

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
 Data File : VW005545.D
 Acq On : 20 Sep 2018 22:19
 Operator : SY/AP
 Sample : VSTDCC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:40:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:37:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	363224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	197716	76.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.56%	
35) Dibromofluoromethane	7.88	113	165059	78.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.06%	
50) Toluene-d8	10.33	98	680446	72.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.10%	
62) 4-Bromofluorobenzene	12.62	95	254015	74.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	101551	45.683	ug/l	93
3) Chloromethane	2.21	50	126999	46.953	ug/l	97
4) Vinyl Chloride	2.37	62	155117	59.159	ug/l	98
5) Bromomethane	2.78	94	102781	53.382	ug/l	97
6) Chloroethane	2.93	64	98584	63.096	ug/l	100
7) Trichlorofluoromethane	3.26	101	128537	39.125	ug/l	98
8) Diethyl Ether	3.68	74	78697	72.991	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	154433	73.139	ug/l	100
10) Methyl Iodide	4.26	142	240163	102.951	ug/l	99
11) Tert butyl alcohol	5.22	59	48364	271.775	ug/l #	72
12) 1,1-Dichloroethene	4.04	96	147678	76.490	ug/l	99
13) Acrolein	3.89	56	32272	276.074	ug/l	98
14) Allyl chloride	4.67	41	267715	75.200	ug/l	99
15) Acrylonitrile	5.38	53	172543	352.939	ug/l	99
16) Acetone	4.14	43	147613	350.323	ug/l	98
17) Carbon Disulfide	4.37	76	459650	69.044	ug/l	100
18) Methyl Acetate	4.67	43	89543	72.969	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	237978	49.408	ug/l	99
20) Methylene Chloride	4.92	84	166074	55.177	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	165345	72.264	ug/l	100
22) Diisopropyl ether	6.31	45	533795	76.688	ug/l	99
23) Vinyl Acetate	6.26	43	1528798	384.461	ug/l	100
24) 1,1-Dichloroethane	6.22	63	315101	74.038	ug/l	99
25) 2-Butanone	7.18	43	223093	363.203	ug/l	100
26) 2,2-Dichloropropane	7.17	77	209450	57.449	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	184628	74.153	ug/l	99
28) Bromochloromethane	7.51	49	118510	71.533	ug/l	99
29) Tetrahydrofuran	7.54	42	147093	374.663	ug/l	98
30) Chloroform	7.68	83	325281	73.631	ug/l	100
31) Cyclohexane	7.96	56	289057	71.133	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	287947	71.362	ug/l	99
36) 1,1-Dichloropropene	8.09	75	255981	73.259	ug/l	99
37) Ethyl Acetate	7.26	43	100281	70.022	ug/l	99
38) Carbon Tetrachloride	8.07	117	273523	74.635	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	314019	77.509	ug/l	99
40) Benzene	8.33	78	720454	71.575	ug/l	99
41) Methacrylonitrile	7.49	41	61085	71.207	ug/l	96
42) 1,2-Dichloroethane	8.40	62	227199	71.435	ug/l	99
43) Isopropyl Acetate	8.43	43	206402	74.295	ug/l	100
44) Trichloroethene	9.10	130	181378	69.990	ug/l	96
45) 1,2-Dichloropropane	9.37	63	176249	72.727	ug/l	100
46) Dibromomethane	9.46	93	86527	72.250	ug/l	98
47) Bromodichloromethane	9.65	83	240429	74.316	ug/l	100
48) Methyl methacrylate	9.44	41	102945	74.915	ug/l	97
49) 1,4-Dioxane	9.47	88	27820	1428.947	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	528470	371.920	ug/l	100
52) Toluene	10.39	92	450113	67.017	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	243587	75.193	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	273817	74.690	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	123585	69.876	ug/l	97
56) Ethyl methacrylate	10.65	69	163001	73.623	ug/l	99
57) 1,3-Dichloropropane	10.94	76	220512	72.376	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	380232	377.619	ug/l	99
59) 2-Hexanone	10.98	43	361376	374.770	ug/l	99
60) Dibromochloromethane	11.13	129	155214	73.048	ug/l	97
61) 1,2-Dibromoethane	11.24	107	116171	72.990	ug/l	100
64) Tetrachloroethene	10.87	164	160362	64.681	ug/l	98
65) Chlorobenzene	11.66	112	477677	66.377	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.74	131	178949	76.085	ug/l	98
67) Ethyl Benzene	11.74	91	894656	70.674	ug/l	95
68) m/p-Xylenes	11.85	106	690210	141.989	ug/l	100
69) o-Xylene	12.17	106	325092	71.839	ug/l	100
70) Styrene	12.19	104	545704	72.781	ug/l	99
71) Bromoform	12.35	173	94235	75.844	ug/l	100
73) Isopropylbenzene	12.47	105	929800	73.101	ug/l	100
74) N-amyl acetate	12.28	43	200205	74.233	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	142427	75.203	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	204649	136.008	ug/l #	100
77) Bromobenzene	12.76	156	205955	68.707	ug/l	99
78) n-propylbenzene	12.81	91	1121957	73.118	ug/l	100
79) 2-Chlorotoluene	12.90	91	642802	71.267	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	804842	72.737	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	47460	80.420	ug/l	100
82) 4-Chlorotoluene	12.99	91	668174	70.120	ug/l	100
83) tert-Butylbenzene	13.21	119	683834	74.302	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	795736	70.766	ug/l	98
85) sec-Butylbenzene	13.39	105	970832	72.998	ug/l	99
86) p-Isopropyltoluene	13.51	119	887380	74.568	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	423435	69.560	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	416394	69.558	ug/l	99
89) n-Butylbenzene	13.83	91	829898	74.973	ug/l	100
90) Hexachloroethane	14.10	117	154009	74.925	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	371208	69.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	26615	74.102	ug/l	96

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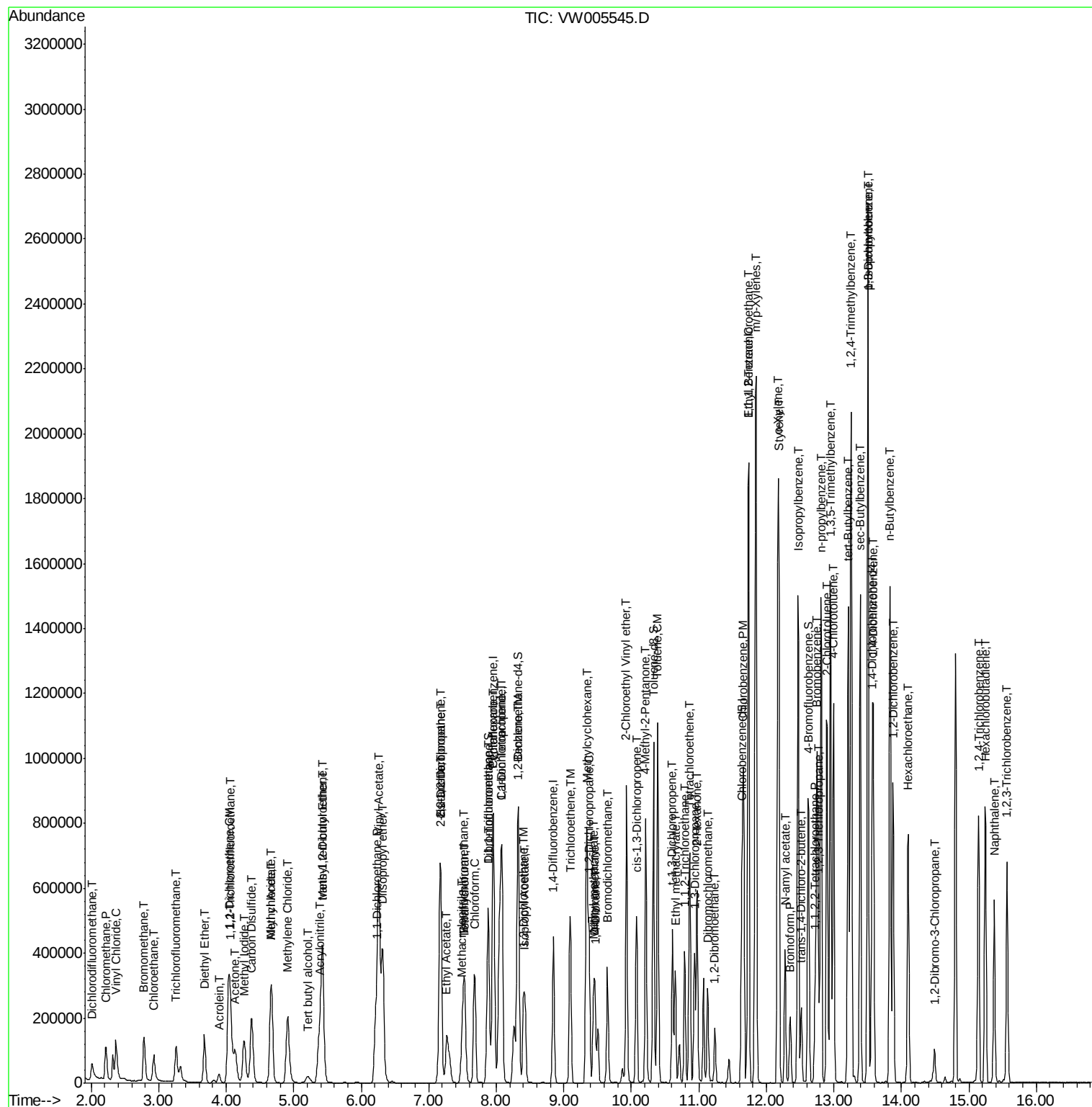
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	273467	76.580	ug/l	99
94) Hexachlorobutadiene	15.24	225	171658	73.984	ug/l	99
95) Naphthalene	15.38	128	470860	78.707	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	236737	75.670	ug/l	100

