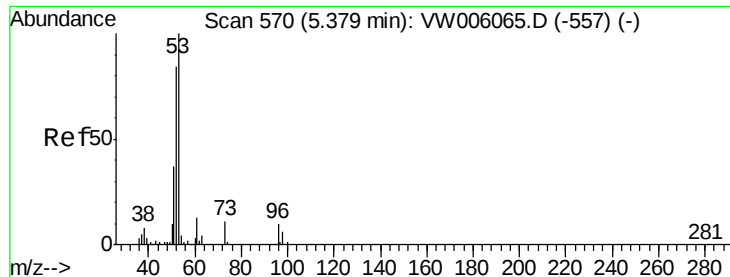
Ion Ratio Lower Upper

41 100

39 79.7 64.1 96.1

76 40.5 32.2 48.4





#15

Acrylonitrile

Concen: 271.517 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

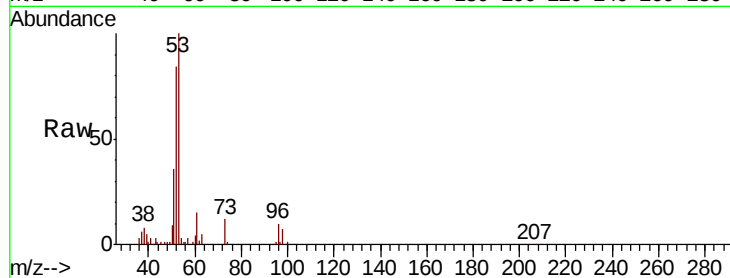
Tot Ion: 53 Resp: 112275

Ion Ratio Lower Upper

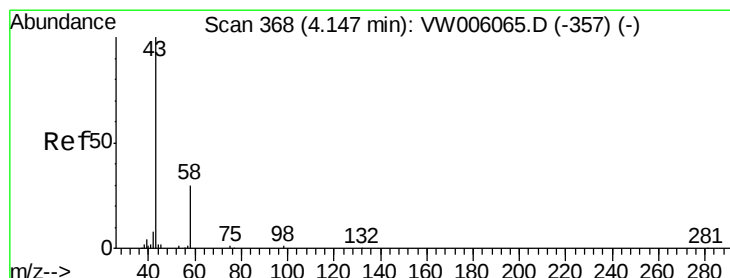
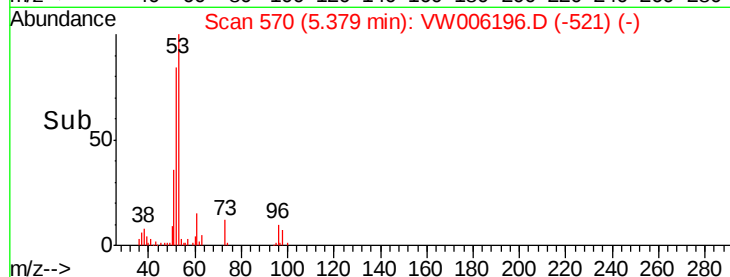
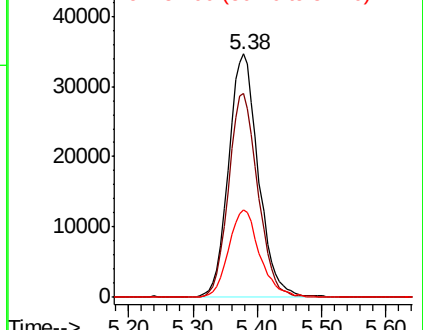
53 100

52 82.4 66.9 100.3

51 37.5 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 233.442 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006196.D

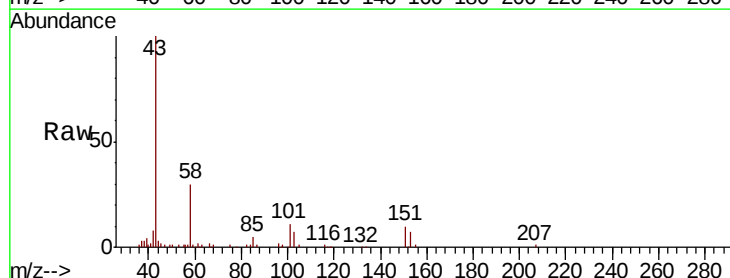
Acq: 19 Oct 2018 01:46

Tgt Ion: 43 Resp: 93333

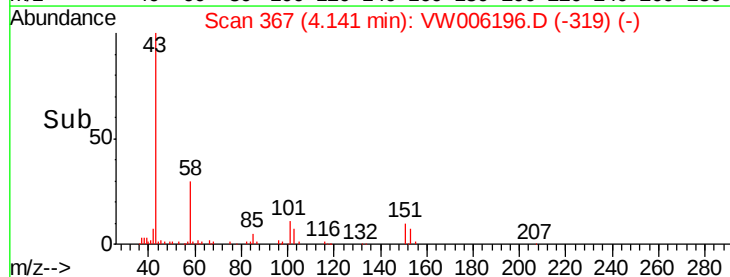
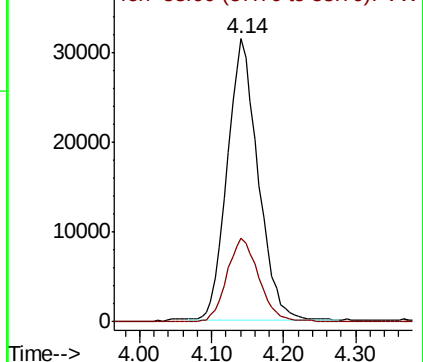
Ion Ratio Lower Upper

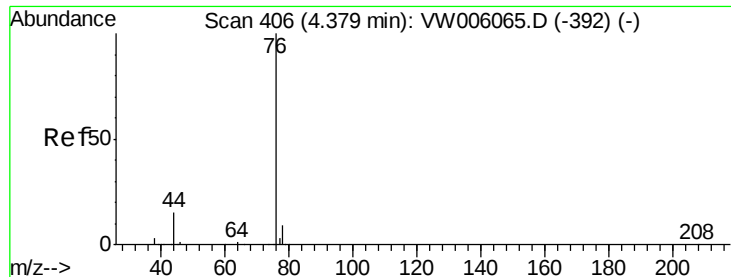
43 100

58 29.8 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 49.822 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

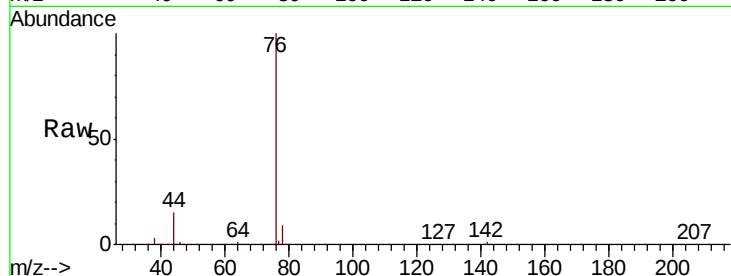
VSTDCCC050

Tot Ion: 76 Resp: 321599

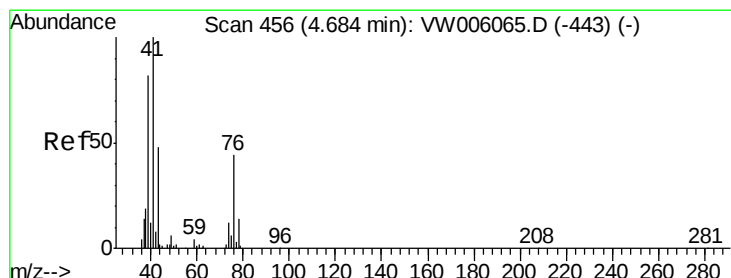
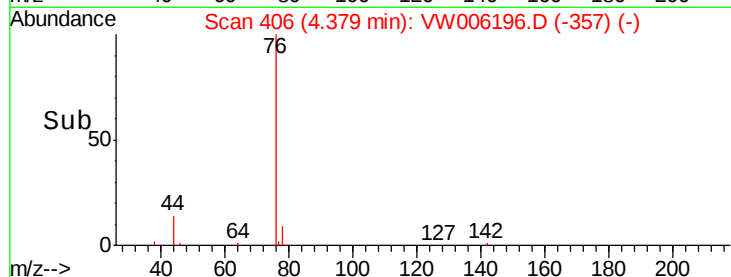
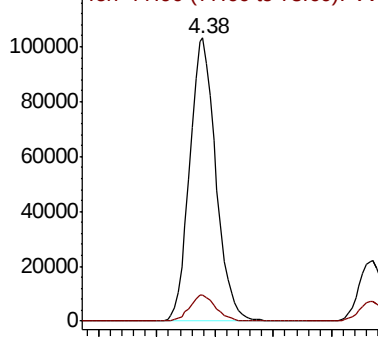
Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 53.813 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006196.D

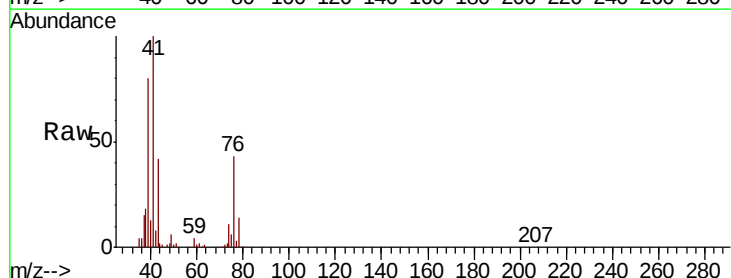
Acq: 19 Oct 2018 01:46

Tgt Ion: 43 Resp: 57472

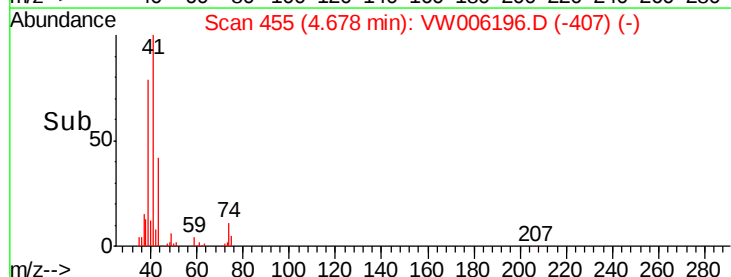
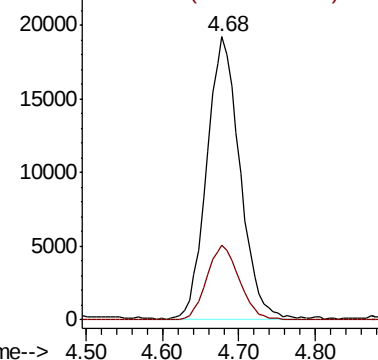
Ion Ratio Lower Upper

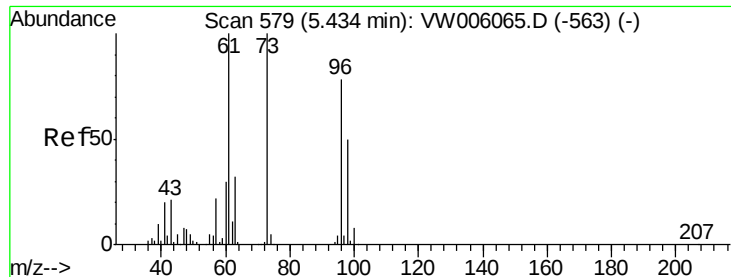
43 100

74 26.0 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

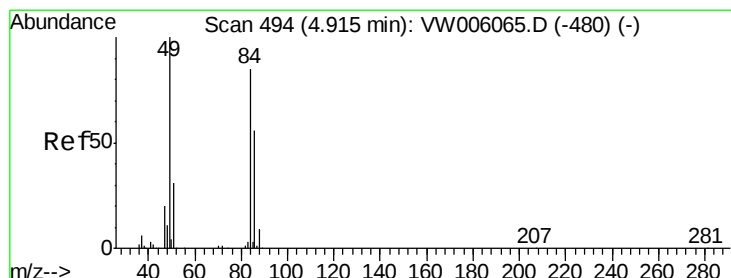
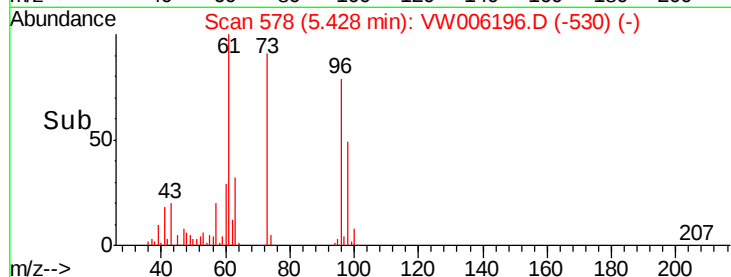
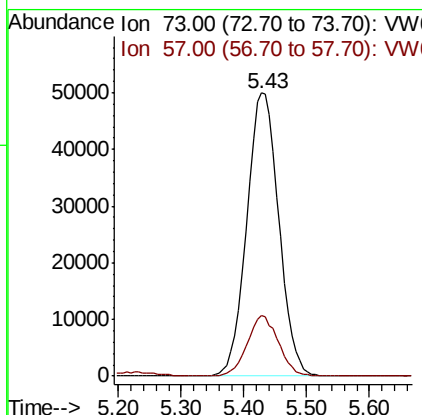
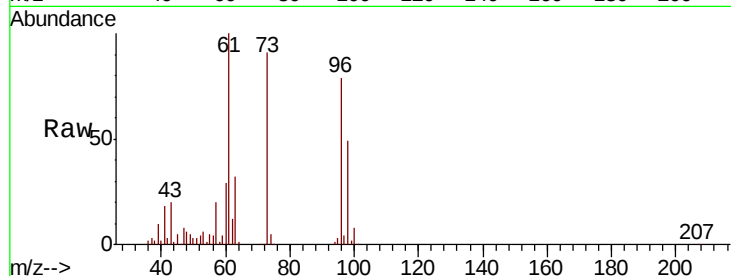




#19
Methyl tert-butyl Ether
Concen: 54.190 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

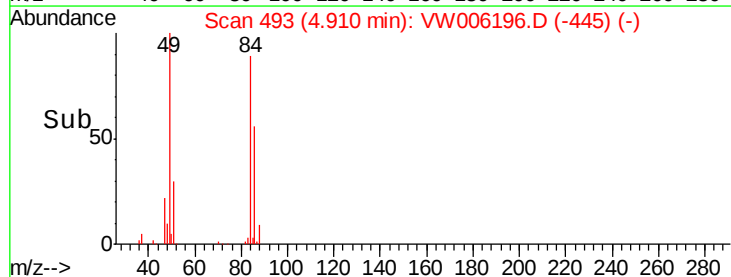
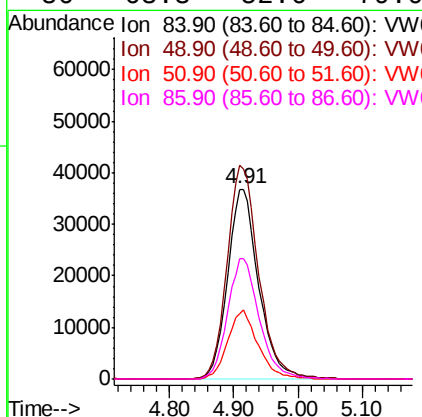
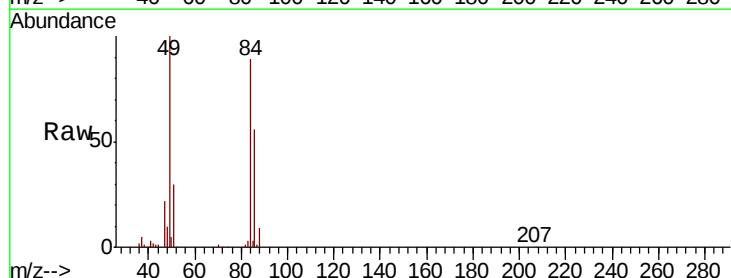
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

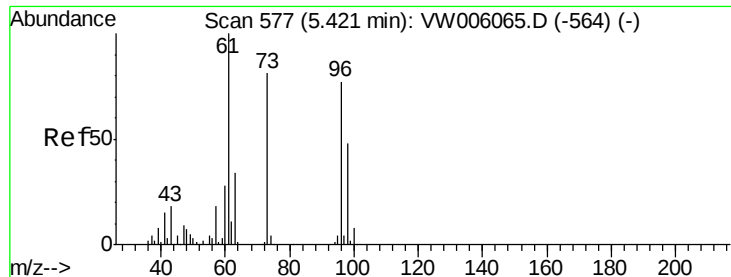
Tot Ion: 73 Resp: 176527
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2



#20
Methylene Chloride
Concen: 55.415 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion: 84 Resp: 124041
Ion Ratio Lower Upper
84 100
49 112.5 93.6 140.4
51 34.2 29.0 43.4
86 63.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 54.683 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

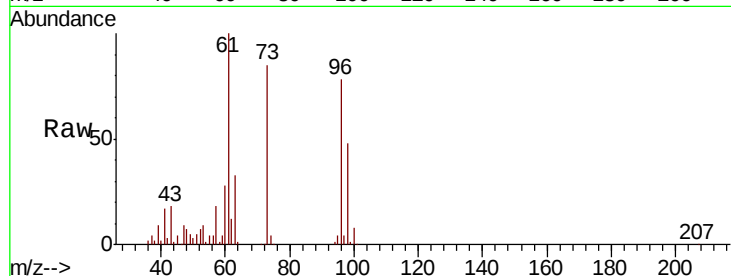
Tot Ion: 96 Resp: 130546

Ion Ratio Lower Upper

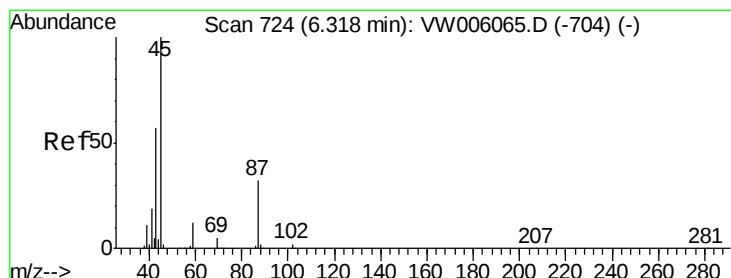
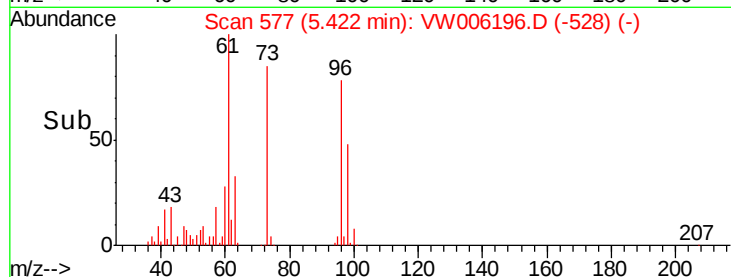
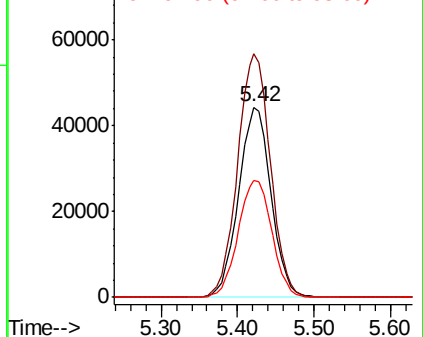
96 100

61 128.2 104.5 156.7

98 61.7 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.932 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Tgt Ion: 45 Resp: 331973

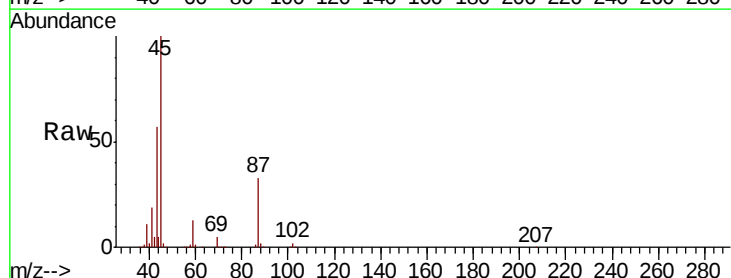
Ion Ratio Lower Upper

45 100

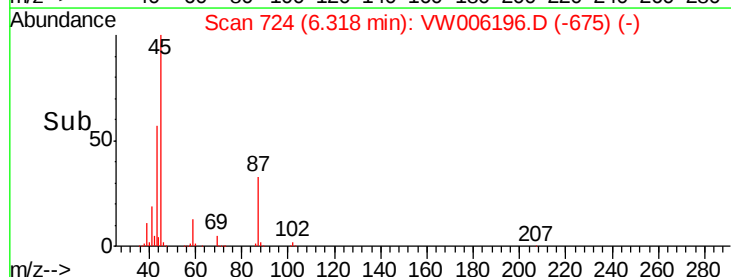
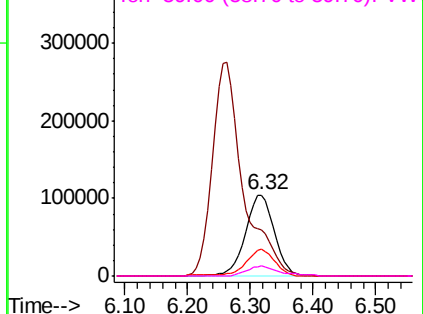
43 56.1 45.7 68.5

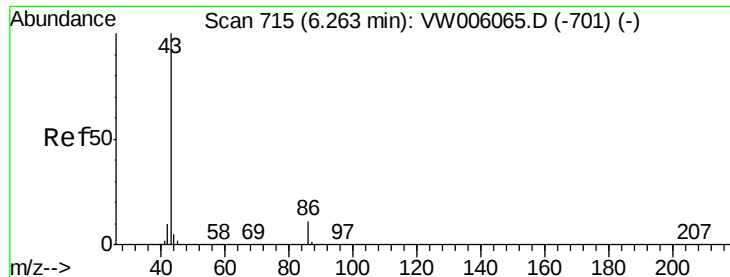
87 32.6 25.9 38.9

59 12.7 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 262.403 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

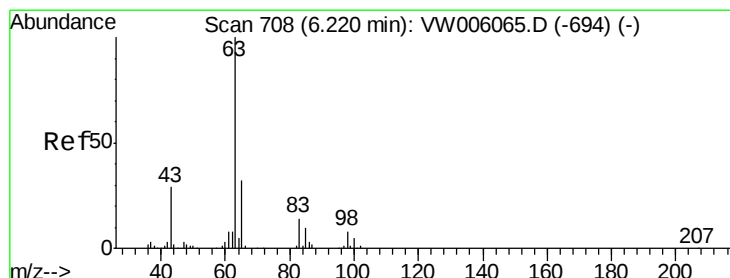
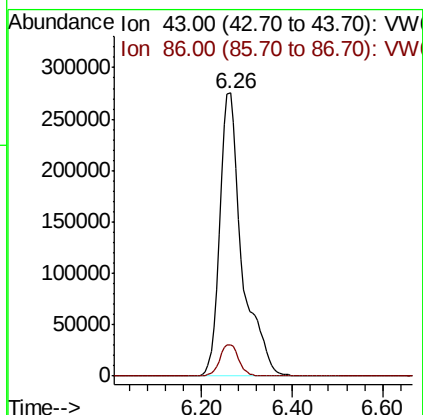
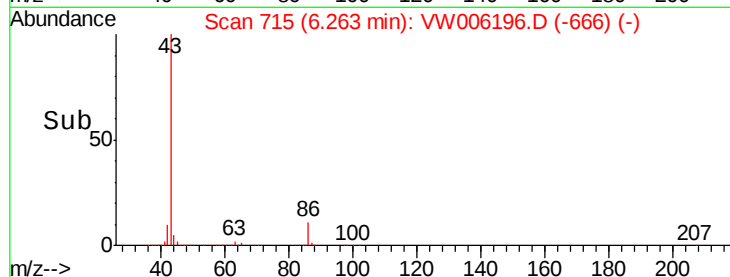
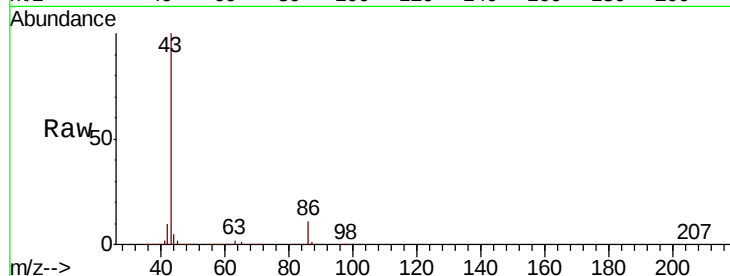
VSTDCCC050

Tot Ion: 43 Resp: 935857

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.6



#24

1,1-Dichloroethane

Concen: 55.526 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

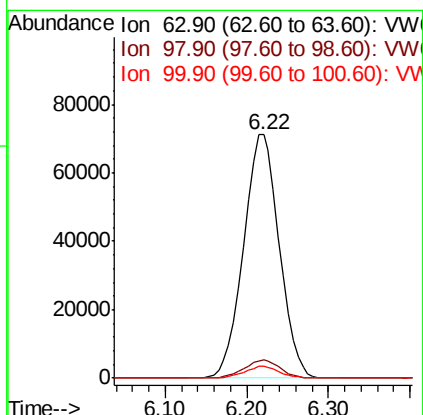
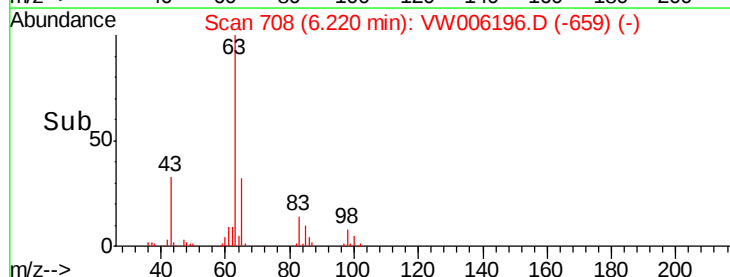
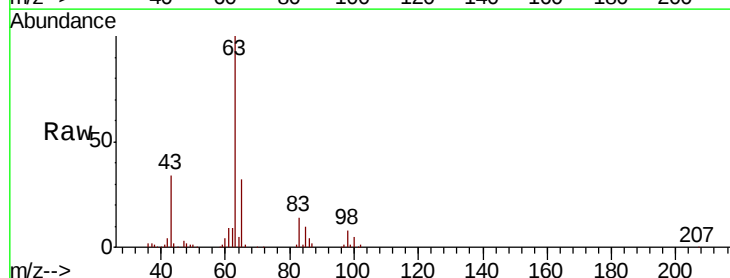
Tgt Ion: 63 Resp: 216523

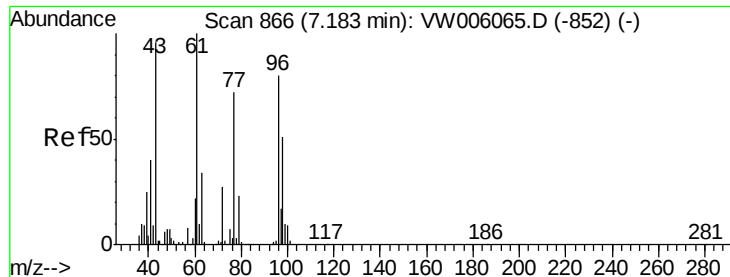
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

