

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
 Data File : VW005544.D
 Acq On : 20 Sep 2018 21:54
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:40:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:37:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	365889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	183074	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144583	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
35) Dibromofluoromethane	7.88	113	118373	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	
50) Toluene-d8	10.33	98	487399	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.62	95	179582	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	73754	32.906	ug/l	100
3) Chloromethane	2.21	50	87880	32.223	ug/l	100
4) Vinyl Chloride	2.37	62	111331	42.111	ug/l	100
5) Bromomethane	2.78	94	74476	38.363	ug/l	100
6) Chloroethane	2.93	64	70056	44.468	ug/l	100
7) Trichlorofluoromethane	3.26	101	88657	26.764	ug/l	100
8) Diethyl Ether	3.68	74	57378	52.780	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	109864	51.603	ug/l	100
10) Methyl Iodide	4.27	142	175239	74.502	ug/l	100
11) Tert butyl alcohol	5.20	59	35485	197.762	ug/l	100
12) 1,1-Dichloroethene	4.04	96	105991	54.446	ug/l	100
13) Acrolein	3.89	56	23239	197.164	ug/l	100
14) Allyl chloride	4.67	41	192053	53.503	ug/l	100
15) Acrylonitrile	5.37	53	128125	259.924	ug/l	100
16) Acetone	4.13	43	111107	261.514	ug/l	100
17) Carbon Disulfide	4.38	76	330790	49.279	ug/l	100
18) Methyl Acetate	4.67	43	64132	51.831	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	173239	35.671	ug/l	100
20) Methylene Chloride	4.92	84	124484	41.019	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	120831	52.375	ug/l	100
22) Diisopropyl ether	6.32	45	388934	55.416	ug/l	100
23) Vinyl Acetate	6.26	43	1110846	277.055	ug/l	100
24) 1,1-Dichloroethane	6.21	63	230553	53.726	ug/l	100
25) 2-Butanone	7.18	43	163086	263.324	ug/l	100
26) 2,2-Dichloropropane	7.17	77	154210	41.949	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	134224	53.465	ug/l	100
28) Bromochloromethane	7.52	49	87847	52.588	ug/l	100
29) Tetrahydrofuran	7.54	42	107014	270.333	ug/l	100
30) Chloroform	7.68	83	240135	53.910	ug/l	100
31) Cyclohexane	7.96	56	206004	50.278	ug/l	100
32) 1,1,1-Trichloroethane	7.88	97	207879	51.094	ug/l	100
36) 1,1-Dichloropropene	8.09	75	185419	52.678	ug/l	100
37) Ethyl Acetate	7.26	43	77213	53.522	ug/l	100
38) Carbon Tetrachloride	8.07	117	197065	53.381	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
 Data File : VW005544.D
 Acq On : 20 Sep 2018 21:54
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:40:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:37:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	217416	53.274	ug/l	100
40) Benzene	8.33	78	523324	51.612	ug/l	100
41) Methacrylonitrile	7.49	41	45384	52.519	ug/l	100
42) 1,2-Dichloroethane	8.40	62	167457	52.268	ug/l	100
43) Isopropyl Acetate	8.43	43	149088	53.274	ug/l	100
44) Trichloroethene	9.10	130	132704	50.834	ug/l	100
45) 1,2-Dichloropropane	9.37	63	129632	53.102	ug/l	100
46) Dibromomethane	9.46	93	64513	53.476	ug/l	100
47) Bromodichloromethane	9.65	83	175059	53.717	ug/l	100
48) Methyl methacrylate	9.44	41	73769	53.292	ug/l	100
49) 1,4-Dioxane	9.46	88	19734	1006.235	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	382641	267.329	ug/l	100
52) Toluene	10.39	92	332387	49.128	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	177758	54.473	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	199697	54.075	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	90866	51.002	ug/l	100
56) Ethyl methacrylate	10.65	69	118229	53.012	ug/l	100
57) 1,3-Dichloropropane	10.94	76	161072	52.482	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	261381	257.694	ug/l	100
59) 2-Hexanone	10.98	43	264828	272.643	ug/l	100
60) Dibromochloromethane	11.13	129	111691	52.182	ug/l	100
61) 1,2-Dibromoethane	11.24	107	85795	53.512	ug/l	100
64) Tetrachloroethene	10.87	164	118686	47.828	ug/l	100
65) Chlorobenzene	11.66	112	362177	50.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	131610	55.908	ug/l	100
67) Ethyl Benzene	11.74	91	658321	51.958	ug/l	100
68) m/p-Xylenes	11.85	106	501440	103.063	ug/l	100
69) o-Xylene	12.17	106	234457	51.764	ug/l	100
70) Styrene	12.19	104	402751	53.667	ug/l	100
71) Bromoform	12.35	173	69501	55.887	ug/l #	100
73) Isopropylbenzene	12.47	105	665024	51.561	ug/l	100
74) N-amyl acetate	12.28	43	146187	53.453	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	105615	54.994	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	147931	96.953	ug/l #	100
77) Bromobenzene	12.76	156	151555	49.859	ug/l	100
78) n-propylbenzene	12.81	91	808227	51.943	ug/l	100
79) 2-Chlorotoluene	12.90	91	459980	50.291	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	584816	52.120	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	34754	58.075	ug/l	100
82) 4-Chlorotoluene	12.99	91	488460	50.551	ug/l	100
83) tert-Butylbenzene	13.21	119	487019	52.184	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	597922	52.438	ug/l	100
85) sec-Butylbenzene	13.39	105	697998	51.757	ug/l	100
86) p-Isopropyltoluene	13.51	119	635540	52.666	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	308263	49.939	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	304198	50.112	ug/l	100
89) n-Butylbenzene	13.83	91	590848	52.638	ug/l	100
90) Hexachloroethane	14.10	117	110648	53.085	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	272229	50.552	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18776	51.553	ug/l	100

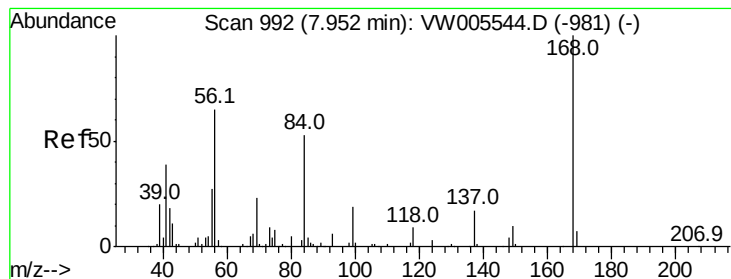
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092118\
Data File : VW005544.D
Acq On : 20 Sep 2018 21:54
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 21 04:40:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 04:37:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	197273	54.478	ug/l	100
94) Hexachlorobutadiene	15.24	225	123413	52.454	ug/l	100
95) Naphthalene	15.38	128	339715	55.999	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	174014	54.851	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

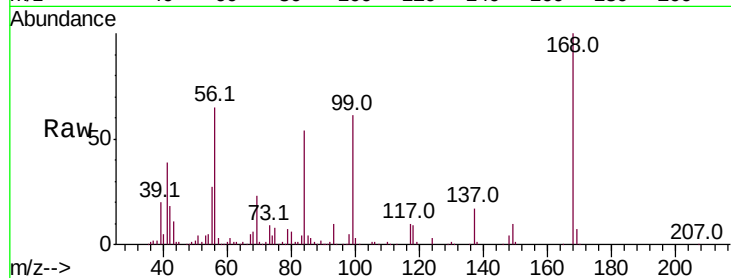
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 243440

Ion Ratio Lower Upper

168 100

99 60.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

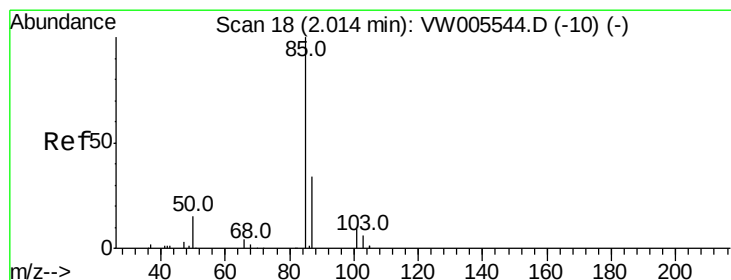
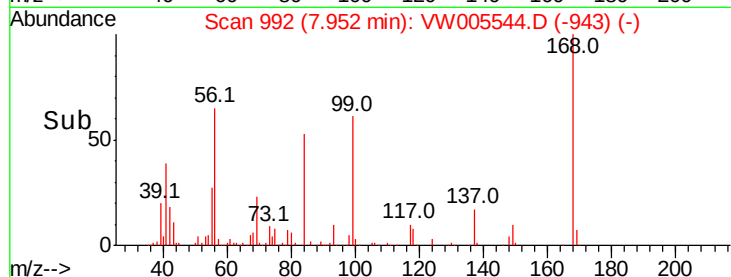
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 32.906 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005544.D

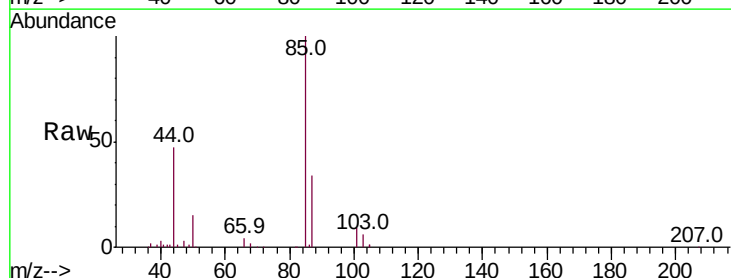
Acq: 20 Sep 2018 21:54

Tgt Ion: 85 Resp: 73754

Ion Ratio Lower Upper

85 100

87 33.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

10000

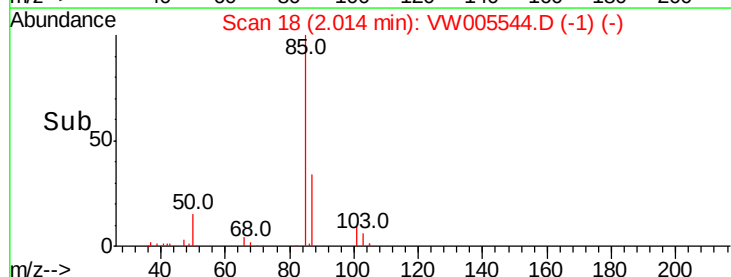
5000

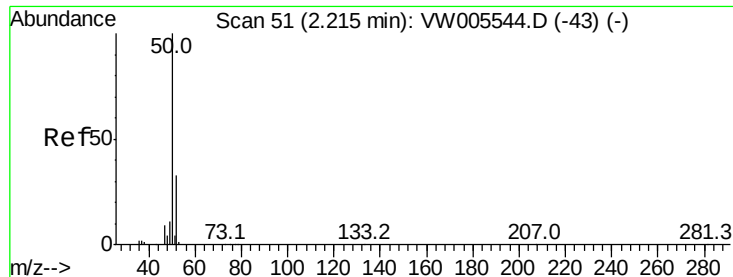
0

2.00

2.20

Time-->

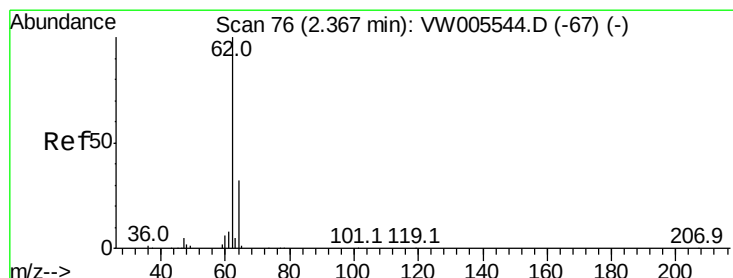
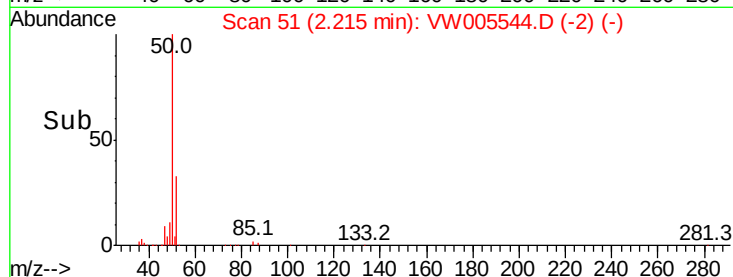
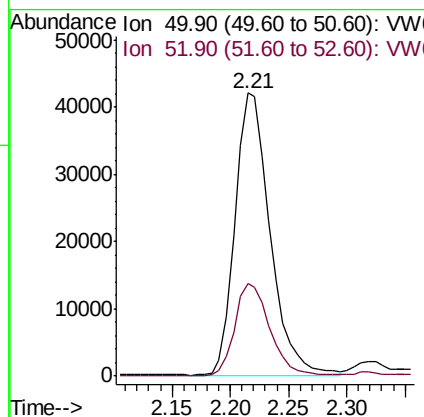
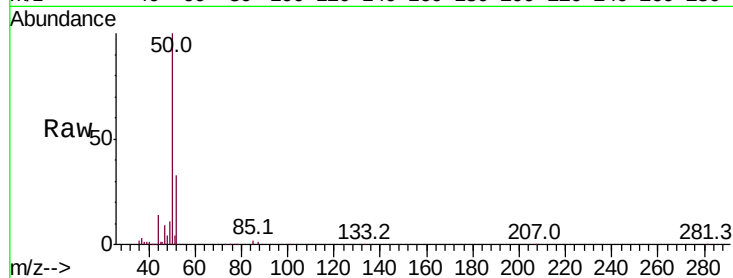




#3
Chloromethane
Concen: 32.223 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

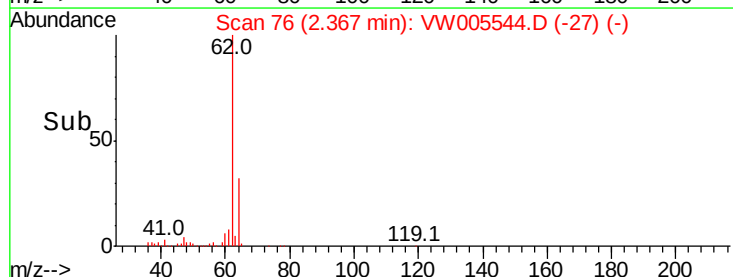
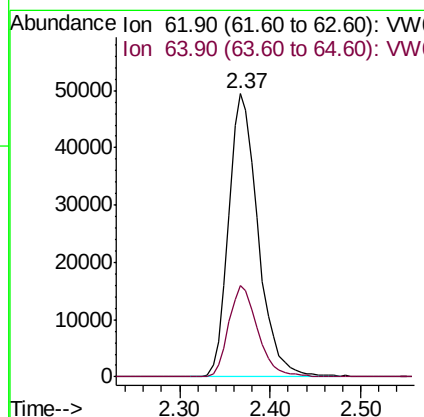
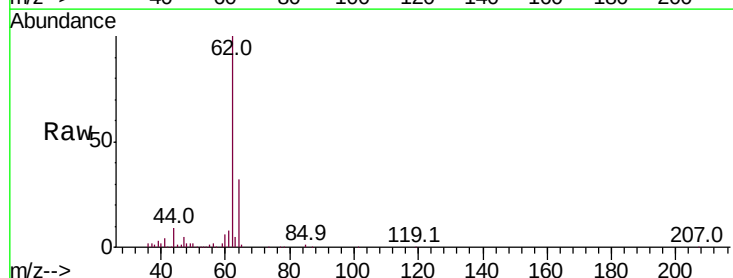
Instrument :
MSVOA_W
ClientSampleId :

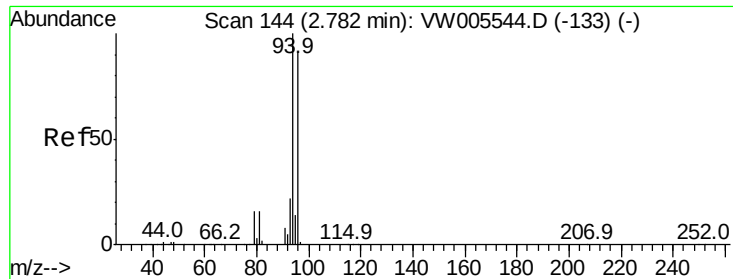
Tot Ion: 50 Resp: 87880
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.4



#4
Vinyl Chloride
Concen: 42.111 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion: 62 Resp: 111331
Ion Ratio Lower Upper
62 100
64 32.1 25.7 38.5





#5

Bromomethane

Concen: 38.363 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

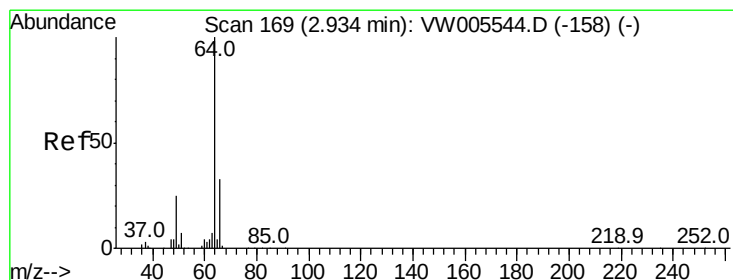
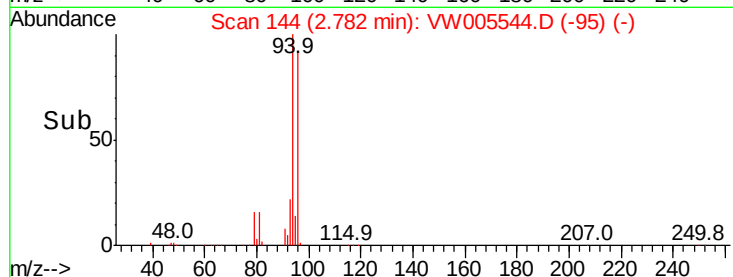
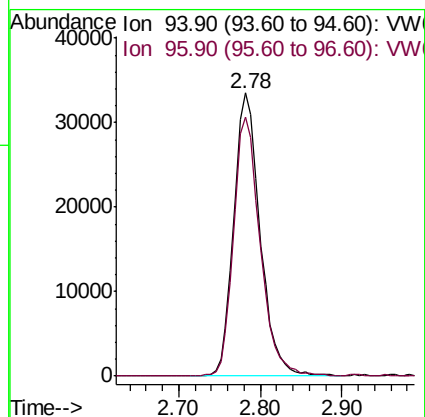
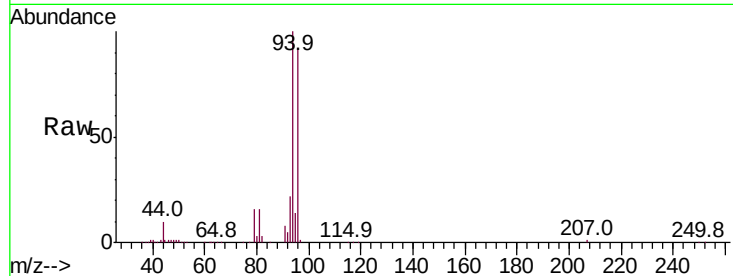
ClientSampleId :

Tot Ion: 94 Resp: 74476

Ion Ratio Lower Upper

94 100

96 91.4 73.1 109.7



#6

Chloroethane

Concen: 44.468 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW005544.D

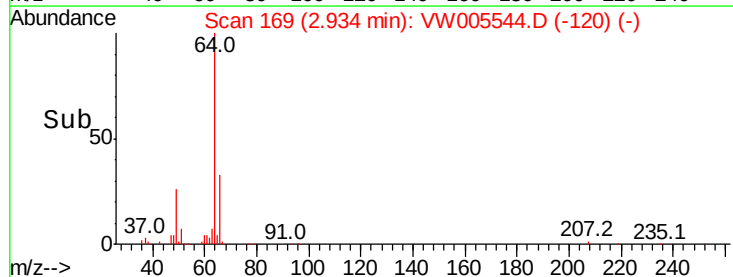
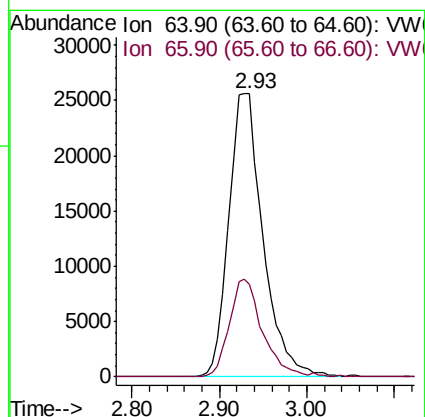
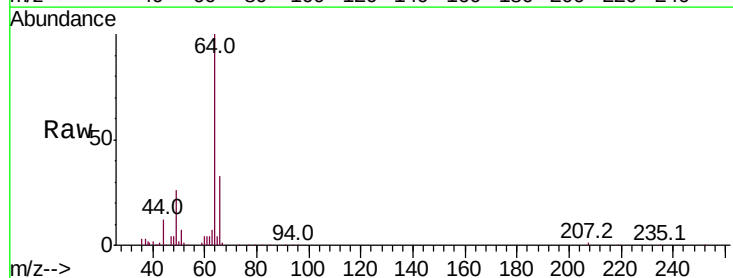
Acq: 20 Sep 2018 21:54

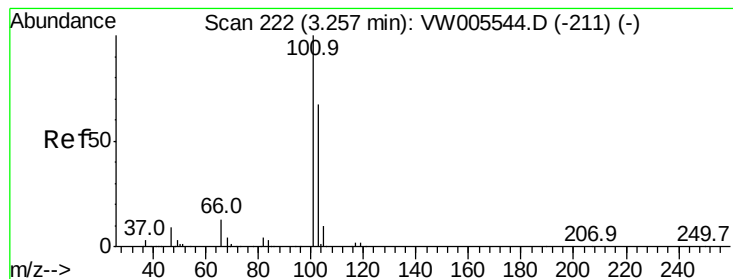
Tgt Ion: 64 Resp: 70056

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0



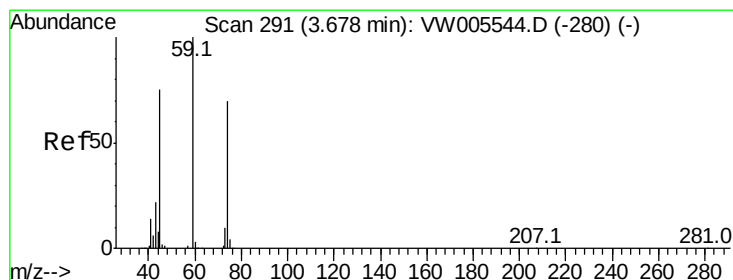
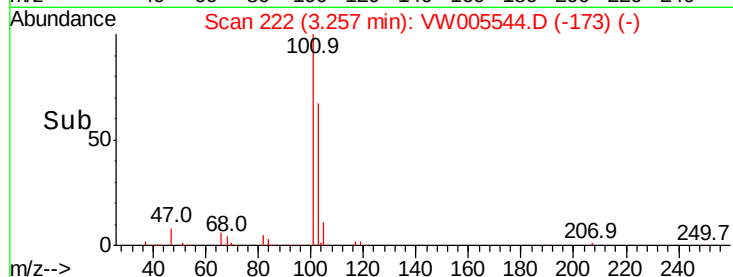
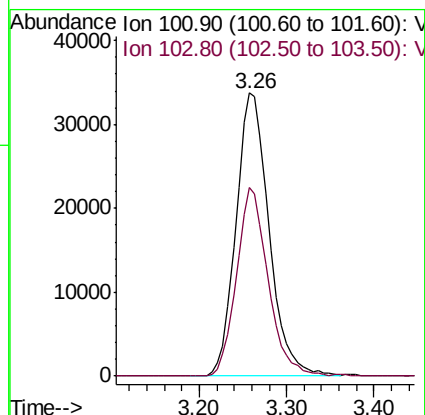
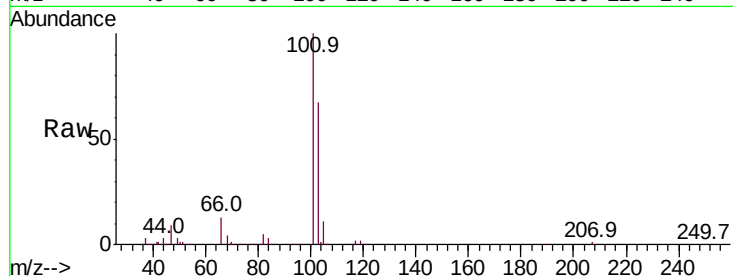


#7

Trichlorofluoromethane
 Concen: 26.764 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Instrument :
 MSVOA_W
 ClientSampleId :

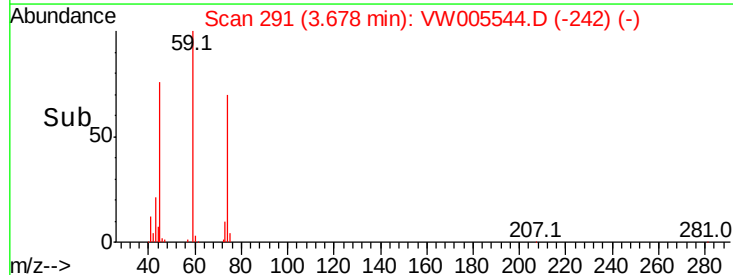
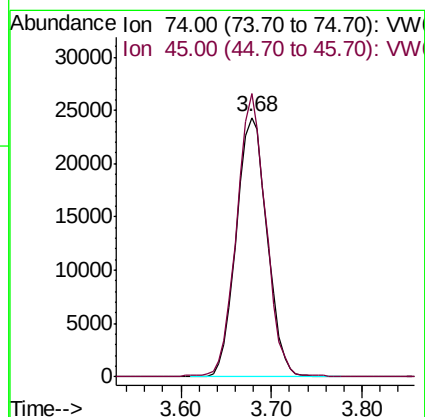
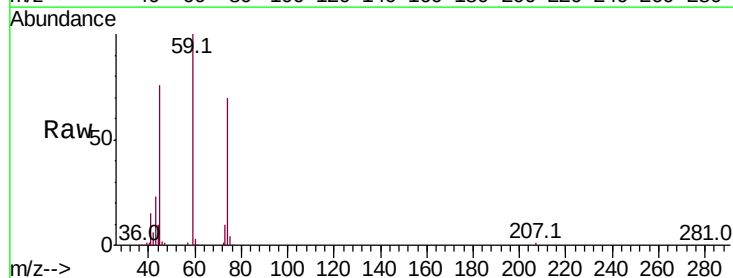
Tot Ion:101 Resp: 88657
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.2 79.8

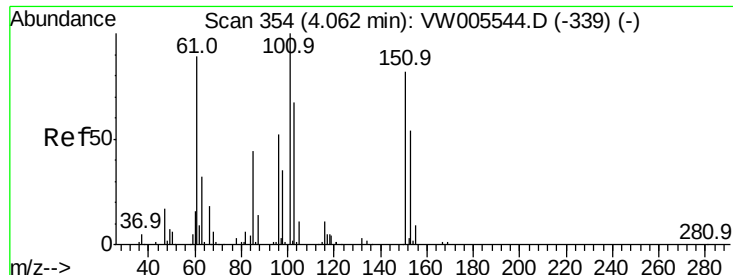


#8

Diethyl Ether
 Concen: 52.780 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion: 74 Resp: 57378
 Ion Ratio Lower Upper
 74 100
 45 103.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.603 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

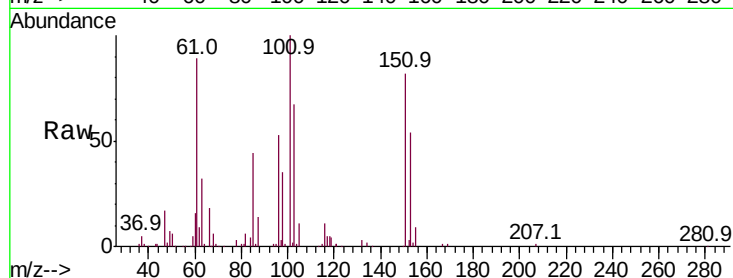
Tot Ion:101 Resp: 109864

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

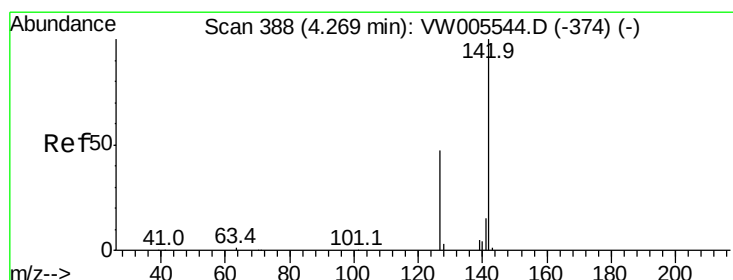
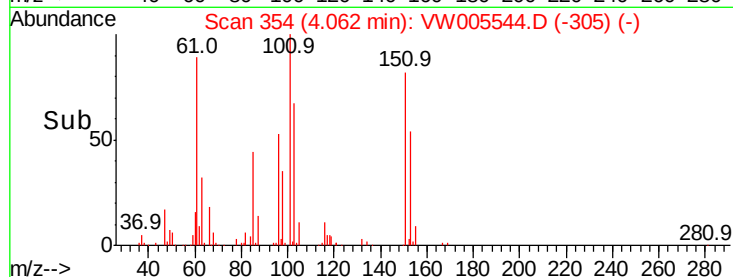
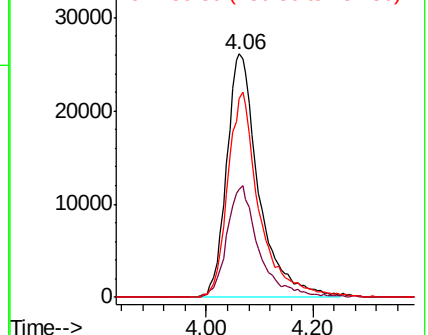
151 82.2 65.8 98.6



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: 74.502 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

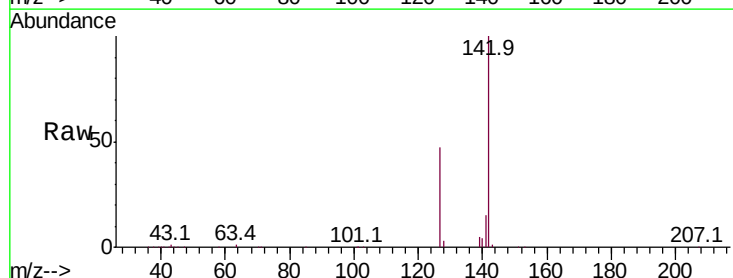
Tgt Ion:142 Resp: 175239

Ion Ratio Lower Upper

142 100

127 46.7 37.4 56.0

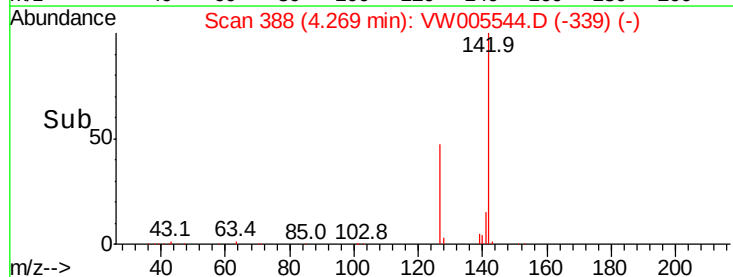
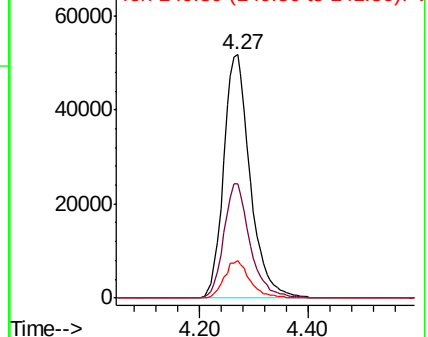
141 14.9 11.9 17.9

