

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
 Data File : VW005542.D
 Acq On : 20 Sep 2018 21:02
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:39:22 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	7.96	168	218191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	335215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	171212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	27231	11.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.26%	
35) Dibromofluoromethane	7.88	113	22327	11.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.02%	
50) Toluene-d8	10.33	98	88221	10.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.38%	
62) 4-Bromofluorobenzene	12.62	95	33082	10.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.90%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	16656	8.291	ug/l	88
3) Chloromethane	2.21	50	19271	7.884	ug/l	97
4) Vinyl Chloride	2.37	62	22912	9.669	ug/l	99
5) Bromomethane	2.78	94	14515	8.342	ug/l	98
6) Chloroethane	2.93	64	14340	10.156	ug/l	93
7) Trichlorofluoromethane	3.26	101	17150	5.776	ug/l	97
8) Diethyl Ether	3.68	74	11181	11.475	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21839	11.445	ug/l	99
10) Methyl Iodide	4.27	142	33106	15.704	ug/l	99
11) Tert butyl alcohol	5.16	59	4175	25.960	ug/l #	78
12) 1,1-Dichloroethene	4.03	96	20978	12.023	ug/l	89
13) Acrolein	3.89	56	6379	60.383	ug/l	99
14) Allyl chloride	4.67	41	35345	10.986	ug/l	100
15) Acrylonitrile	5.37	53	25182	56.998	ug/l	98
16) Acetone	4.12	43	26817	70.424	ug/l	98
17) Carbon Disulfide	4.38	76	65245	10.844	ug/l	98
18) Methyl Acetate	4.67	43	12446	11.223	ug/l #	75
19) Methyl tert-butyl Ether	5.43	73	31845	7.316	ug/l	97
20) Methylene Chloride	4.92	84	28909	10.628	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	22572	10.916	ug/l	97
22) Diisopropyl ether	6.32	45	67150	10.675	ug/l	98
23) Vinyl Acetate	6.26	43	189265	52.667	ug/l	99
24) 1,1-Dichloroethane	6.21	63	43024	11.186	ug/l	95
25) 2-Butanone	7.17	43	34121	61.468	ug/l	97
26) 2,2-Dichloropropane	7.17	77	32135	9.753	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	24351	10.822	ug/l	96
28) Bromochloromethane	7.52	49	18309	12.229	ug/l	98
29) Tetrahydrofuran	7.53	42	20350	57.356	ug/l	99
30) Chloroform	7.68	83	44408	11.123	ug/l	96
31) Cyclohexane	7.96	56	43017	11.714	ug/l #	92
32) 1,1,1-Trichloroethane	7.88	97	40354	11.066	ug/l	99
36) 1,1-Dichloropropene	8.09	75	34553	10.715	ug/l	98
37) Ethyl Acetate	7.26	43	14420	10.910	ug/l	97
38) Carbon Tetrachloride	8.07	117	37449	11.072	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	38979	10.425	ug/l	93
40) Benzene	8.33	78	98714	10.626	ug/l	98
41) Methacrylonitrile	7.49	41	8410	10.623	ug/l	98
42) 1,2-Dichloroethane	8.40	62	31654	10.784	ug/l	98
43) Isopropyl Acetate	8.43	43	28928	11.283	ug/l	100
44) Trichloroethene	9.10	130	25234	10.551	ug/l	94
45) 1,2-Dichloropropane	9.37	63	23801	10.642	ug/l	99
46) Dibromomethane	9.46	93	12116	10.962	ug/l	98
47) Bromodichloromethane	9.65	83	31969	10.707	ug/l	98
48) Methyl methacrylate	9.44	41	12381	9.763	ug/l	98
49) 1,4-Dioxane	9.45	88	3817	212.438	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	72179	55.042	ug/l	97
52) Toluene	10.40	92	60031	9.685	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	30918	10.342	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	34315	10.142	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	17420	10.672	ug/l	97
56) Ethyl methacrylate	10.65	69	19380	9.485	ug/l	98
57) 1,3-Dichloropropane	10.93	76	30364	10.799	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	45900	49.393	ug/l	98
59) 2-Hexanone	10.98	43	46533	52.290	ug/l	97
60) Dibromochloromethane	11.13	129	19966	10.182	ug/l	96
61) 1,2-Dibromoethane	11.24	107	16065	10.937	ug/l	95
64) Tetrachloroethene	10.87	164	22654	9.806	ug/l	91
65) Chlorobenzene	11.66	112	67586	10.079	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.74	131	23911	10.910	ug/l	99
67) Ethyl Benzene	11.74	91	113422	9.615	ug/l	93
68) m/p-Xylenes	11.85	106	87817	19.387	ug/l	98
69) o-Xylene	12.17	106	40206	9.535	ug/l	99
70) Styrene	12.19	104	66213	9.477	ug/l	99
71) Bromoform	12.35	173	12429	10.735	ug/l #	99
73) Isopropylbenzene	12.47	105	113668	9.424	ug/l	99
74) N-amyl acetate	12.28	43	25711	10.053	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	19882	11.070	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	28110	19.699	ug/l #	100
77) Bromobenzene	12.76	156	27727	9.754	ug/l	99
78) n-propylbenzene	12.81	91	140549	9.659	ug/l	99
79) 2-Chlorotoluene	12.90	91	82134	9.602	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	101818	9.703	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	6276	11.214	ug/l	97
82) 4-Chlorotoluene	13.00	91	86827	9.608	ug/l	99
83) tert-Butylbenzene	13.21	119	82891	9.497	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	101770	9.544	ug/l	99
85) sec-Butylbenzene	13.39	105	124081	9.838	ug/l	100
86) p-Isopropyltoluene	13.51	119	110771	9.815	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	58273	10.094	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	57751	10.173	ug/l	98
89) n-Butylbenzene	13.83	91	103200	9.831	ug/l	97
90) Hexachloroethane	14.10	117	20094	10.308	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	49994	9.927	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3767	11.060	ug/l	97

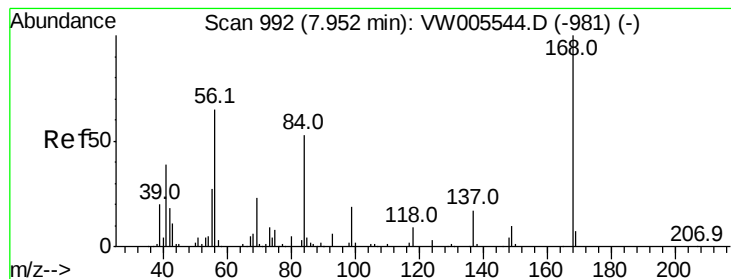
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	34670	10.238	ug/l	98
94) Hexachlorobutadiene	15.25	225	24144	10.973	ug/l	99
95) Naphthalene	15.38	128	55615	9.803	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	30737	10.360	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

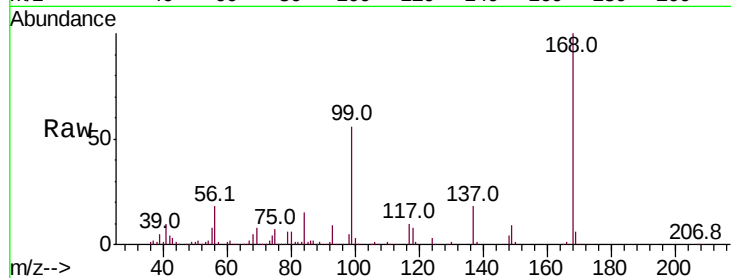
ClientSampleId :

Tot Ion:168 Resp: 218191

Ion Ratio Lower Upper

168 100

99 56.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

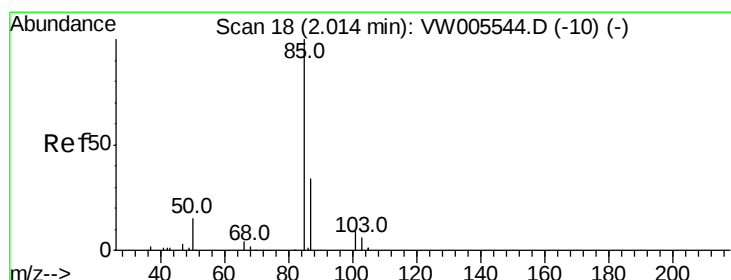
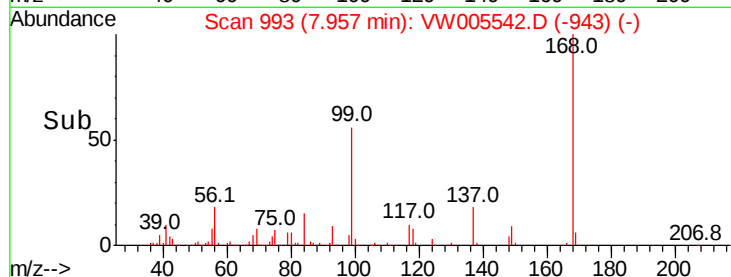
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 8.291 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005542.D

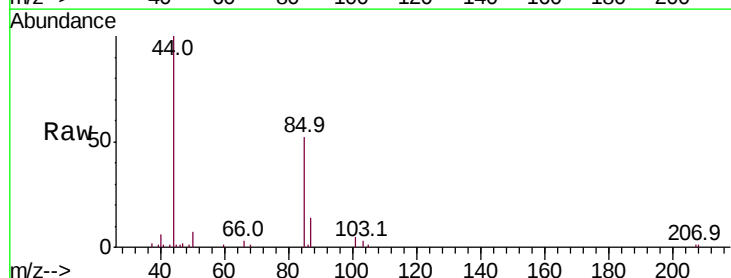
Acq: 20 Sep 2018 21:02

Tgt Ion: 85 Resp: 16656

Ion Ratio Lower Upper

85 100

87 27.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

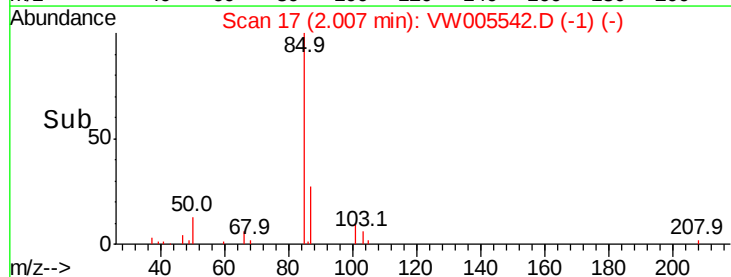
3000

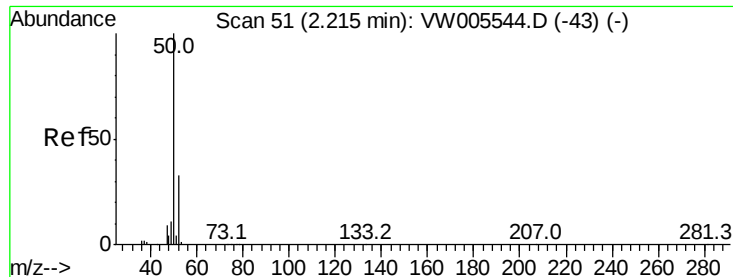
2000

1000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 7.884 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

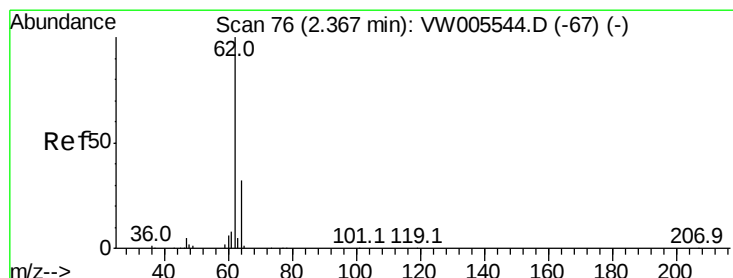
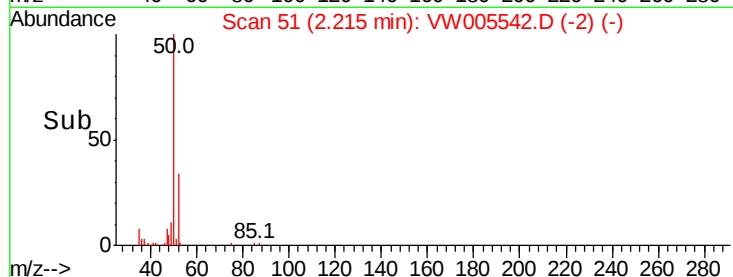
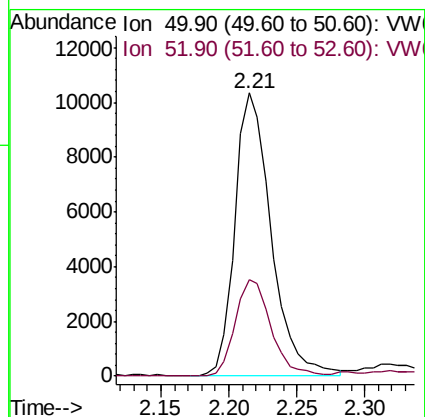
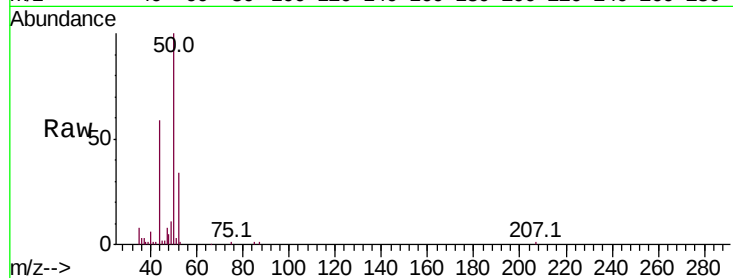
ClientSampled :

Tot Ion: 50 Resp: 19271

Ion Ratio Lower Upper

50 100

52 34.3 26.2 39.4



#4

Vinyl Chloride

Concen: 9.669 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005542.D

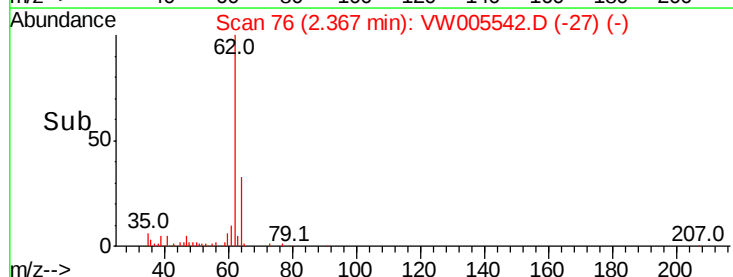
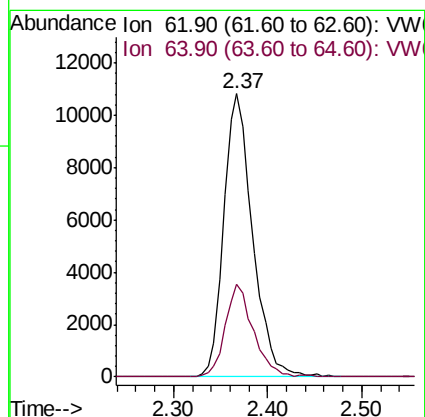
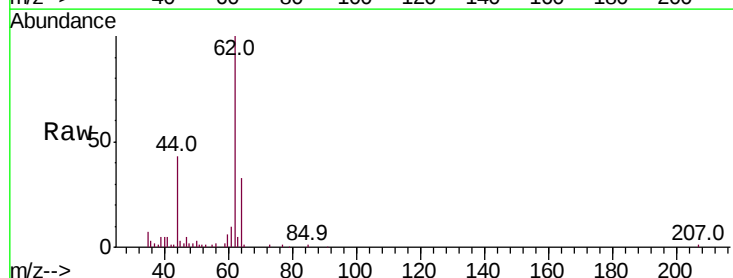
Acq: 20 Sep 2018 21:02

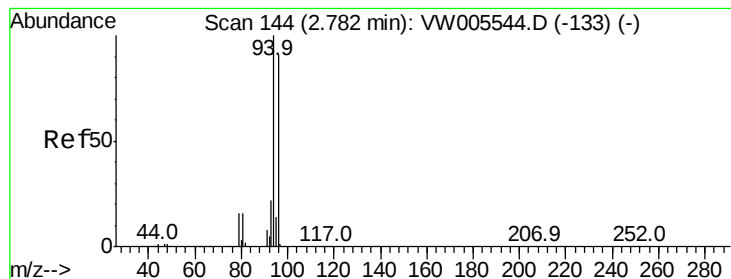
Tgt Ion: 62 Resp: 22912

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 8.342 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

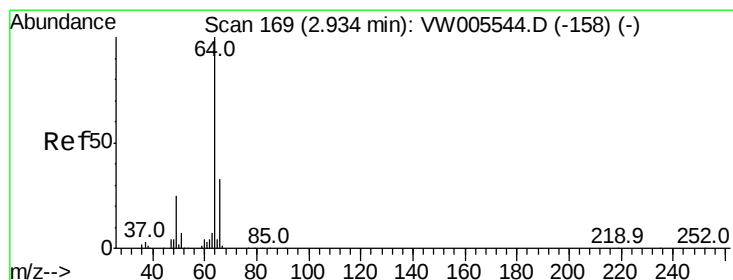
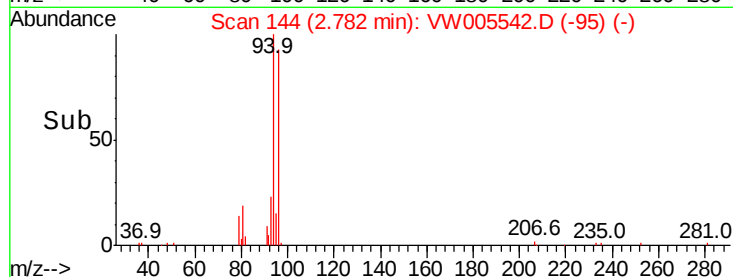
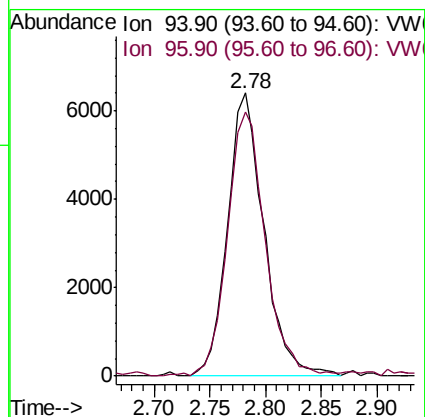
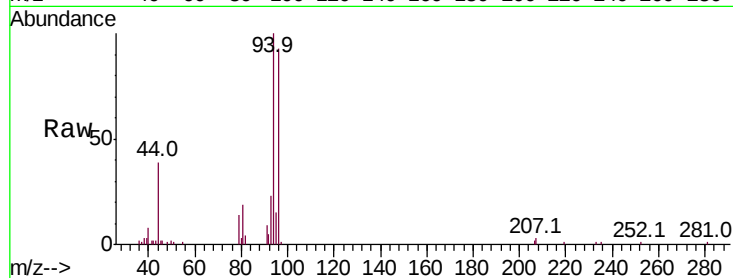
ClientSampled :

Tot Ion: 94 Resp: 14515

Ion Ratio Lower Upper

94 100

96 93.4 73.1 109.7



#6

Chloroethane

Concen: 10.156 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005542.D

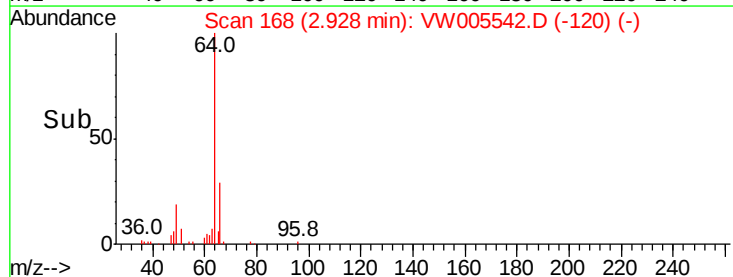
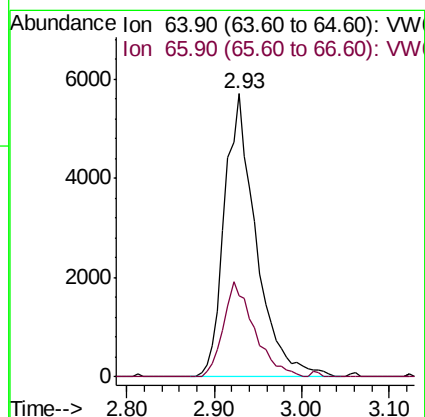
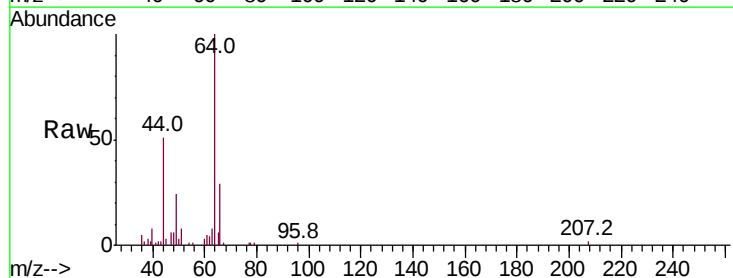
Acq: 20 Sep 2018 21:02

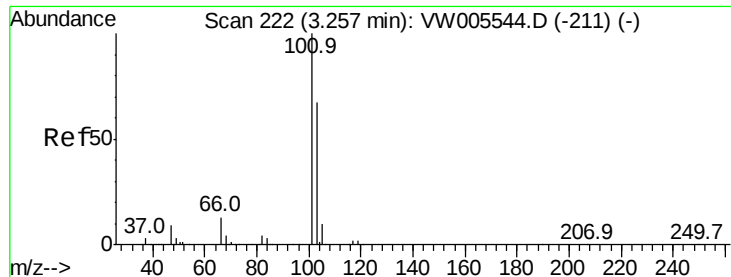
Tgt Ion: 64 Resp: 14340

Ion Ratio Lower Upper

64 100

66 28.6 26.0 39.0



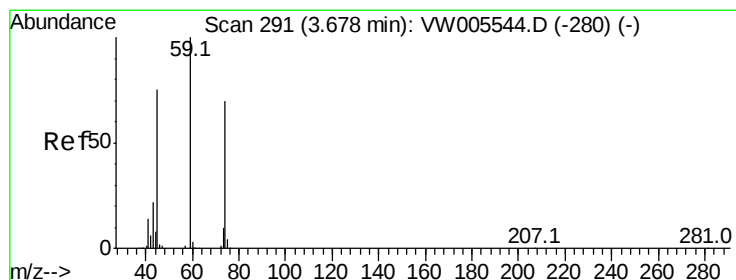
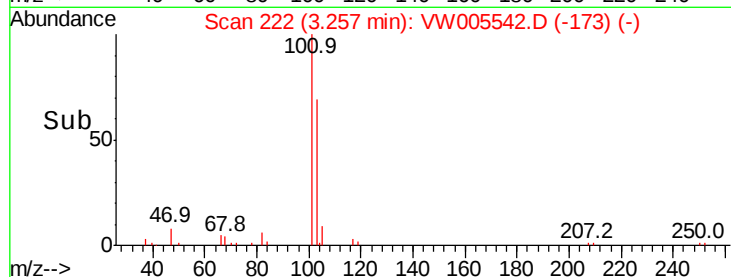
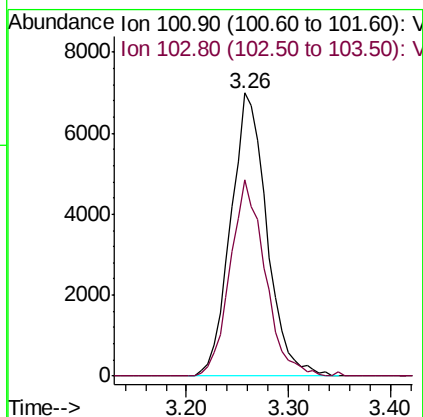
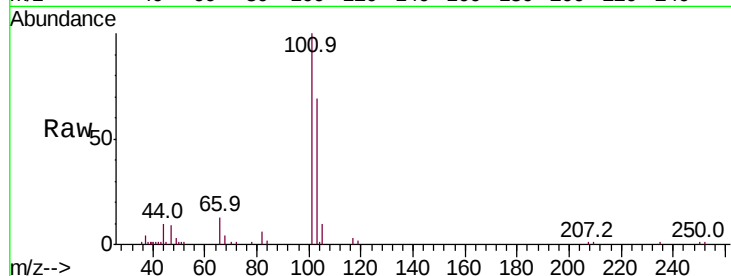


#7

Trichlorofluoromethane
Concen: 5.776 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Instrument :
MSVOA_W
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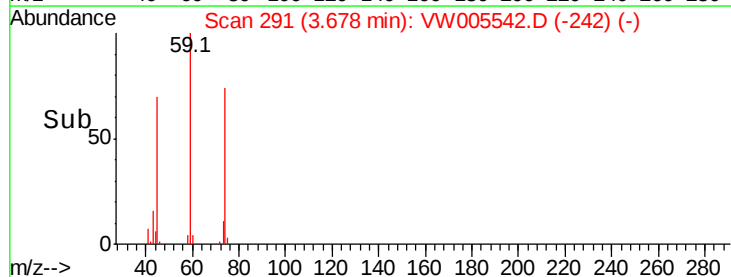
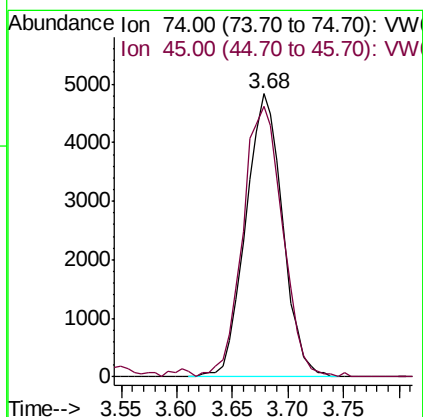
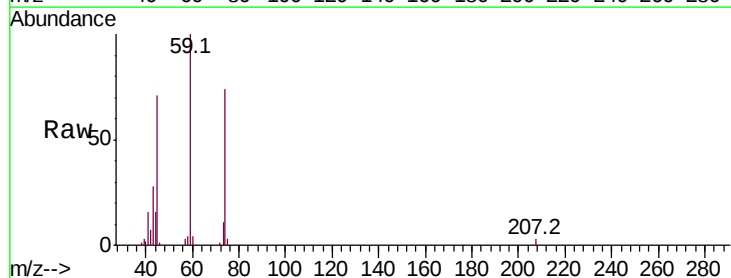
Tot Ion:101 Resp: 17150
Ion Ratio Lower Upper
101 100
103 69.1 53.2 79.8

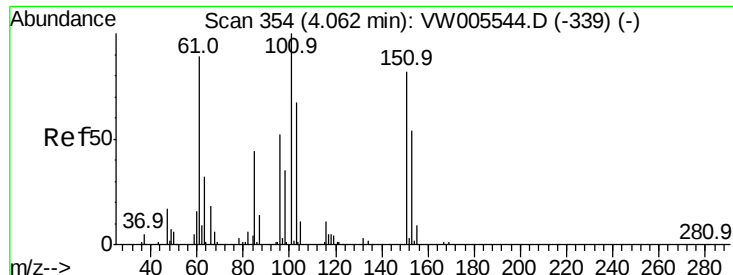


#8

Diethyl Ether
Concen: 11.475 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 74 Resp: 11181
Ion Ratio Lower Upper
74 100
45 103.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.445 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

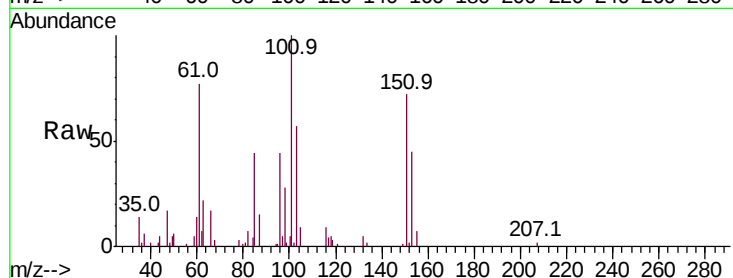
Tot Ion:101 Resp: 21839

Ion Ratio Lower Upper

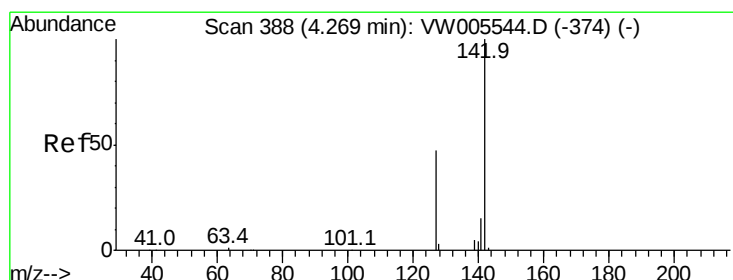
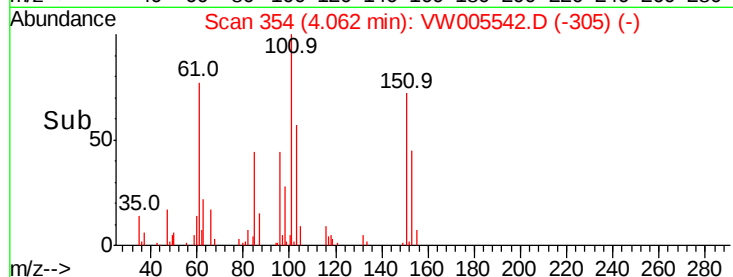
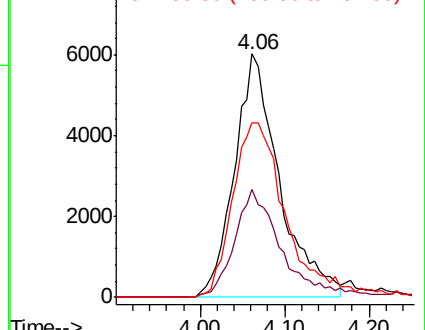
101 100

85 46.2 36.4 54.6

151 83.5 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: 15.704 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

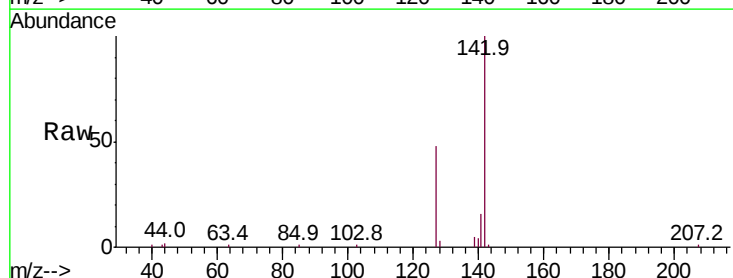
Tgt Ion:142 Resp: 33106

Ion Ratio Lower Upper

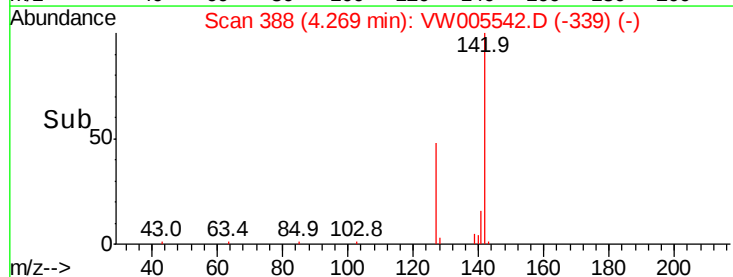
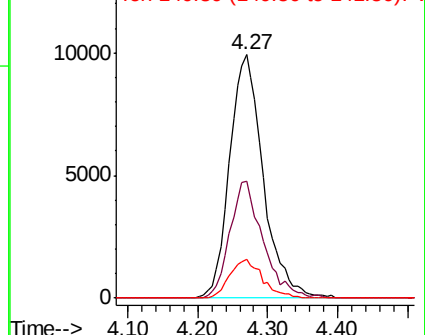
142 100

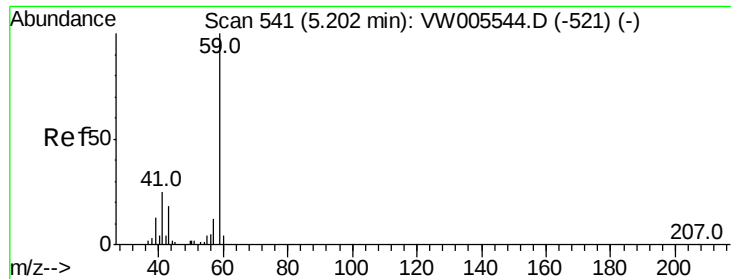
127 46.8 37.4 56.0

141 15.5 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: 25.960 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