100 5.1 2.5 7.5





#25

2-Butanone

Concen: 248.333 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

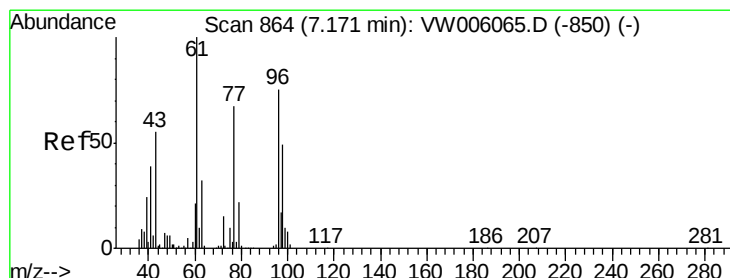
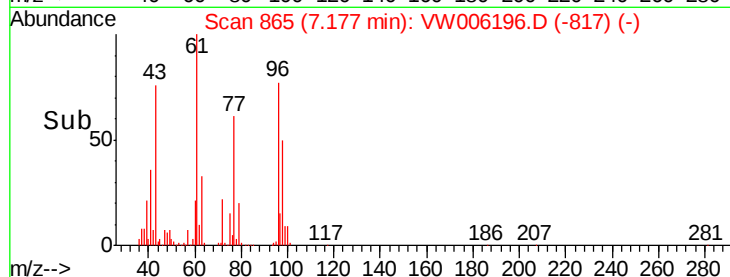
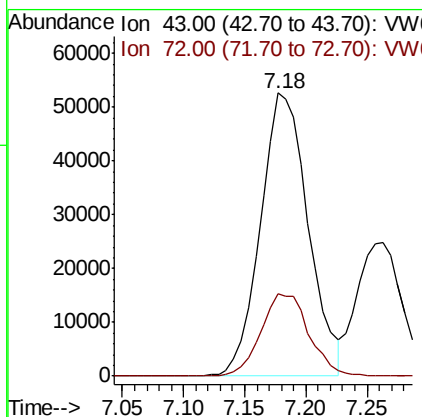
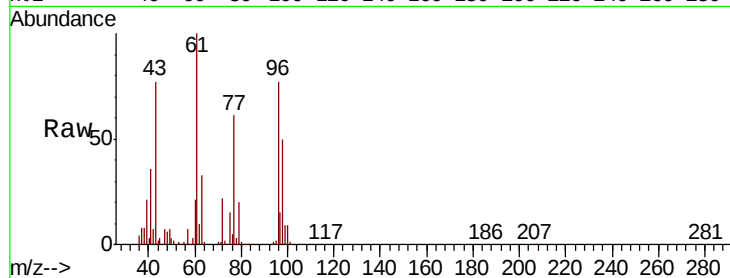
VSTDCCC050

Tot Ion: 43 Resp: 142372

Ion Ratio Lower Upper

43 100

72 29.2 22.8 34.2



#26

2,2-Dichloropropane

Concen: 47.348 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006196.D

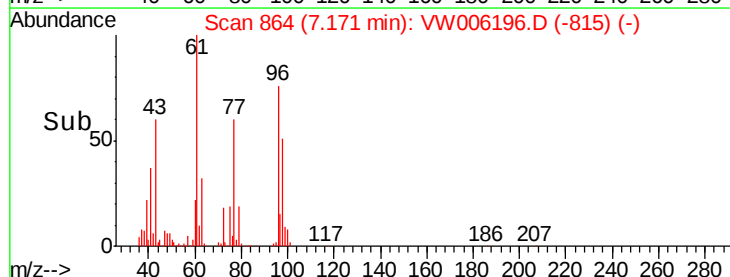
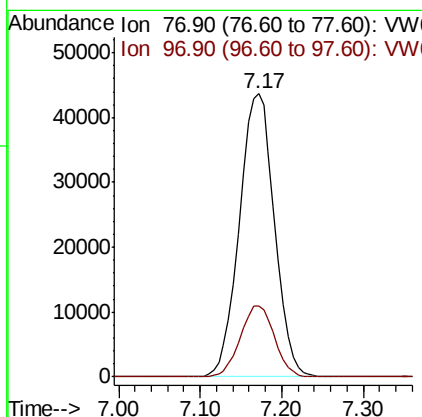
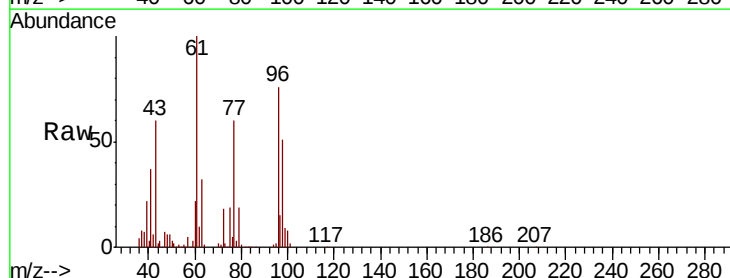
Acq: 19 Oct 2018 01:46

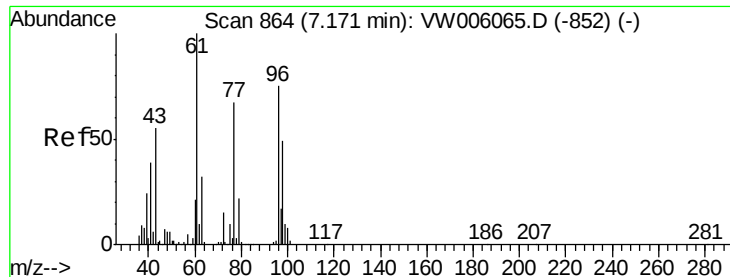
Tgt Ion: 77 Resp: 130223

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.4



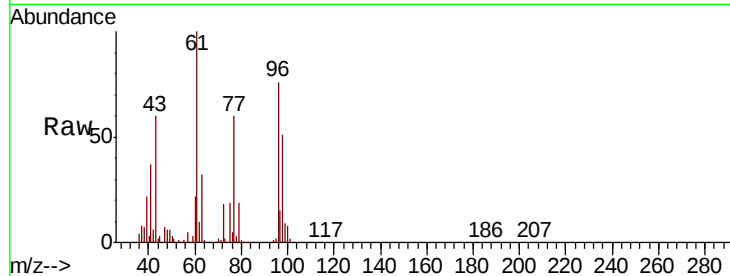


#27

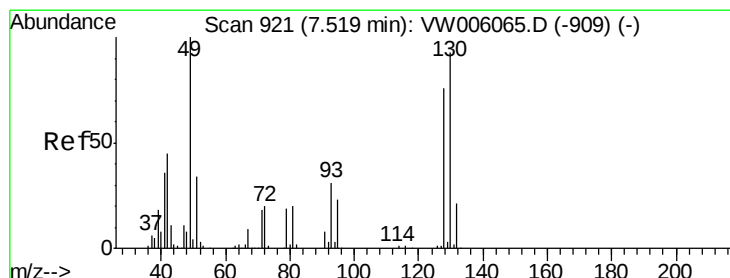
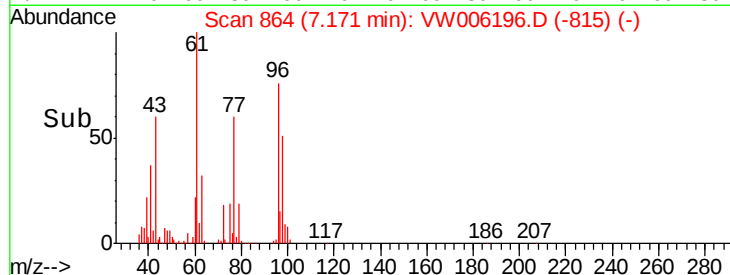
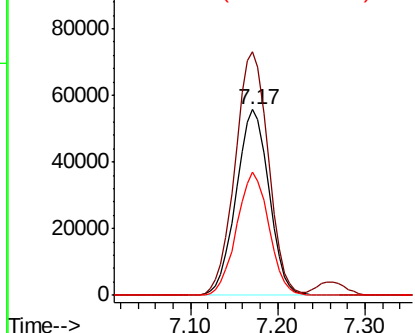
cis-1,2-Dichloroethene
 Concen: 55.336 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 145782
 Ion Ratio Lower Upper
 96 100
 61 132.5 0.0 267.2
 98 65.0 0.0 128.6



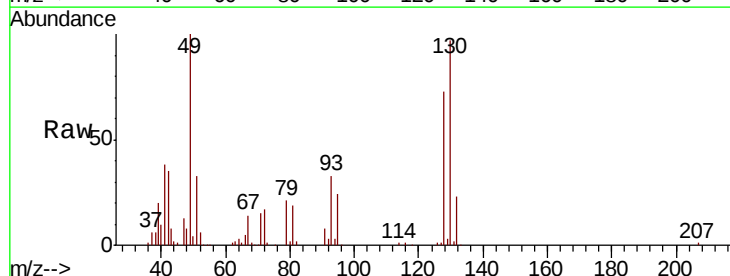
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



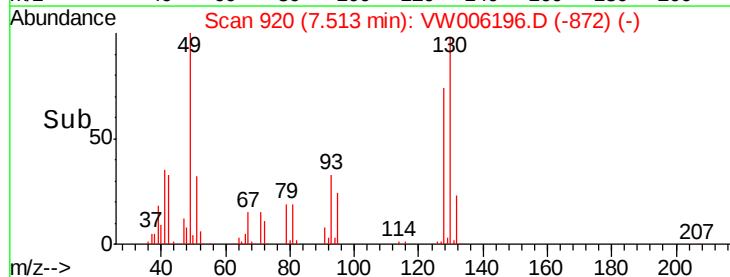
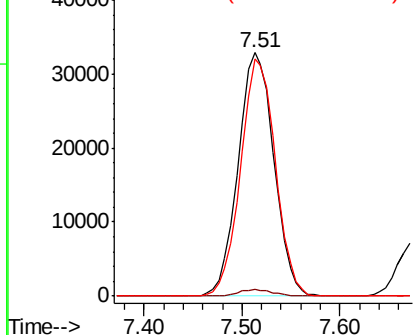
#28

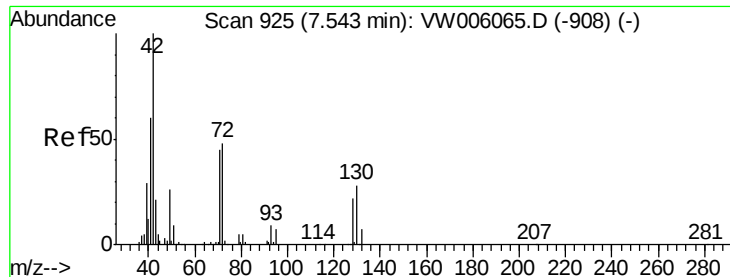
Bromochloromethane
 Concen: 55.389 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Tgt Ion: 49 Resp: 83385
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 5.0
 130 94.7 73.8 110.8



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.436 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

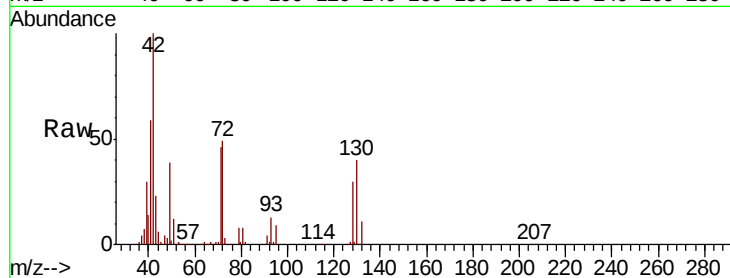
Tot Ion: 42 Resp: 91778

Ion Ratio Lower Upper

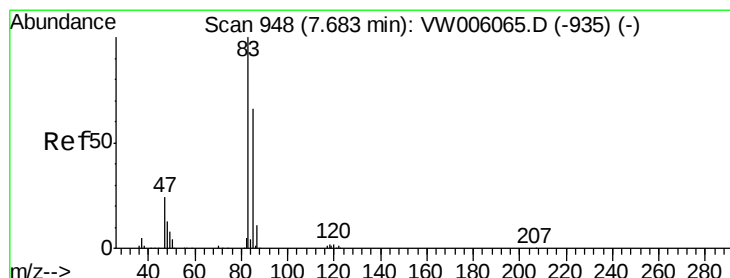
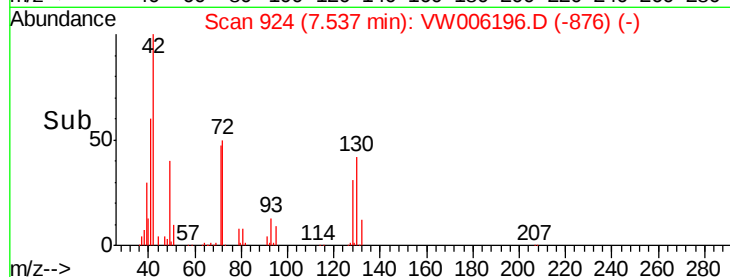
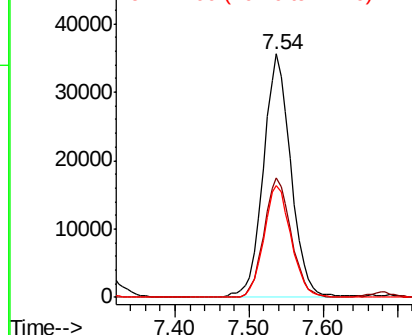
42 100

72 48.6 38.0 57.0

71 45.6 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 55.536 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006196.D

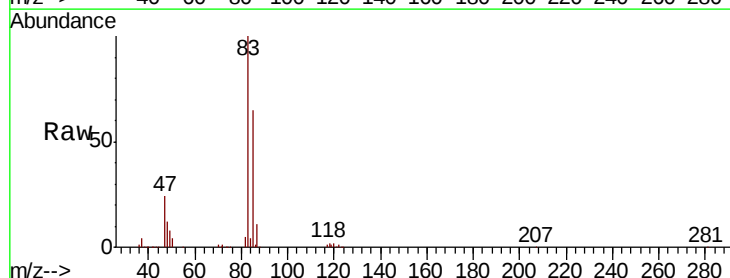
Acq: 19 Oct 2018 01:46

Tgt Ion: 83 Resp: 235947

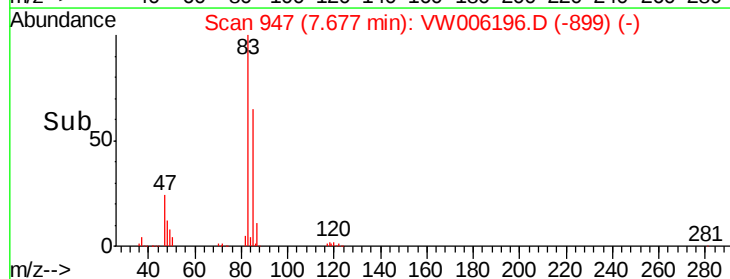
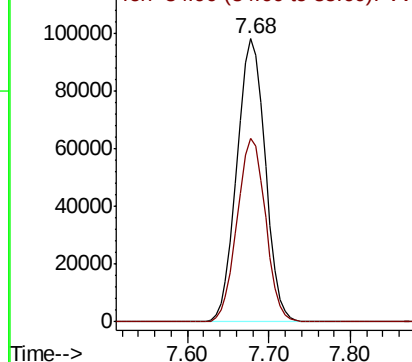
Ion Ratio Lower Upper

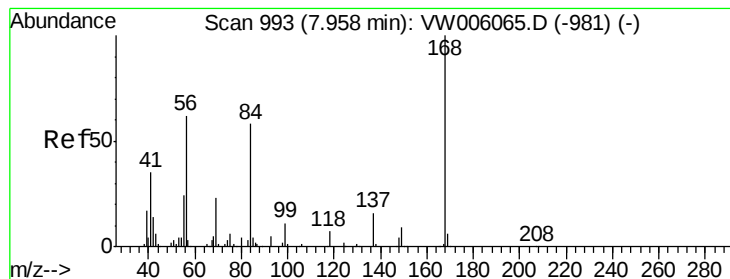
83 100

85 64.9 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 48.222 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

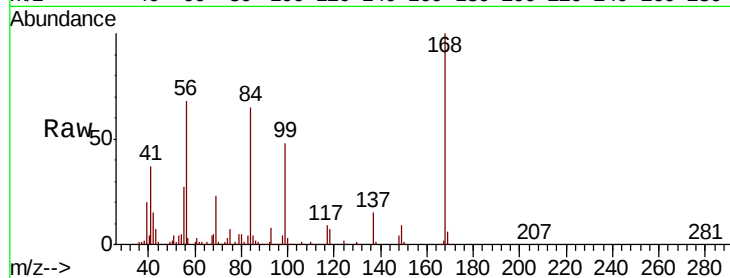
Tot Ion: 56 Resp: 187262

Ion Ratio Lower Upper

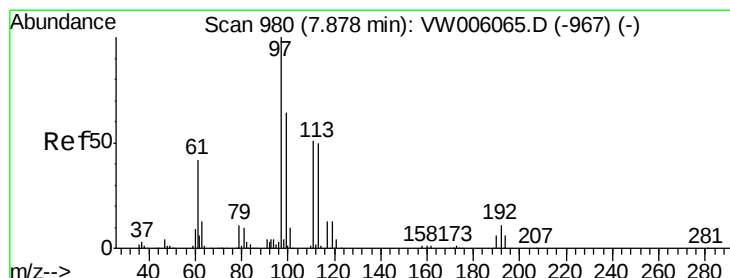
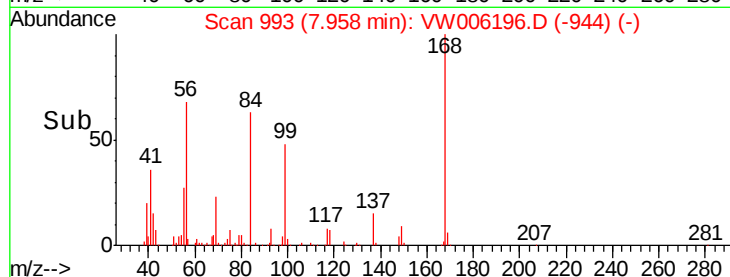
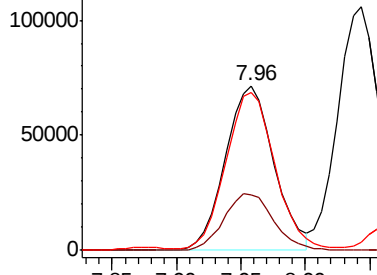
56 100

69 33.9 29.4 44.0

84 94.4 74.0 111.0



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: 53.168 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

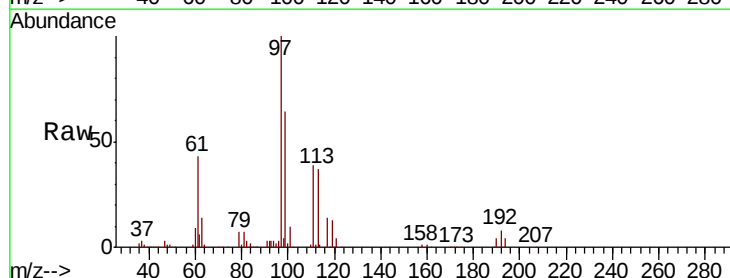
Tgt Ion: 97 Resp: 203762

Ion Ratio Lower Upper

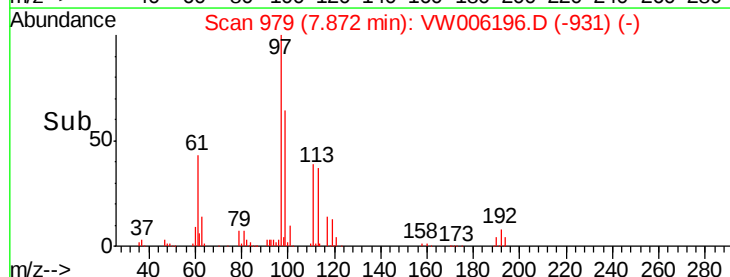
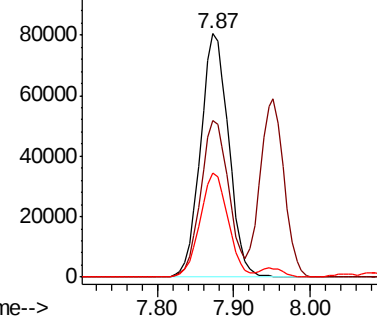
97 100

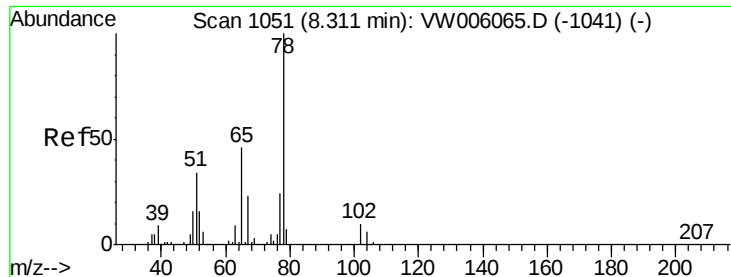
99 64.5 50.9 76.3

61 42.9 33.7 50.5



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: 51.586 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

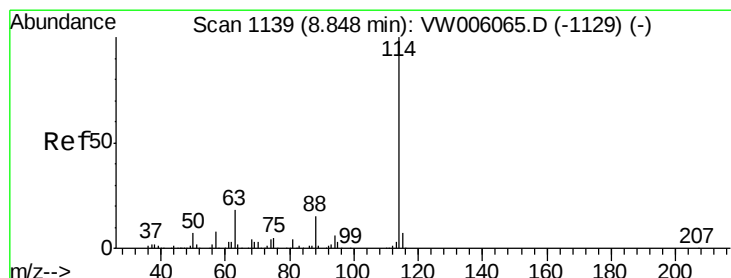
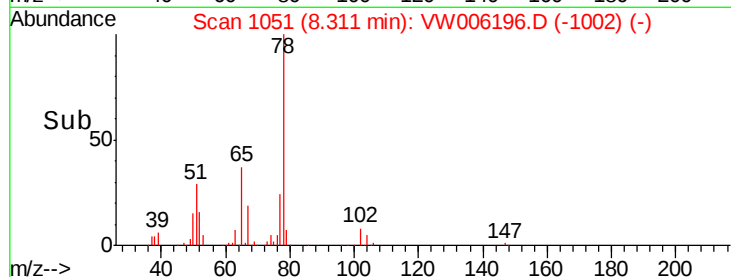
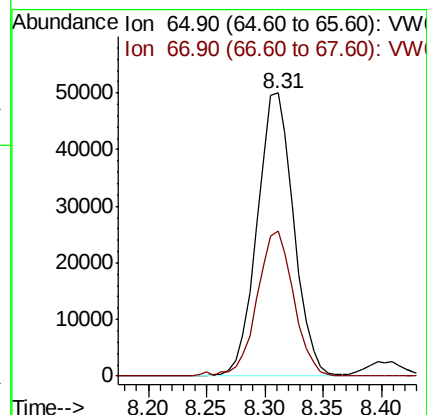
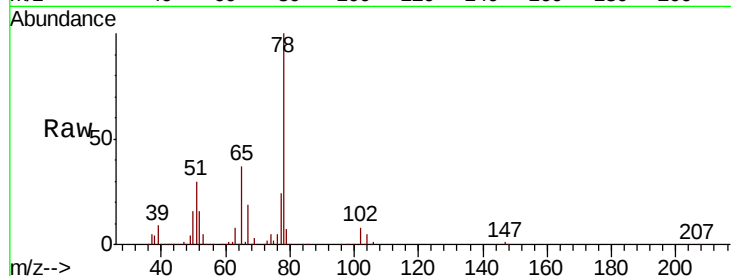
VSTDCCC050

Tot Ion: 65 Resp: 109477

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

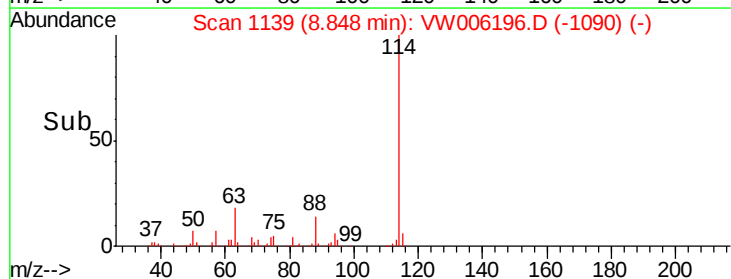
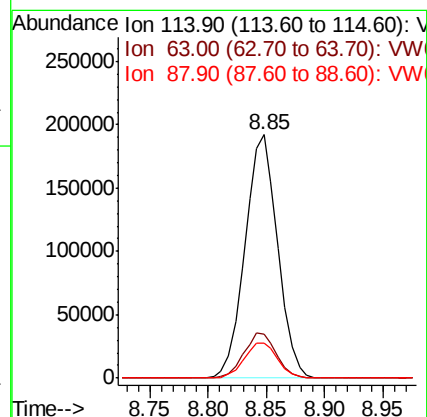
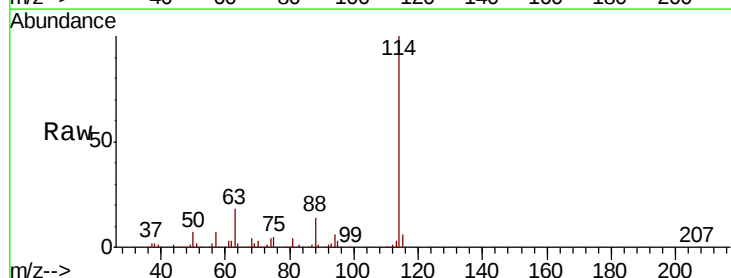
Tgt Ion: 114 Resp: 374011

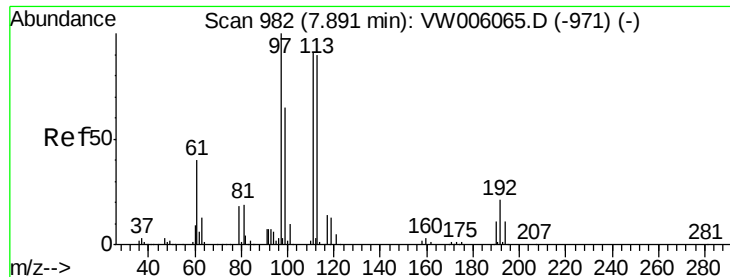
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.240 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