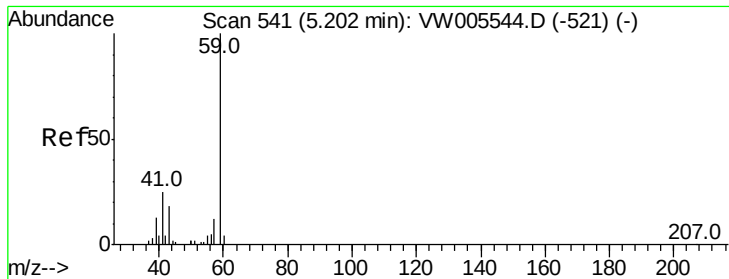


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



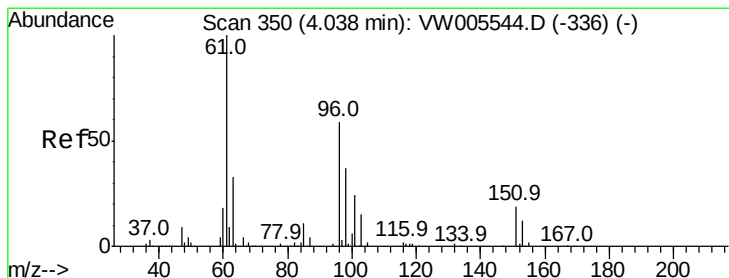
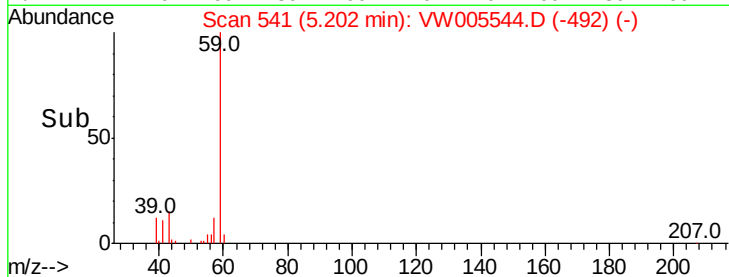
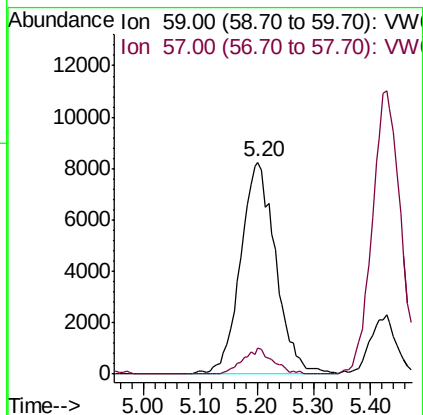
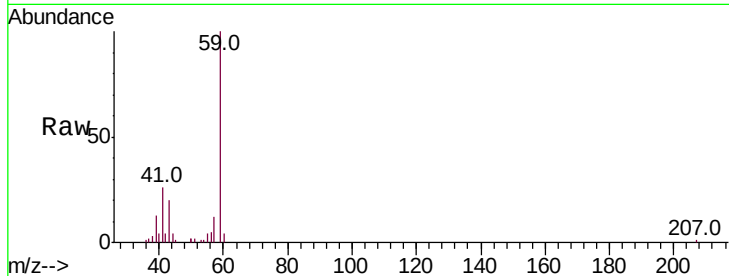


#11

Tert butyl alcohol
Concen: 197.762 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Instrument :
MSVOA_W
ClientSampleId :

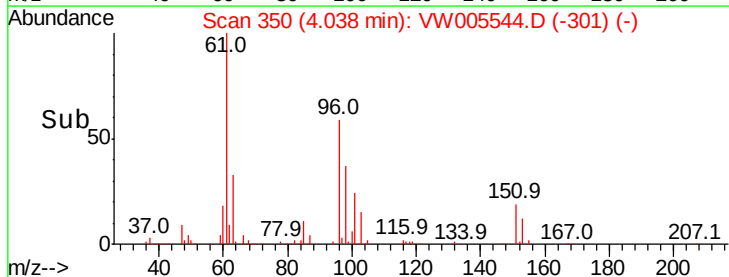
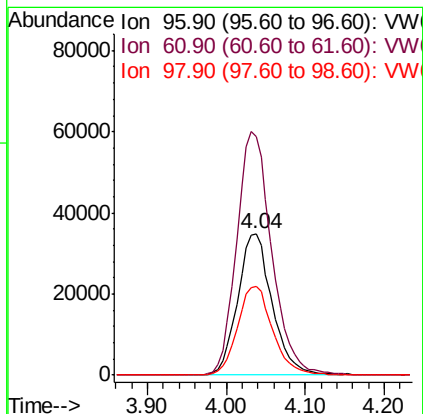
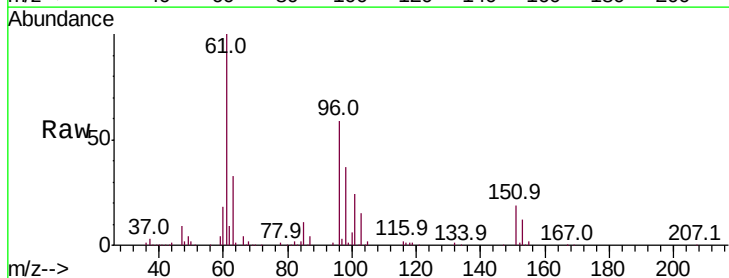
Tot Ion: 59 Resp: 35485
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

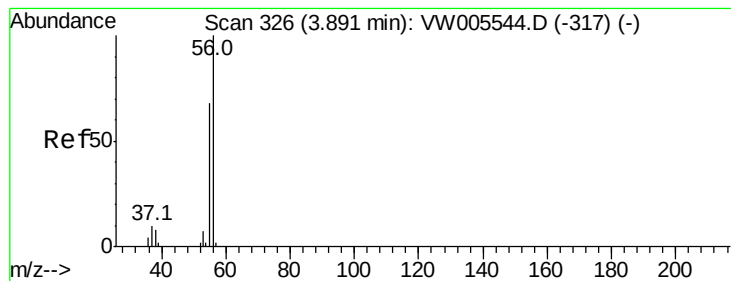


#12

1,1-Dichloroethene
Concen: 54.446 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion: 96 Resp: 105991
Ion Ratio Lower Upper
96 100
61 168.8 135.0 202.6
98 63.3 50.6 76.0





#13

Acrolein

Concen: 197.164 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

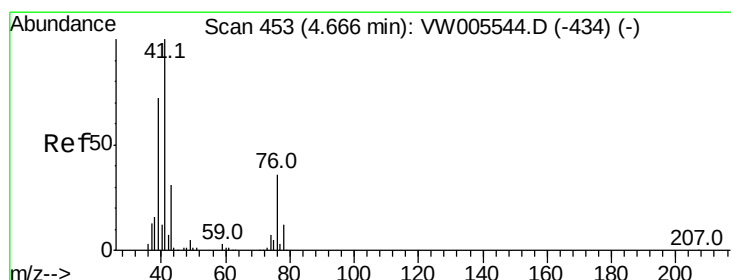
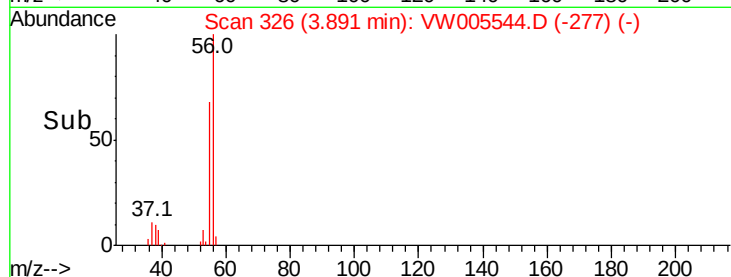
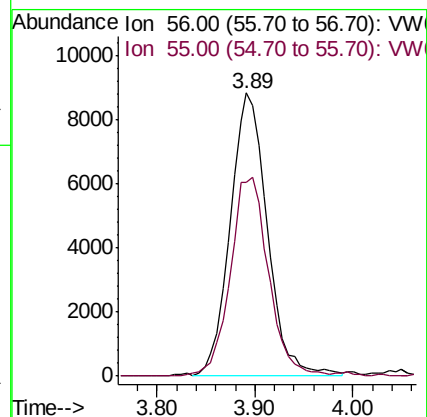
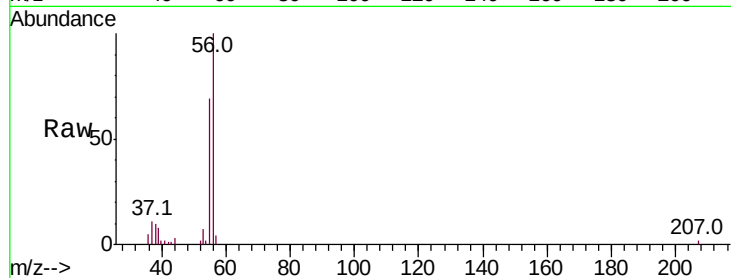
ClientSampleId :

Tot Ion: 56 Resp: 23239

Ion Ratio Lower Upper

56 100

55 72.3 57.8 86.8



#14

Allyl chloride

Concen: 53.503 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

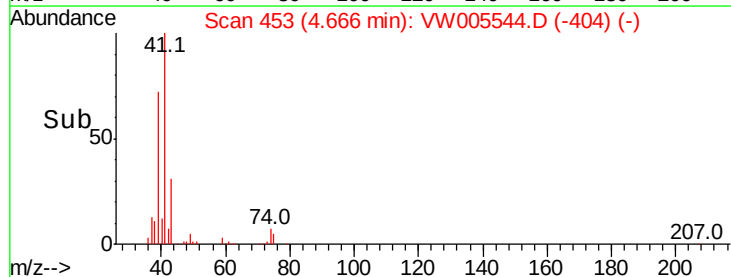
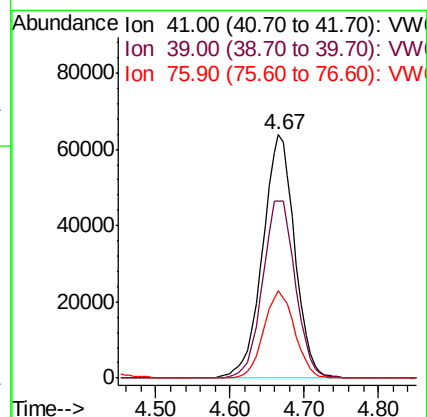
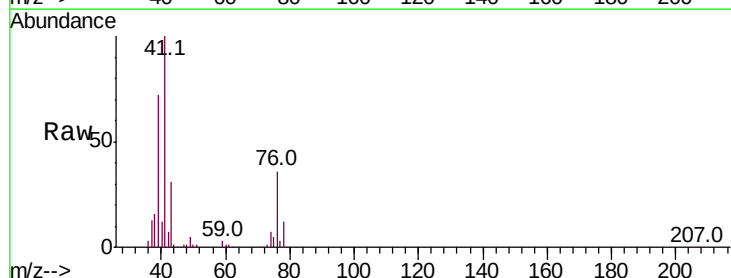
Tgt Ion: 41 Resp: 192053

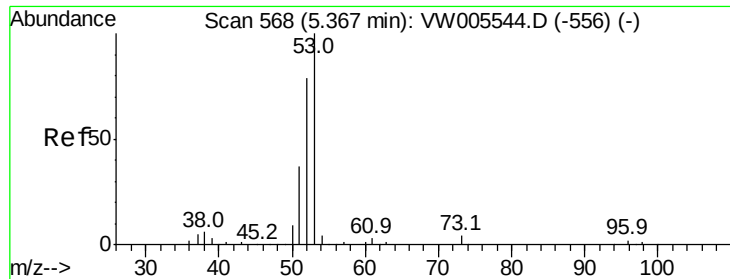
Ion Ratio Lower Upper

41 100

39 74.5 59.6 89.4

76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 259.924 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampled :

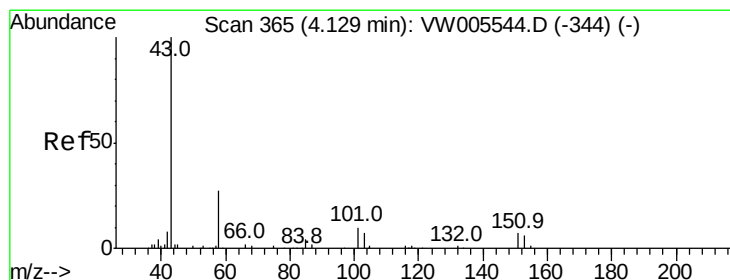
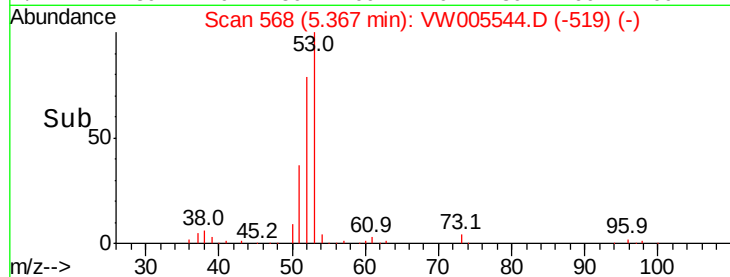
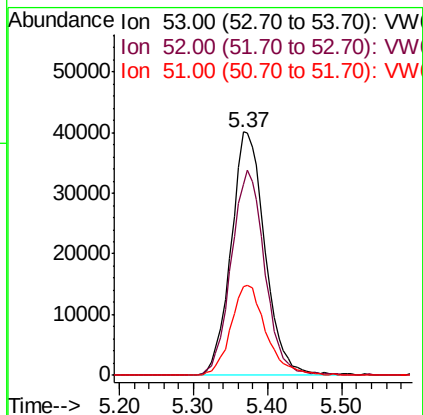
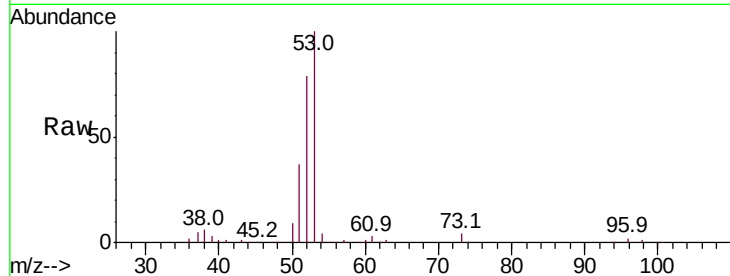
Tot Ion: 53 Resp: 128125

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

51 38.3 30.6 46.0



#16

Acetone

Concen: 261.514 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW005544.D

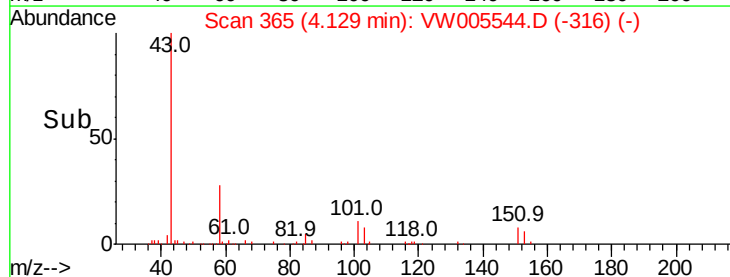
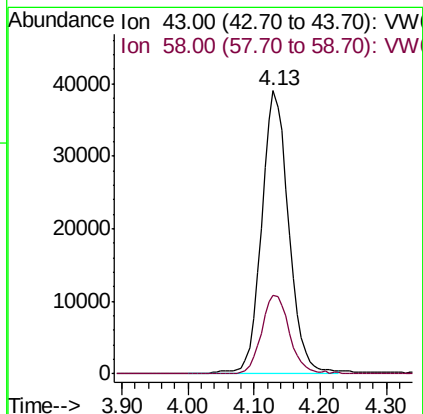
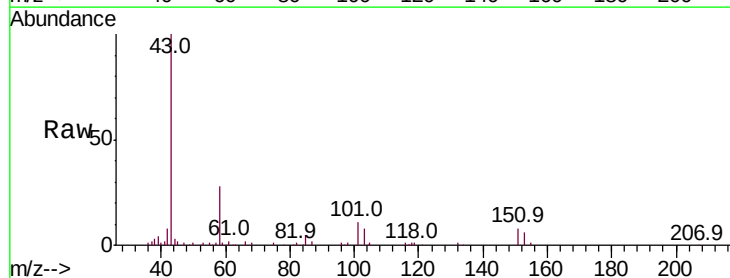
Acq: 20 Sep 2018 21:54

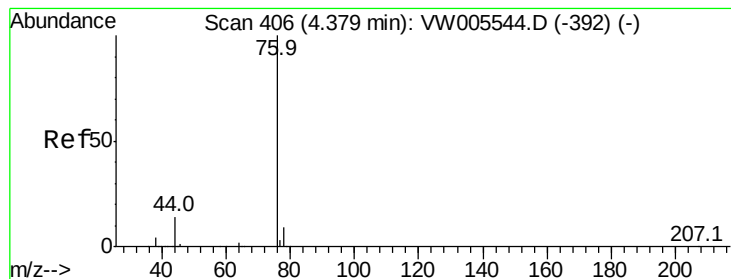
Tgt Ion: 43 Resp: 111107

Ion Ratio Lower Upper

43 100

58 27.3 21.8 32.8





#17

Carbon Disulfide

Concen: 49.279 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

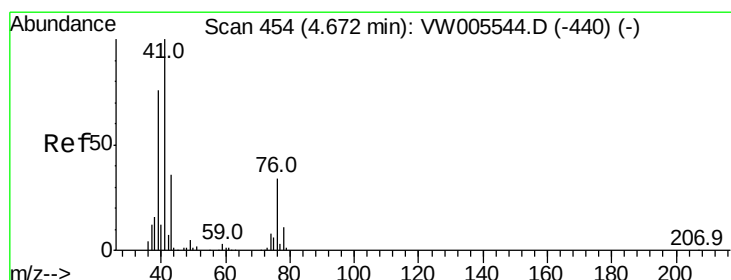
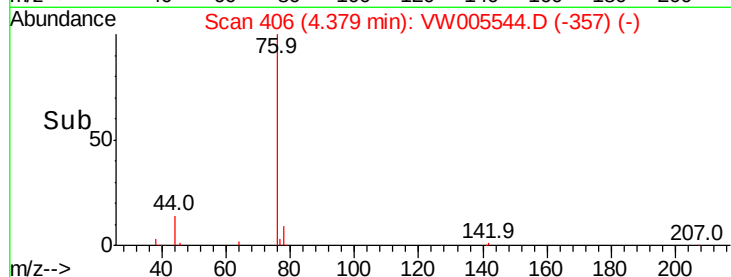
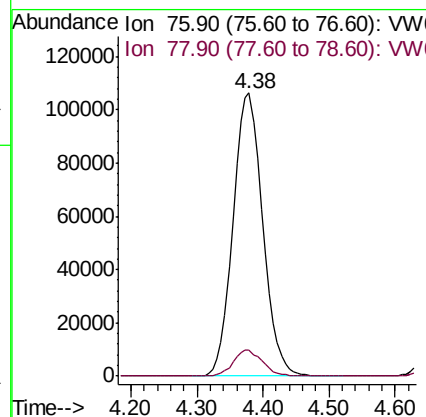
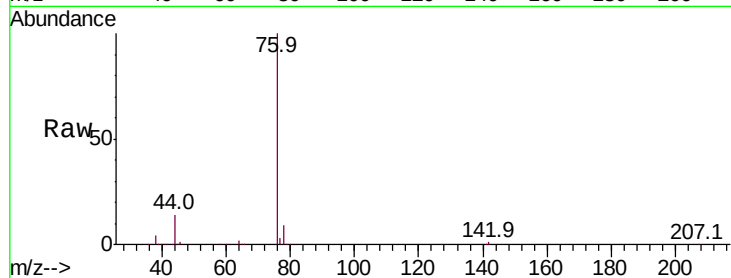
ClientSampled :

Tot Ion: 76 Resp: 330790

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



#18

Methyl Acetate

Concen: 51.831 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW005544.D

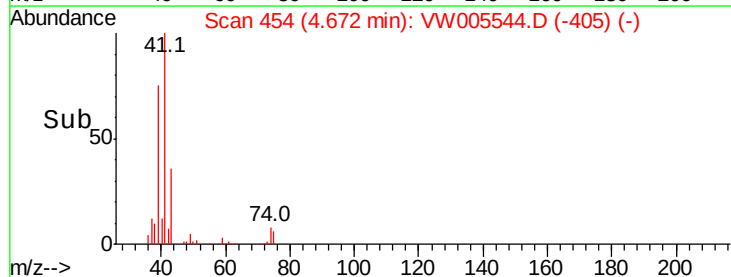
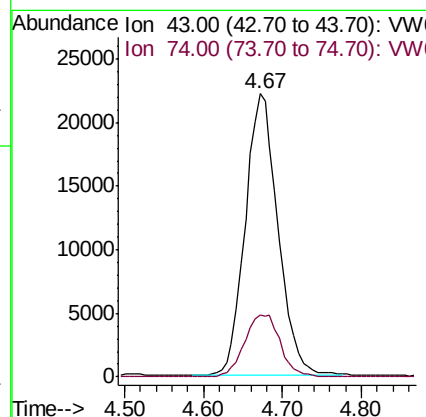
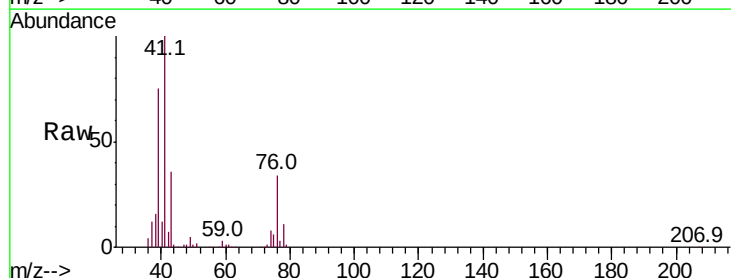
Acq: 20 Sep 2018 21:54

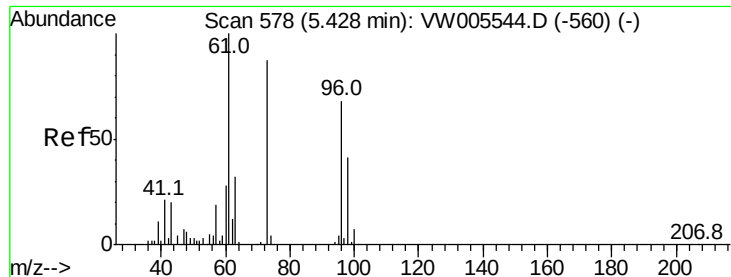
Tgt Ion: 43 Resp: 64132

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8

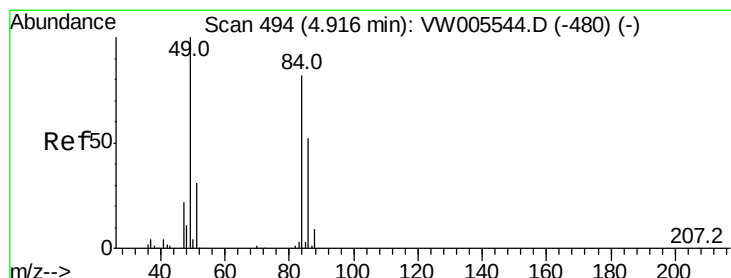
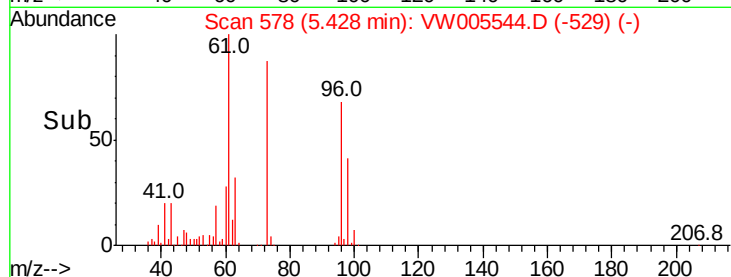
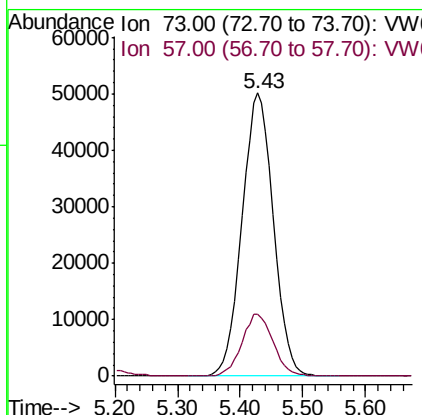
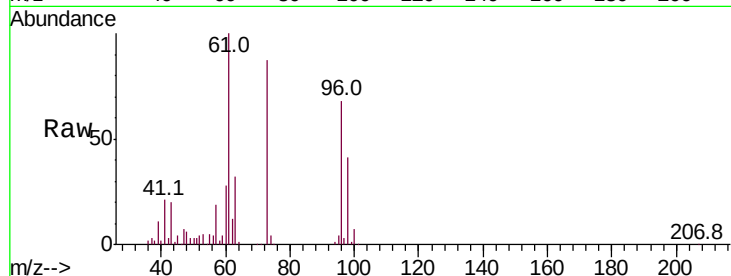




#19
Methyl tert-butyl Ether
Concen: 35.671 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

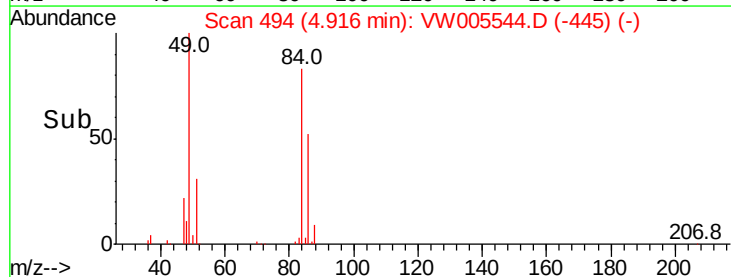
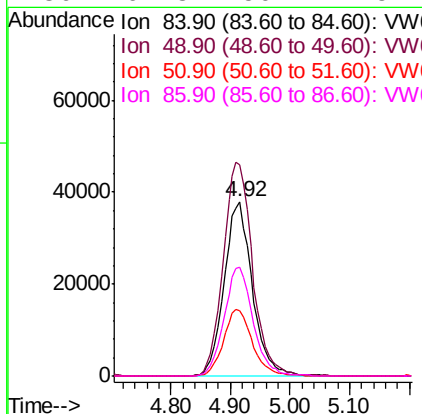
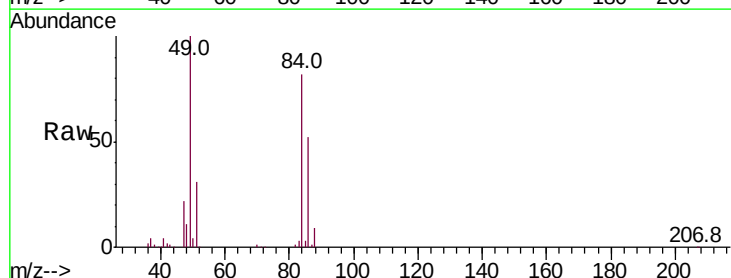
Instrument :
MSVOA_W
ClientSampled :

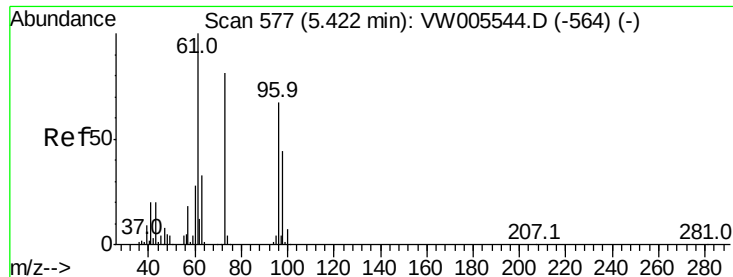
Tot Ion: 73 Resp: 173239
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 41.019 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion: 84 Resp: 124484
Ion Ratio Lower Upper
84 100
49 121.3 97.0 145.6
51 37.7 30.2 45.2
86 62.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 52.375 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :
MSVOA_W
ClientSampleId :

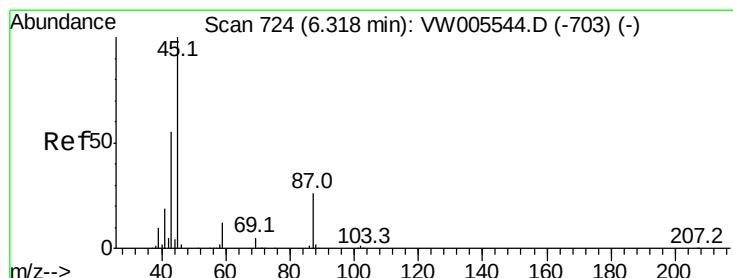
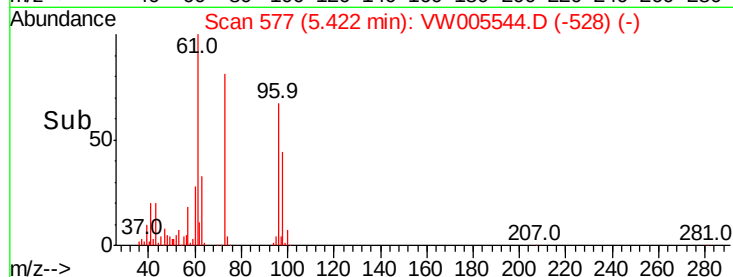
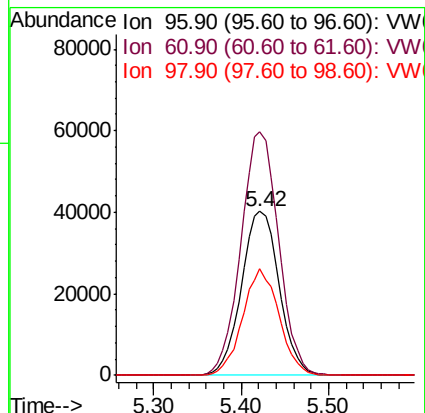
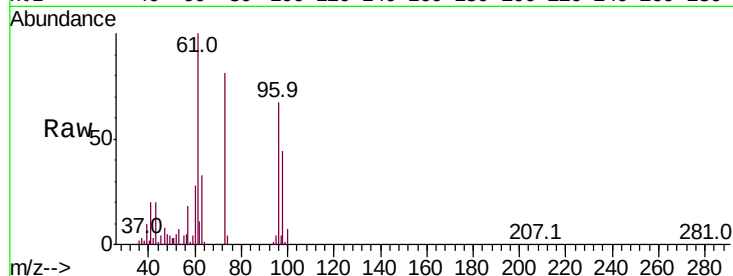
Tot Ion: 96 Resp: 120831

Ion Ratio Lower Upper

96 100

61 148.6 118.9 178.3

98 65.1 52.1 78.1



#22

Diisopropyl ether

Concen: 55.416 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Tgt Ion: 45 Resp: 388934

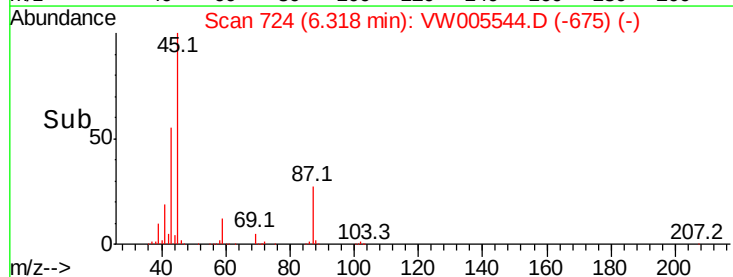
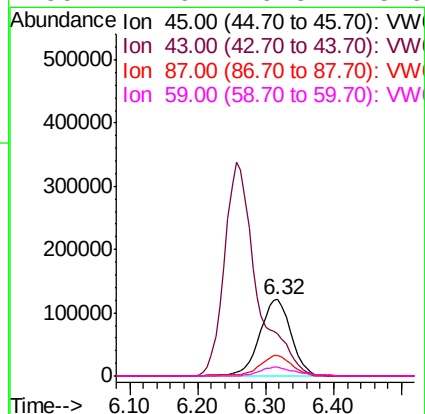
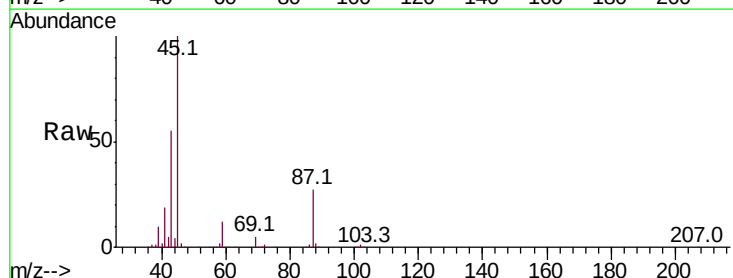
Ion Ratio Lower Upper