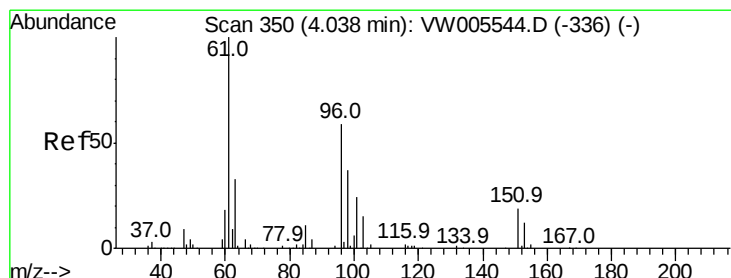
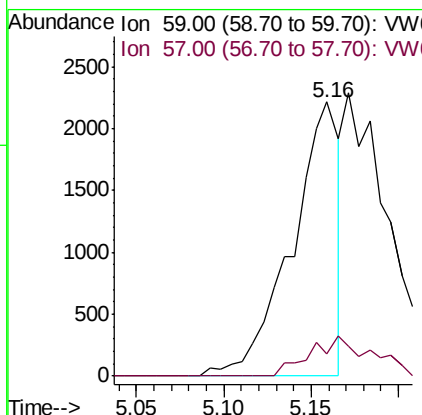
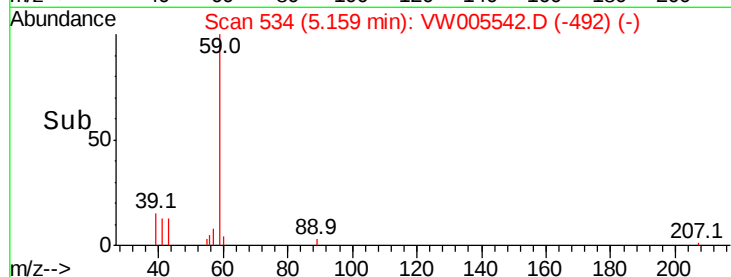
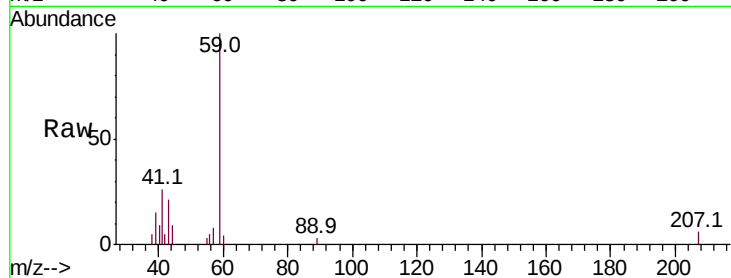
ClientSampled :

Tot Ion: 59 Resp: 4175

Ion Ratio Lower Upper

59 100

57 18.7 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 12.023 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

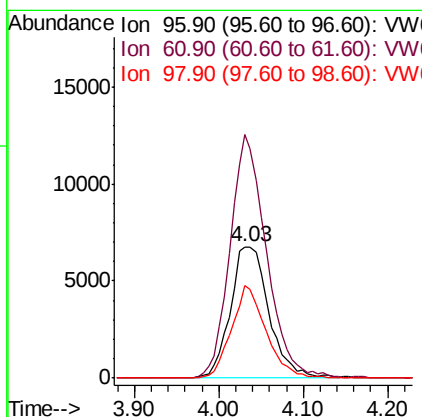
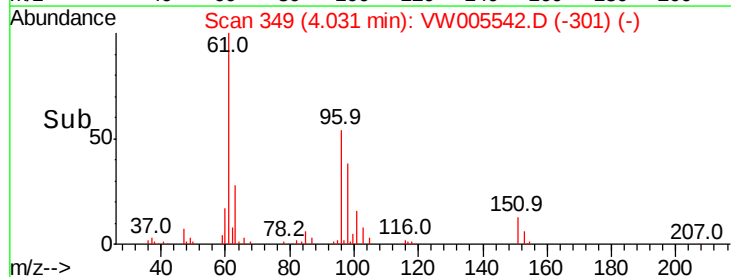
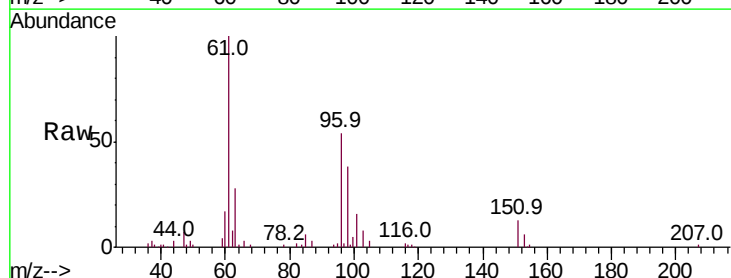
Tgt Ion: 96 Resp: 20978

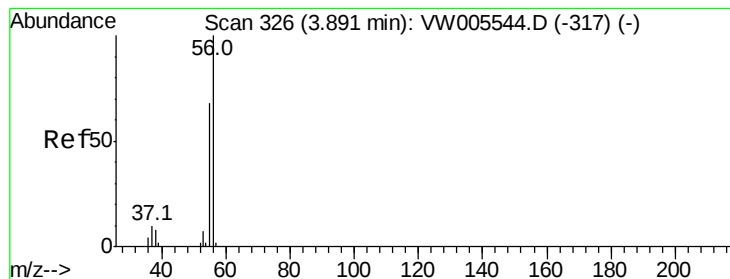
Ion Ratio Lower Upper

96 100

61 185.1 135.0 202.6

98 70.2 50.6 76.0





#13

Acrolein

Concen: 60.383 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

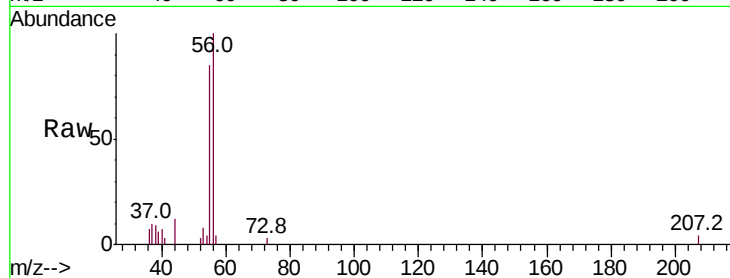
ClientSampled :

Tot Ion: 56 Resp: 6379

Ion Ratio Lower Upper

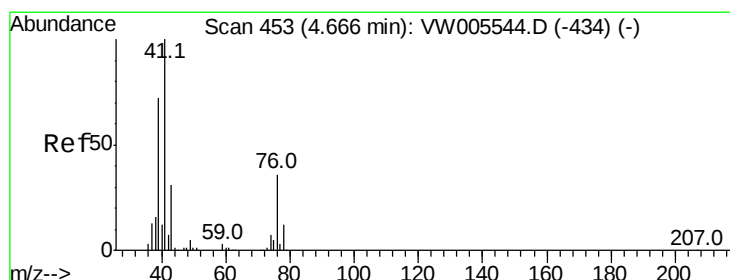
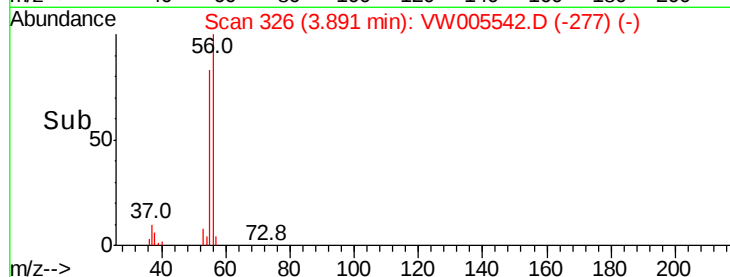
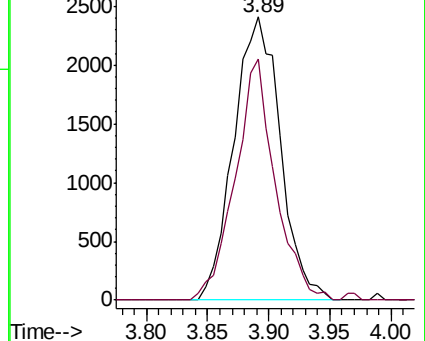
56 100

55 72.9 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 10.986 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

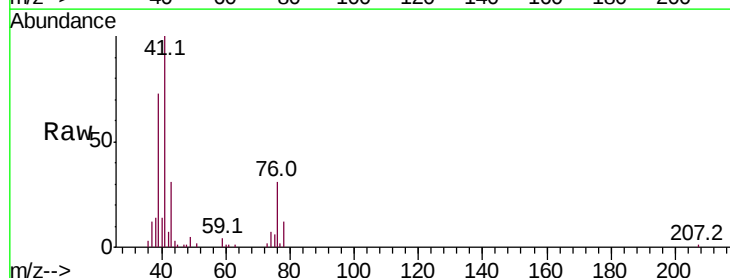
Tgt Ion: 41 Resp: 35345

Ion Ratio Lower Upper

41 100

39 74.5 59.6 89.4

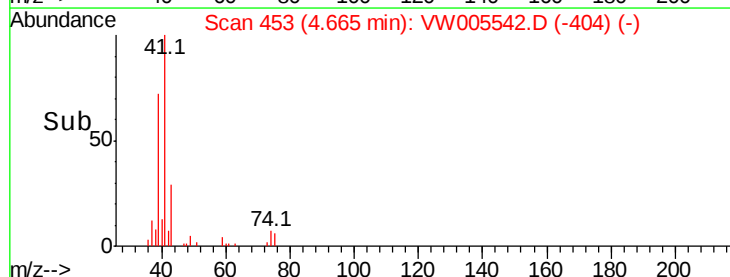
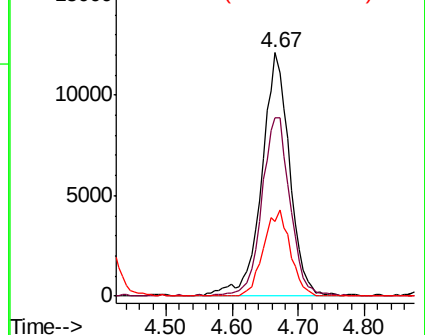
76 34.0 27.7 41.5

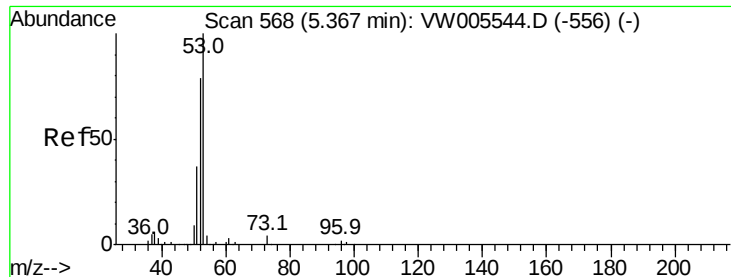


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 56.998 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :
MSVOA_W
ClientSampleId :

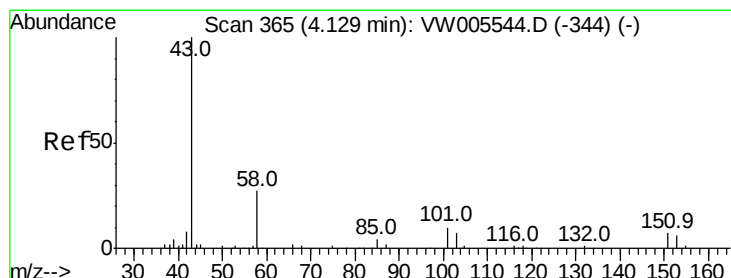
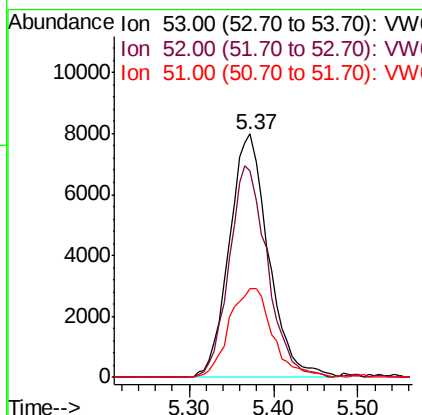
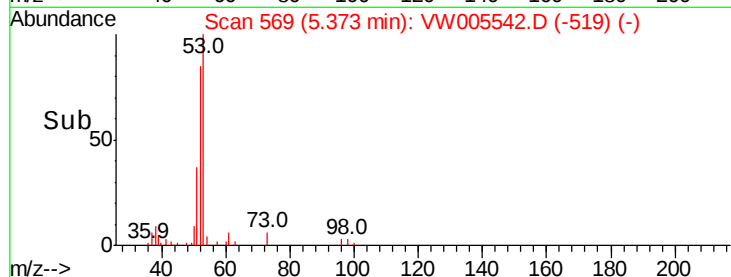
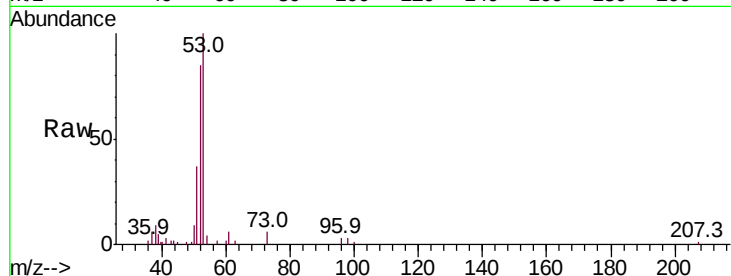
Tot Ion: 53 Resp: 25182

Ion Ratio Lower Upper

53 100

52 84.6 66.5 99.7

51 40.5 30.6 46.0



#16

Acetone

Concen: 70.424 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW005542.D

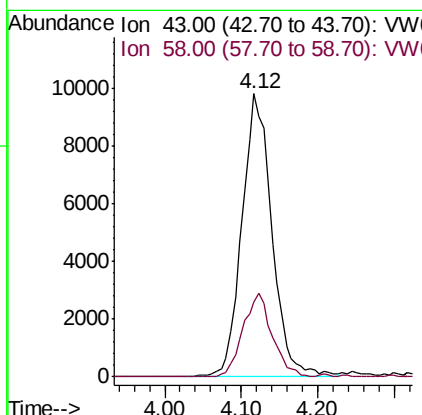
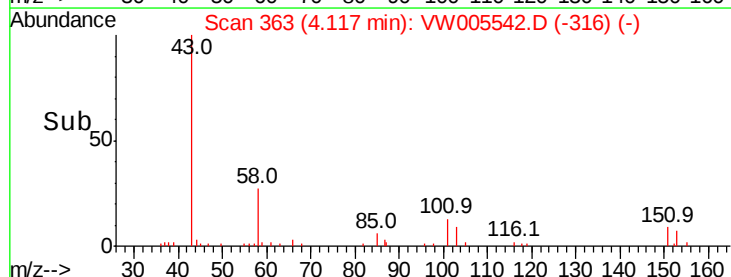
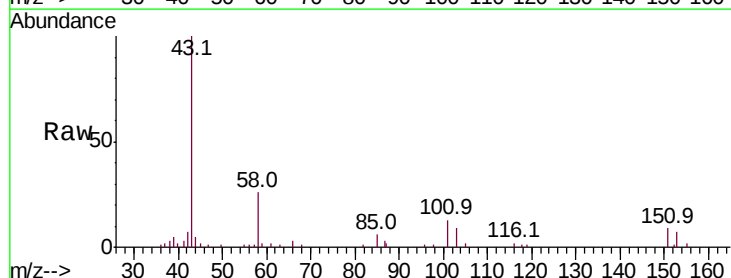
Acq: 20 Sep 2018 21:02

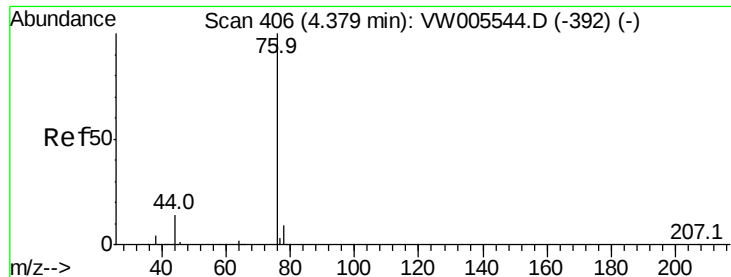
Tgt Ion: 43 Resp: 26817

Ion Ratio Lower Upper

43 100

58 26.5 21.8 32.8

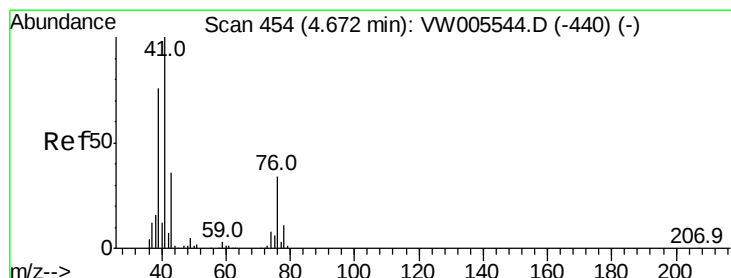
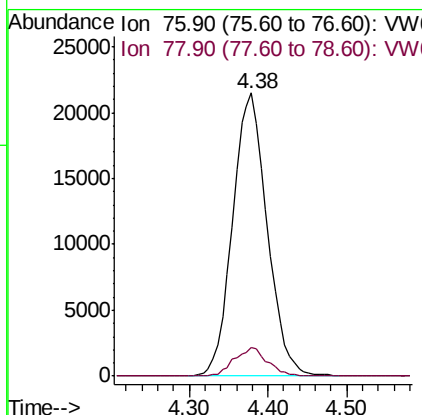
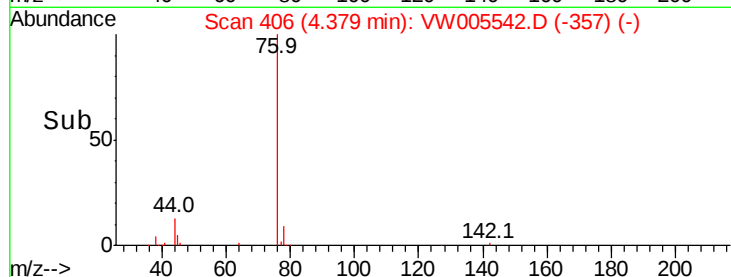
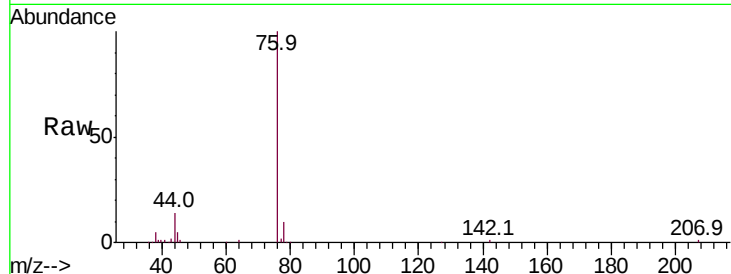




#17
Carbon Disulfide
Concen: 10.844 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

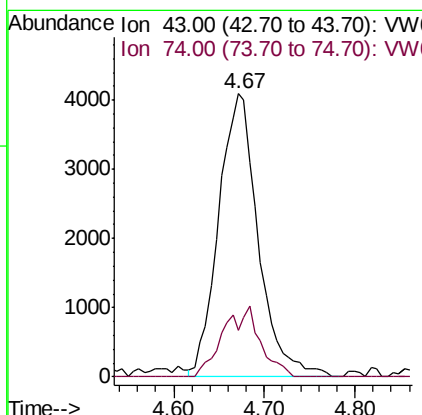
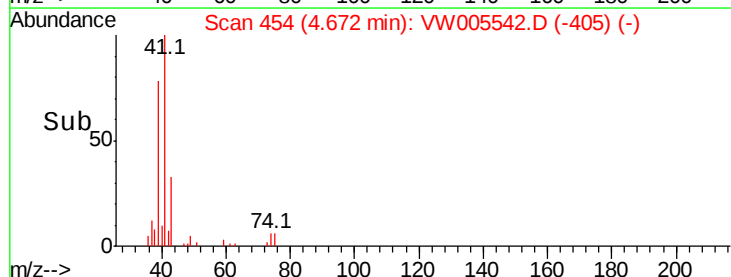
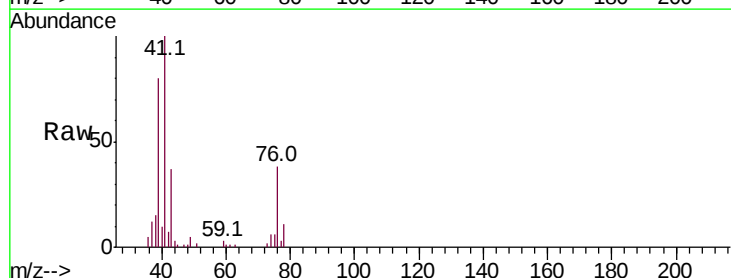
Instrument :
MSVOA_W
ClientSampled :

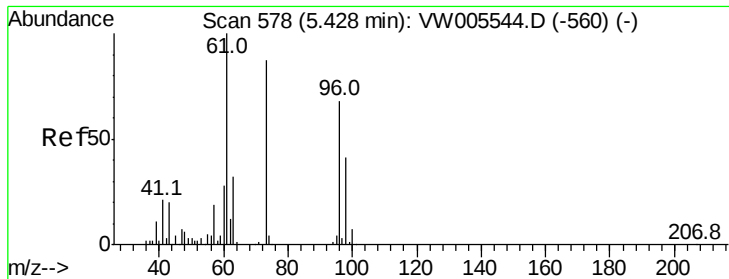
Tot Ion: 76 Resp: 65245
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0



#18
Methyl Acetate
Concen: 11.223 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 43 Resp: 12446
Ion Ratio Lower Upper
43 100
74 11.7 19.2 28.8#

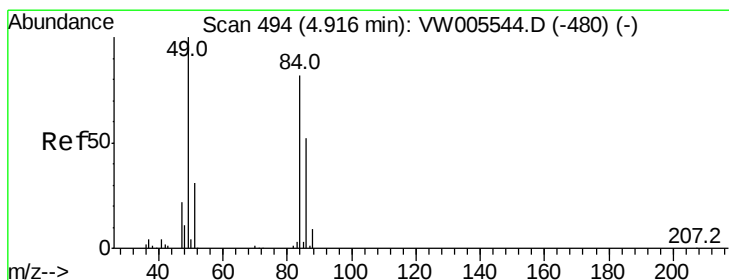
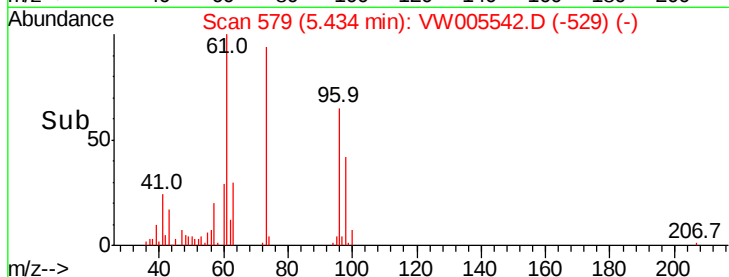
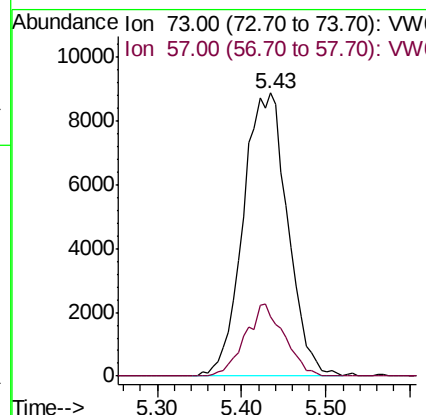
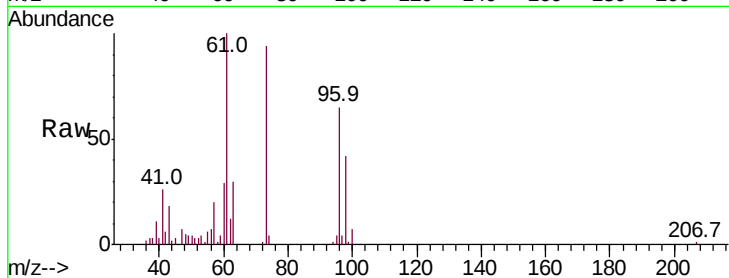




#19
Methyl tert-butyl Ether
Concen: 7.316 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

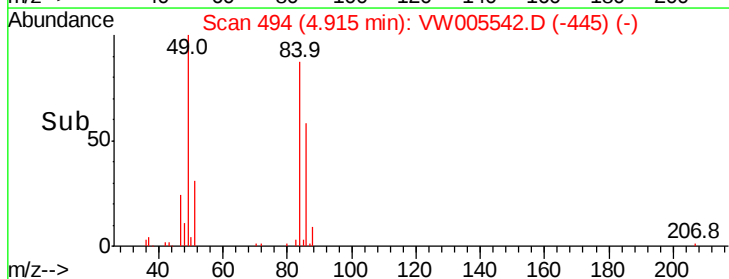
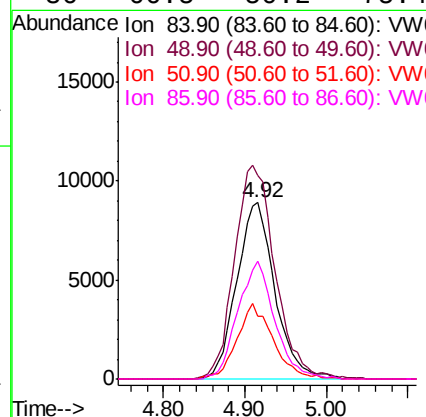
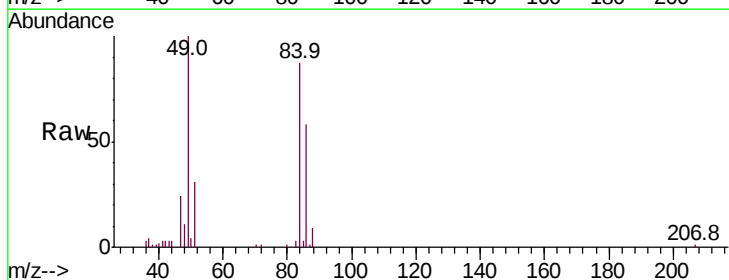
Instrument :
MSVOA_W
ClientSampled :

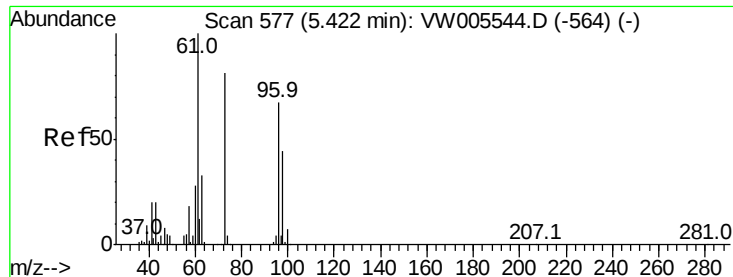
Tot Ion: 73 Resp: 31845
Ion Ratio Lower Upper
73 100
57 20.8 17.6 26.4



#20
Methylene Chloride
Concen: 10.628 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 84 Resp: 28909
Ion Ratio Lower Upper
84 100
49 115.1 97.0 145.6
51 35.3 30.2 45.2
86 66.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 10.916 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

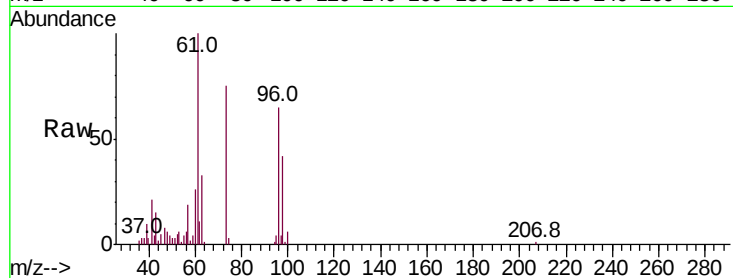
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 96 Resp: 22572

Ion	Ratio	Lower	Upper
96	100		
61	153.2	118.9	178.3
98	63.8	52.1	78.1

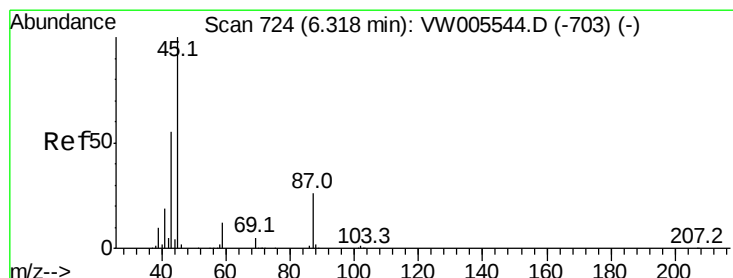
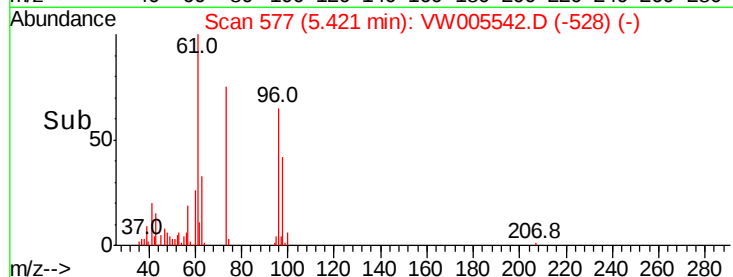
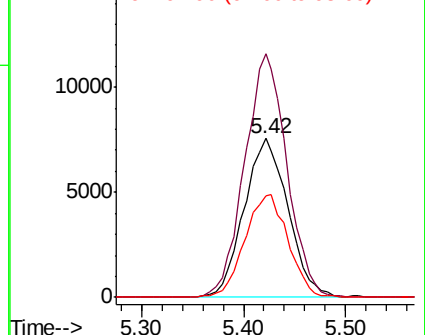


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 10.675 ug/l

RT: 6.32 min Scan# 724

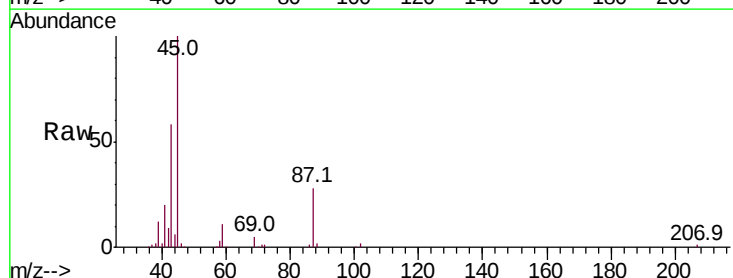
Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Tgt Ion: 45 Resp: 67150

Ion	Ratio	Lower	Upper
45	100		
43	57.0	44.2	66.4
87	27.8	21.4	32.2
59	10.6	9.3	13.9



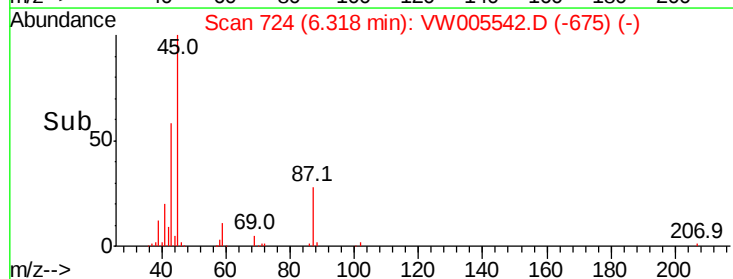
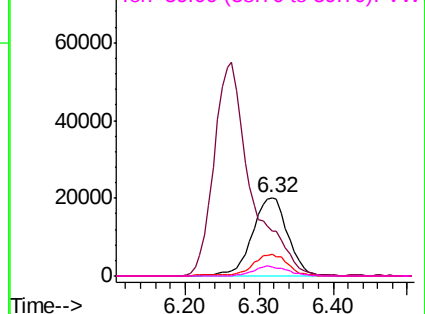
Abundance

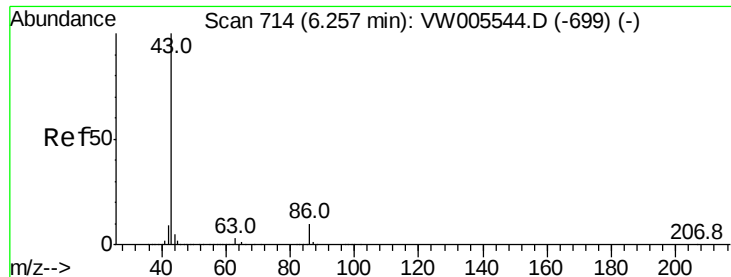
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 52.667 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