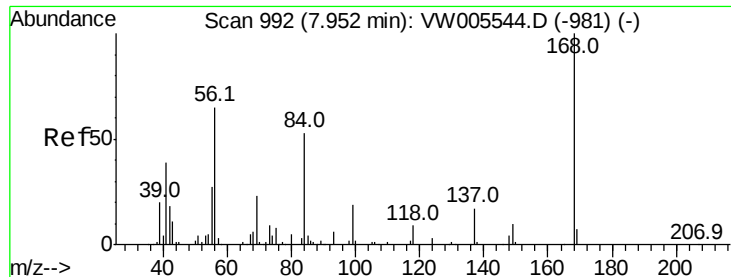
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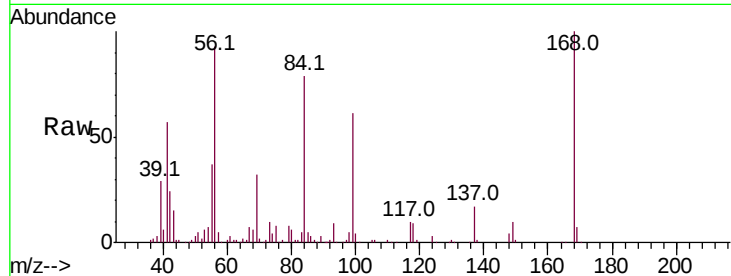


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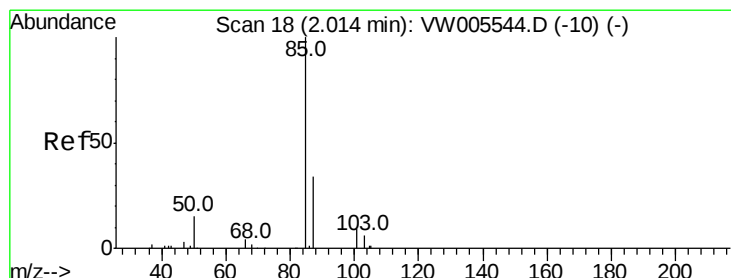
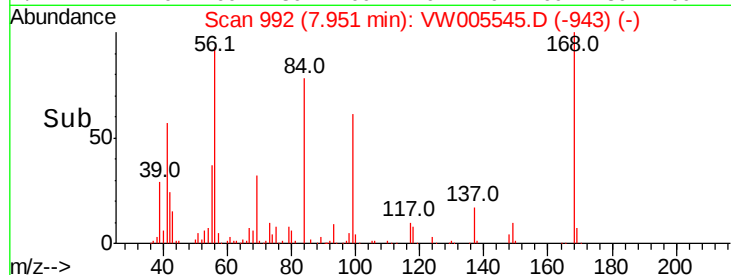
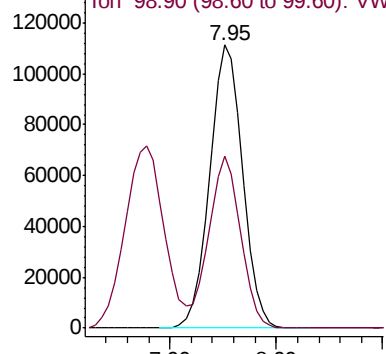
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW005545.D
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Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:168 Resp: 241436
 Ion Ratio Lower Upper
 168 100
 99 60.9 48.4 72.6



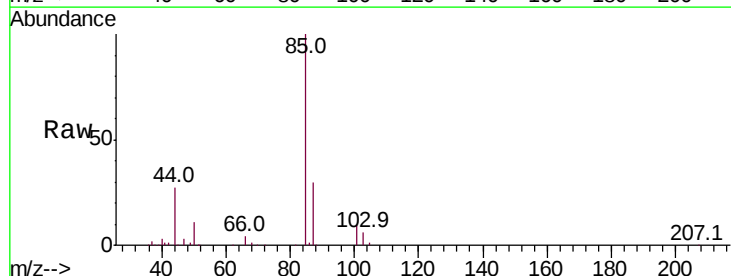
Abundance Ion 167.90 (167.60 to 168.60): V



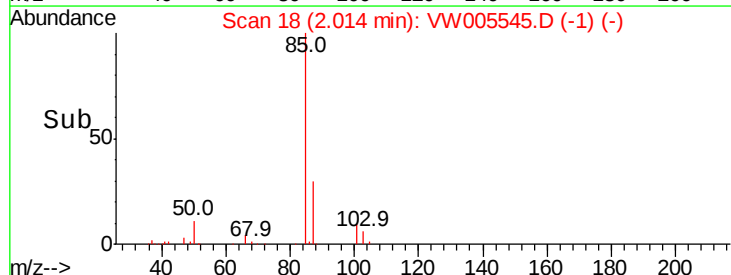
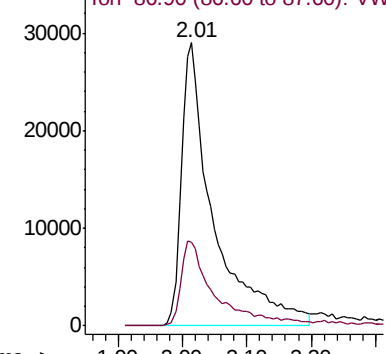
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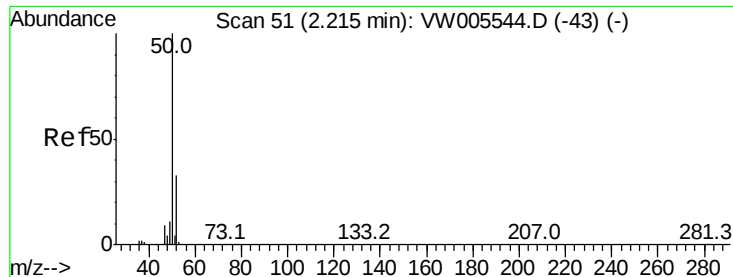
Dichlorodifluoromethane
 Concen: 45.683 ug/l
 RT: 2.01 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Tgt Ion: 85 Resp: 101551
 Ion Ratio Lower Upper
 85 100
 87 29.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