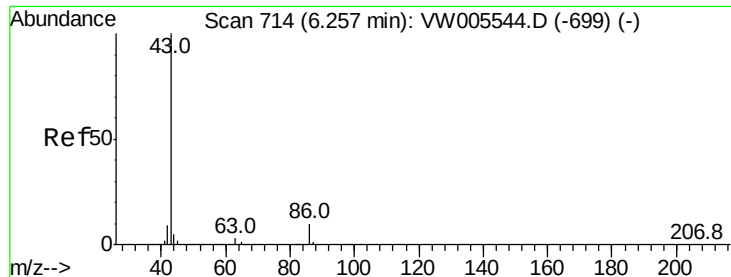
45 100

43 55.3 44.2 66.4

87 26.8 21.4 32.2

59 11.6 9.3 13.9





#23

Vinyl Acetate

Concen: 277.055 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

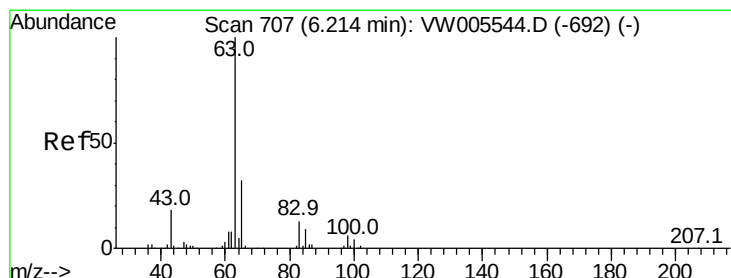
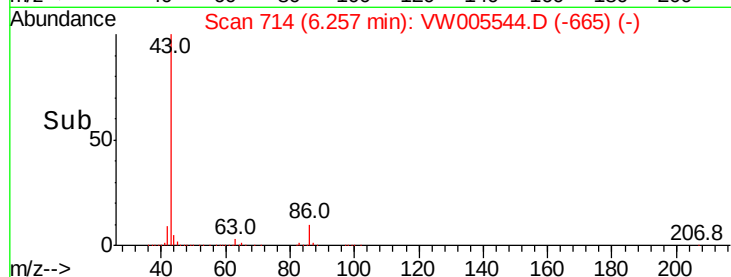
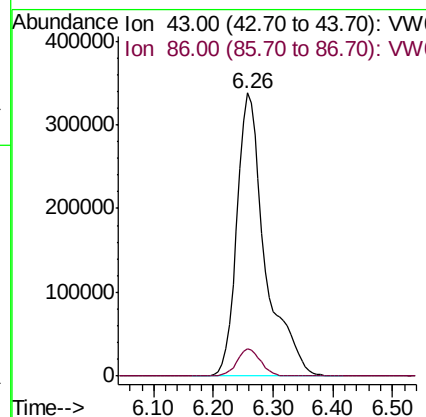
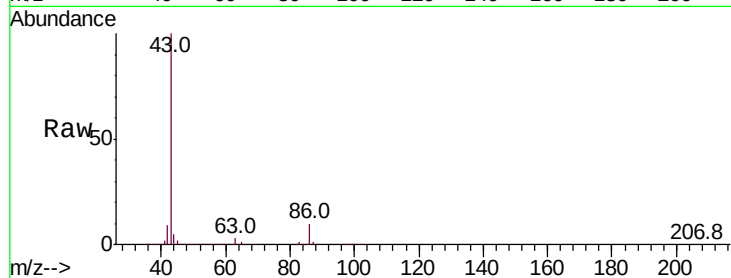
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1110846

Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5



#24

1,1-Dichloroethane

Concen: 53.726 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

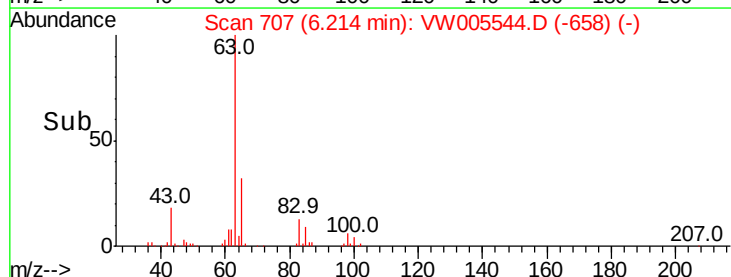
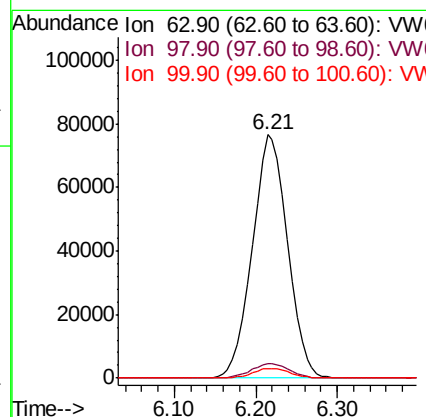
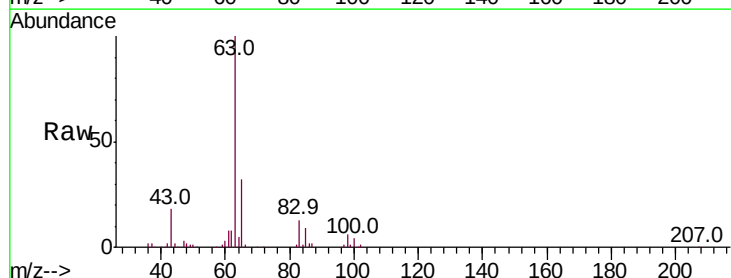
Tgt Ion: 63 Resp: 230553

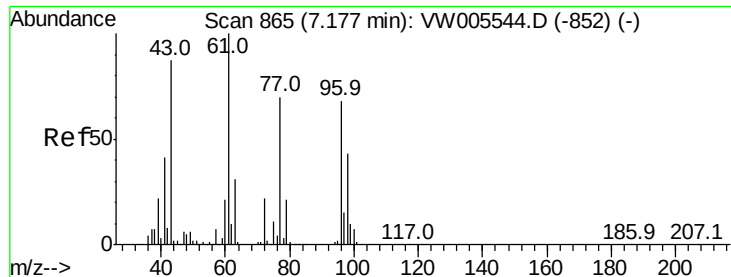
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 263.324 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

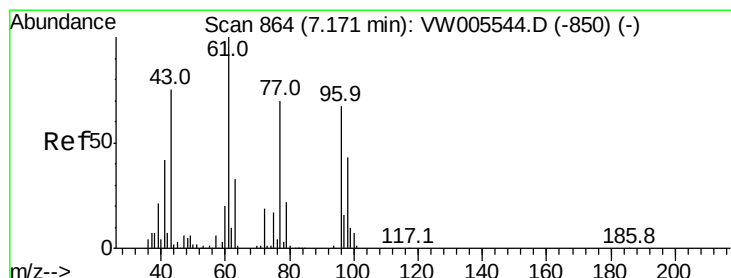
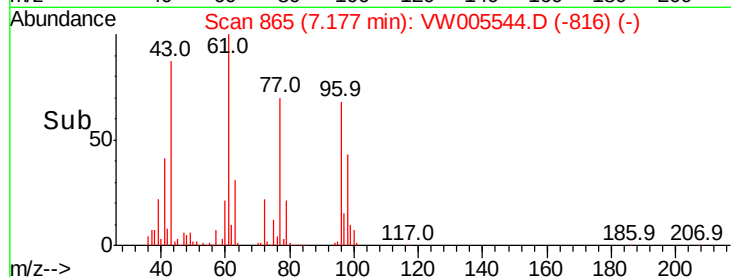
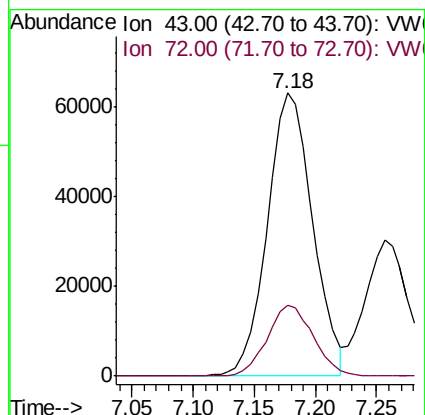
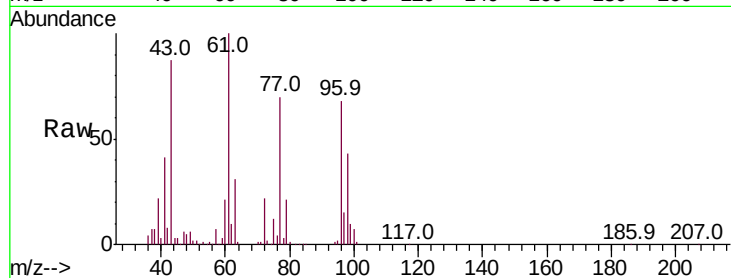
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 163086

Ion Ratio Lower Upper

43 100

72 24.9 19.9 29.9



#26

2,2-Dichloropropane

Concen: 41.949 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005544.D

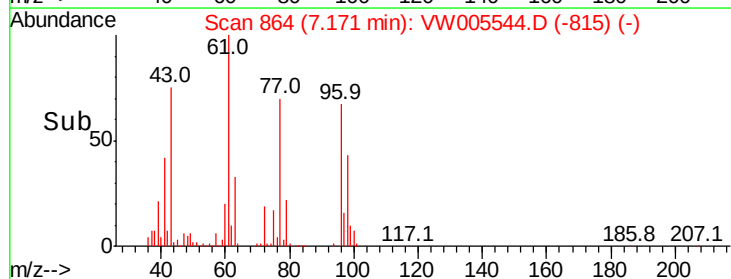
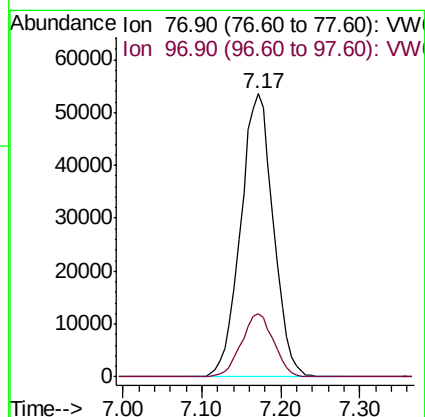
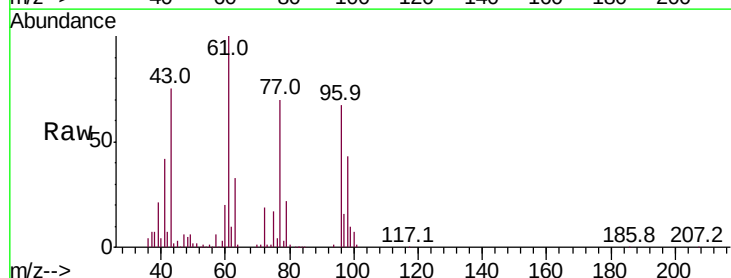
Acq: 20 Sep 2018 21:54

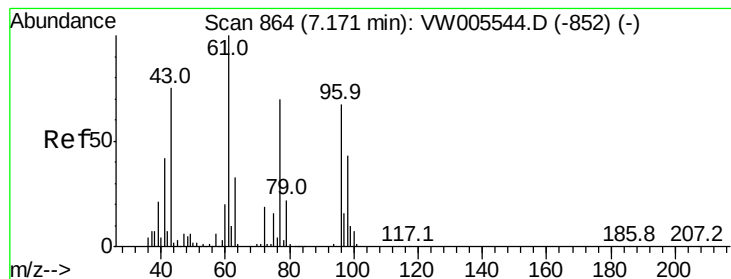
Tgt Ion: 77 Resp: 154210

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0



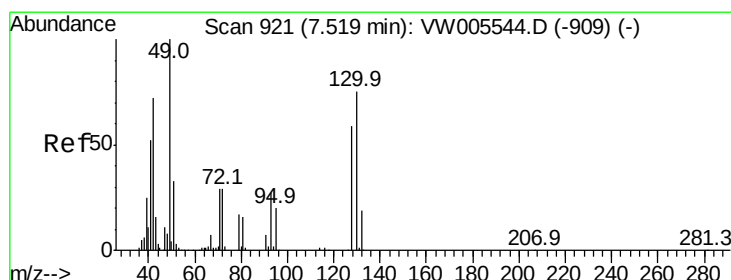
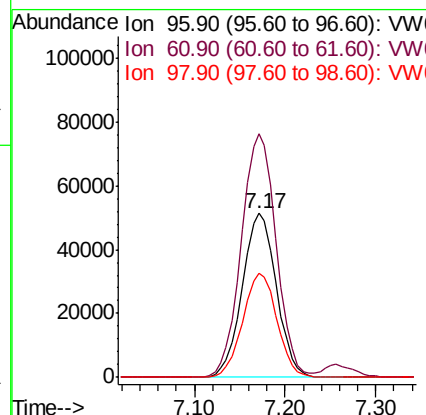
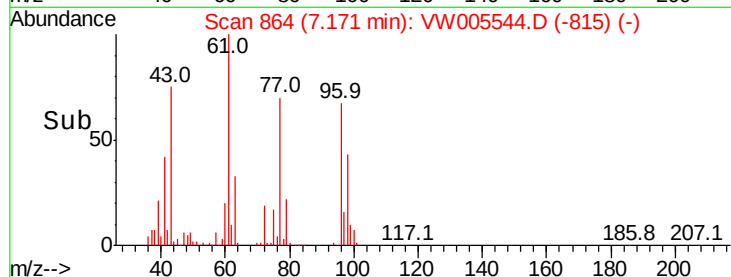
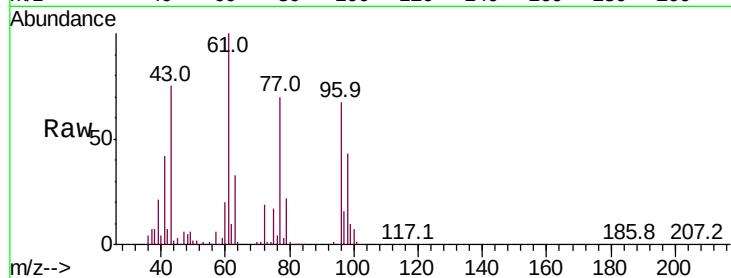


#27

cis-1,2-Dichloroethene
Concen: 53.465 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Instrument :
MSVOA_W
ClientSampled :

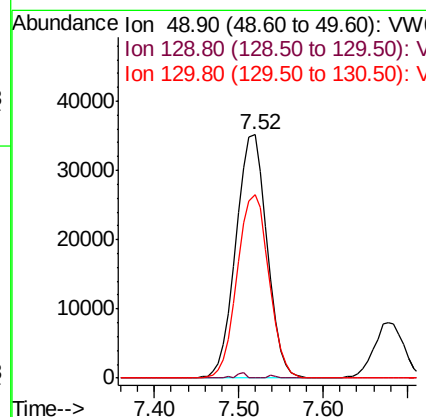
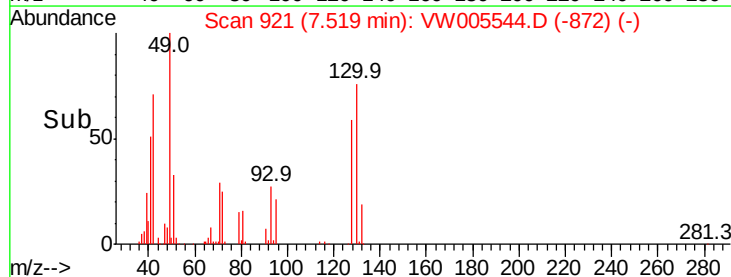
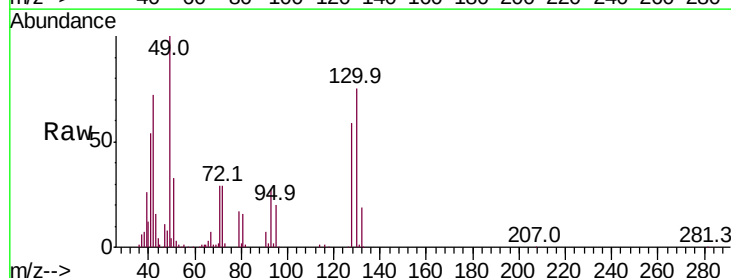
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	303.4
98	63.6	0.0	127.2

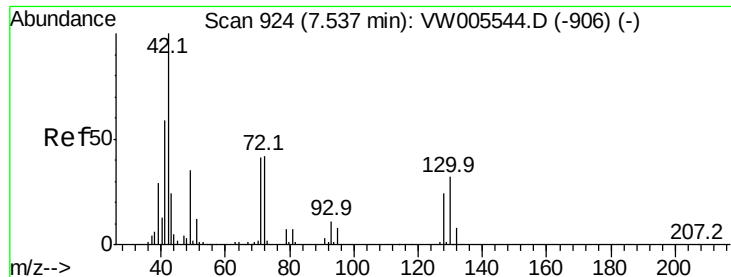


#28

Bromochloromethane
Concen: 52.588 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.4
130	76.6	61.3	91.9





#29

Tetrahydrofuran

Concen: 270.333 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampled :

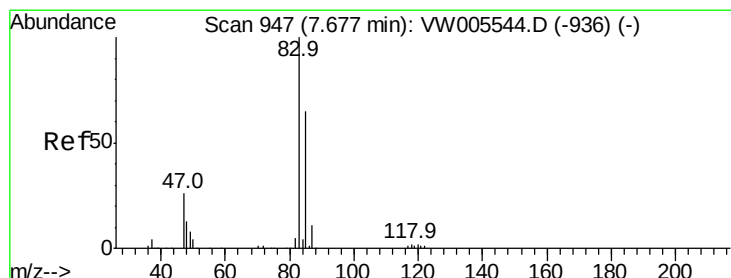
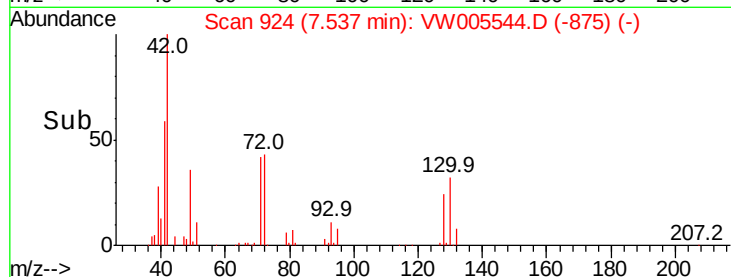
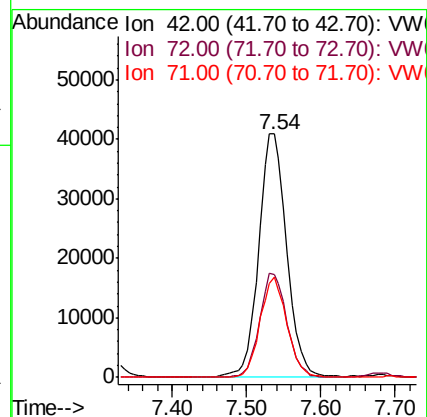
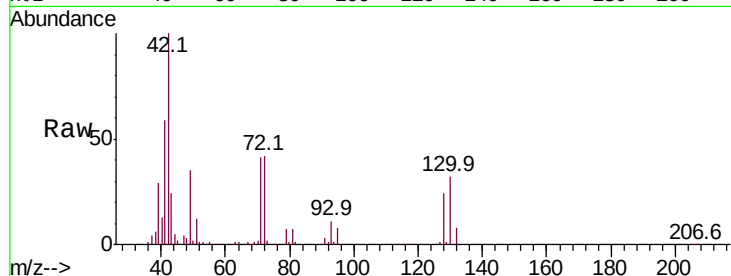
Tot Ion: 42 Resp: 107014

Ion Ratio Lower Upper

42 100

72 42.0 33.6 50.4

71 39.7 31.8 47.6



#30

Chloroform

Concen: 53.910 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005544.D

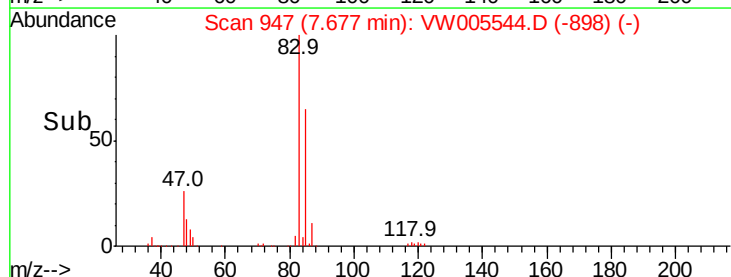
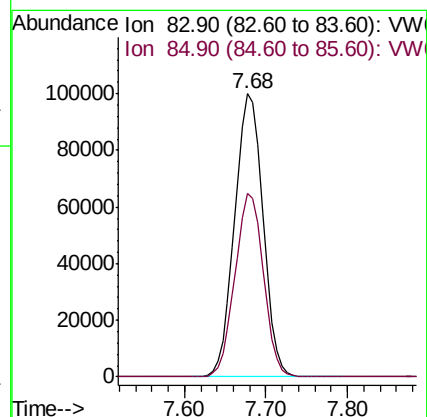
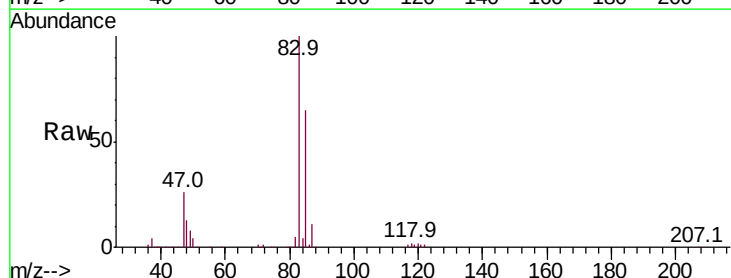
Acq: 20 Sep 2018 21:54

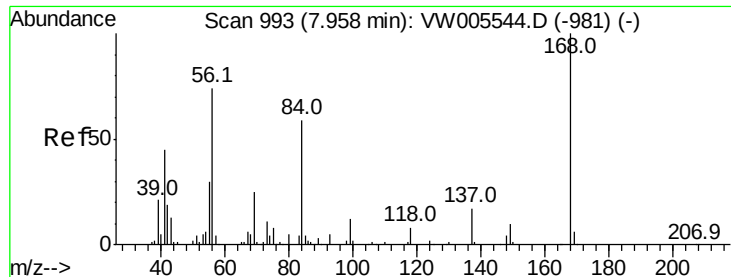
Tgt Ion: 83 Resp: 240135

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6

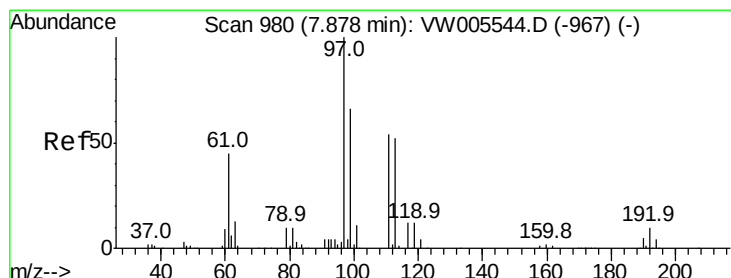
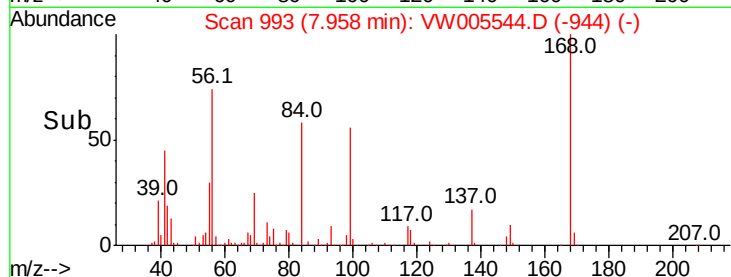
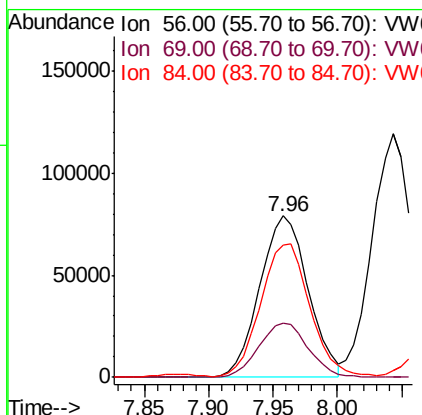
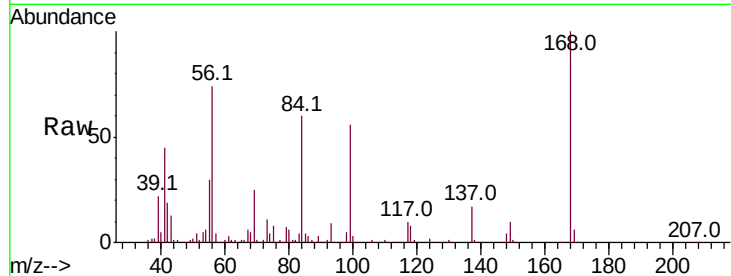




#31
Cyclohexane
Concen: 50.278 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

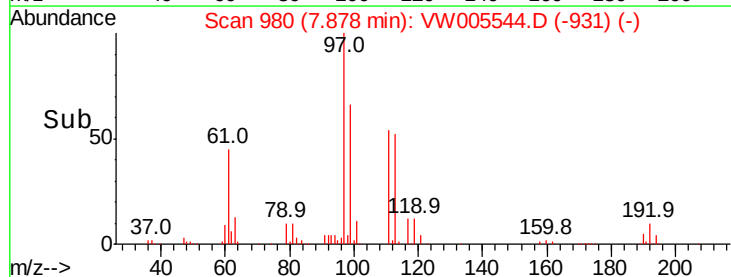
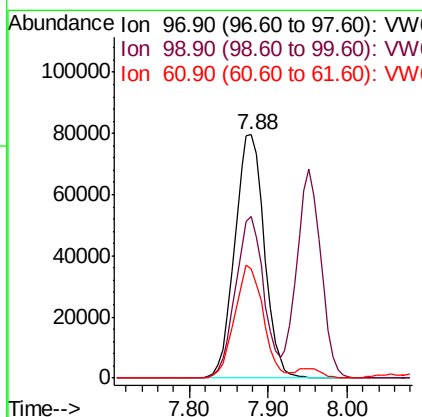
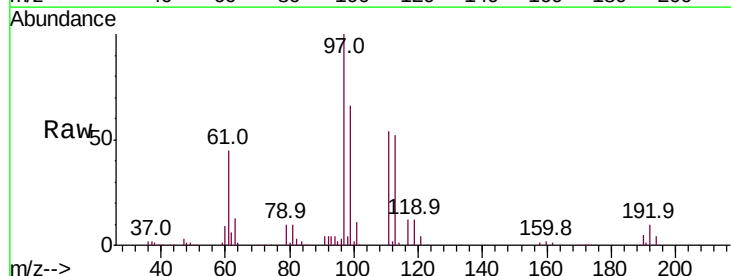
Instrument :
MSVOA_W
ClientSampleId :

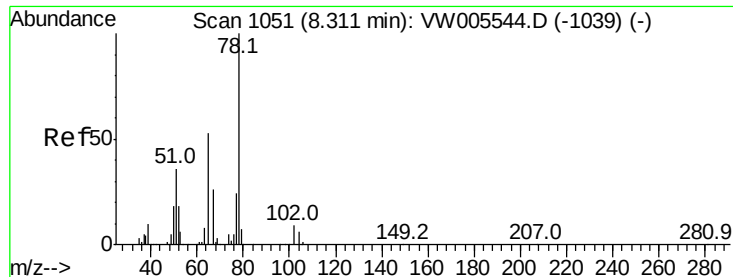
Tot Ion: 56 Resp: 206004
Ion Ratio Lower Upper
56 100
69 33.7 27.0 40.4
84 80.3 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 51.094 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion: 97 Resp: 207879
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 45.2 36.2 54.2

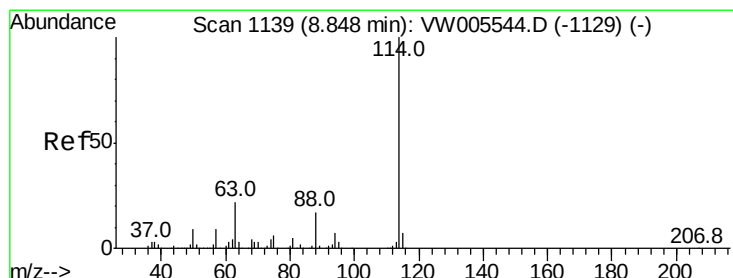
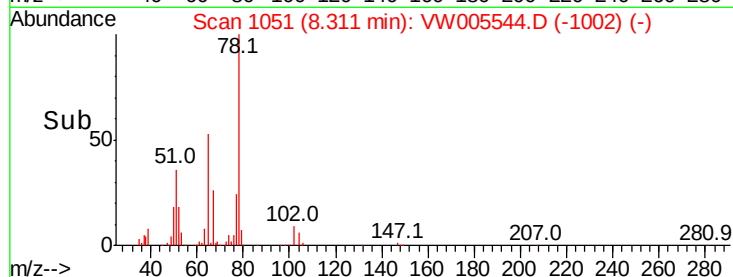
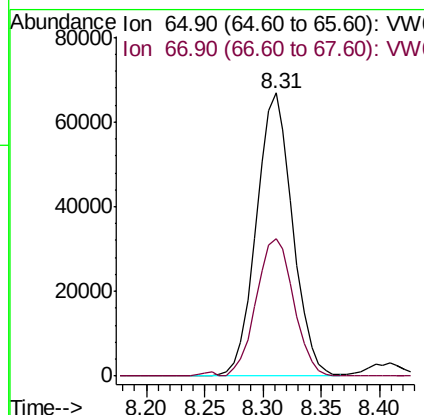
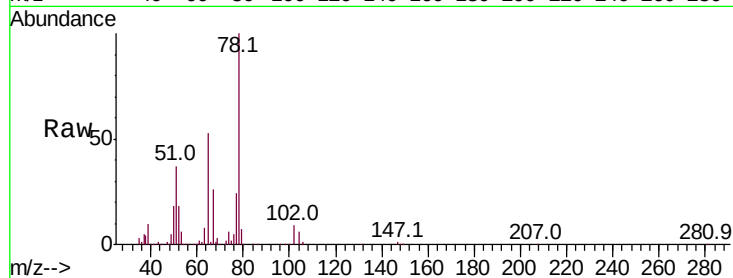




#33
 1,2-Dichloroethane-d4
 Concen: 55.323 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

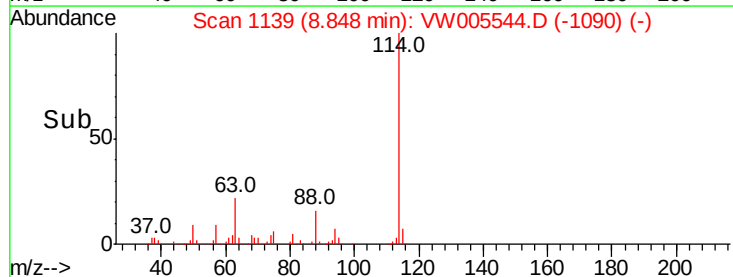
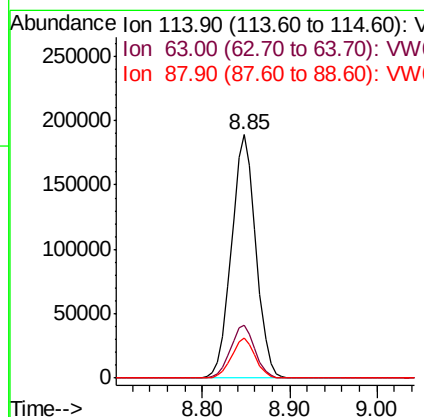
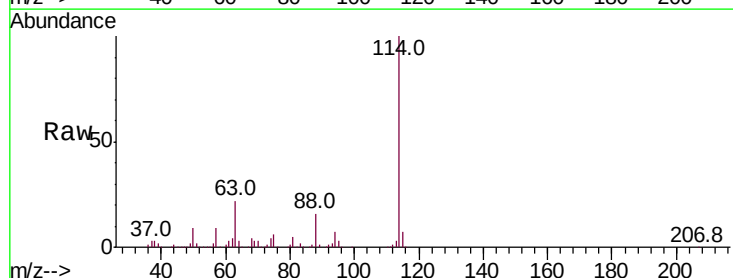
Instrument :
 MSVOA_W
 ClientSampleId :

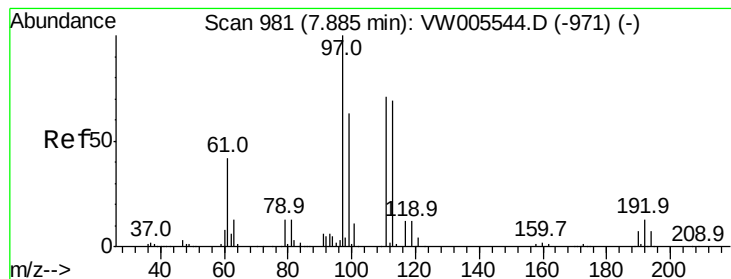
Tot Ion: 65 Resp: 144583
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion: 114 Resp: 365889
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 55.907 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