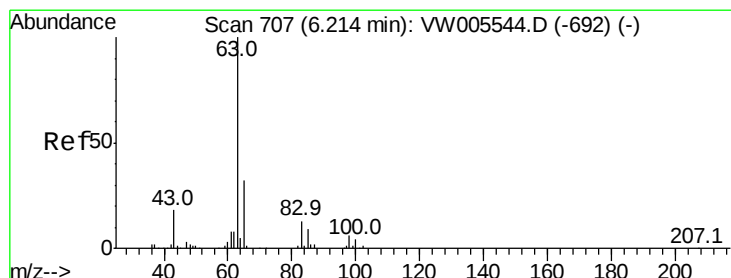
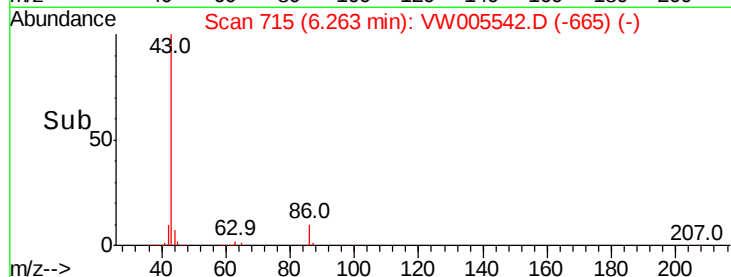
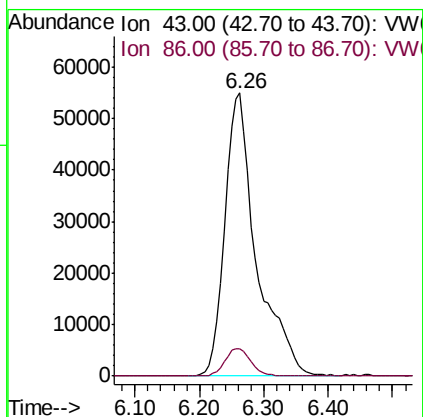
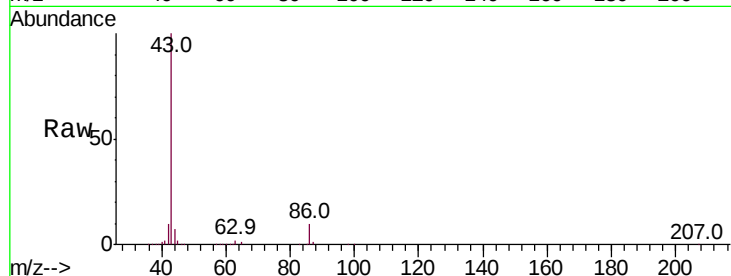
ClientSampleId :

Tot Ion: 43 Resp: 189265

Ion Ratio Lower Upper

43 100

86 9.8 7.7 11.5



#24

1,1-Dichloroethane

Concen: 11.186 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

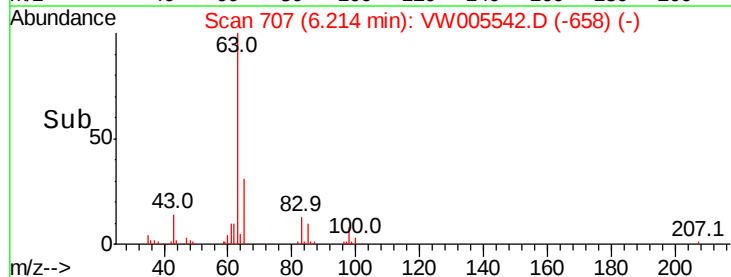
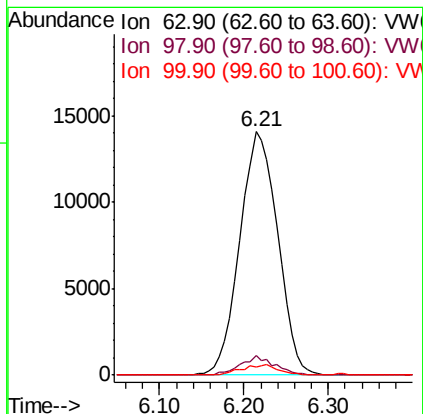
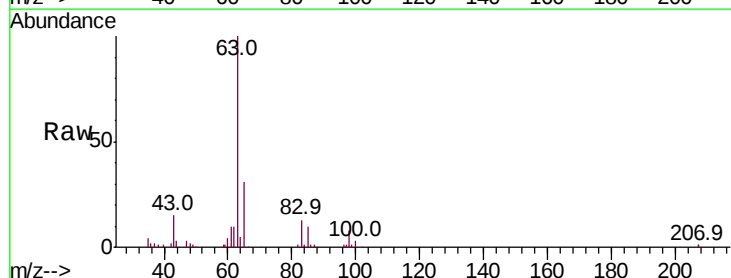
Tgt Ion: 63 Resp: 43024

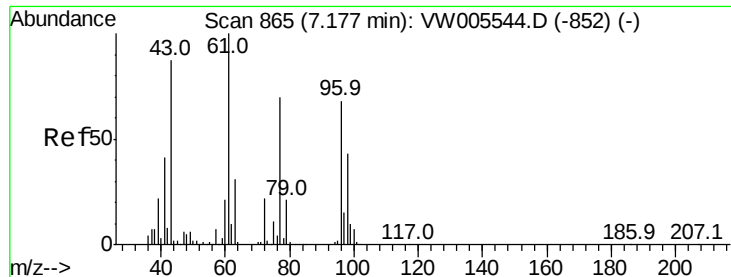
Ion Ratio Lower Upper

63 100

98 8.2 2.9 8.8

100 3.2 2.1 6.2





#25

2-Butanone

Concen: 61.468 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

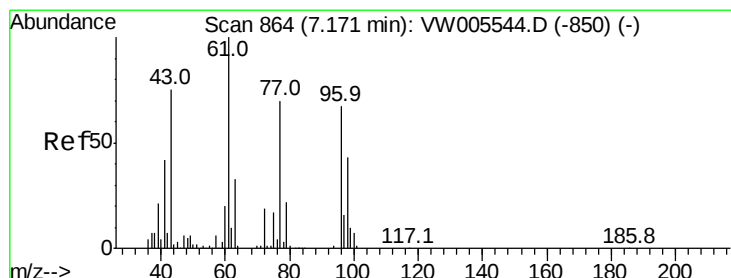
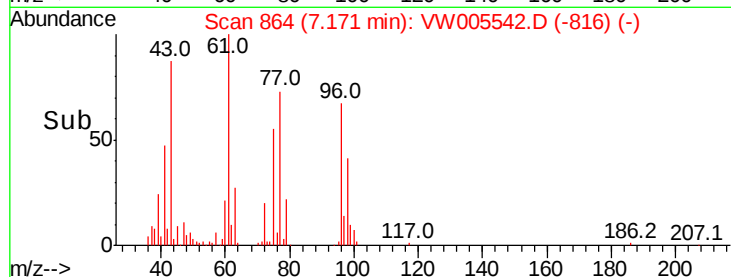
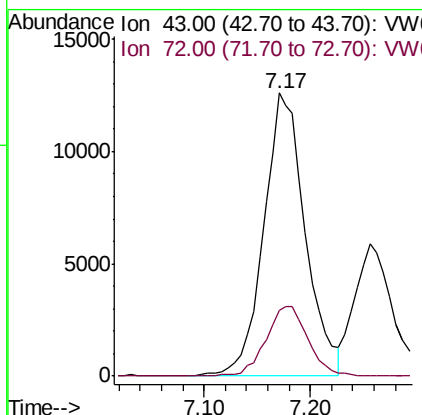
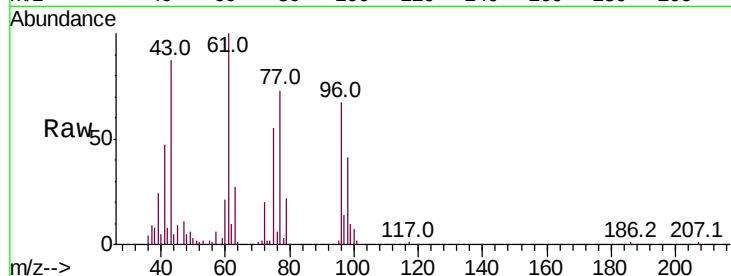
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 34121

Ion Ratio Lower Upper

43 100

72 23.4 19.9 29.9



#26

2,2-Dichloropropane

Concen: 9.753 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005542.D

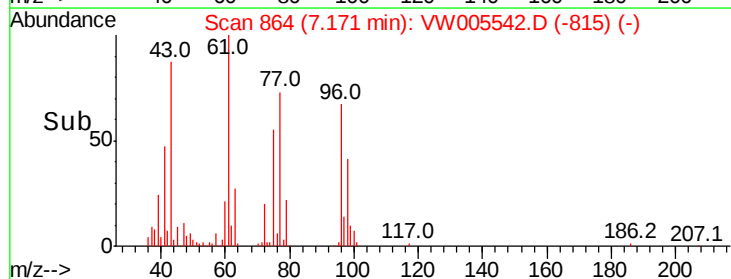
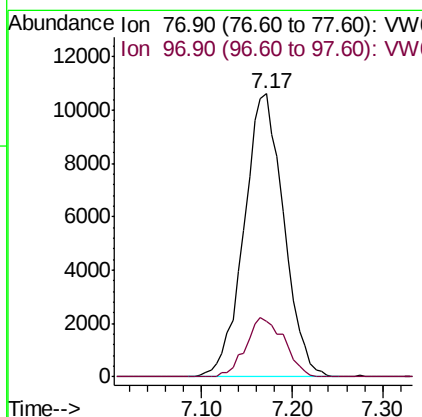
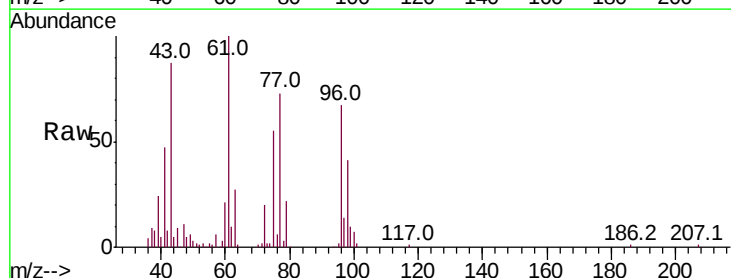
Acq: 20 Sep 2018 21:02

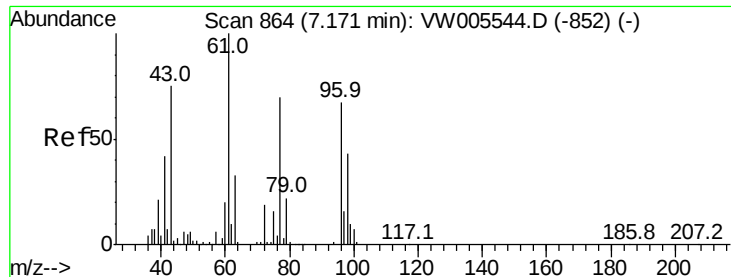
Tgt Ion: 77 Resp: 32135

Ion Ratio Lower Upper

77 100

97 20.2 11.0 33.0



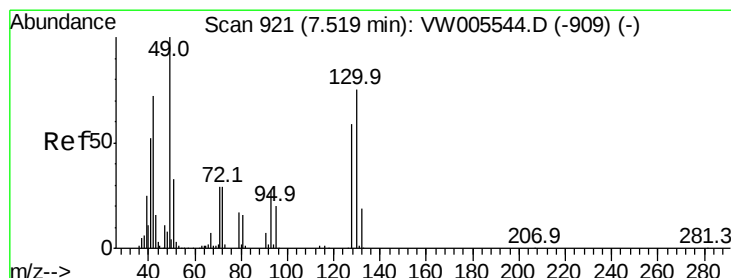
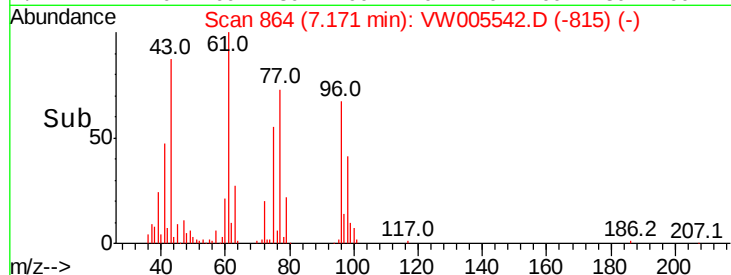
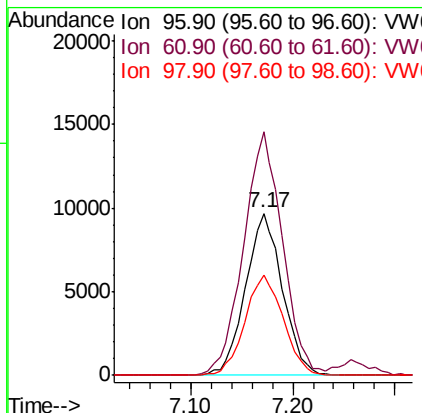
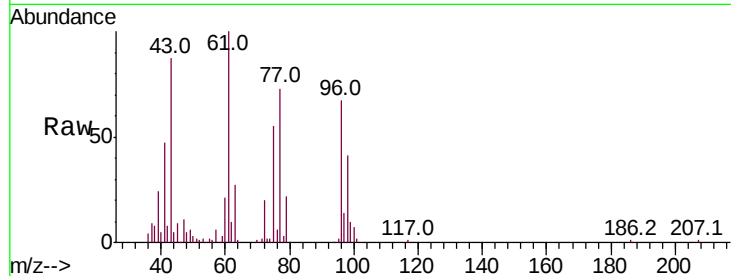


#27

cis-1,2-Dichloroethene
 Concen: 10.822 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Instrument :
 MSVOA_W
 ClientSampled :

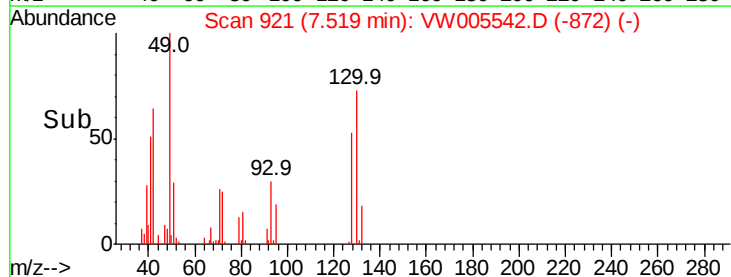
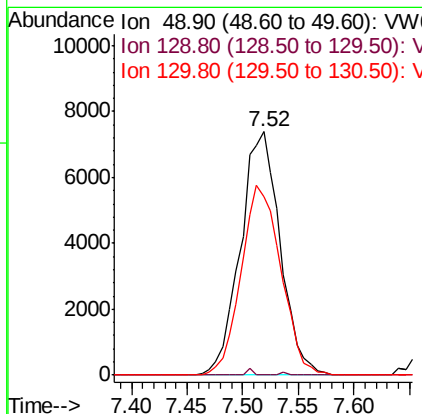
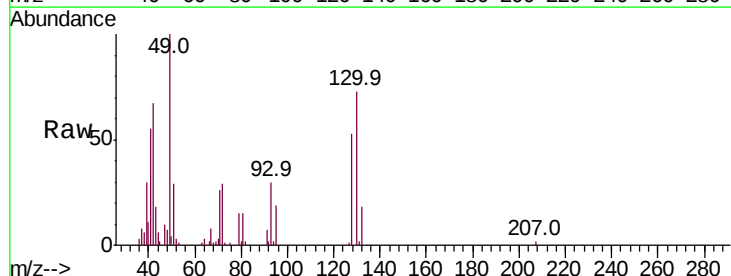
Tot Ion	96	Resp	24351
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	303.4
98	64.0	0.0	127.2

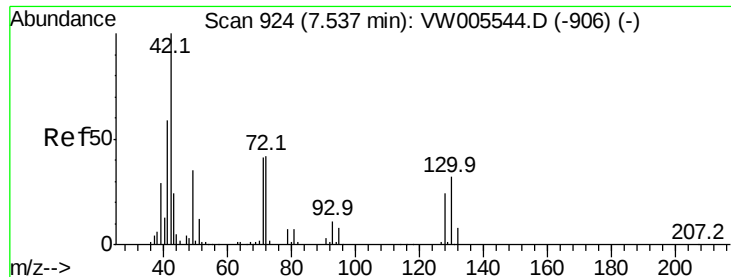


#28

Bromochloromethane
 Concen: 12.229 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Tgt Ion	49	Resp	18309
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.4
130	78.2	61.3	91.9





#29

Tetrahydrofuran

Concen: 57.356 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

ClientSampled :

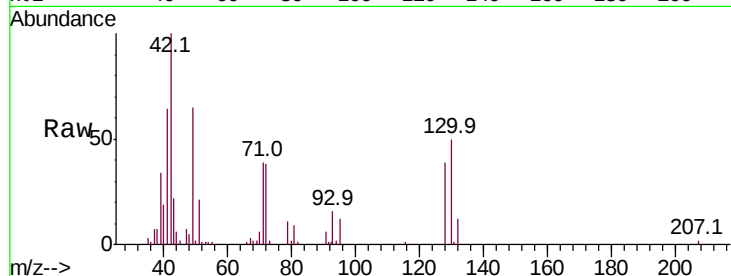
Tot Ion: 42 Resp: 20350

Ion Ratio Lower Upper

42 100

72 41.7 33.6 50.4

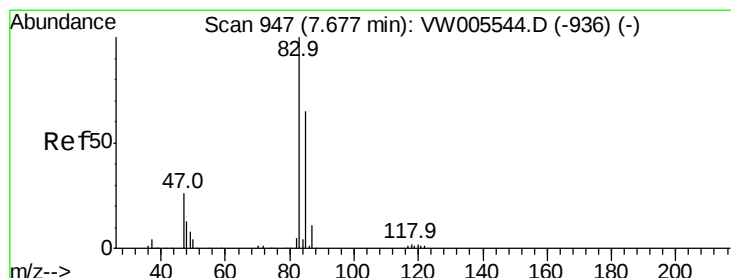
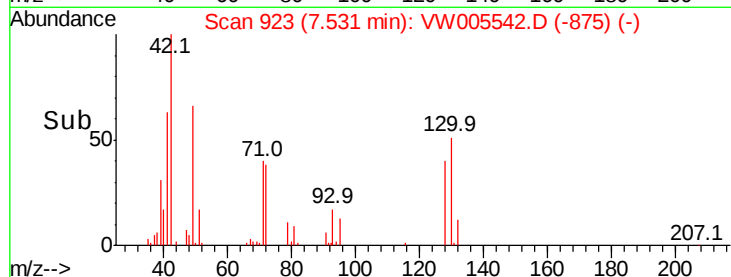
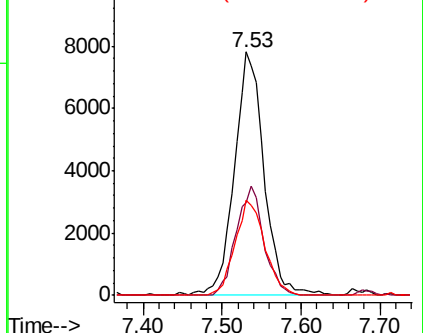
71 39.1 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 11.123 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005542.D

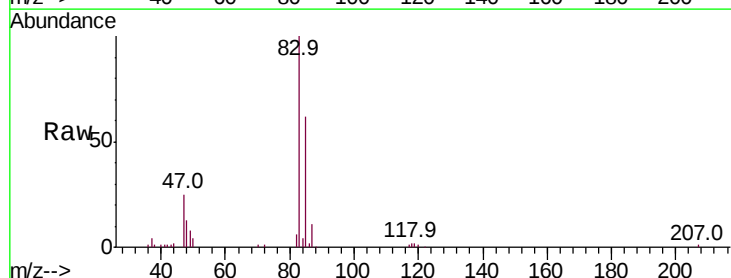
Acq: 20 Sep 2018 21:02

Tgt Ion: 83 Resp: 44408

Ion Ratio Lower Upper

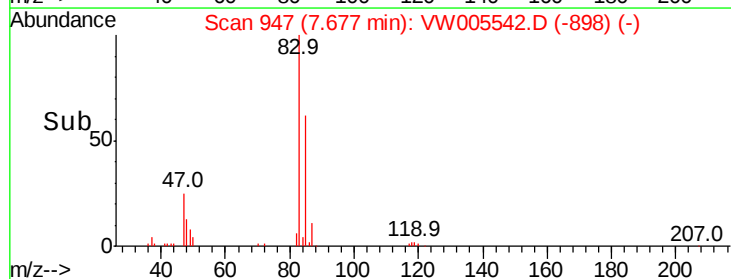
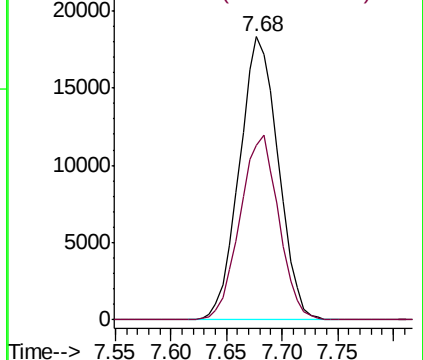
83 100

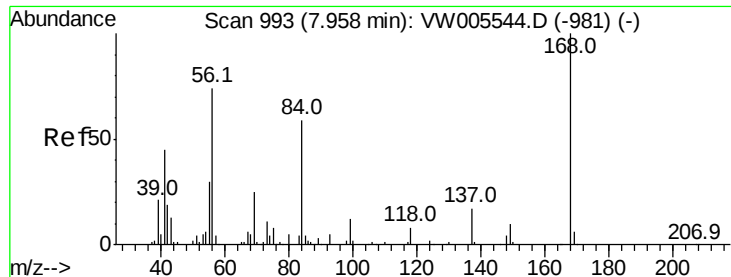
85 61.5 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

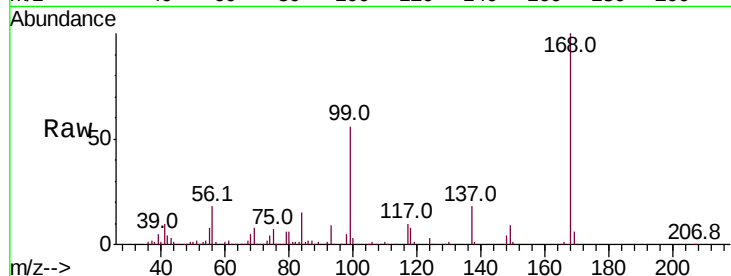




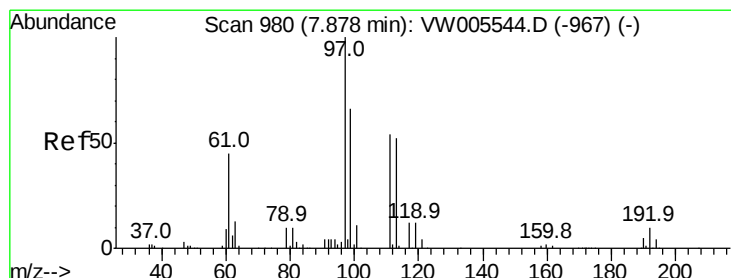
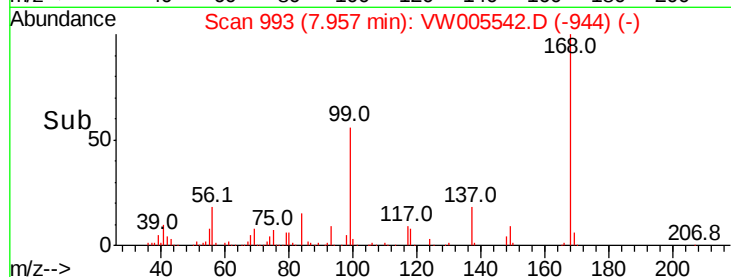
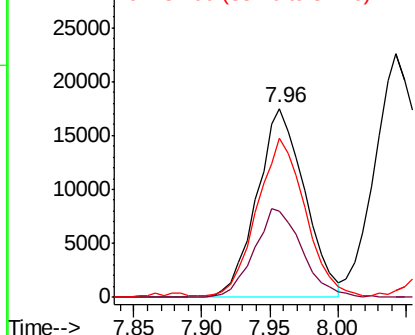
#31
Cyclohexane
Concen: 11.714 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 43017
Ion Ratio Lower Upper
56 100
69 45.6 27.0 40.4#
84 83.1 64.2 96.4

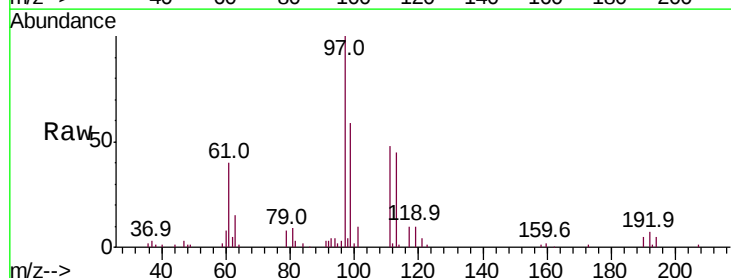


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

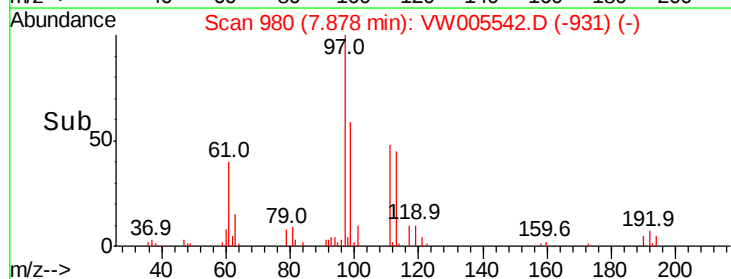
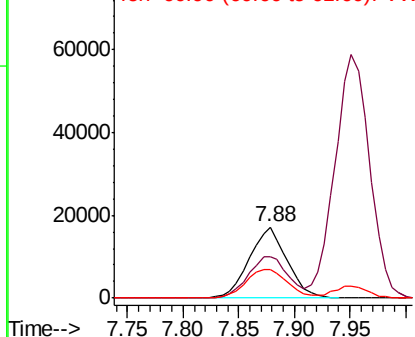


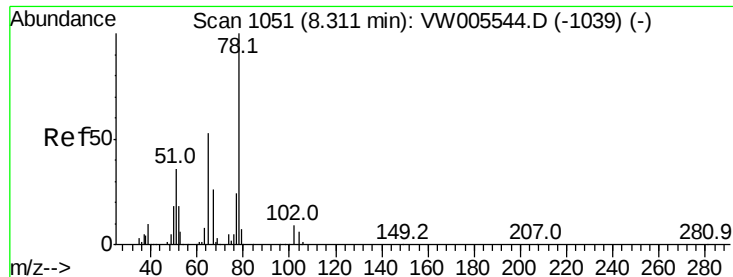
#32
1,1,1-Trichloroethane
Concen: 11.066 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 97 Resp: 40354
Ion Ratio Lower Upper
97 100
99 62.3 51.0 76.6
61 45.1 36.2 54.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

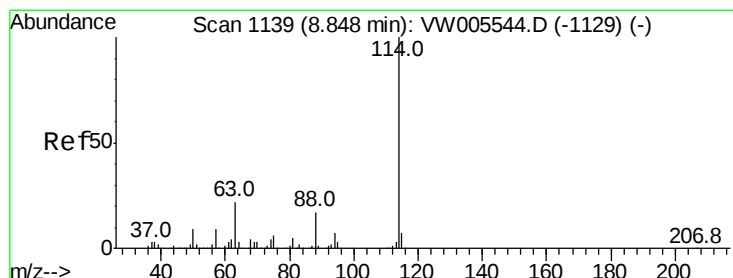
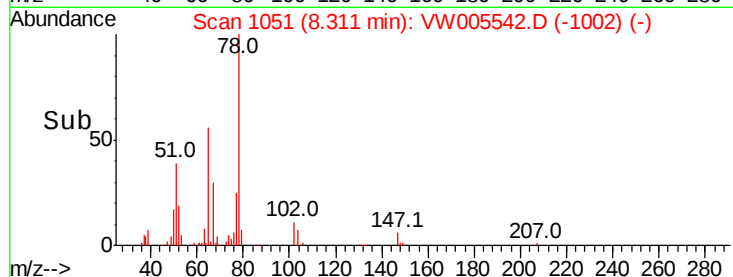
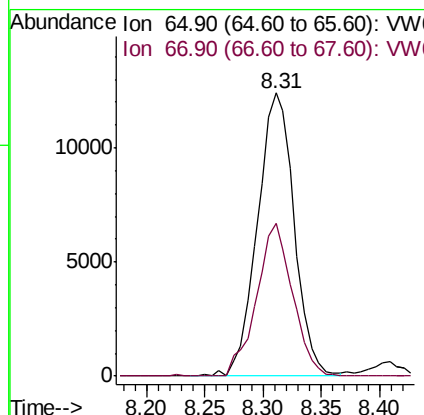
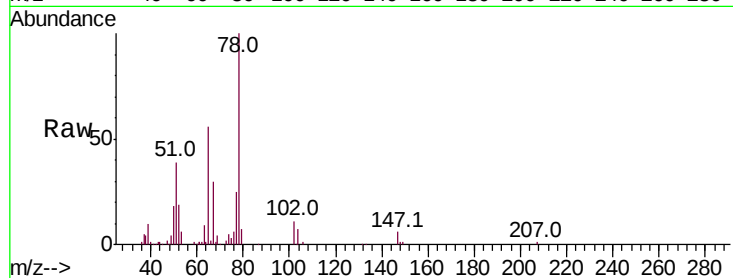




#33
 1,2-Dichloroethane-d4
 Concen: 11.625 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

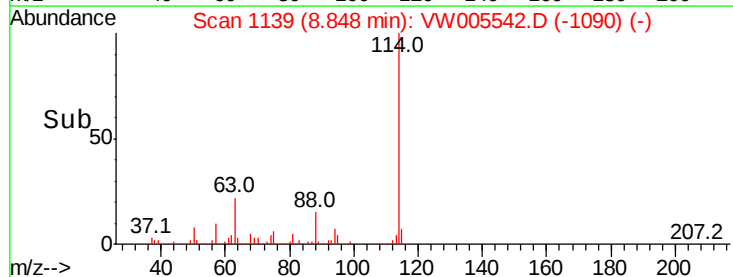
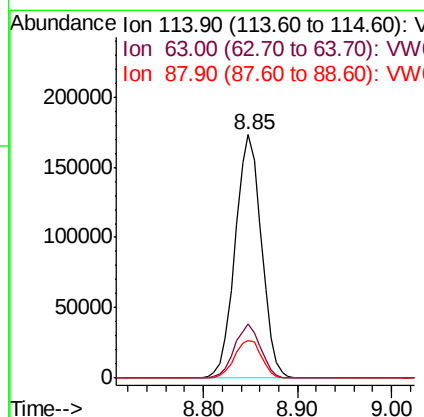
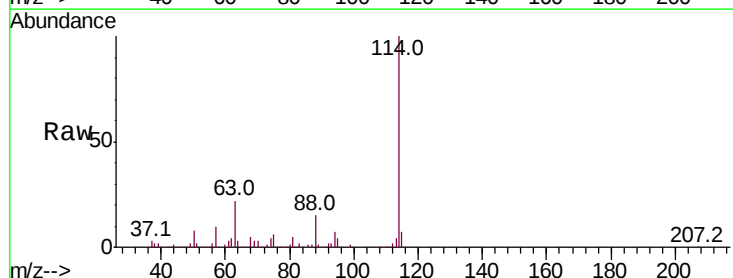
Instrument :
 MSVOA_W
 ClientSampled :

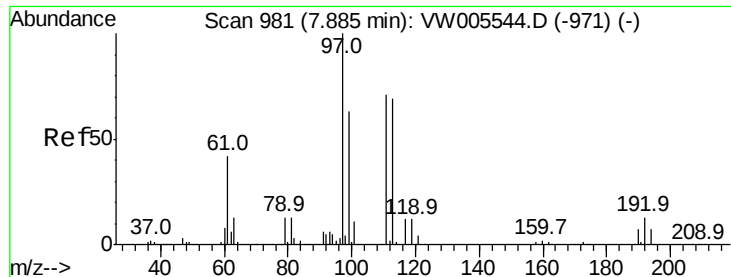
Tot Ion: 65 Resp: 27231
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Tgt Ion: 114 Resp: 335215
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.0
 88 15.3 0.0 33.0