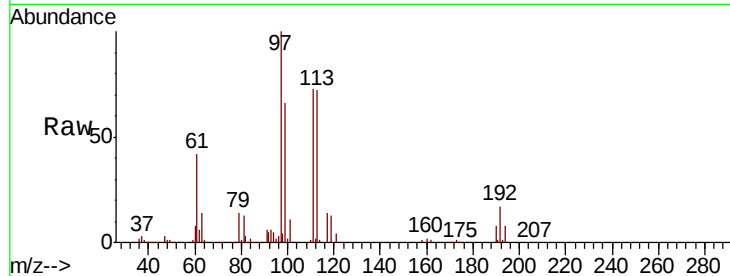
Tot Ion:113 Resp: 111030

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

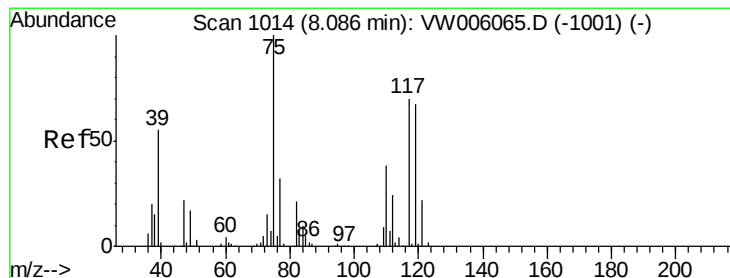
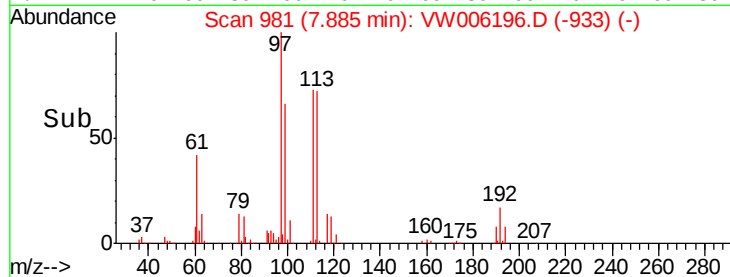
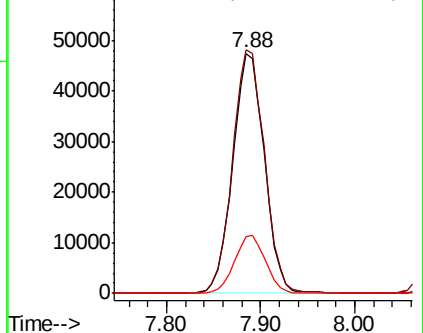
192 23.7 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.034 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

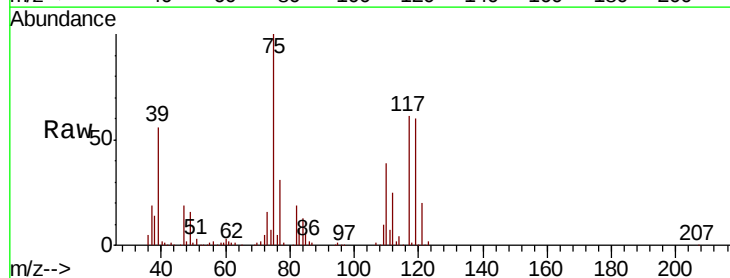
Tgt Ion: 75 Resp: 182827

Ion Ratio Lower Upper

75 100

110 38.0 19.1 57.1

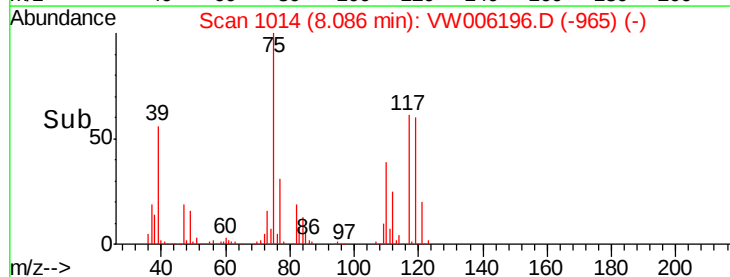
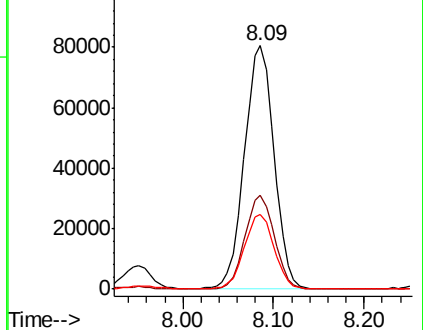
77 31.1 25.0 37.4

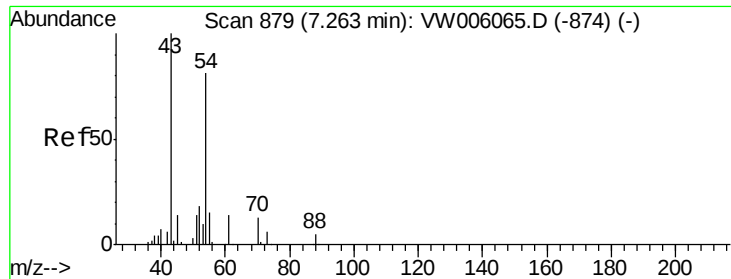


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

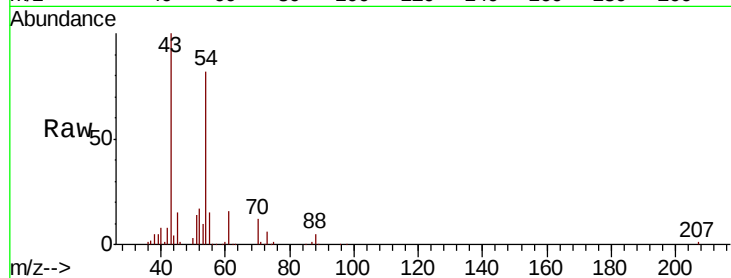




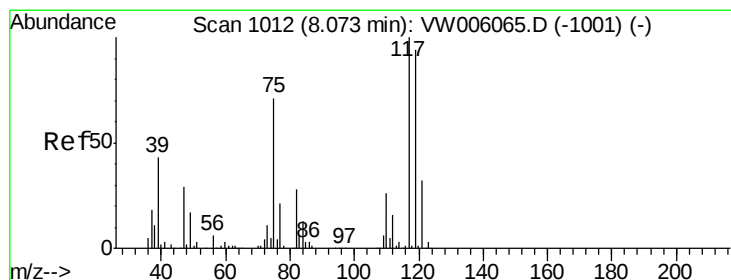
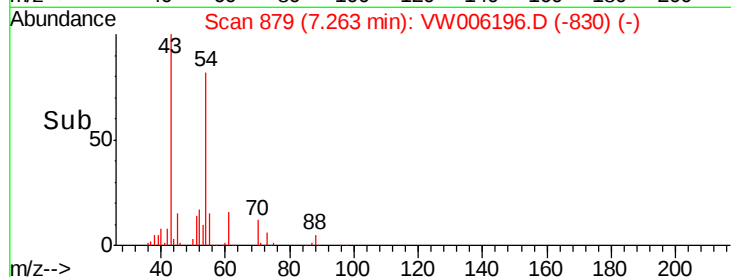
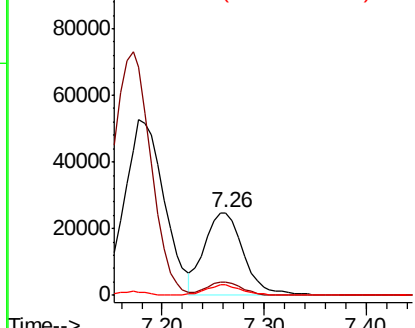
#37
Ethyl Acetate
Concen: 51.126 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 65483
Ion Ratio Lower Upper
43 100
61 15.2 11.5 17.3
70 11.7 9.2 13.8

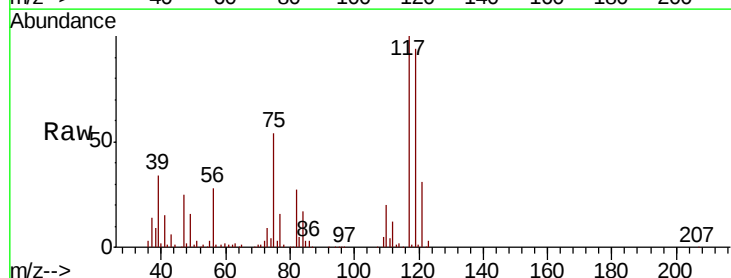


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

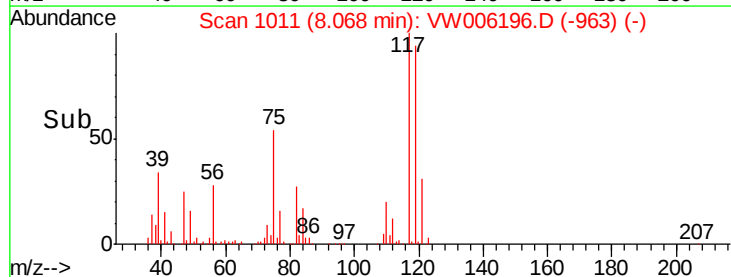
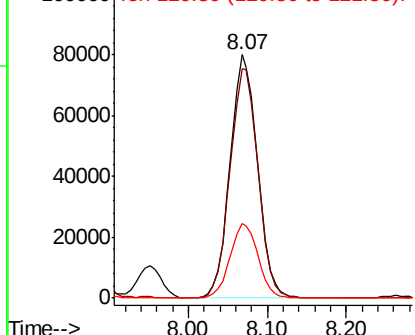


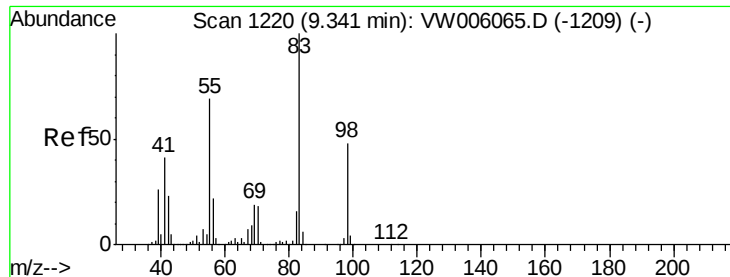
#38
Carbon Tetrachloride
Concen: 51.123 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion: 117 Resp: 193202
Ion Ratio Lower Upper
117 100
119 94.4 75.2 112.8
121 30.6 25.3 37.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

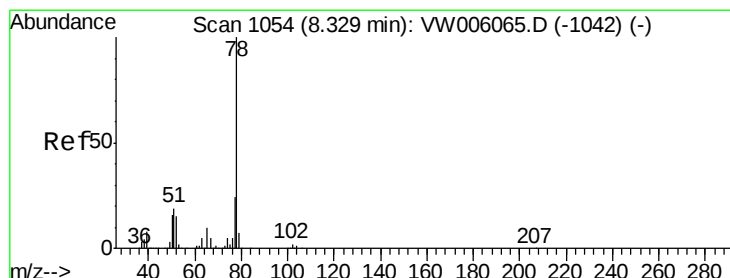
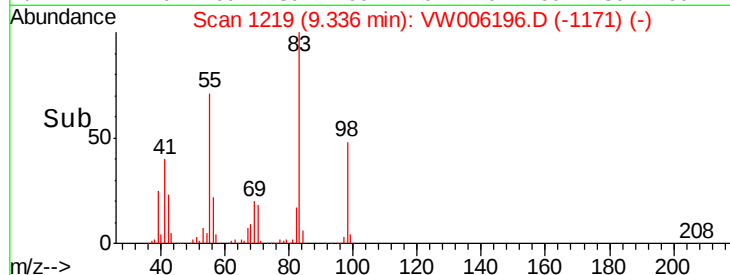
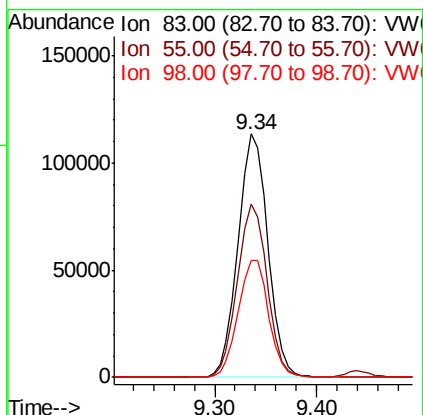
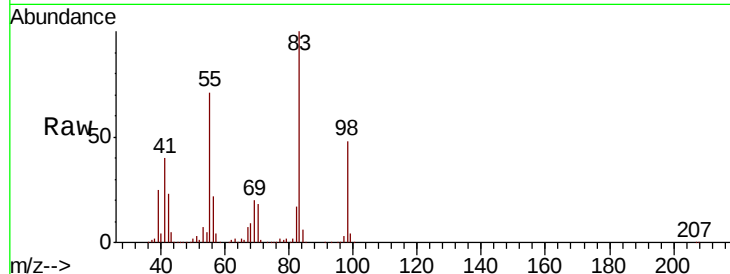




#39
Methvlcvclohexane
Concen: 50.392 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

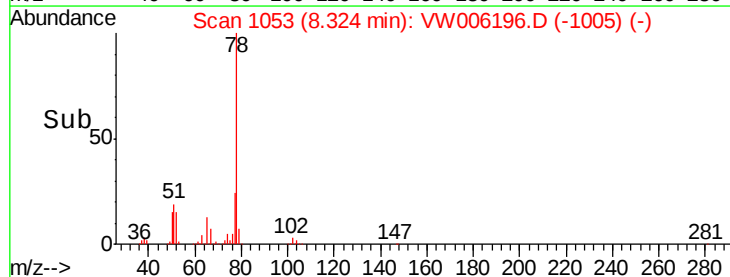
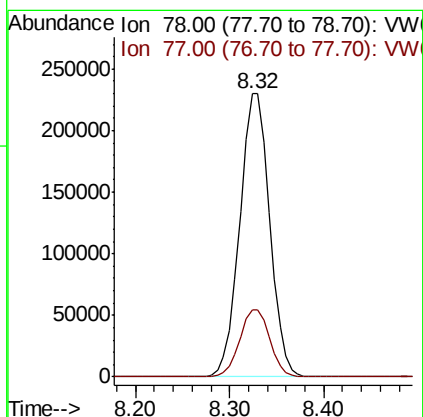
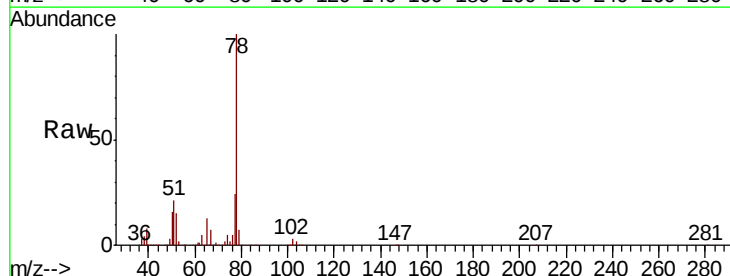
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

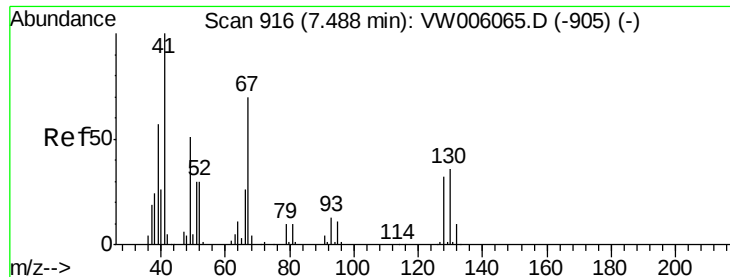
Tot Ion: 83 Resp: 230921
Ion Ratio Lower Upper
83 100
55 70.9 55.0 82.6
98 48.0 38.6 57.8



#40
Benzene
Concen: 54.130 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion: 78 Resp: 511873
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

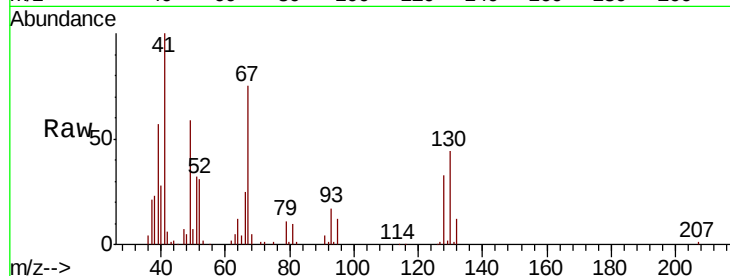




#41
Methacrylonitrile
Concen: 49.570 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	38274
Ion	Ratio	Lower	Upper
41	100		
39	63.9	46.2	69.4
67	79.2	57.7	86.5
52	34.1	24.7	37.1



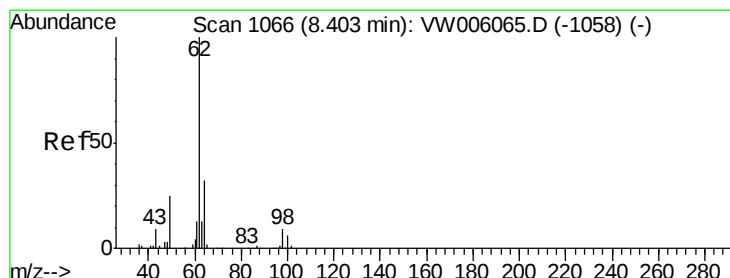
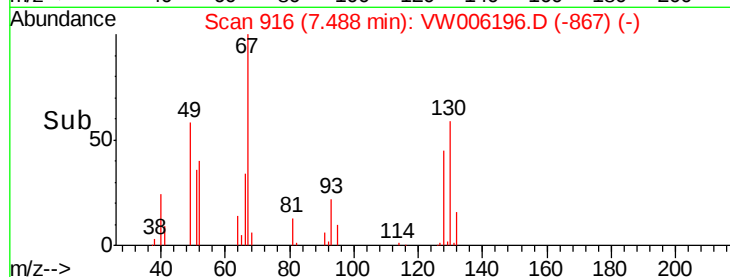
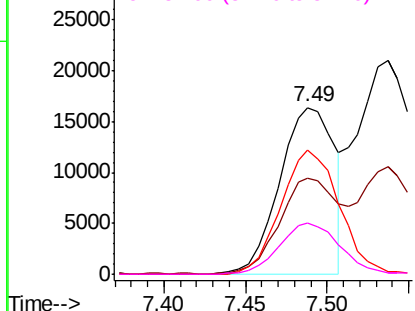
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

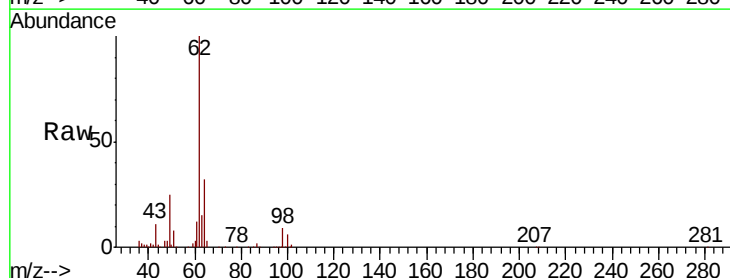
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 54.874 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

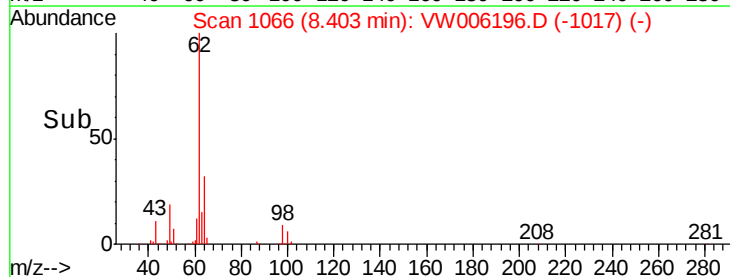
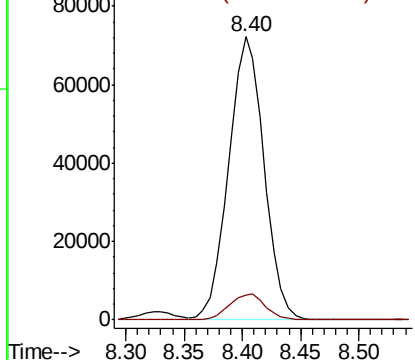
Tgt Ion:	62	Resp:	152454
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4

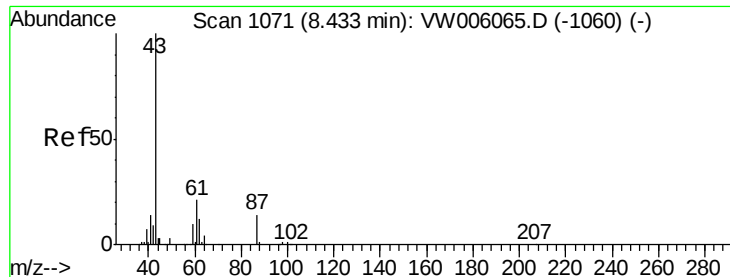


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.379 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

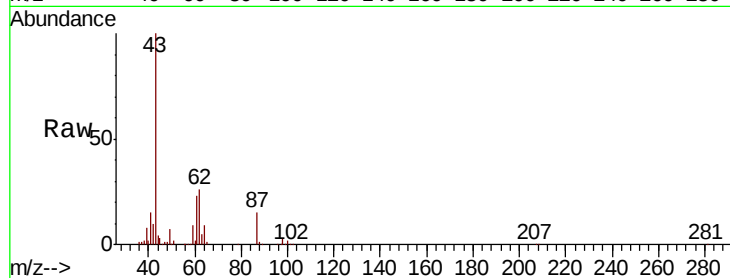
Tot Ion: 43 Resp: 131933

Ion Ratio Lower Upper

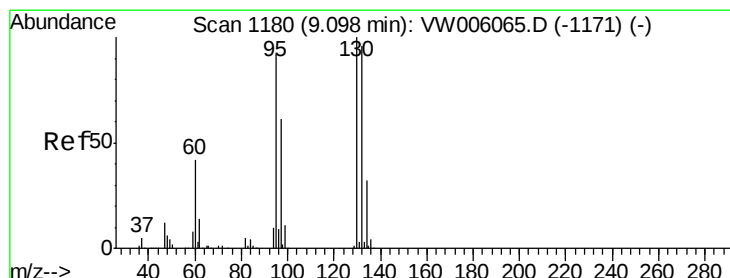
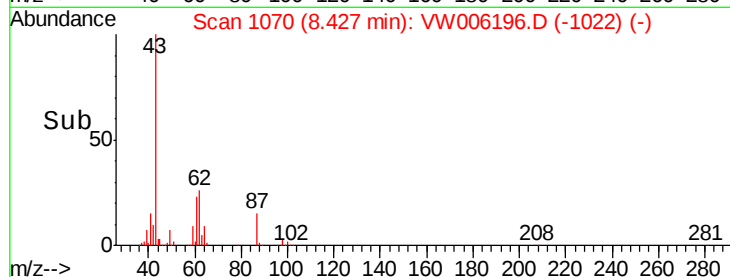
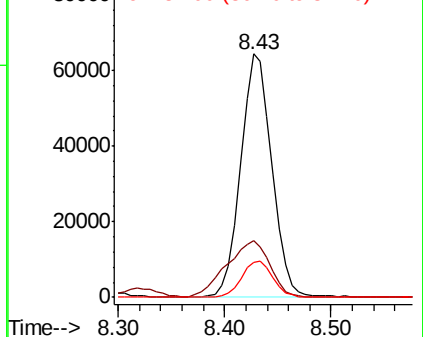
43 100

61 32.2 25.5 38.3

87 15.0 11.7 17.5



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: 53.850 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006196.D

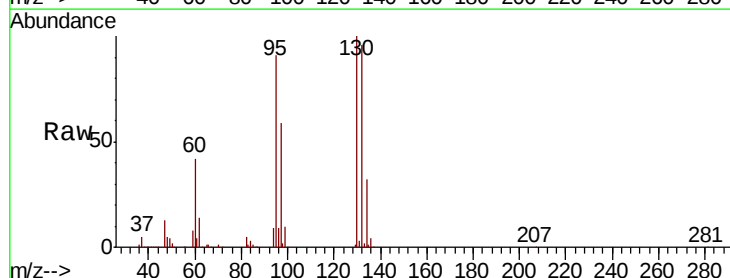
Acq: 19 Oct 2018 01:46

Tgt Ion:130 Resp: 156230

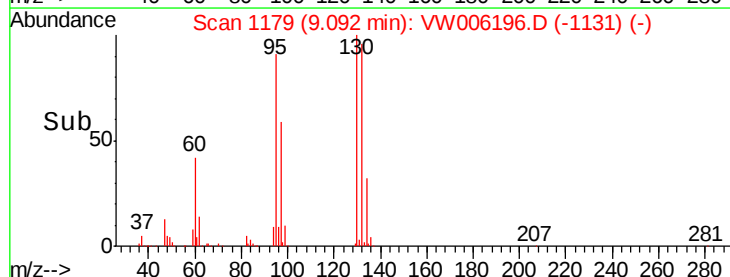
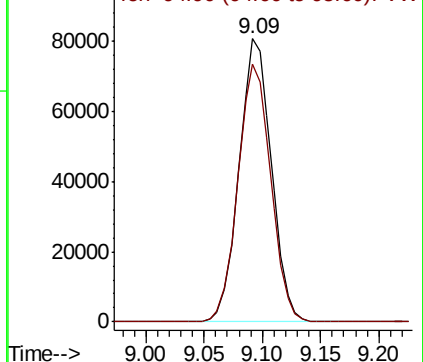
Ion Ratio Lower Upper

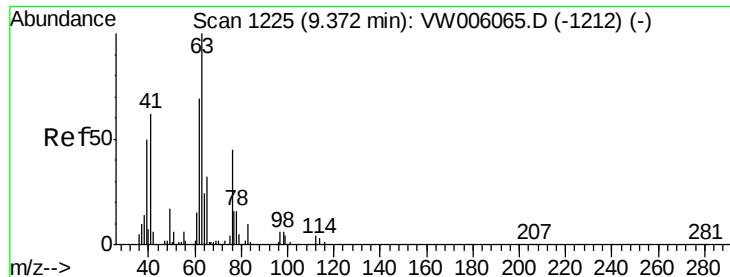
130 100

95 91.2 0.0 183.2



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

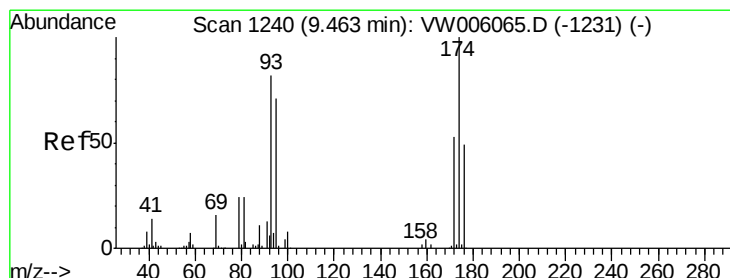
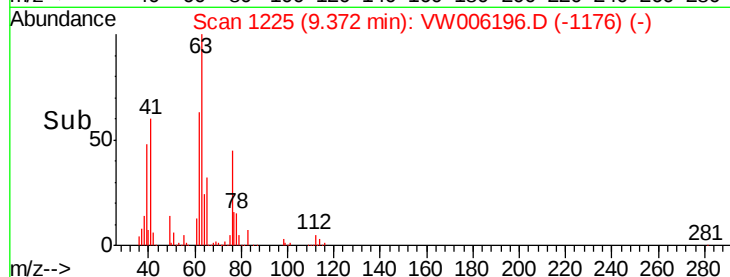
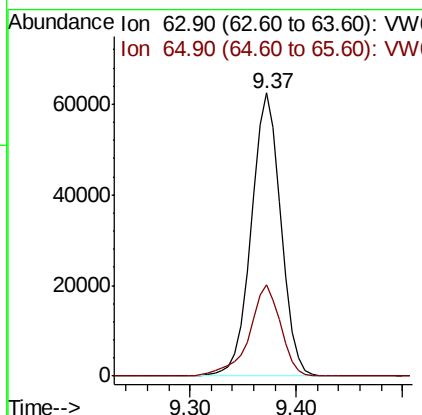
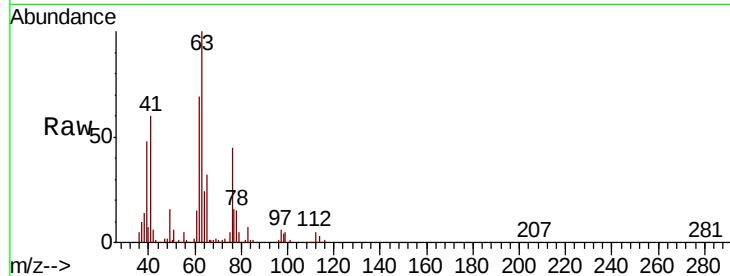