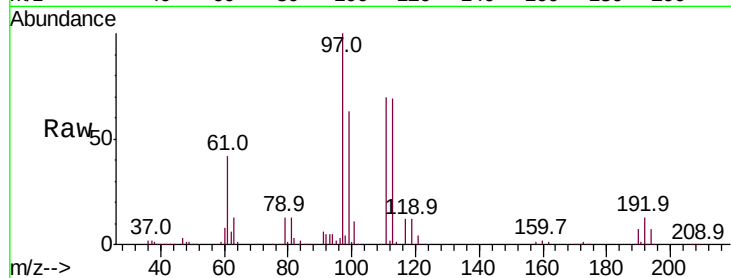
Tot Ion:113 Resp: 118373

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

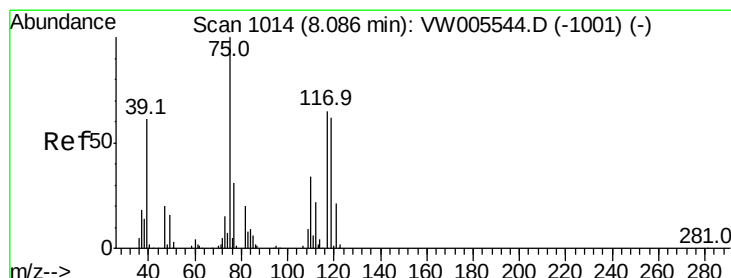
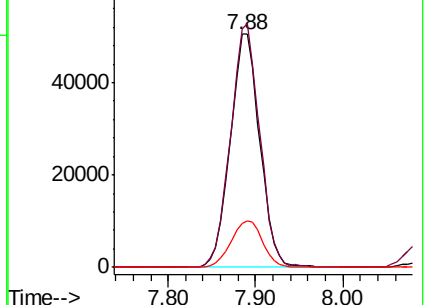
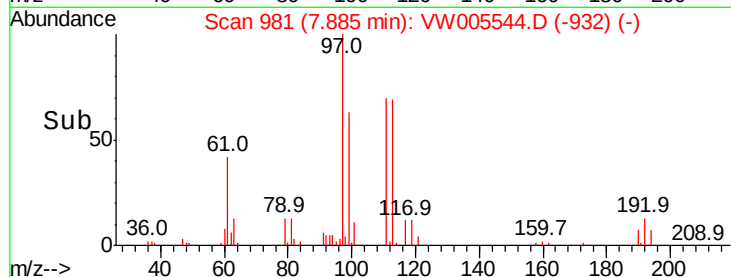
192 21.2 17.0 25.4



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: 52.678 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

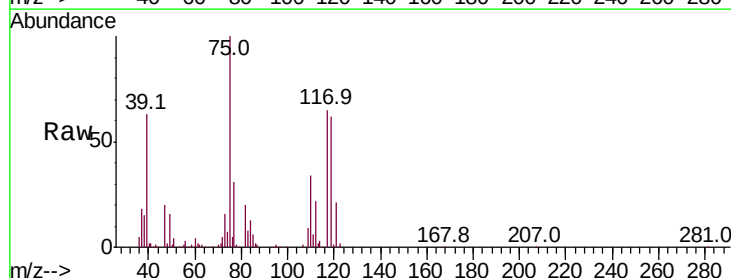
Tgt Ion: 75 Resp: 185419

Ion Ratio Lower Upper

75 100

110 33.9 17.0 50.9

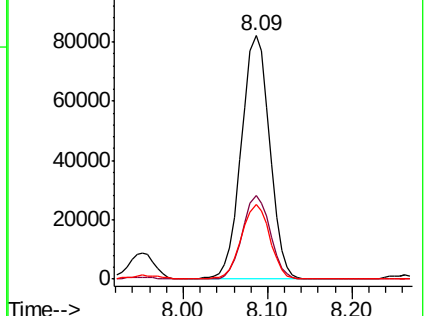
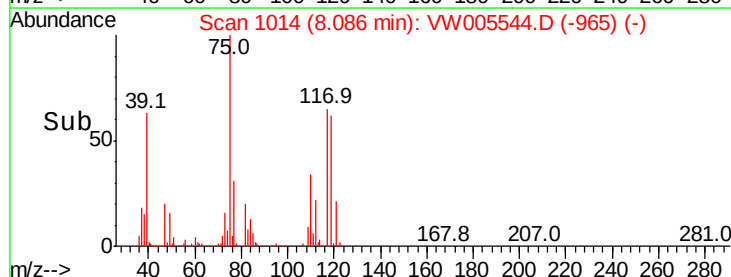
77 31.0 24.8 37.2

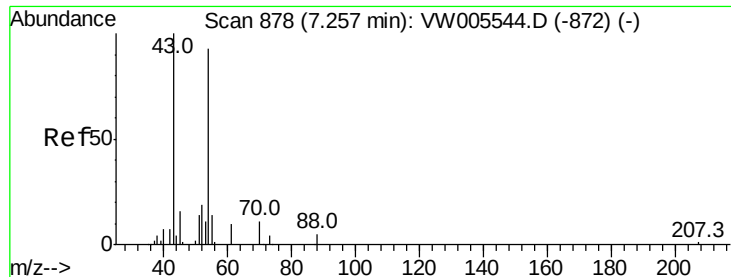


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

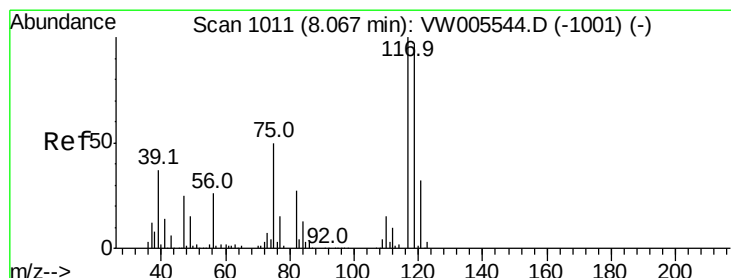
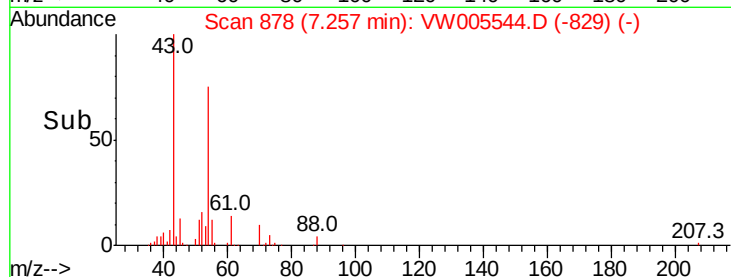
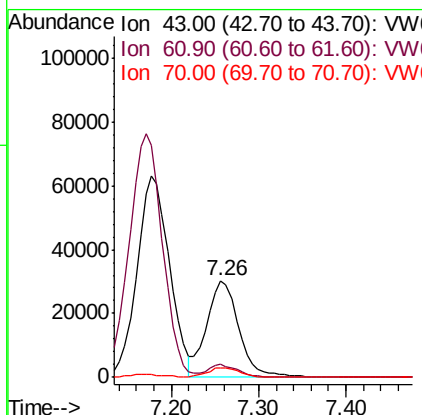
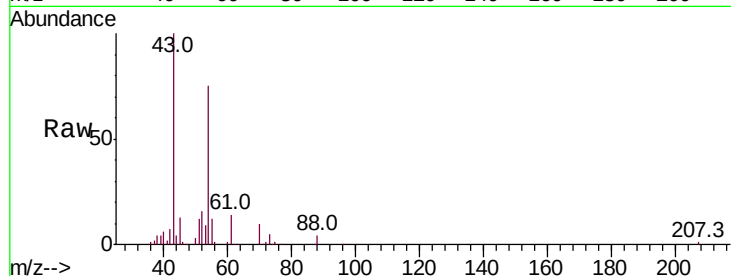




#37
Ethyl Acetate
Concen: 53.522 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

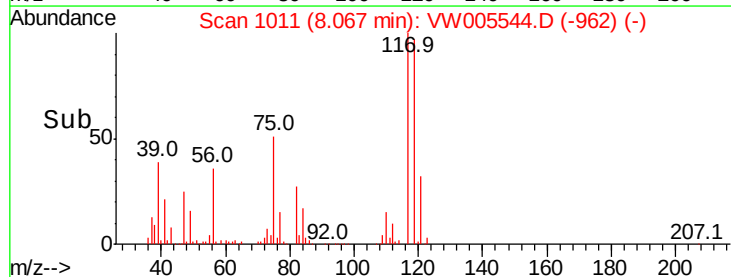
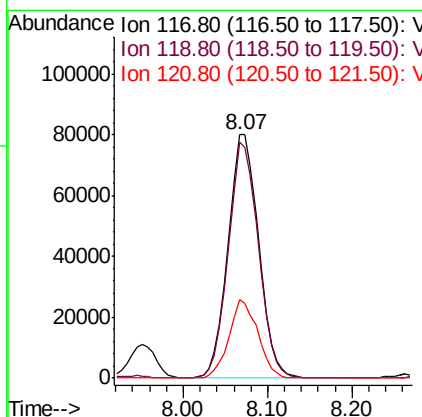
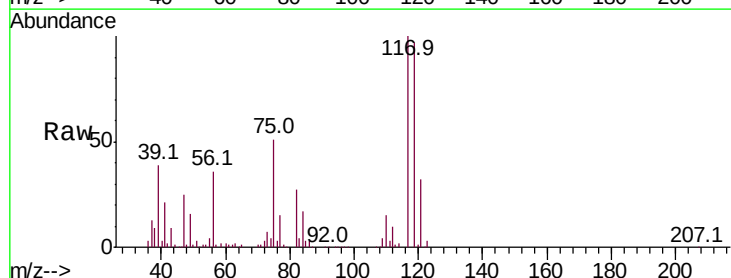
Instrument :
MSVOA_W
ClientSampled :

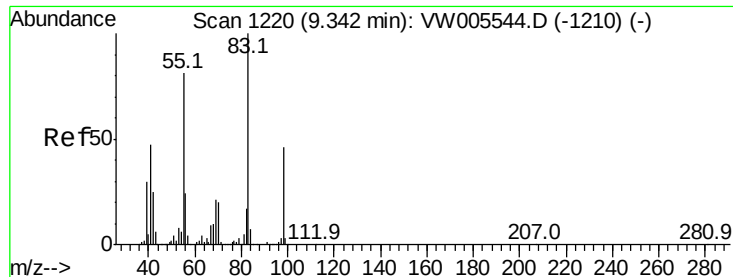
Tot Ion: 43 Resp: 77213
Ion Ratio Lower Upper
43 100
61 13.0 10.4 15.6
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 53.381 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion: 117 Resp: 197065
Ion Ratio Lower Upper
117 100
119 97.0 77.6 116.4
121 32.1 25.7 38.5

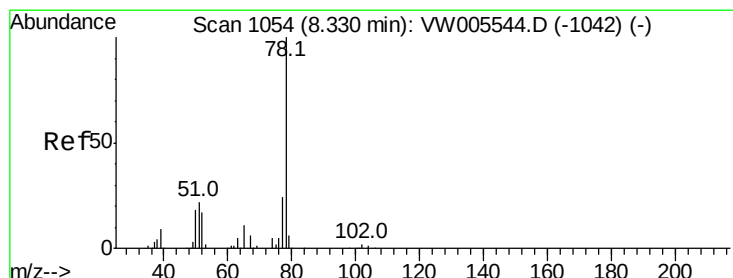
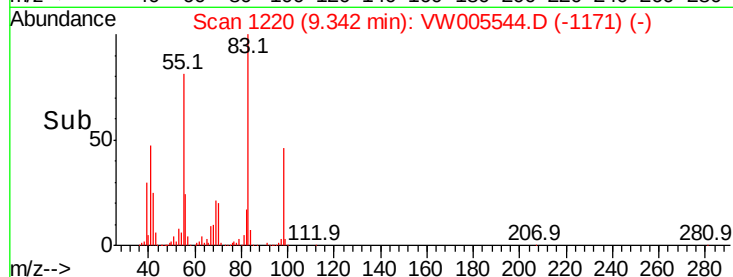
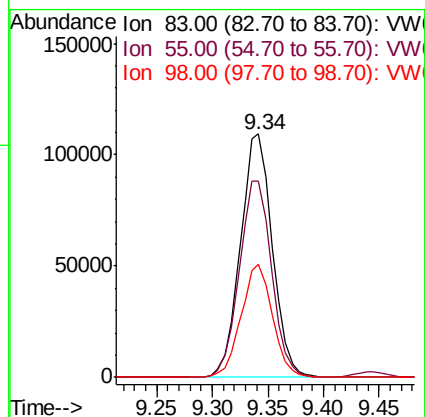
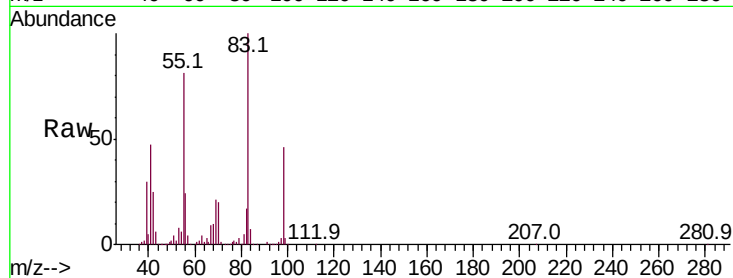




#39
Methylvlcyclohexane
Concen: 53.274 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

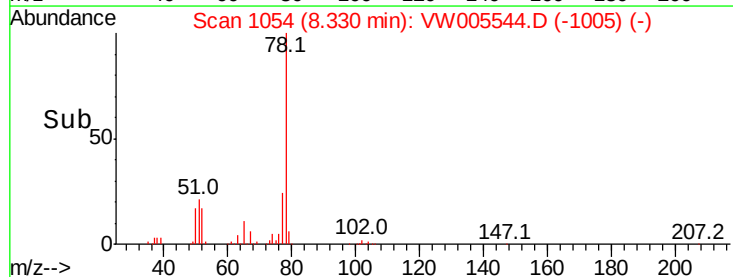
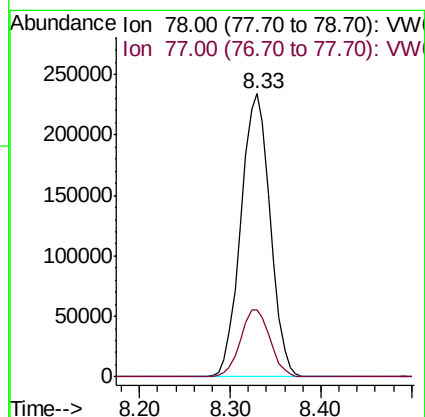
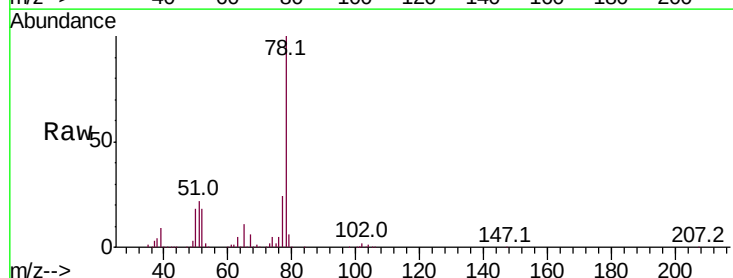
Instrument :
MSVOA_W
ClientSampleId :

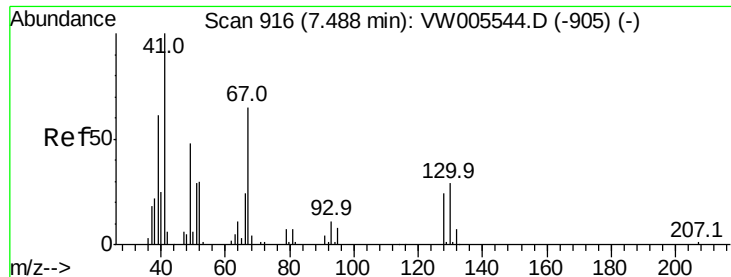
Tot Ion: 83 Resp: 217416
Ion Ratio Lower Upper
83 100
55 80.8 64.6 97.0
98 46.3 37.0 55.6



#40
Benzene
Concen: 51.612 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion: 78 Resp: 523324
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

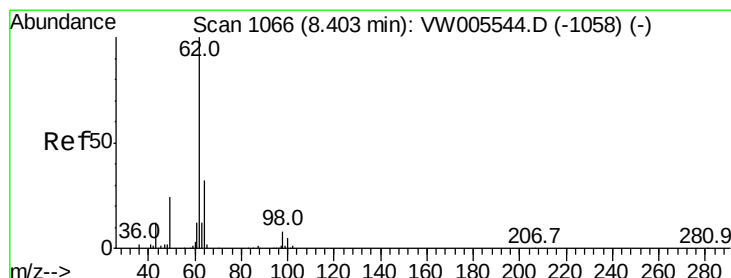
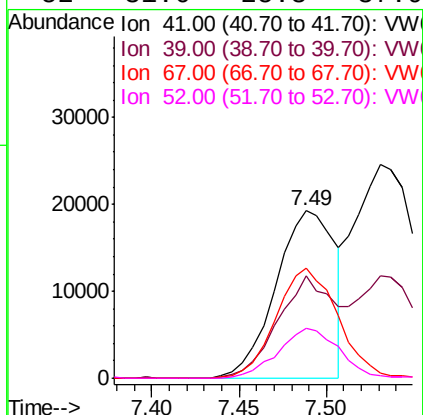
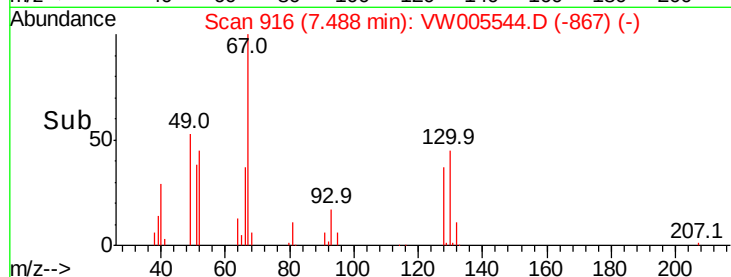
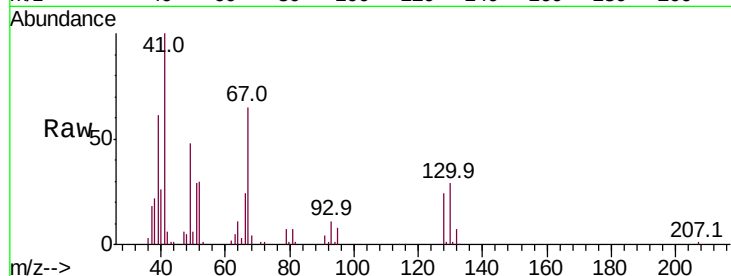




#41
Methacrylonitrile
Concen: 52.519 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

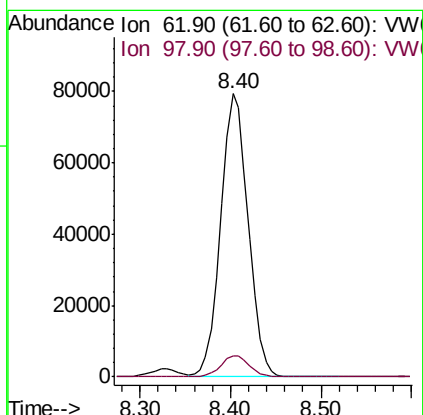
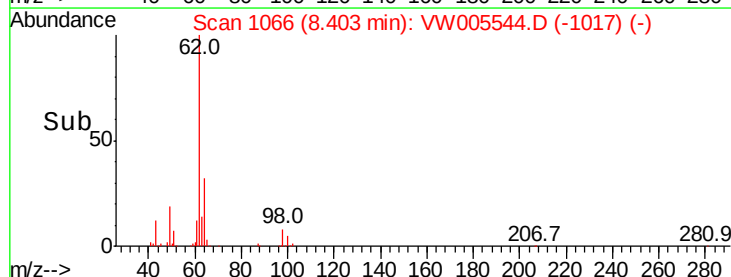
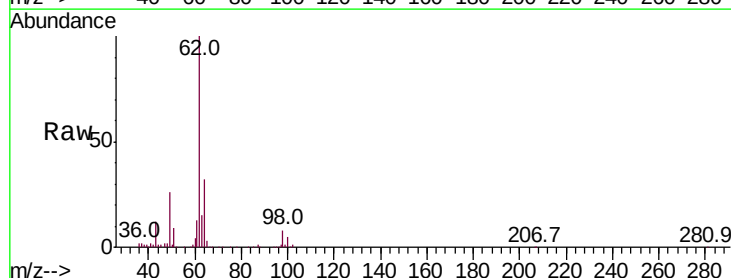
Instrument :
MSVOA_W
ClientSampled :

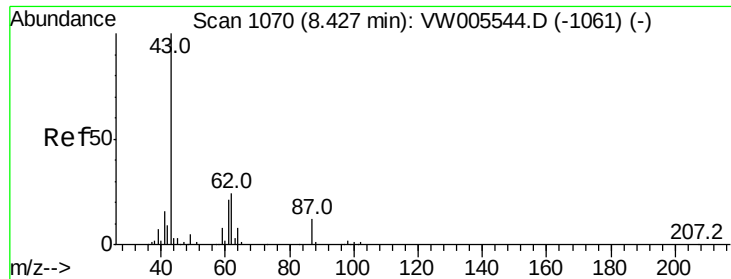
Tot Ion: 41 Resp: 45384
Ion Ratio Lower Upper
41 100
39 56.8 45.4 68.2
67 69.0 55.2 82.8
52 31.6 25.3 37.9



#42
1,2-Dichloroethane
Concen: 52.268 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion: 62 Resp: 167457
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.6





#43

Isopropyl Acetate

Concen: 53.274 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

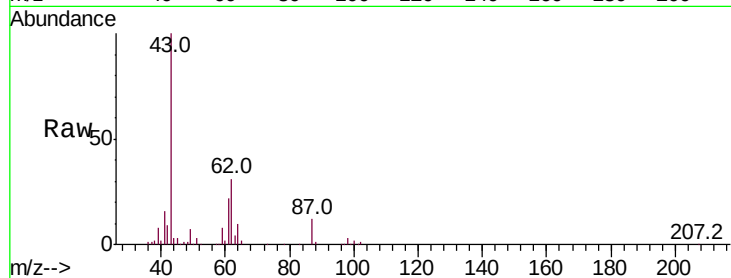
Tot Ion: 43 Resp: 149088

Ion Ratio Lower Upper

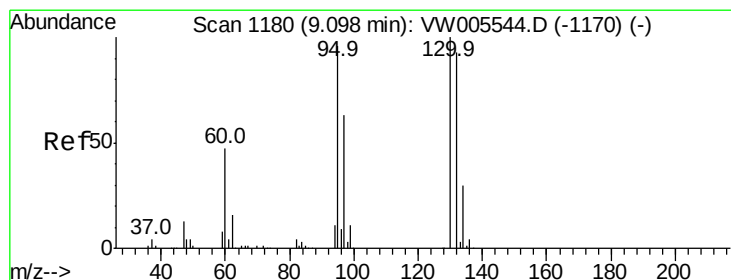
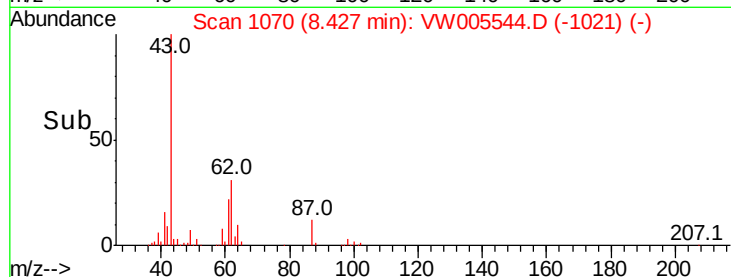
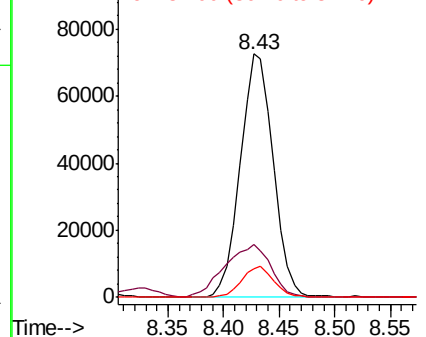
43 100

61 30.1 24.1 36.1

87 12.3 9.8 14.8



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: 50.834 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005544.D

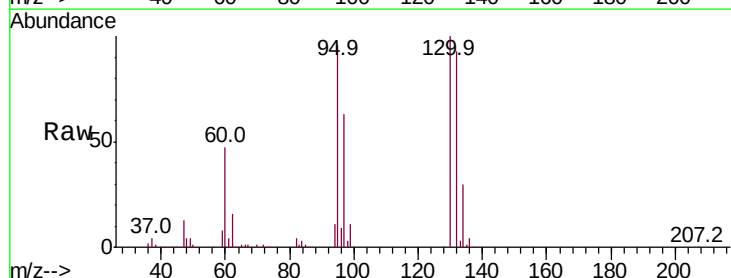
Acq: 20 Sep 2018 21:54

Tgt Ion:130 Resp: 132704

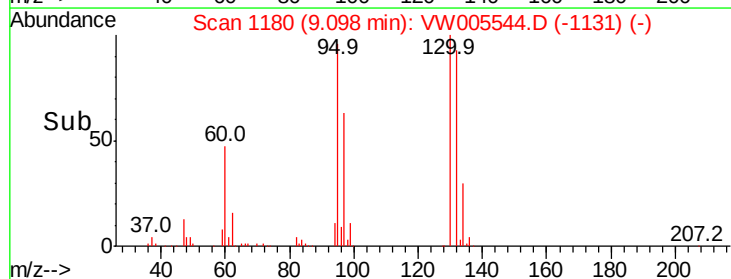
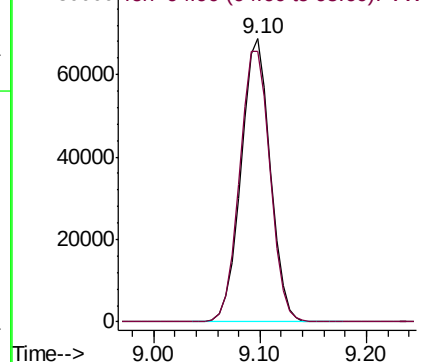
Ion Ratio Lower Upper

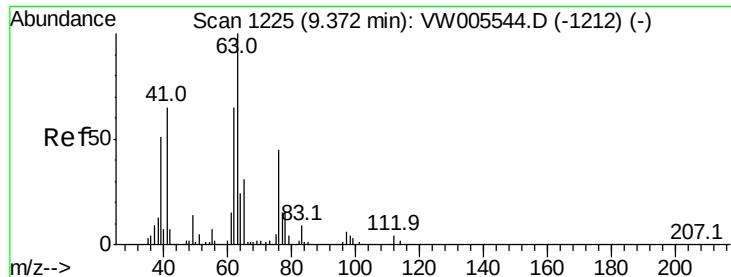
130 100

95 95.6 0.0 191.2



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

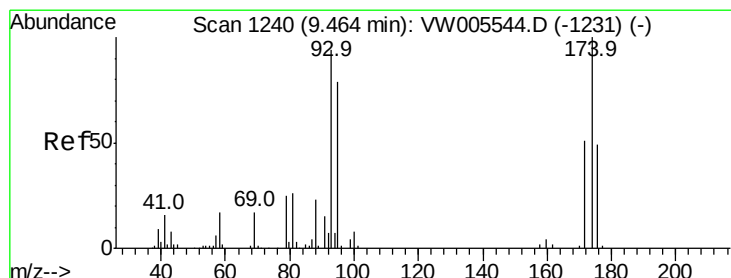
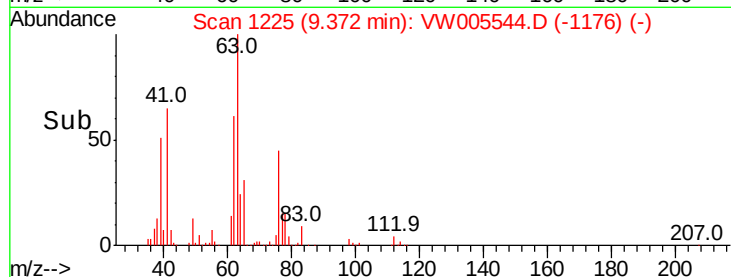
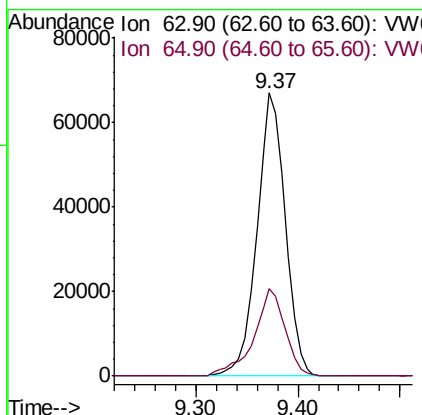
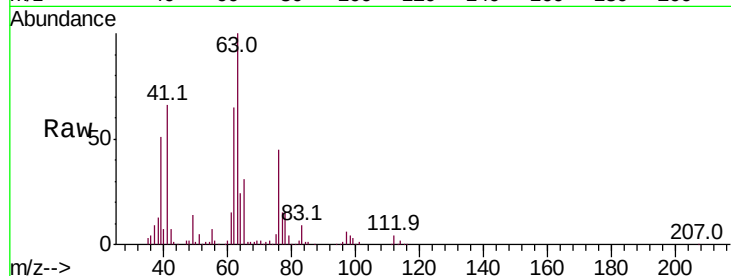




#45
 1,2-Dichloropropane
 Concen: 53.102 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

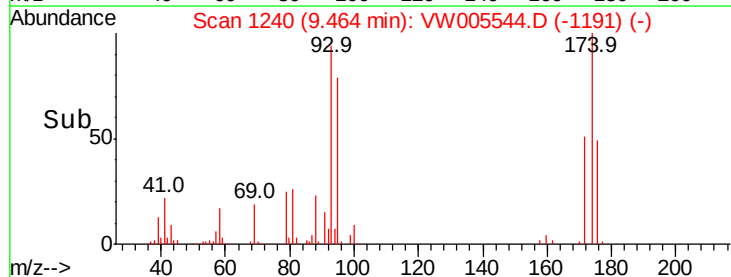
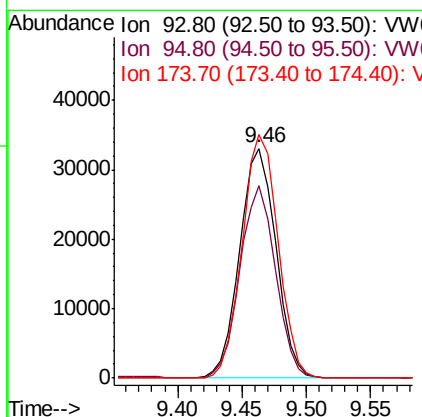
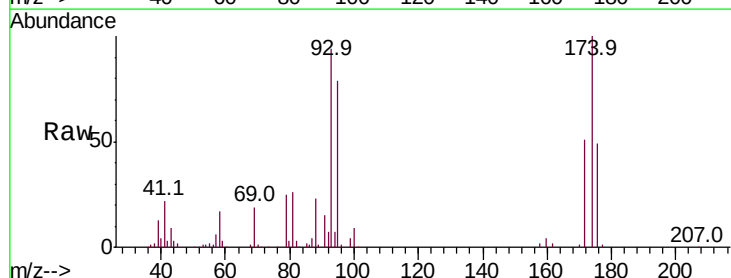
Instrument :
 MSVOA_W
 ClientSampleId :

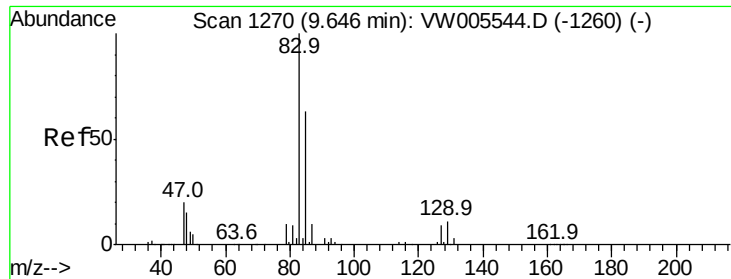
Tot Ion: 63 Resp: 129632
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



#46
 Dibromomethane
 Concen: 53.476 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion: 93 Resp: 64513
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.8
 174 105.0 84.0 126.0