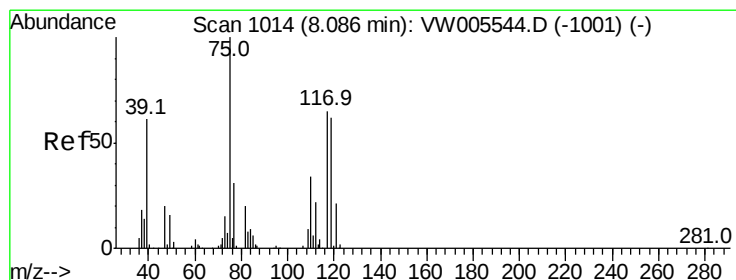
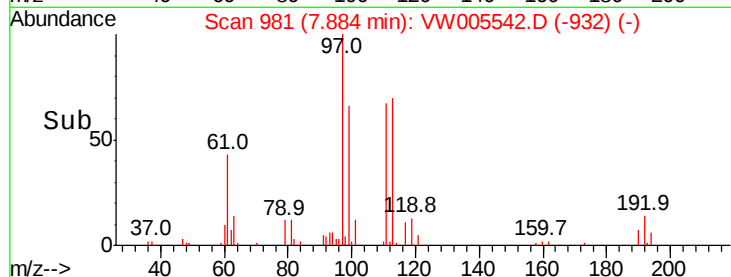
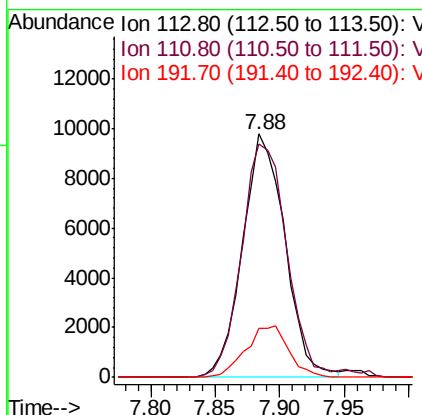
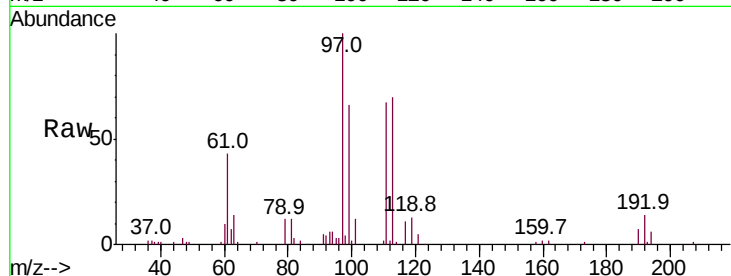




#35
 Dibromofluoromethane
 Concen: 11.510 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

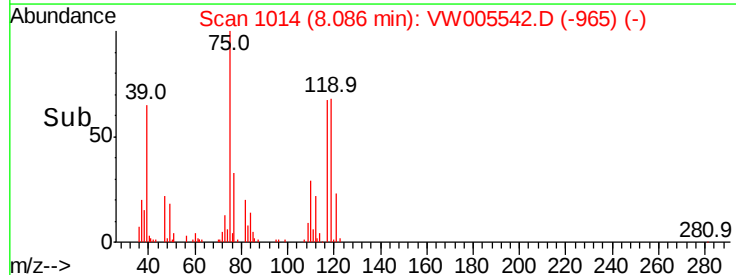
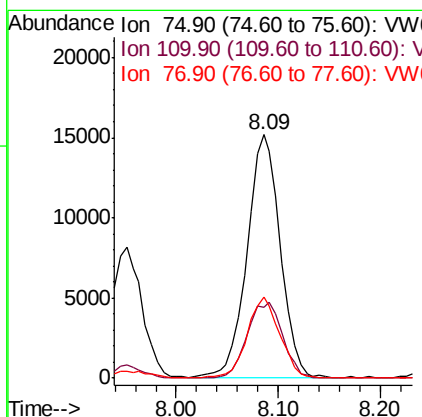
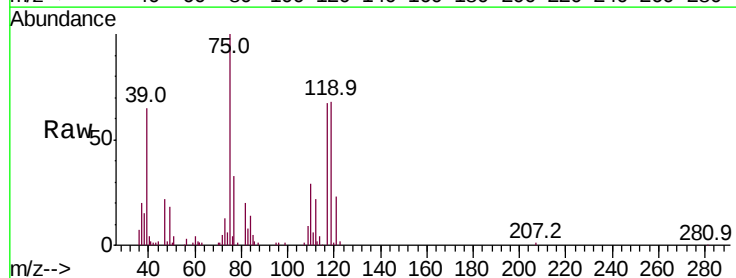
Instrument :
 MSVOA_W
 ClientSampleId :

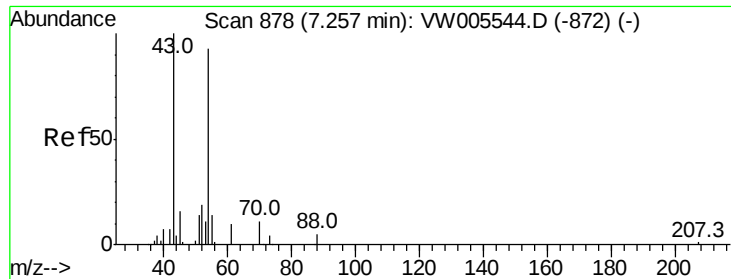
Tot Ion:113 Resp: 22327
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.6 123.8
 192 21.3 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 10.715 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Tgt Ion: 75 Resp: 34553
 Ion Ratio Lower Upper
 75 100
 110 33.1 17.0 50.9
 77 32.5 24.8 37.2

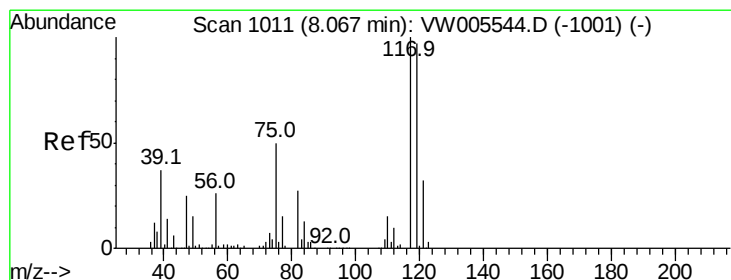
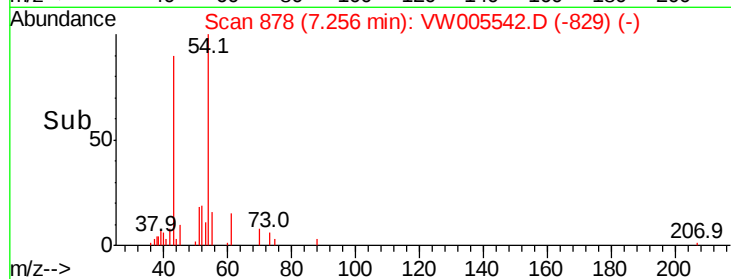
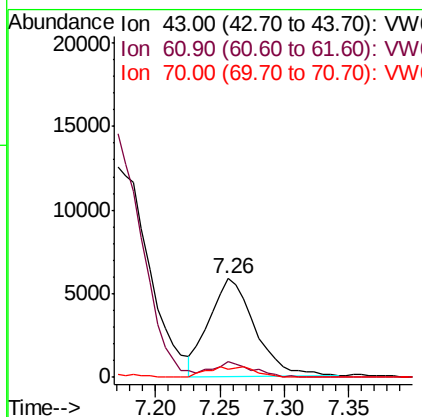
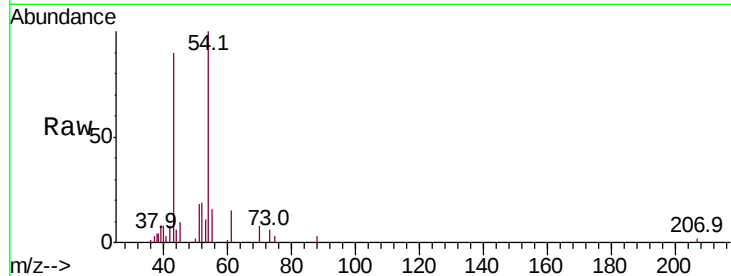




#37
Ethyl Acetate
Concen: 10.910 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

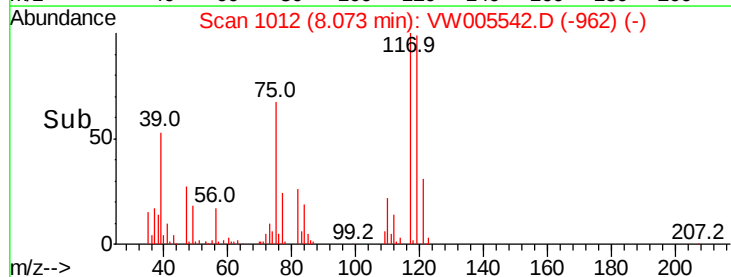
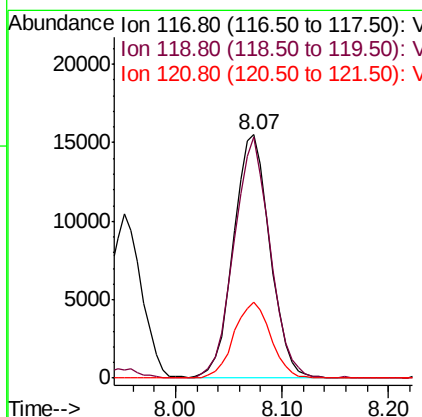
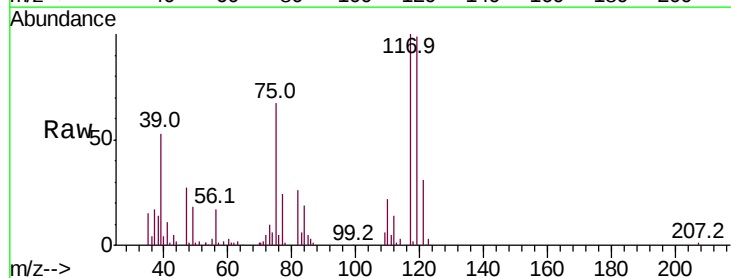
Instrument :
MSVOA_W
ClientSampleId :

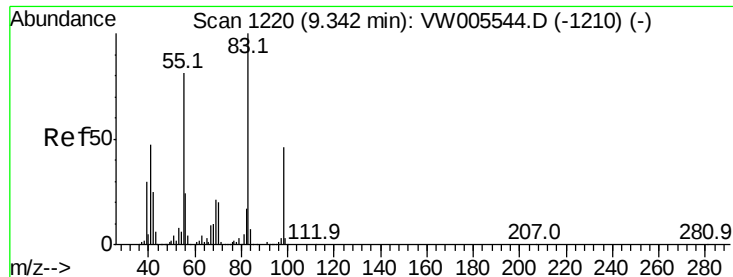
Tot Ion: 43 Resp: 14420
Ion Ratio Lower Upper
43 100
61 13.8 10.4 15.6
70 11.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 11.072 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 117 Resp: 37449
Ion Ratio Lower Upper
117 100
119 99.0 77.6 116.4
121 31.1 25.7 38.5

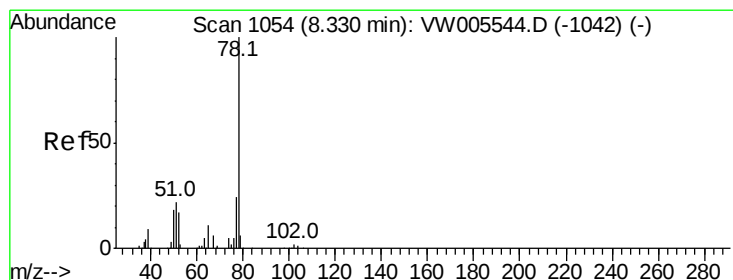
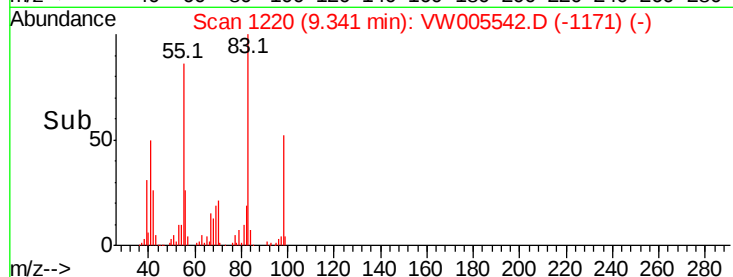
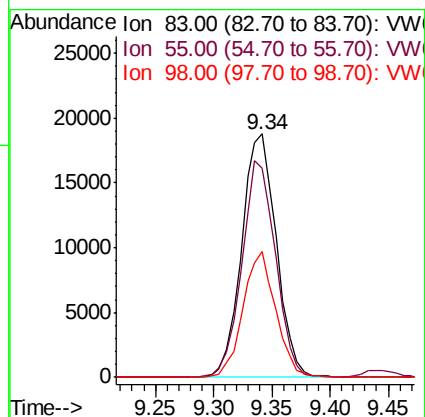
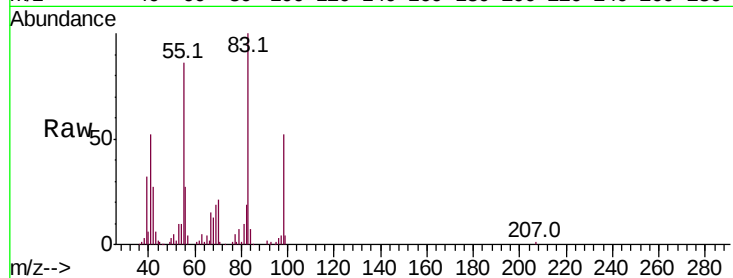




#39
Methvlcvclohexane
Concen: 10.425 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

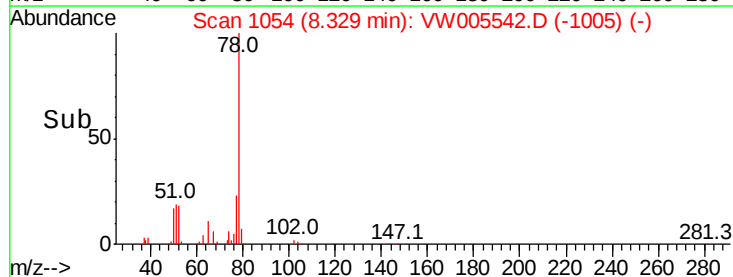
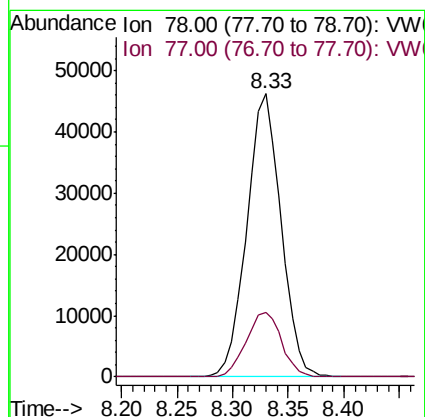
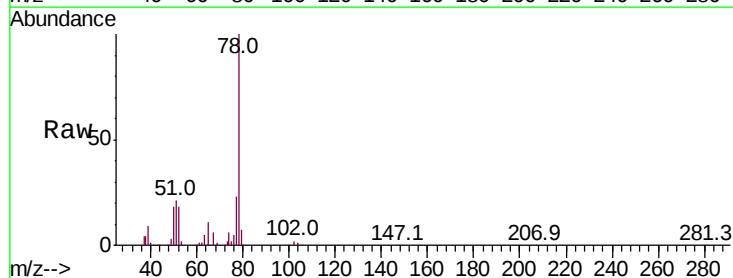
Instrument :
MSVOA_W
ClientSampleId :

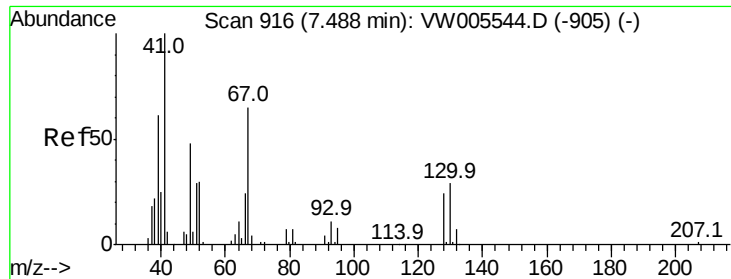
Tot Ion: 83 Resp: 38979
Ion Ratio Lower Upper
83 100
55 85.8 64.6 97.0
98 51.6 37.0 55.6



#40
Benzene
Concen: 10.626 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 78 Resp: 98714
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.4

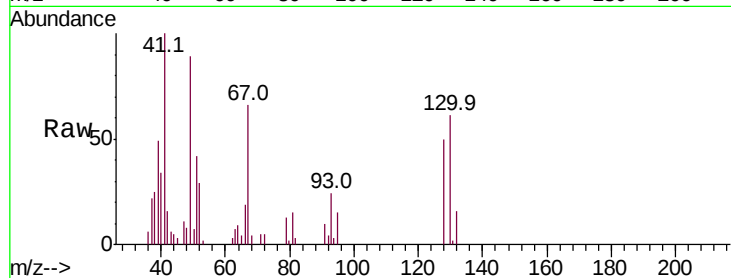




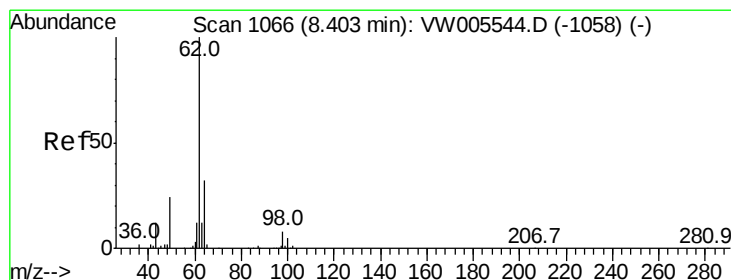
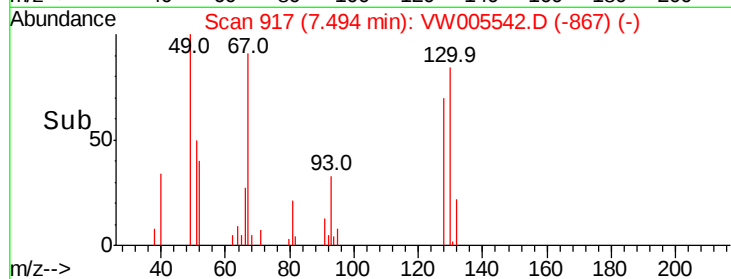
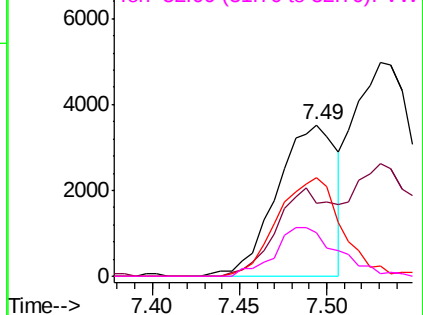
#41
Methacrylonitrile
Concen: 10.623 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	8410
Ion	Ratio	Lower	Upper
41	100		
39	55.3	45.4	68.2
67	70.1	55.2	82.8
52	34.0	25.3	37.9

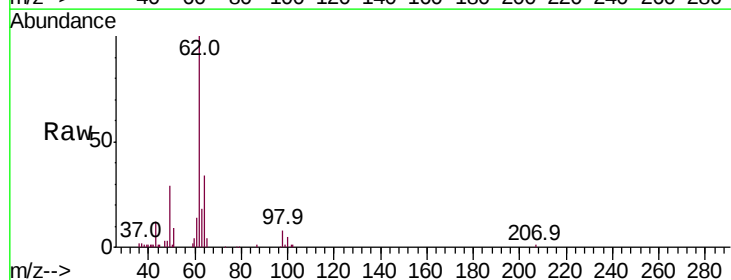


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

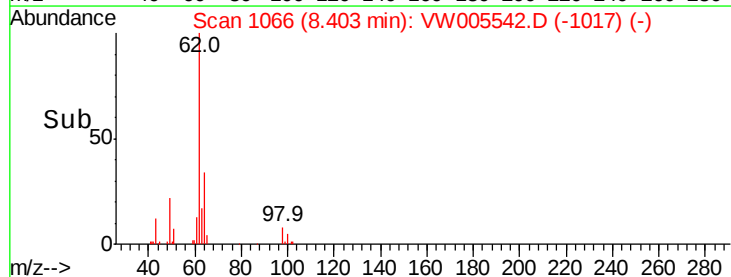
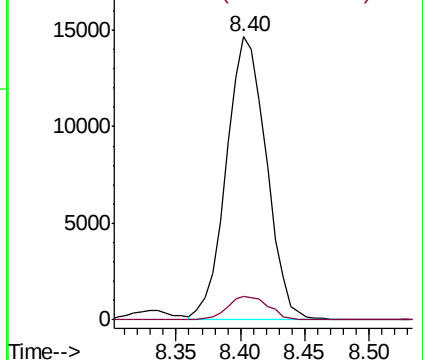


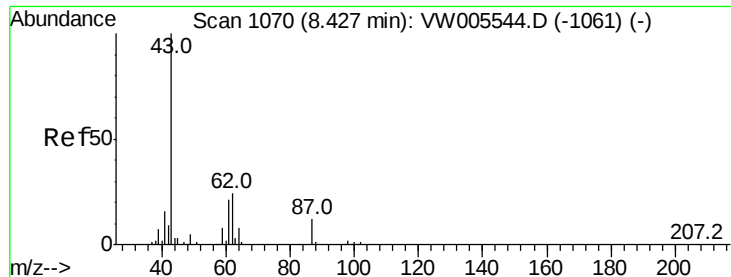
#42
1,2-Dichloroethane
Concen: 10.784 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion:	62	Resp:	31654
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 11.283 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

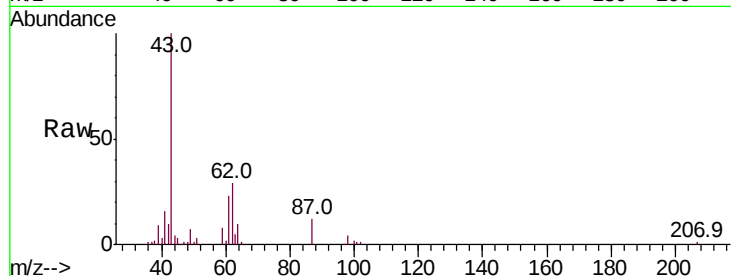
Tot Ion: 43 Resp: 28928

Ion Ratio Lower Upper

43 100

61 30.0 24.1 36.1

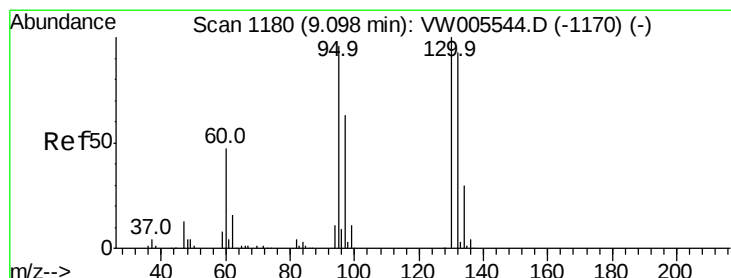
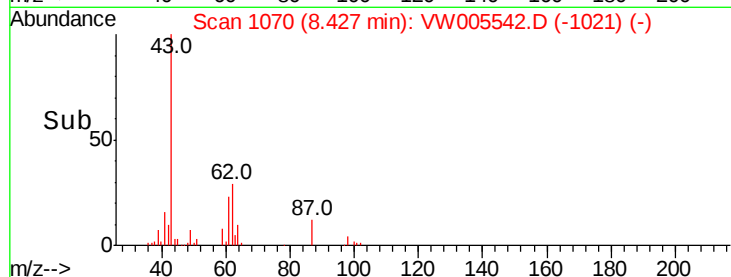
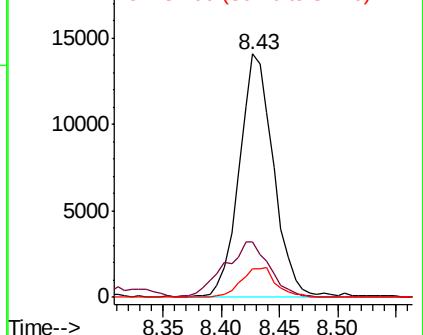
87 12.2 9.8 14.8



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: 10.551 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005542.D

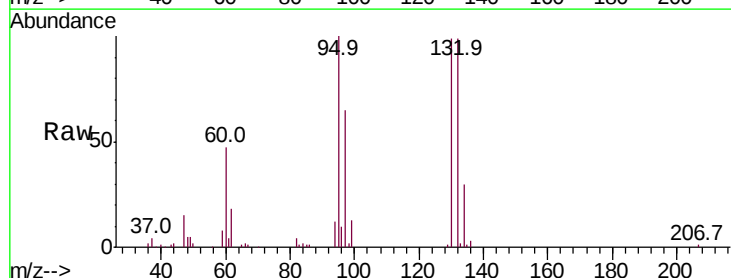
Acq: 20 Sep 2018 21:02

Tgt Ion: 130 Resp: 25234

Ion Ratio Lower Upper

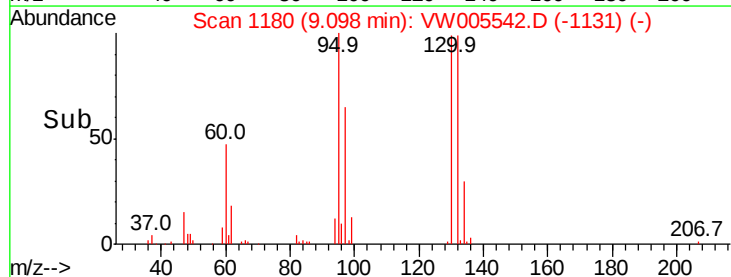
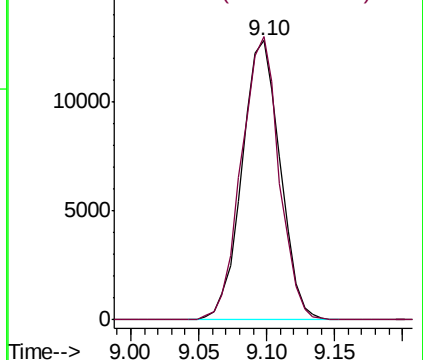
130 100

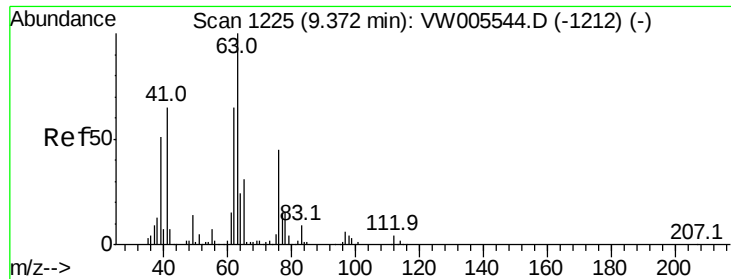
95 101.4 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

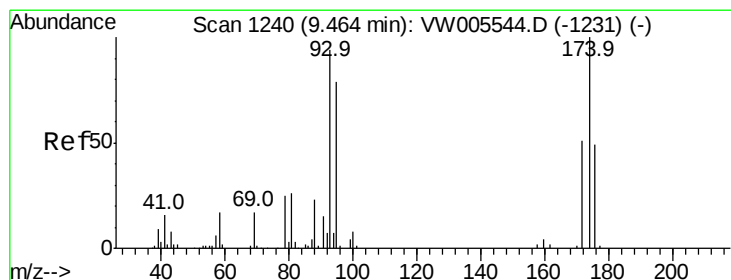
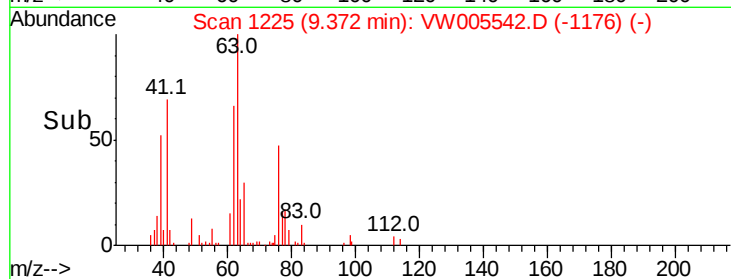
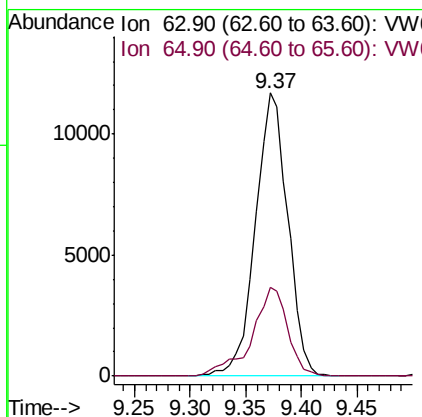
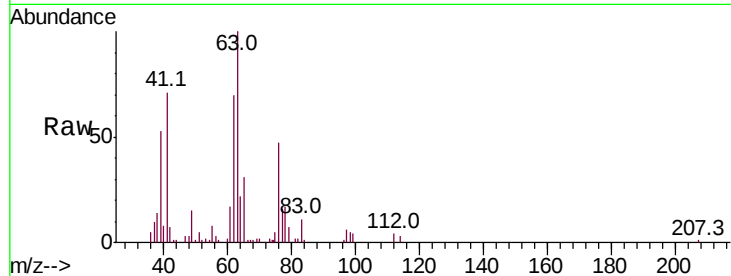




#45
 1,2-Dichloropropane
 Concen: 10.642 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

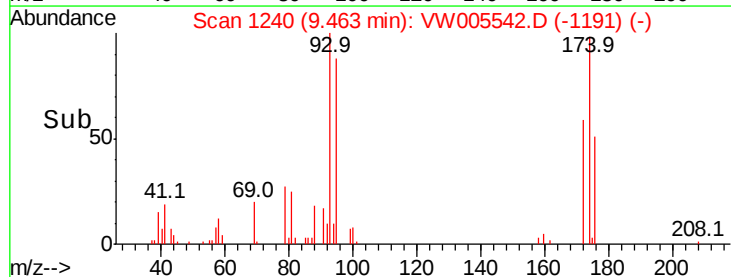
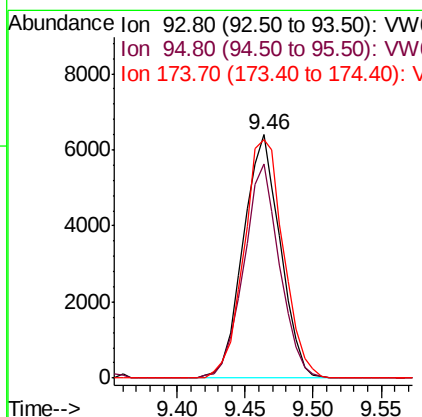
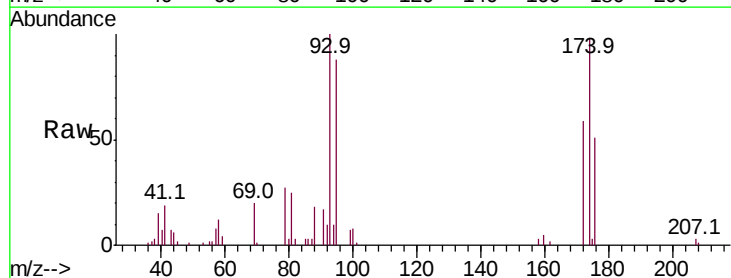
Instrument :
 MSVOA_W
 ClientSampled :

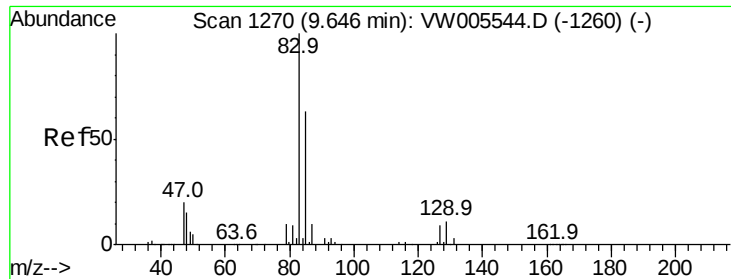
Tot Ion: 63 Resp: 23801
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1



#46
 Dibromomethane
 Concen: 10.962 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Tgt Ion: 93 Resp: 12116
 Ion Ratio Lower Upper
 93 100
 95 85.5 65.8 98.8
 174 105.2 84.0 126.0