#45
 1,2-Dichloropropane
 Concen: 53.787 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

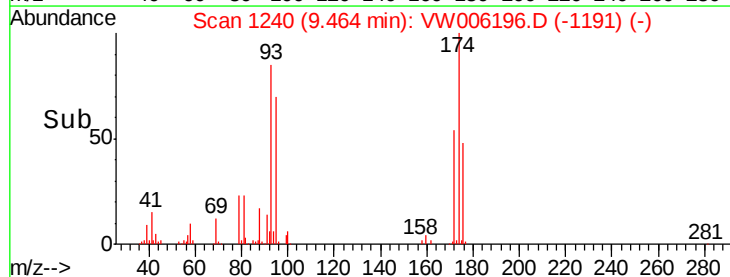
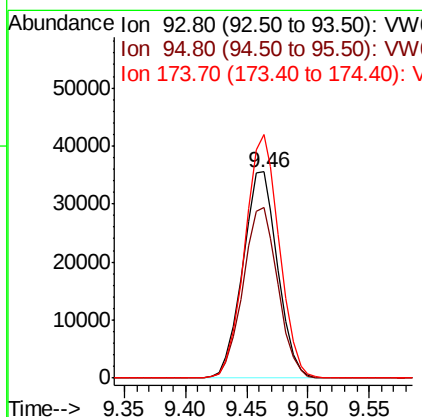
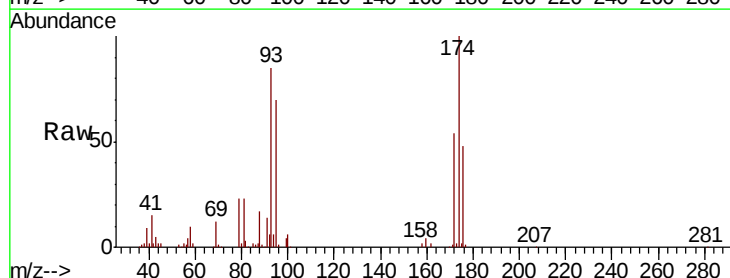
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

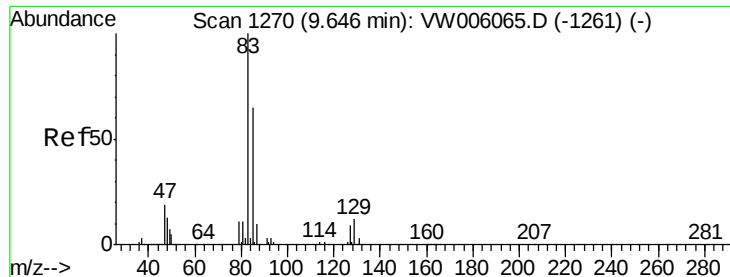
Tot Ion: 63 Resp: 121710
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.4 38.0



#46
 Dibromomethane
 Concen: 54.544 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Tgt Ion: 93 Resp: 70346
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.7 101.5
 174 116.1 93.7 140.5





#47

Bromodichloromethane

Concen: 53.448 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

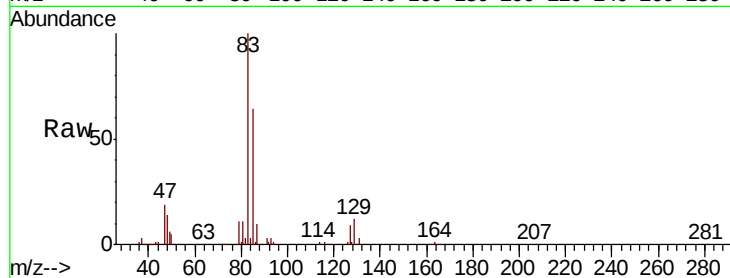
Tot Ion: 83 Resp: 167122

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.8

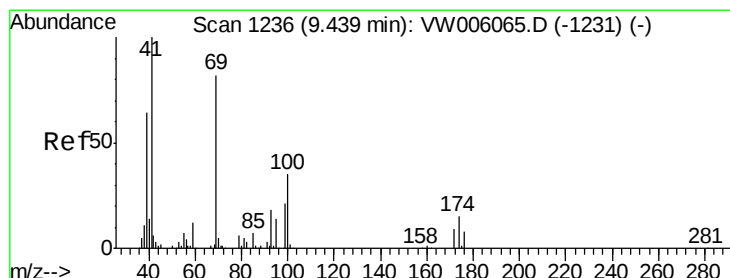
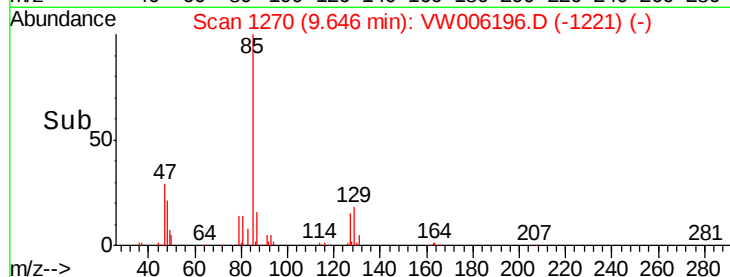
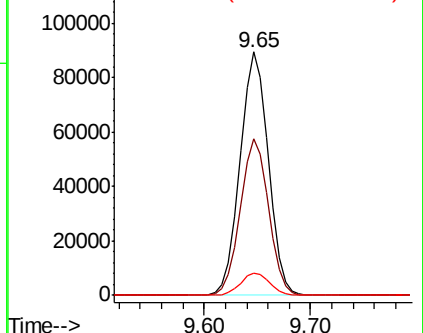
127 9.3 6.9 10.3



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): VW



#48

Methyl methacrylate

Concen: 52.177 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

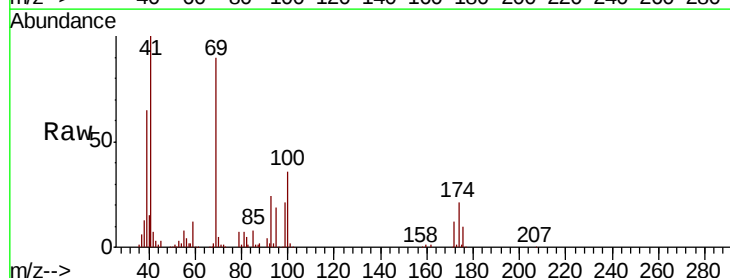
Tgt Ion: 41 Resp: 64770

Ion Ratio Lower Upper

41 100

69 94.8 71.8 107.8

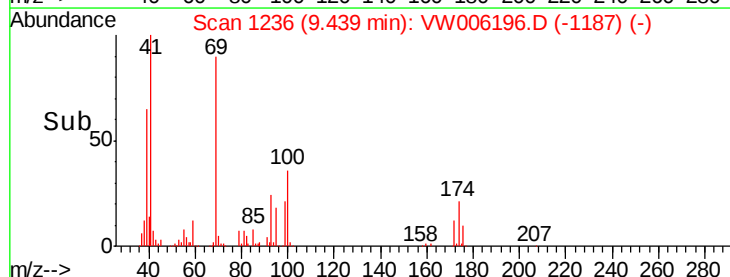
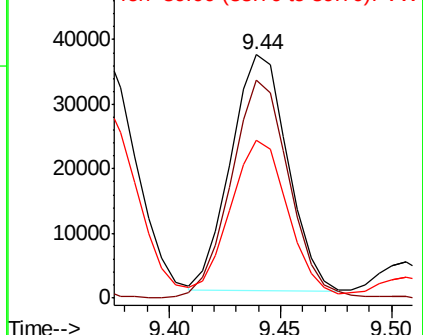
39 64.3 52.5 78.7

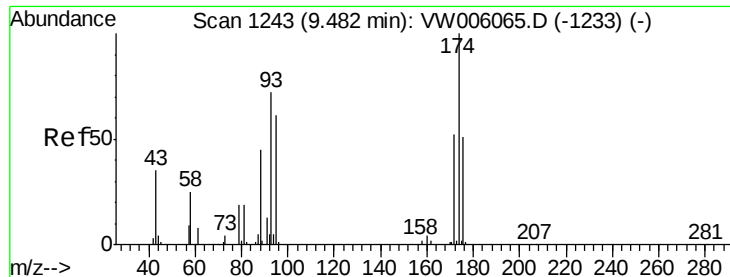


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1097.582 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

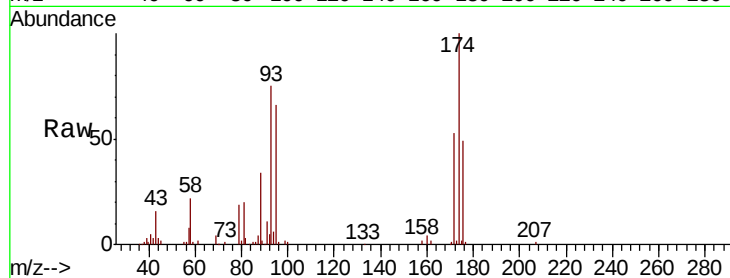
Tot Ion: 88 Resp: 21792

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

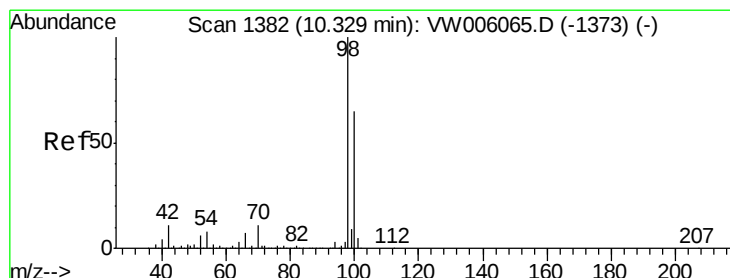
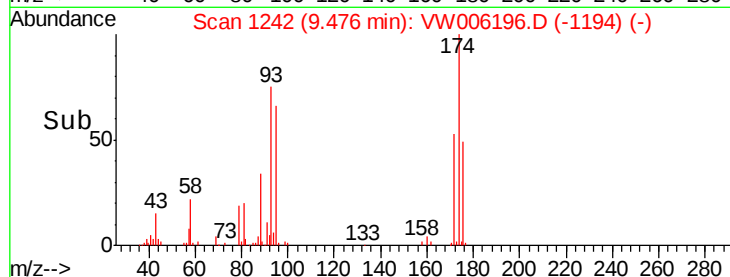
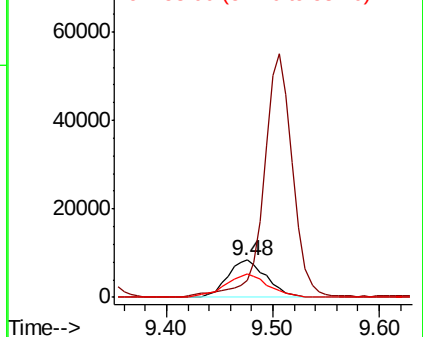
58 67.4 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.853 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006196.D

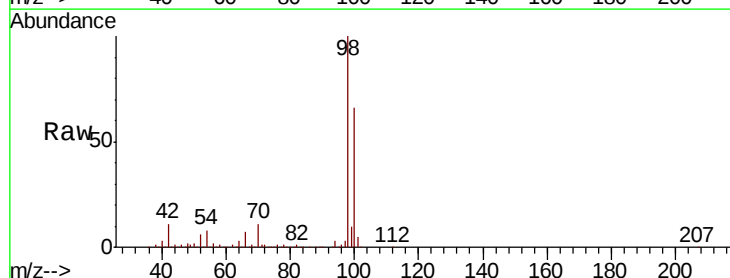
Acq: 19 Oct 2018 01:46

Tgt Ion: 98 Resp: 419167

Ion Ratio Lower Upper

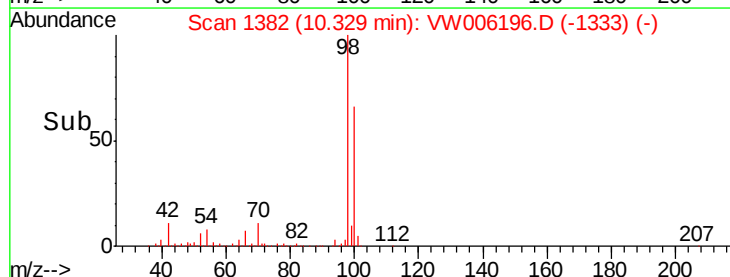
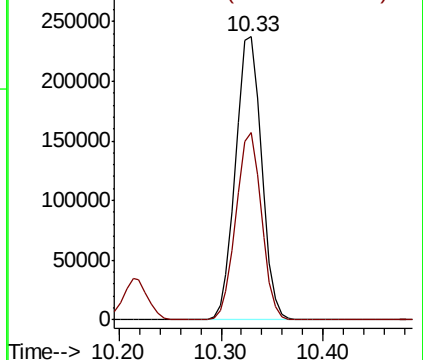
98 100

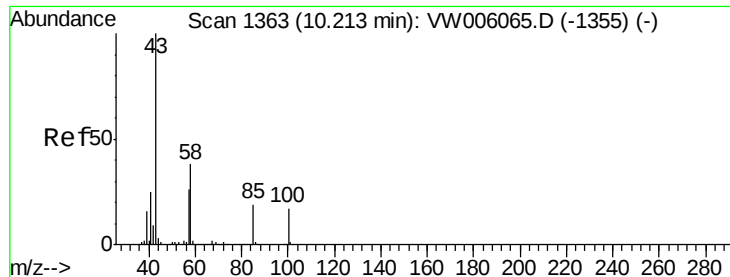
100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 256.541 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

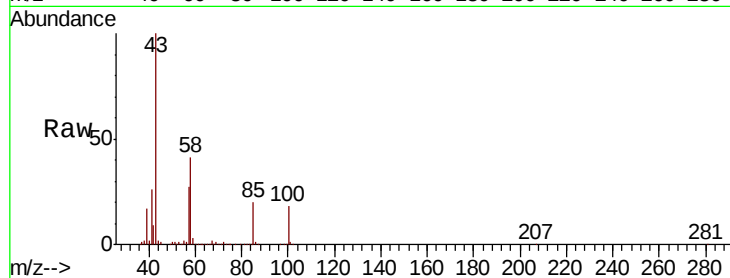
VSTDCCC050

Tot Ion: 43 Resp: 336614

Ion Ratio Lower Upper

43 100

58 40.5 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

200000

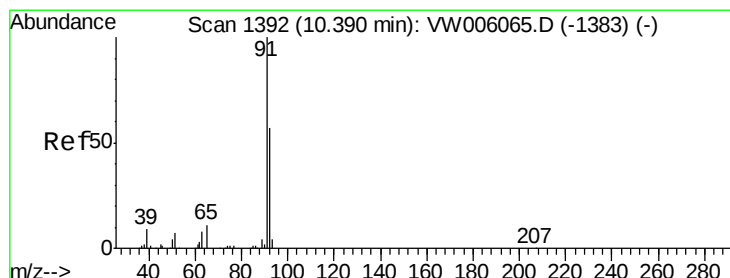
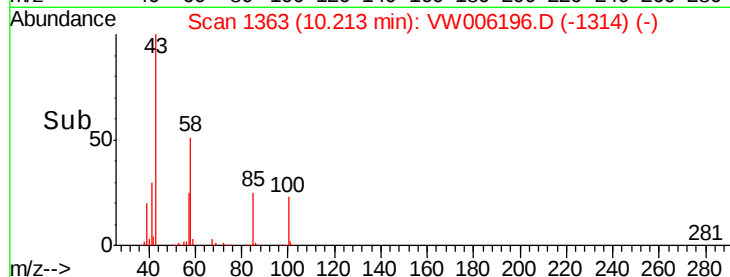
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 54.018 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006196.D

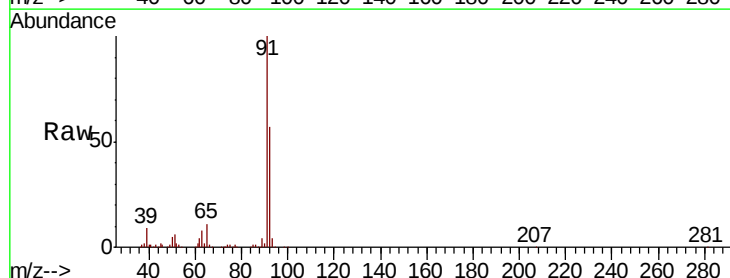
Acq: 19 Oct 2018 01:46

Tgt Ion: 92 Resp: 342462

Ion Ratio Lower Upper

92 100

91 174.4 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

400000

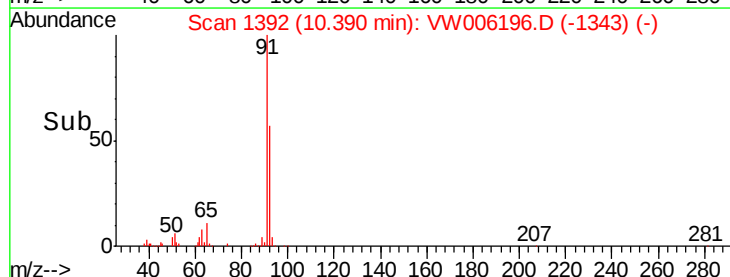
300000

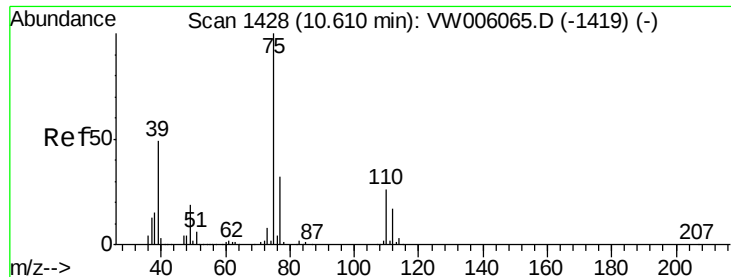
200000

100000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 51.164 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampled :

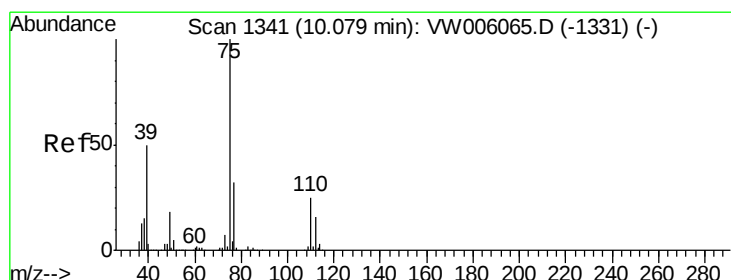
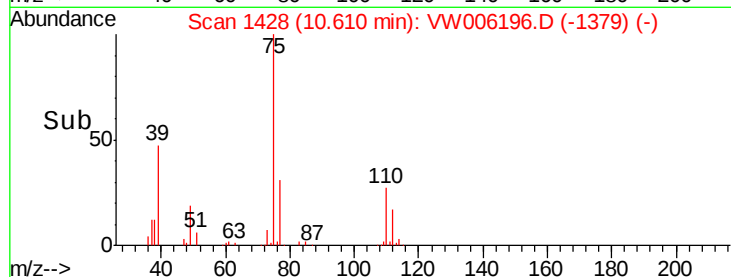
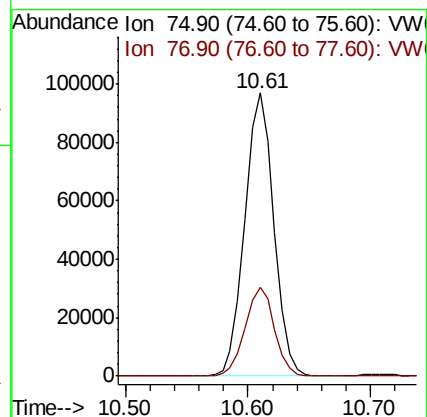
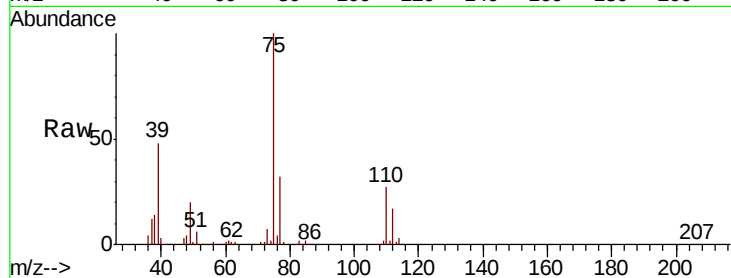
VSTDCCC050

Tot Ion: 75 Resp: 159394

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 52.387 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

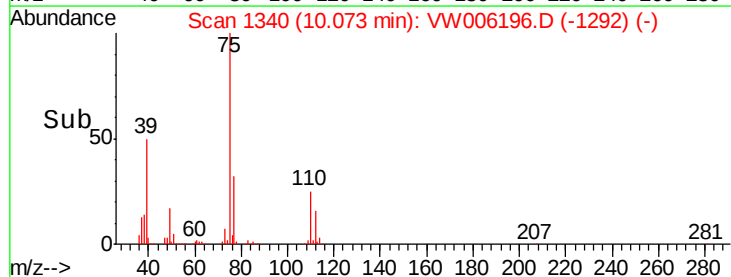
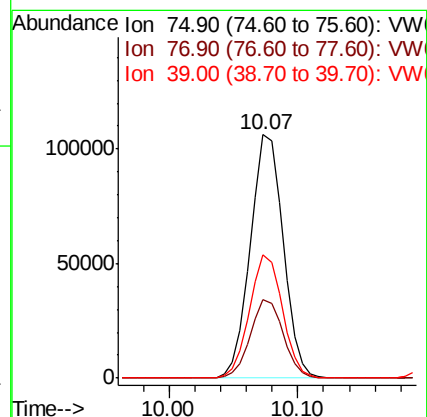
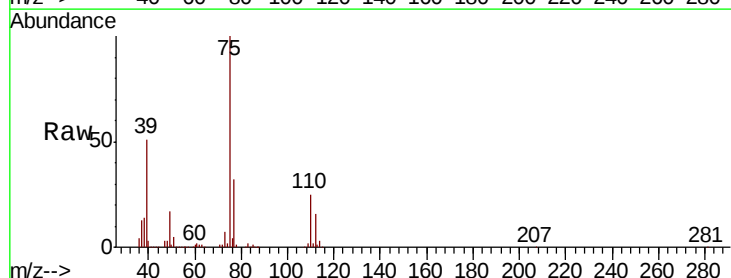
Tgt Ion: 75 Resp: 187306

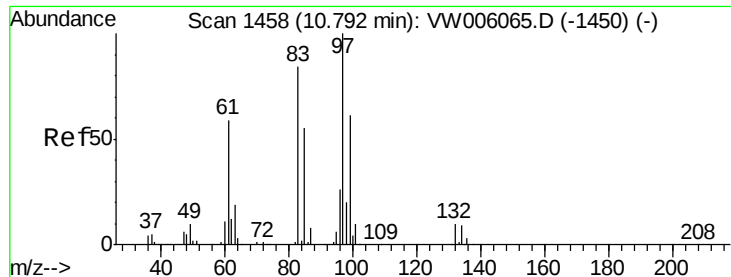
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 50.6 39.9 59.9

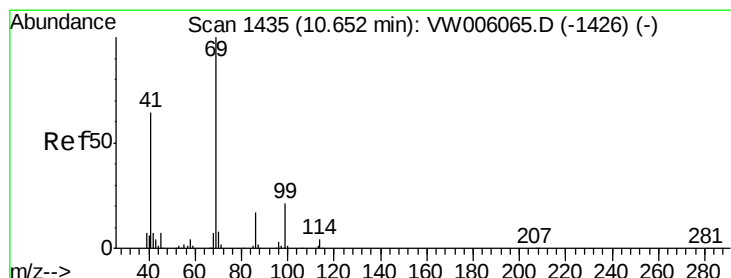
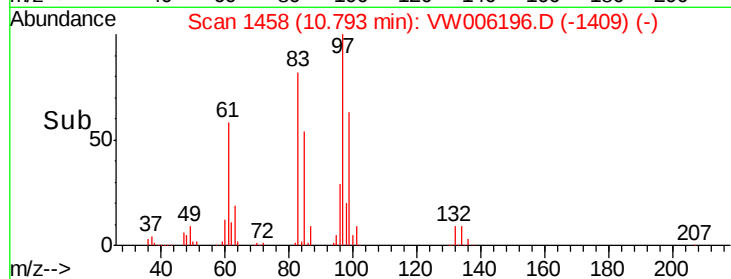
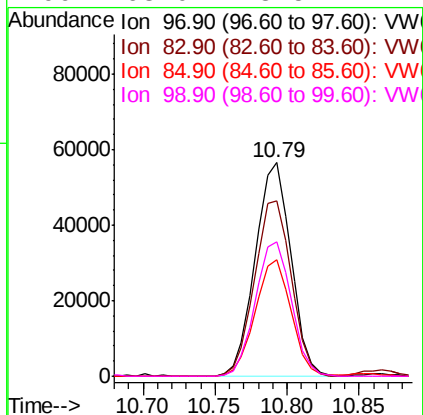
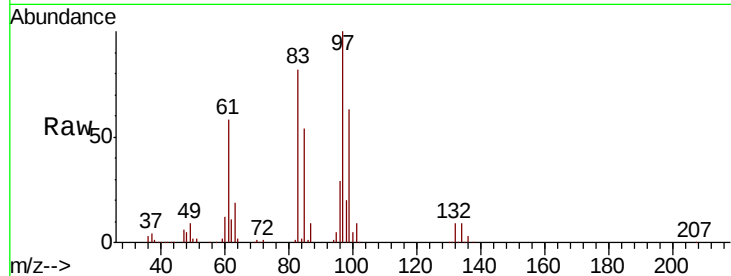




#55
 1,1,2-Trichloroethane
 Concen: 53.799 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