#47

Bromodichloromethane

Concen: 53.717 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

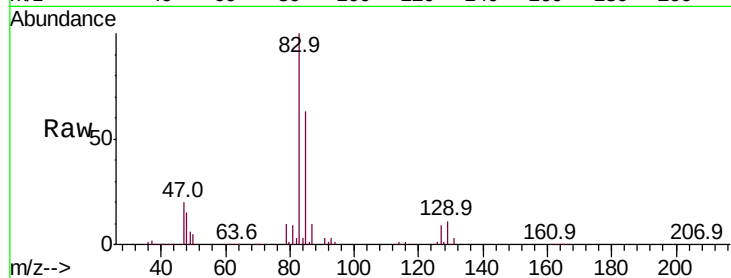
Tot Ion: 83 Resp: 175059

Ion Ratio Lower Upper

83 100

85 63.1 50.5 75.7

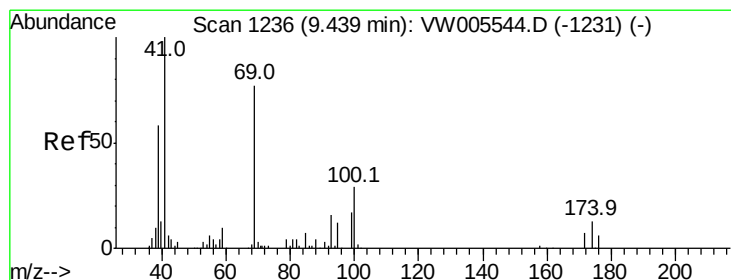
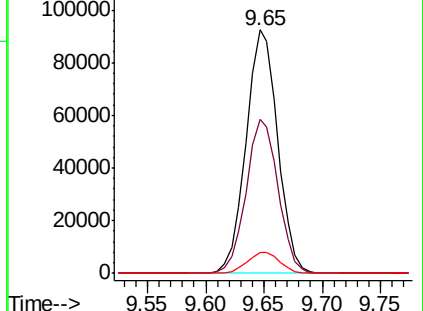
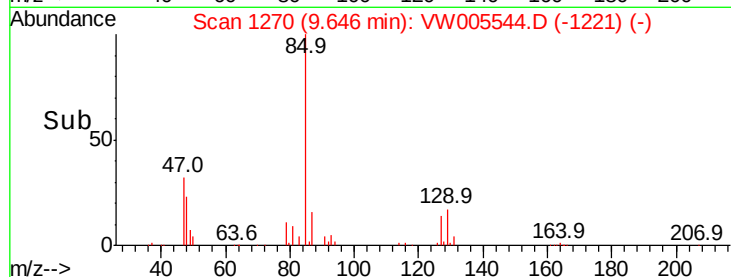
127 8.8 7.0 10.6



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: 53.292 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

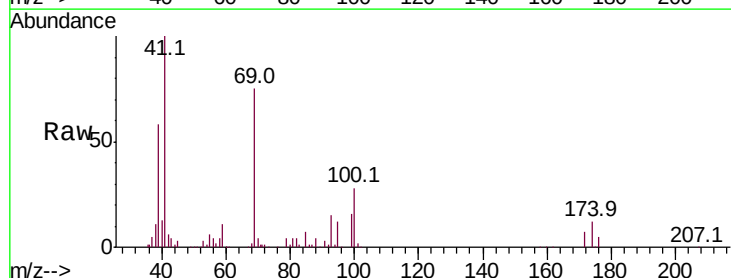
Tgt Ion: 41 Resp: 73769

Ion Ratio Lower Upper

41 100

69 80.9 64.7 97.1

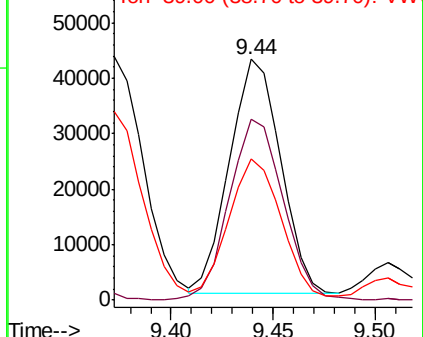
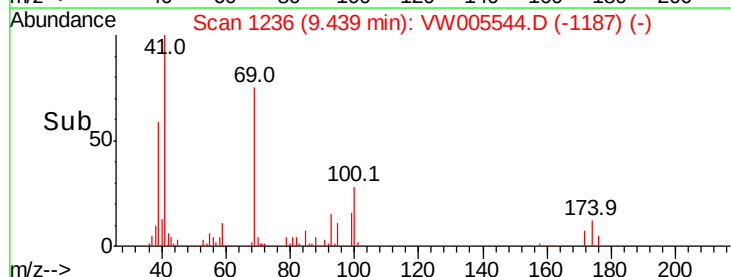
39 63.1 50.5 75.7

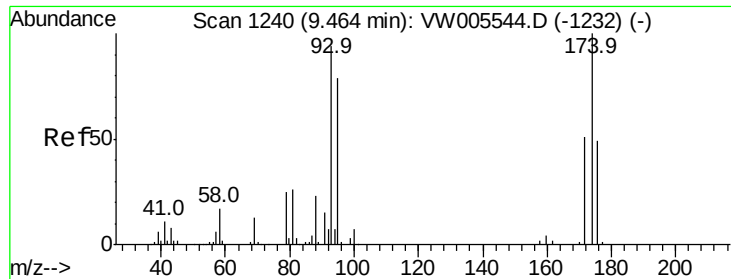


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1006.235 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampled :

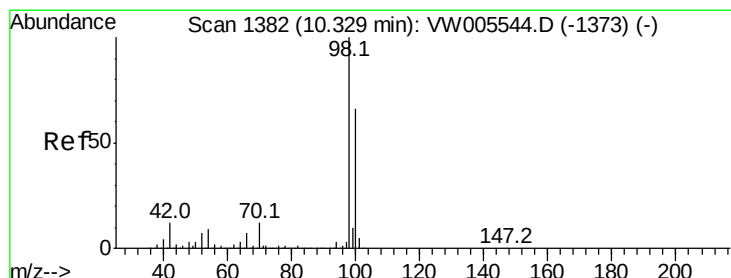
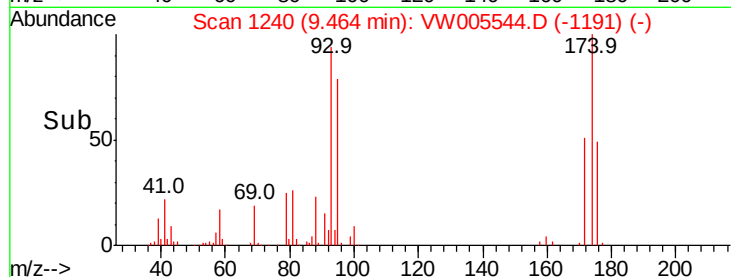
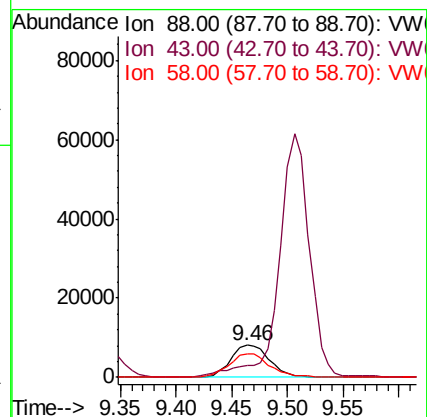
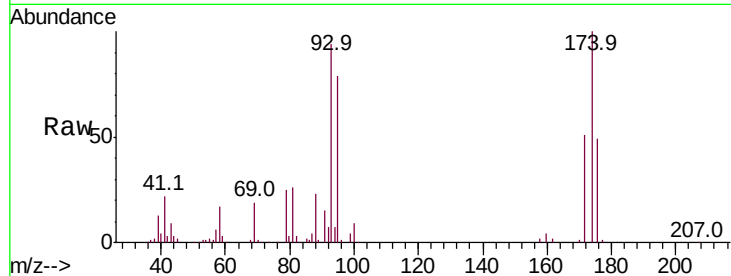
Tot Ion: 88 Resp: 19734

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 76.5 61.2 91.8



#50

Toluene-d8

Concen: 51.588 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005544.D

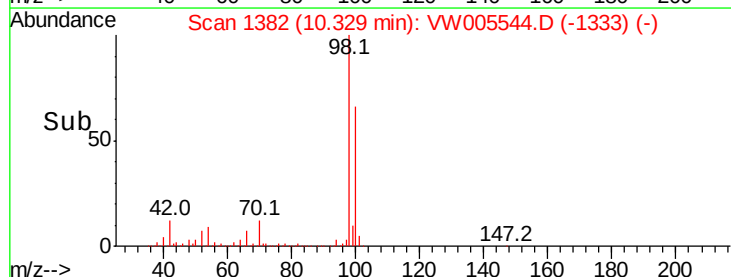
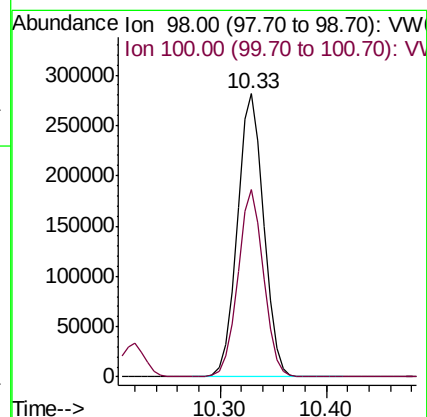
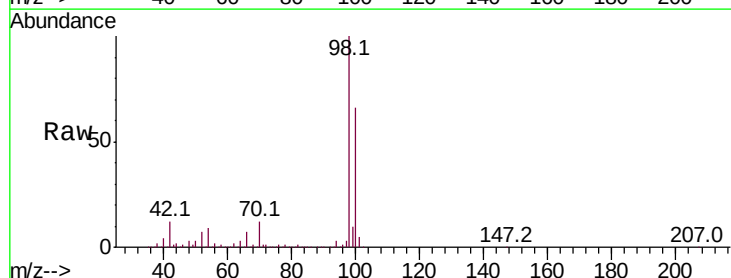
Acq: 20 Sep 2018 21:54

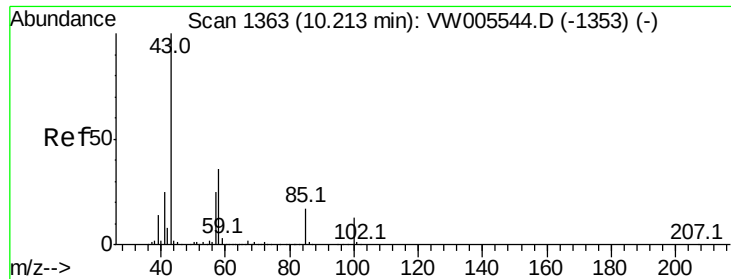
Tgt Ion: 98 Resp: 487399

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 267.329 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

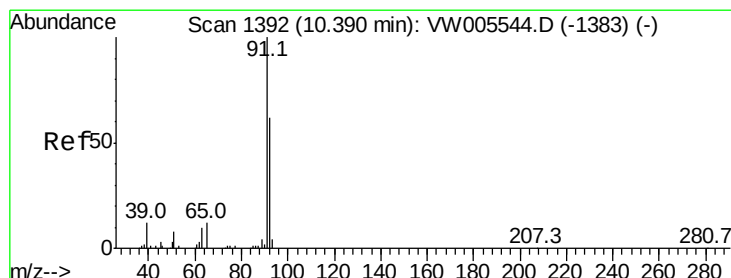
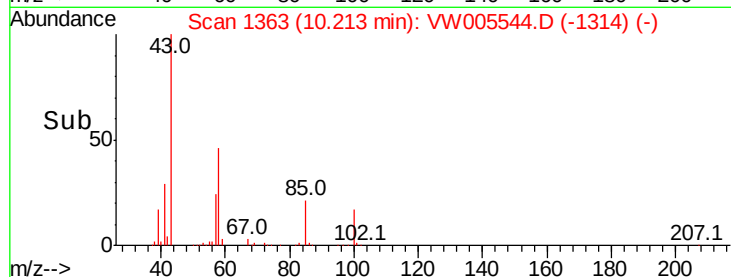
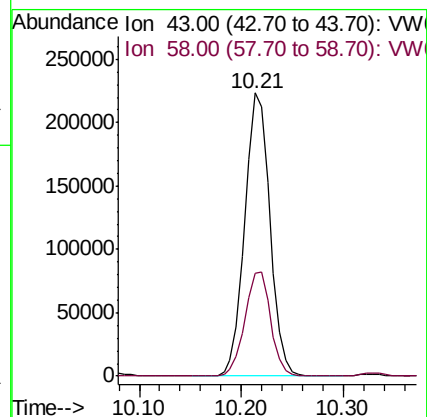
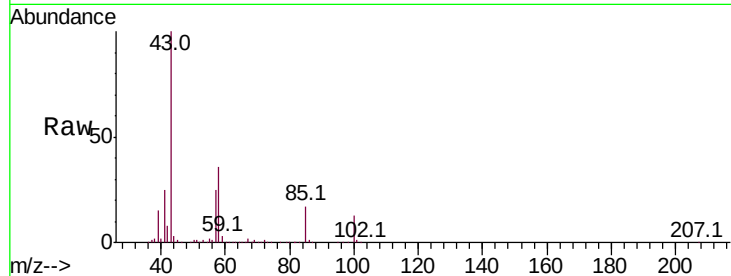
ClientSampleId :

Tot Ion: 43 Resp: 382641

Ion Ratio Lower Upper

43 100

58 37.5 30.0 45.0



#52

Toluene

Concen: 49.128 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005544.D

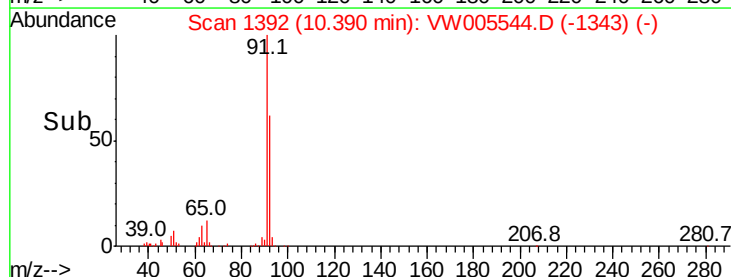
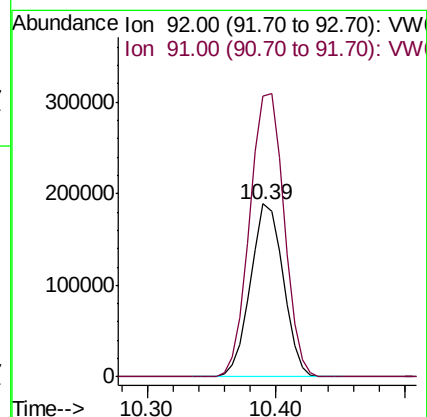
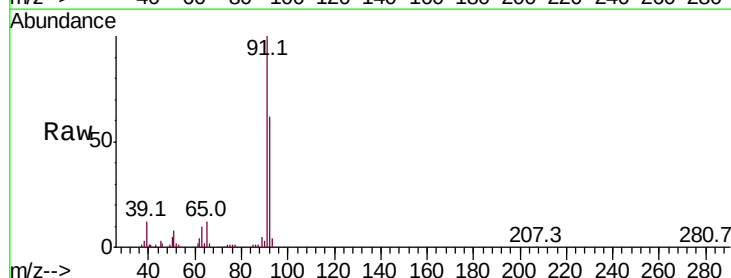
Acq: 20 Sep 2018 21:54

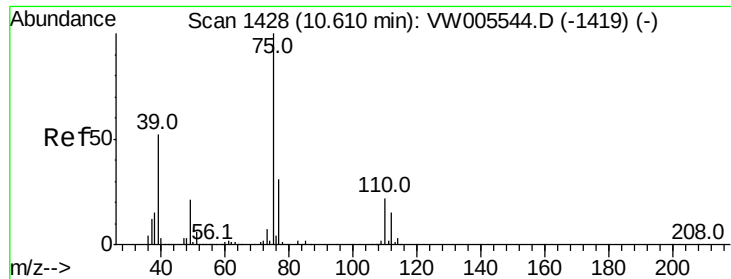
Tgt Ion: 92 Resp: 332387

Ion Ratio Lower Upper

92 100

91 171.4 137.1 205.7

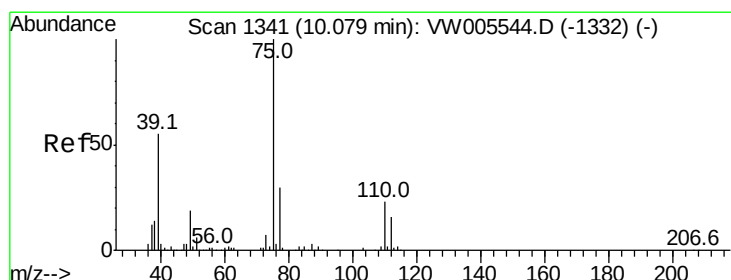
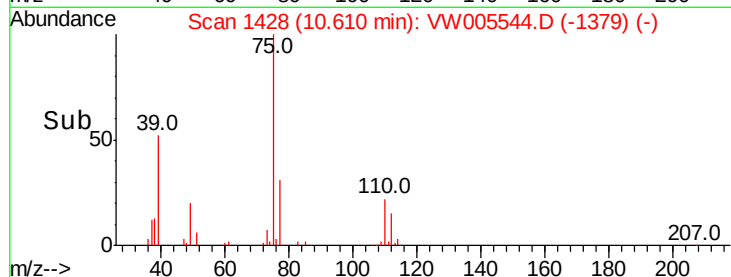
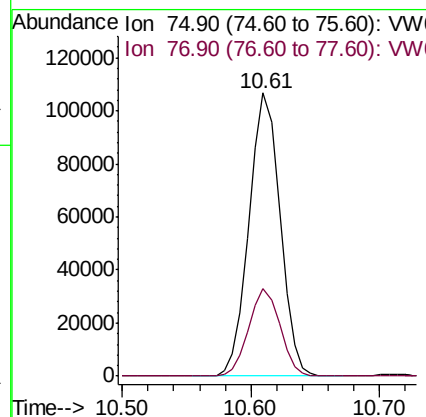
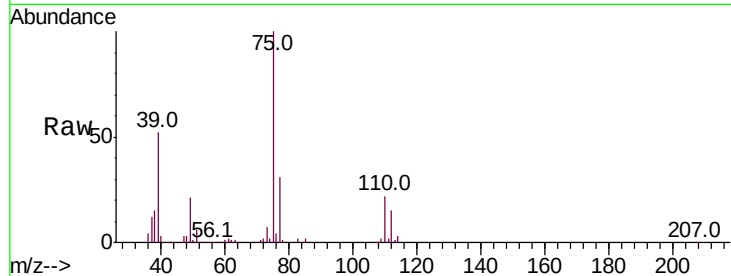




#53
 t-1,3-Dichloropropene
 Concen: 54.473 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

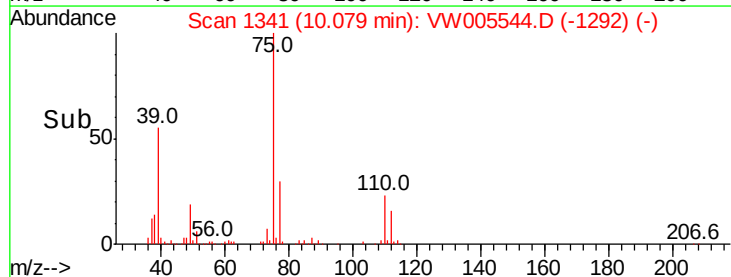
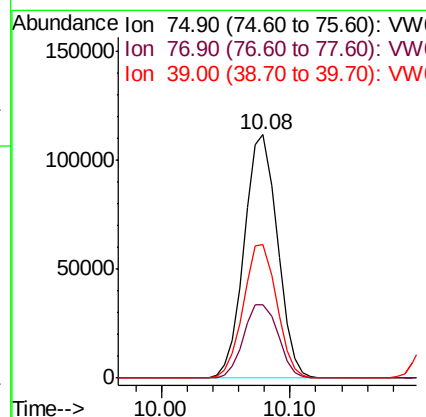
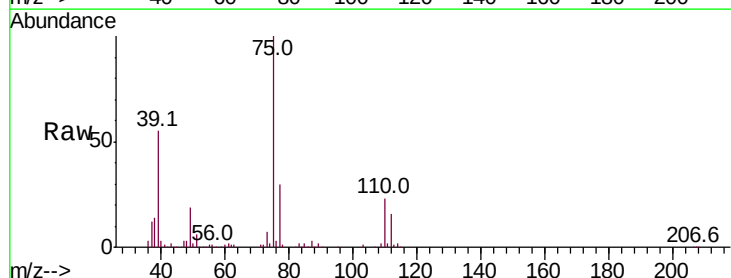
Instrument :
 MSVOA_W
 ClientSampled :

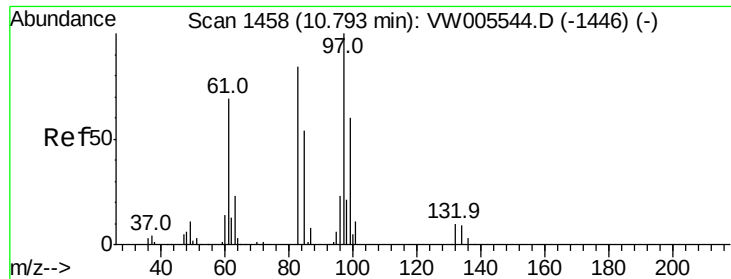
Tot Ion: 75 Resp: 177758
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 54.075 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion: 75 Resp: 199697
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.3 36.5
 39 54.6 43.7 65.5

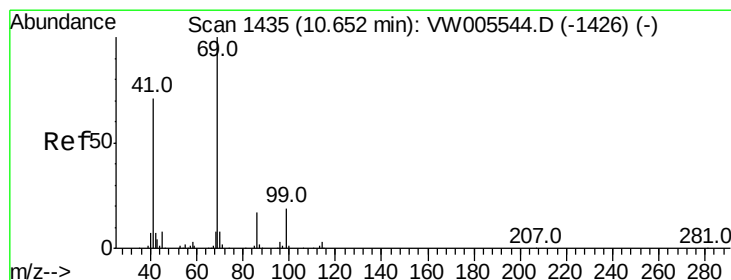
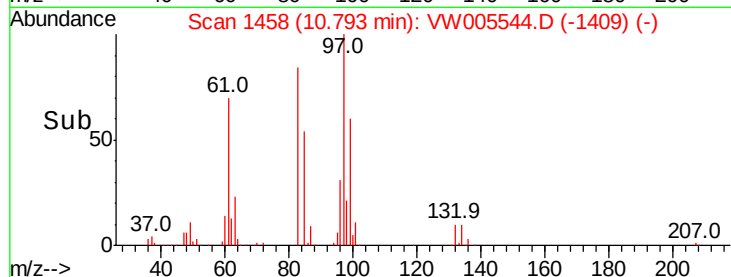
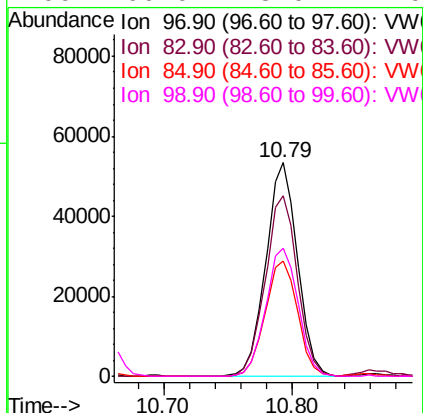
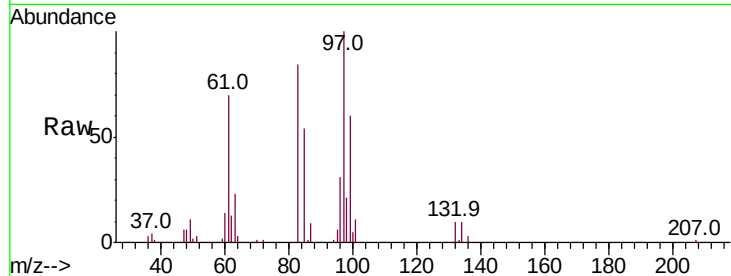




#55
 1,1,2-Trichloroethane
 Concen: 51.002 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

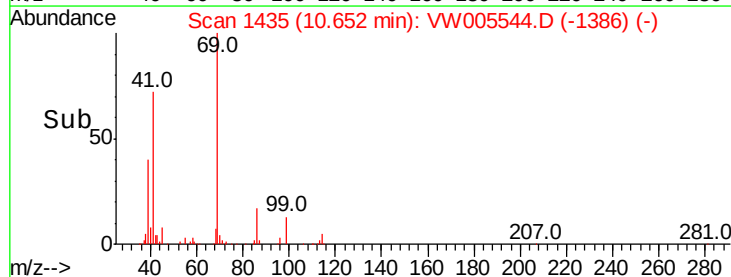
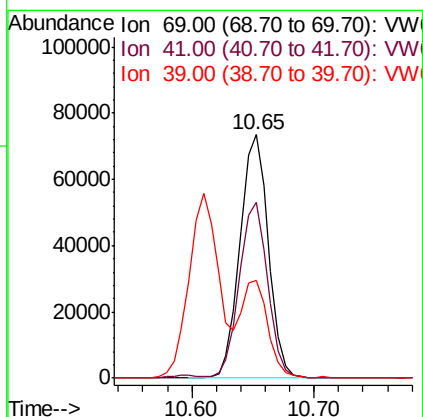
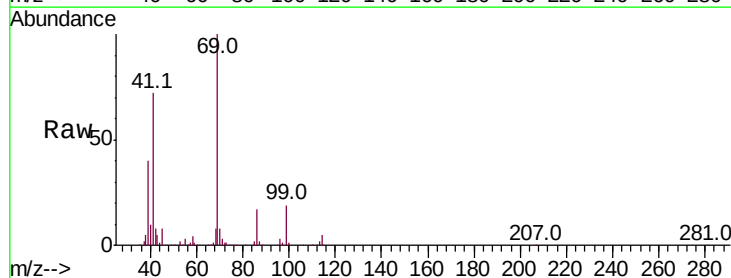
Instrument :
 MSVOA_W
 ClientSampleId :

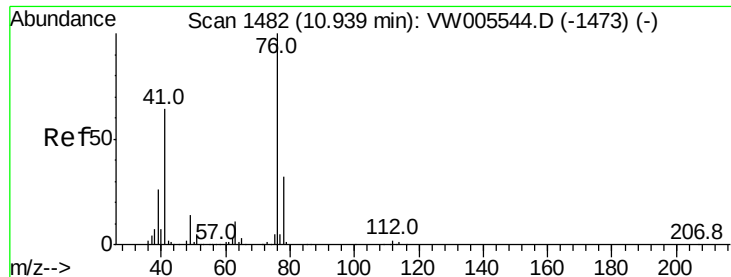
Tot Ion:	97	Resp:	90866
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	54.1	43.3	64.9
99	60.0	48.0	72.0



#56
 Ethyl methacrylate
 Concen: 53.012 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion:	69	Resp:	118229
Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.3	85.9
39	36.5	29.2	43.8

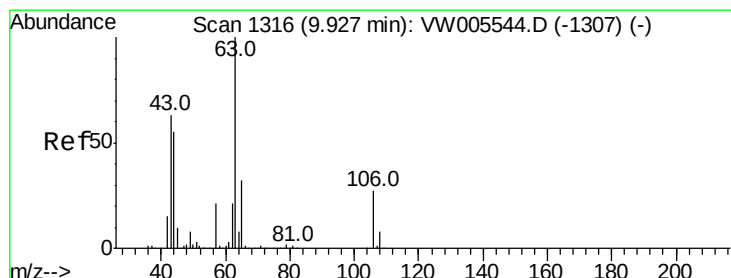
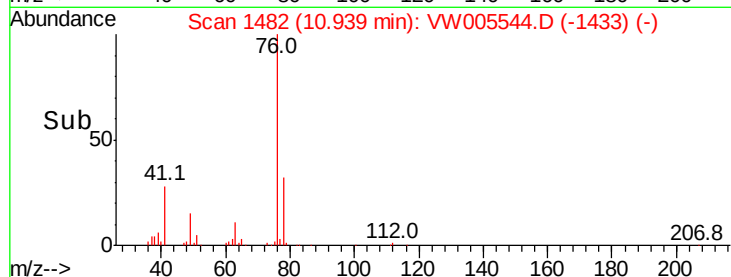
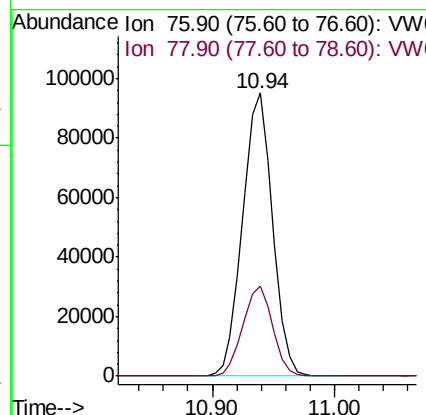
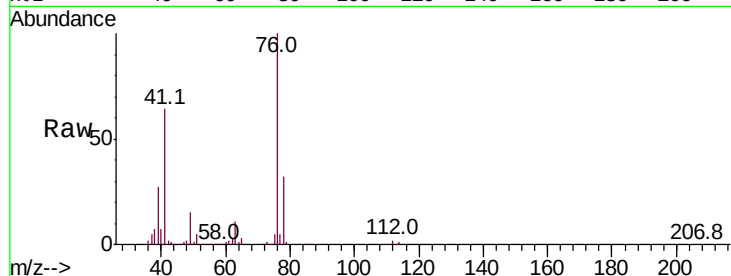




#57
 1,3-Dichloropropane
 Concen: 52.482 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

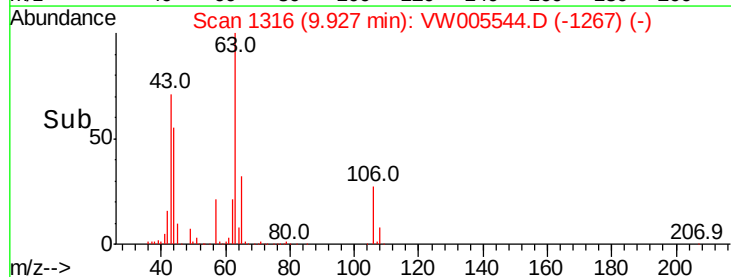
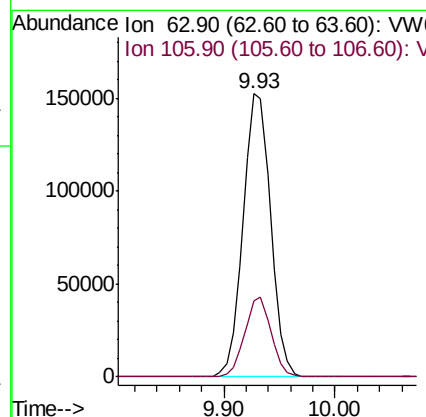
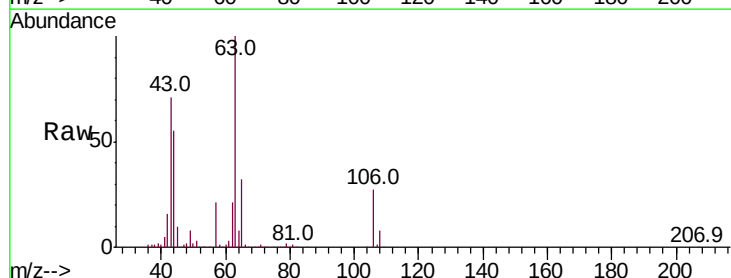
Instrument :
 MSVOA_W
 ClientSampleId :

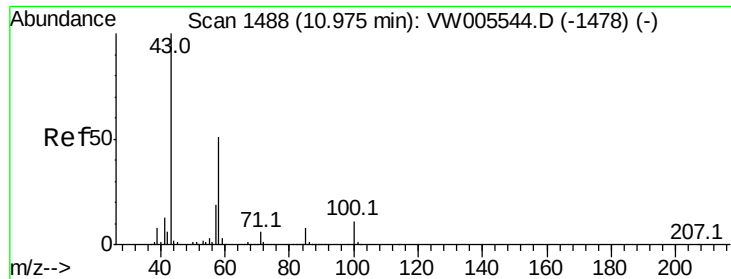
Tot Ion: 76 Resp: 161072
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.694 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion: 63 Resp: 261381
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4