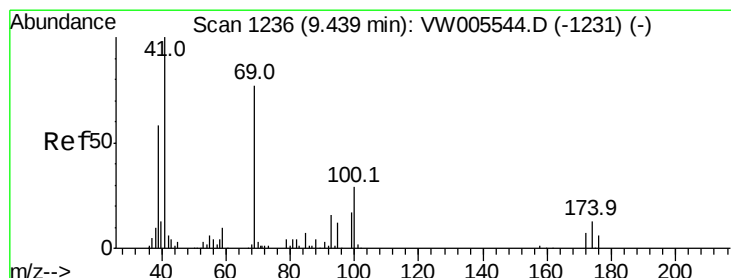
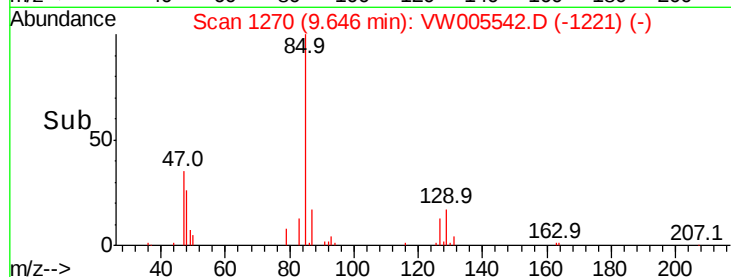
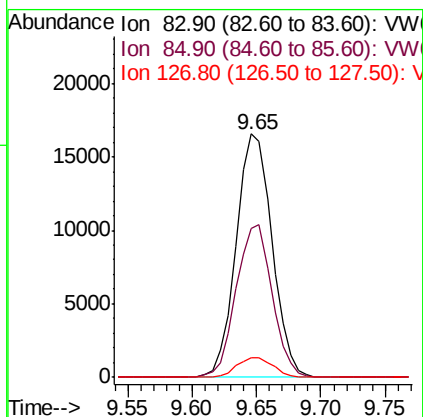
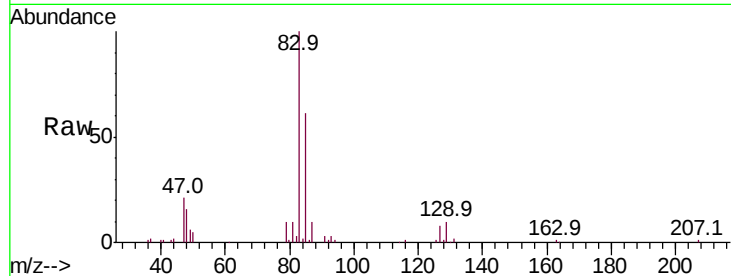




#47
Bromodichloromethane
Concen: 10.707 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

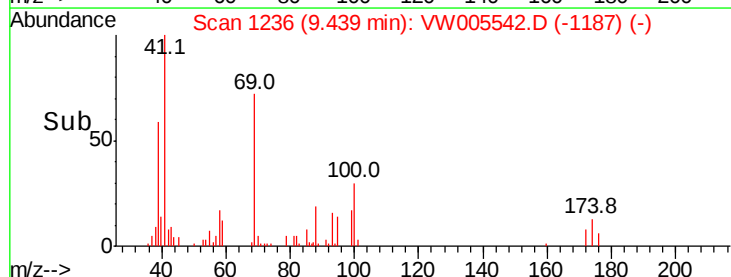
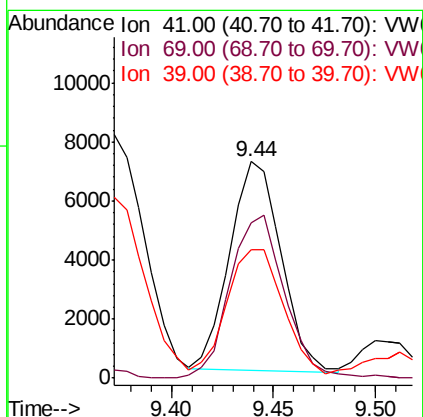
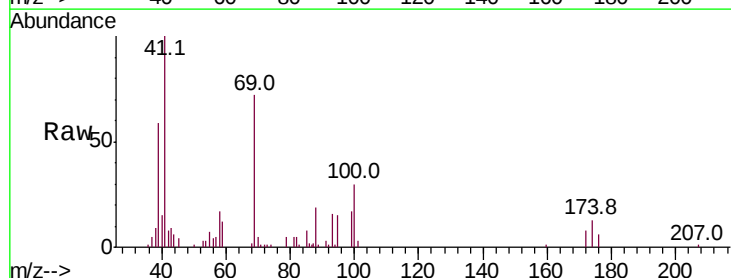
Instrument :
MSVOA_W
ClientSampleId :

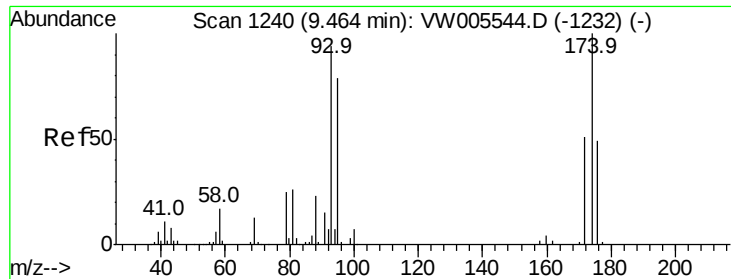
Tot Ion: 83 Resp: 31969
Ion Ratio Lower Upper
83 100
85 61.4 50.5 75.7
127 8.0 7.0 10.6



#48
Methyl methacrylate
Concen: 9.763 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 41 Resp: 12381
Ion Ratio Lower Upper
41 100
69 83.2 64.7 97.1
39 64.2 50.5 75.7

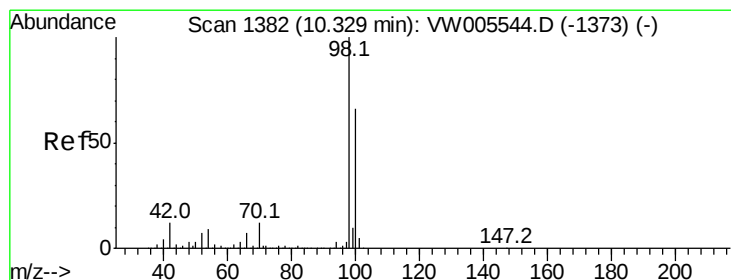
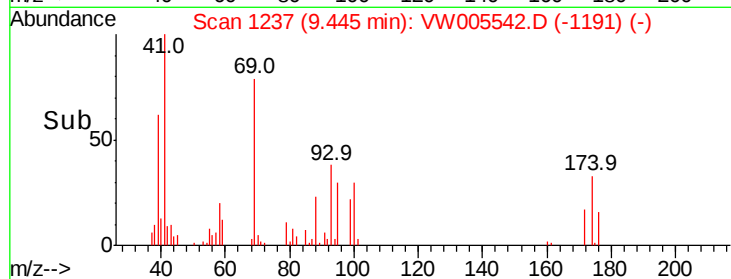
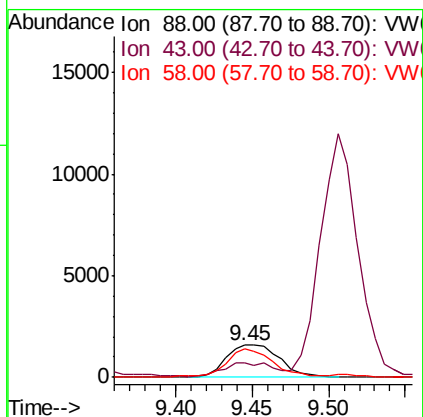
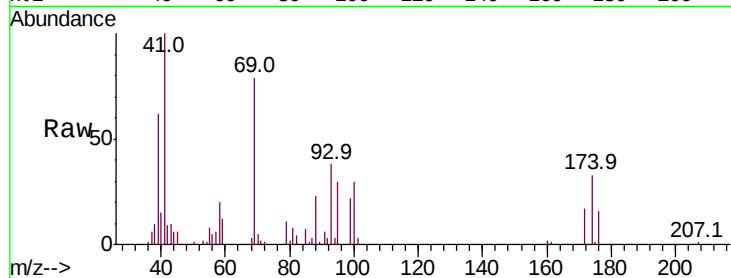




#49
1,4-Dioxane
Concen: 212.438 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

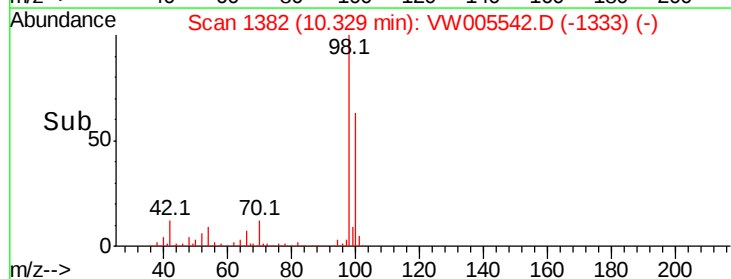
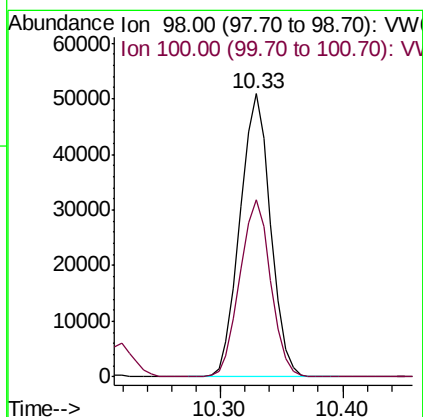
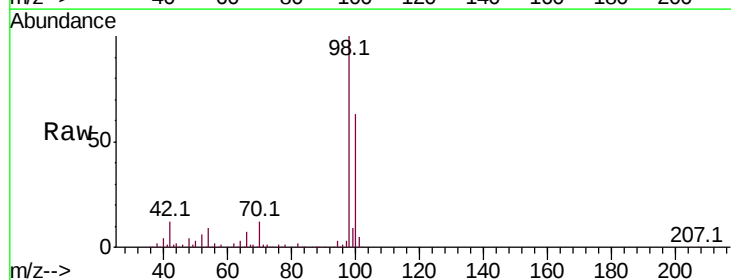
Instrument :
MSVOA_W
ClientSampleId :

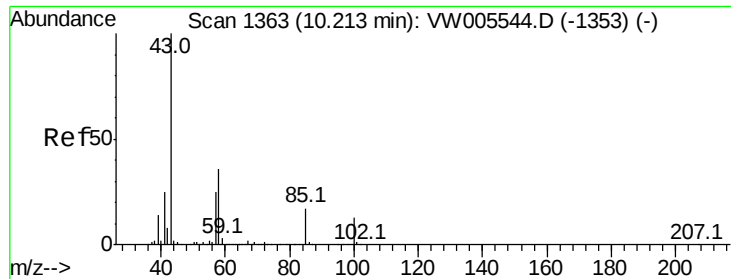
Tot Ion: 88 Resp: 3817
Ion Ratio Lower Upper
88 100
43 42.2 0.0 0.0#
58 78.7 61.2 91.8



#50
Toluene-d8
Concen: 10.192 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 98 Resp: 88221
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4

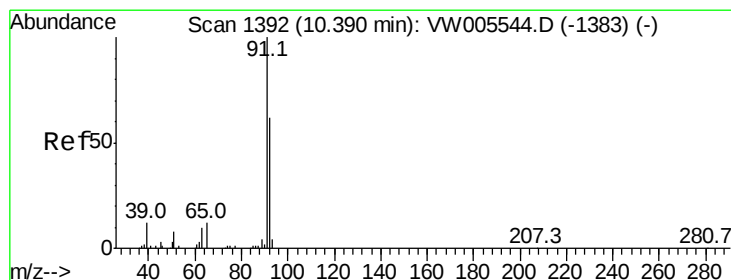
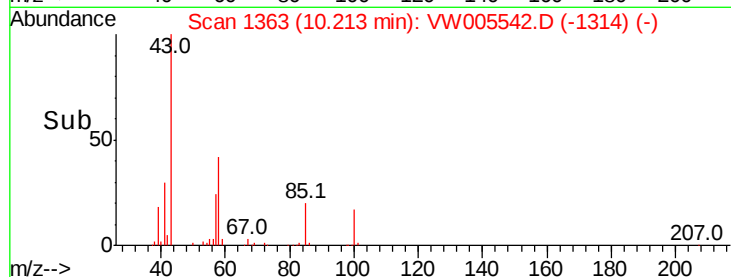
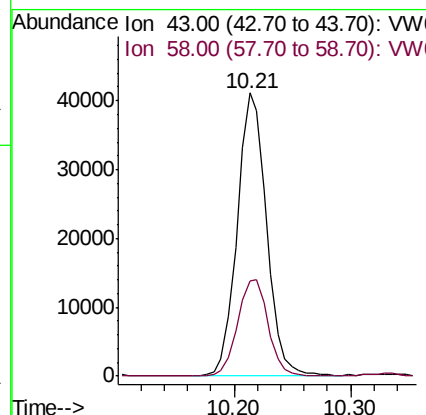
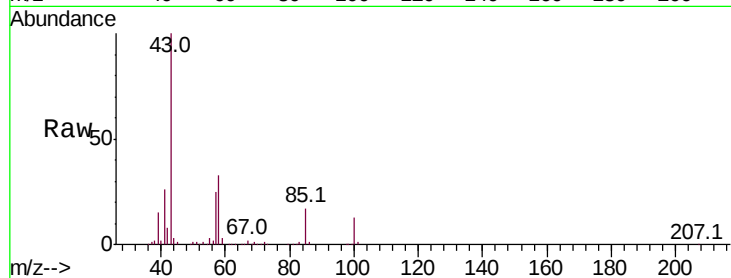




#51
4-Methyl-2-Pentanone
Concen: 55.042 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

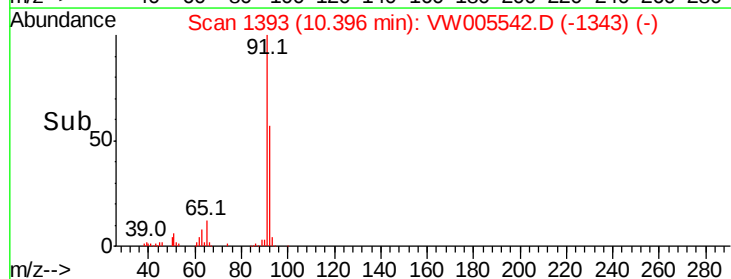
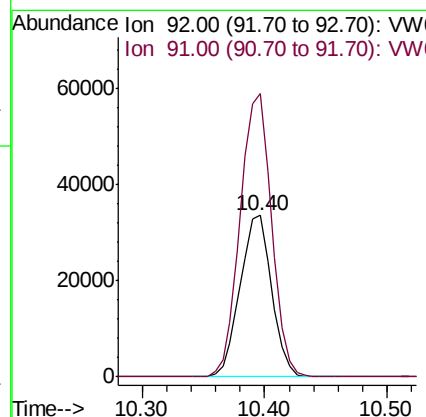
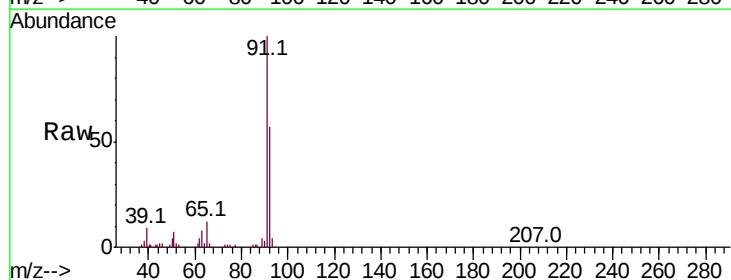
Instrument :
MSVOA_W
ClientSampled :

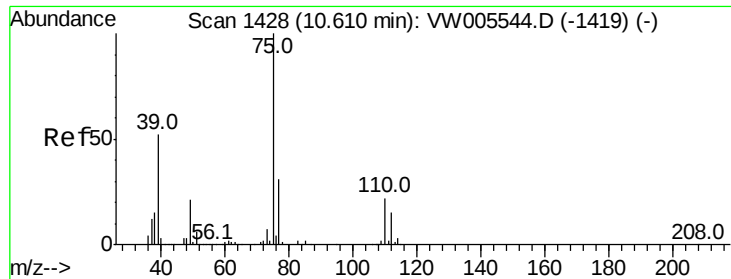
Tot Ion: 43 Resp: 72179
Ion Ratio Lower Upper
43 100
58 35.5 30.0 45.0



#52
Toluene
Concen: 9.685 ug/l
RT: 10.40 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 92 Resp: 60031
Ion Ratio Lower Upper
92 100
91 174.9 137.1 205.7

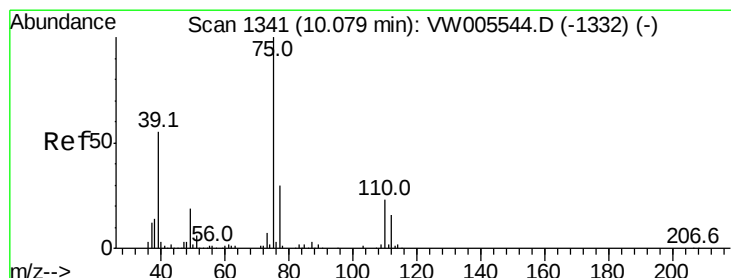
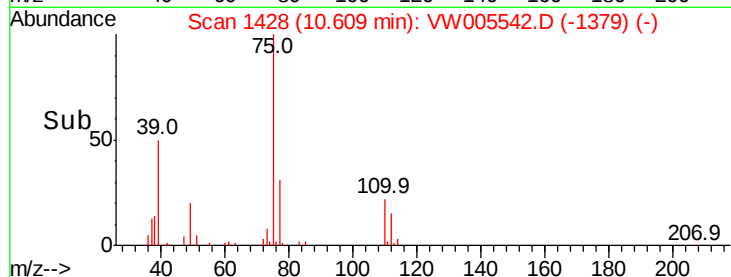
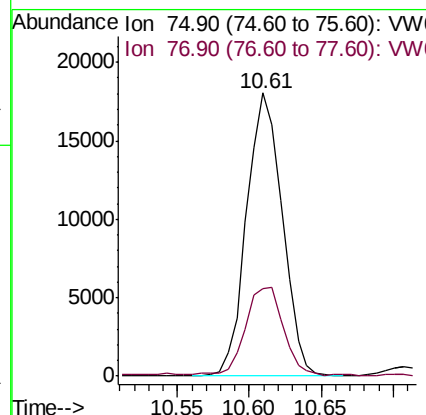
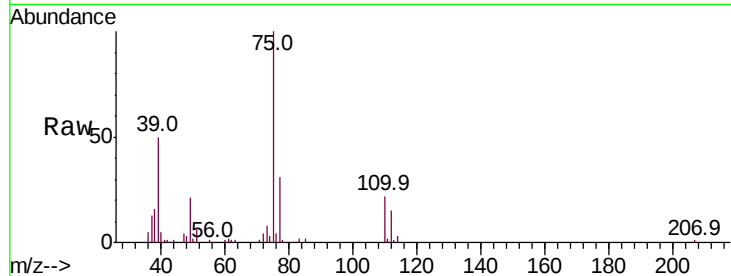




#53
 t-1,3-Dichloropropene
 Concen: 10.342 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

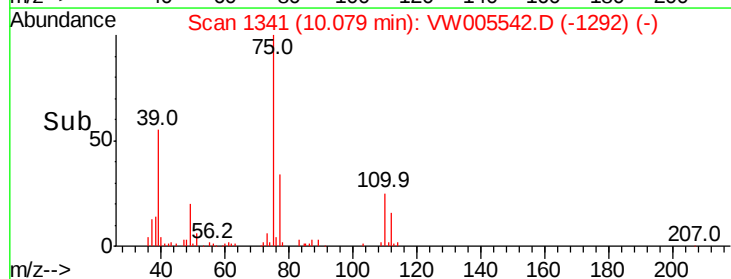
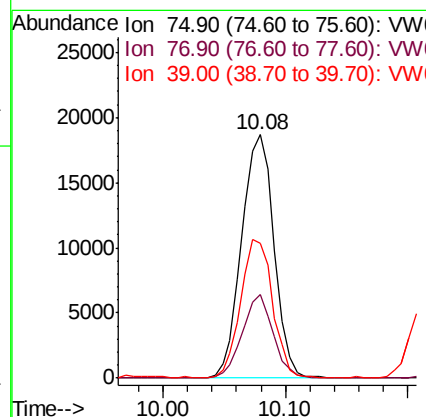
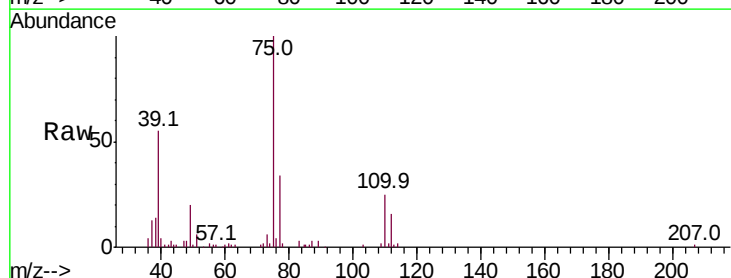
Instrument :
 MSVOA_W
 ClientSampled :

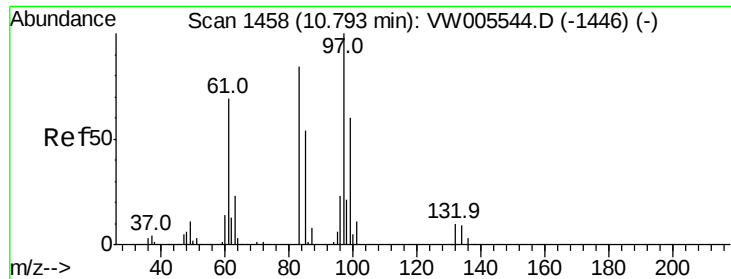
Tot Ion: 75 Resp: 30918
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 10.142 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Tgt Ion: 75 Resp: 34315
 Ion Ratio Lower Upper
 75 100
 77 34.1 24.3 36.5
 39 55.2 43.7 65.5





#55

1,1,2-Trichloroethane

Concen: 10.672 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

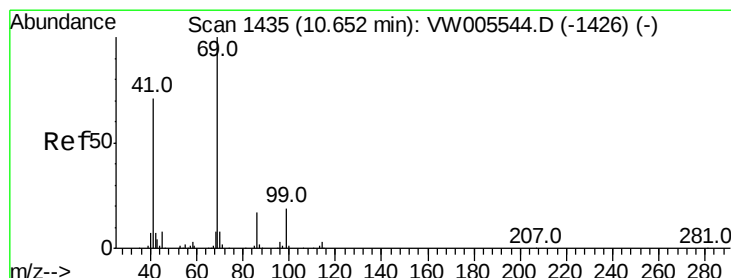
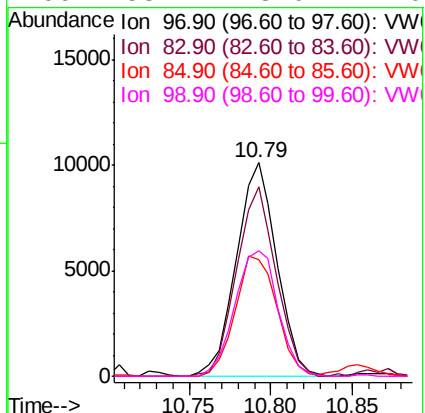
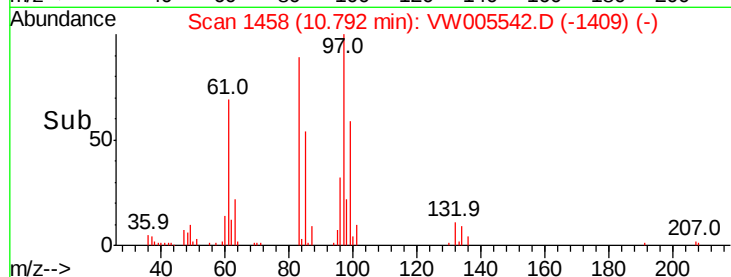
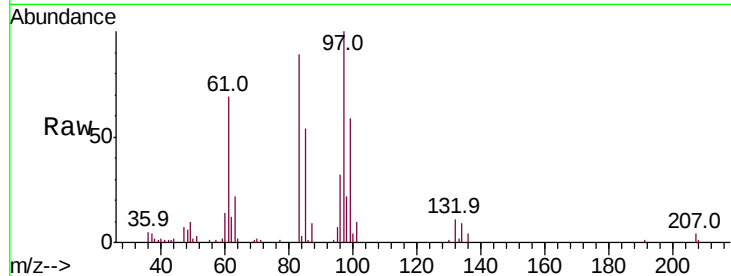
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 17420

Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.4	101.2
85	54.3	43.3	64.9
99	58.7	48.0	72.0



#56

Ethyl methacrylate

Concen: 9.485 ug/l

RT: 10.65 min Scan# 1435

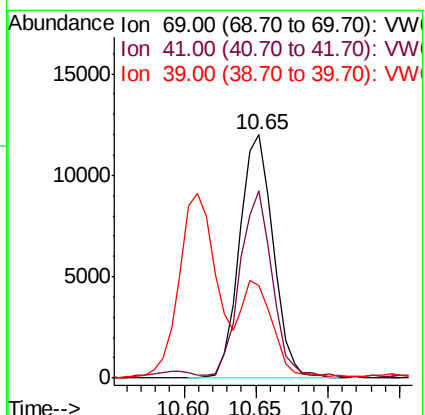
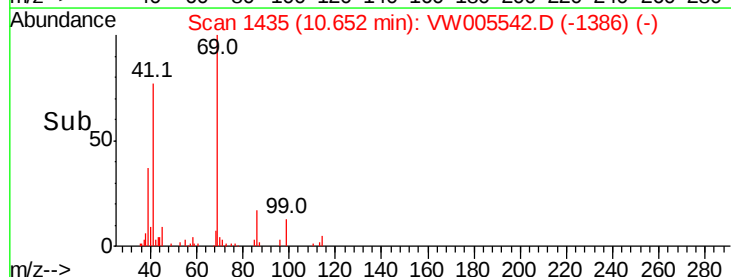
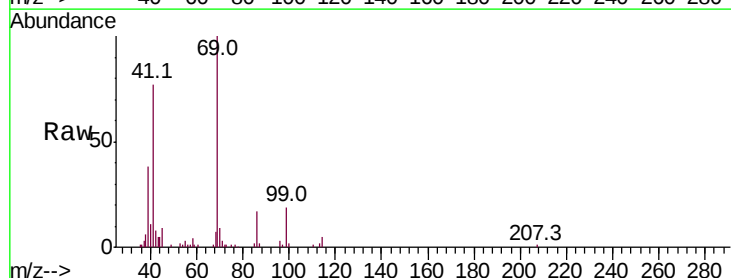
Delta R.T. -0.00 min

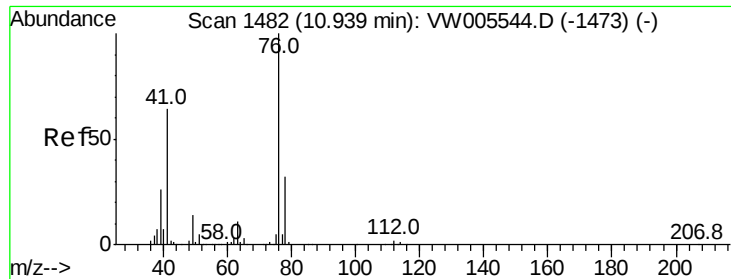
Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Tgt Ion: 69 Resp: 19380

Ion	Ratio	Lower	Upper
69	100		
41	74.2	57.3	85.9
39	36.3	29.2	43.8





#57

1,3-Dichloropropane

Concen: 10.799 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

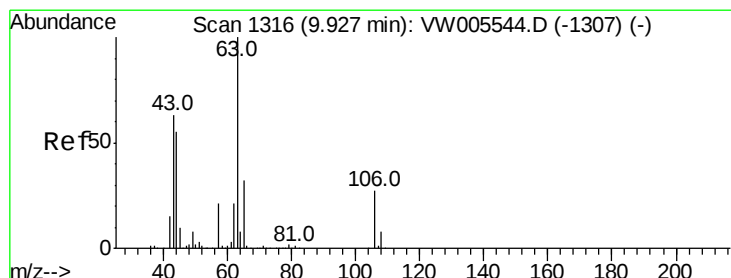
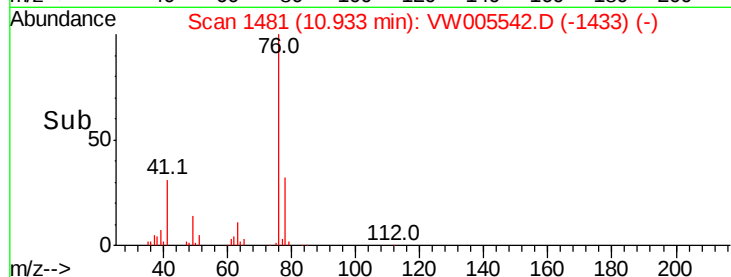
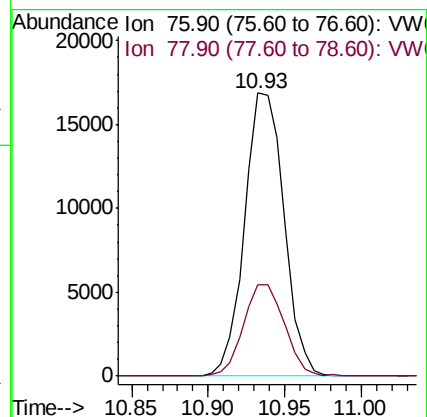
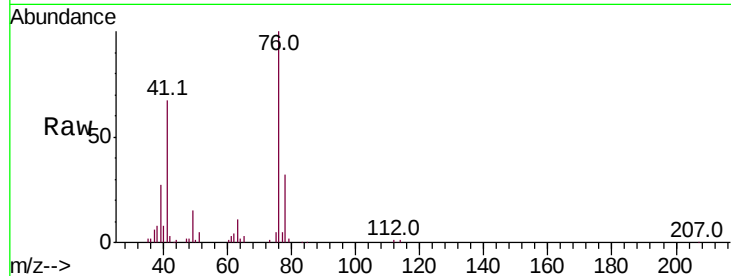
ClientSampled :

Tot Ion: 76 Resp: 30364

Ion Ratio Lower Upper

76 100

78 33.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 49.393 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW005542.D

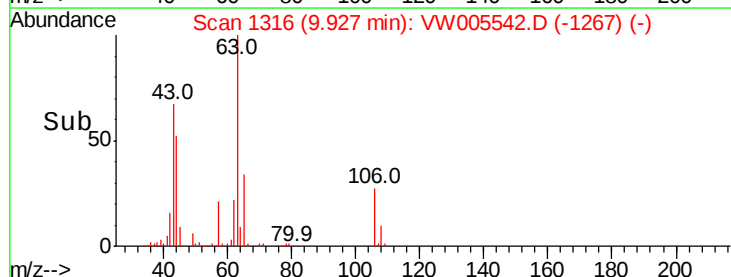
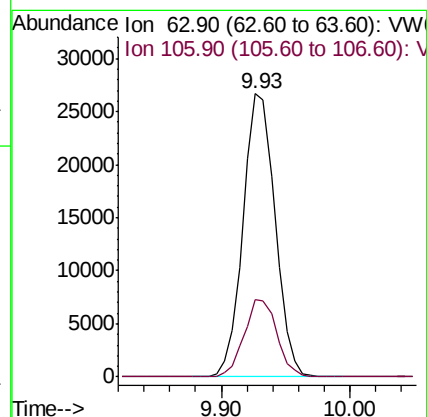
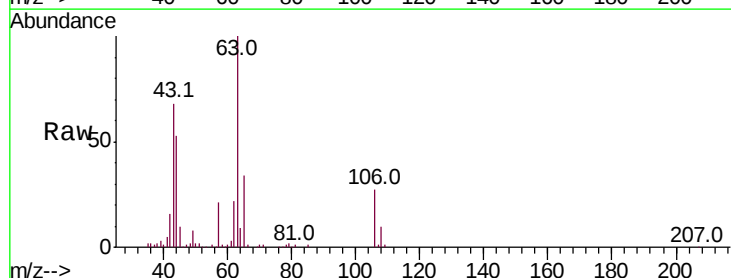
Acq: 20 Sep 2018 21:02