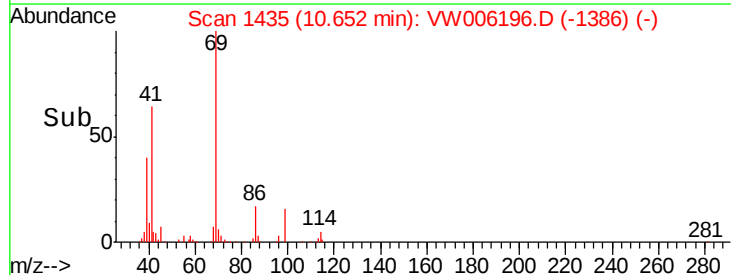
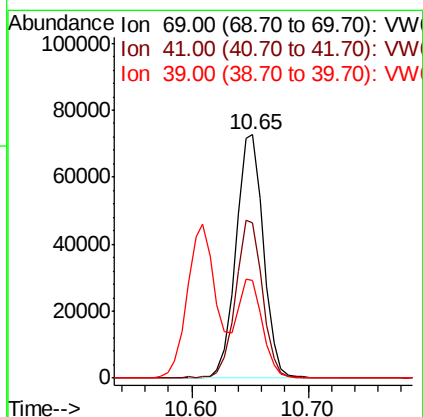
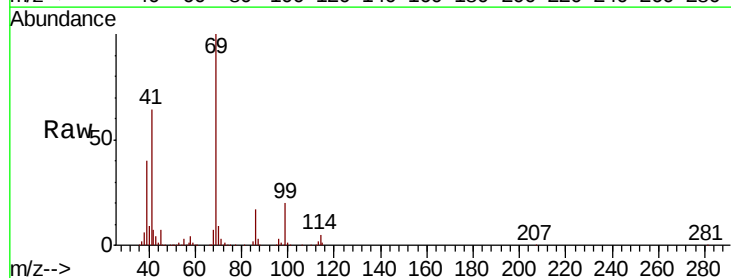
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

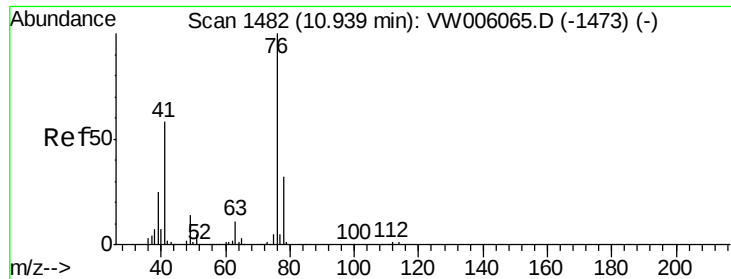
Tot Ion:	97	Resp:	97097
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.2	100.8
85	54.5	43.7	65.5
99	63.0	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 54.036 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Tgt Ion:	69	Resp:	119557
Ion	Ratio	Lower	Upper
69	100		
41	64.3	52.8	79.2
39	35.2	30.6	45.8





#57

1,3-Dichloropropane

Concen: 54.160 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

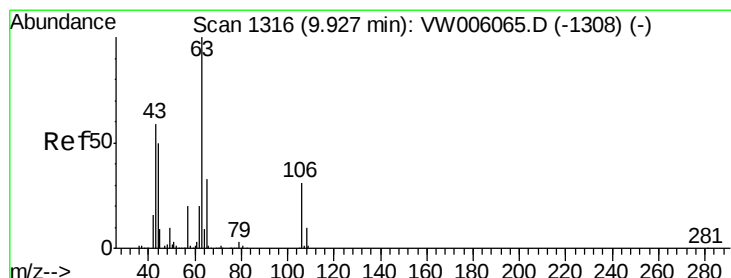
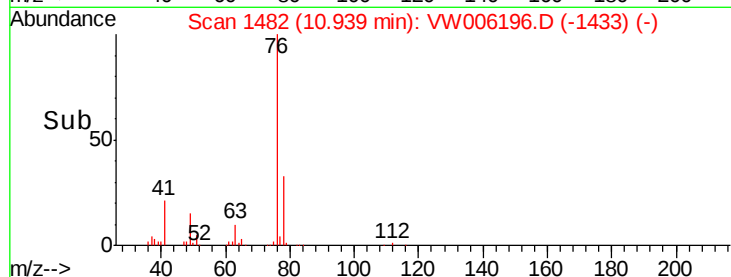
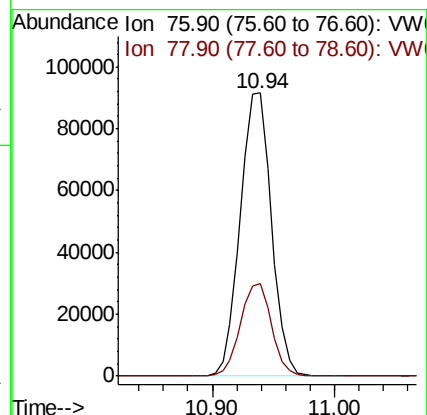
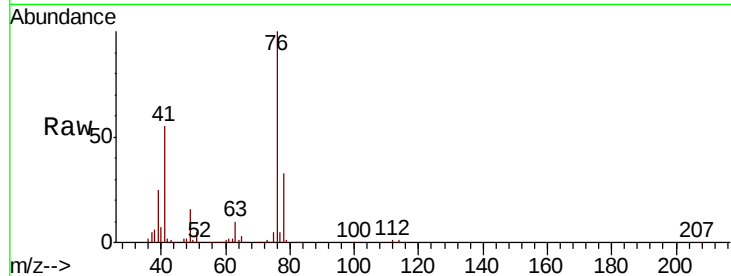
VSTDCCC050

Tot Ion: 76 Resp: 161812

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 245.299 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006196.D

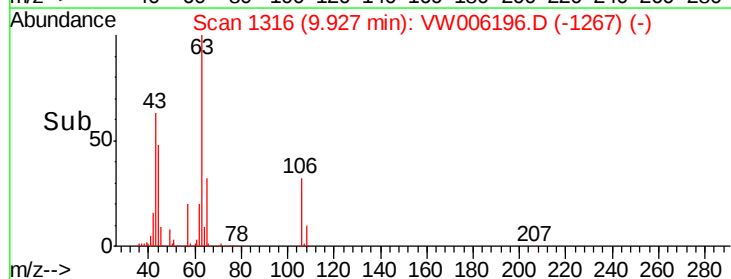
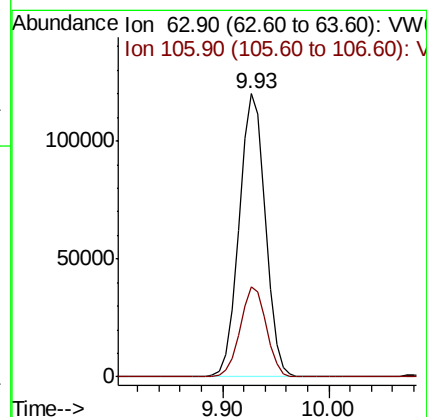
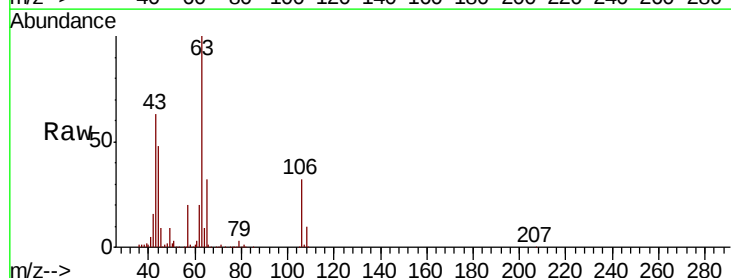
Acq: 19 Oct 2018 01:46

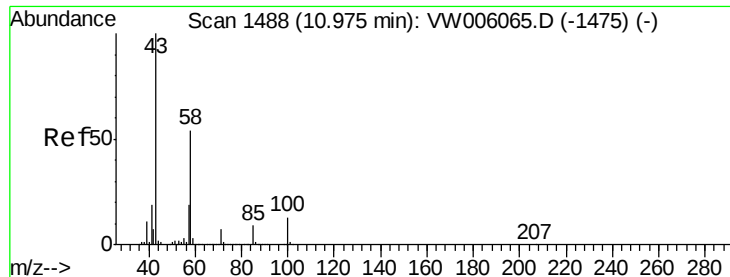
Tgt Ion: 63 Resp: 207384

Ion Ratio Lower Upper

63 100

106 31.9 24.5 36.7

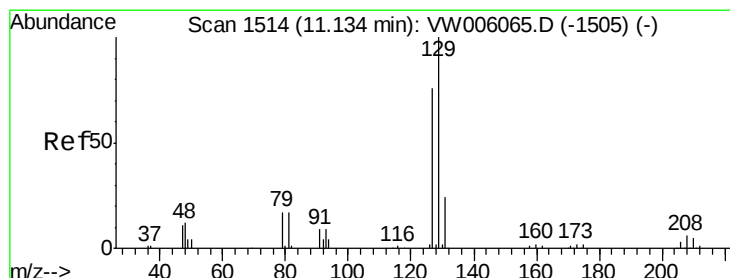
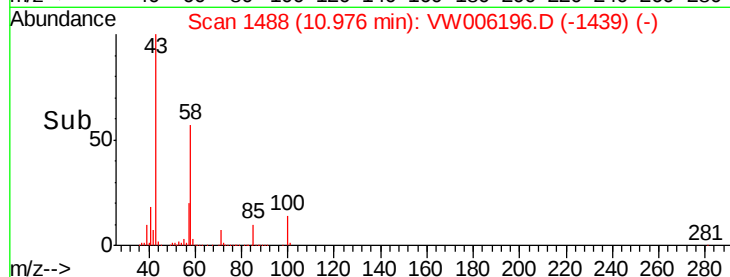
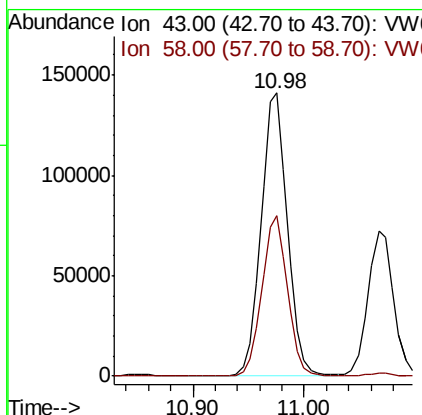
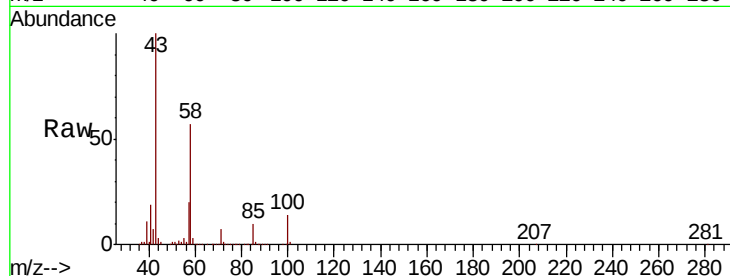




#59
2-Hexanone
Concen: 248.120 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

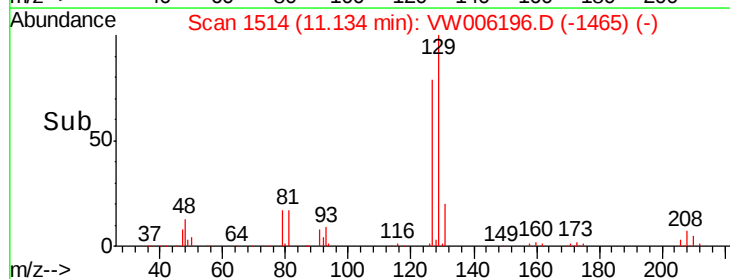
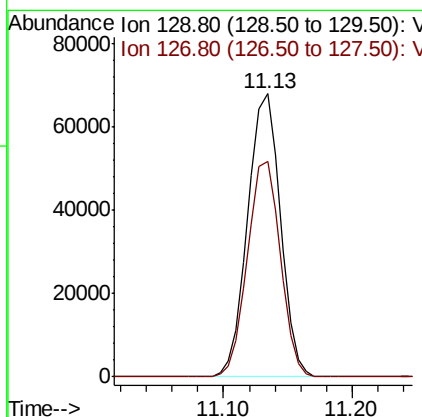
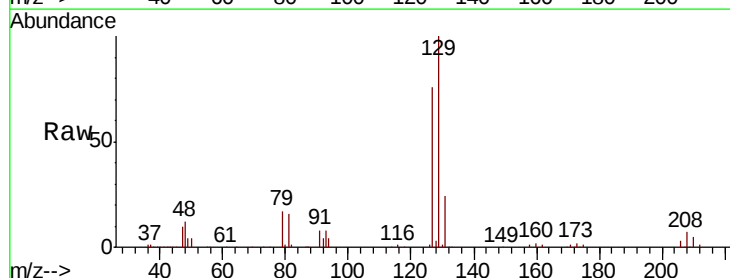
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

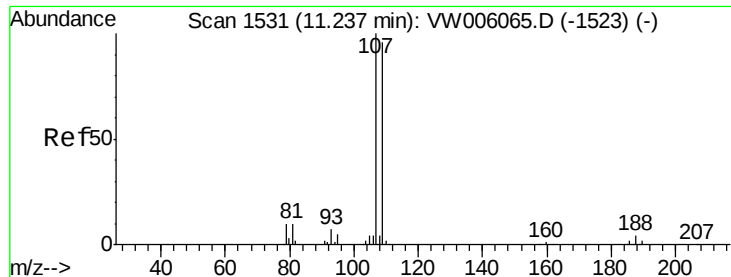
Tot Ion: 43 Resp: 232399
Ion Ratio Lower Upper
43 100
58 55.1 26.9 80.6



#60
Dibromochloromethane
Concen: 53.095 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion: 129 Resp: 119361
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7

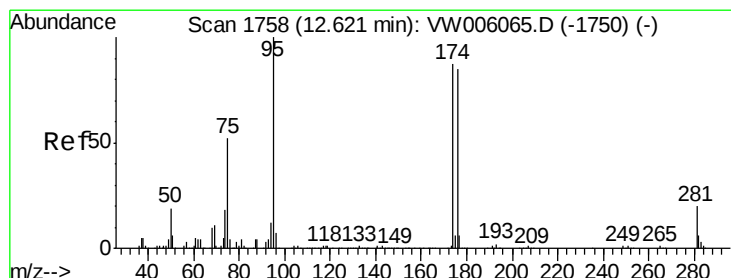
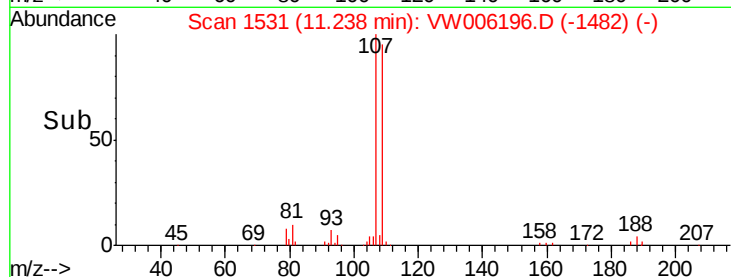
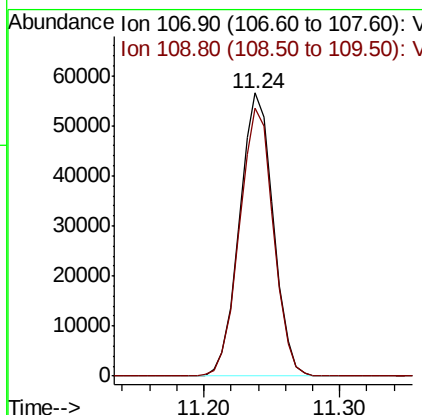
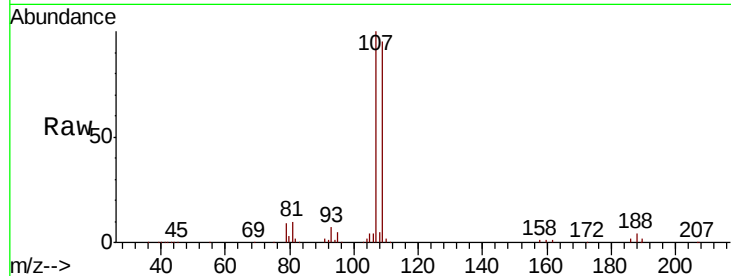




#61
 1,2-Dibromoethane
 Concen: 54.297 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

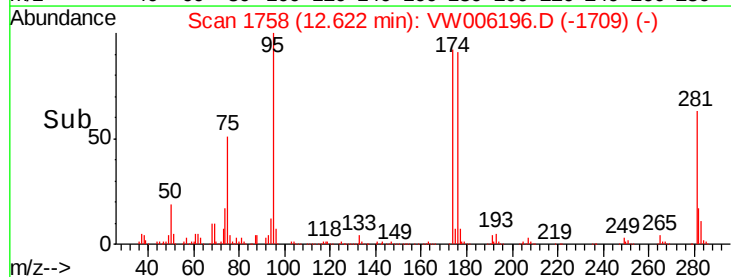
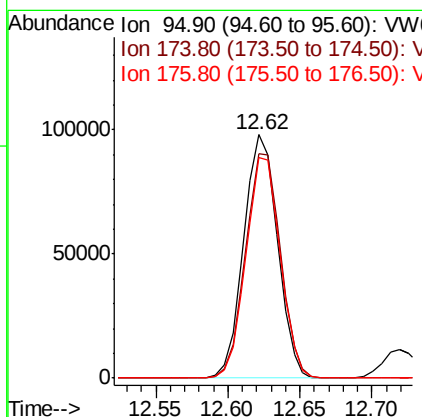
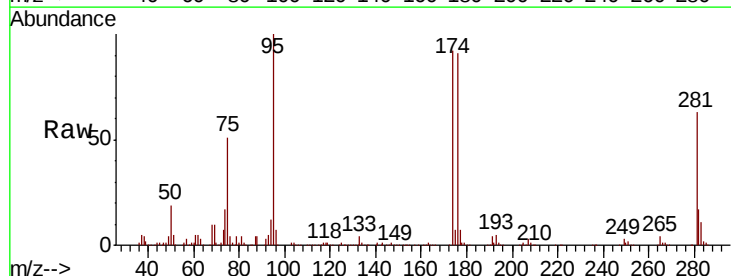
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

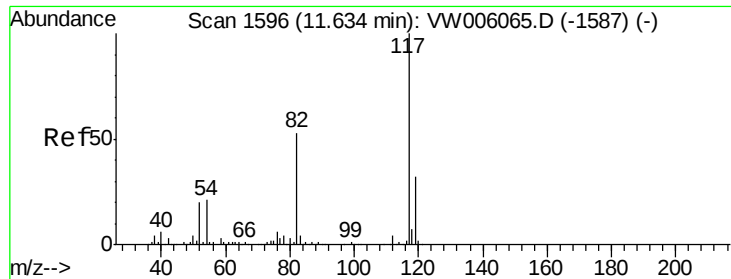
Tot Ion:107 Resp: 97916
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 50.398 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Tgt Ion: 95 Resp: 159155
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 186.0
 176 91.8 0.0 181.6

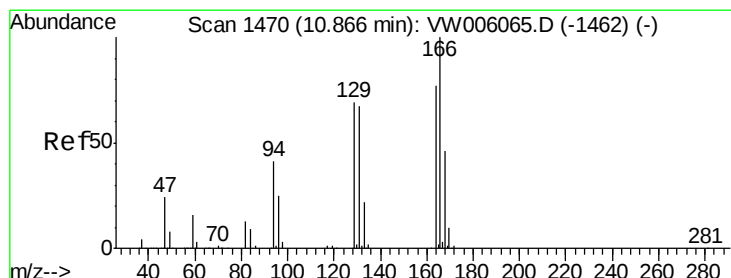
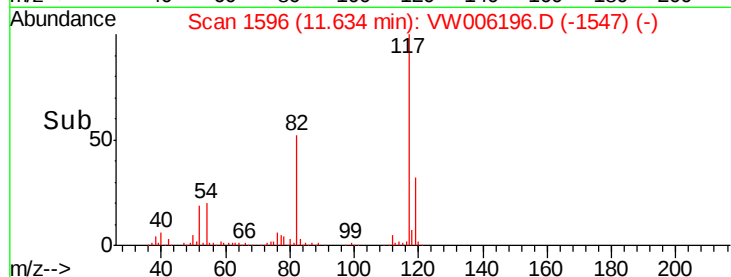
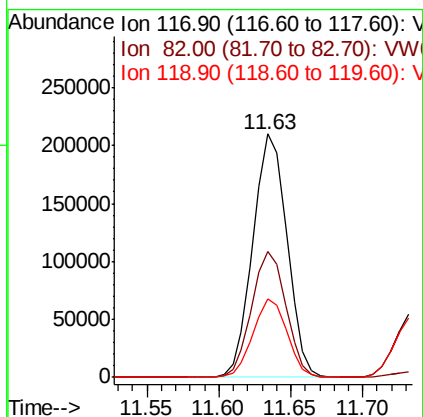
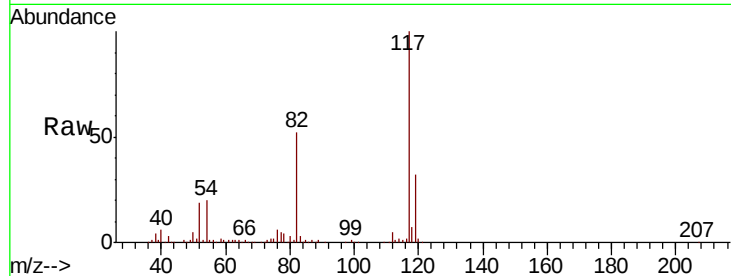




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

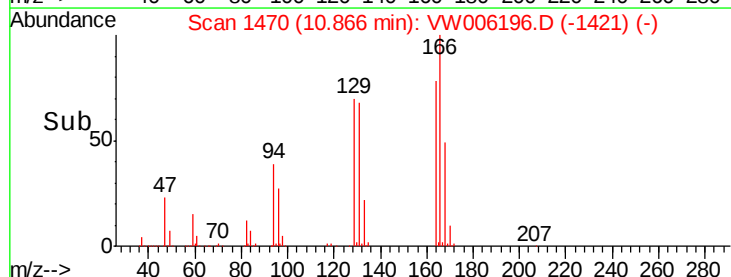
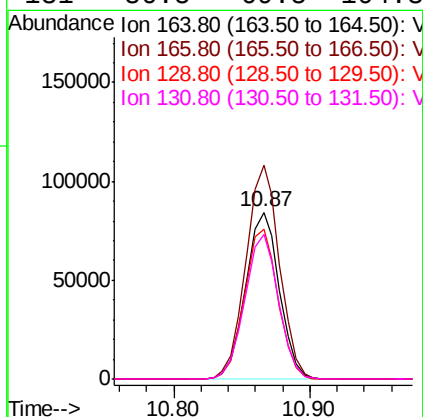
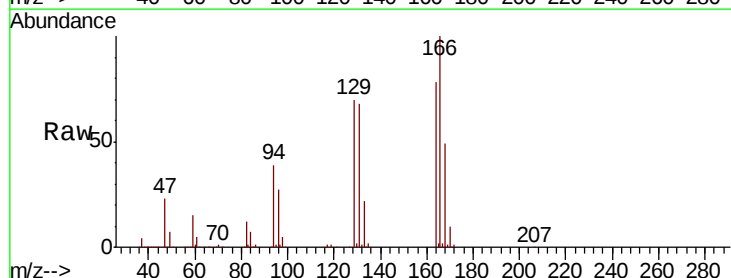
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

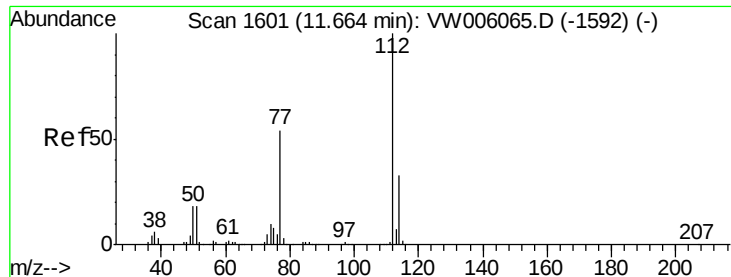
Tot Ion:117 Resp: 345050
Ion Ratio Lower Upper
117 100
82 51.7 42.1 63.1
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 54.786 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion:164 Resp: 146753
Ion Ratio Lower Upper
164 100
166 128.0 103.4 155.0
129 89.5 71.8 107.8
131 86.5 69.5 104.3

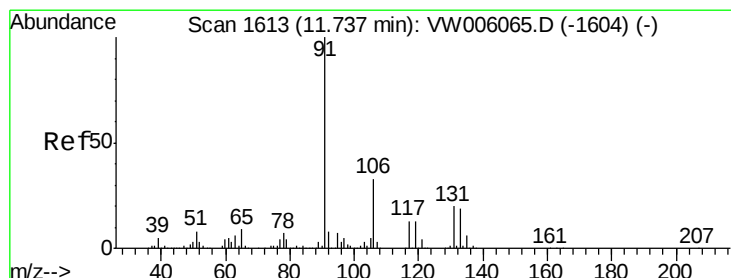
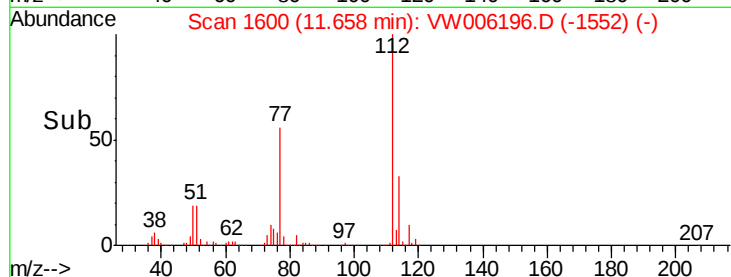
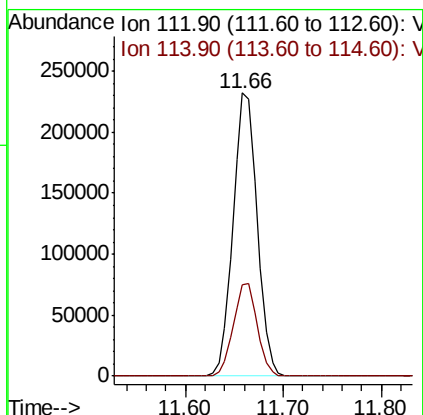
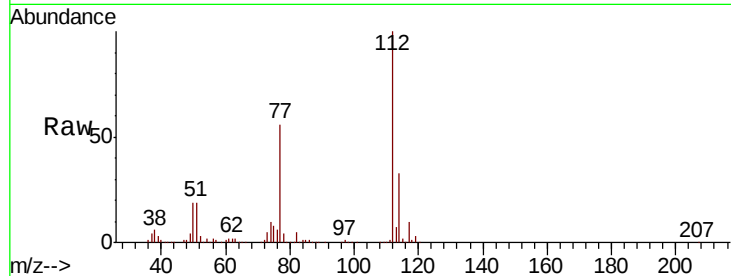




#65
Chlorobenzene
Concen: 53.649 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