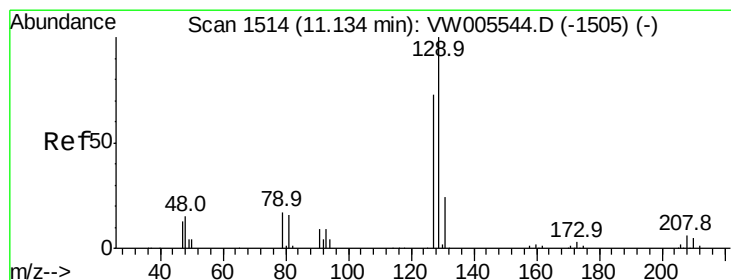
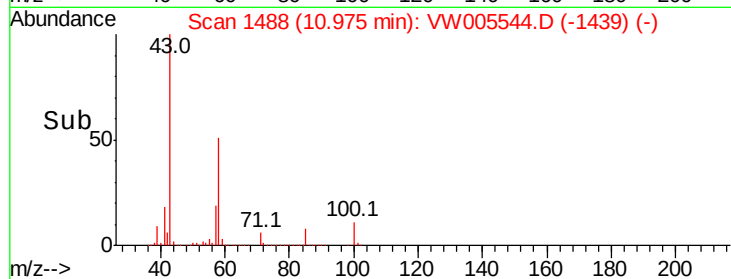
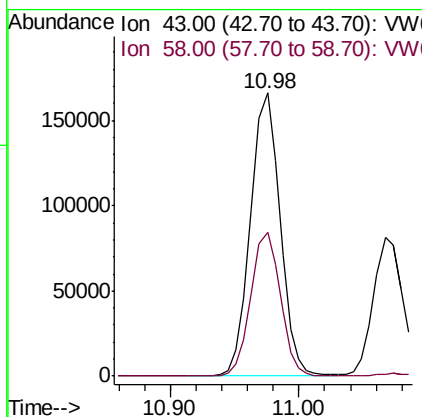
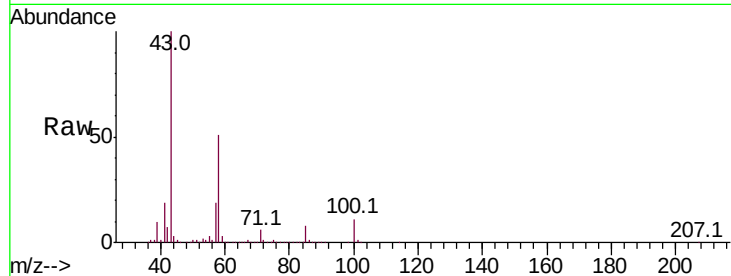




#59
2-Hexanone
Concen: 272.643 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

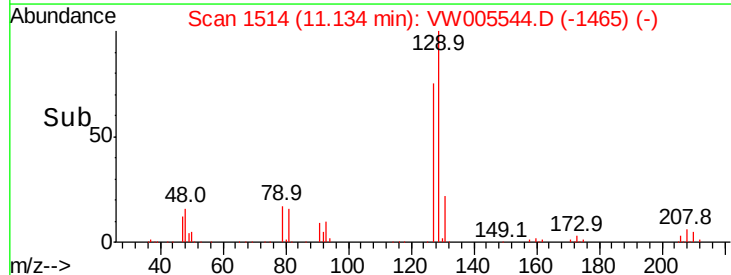
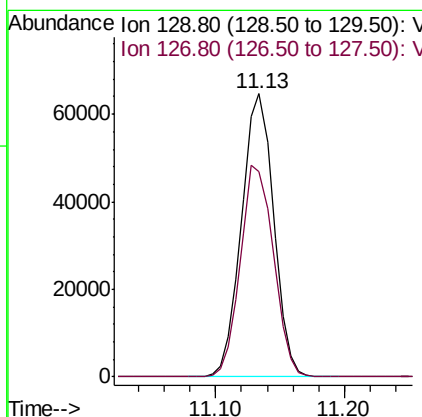
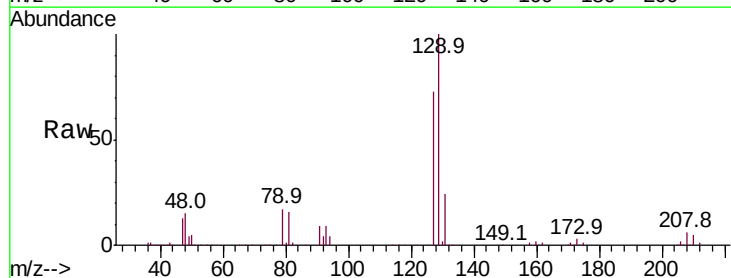
Instrument :
MSVOA_W
ClientSampleId :

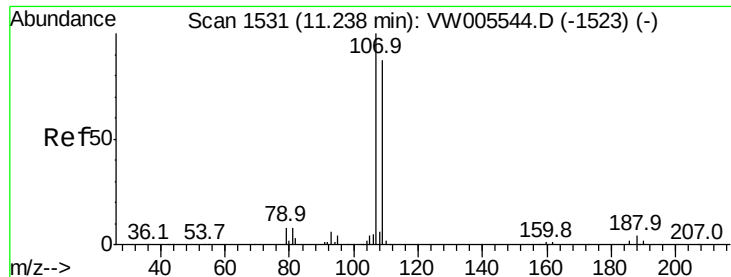
Tot Ion: 43 Resp: 264828
Ion Ratio Lower Upper
43 100
58 50.6 25.3 75.9



#60
Dibromochloromethane
Concen: 52.182 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion: 129 Resp: 111691
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

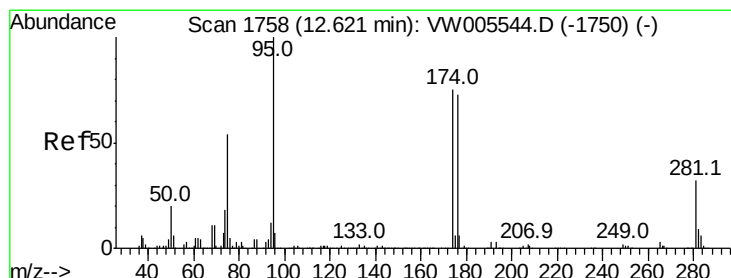
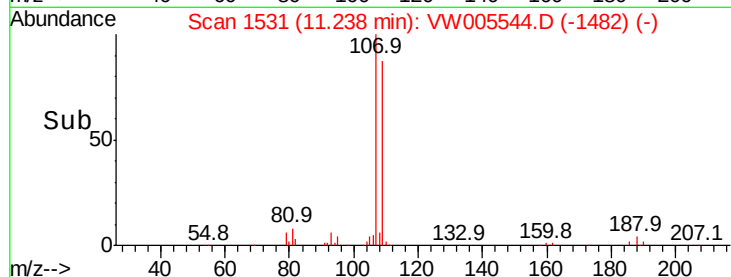
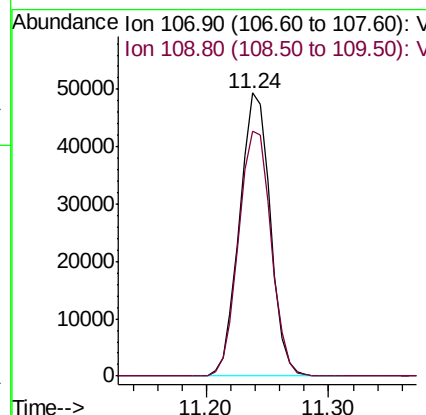
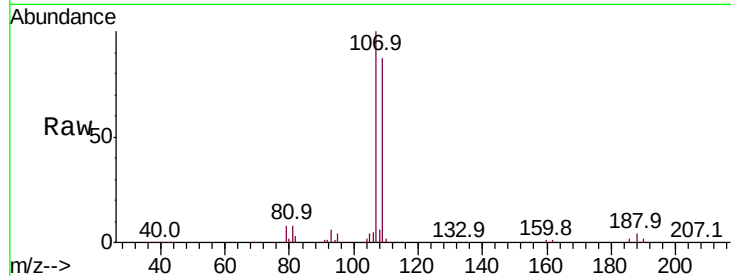




#61
 1,2-Dibromoethane
 Concen: 53.512 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

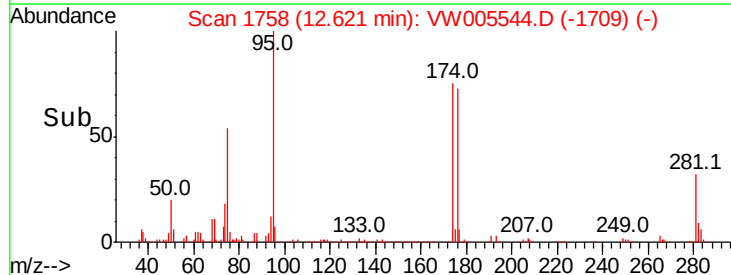
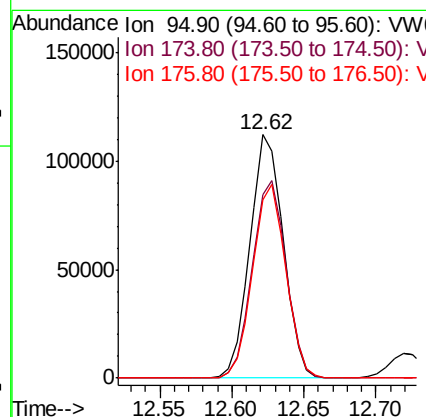
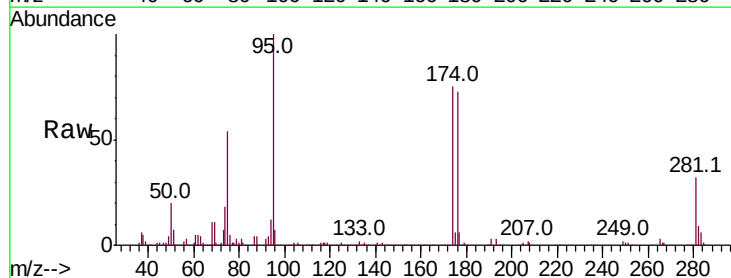
Instrument :
 MSVOA_W
 ClientSampled :

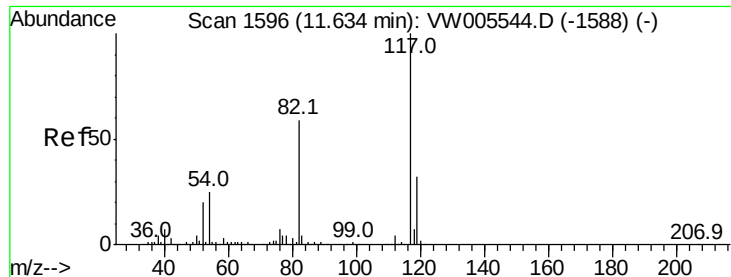
Tot Ion:107 Resp: 85795
 Ion Ratio Lower Upper
 107 100
 109 91.7 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 51.946 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion: 95 Resp: 179582
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 163.8
 176 79.0 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

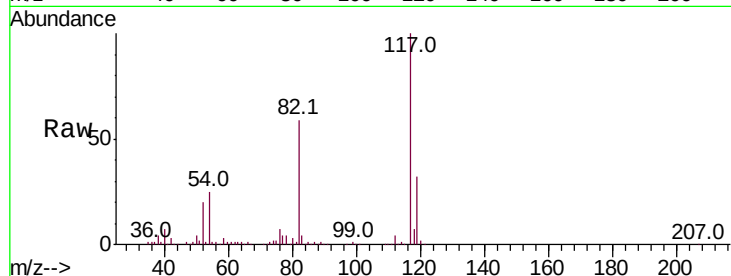
Tot Ion:117 Resp: 337710

Ion Ratio Lower Upper

117 100

82 58.6 46.9 70.3

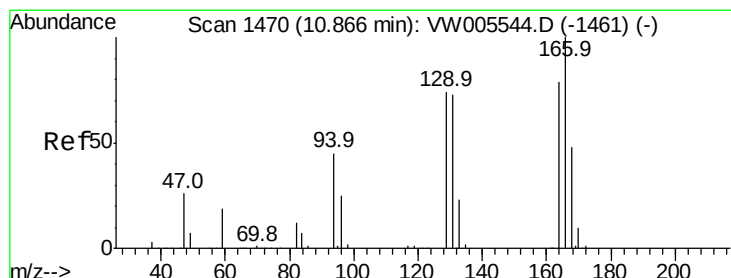
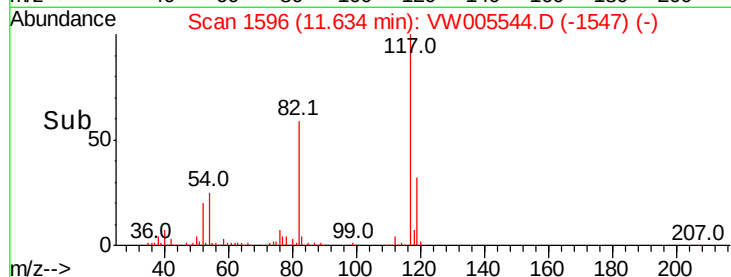
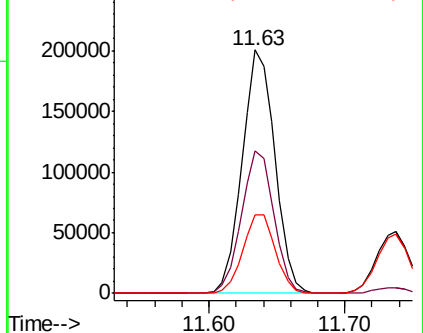
119 32.1 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.828 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Tgt Ion:164 Resp: 118686

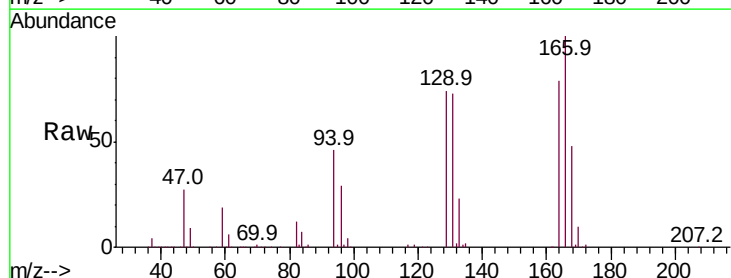
Ion Ratio Lower Upper

164 100

166 126.4 101.1 151.7

129 93.0 74.4 111.6

131 92.2 73.8 110.6

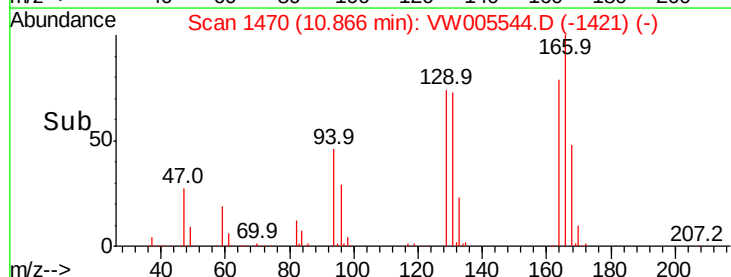
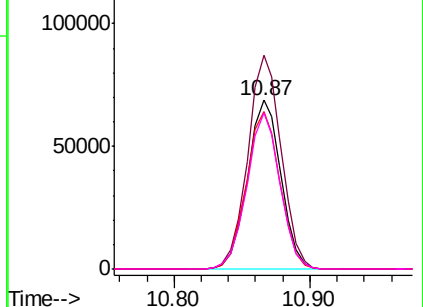


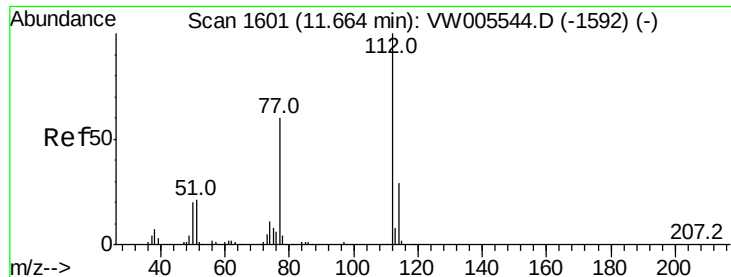
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

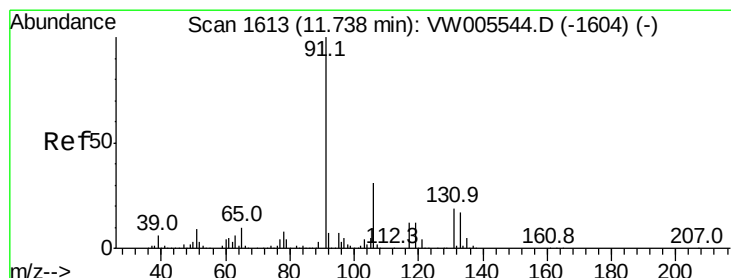
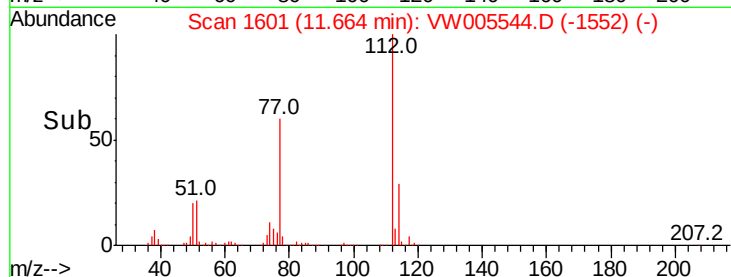
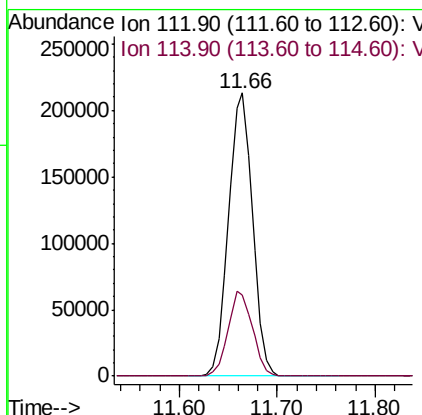
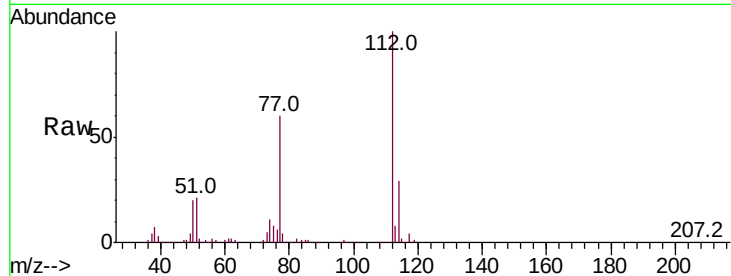




#65
Chlorobenzene
Concen: 50.282 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

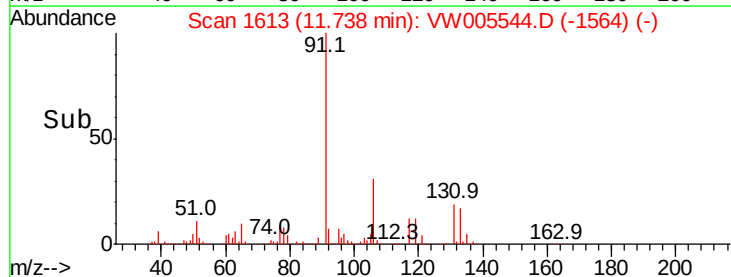
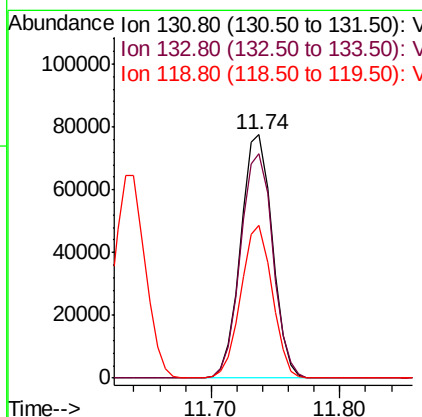
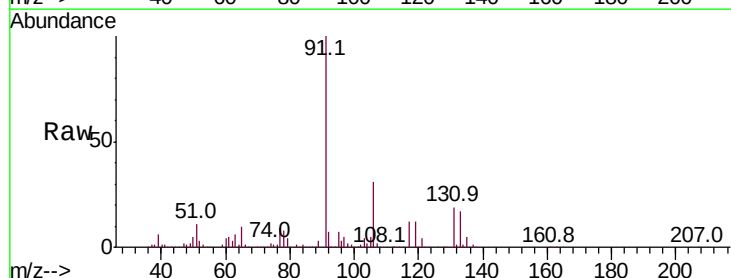
Instrument :
MSVOA_W
ClientSampleId :

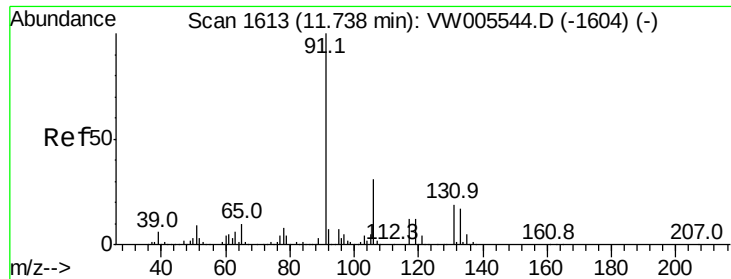
Tot Ion:112 Resp: 362177
Ion Ratio Lower Upper
112 100
114 28.6 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 55.908 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion:131 Resp: 131610
Ion Ratio Lower Upper
131 100
133 94.4 47.2 141.6
119 62.1 31.1 93.2

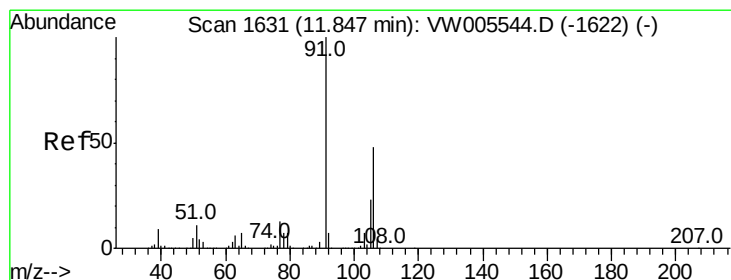
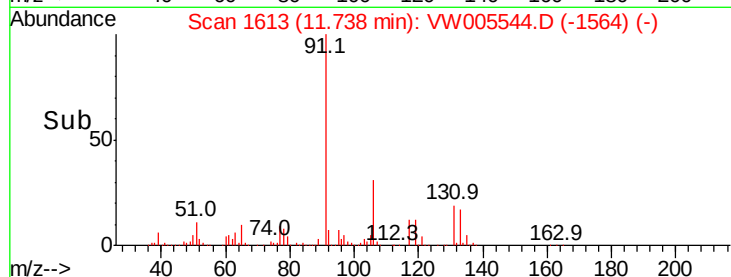
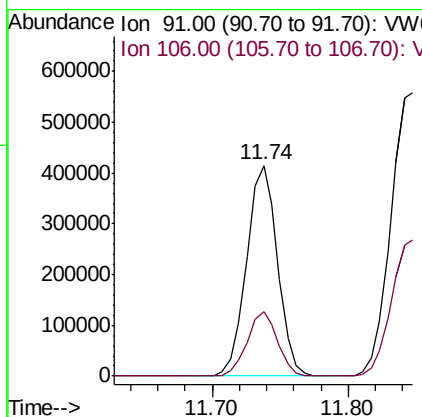
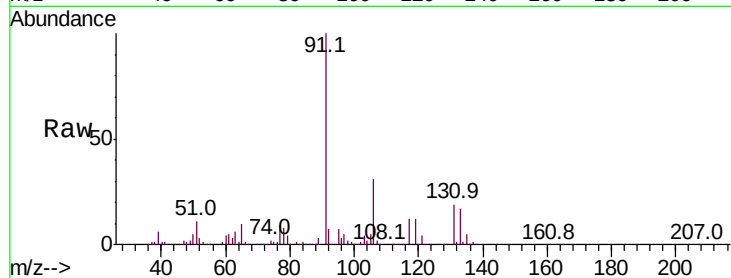




#67
Ethyl Benzene
Concen: 51.958 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

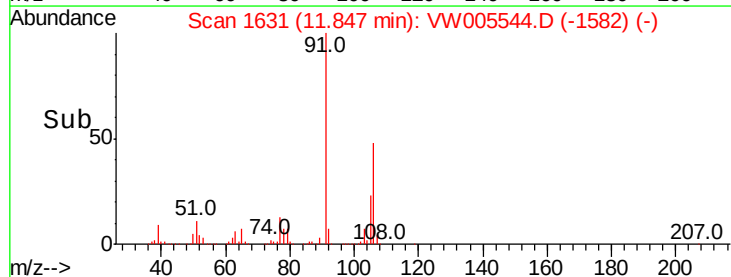
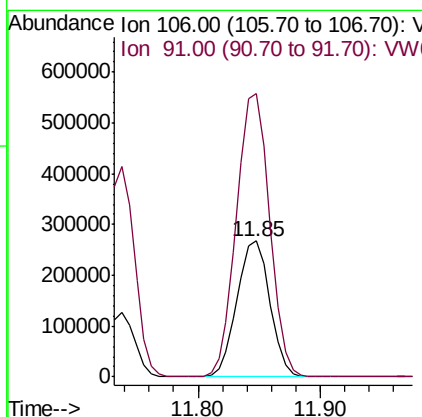
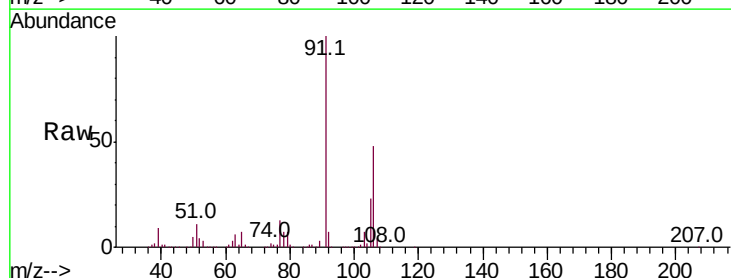
Instrument :
MSVOA_W
ClientSampleId :

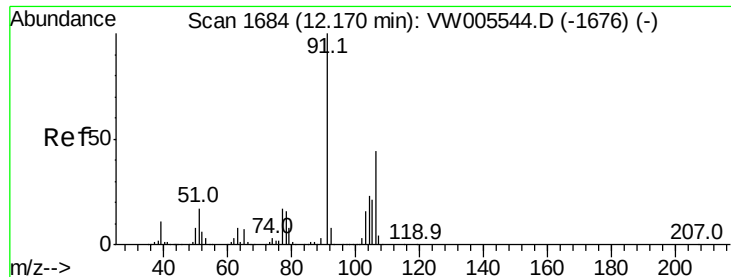
Tot Ion: 91 Resp: 658321
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6



#68
m/p-Xylenes
Concen: 103.063 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion: 106 Resp: 501440
Ion Ratio Lower Upper
106 100
91 209.8 167.8 251.8

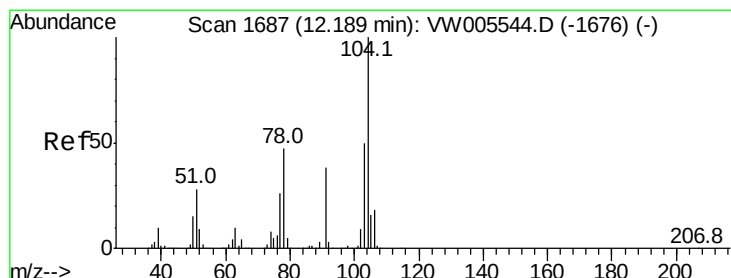
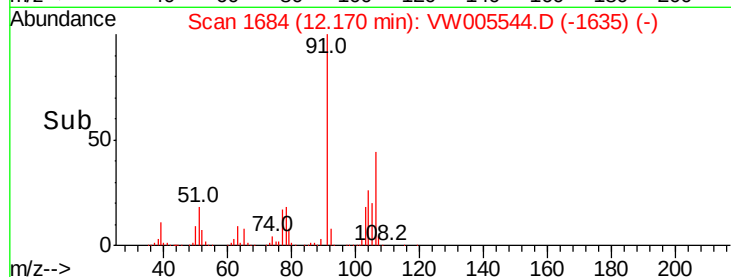
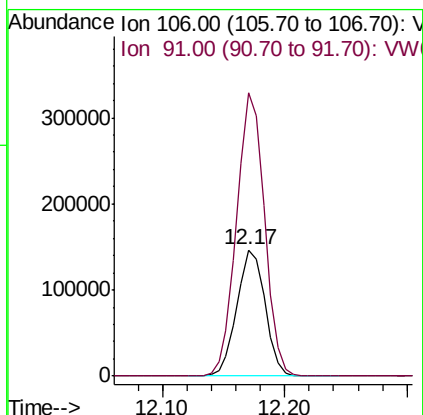
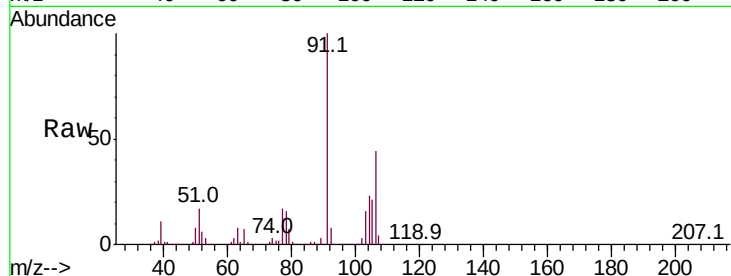




#69
o-Xylene
Concen: 51.764 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

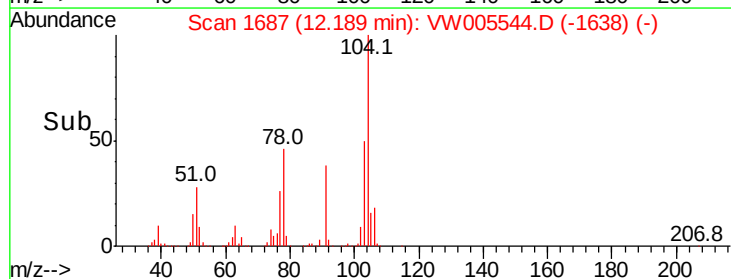
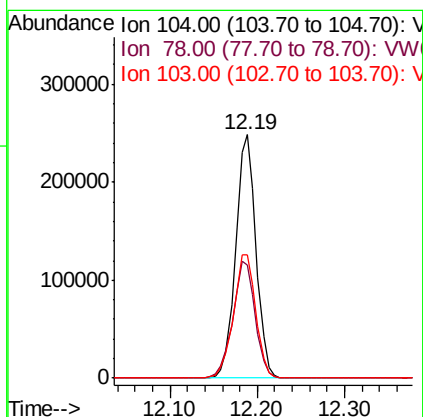
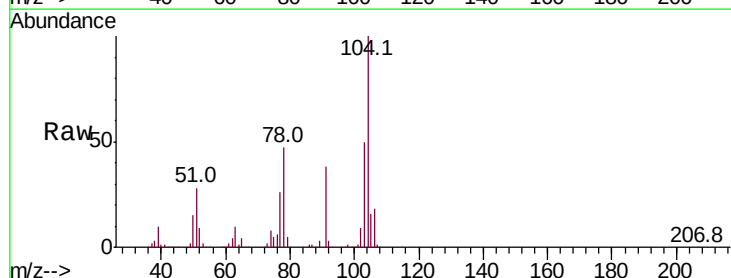
Instrument :
MSVOA_W
ClientSampled :

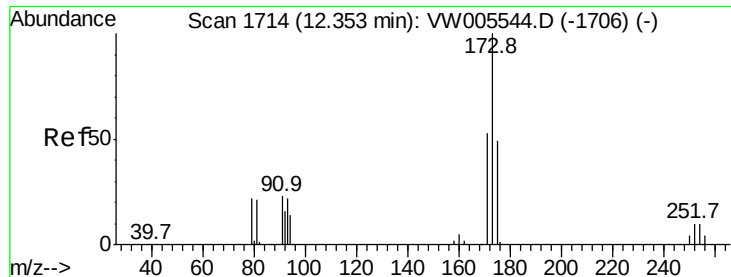
Tot Ion:106 Resp: 234457
Ion Ratio Lower Upper
106 100
91 222.0 111.0 333.0



#70
Styrene
Concen: 53.667 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion:104 Resp: 402751
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.4
103 55.7 44.6 66.8