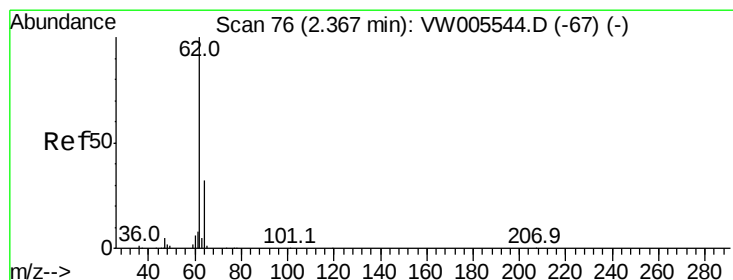
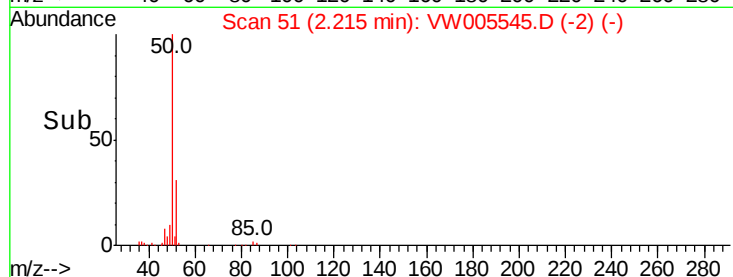
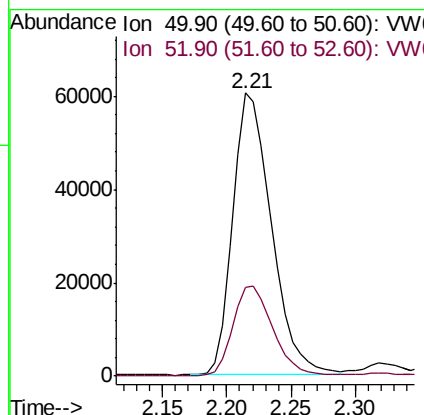
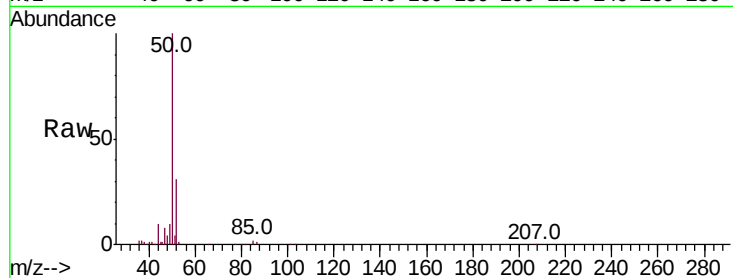




#3
Chloromethane
Concen: 46.953 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

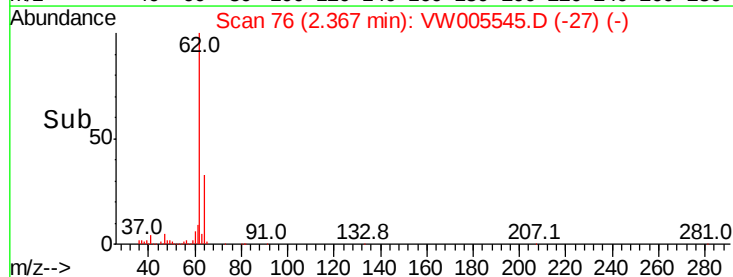
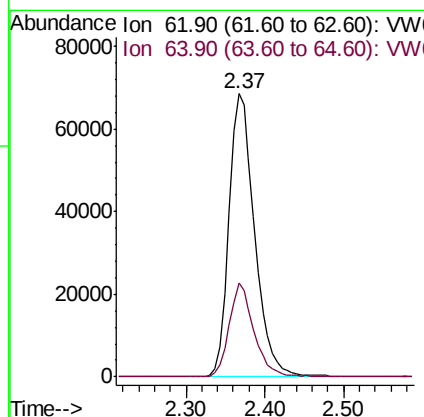
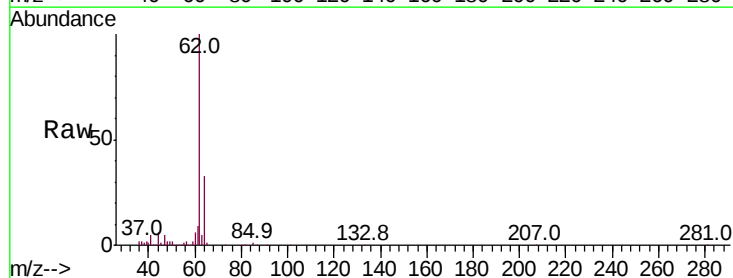
Instrument :
MSVOA_W
ClientSampleId :

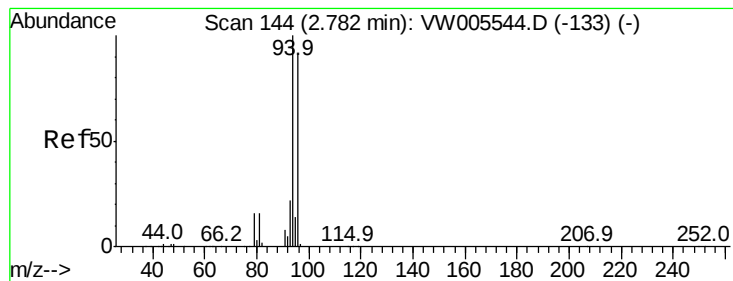
Tot Ion: 50 Resp: 126999
Ion Ratio Lower Upper
50 100
52 31.3 26.2 39.4



#4
Vinyl Chloride
Concen: 59.159 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion: 62 Resp: 155117
Ion Ratio Lower Upper
62 100
64 33.1 25.7 38.5





#5

Bromomethane

Concen: 53.382 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

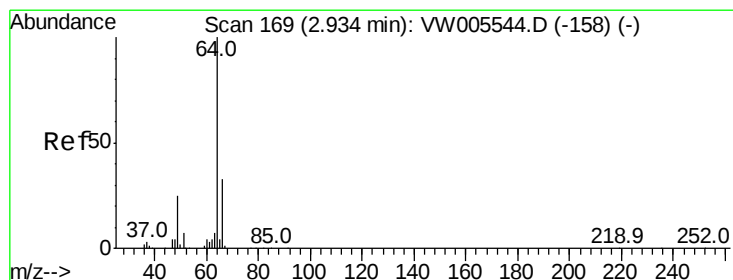
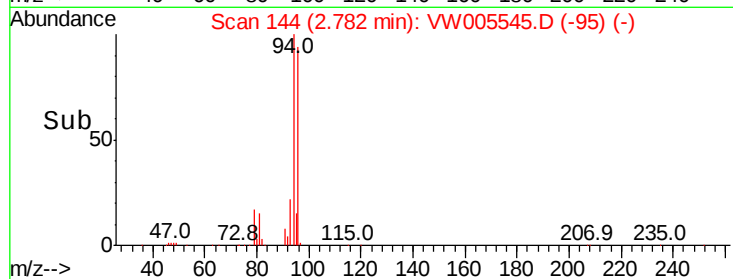
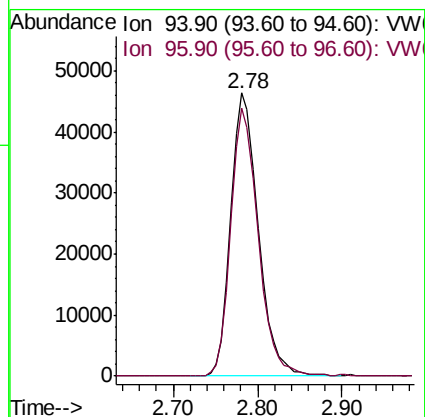
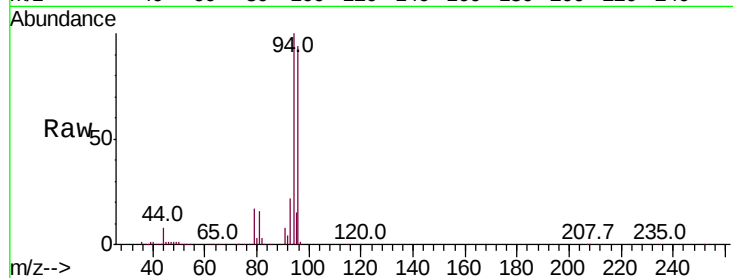
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 102781