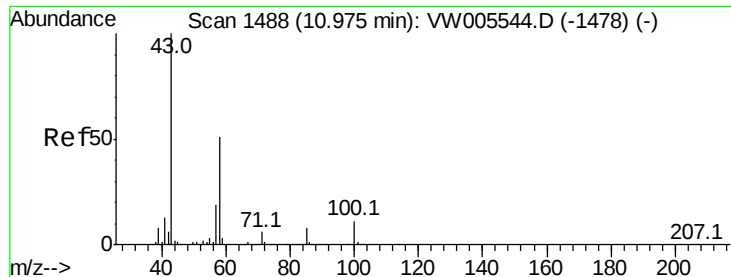
Tgt Ion: 63 Resp: 45900

Ion Ratio Lower Upper

63 100

106 27.9 21.6 32.4

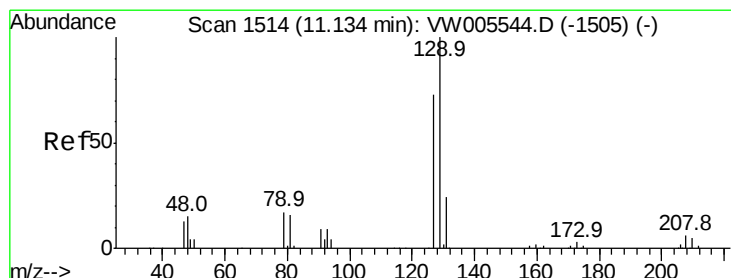
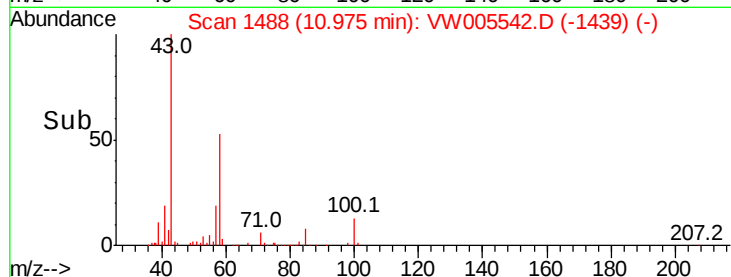
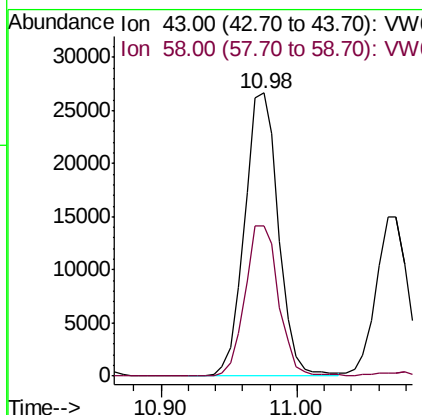
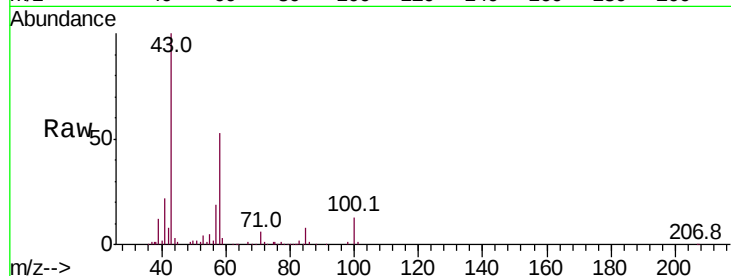




#59
2-Hexanone
Concen: 52.290 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

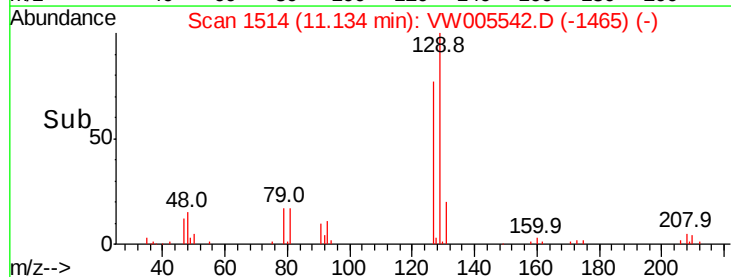
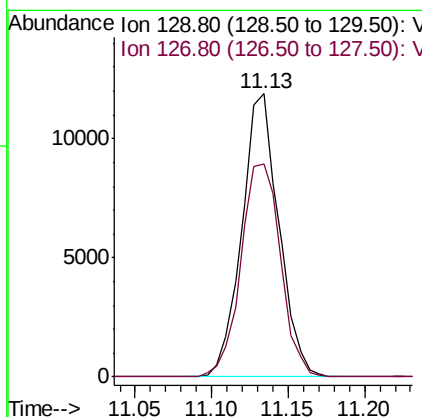
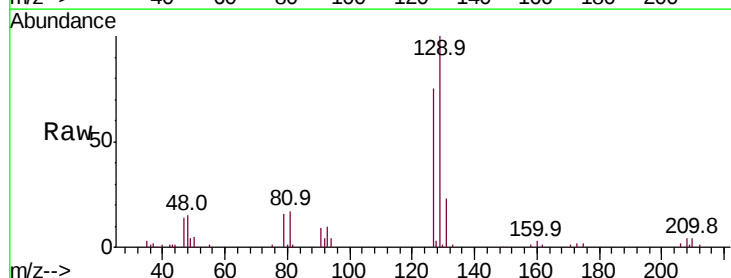
Instrument :
MSVOA_W
ClientSampled :

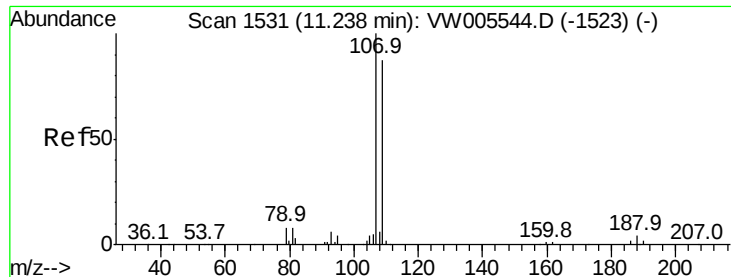
Tot Ion: 43 Resp: 46533
Ion Ratio Lower Upper
43 100
58 52.5 25.3 75.9



#60
Dibromochloromethane
Concen: 10.182 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion: 129 Resp: 19966
Ion Ratio Lower Upper
129 100
127 80.7 38.5 115.5

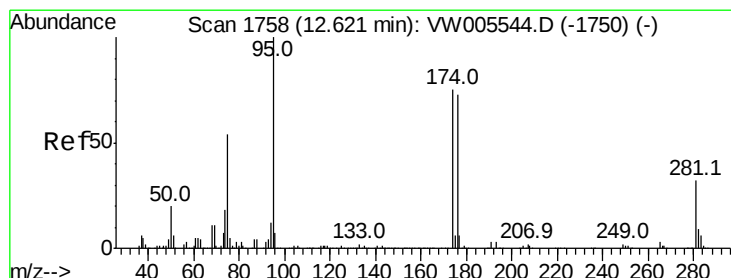
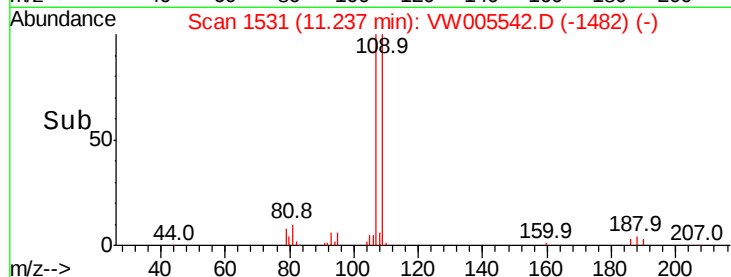
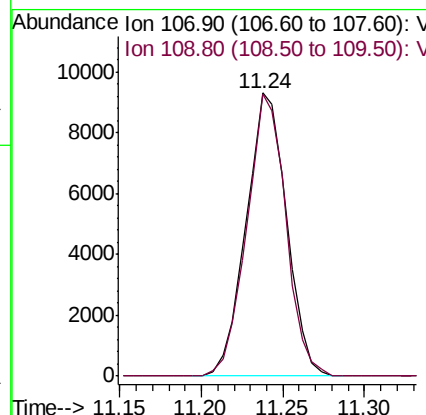
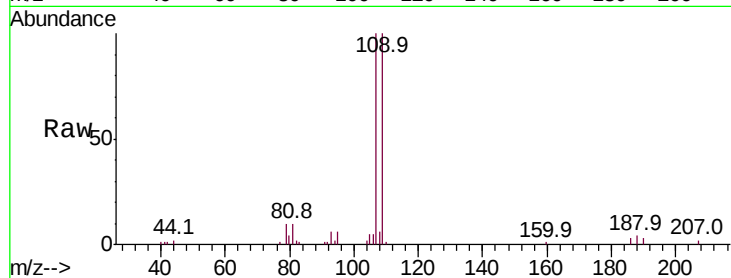




#61
 1,2-Dibromoethane
 Concen: 10.937 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

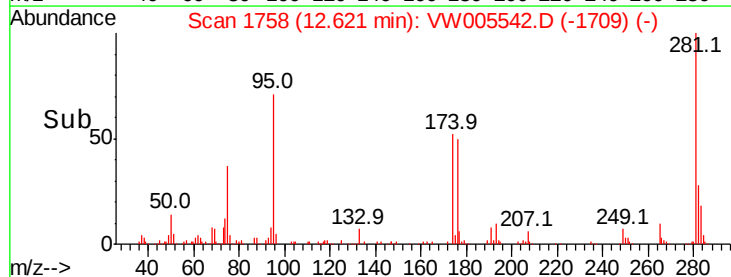
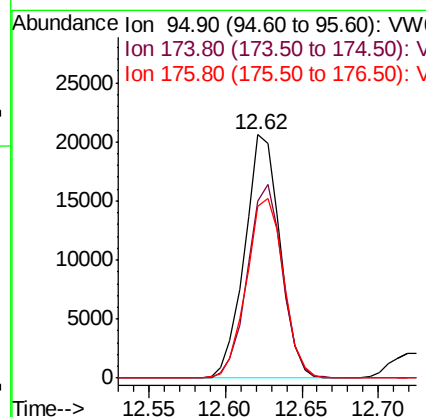
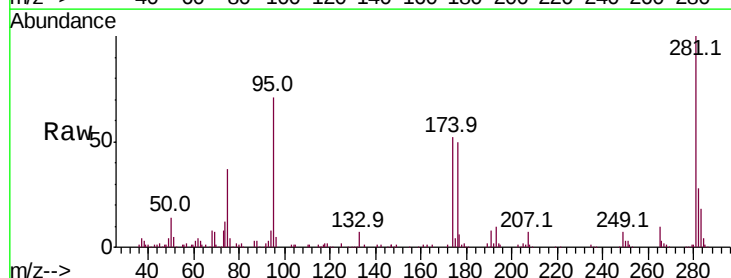
Instrument :
 MSVOA_W
 ClientSampleId :

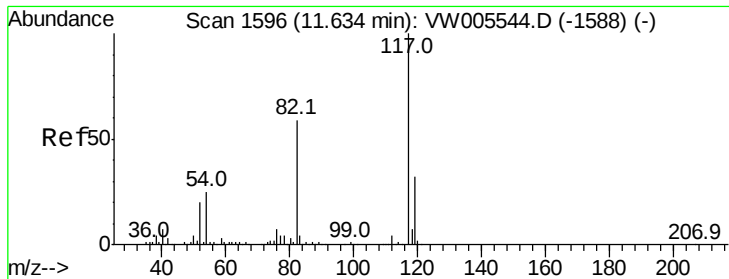
Tot Ion:107 Resp: 16065
 Ion Ratio Lower Upper
 107 100
 109 96.2 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 10.445 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Tgt Ion: 95 Resp: 33082
 Ion Ratio Lower Upper
 95 100
 174 78.6 0.0 163.8
 176 77.5 0.0 158.0

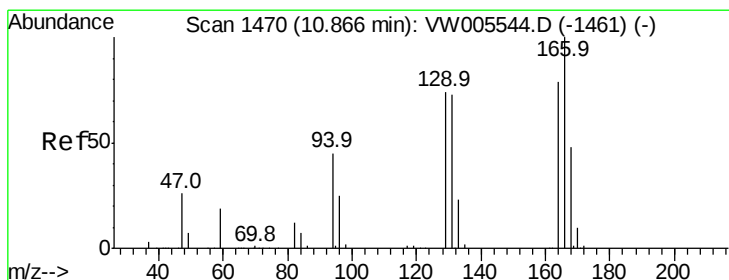
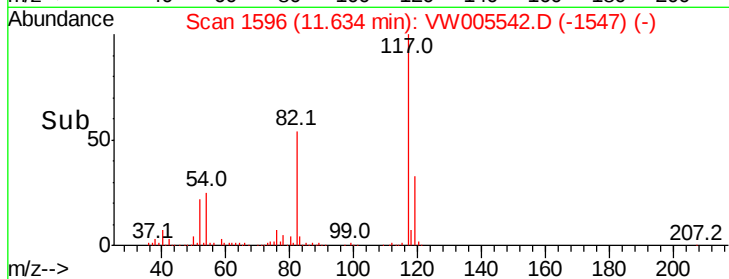
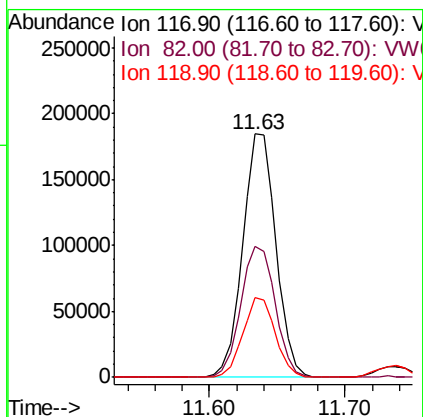
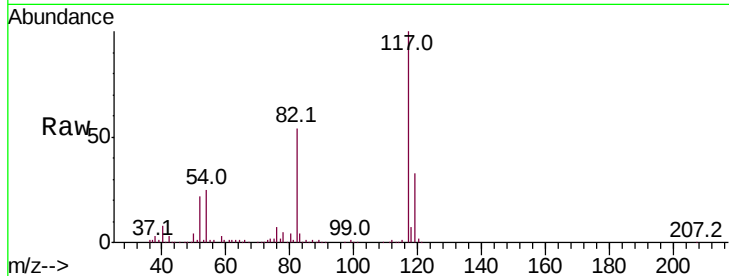




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

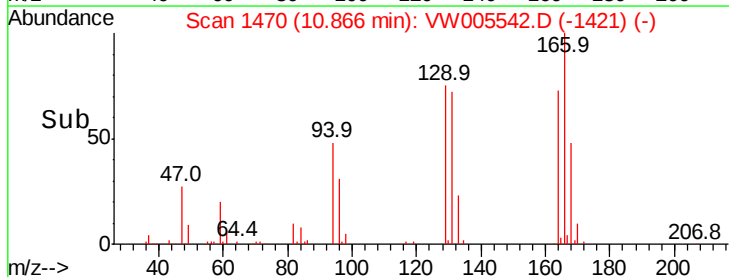
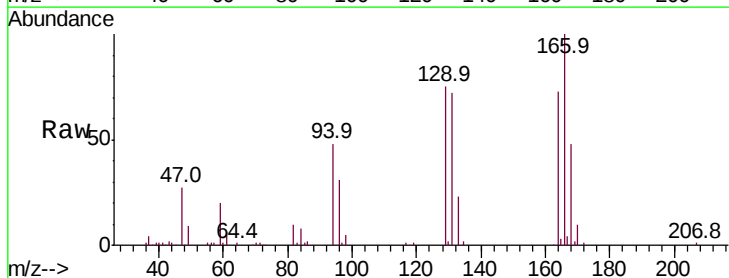
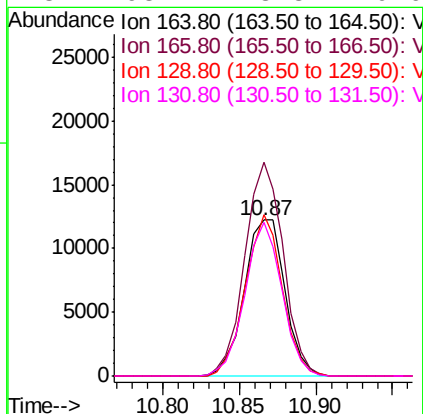
Instrument :
MSVOA_W
ClientSampleId :

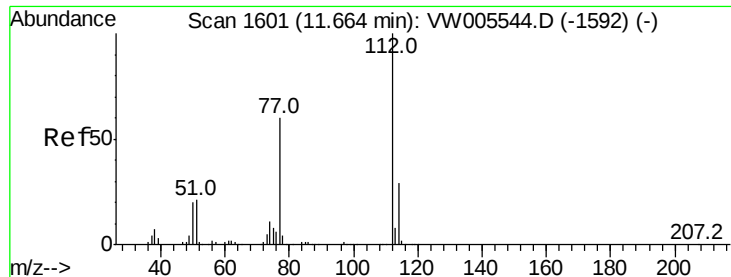
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	46.9	70.3
119	32.9	25.7	38.5



#64
Tetrachloroethene
Concen: 9.806 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	137.0	101.1	151.7
129	103.1	74.4	111.6
131	98.1	73.8	110.6





#65

Chlorobenzene

Concen: 10.079 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

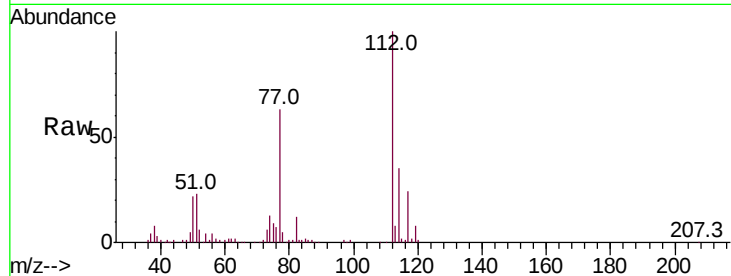
ClientSampleId :

Tot Ion:112 Resp: 67586

Ion Ratio Lower Upper

112 100

114 35.0 22.9 34.3#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

40000

30000

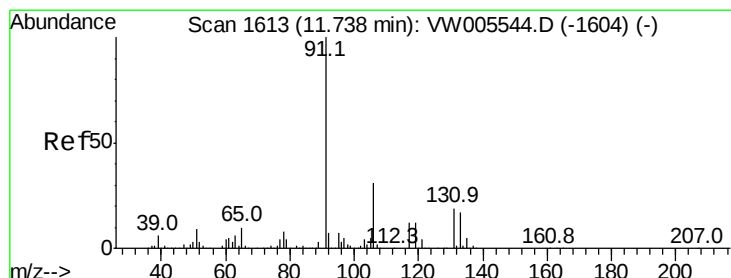
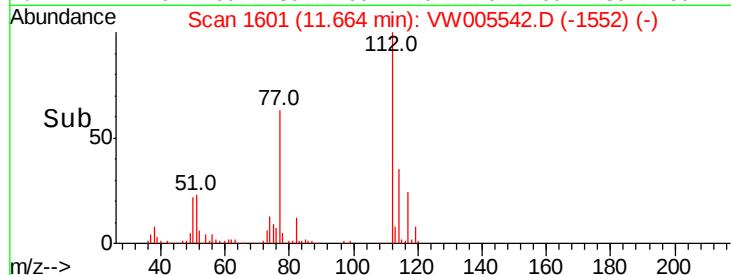
20000

10000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 10.910 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

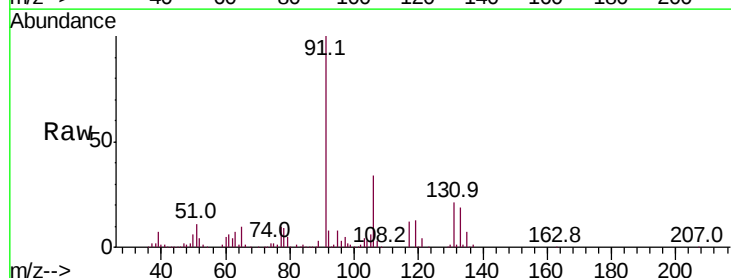
Tgt Ion:131 Resp: 23911

Ion Ratio Lower Upper

131 100

133 96.1 47.2 141.6

119 63.0 31.1 93.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

50000

40000

30000

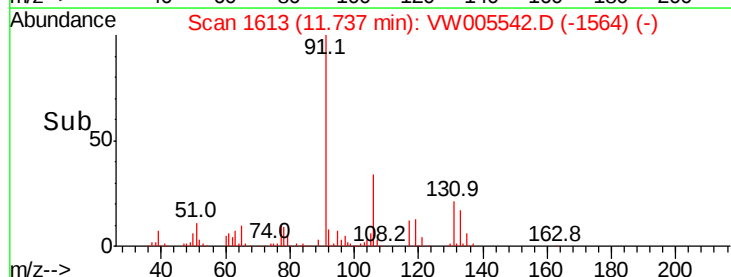
20000

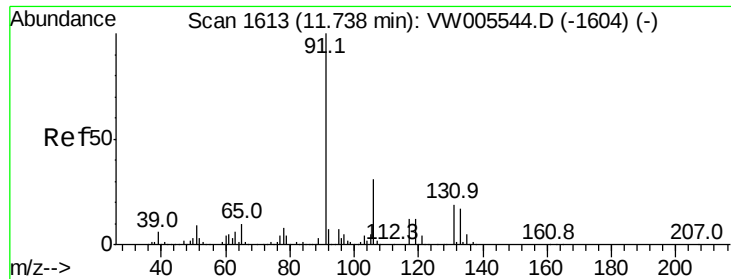
10000

0

Time-->

11.65 11.70 11.75 11.80

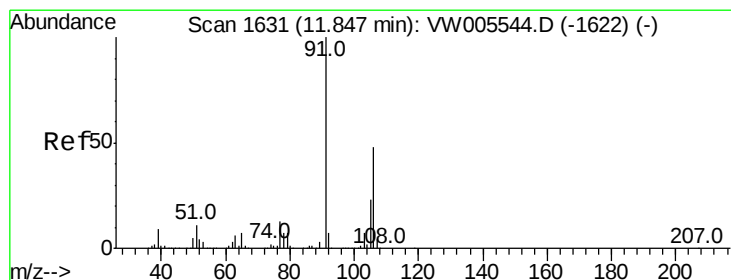
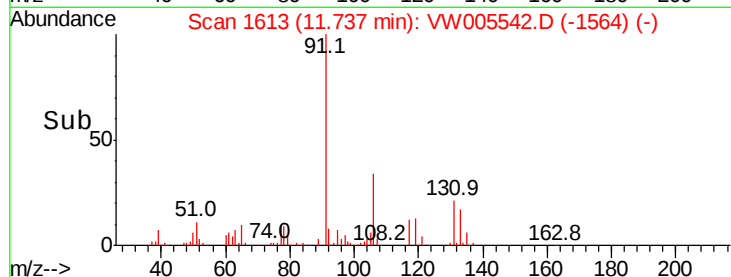
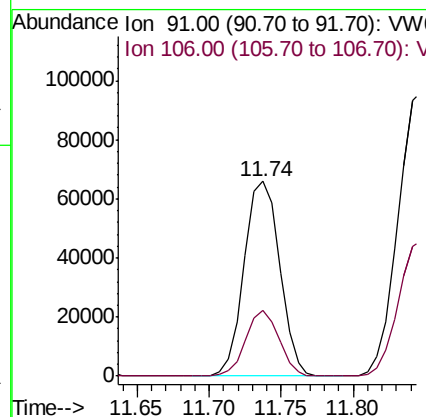
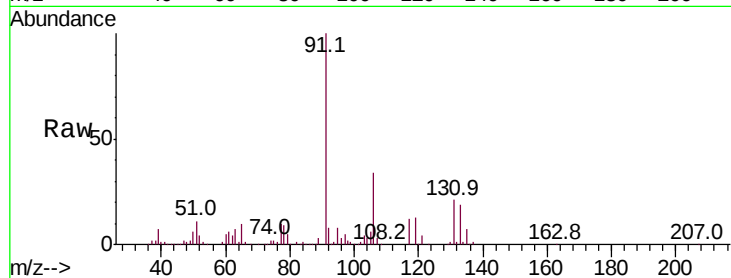




#67
Ethyl Benzene
Concen: 9.615 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

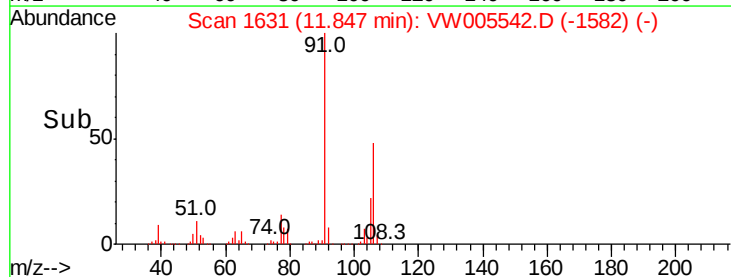
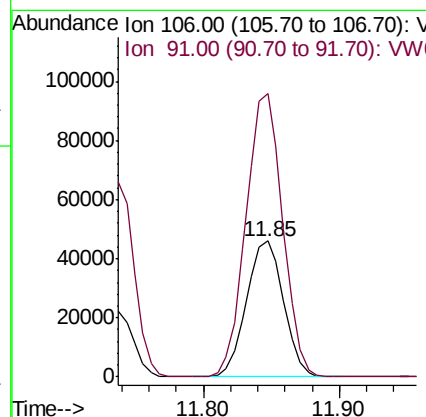
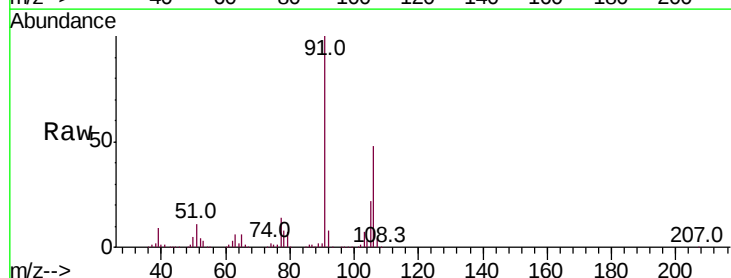
Instrument :
MSVOA_W
ClientSampleId :

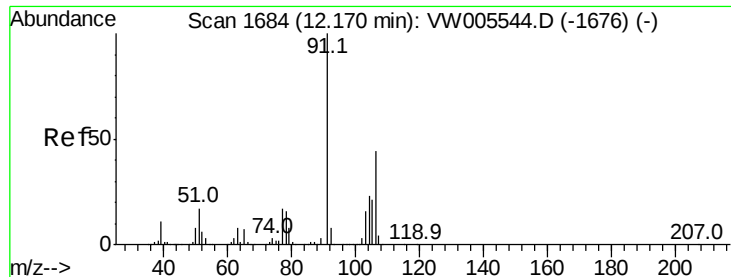
Tot Ion: 91 Resp: 113422
Ion Ratio Lower Upper
91 100
106 34.1 24.4 36.6



#68
m/p-Xylenes
Concen: 19.387 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion:106 Resp: 87817
Ion Ratio Lower Upper
106 100
91 207.0 167.8 251.8

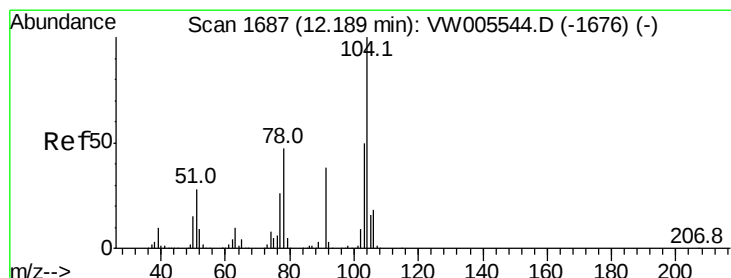
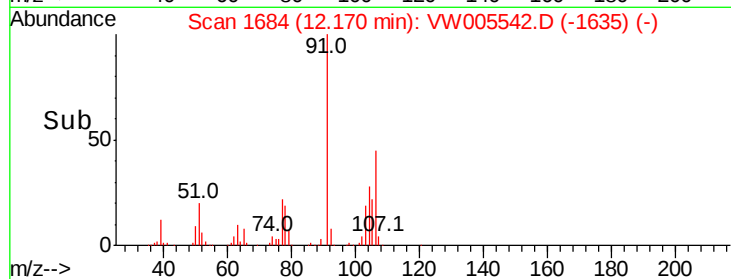
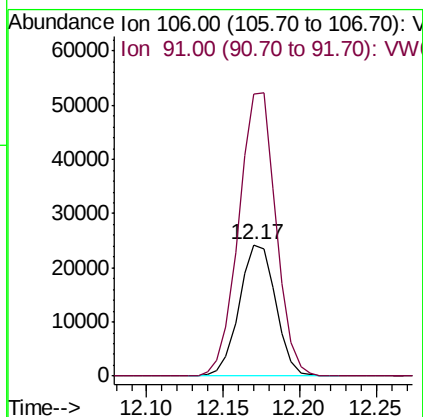
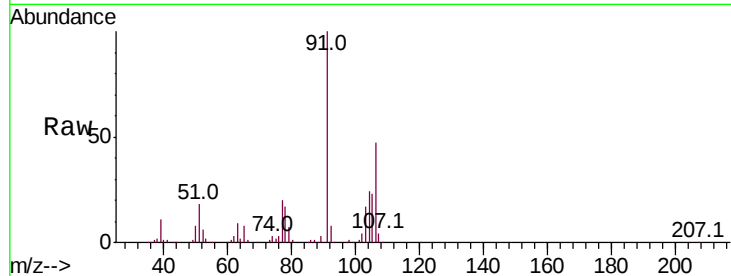




#69
o-Xylene
Concen: 9.535 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

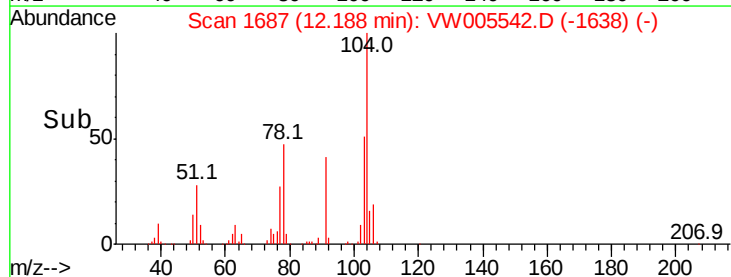
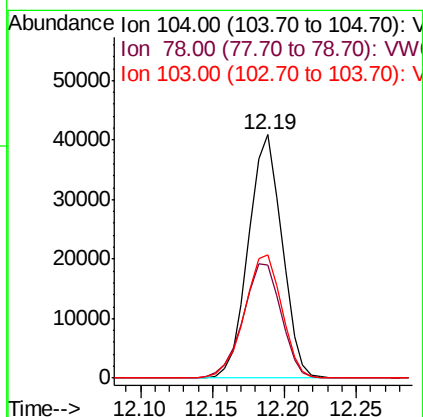
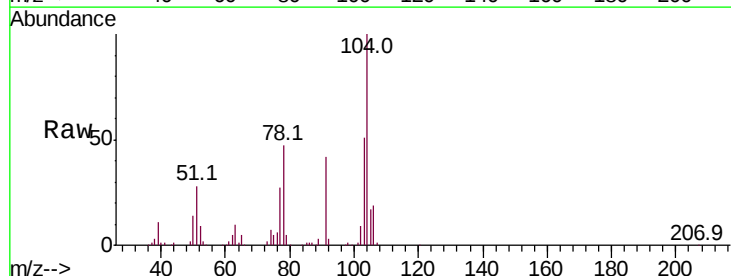
Instrument :
MSVOA_W
ClientSampled :

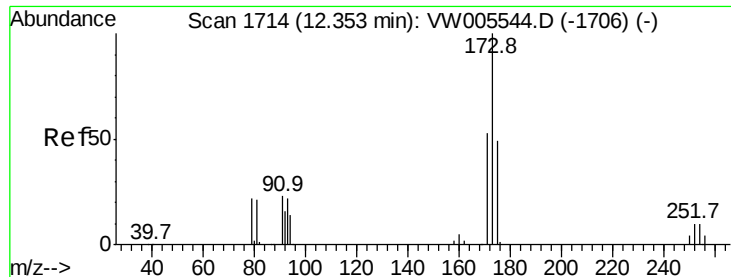
Tot Ion:106 Resp: 40206
Ion Ratio Lower Upper
106 100
91 219.9 111.0 333.0



#70
Styrene
Concen: 9.477 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion:104 Resp: 66213
Ion Ratio Lower Upper
104 100
78 53.4 42.2 63.4
103 56.4 44.6 66.8

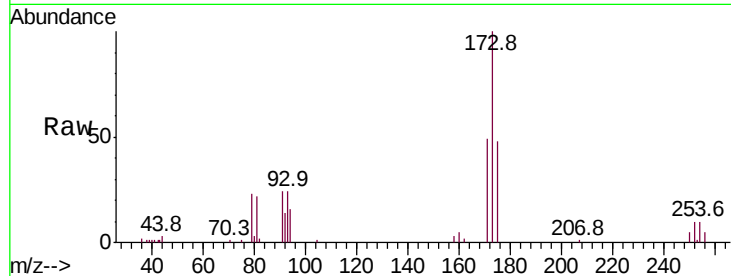




#71
Bromoform
Concen: 10.735 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.0	0.1	0.1#