#71

Bromoform

Concen: 55.887 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

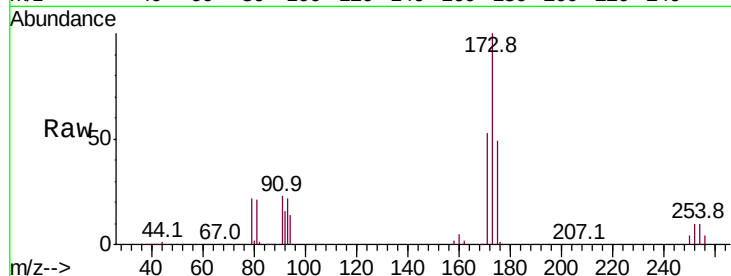
Tot Ion:173 Resp: 69501

Ion Ratio Lower Upper

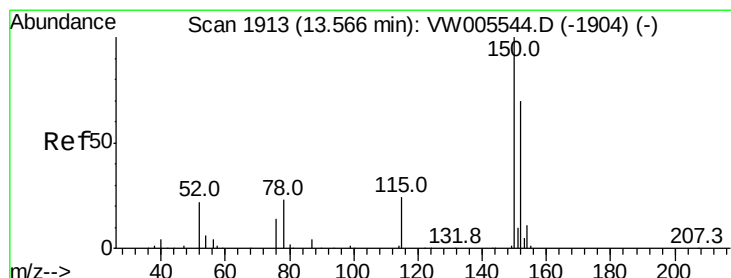
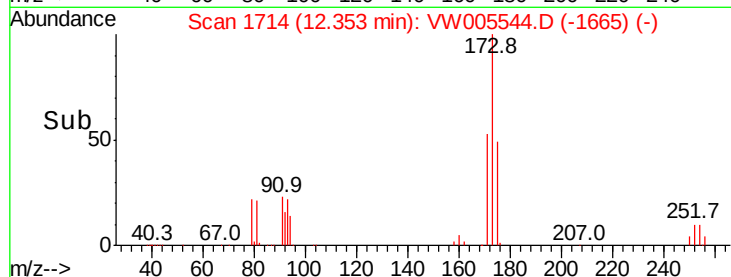
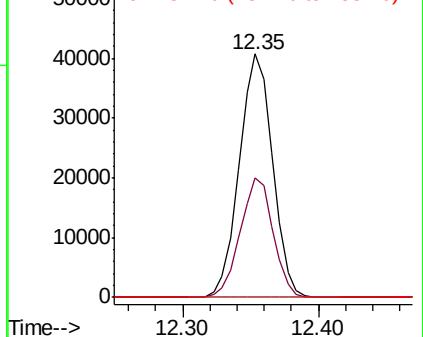
173 100

175 48.6 24.3 72.9

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: VW005544.D

Acq: 20 Sep 2018 21:54

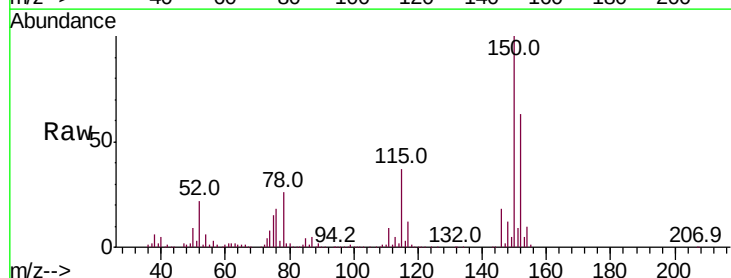
Tgt Ion:152 Resp: 183074

Ion Ratio Lower Upper

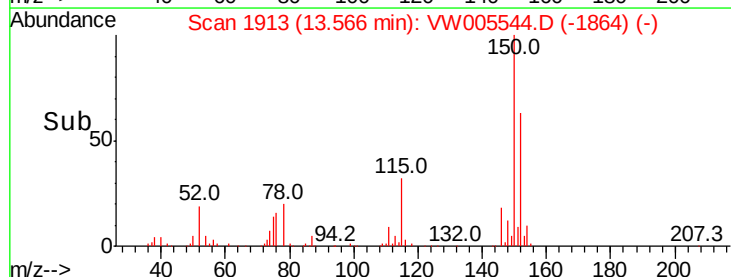
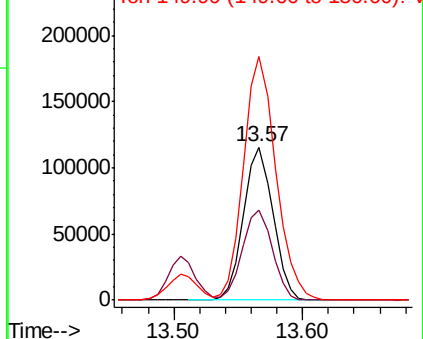
152 100

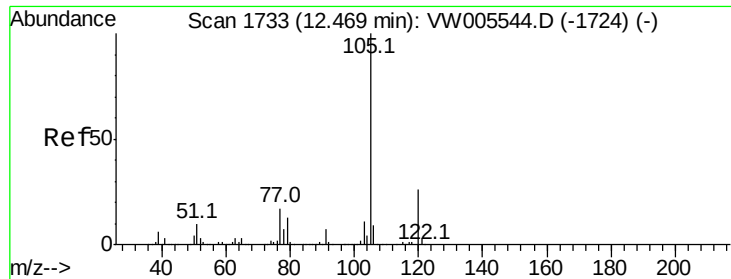
115 60.0 30.0 90.0

150 174.3 0.0 348.6



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





#73

Isopropylbenzene

Concen: 51.561 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

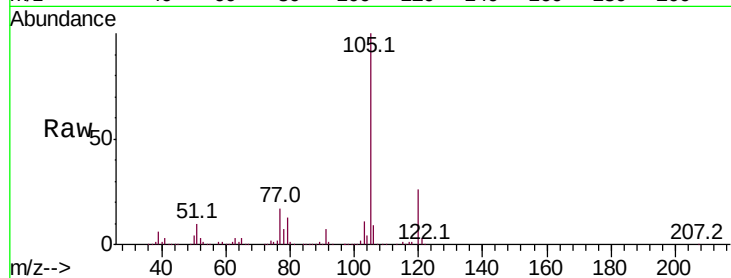
ClientSampleId :

Tot Ion:105 Resp: 665024

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

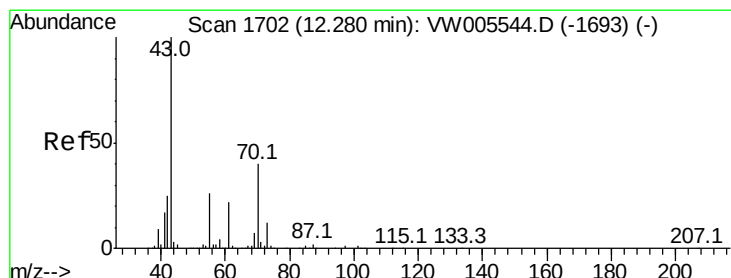
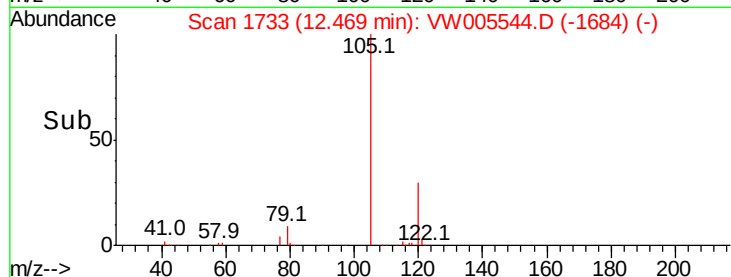
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 53.453 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Tgt Ion: 43 Resp: 146187

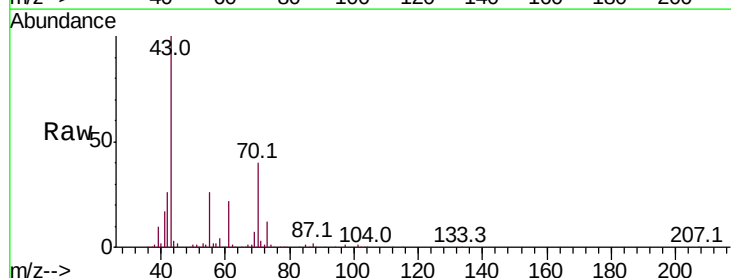
Ion Ratio Lower Upper

43 100

70 39.2 31.4 47.0

55 26.1 20.9 31.3

61 22.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.28

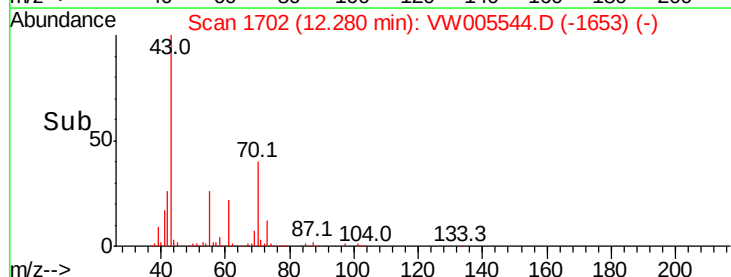
150000

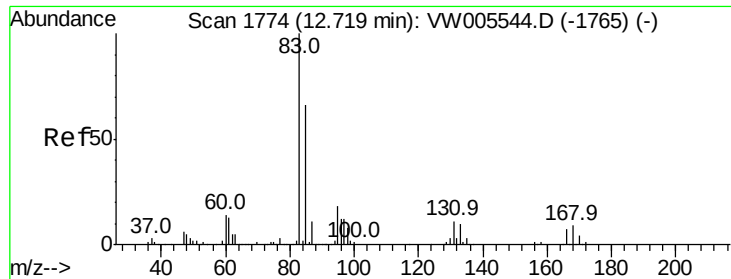
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.994 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

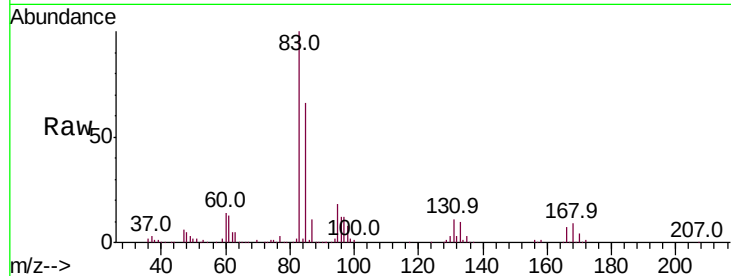
Tot Ion: 83 Resp: 105615

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.7
85	64.7	32.4	97.0

83 100

131 11.1 5.5 16.7

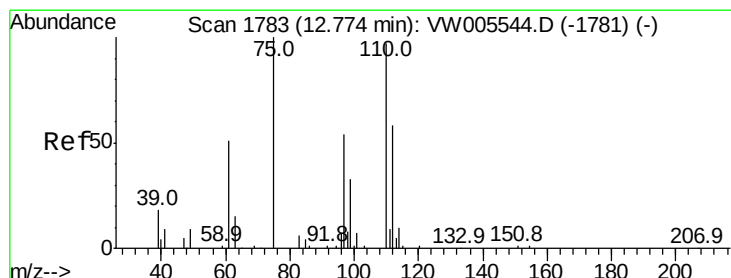
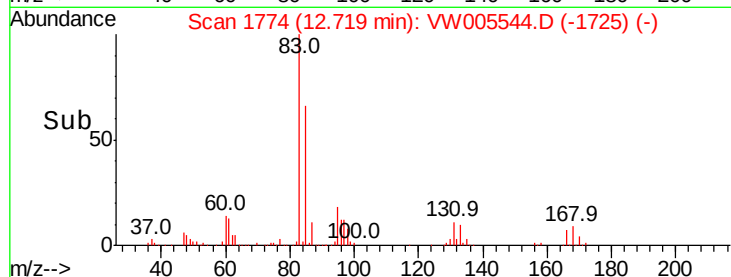
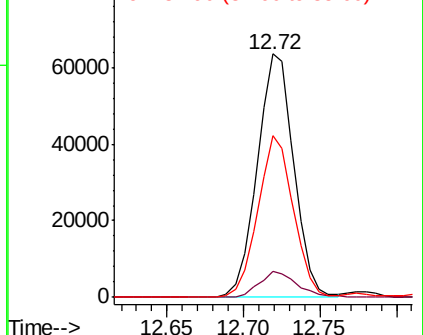
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 96.953 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005544.D

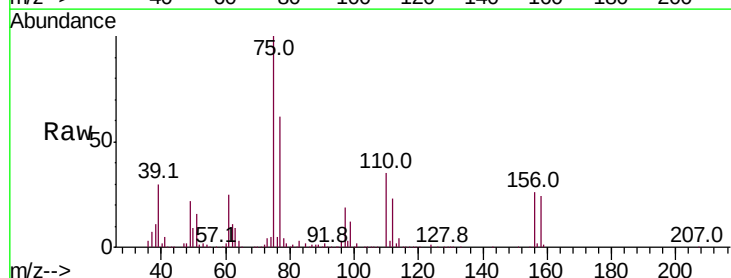
Acq: 20 Sep 2018 21:54

Tgt Ion: 75 Resp: 147931

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

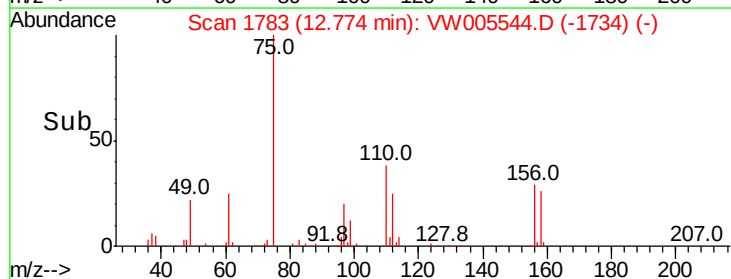
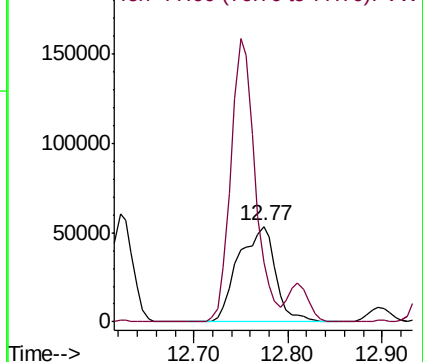
75 100

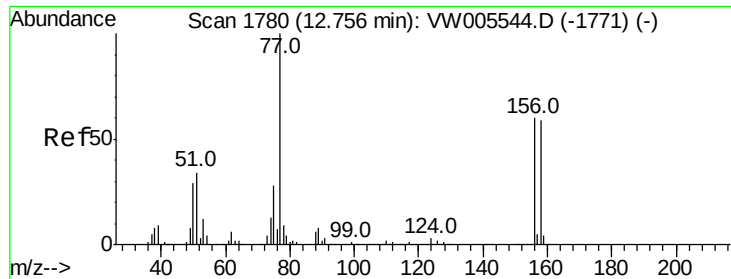
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.859 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampled :

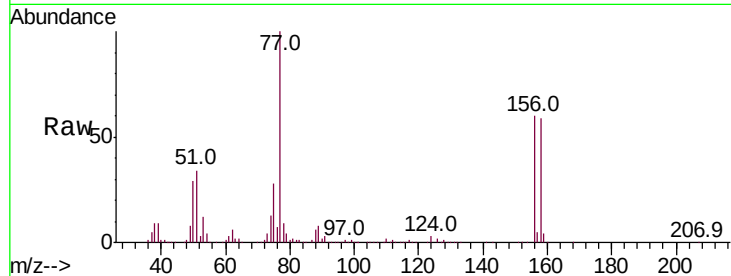
Tot Ion:156 Resp: 151555

Ion Ratio Lower Upper

156 100

77 189.4 94.7 284.1

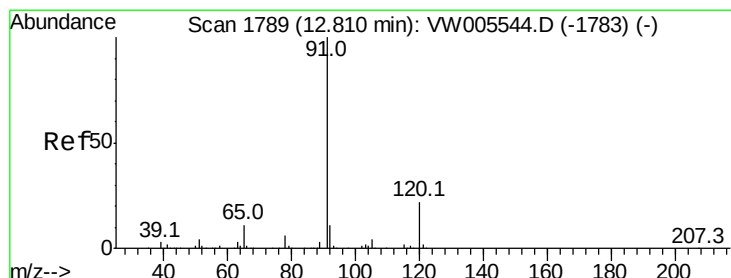
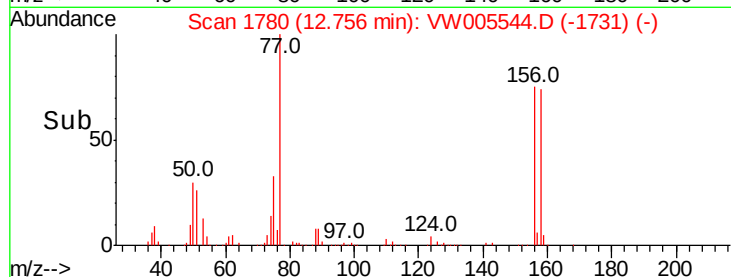
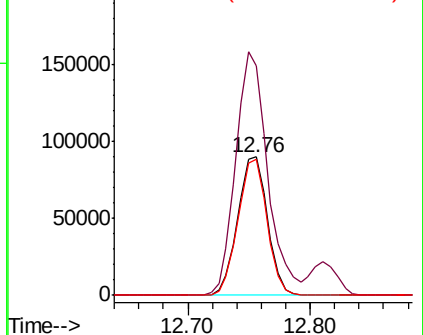
158 96.1 48.0 144.2



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: 51.943 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005544.D

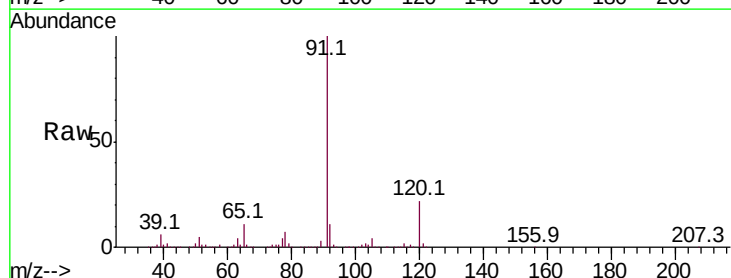
Acq: 20 Sep 2018 21:54

Tgt Ion: 91 Resp: 808227

Ion Ratio Lower Upper

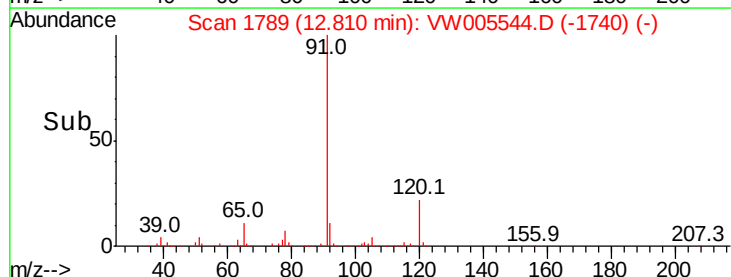
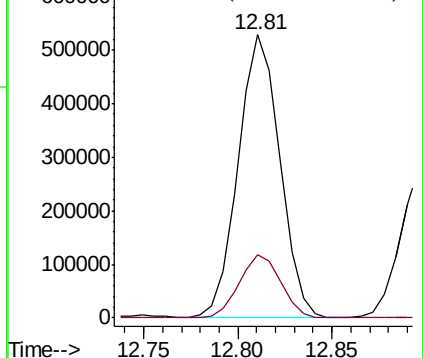
91 100

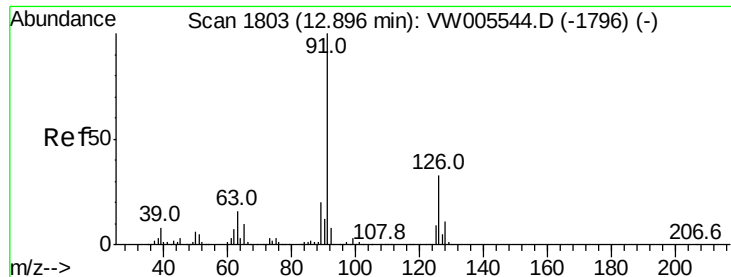
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.291 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

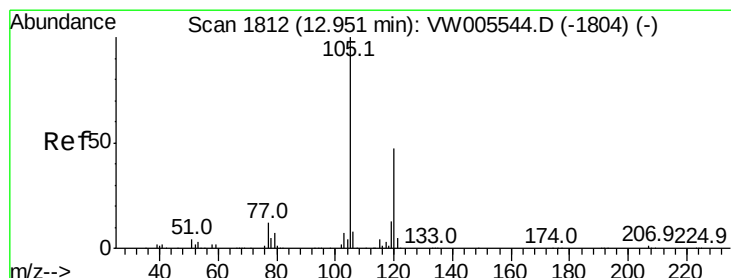
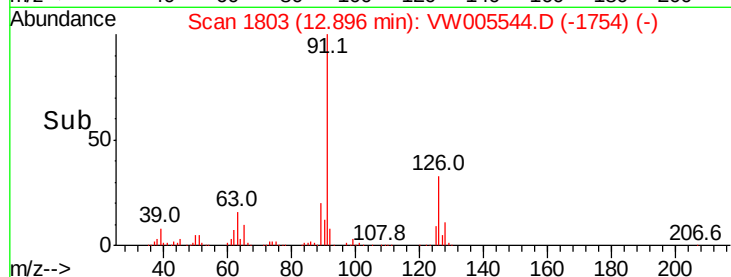
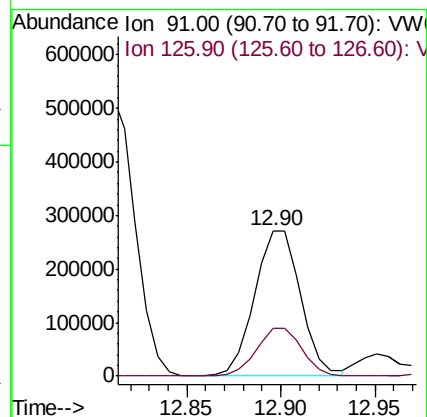
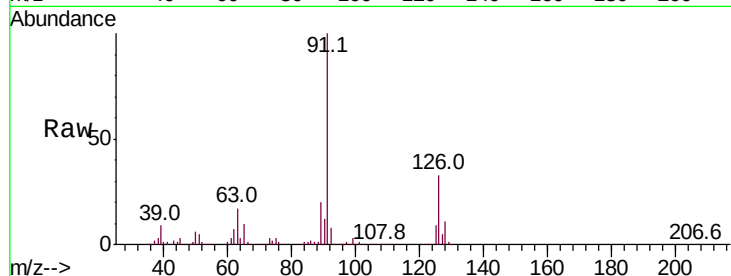
ClientSampleId :

Tot Ion: 91 Resp: 459980

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 52.120 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005544.D

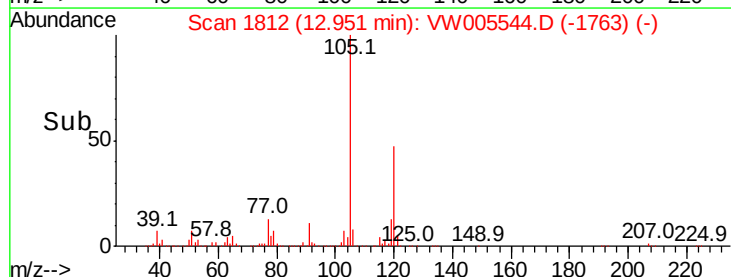
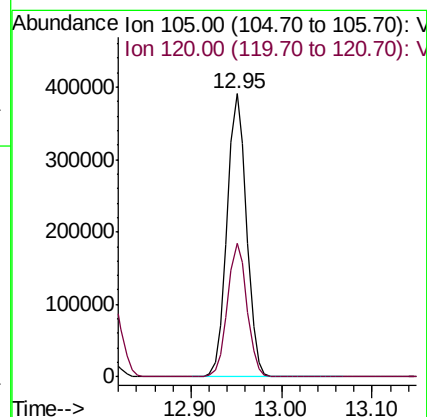
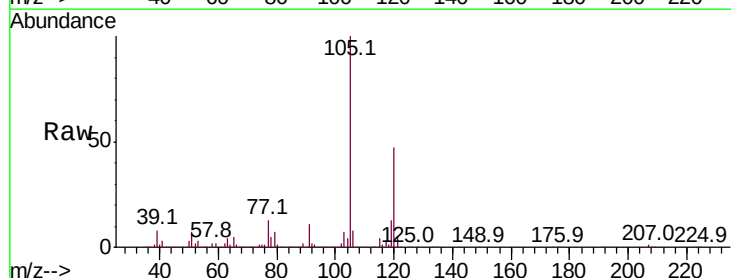
Acq: 20 Sep 2018 21:54

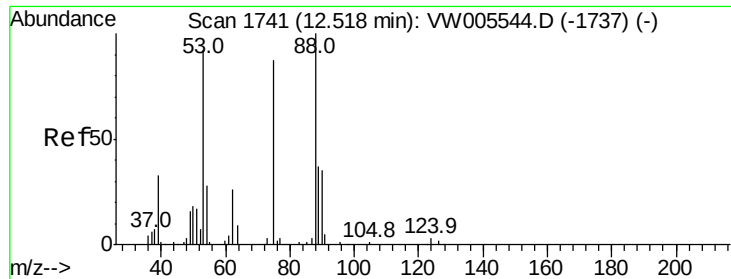
Tgt Ion:105 Resp: 584816

Ion Ratio Lower Upper

105 100

120 47.2 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 58.075 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

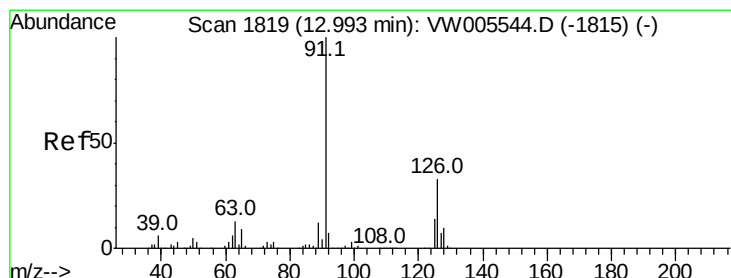
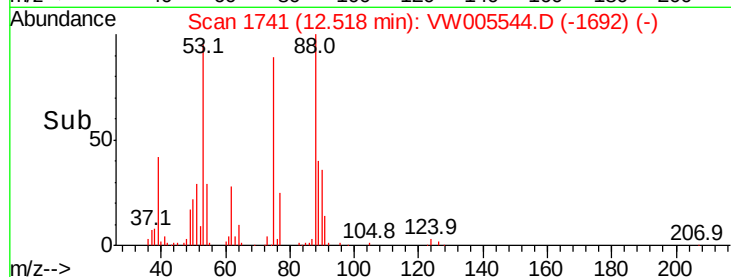
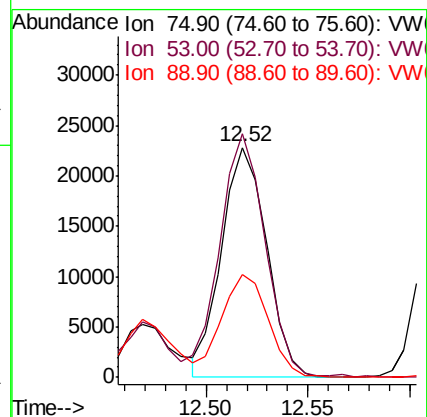
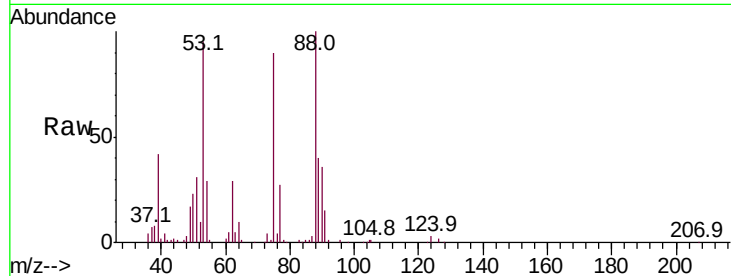
Tot Ion: 75 Resp: 34754

Ion Ratio Lower Upper

75 100

53 107.2 85.8 128.6

89 46.6 37.3 55.9



#82

4-Chlorotoluene

Concen: 50.551 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW005544.D

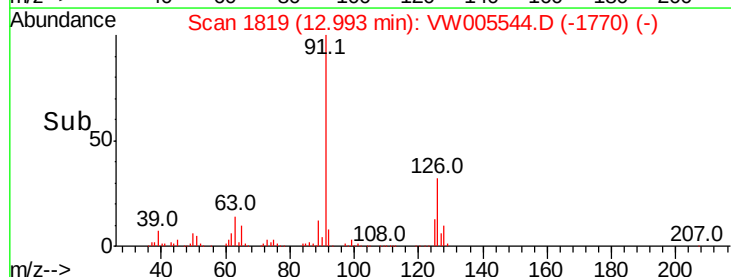
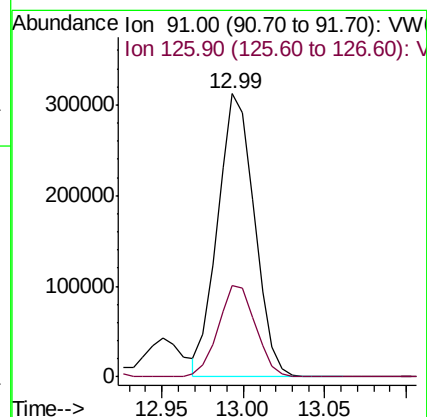
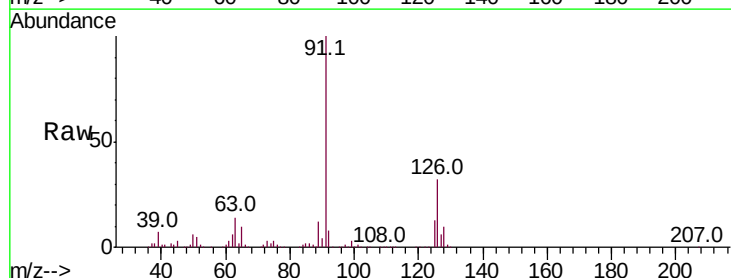
Acq: 20 Sep 2018 21:54

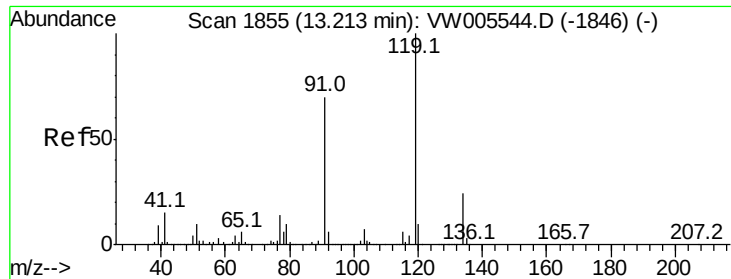
Tgt Ion: 91 Resp: 488460

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.4

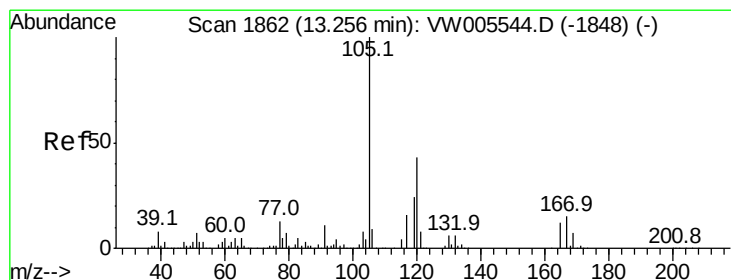
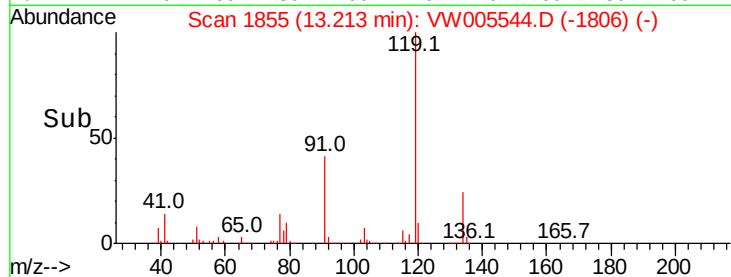
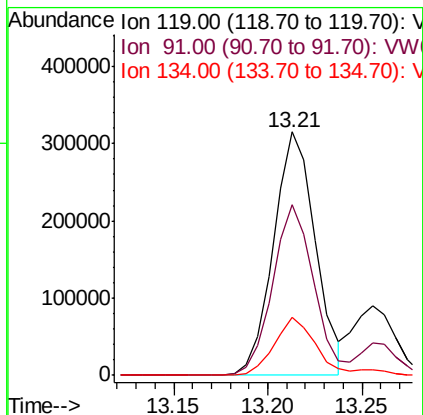
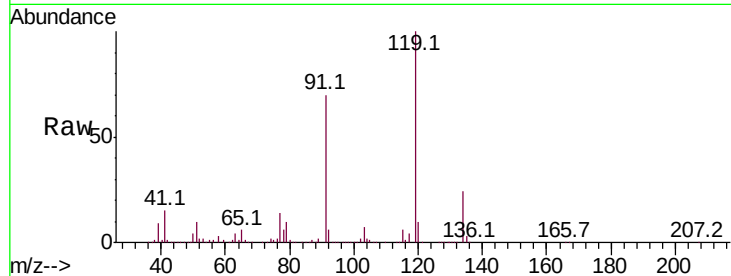