Ion Ratio Lower Upper

94 100

96 94.4 73.1 109.7



#6

Chloroethane

Concen: 63.096 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005545.D

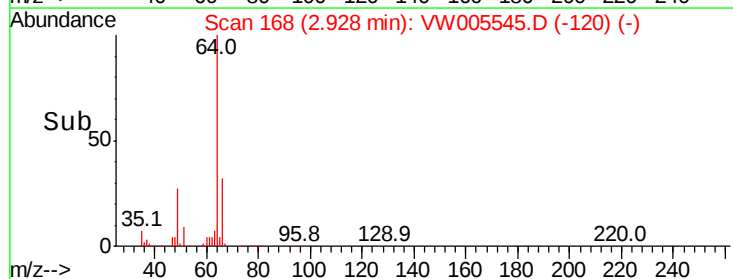
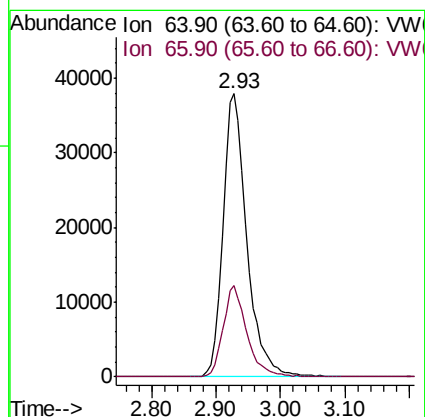
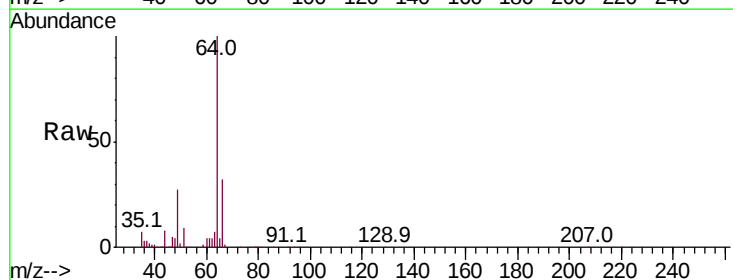
Acq: 20 Sep 2018 22:19

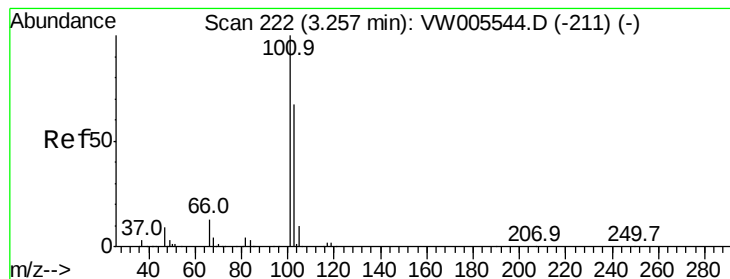
Tgt Ion: 64 Resp: 98584

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0



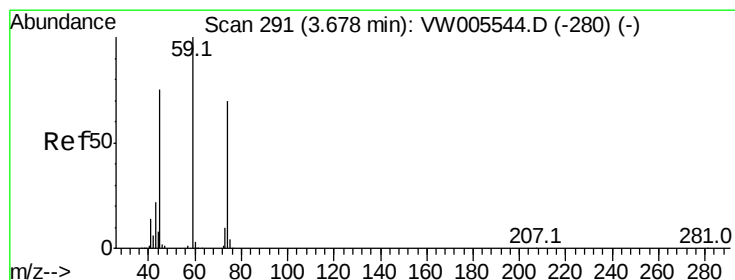
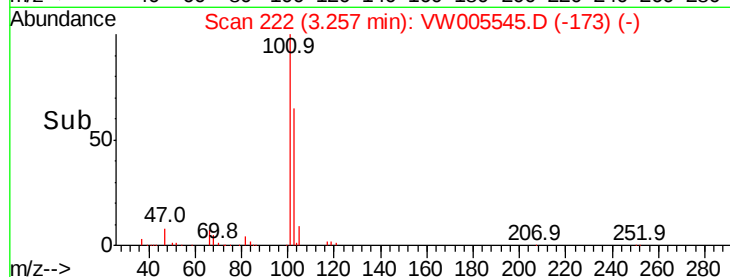
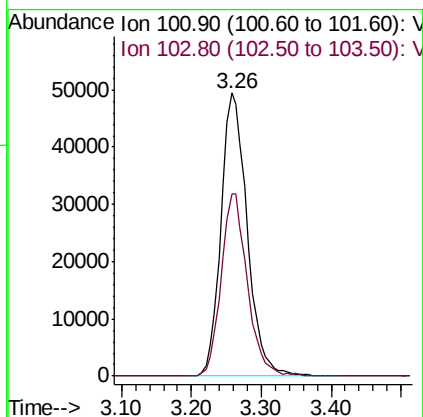
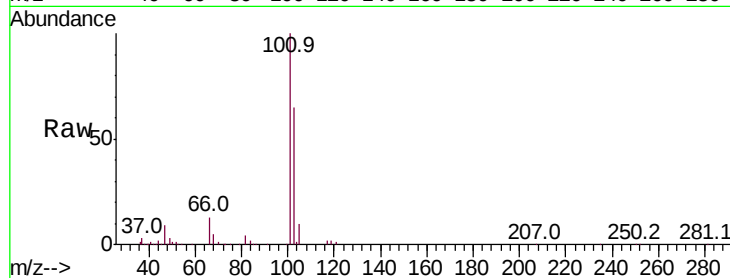


#7

Trichlorofluoromethane
 Concen: 39.125 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Instrument :
 MSVOA_W
 ClientSampled :

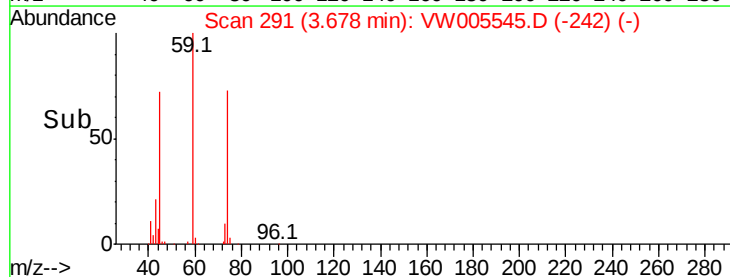
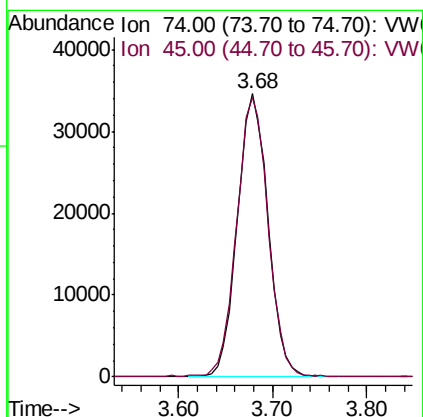
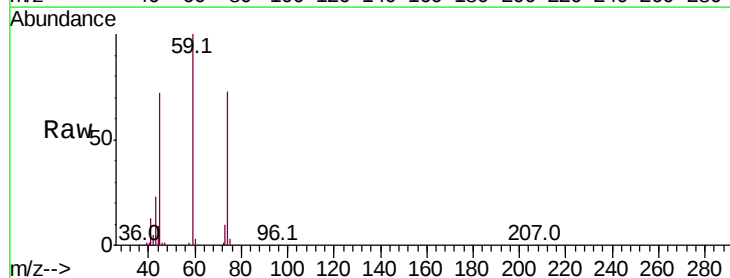
Tot Ion:101 Resp: 128537
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.2 79.8

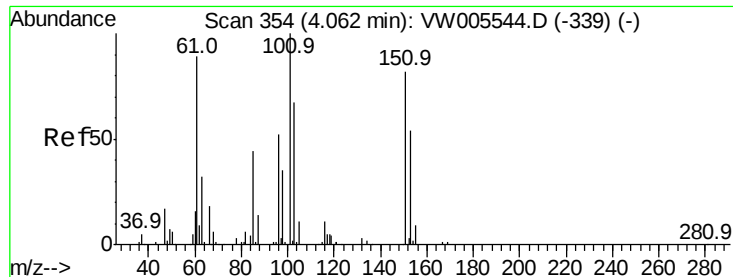


#8

Diethyl Ether
 Concen: 72.991 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Tgt Ion: 74 Resp: 78697
 Ion Ratio Lower Upper
 74 100
 45 101.1 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 73.139 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

ClientSampleId :