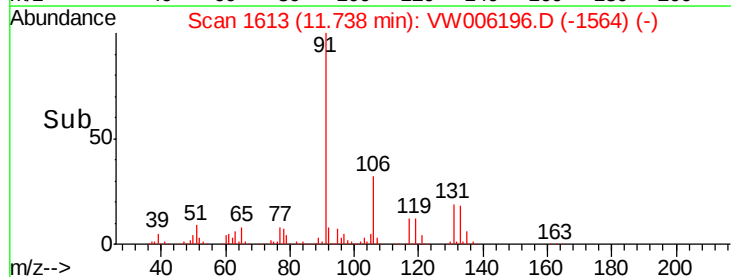
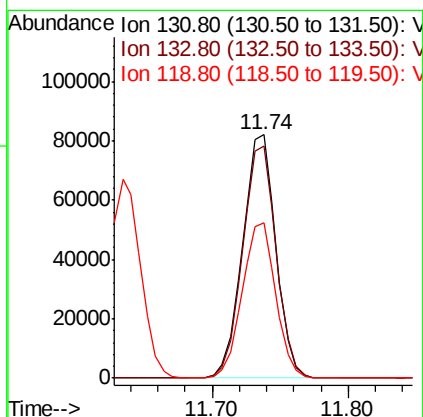
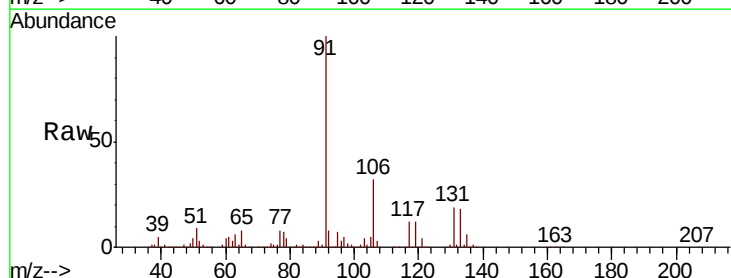
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

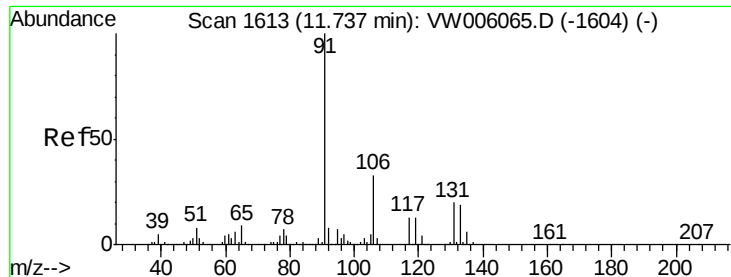
Tot Ion:112 Resp: 396283
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.348 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion:131 Resp: 140040
Ion Ratio Lower Upper
131 100
133 96.3 48.1 144.3
119 64.4 31.6 94.7

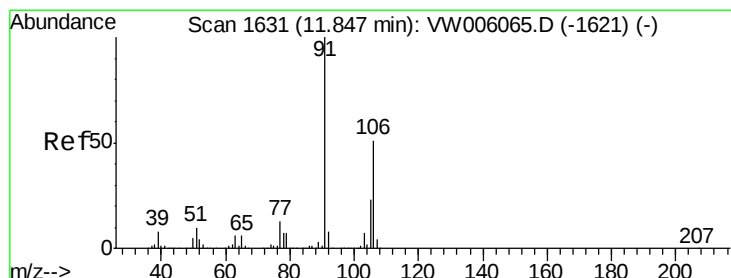
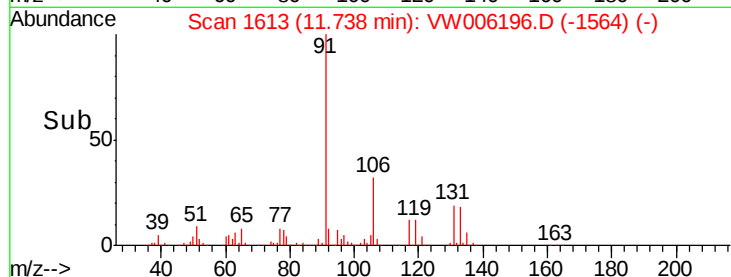
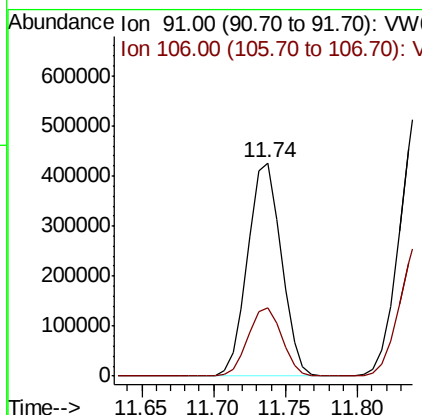
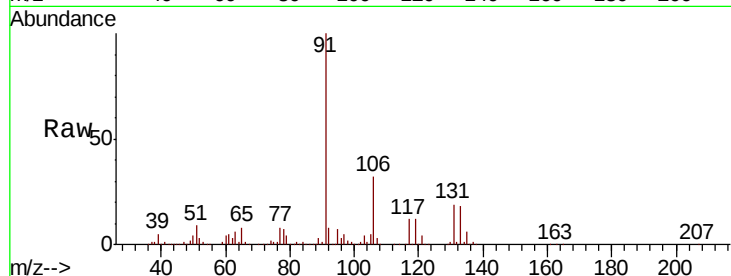




#67
Ethyl Benzene
Concen: 53.897 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

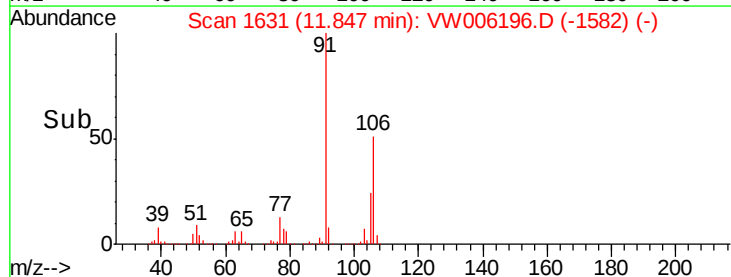
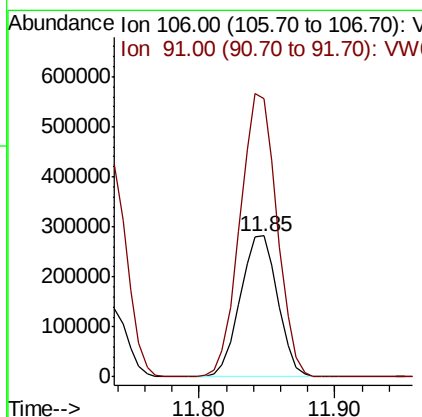
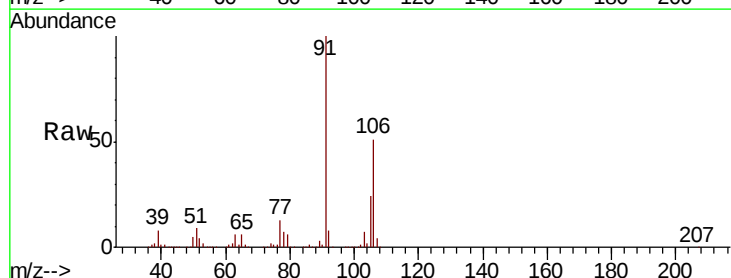
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

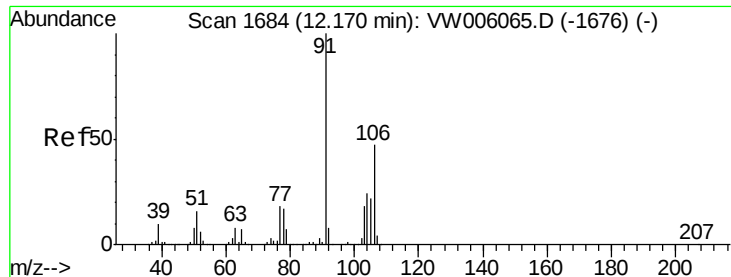
Tot Ion: 91 Resp: 689938
Ion Ratio Lower Upper
91 100
106 32.2 26.1 39.1



#68
m/p-Xylenes
Concen: 107.462 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion: 106 Resp: 543718
Ion Ratio Lower Upper
106 100
91 197.7 159.1 238.7

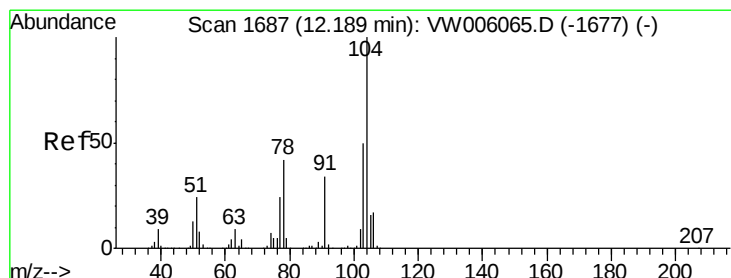
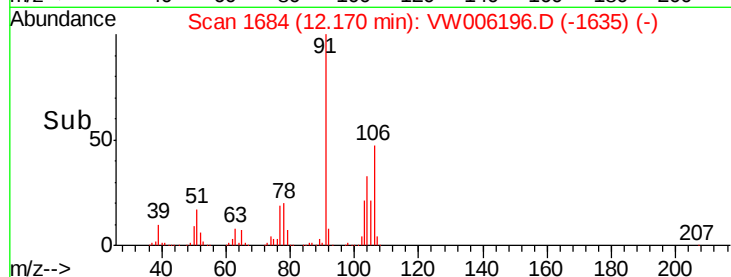
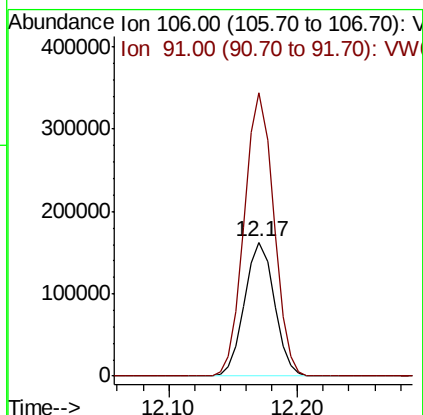
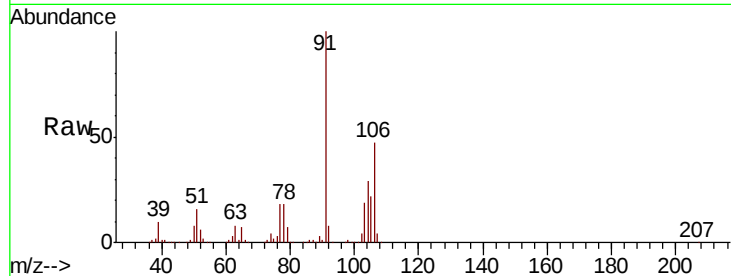




#69
o-Xylene
Concen: 53.805 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

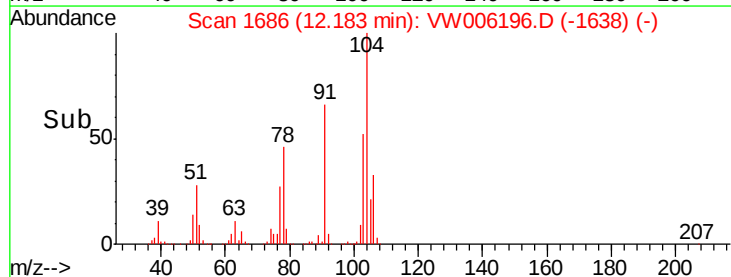
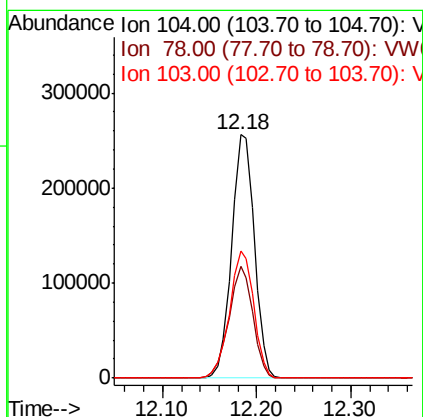
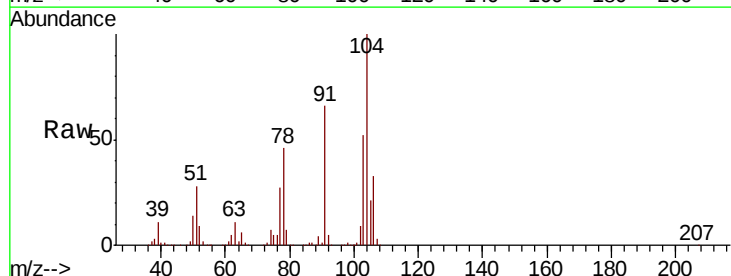
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

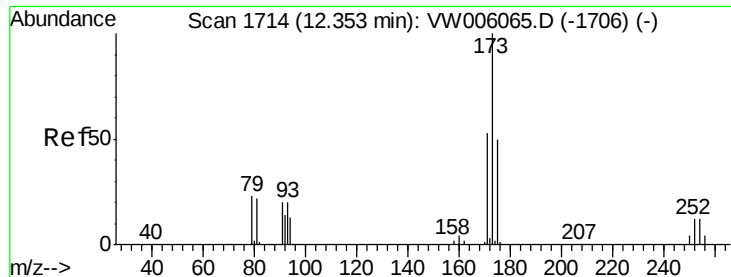
Tot Ion:106 Resp: 259447
Ion Ratio Lower Upper
106 100
91 209.9 105.4 316.1



#70
Styrene
Concen: 54.676 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion:104 Resp: 428730
Ion Ratio Lower Upper
104 100
78 48.3 39.1 58.7
103 55.4 44.3 66.5





#71

Bromoform

Concen: 50.570 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

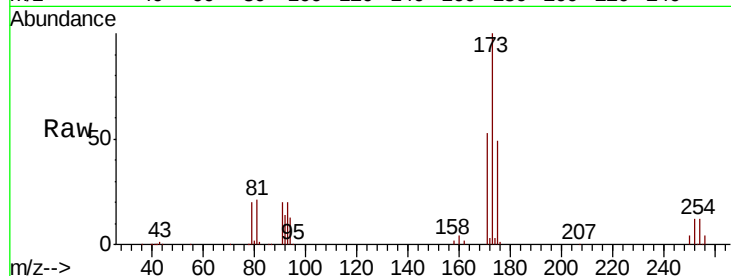
Tot Ion:173 Resp: 74043

Ion Ratio Lower Upper

173 100

175 49.0 24.2 72.6

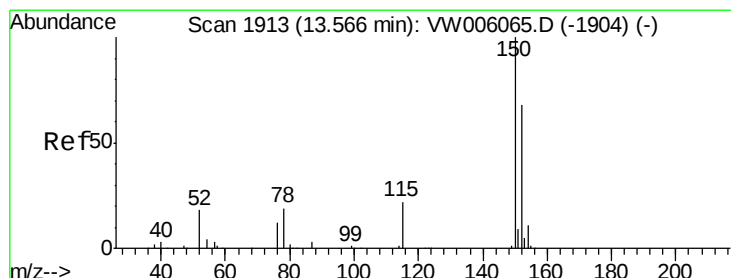
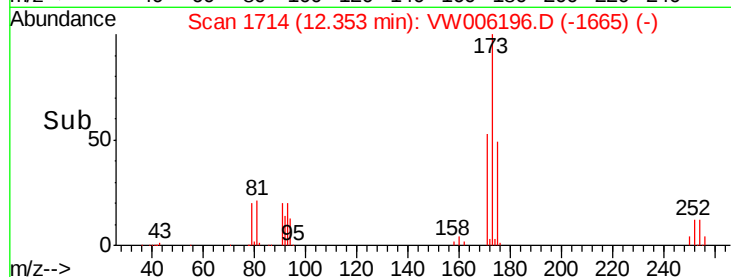
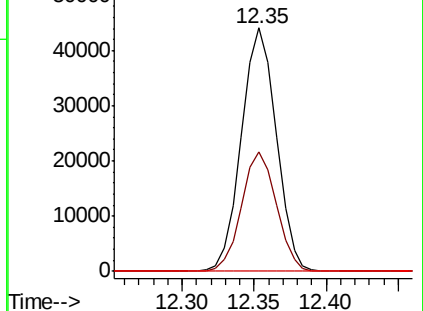
254 0.1 0.1 0.1#



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# 1913

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

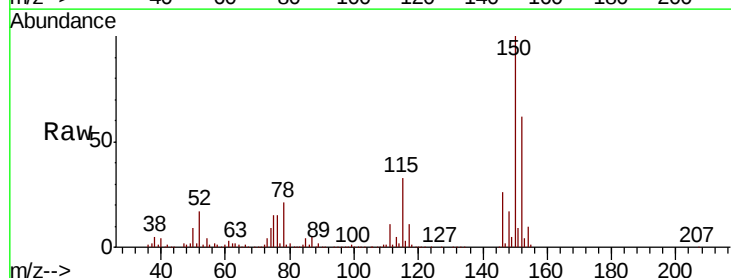
Tgt Ion:152 Resp: 194700

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.3

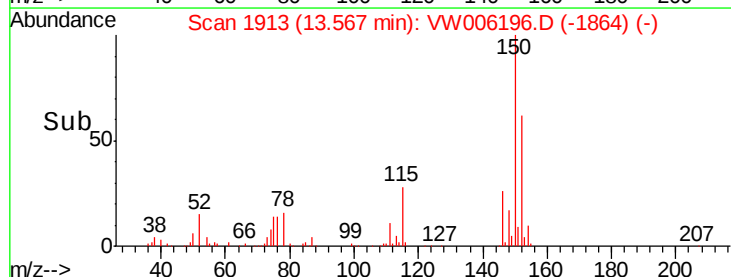
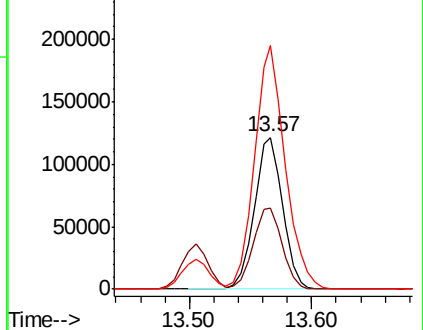
150 174.0 0.0 349.2

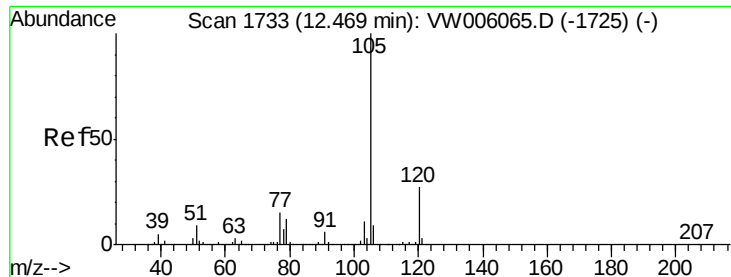


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.780 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

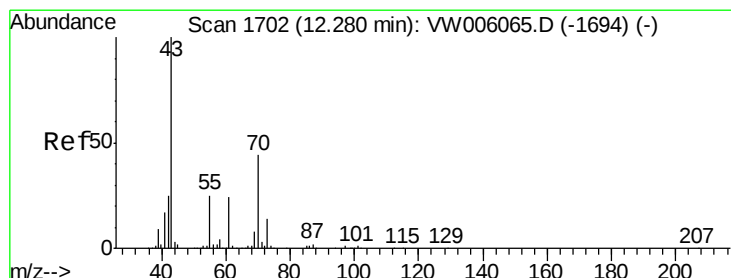
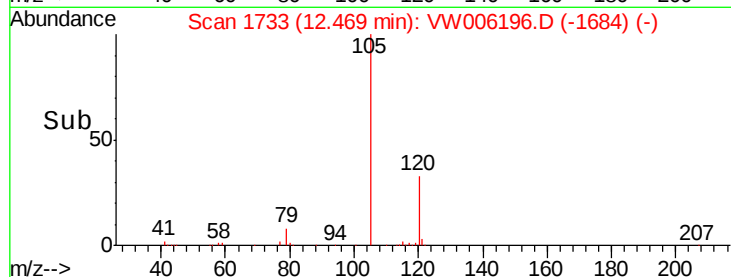
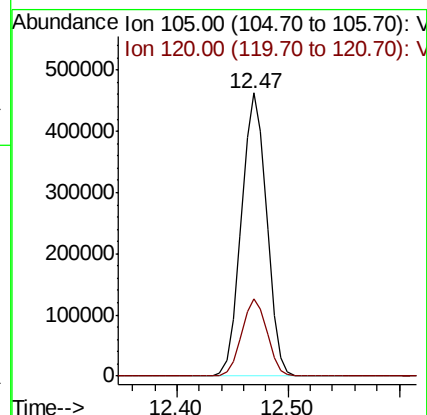
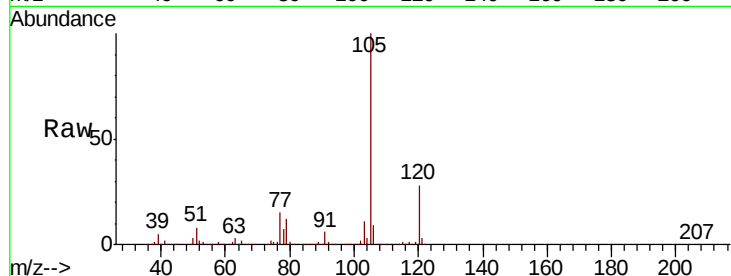
VSTDCCC050

Tot Ion:105 Resp: 725982

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 50.775 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Tgt Ion: 43 Resp: 135650

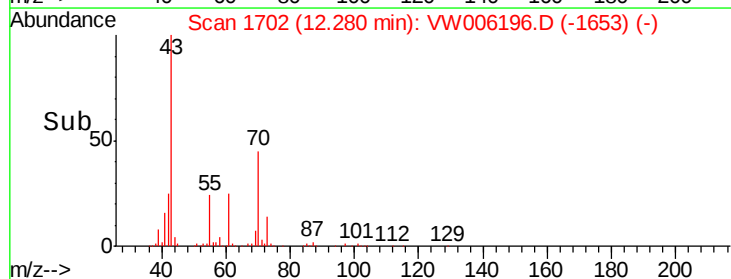
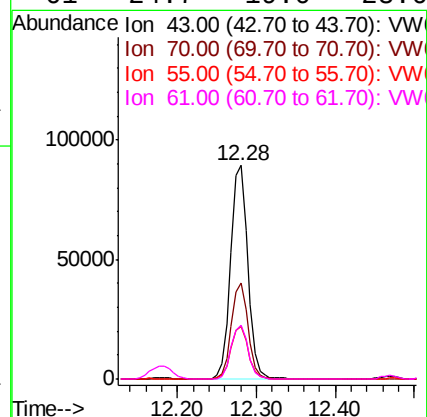
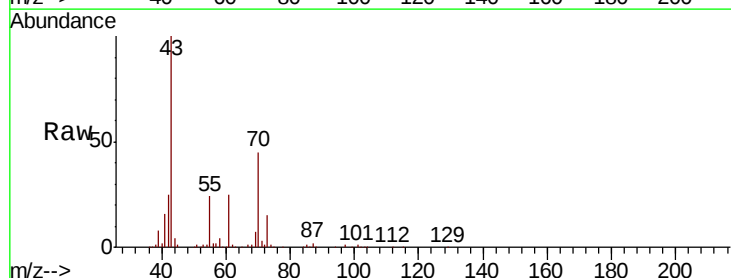
Ion Ratio Lower Upper

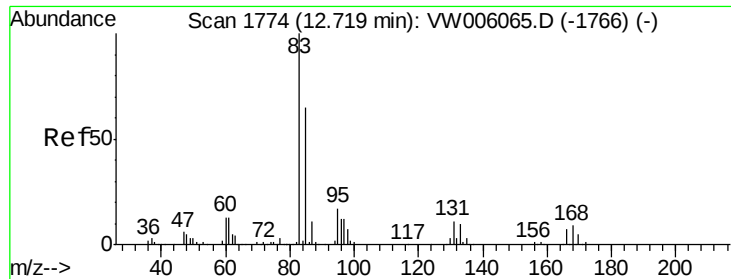
43 100

70 44.0 34.2 51.4

55 24.6 19.2 28.8

61 24.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.909 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

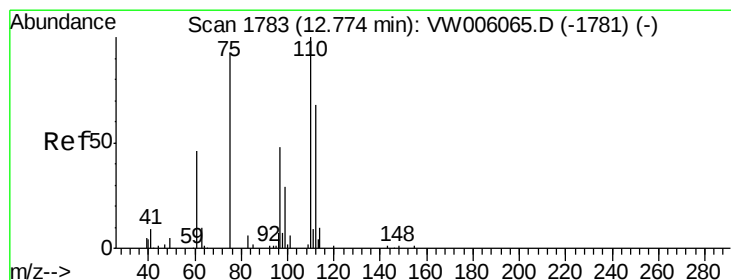
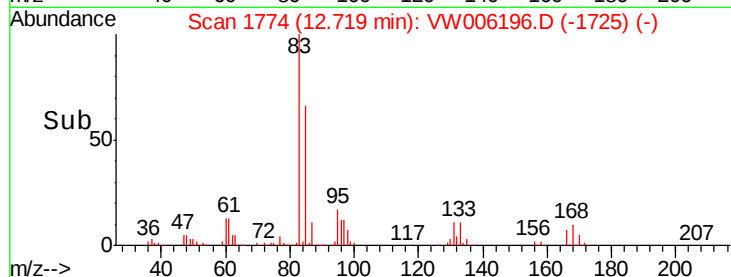
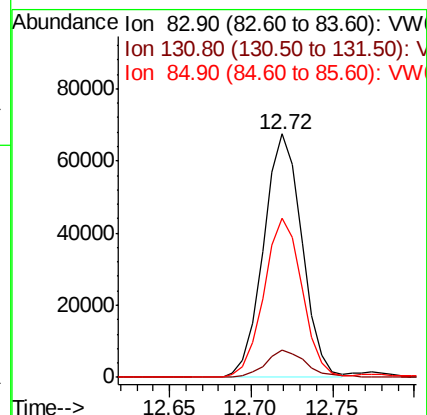
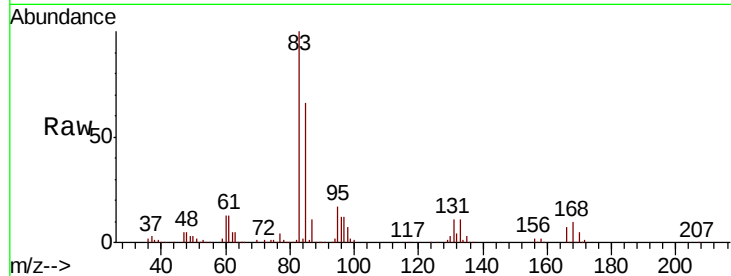
Tot Ion: 83 Resp: 110689

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.7

85 65.2 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 95.861 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006196.D