#83
 tert-Butylbenzene
 Concen: 52.184 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

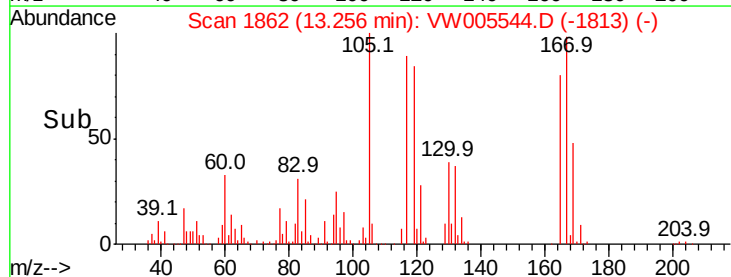
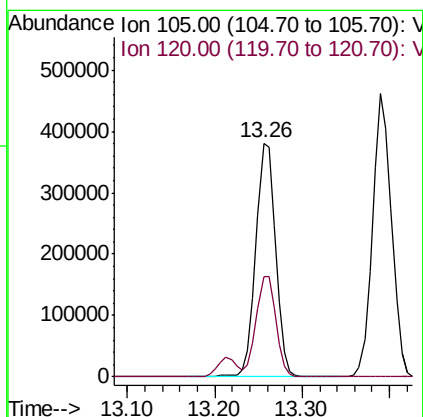
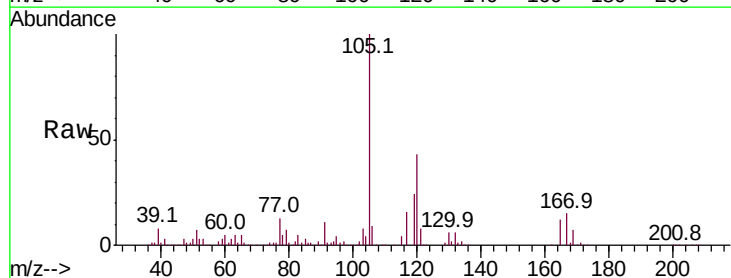
Instrument :
 MSVOA_W
 ClientSampleId :

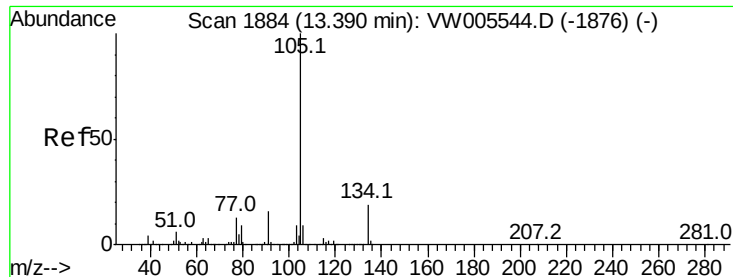
Tot Ion:119 Resp: 487019
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.6 103.8
 134 25.1 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.438 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion:105 Resp: 597922
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.5 64.5





#85

sec-Butylbenzene

Concen: 51.757 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

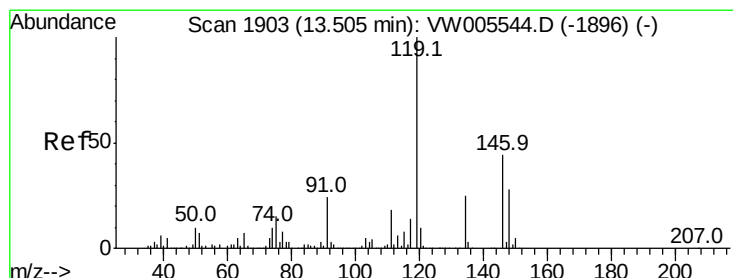
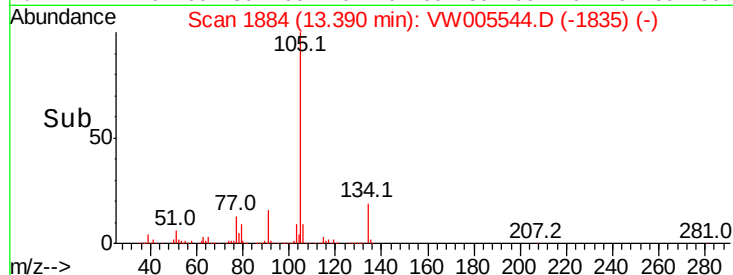
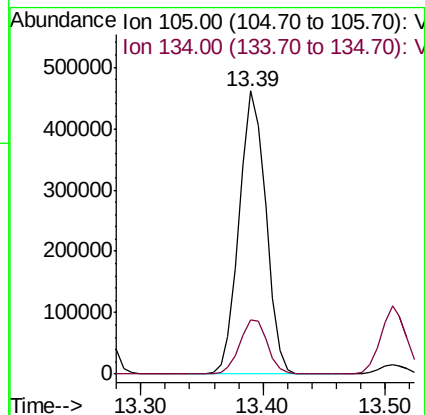
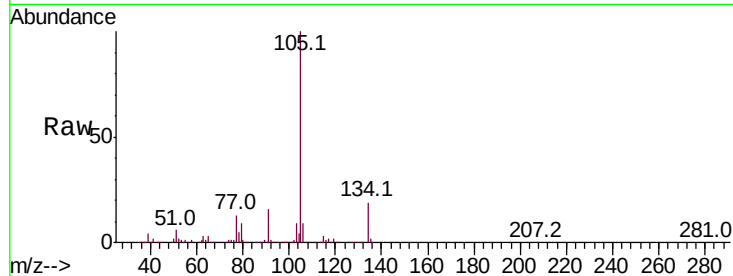
ClientSampled :

Tot Ion:105 Resp: 697998

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 52.666 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

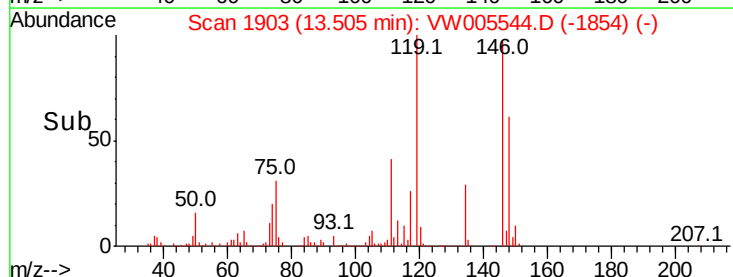
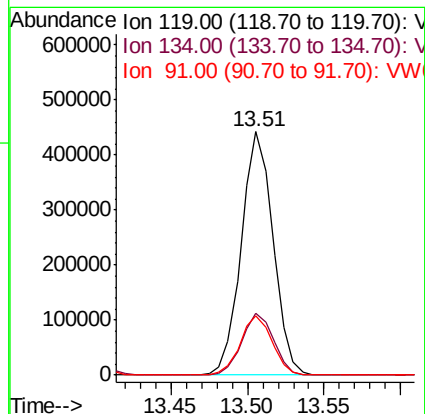
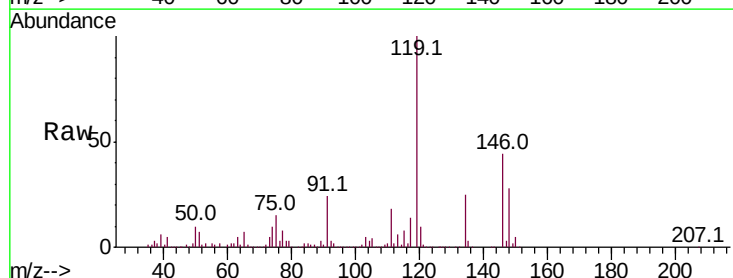
Tgt Ion:119 Resp: 635540

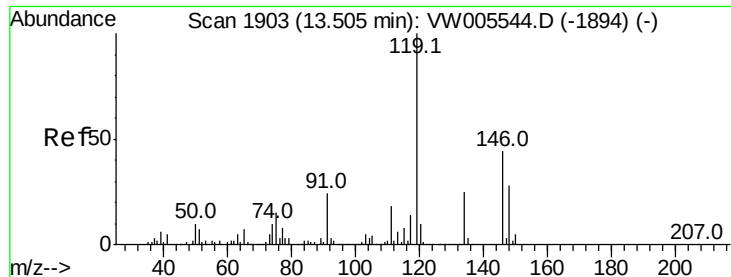
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.3 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 49.939 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampled :

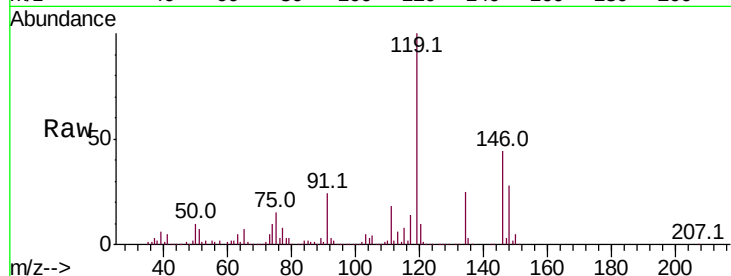
Tot Ion:146 Resp: 308263

Ion Ratio Lower Upper

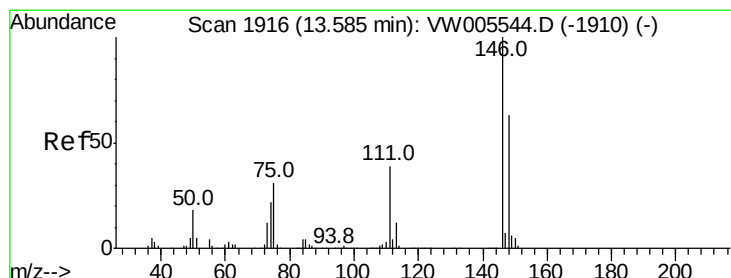
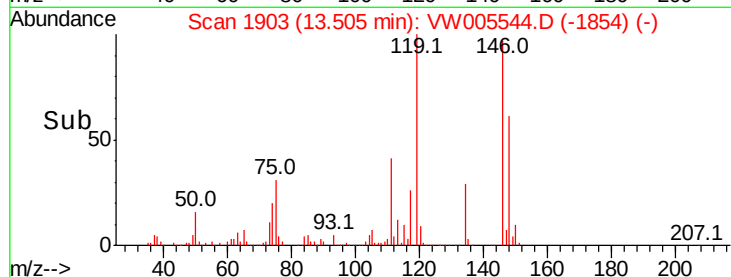
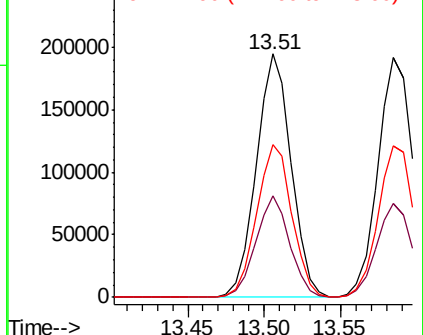
146 100

111 40.6 20.3 60.9

148 63.6 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 50.112 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

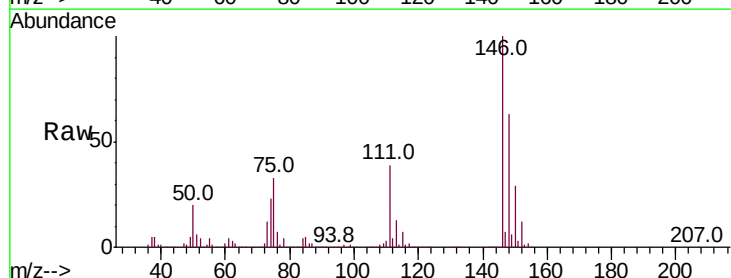
Tgt Ion:146 Resp: 304198

Ion Ratio Lower Upper

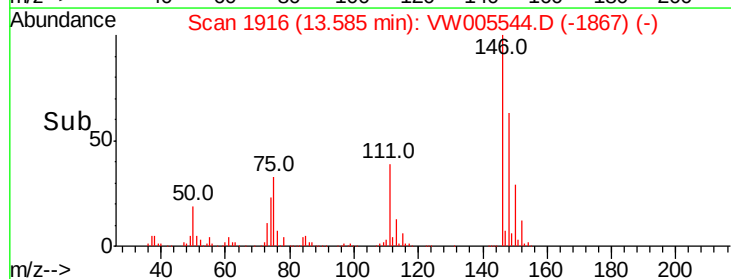
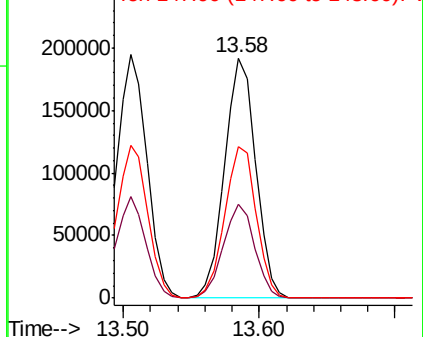
146 100

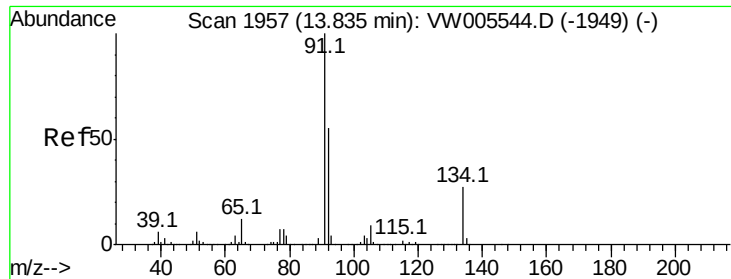
111 39.8 19.9 59.7

148 64.2 32.1 96.3



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





#89

n-Butylbenzene

Concen: 52.638 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW005544.D

Acq: 20 Sep 2018 21:54

Instrument :

MSVOA_W

ClientSampled :

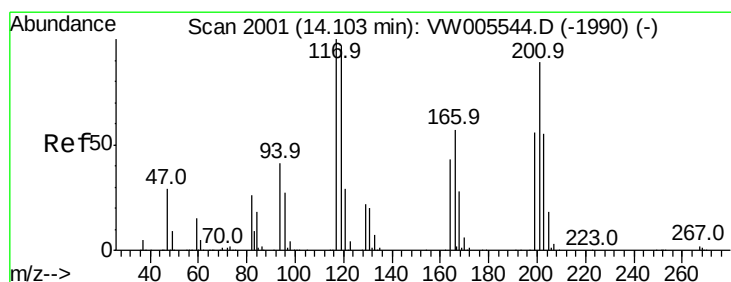
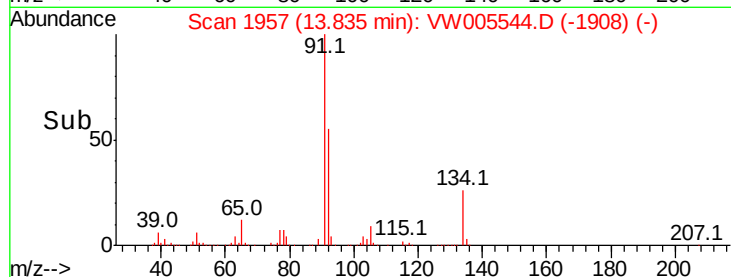
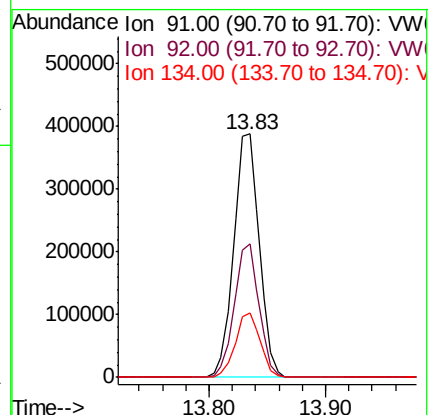
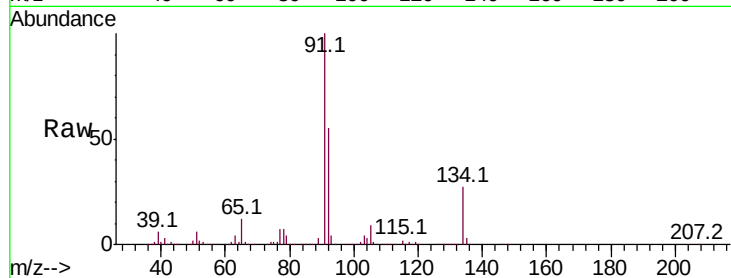
Tot Ion: 91 Resp: 590848

Ion Ratio Lower Upper

91 100

92 53.0 26.5 79.5

134 25.8 12.9 38.7



#90

Hexachloroethane

Concen: 53.085 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005544.D

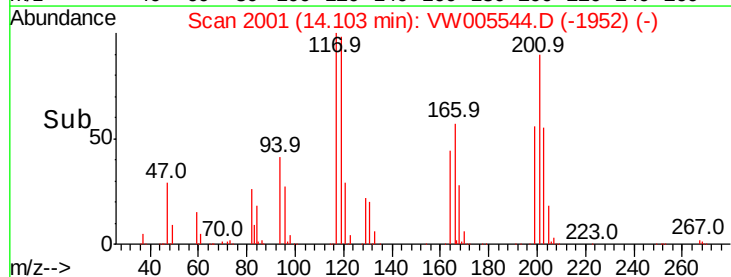
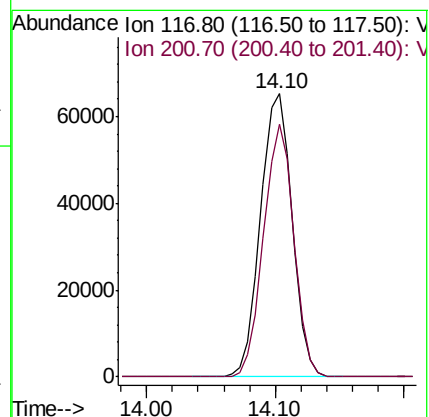
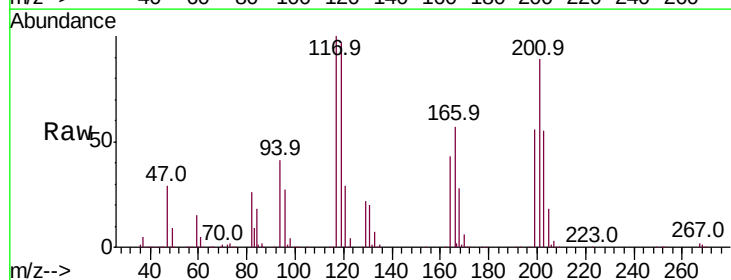
Acq: 20 Sep 2018 21:54

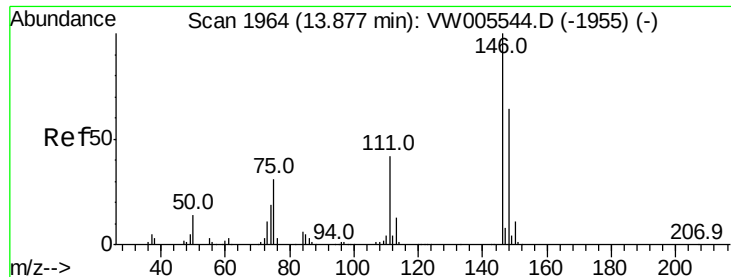
Tgt Ion: 117 Resp: 110648

Ion Ratio Lower Upper

117 100

201 85.5 42.8 128.3

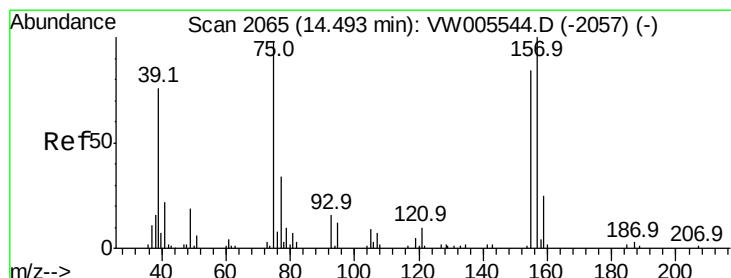
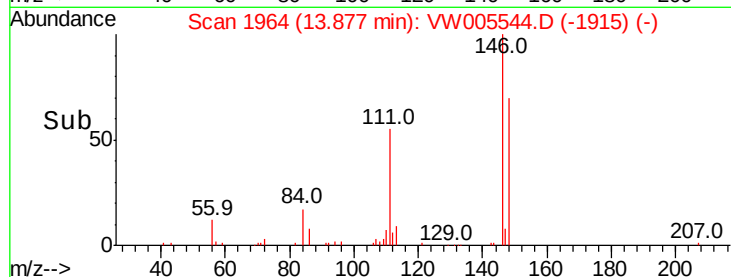
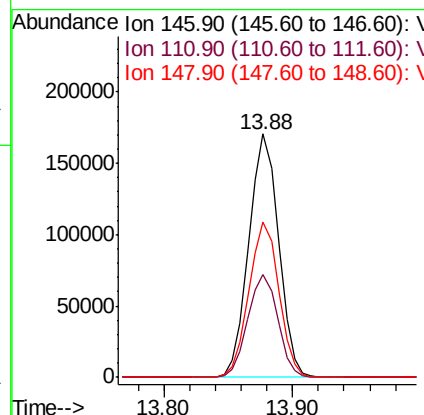
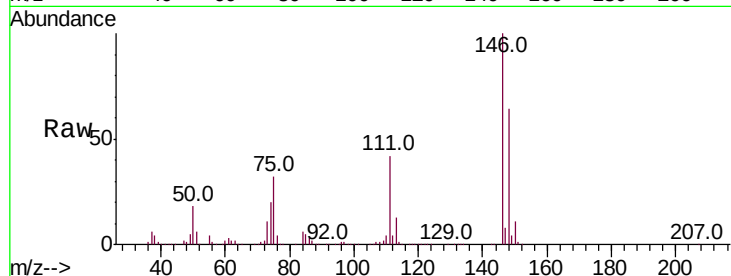




#91
 1,2-Dichlorobenzene
 Concen: 50.552 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

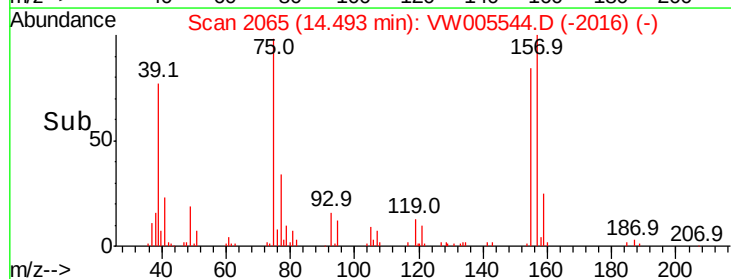
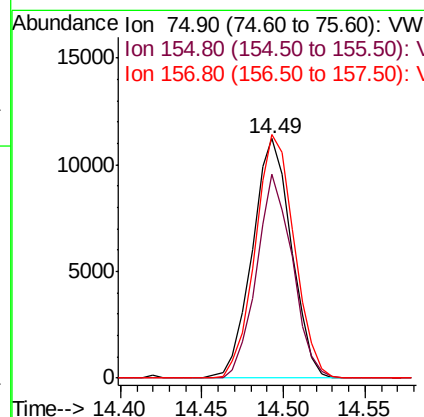
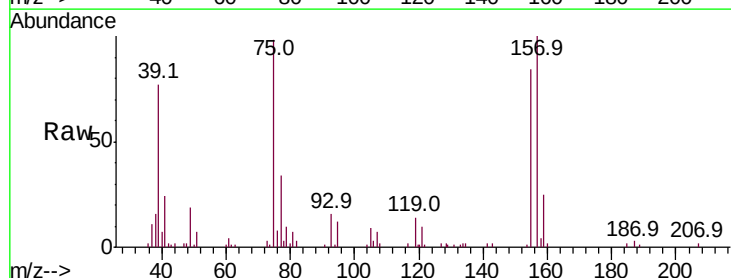
Instrument :
 MSVOA_W
 ClientSampleId :

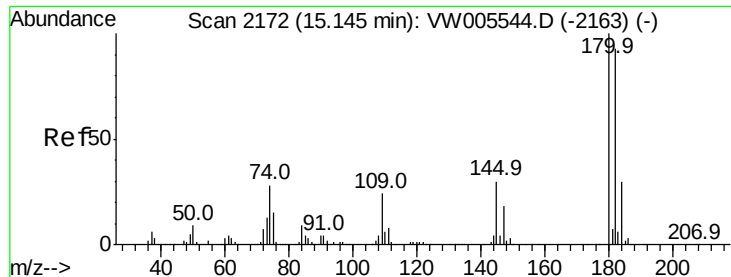
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	64.1	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.553 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	39.1	117.5
157	101.6	50.8	152.4

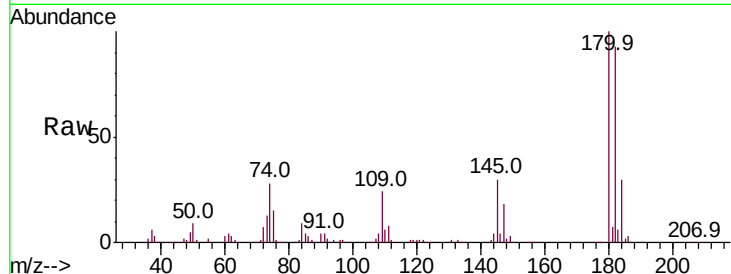




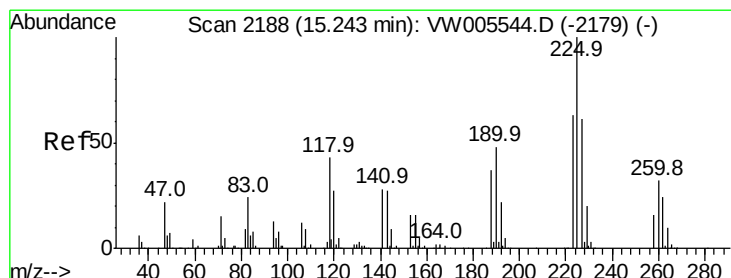
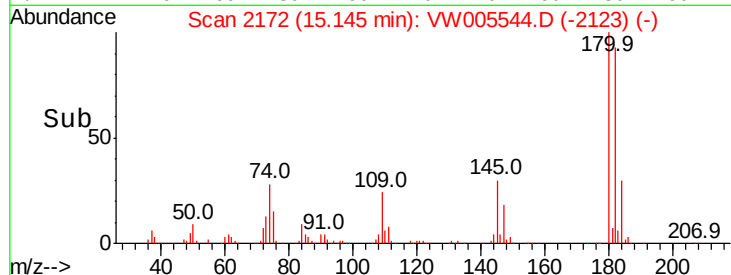
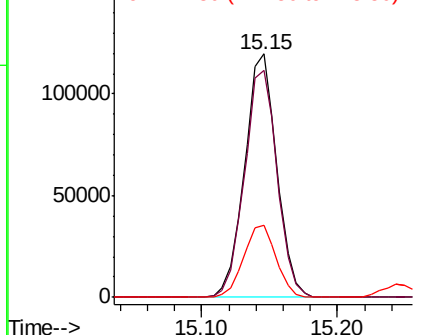
#93
 1,2,4-Trichlorobenzene
 Concen: 54.478 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	30.1	15.0	45.1

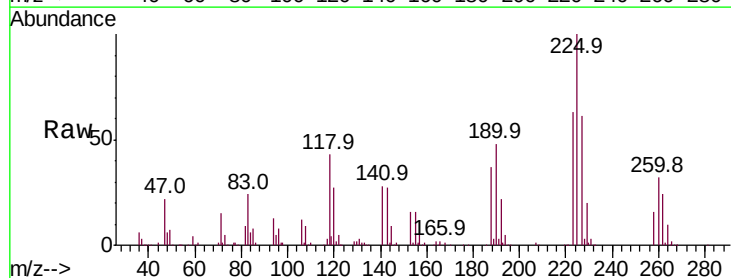


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

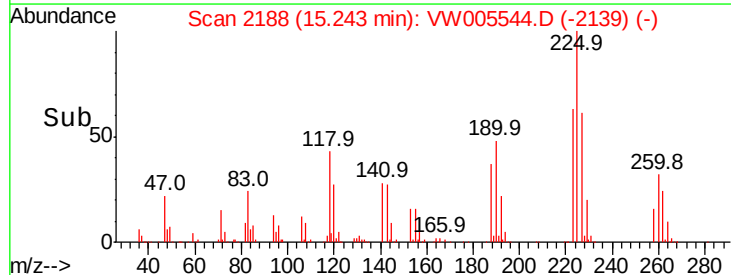
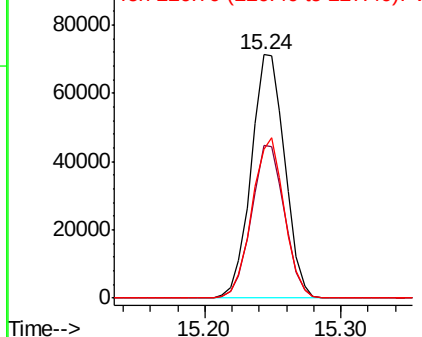


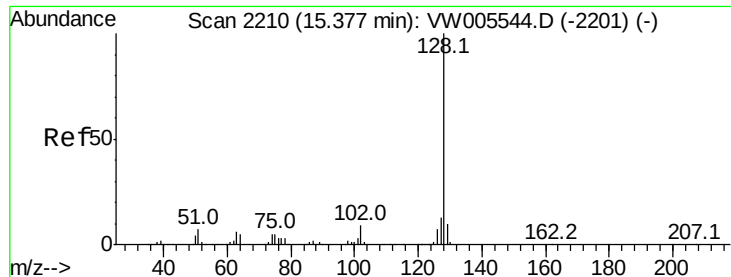
#94
 Hexachlorobutadiene
 Concen: 52.454 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005544.D
 Acq: 20 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	63.5	31.8	95.3



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

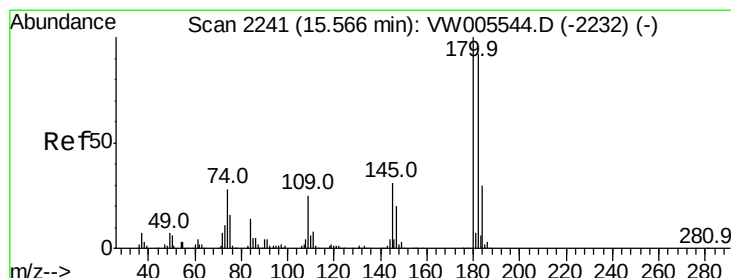
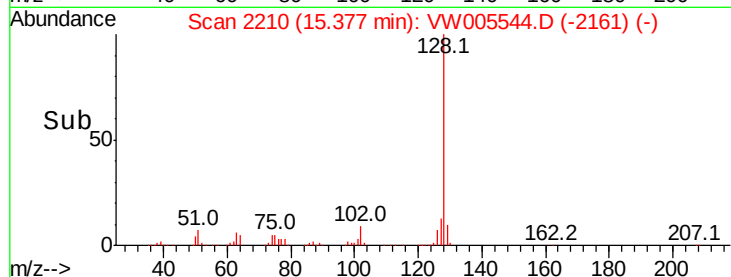
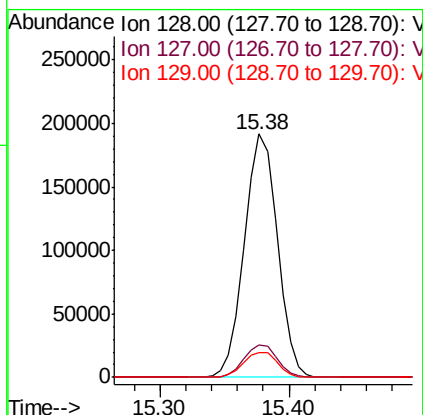
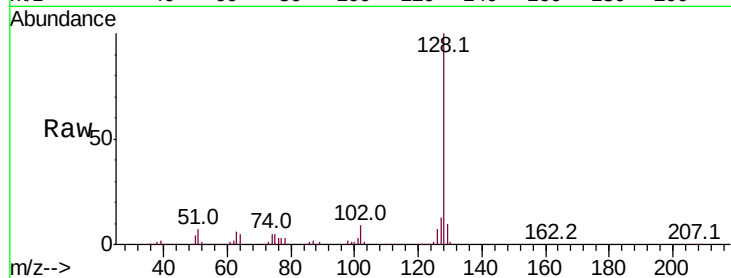




#95
Naphthalene
Concen: 55.999 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	10.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.851 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005544.D
Acq: 20 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	31.9	16.0	47.9