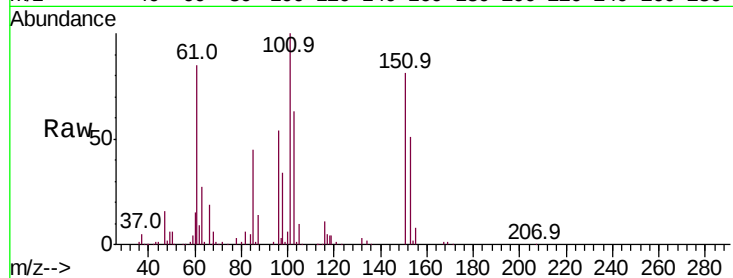
Tot Ion:101 Resp: 154433

Ion Ratio Lower Upper

101 100

85 45.2 36.4 54.6

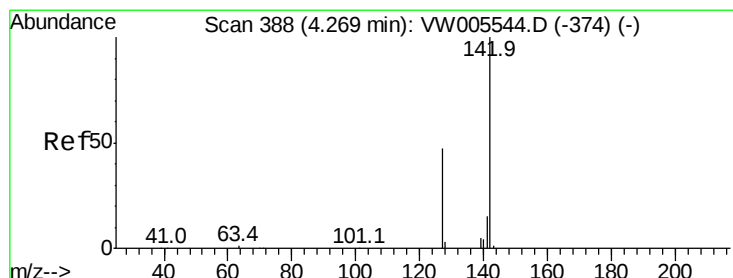
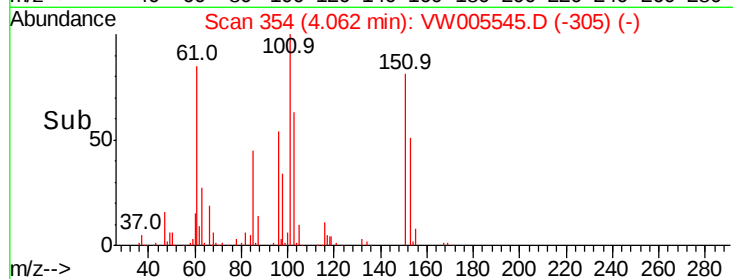
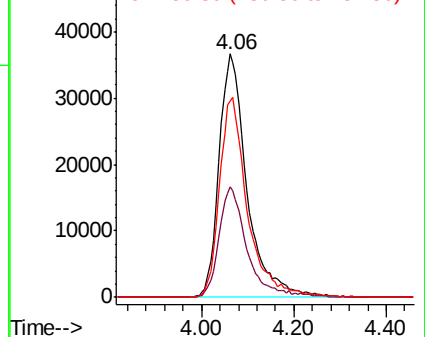
151 82.4 65.8 98.6



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: 102.951 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

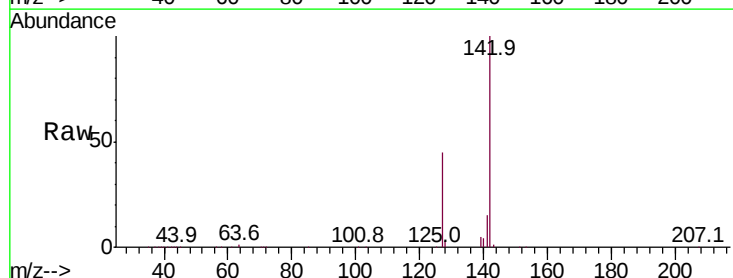
Tgt Ion:142 Resp: 240163

Ion Ratio Lower Upper

142 100

127 47.0 37.4 56.0

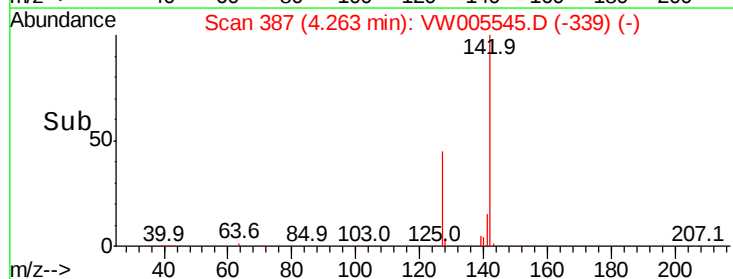
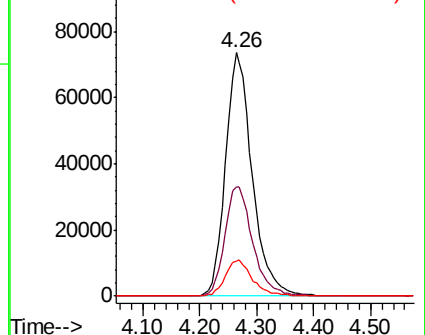
141 15.3 11.9 17.9

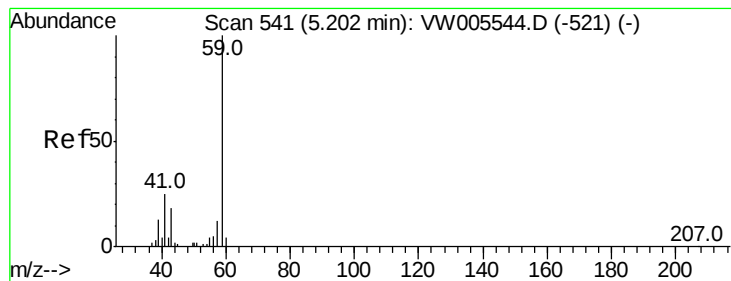


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 271.775 ug/l

RT: 5.22 min Scan# 544

Delta R.T. 0.02 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

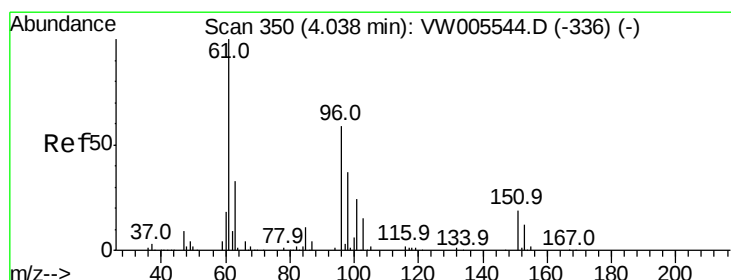
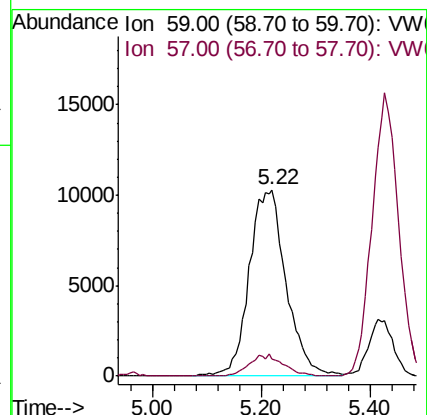
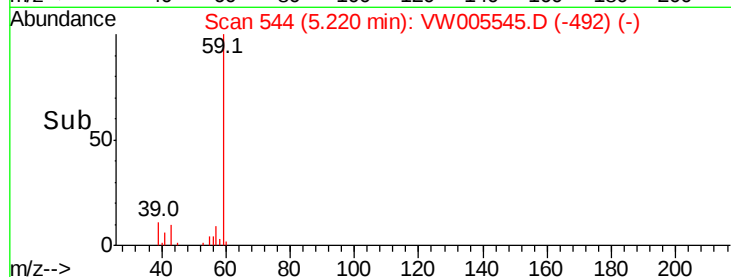
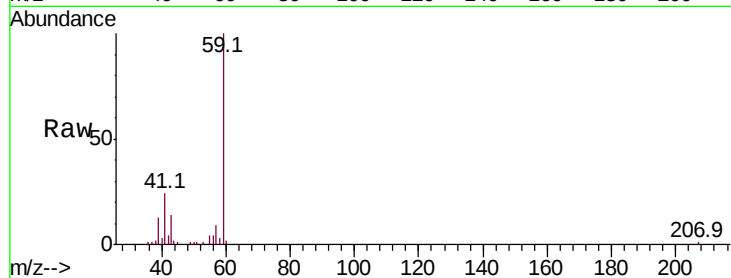
ClientSampleId :

Tot Ion: 59 Resp: 48364

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 76.490 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