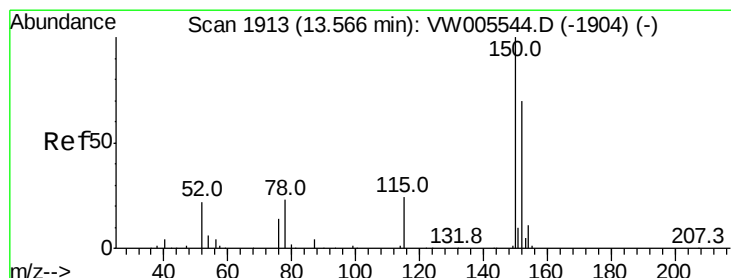
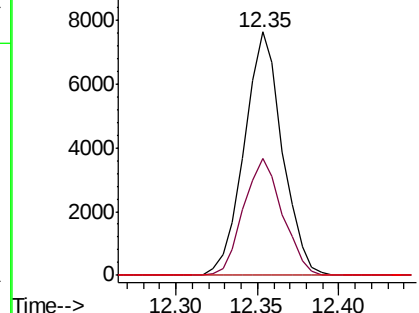
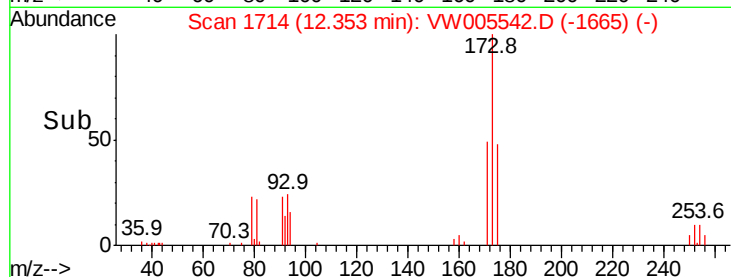


Abundance

Ion 172.70 (172.40 to 173.40): V

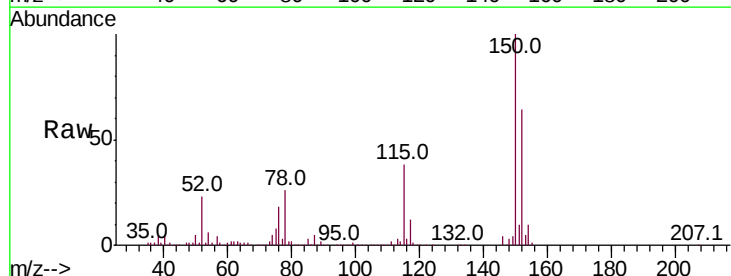
Ion 174.70 (174.40 to 175.40): V

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: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.0	90.0
150	159.4	0.0	348.6

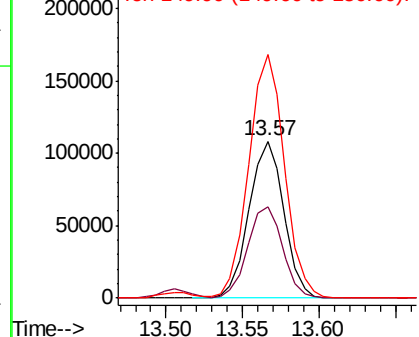
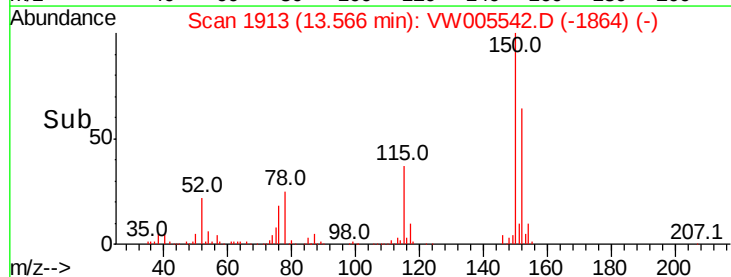


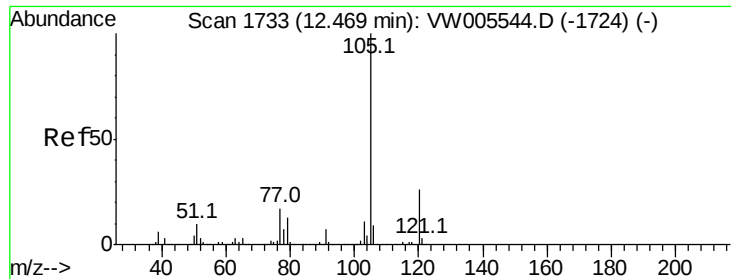
Abundance

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: 9.424 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

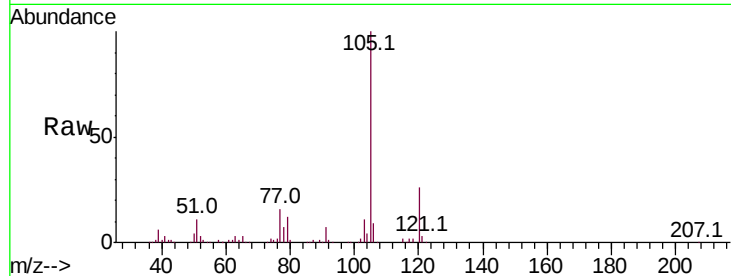
ClientSampleId :

Tot Ion:105 Resp: 113668

Ion Ratio Lower Upper

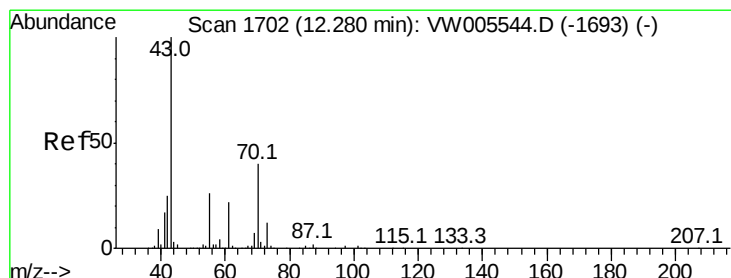
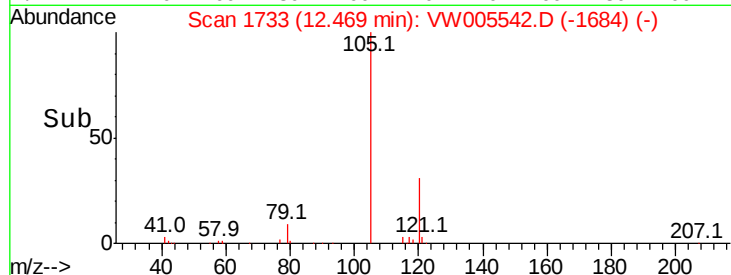
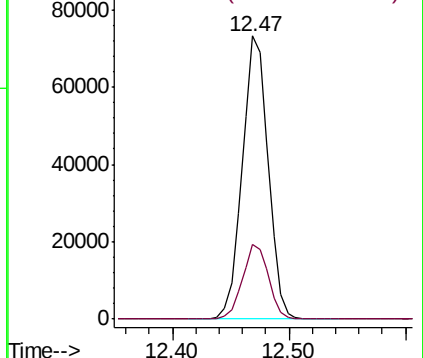
105 100

120 26.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.053 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Tgt Ion: 43 Resp: 25711

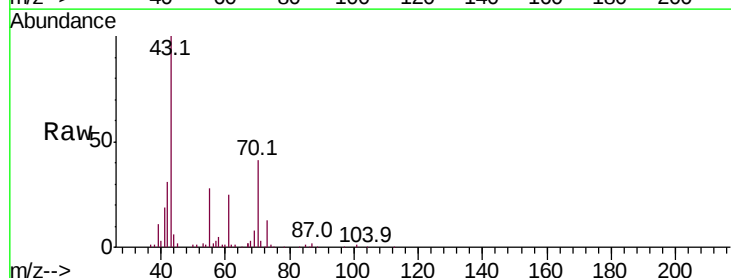
Ion Ratio Lower Upper

43 100

70 40.9 31.4 47.0

55 28.2 20.9 31.3

61 22.8 17.8 26.6

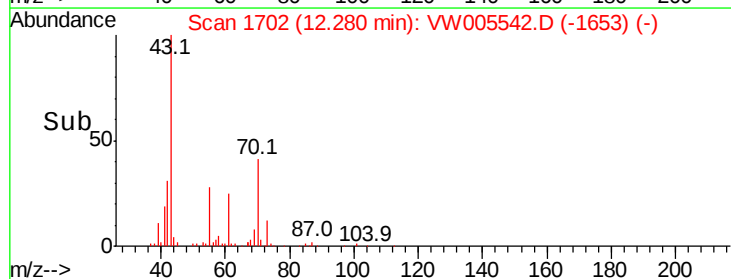
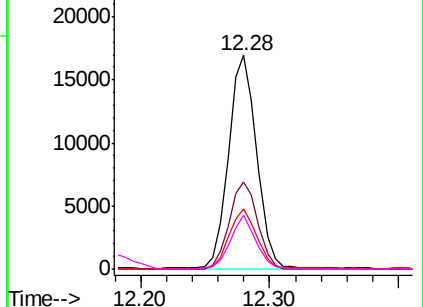


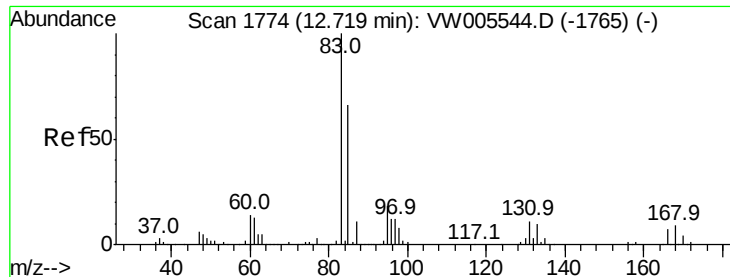
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 11.070 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

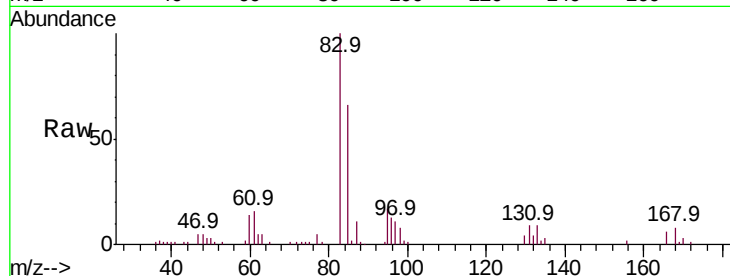
Tot Ion: 83 Resp: 19882

Ion Ratio Lower Upper

83 100

131 11.8 5.5 16.7

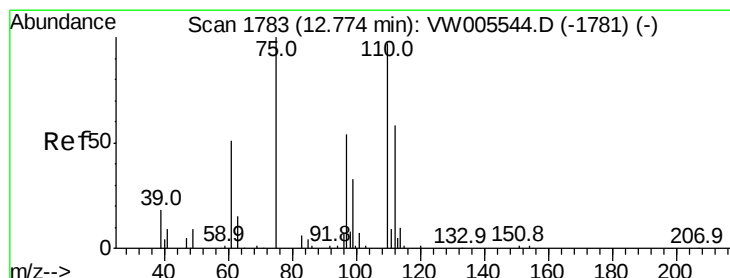
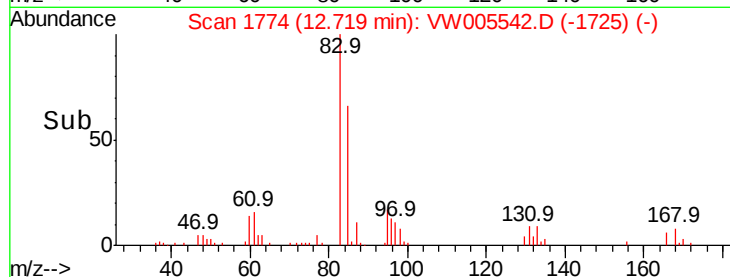
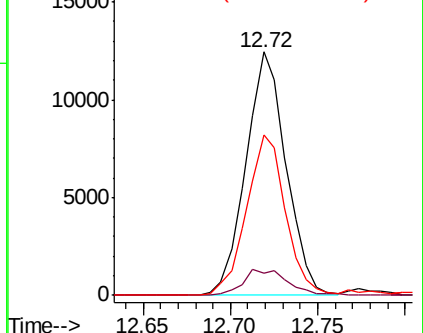
85 63.8 32.4 97.0



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: 19.699 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005542.D

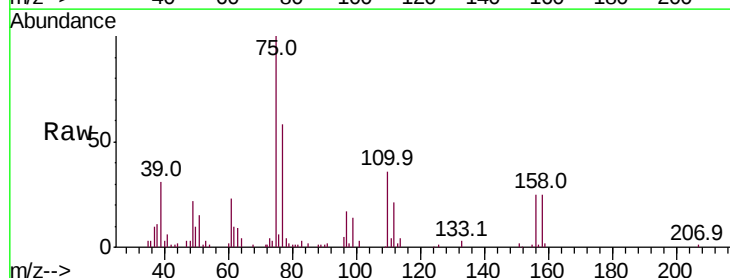
Acq: 20 Sep 2018 21:02

Tgt Ion: 75 Resp: 28110

Ion Ratio Lower Upper

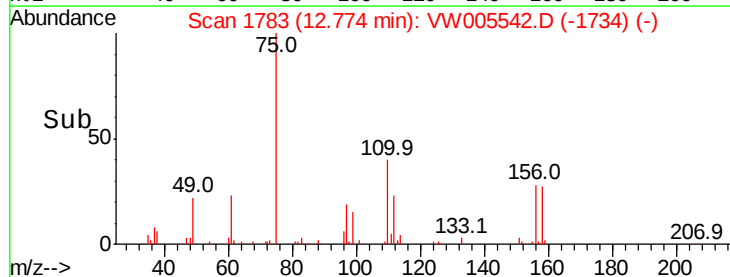
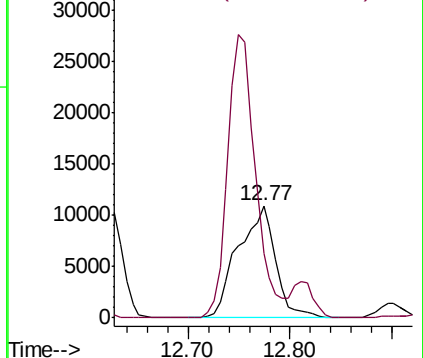
75 100

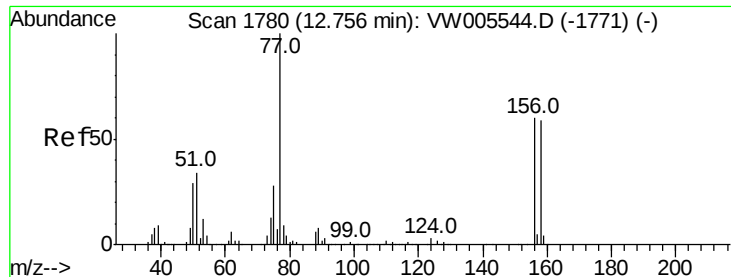
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.754 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

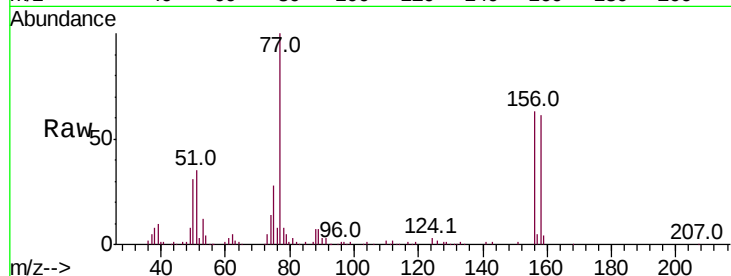
Tot Ion:156 Resp: 27727

Ion Ratio Lower Upper

156 100

77 187.8 94.7 284.1

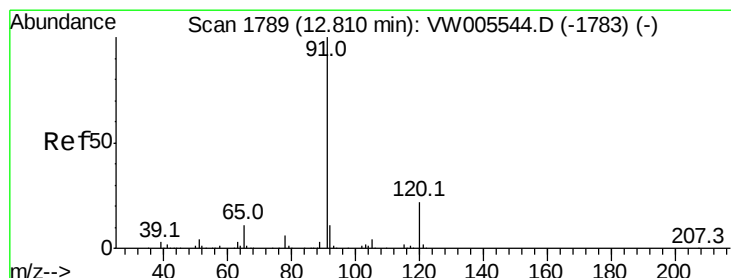
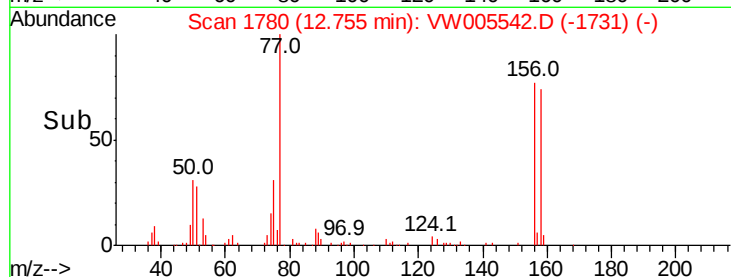
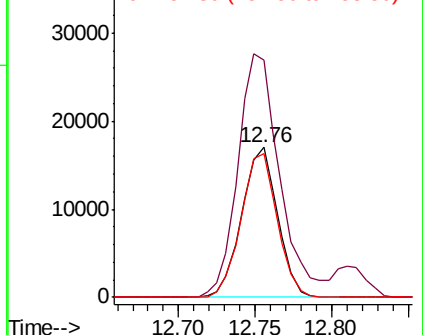
158 96.6 48.0 144.2



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: 9.659 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005542.D

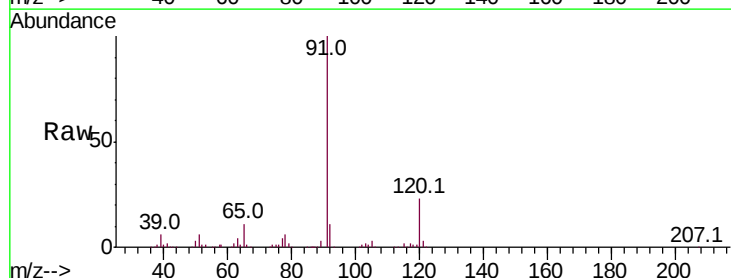
Acq: 20 Sep 2018 21:02

Tgt Ion: 91 Resp: 140549

Ion Ratio Lower Upper

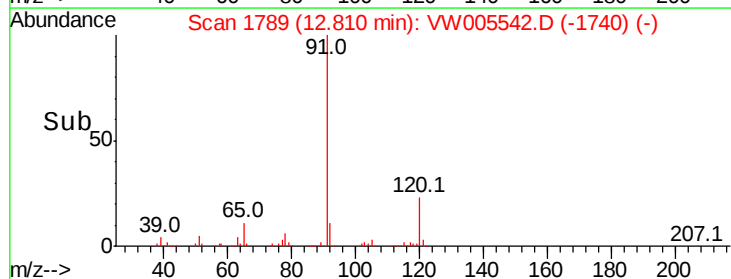
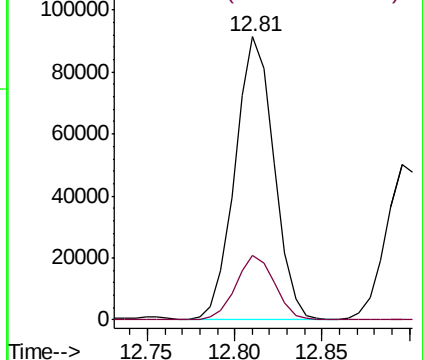
91 100

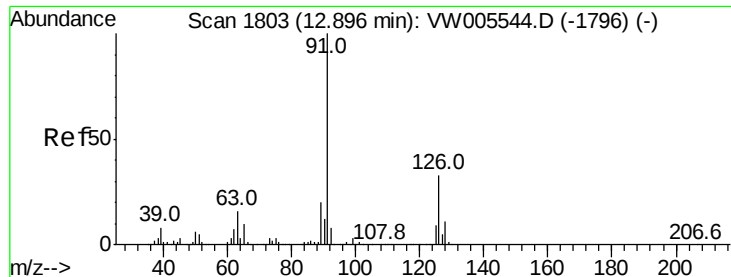
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

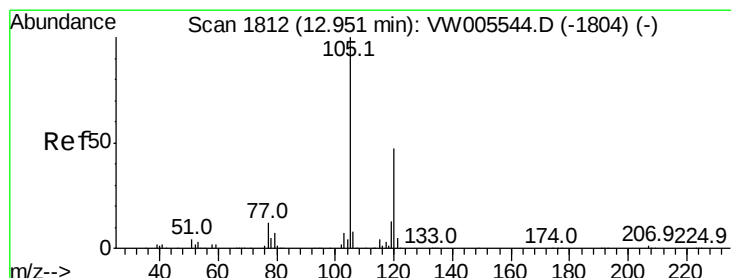
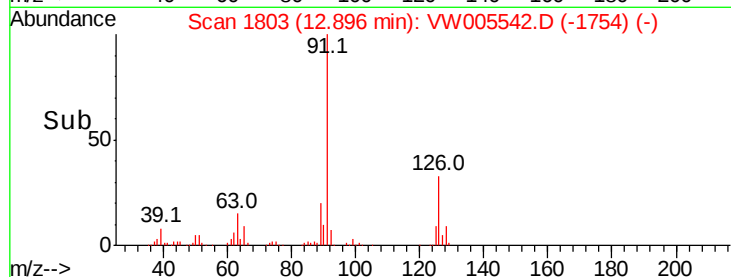
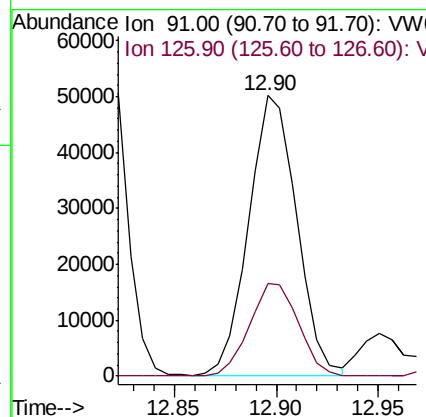
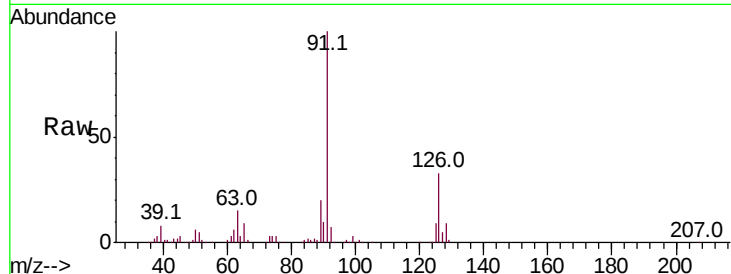




#79
 2-Chlorotoluene
 Concen: 9.602 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

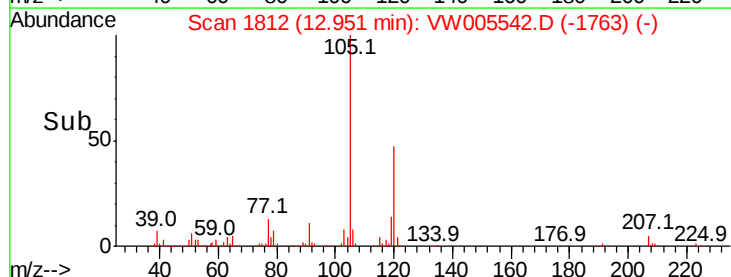
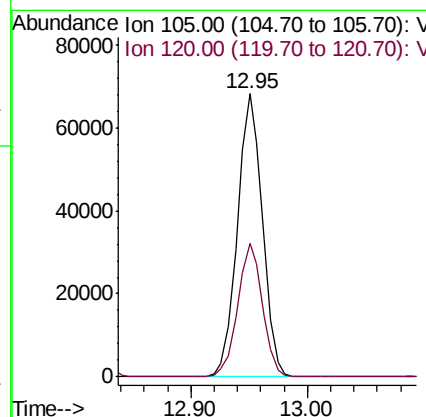
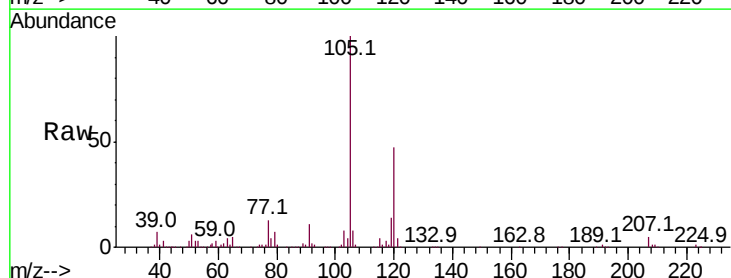
Instrument :
 MSVOA_W
 ClientSampleId :

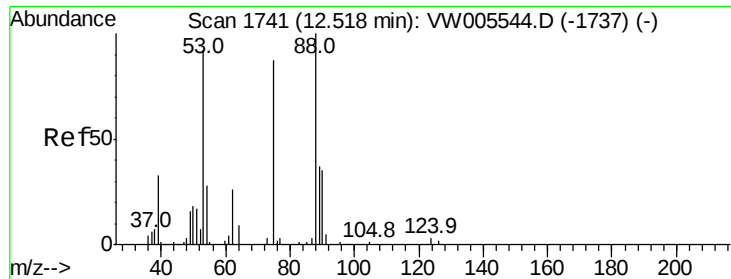
Tot Ion: 91 Resp: 82134
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 9.703 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Tgt Ion:105 Resp: 101818
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 11.214 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

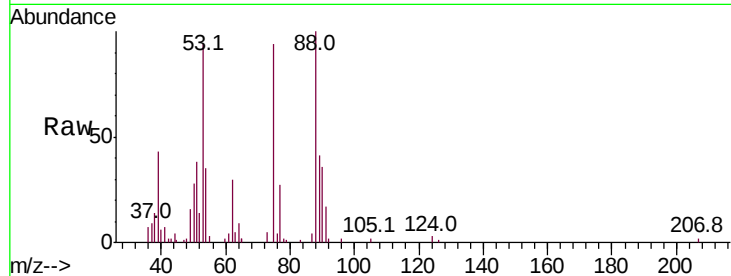
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 75 Resp: 6276

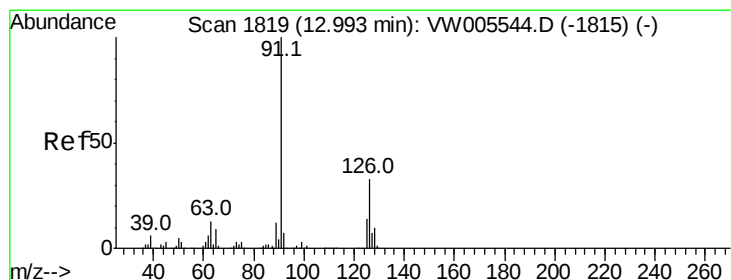
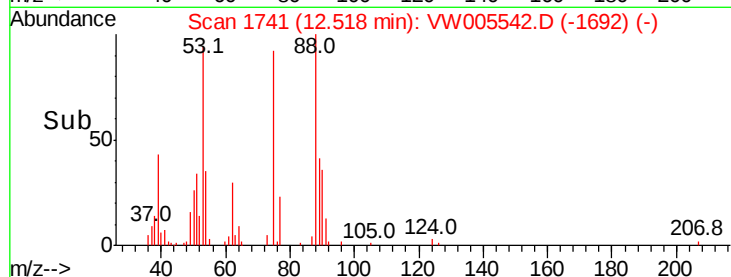
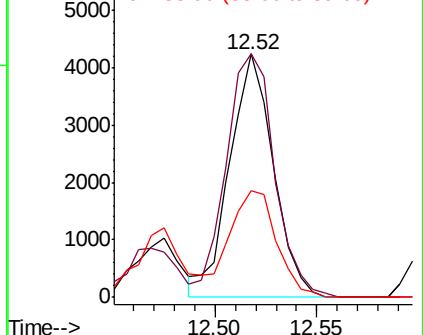
Ion	Ratio	Lower	Upper
75	100		
53	111.1	85.8	128.6
89	47.6	37.3	55.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 9.608 ug/l

RT: 13.00 min Scan# 1820

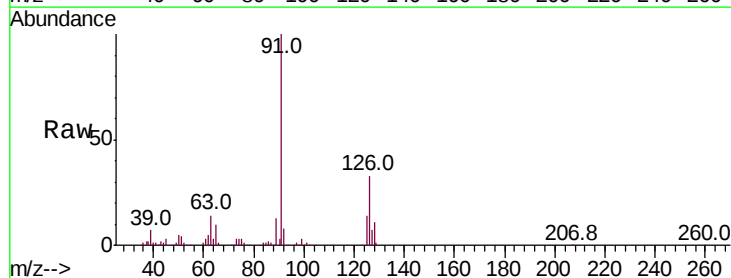
Delta R.T. 0.01 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

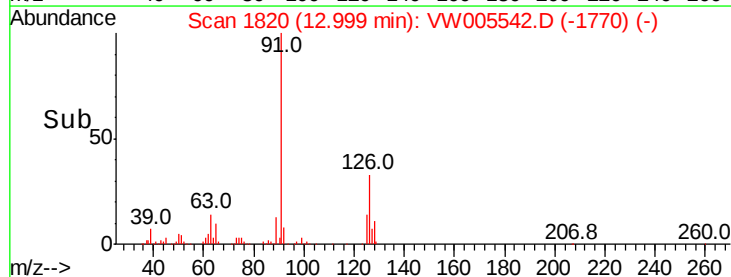
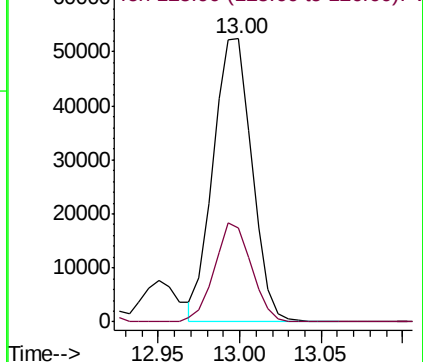
Tgt Ion: 91 Resp: 86827

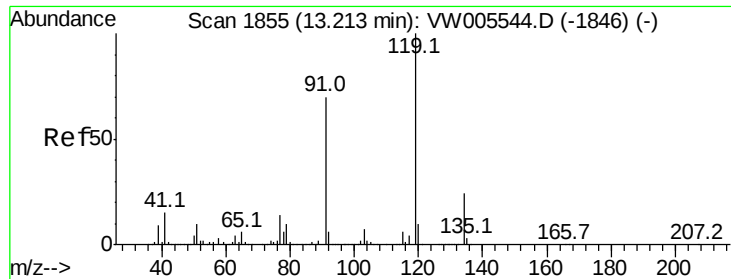
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.4	49.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

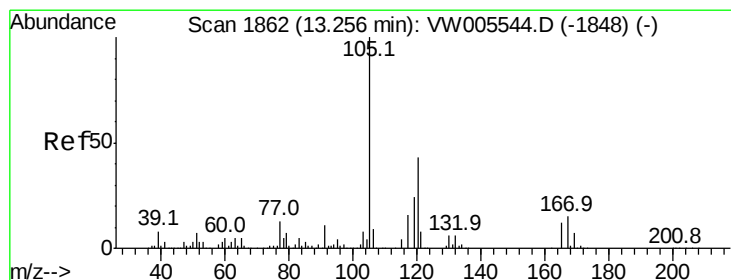
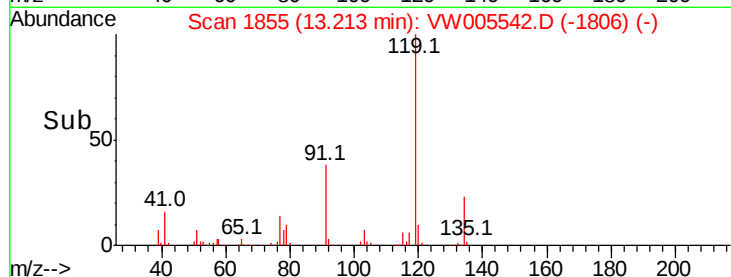
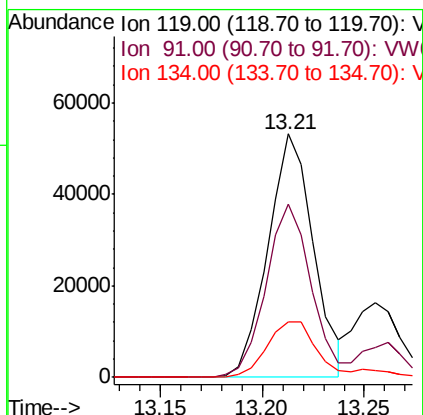
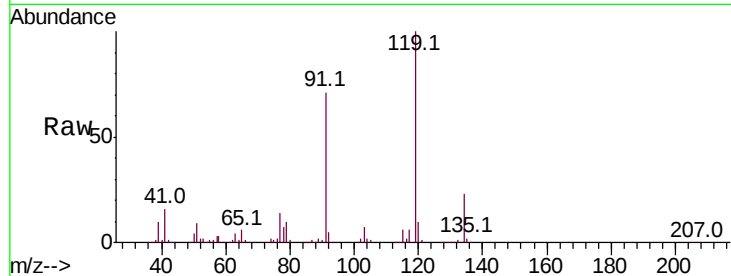




#83
tert-Butylbenzene
Concen: 9.497 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