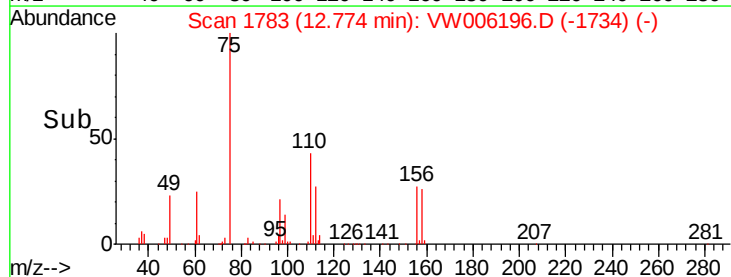
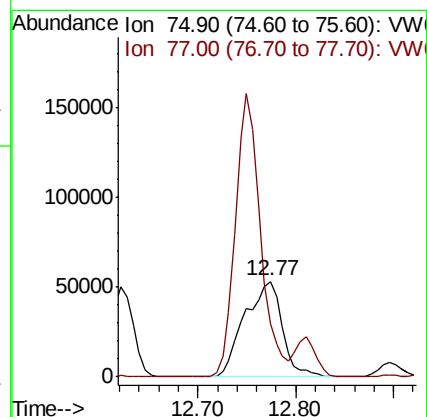
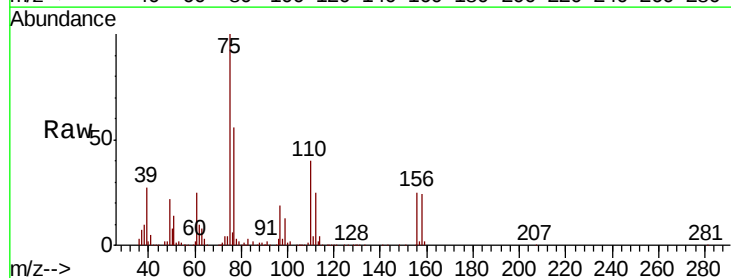
Acq: 19 Oct 2018 01:46

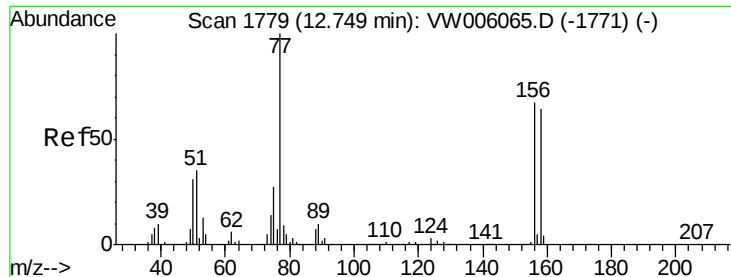
Tgt Ion: 75 Resp: 142557

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.972 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

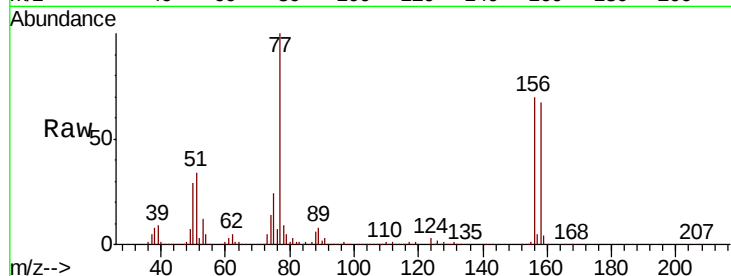
Tot Ion:156 Resp: 181835

Ion Ratio Lower Upper

156 100

77 156.0 79.1 237.4

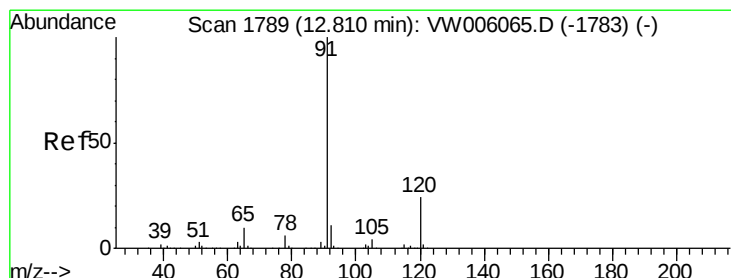
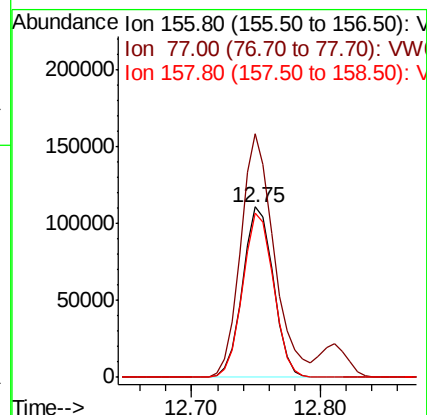
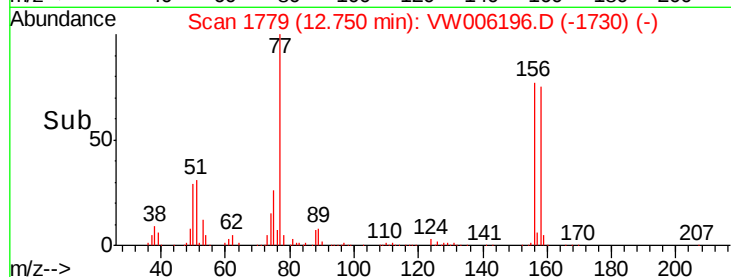
158 97.0 48.5 145.6



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: 52.828 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006196.D

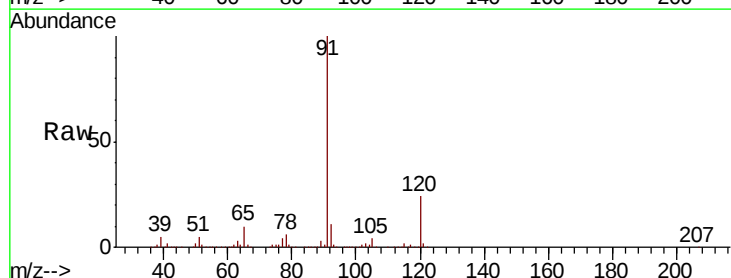
Acq: 19 Oct 2018 01:46

Tgt Ion: 91 Resp: 845388

Ion Ratio Lower Upper

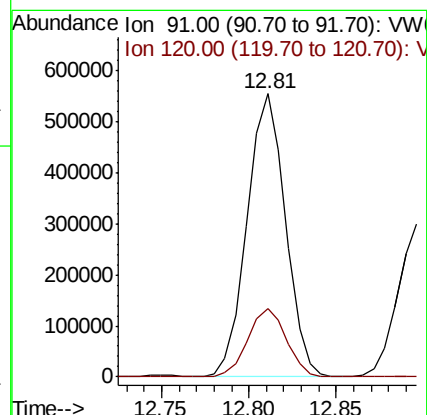
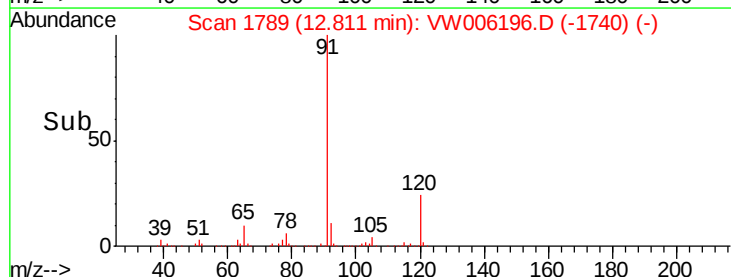
91 100

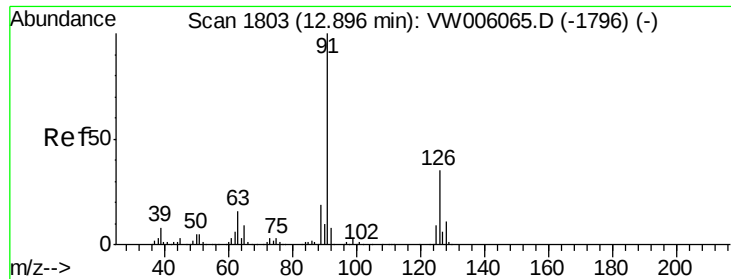
120 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.359 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

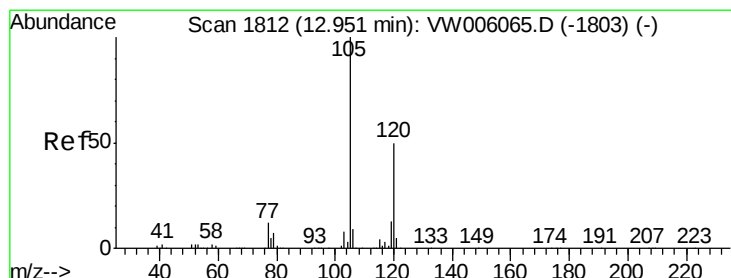
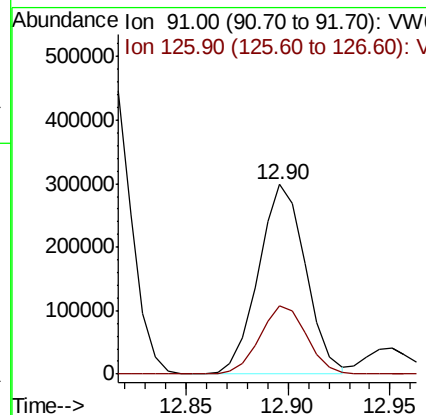
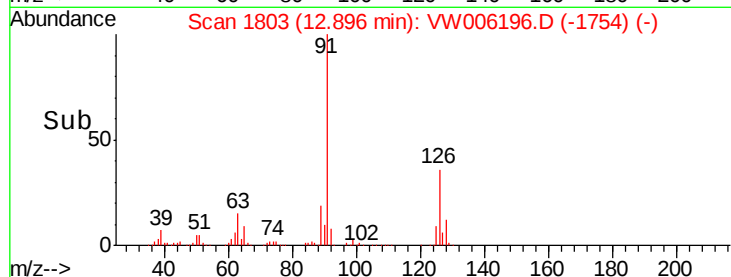
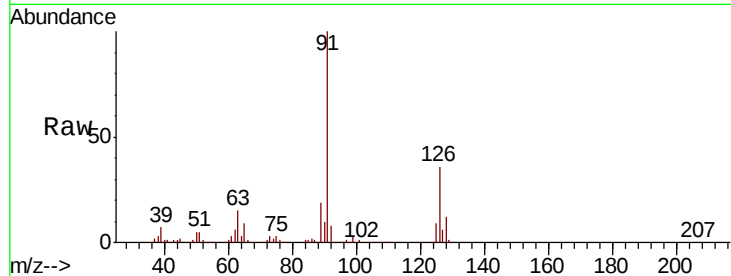
VSTDCCC050

Tot Ion: 91 Resp: 479763

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 53.100 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006196.D

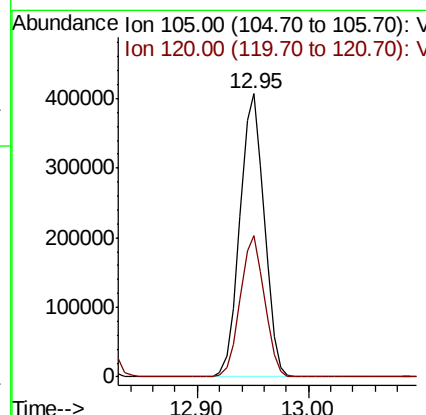
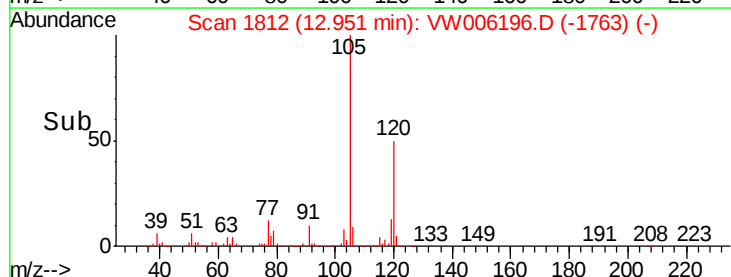
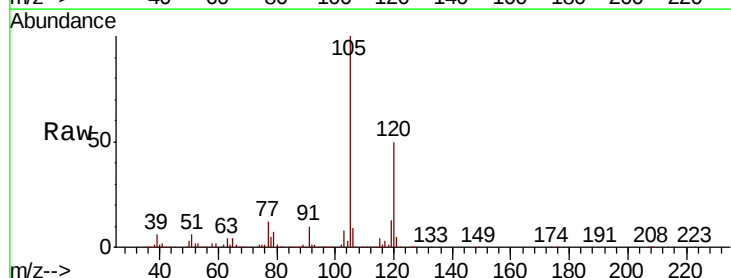
Acq: 19 Oct 2018 01:46

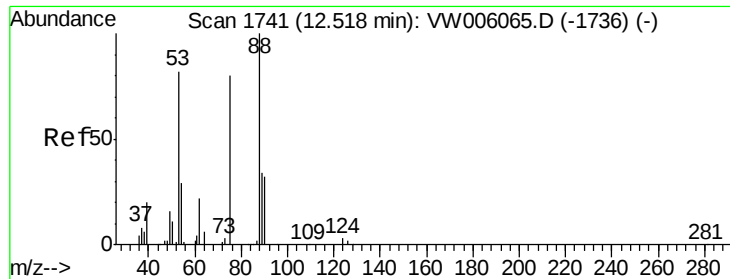
Tgt Ion:105 Resp: 615730

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 45.118 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

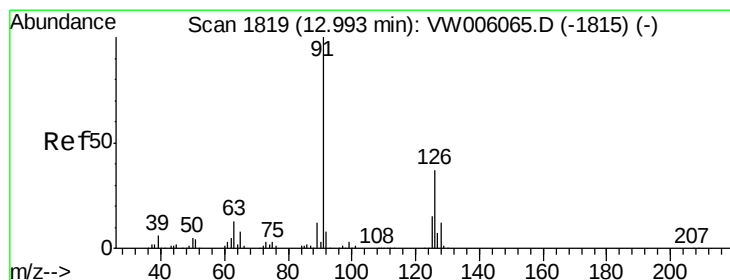
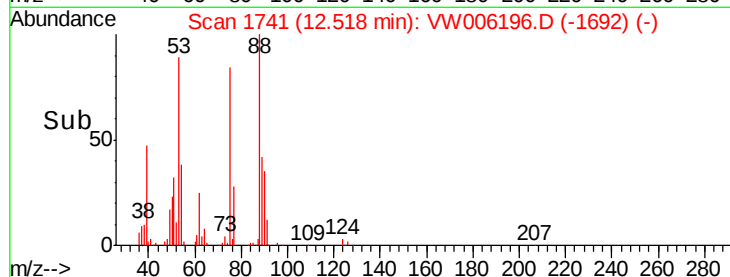
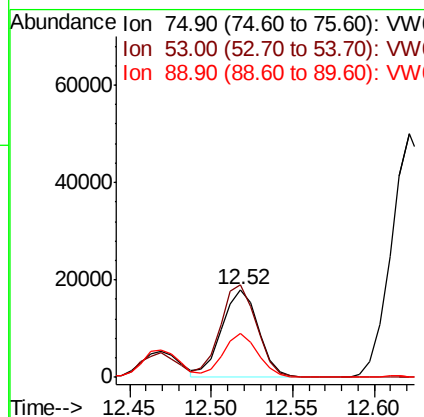
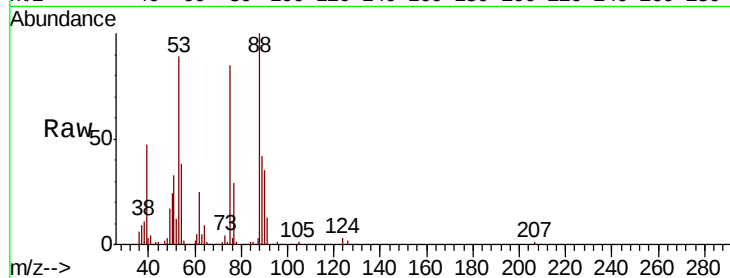
Tot Ion: 75 Resp: 28069

Ion Ratio Lower Upper

75 100

53 106.7 79.8 119.6

89 47.1 37.5 56.3



#82

4-Chlorotoluene

Concen: 53.847 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006196.D

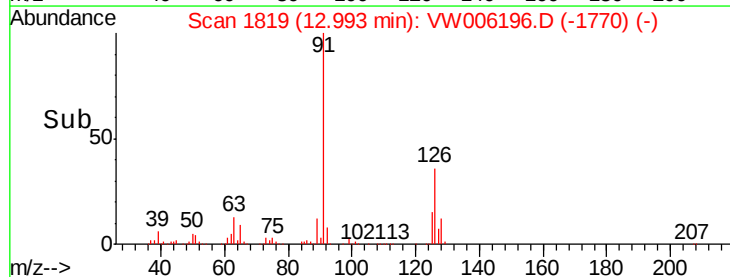
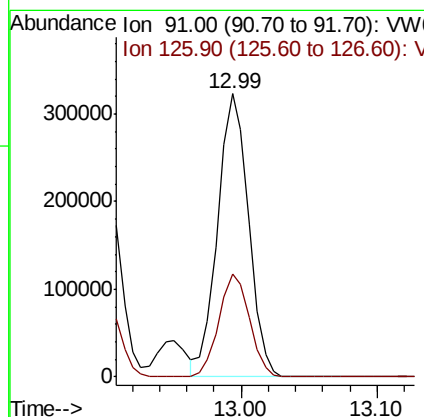
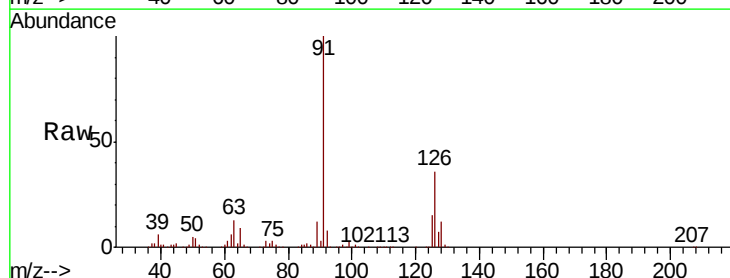
Acq: 19 Oct 2018 01:46

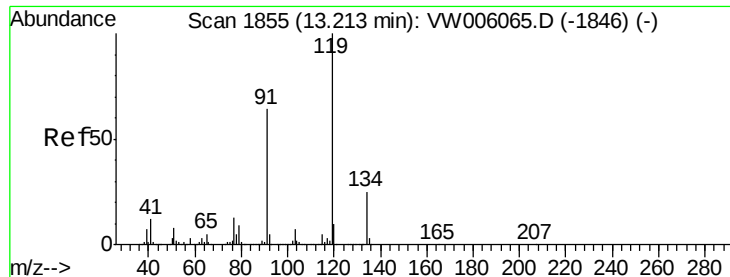
Tgt Ion: 91 Resp: 507167

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.3

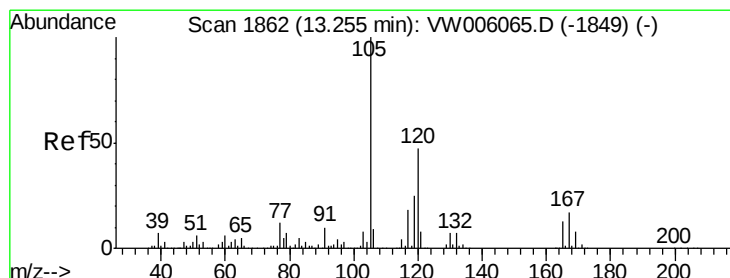
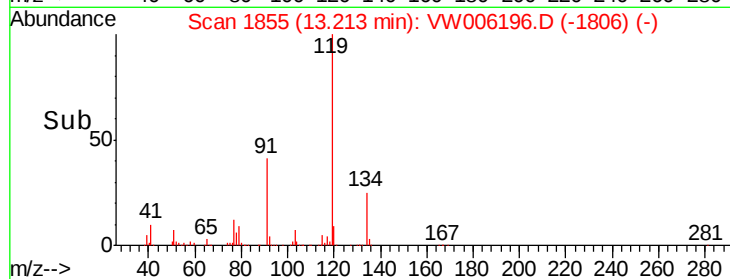
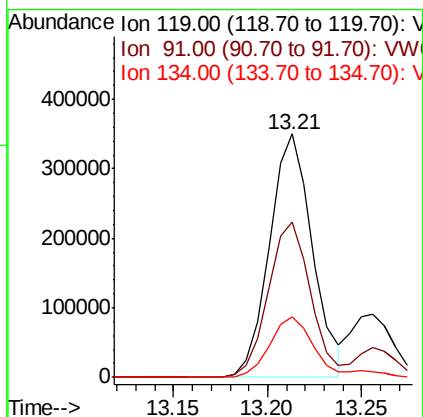
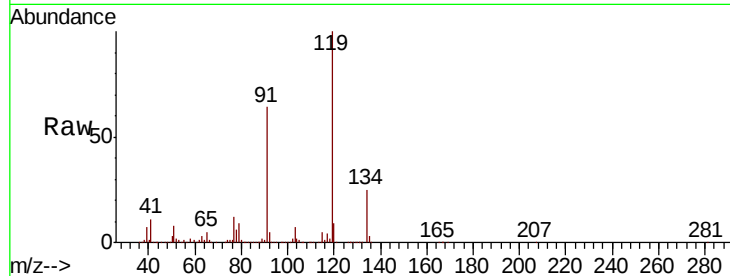




#83
tert-Butylbenzene
Concen: 53.204 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

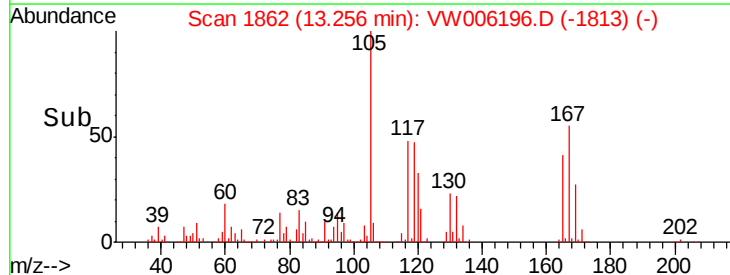
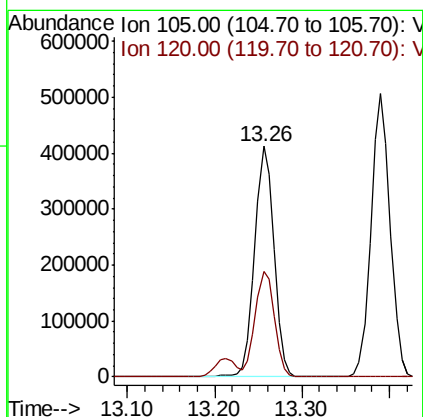
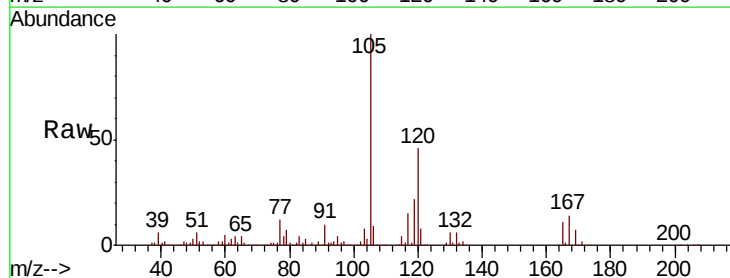
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

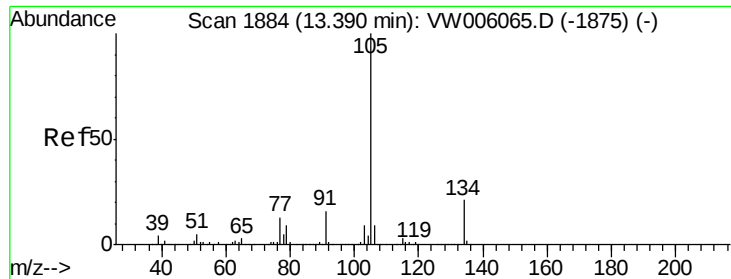
Tot Ion:119 Resp: 551973
Ion Ratio Lower Upper
119 100
91 62.8 32.3 96.9
134 25.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 53.786 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion:105 Resp: 631114
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.3





#85

sec-Butylbenzene

Concen: 52.638 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

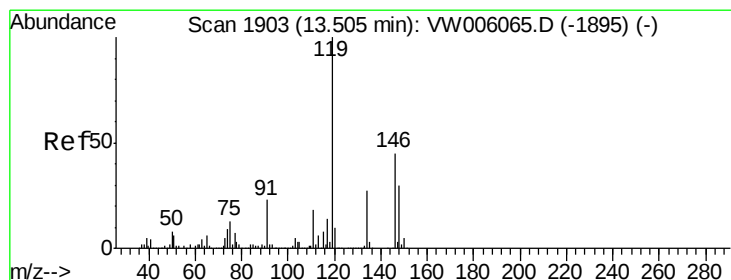
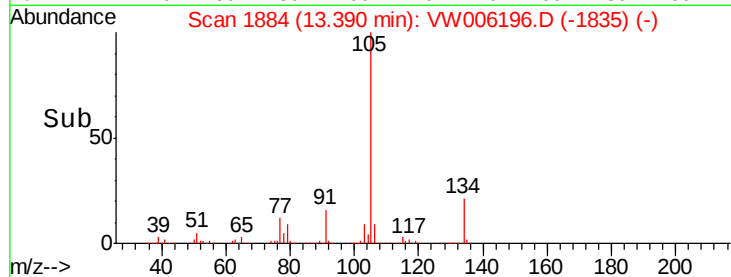
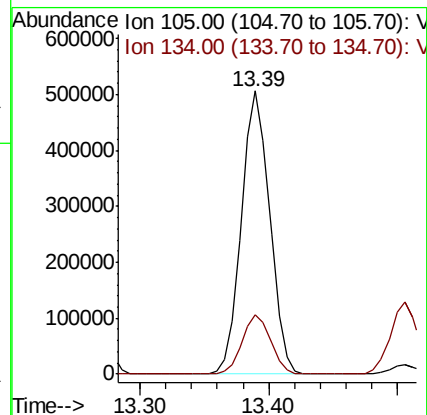
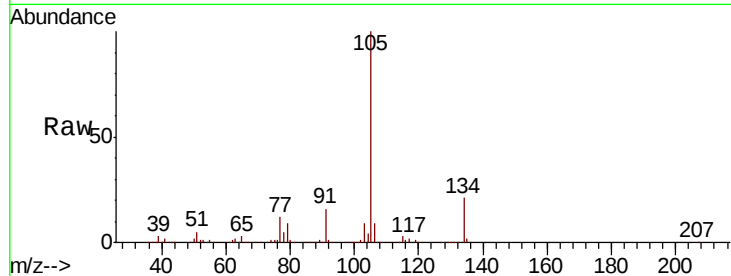
VSTDCCC050