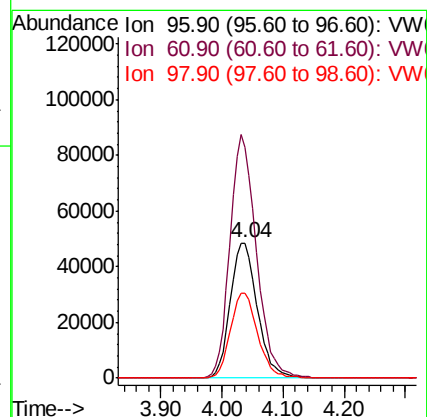
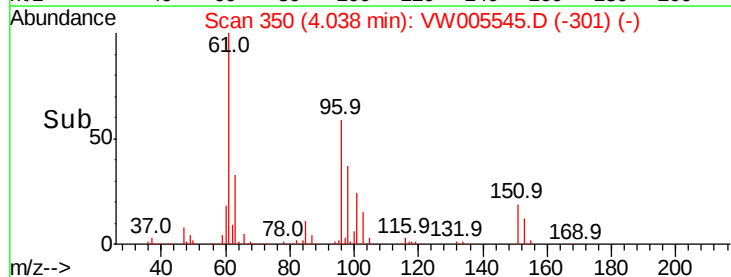
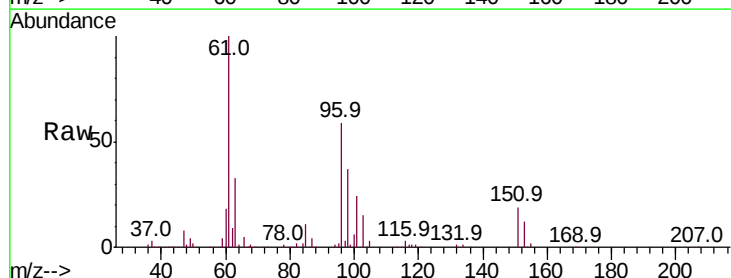
Tgt Ion: 96 Resp: 147678

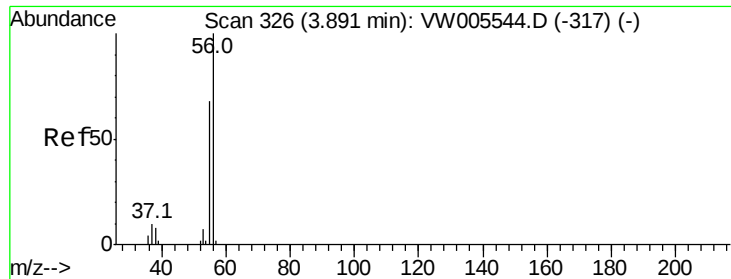
Ion Ratio Lower Upper

96 100

61 170.7 135.0 202.6

98 62.5 50.6 76.0





#13

Acrolein

Concen: 276.074 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

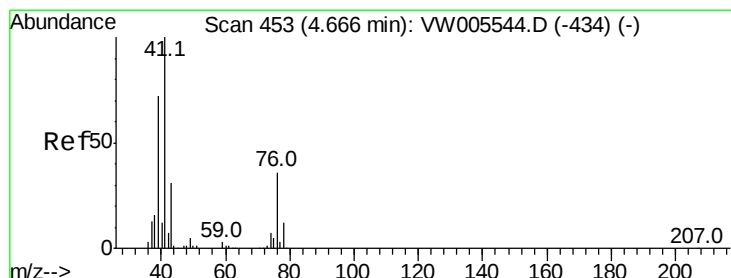
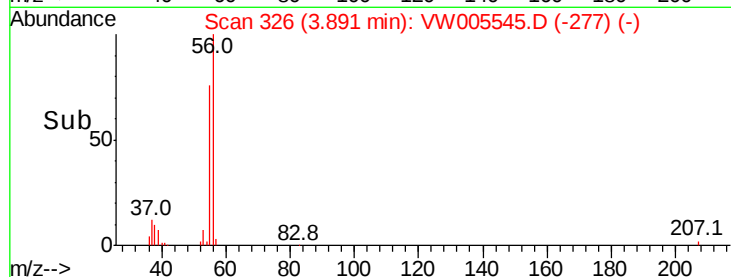
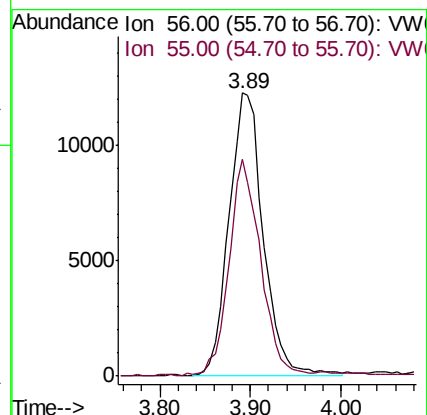
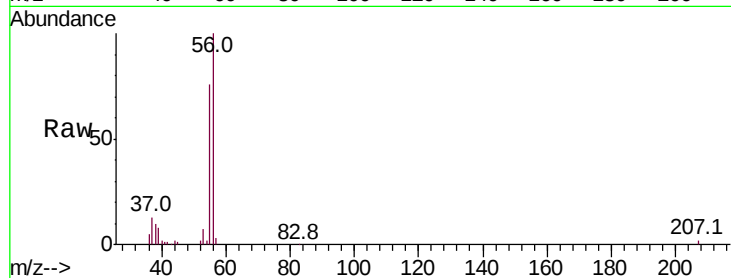
ClientSampled :

Tot Ion: 56 Resp: 32272

Ion Ratio Lower Upper

56 100

55 70.5 57.8 86.8



#14

Allyl chloride

Concen: 75.200 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

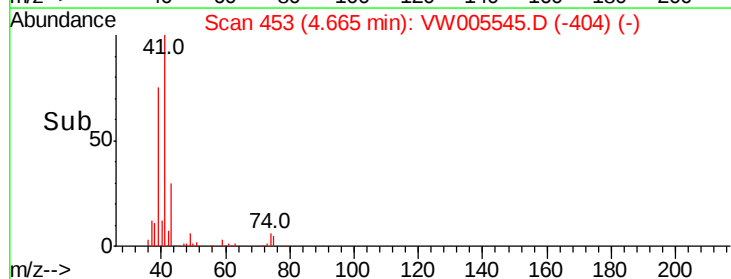
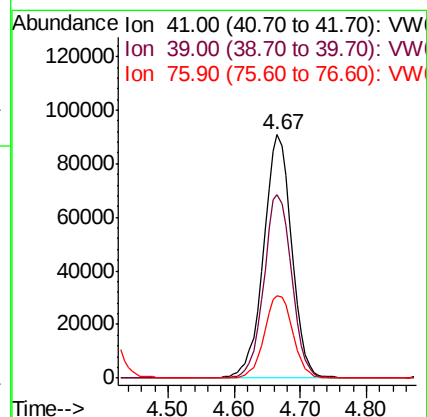
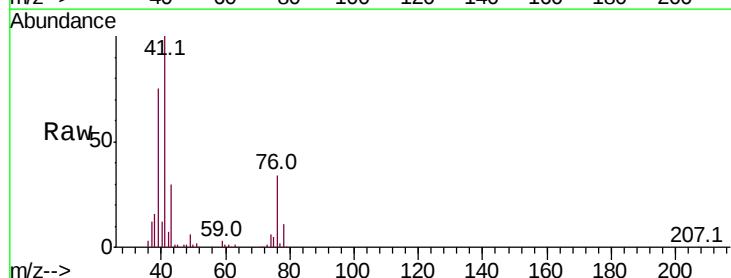
Tgt Ion: 41 Resp: 267715

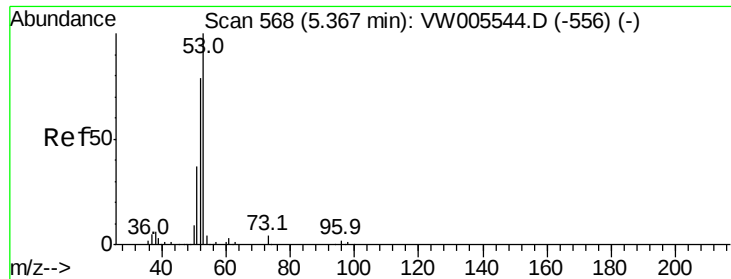
Ion Ratio Lower Upper

41 100

39 75.1 59.6 89.4

76 34.2 27.7 41.5





#15

Acrylonitrile

Concen: 352.939 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :
MSVOA_W
ClientSampleId :