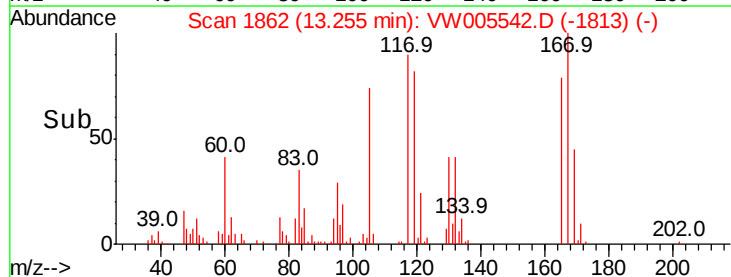
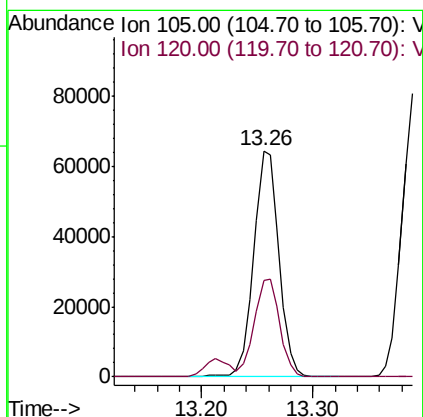
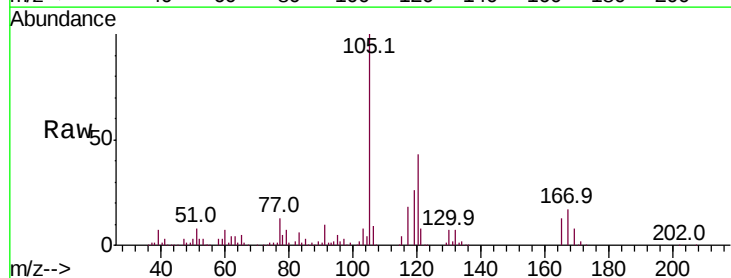
Instrument :
MSVOA_W
ClientSampleId :

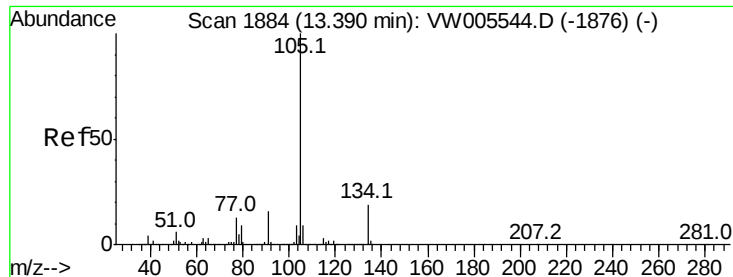
Tot Ion:119 Resp: 82891
Ion Ratio Lower Upper
119 100
91 71.1 34.6 103.8
134 24.8 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 9.544 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion:105 Resp: 101770
Ion Ratio Lower Upper
105 100
120 43.7 21.5 64.5

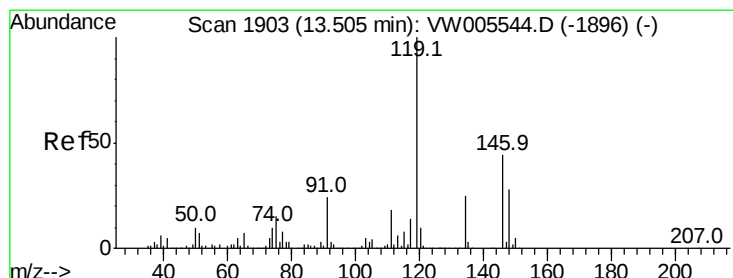
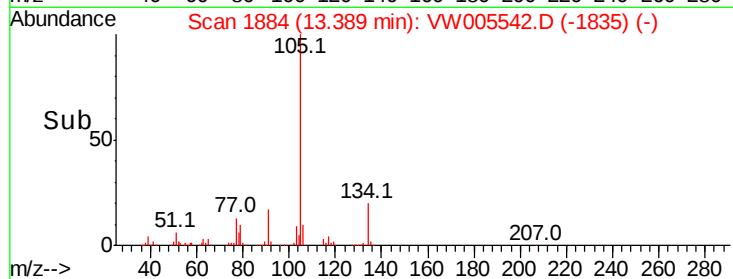
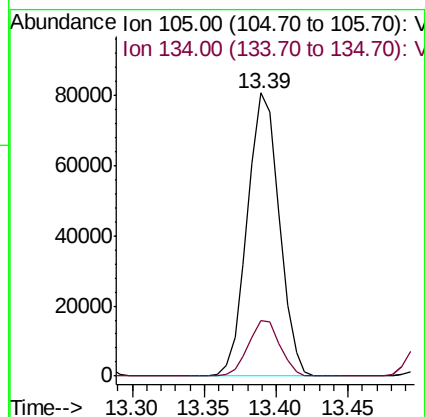
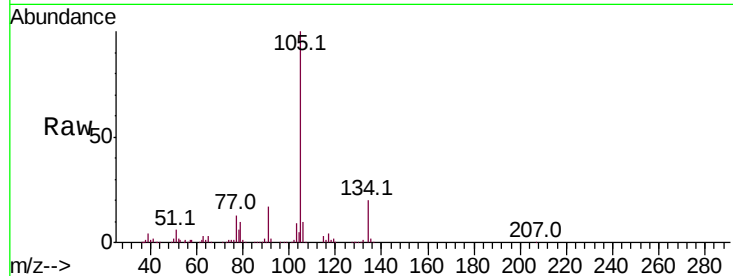




#85
 sec-Butylbenzene
 Concen: 9.838 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

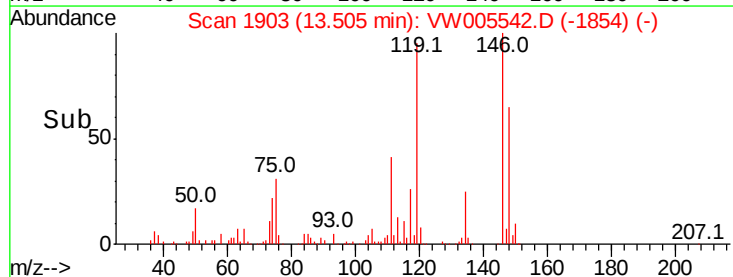
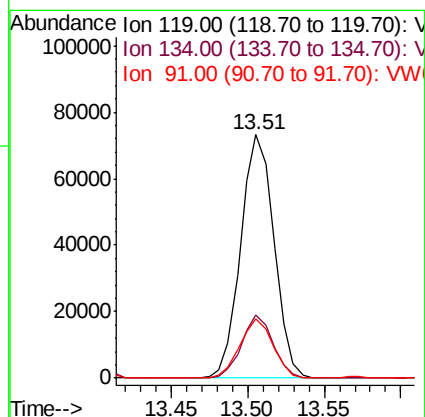
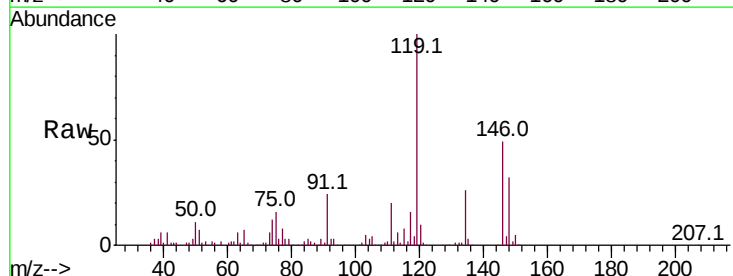
Instrument :
 MSVOA_W
 ClientSampleId :

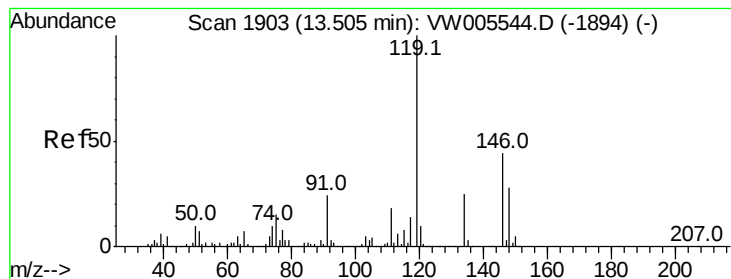
Tot Ion:105 Resp: 124081
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 9.815 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Tgt Ion:119 Resp: 110771
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.7 38.1
 91 24.5 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 10.094 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

ClientSampled :

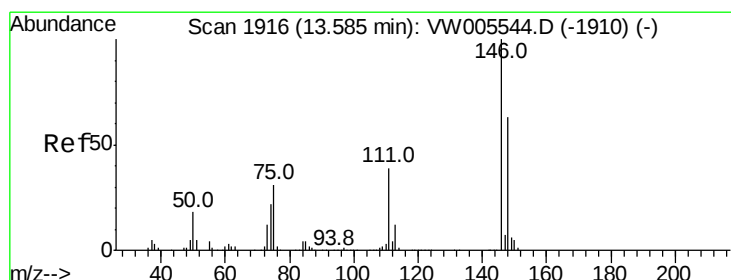
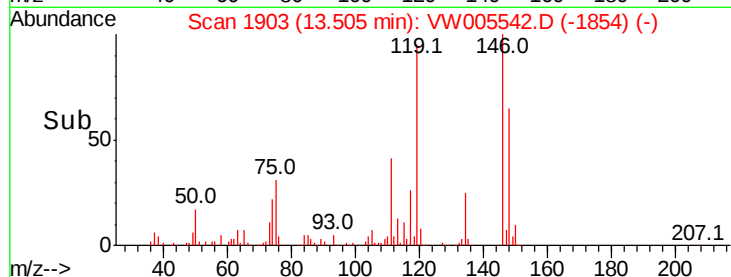
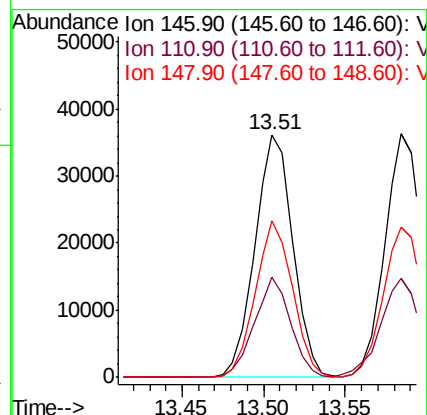
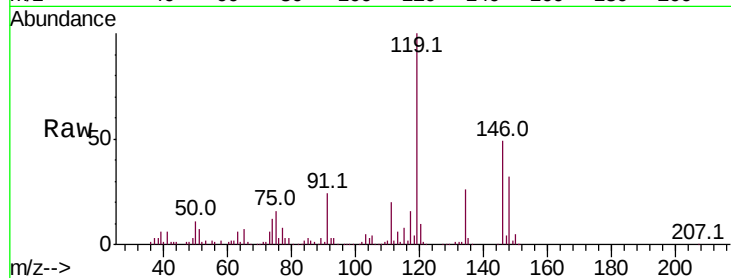
Tot Ion:146 Resp: 58273

Ion Ratio Lower Upper

146 100

111 39.7 20.3 60.9

148 63.5 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 10.173 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

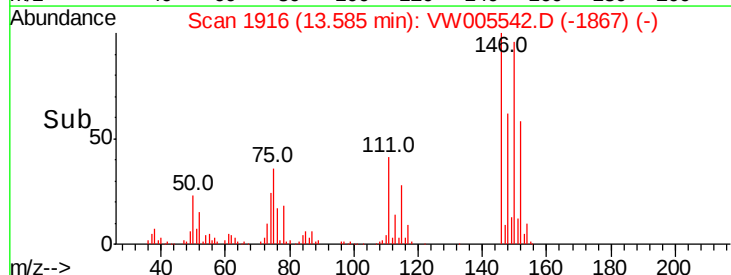
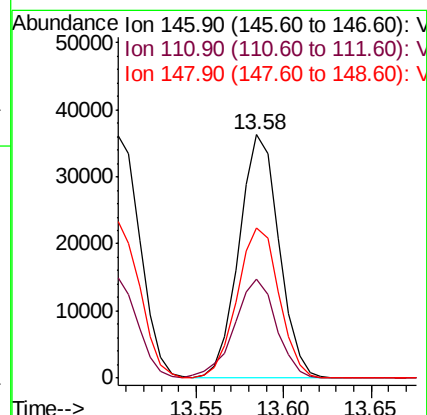
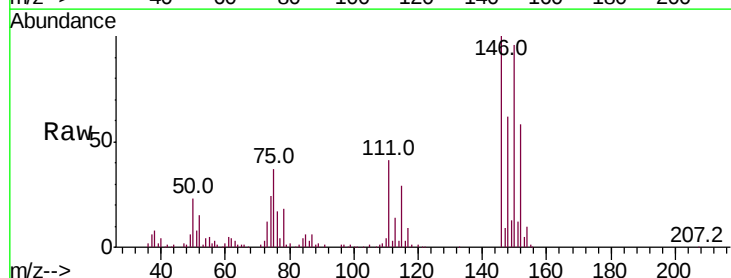
Tgt Ion:146 Resp: 57751

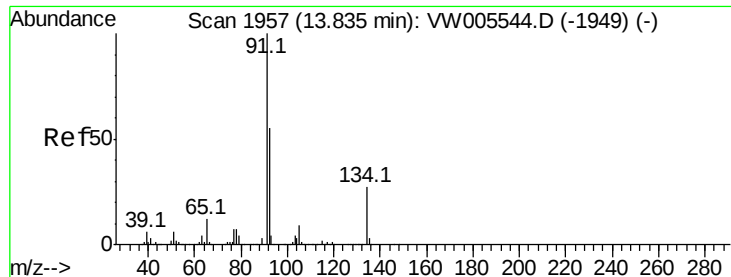
Ion Ratio Lower Upper

146 100

111 42.8 19.9 59.7

148 64.7 32.1 96.3





#89

n-Butylbenzene

Concen: 9.831 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

ClientSampled :

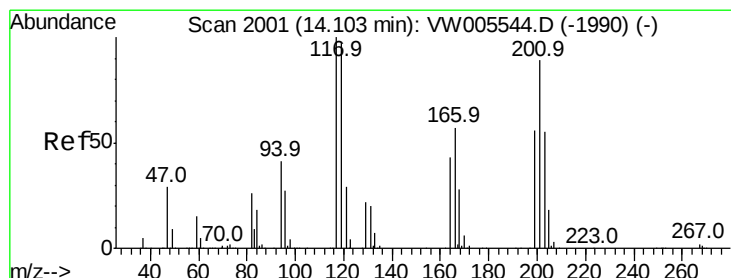
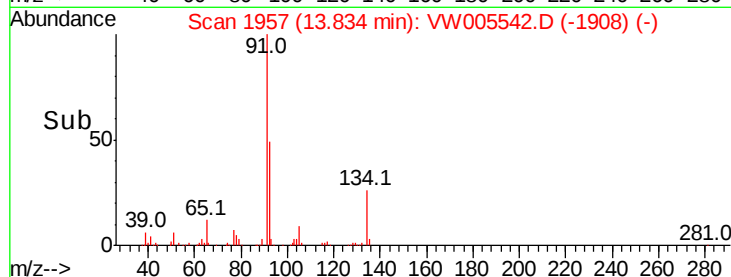
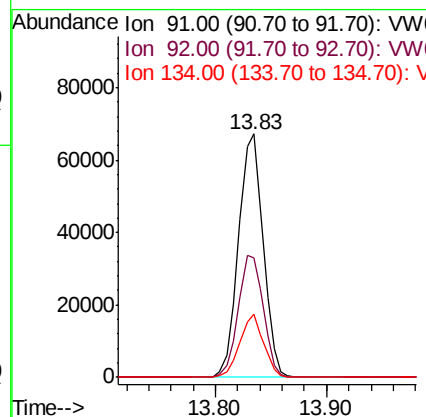
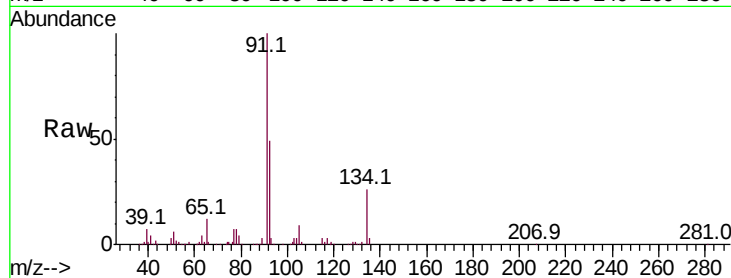
Tot Ion: 91 Resp: 103200

Ion Ratio Lower Upper

91 100

92 50.7 26.5 79.5

134 24.8 12.9 38.7



#90

Hexachloroethane

Concen: 10.308 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005542.D

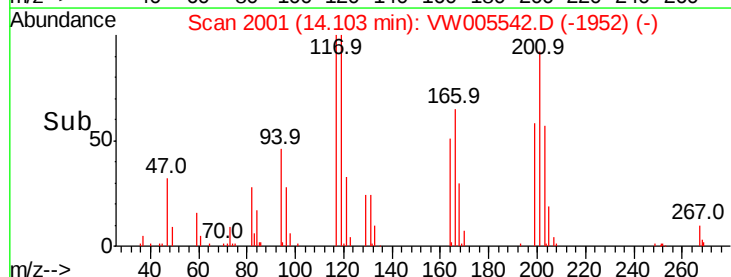
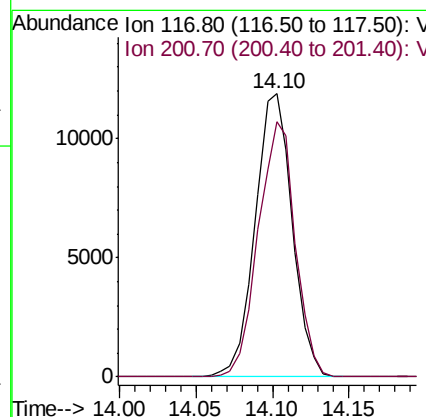
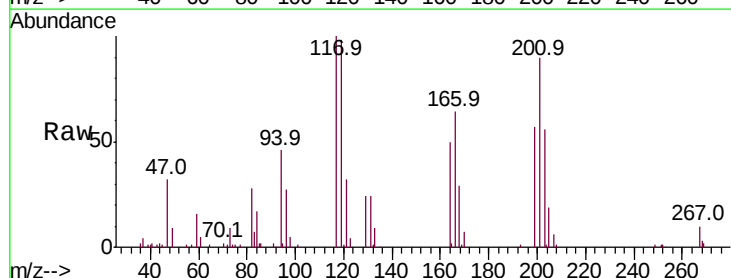
Acq: 20 Sep 2018 21:02

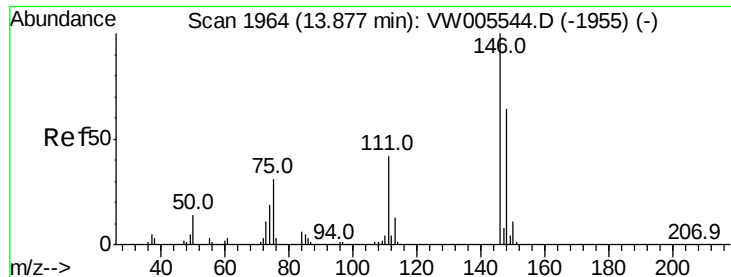
Tgt Ion:117 Resp: 20094

Ion Ratio Lower Upper

117 100

201 89.5 42.8 128.3





#91

1,2-Dichlorobenzene

Concen: 9.927 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

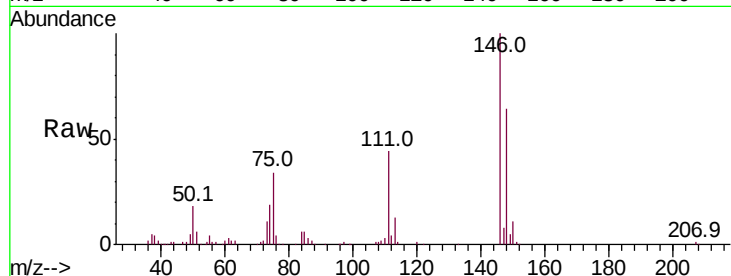
Tot Ion:146 Resp: 49994

Ion Ratio Lower Upper

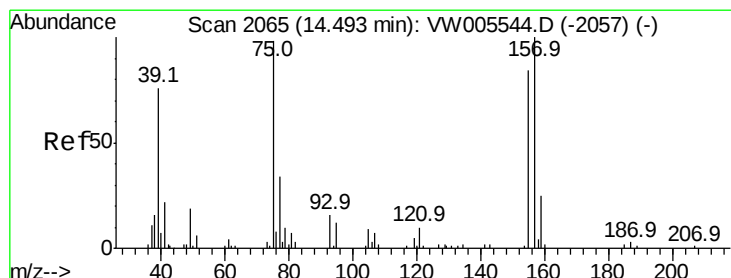
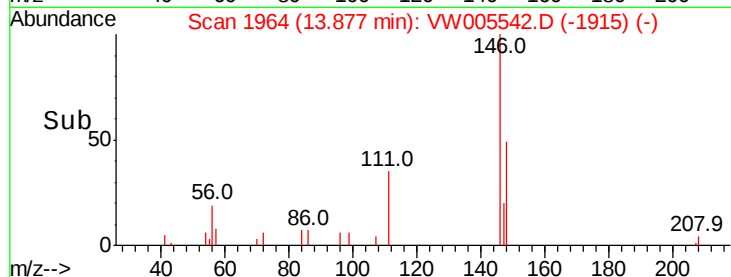
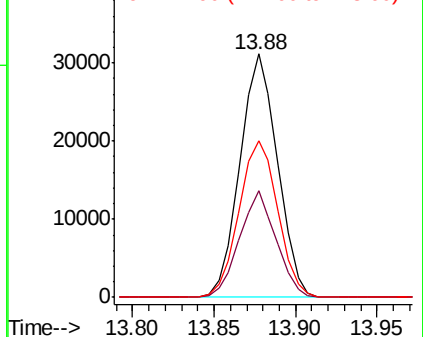
146 100

111 42.7 21.3 63.9

148 66.3 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.060 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005542.D

Acq: 20 Sep 2018 21:02

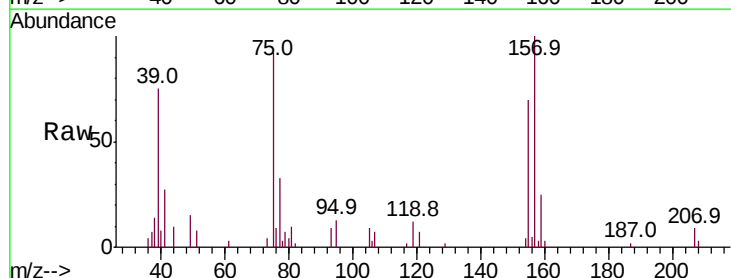
Tgt Ion: 75 Resp: 3767

Ion Ratio Lower Upper

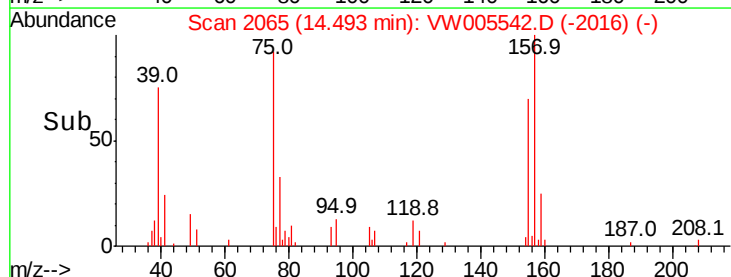
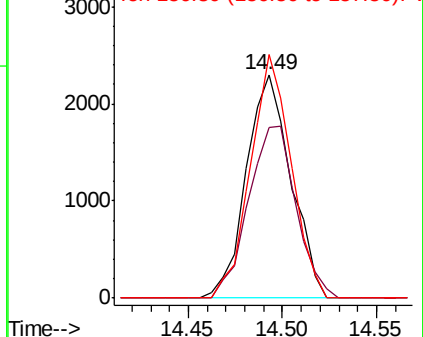
75 100

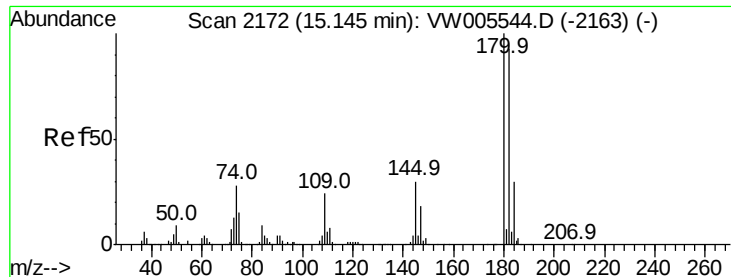
155 82.1 39.1 117.5

157 99.2 50.8 152.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

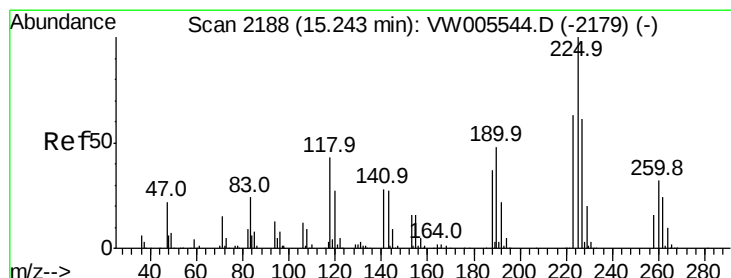
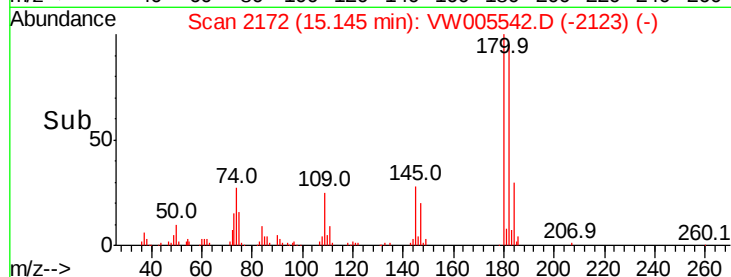
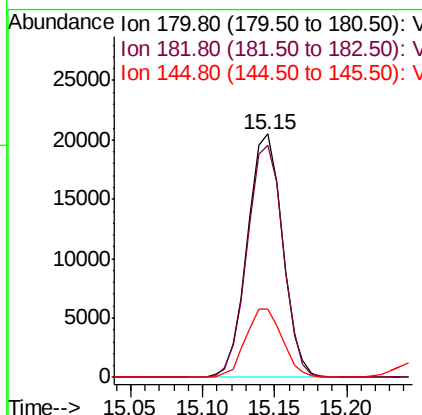
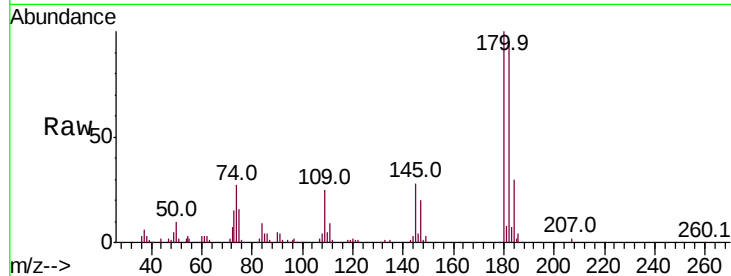




#93
 1,2,4-Trichlorobenzene
 Concen: 10.238 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

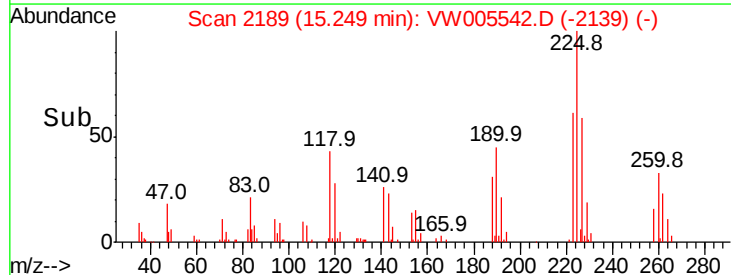
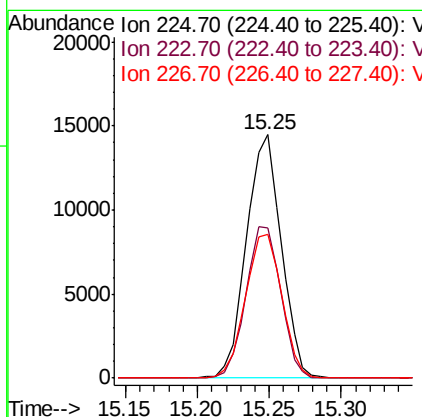
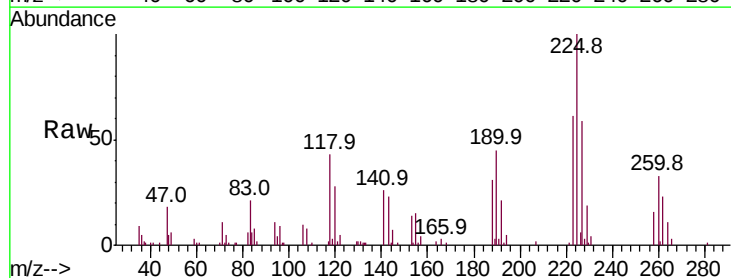
Instrument :
 MSVOA_W
 ClientSampled :

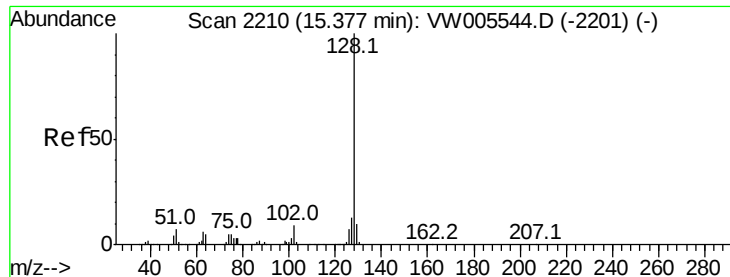
Tot Ion:180 Resp: 34670
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.7 143.1
 145 29.1 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 10.973 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005542.D
 Acq: 20 Sep 2018 21:02

Tgt Ion:225 Resp: 24144
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.3
 227 61.9 31.8 95.3

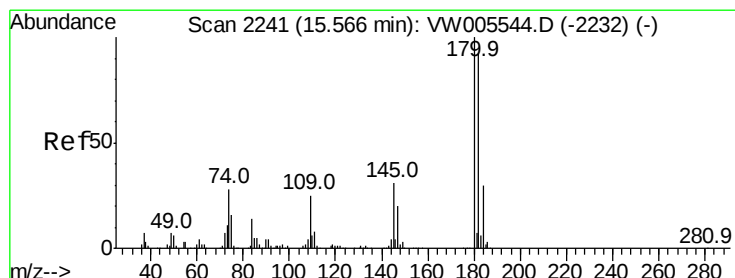
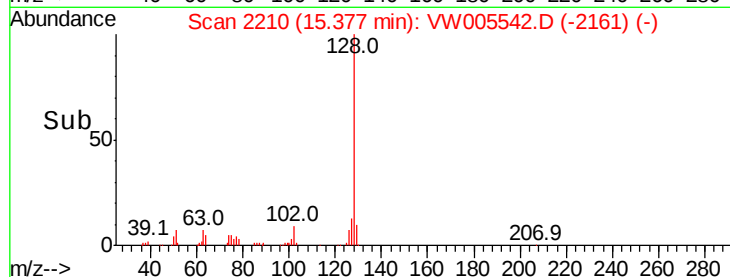
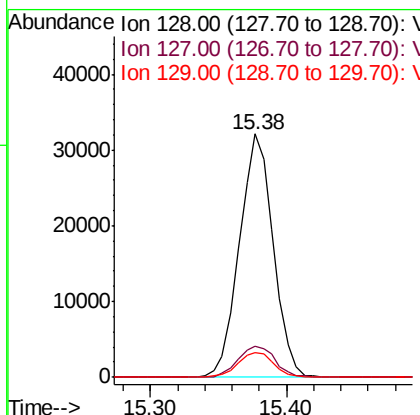
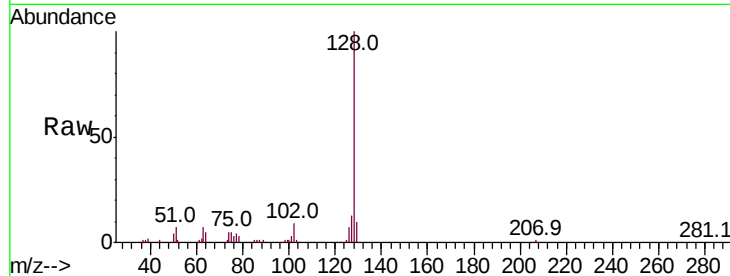




#95
Naphthalene
Concen: 9.803 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 55615
Ion Ratio Lower Upper
128 100
127 14.0 10.9 16.3
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 10.360 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005542.D
Acq: 20 Sep 2018 21:02

Tgt Ion:180 Resp: 30737
Ion Ratio Lower Upper
180 100
182 94.8 47.3 141.9
145 34.1 16.0 47.9