Tot Ion:105 Resp: 771495

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.6



#86

p-Isopropyltoluene

Concen: 52.928 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

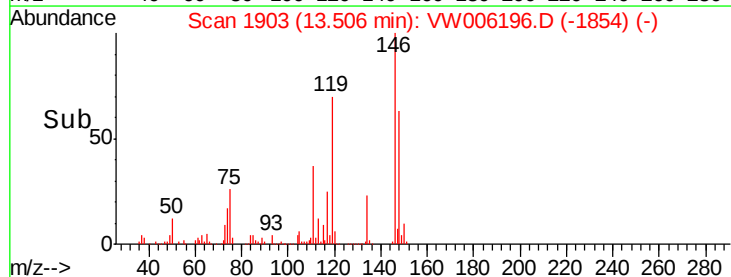
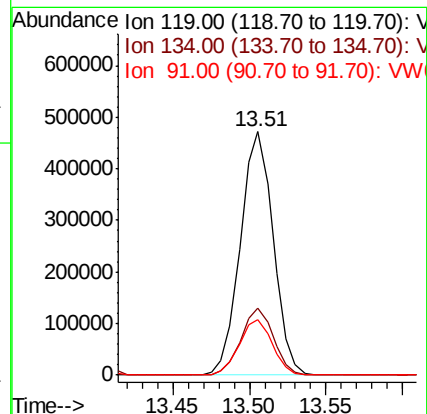
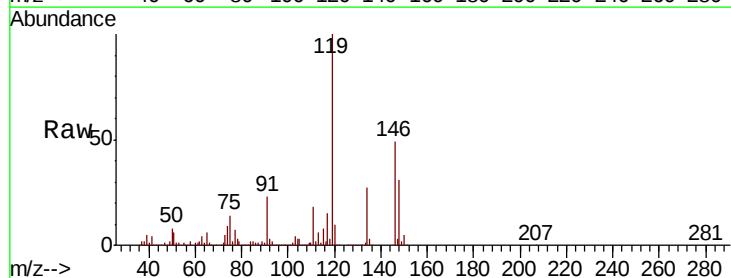
Tgt Ion:119 Resp: 701672

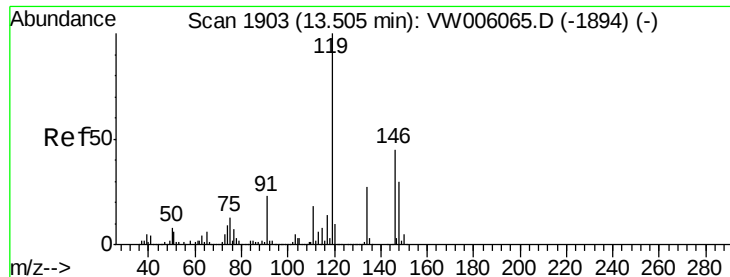
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 22.8 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 54.012 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

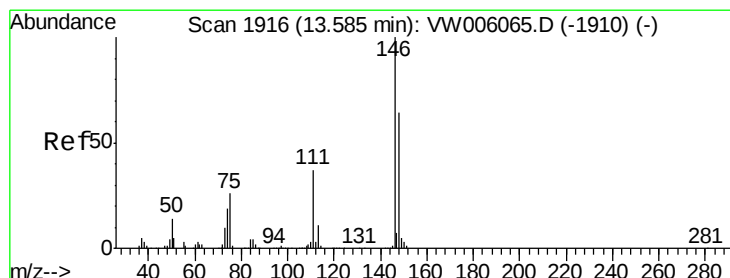
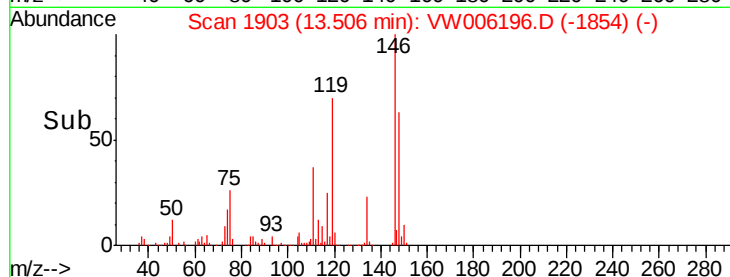
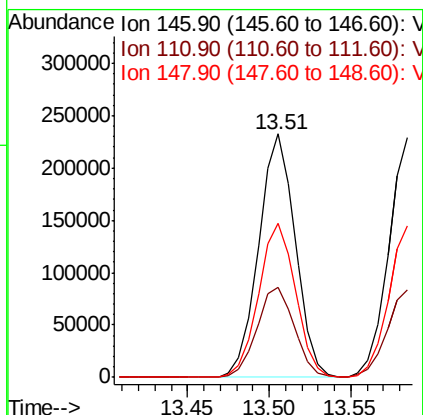
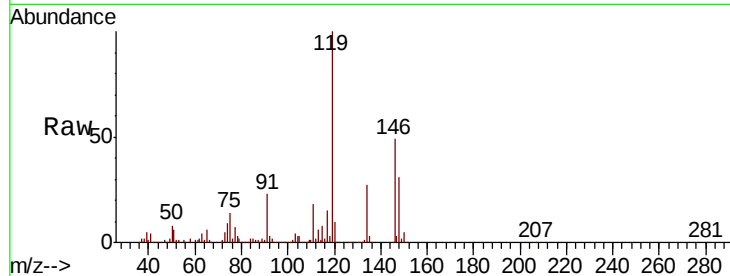
Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 362150

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	63.8	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 53.472 ug/l

RT: 13.58 min Scan# 1916

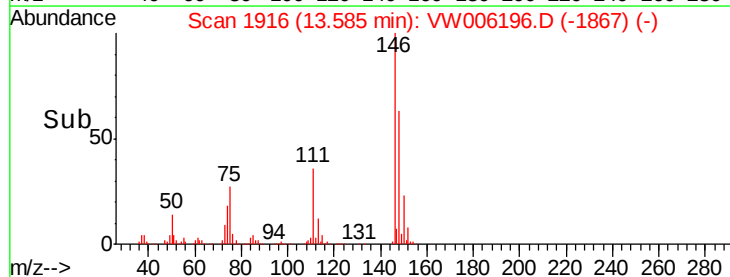
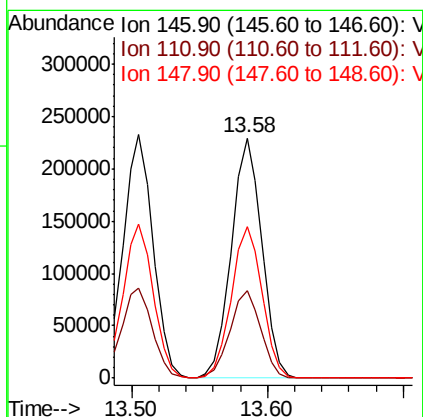
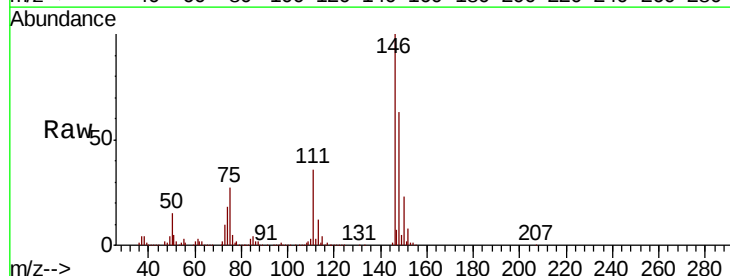
Delta R.T. 0.00 min

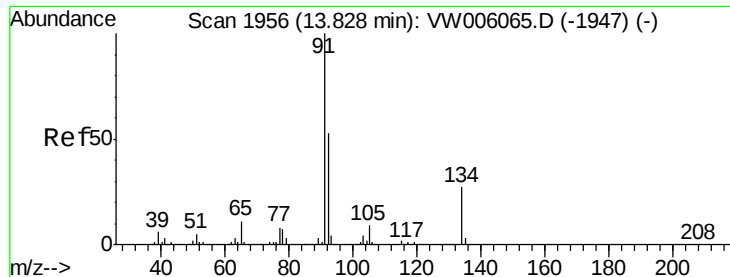
Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Tgt Ion:146 Resp: 356975

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	56.0
148	63.7	32.1	96.5

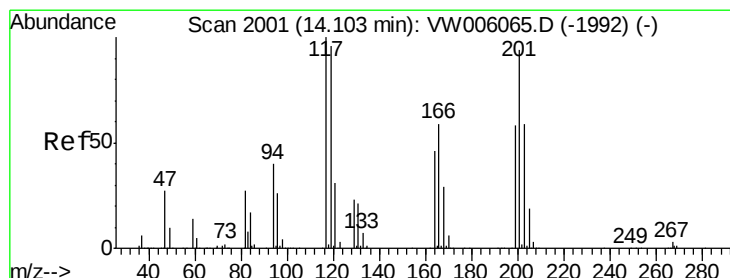
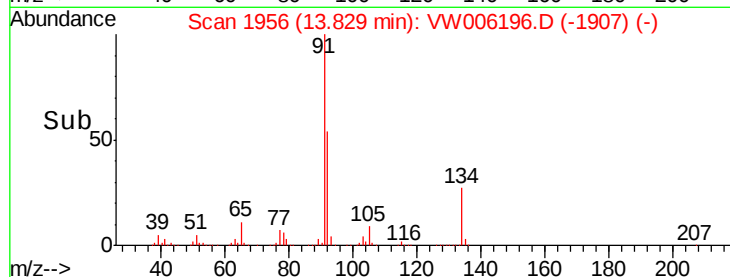
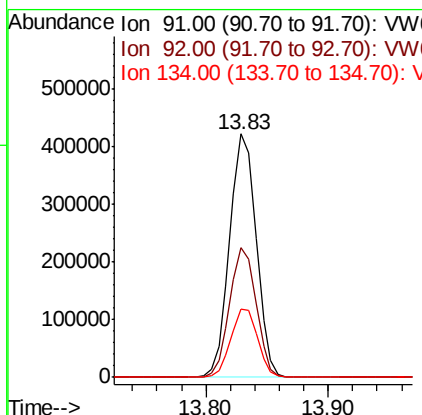
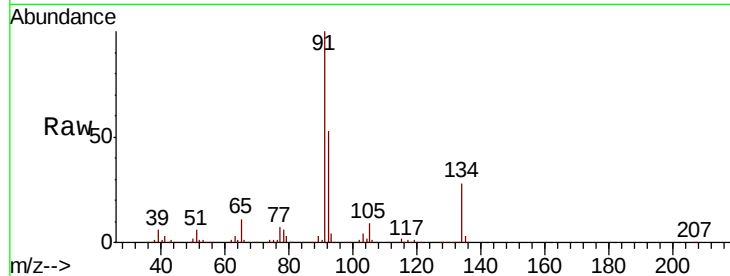




#89
n-Butylbenzene
Concen: 52.225 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

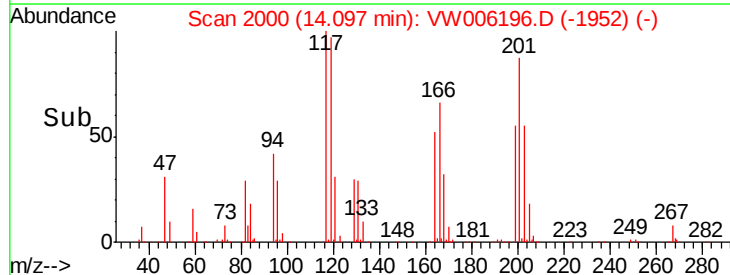
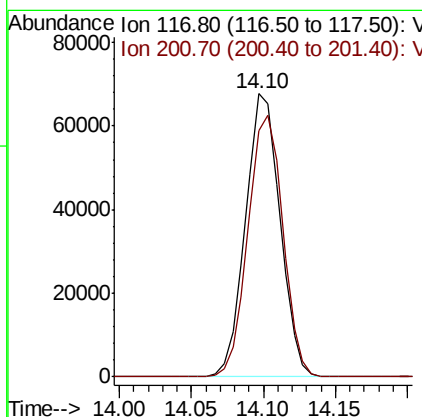
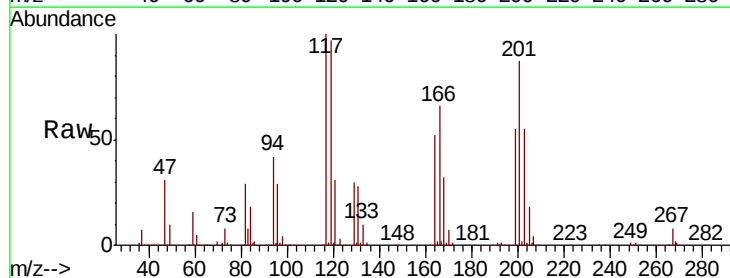
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

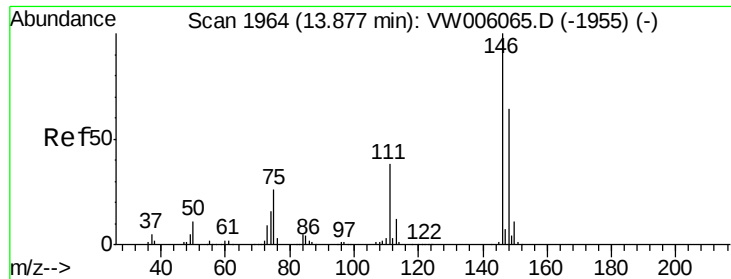
Tot Ion: 91 Resp: 633173
Ion Ratio Lower Upper
91 100
92 53.0 26.6 79.7
134 28.4 14.0 41.9



#90
Hexachloroethane
Concen: 50.047 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion: 117 Resp: 112382
Ion Ratio Lower Upper
117 100
201 93.2 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 53.840 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

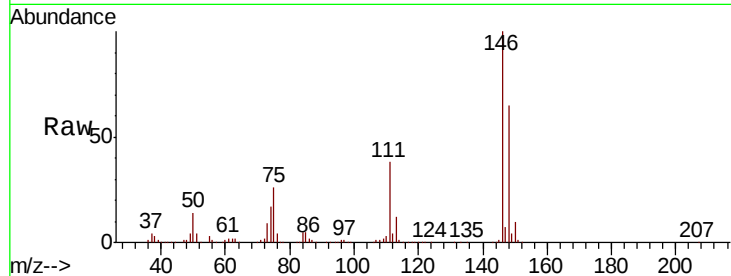
Tot Ion:146 Resp: 322005

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

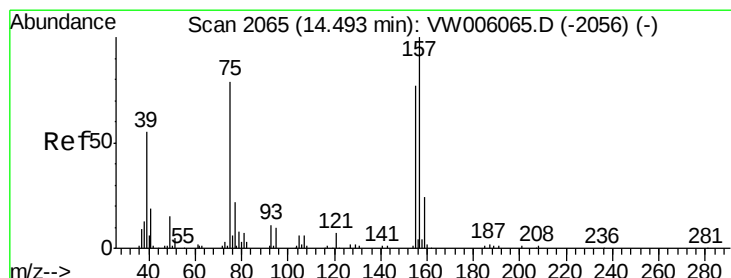
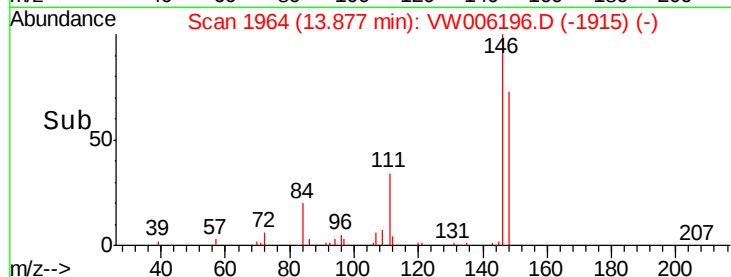
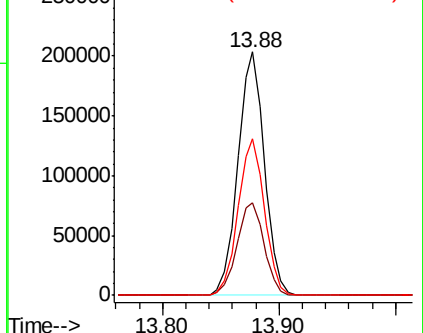
148 64.1 32.2 96.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.091 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006196.D

Acq: 19 Oct 2018 01:46

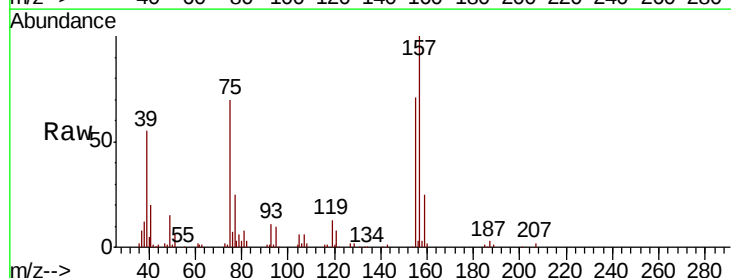
Tgt Ion: 75 Resp: 18388

Ion Ratio Lower Upper

75 100

155 95.9 46.5 139.5

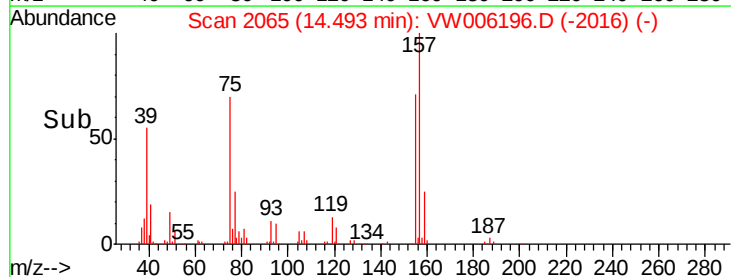
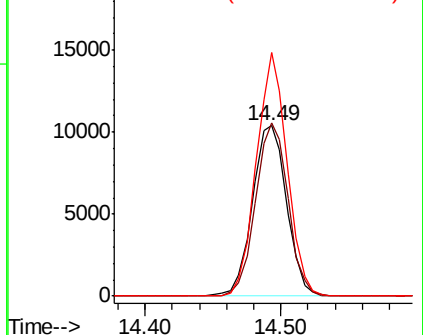
157 127.8 59.8 179.4

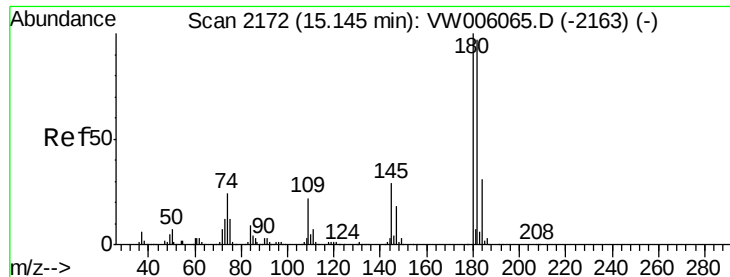


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

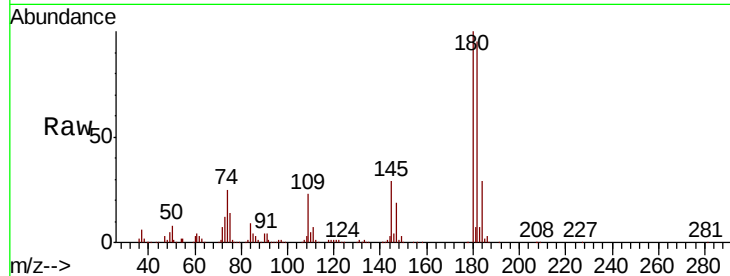




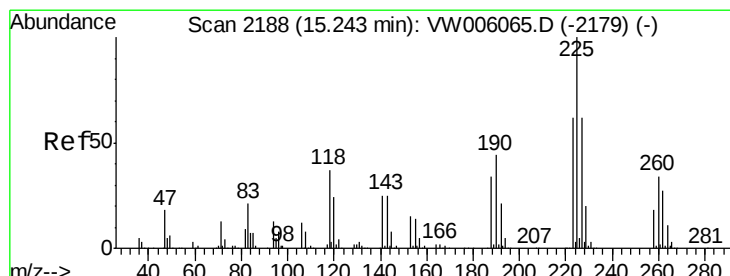
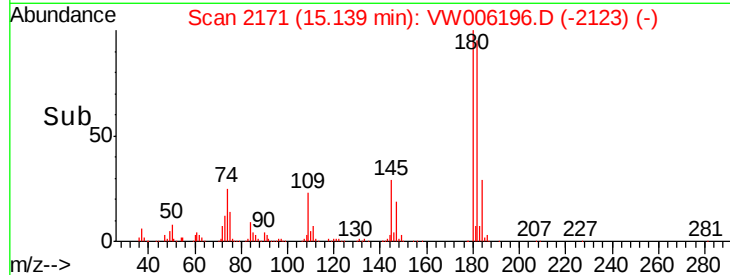
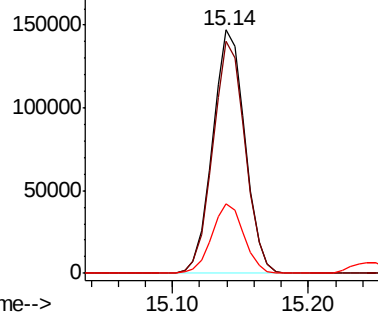
#93
 1,2,4-Trichlorobenzene
 Concen: 52.987 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 243841
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.9 143.6
 145 28.4 14.2 42.8

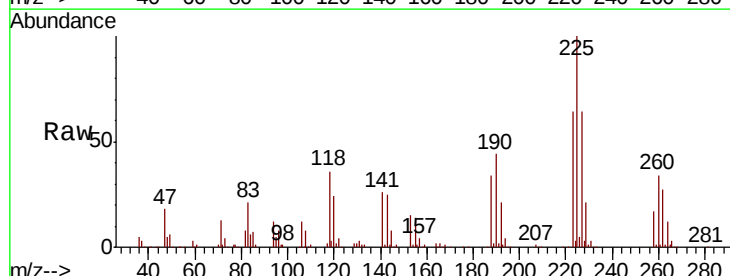


Abundance Ion 179.80 (179.50 to 180.50): V
 200000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

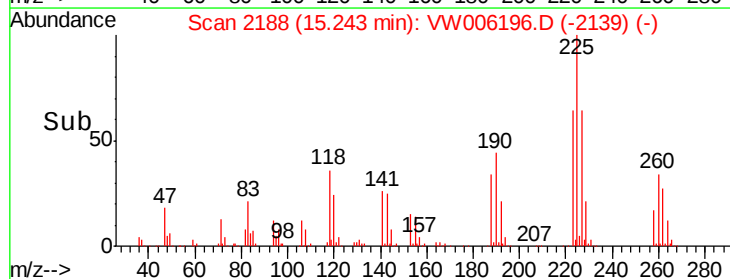
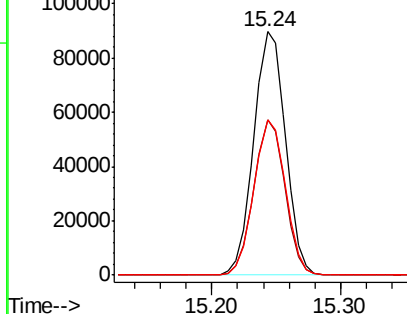


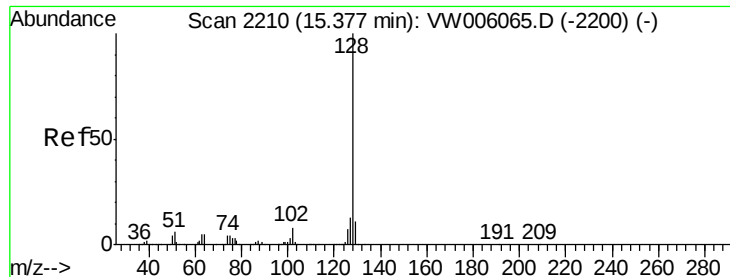
#94
 Hexachlorobutadiene
 Concen: 52.617 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006196.D
 Acq: 19 Oct 2018 01:46

Tgt Ion:225 Resp: 152107
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.5
 227 63.2 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 120000 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

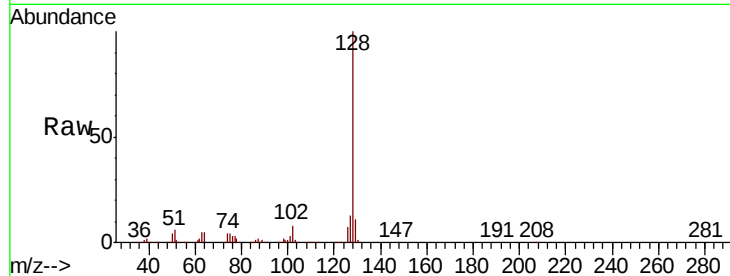




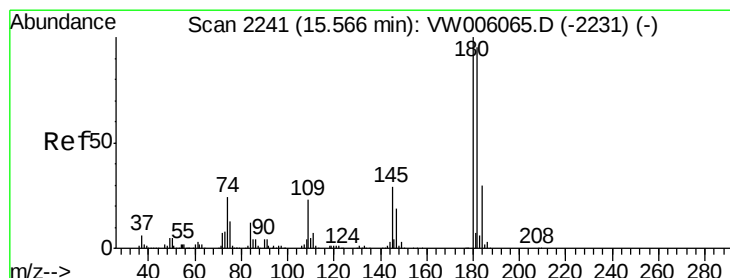
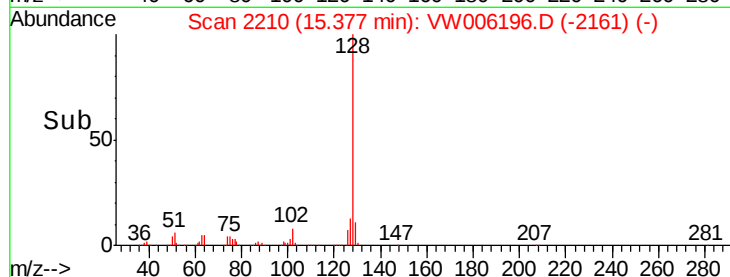
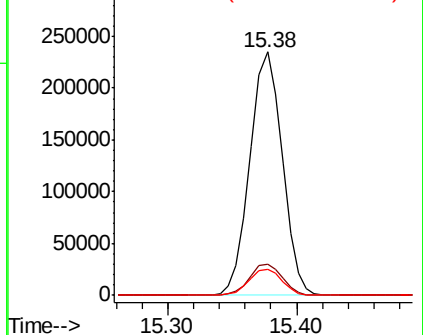
#95
Naphthalene
Concen: 53.450 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 409174
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.7 13.1

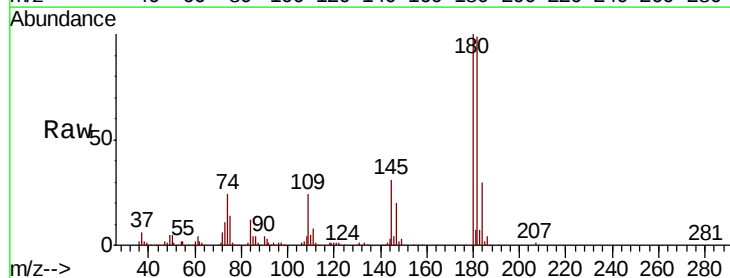


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.513 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006196.D
Acq: 19 Oct 2018 01:46

Tgt Ion:180 Resp: 213002
Ion Ratio Lower Upper
180 100
182 96.2 47.8 143.3
145 30.5 15.0 45.1



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