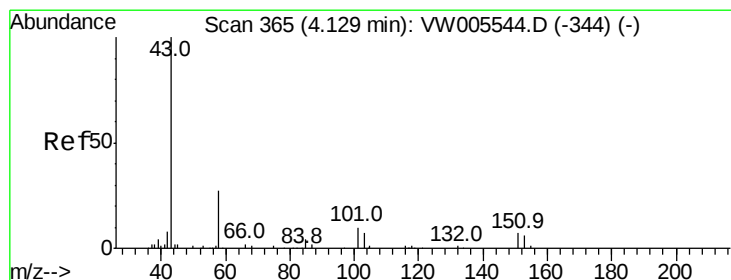
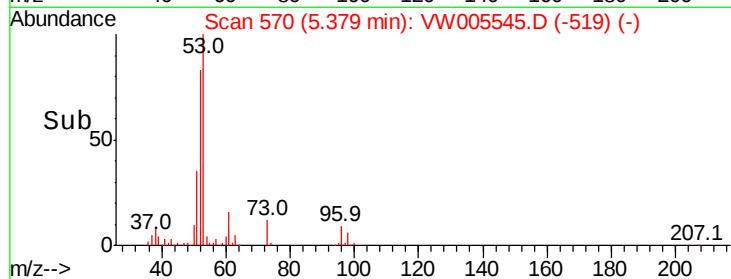
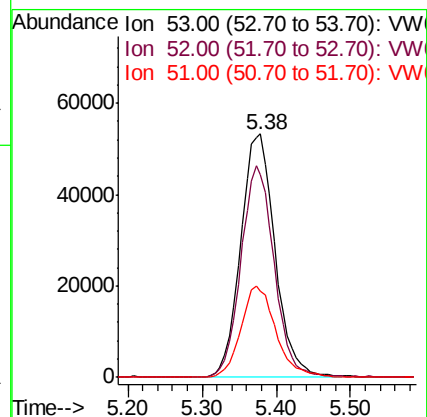
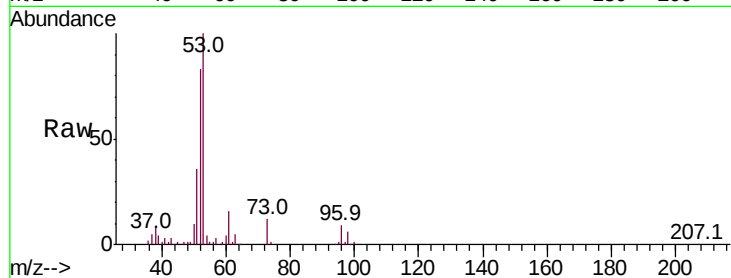
Tot Ion: 53 Resp: 172543

Ion Ratio Lower Upper

53 100

52 83.9 66.5 99.7

51 38.3 30.6 46.0



#16

Acetone

Concen: 350.323 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005545.D

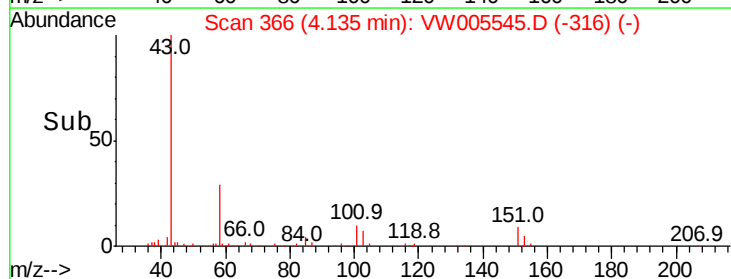
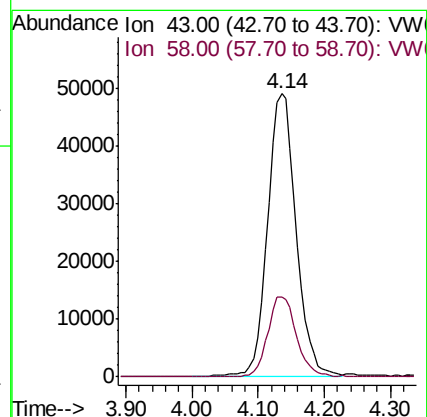
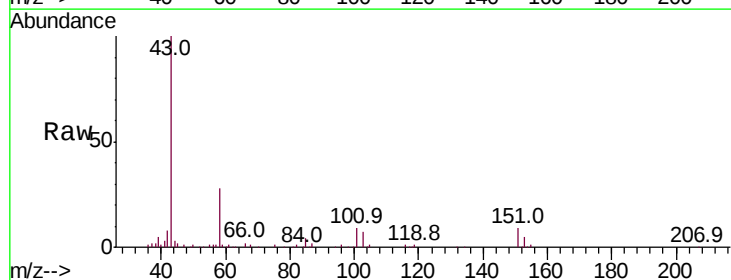
Acq: 20 Sep 2018 22:19

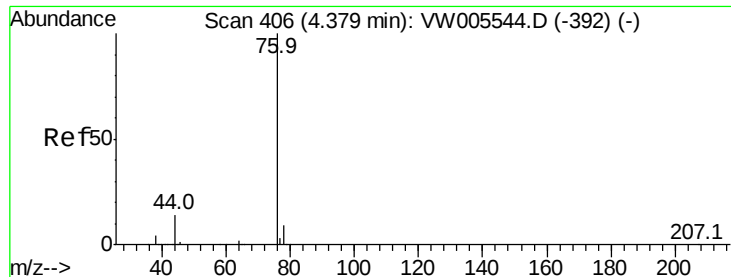
Tgt Ion: 43 Resp: 147613

Ion Ratio Lower Upper

43 100

58 28.2 21.8 32.8

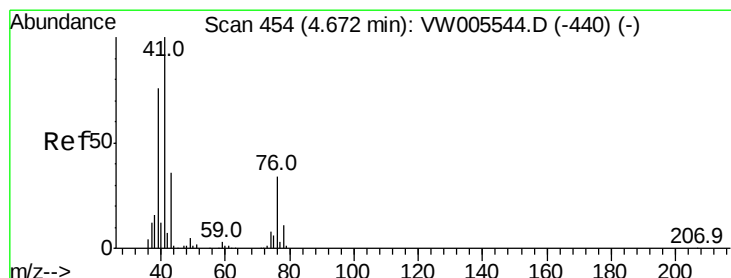
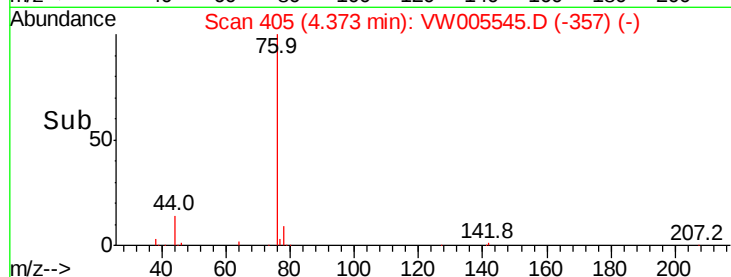
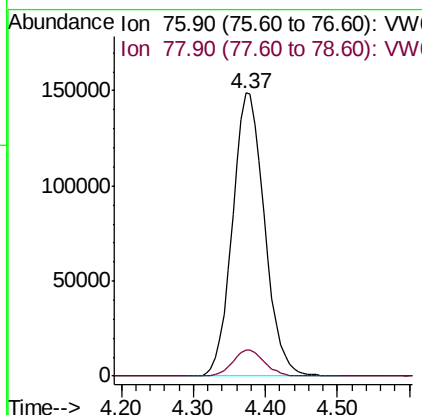
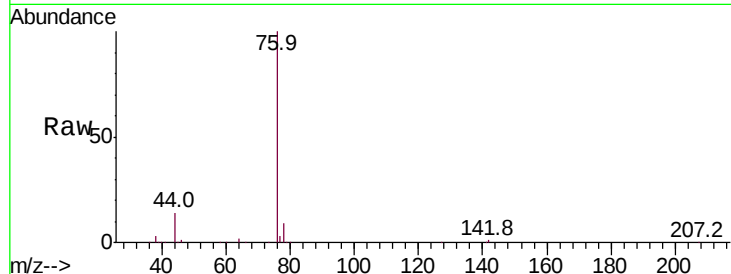




#17
Carbon Disulfide
Concen: 69.044 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

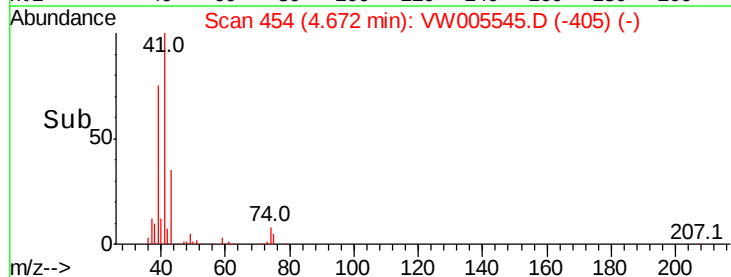
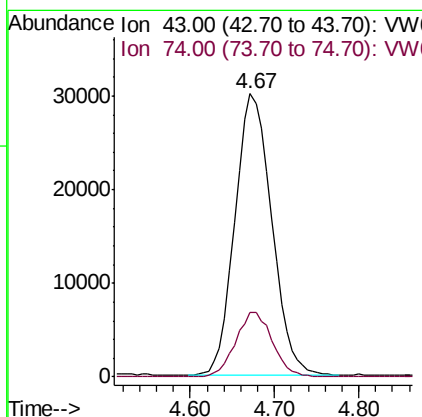
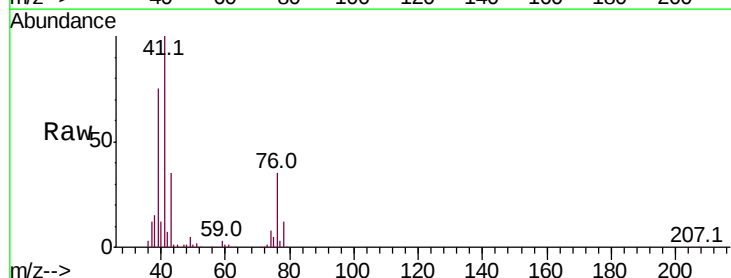
Instrument :
MSVOA_W
ClientSampleId :

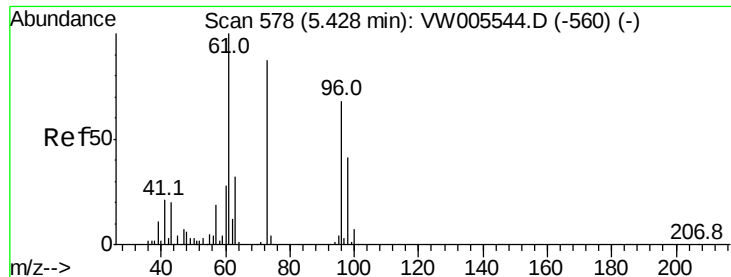
Tot Ion: 76 Resp: 459650
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 72.969 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion: 43 Resp: 89543
Ion Ratio Lower Upper
43 100
74 22.7 19.2 28.8

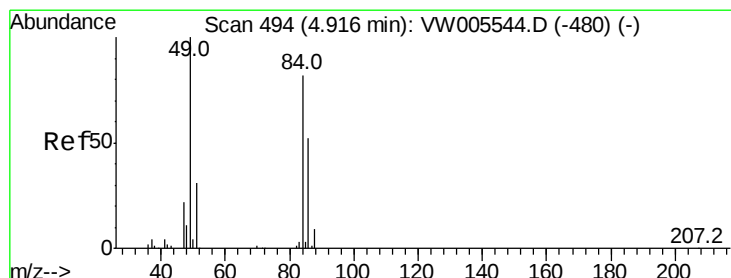
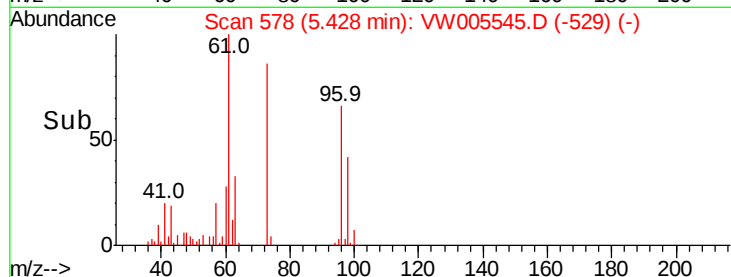
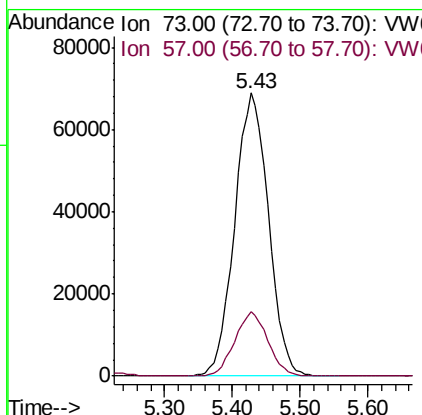
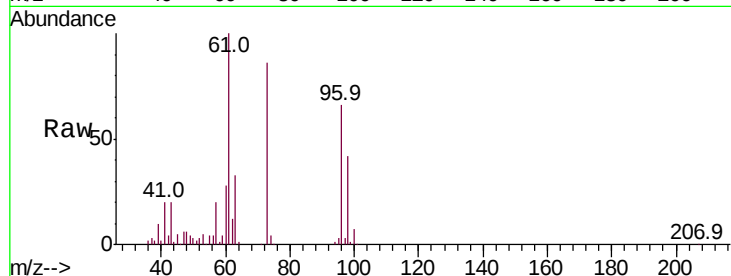




#19
Methyl tert-butyl Ether
Concen: 49.408 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

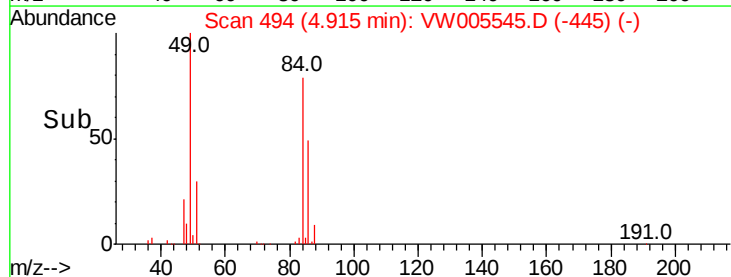
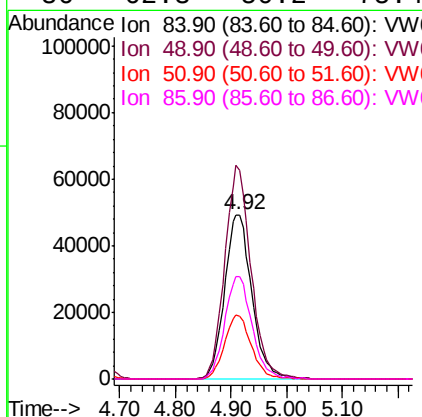
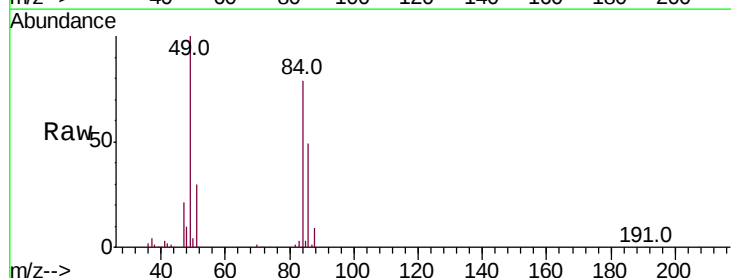
Instrument :
MSVOA_W
ClientSampled :

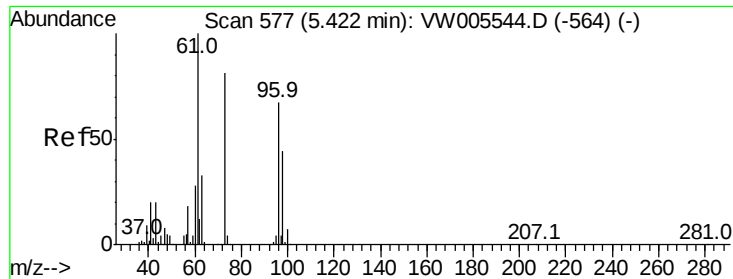
Tot Ion: 73 Resp: 237978
Ion Ratio Lower Upper
73 100
57 22.7 17.6 26.4



#20
Methylene Chloride
Concen: 55.177 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion: 84 Resp: 166074
Ion Ratio Lower Upper
84 100
49 127.0 97.0 145.6
51 38.3 30.2 45.2
86 62.3 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 72.264 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :
MSVOA_W
ClientSampled :

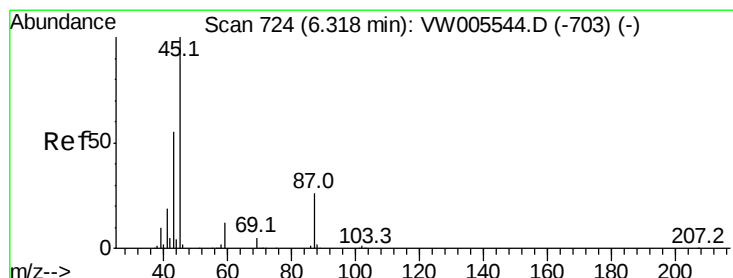
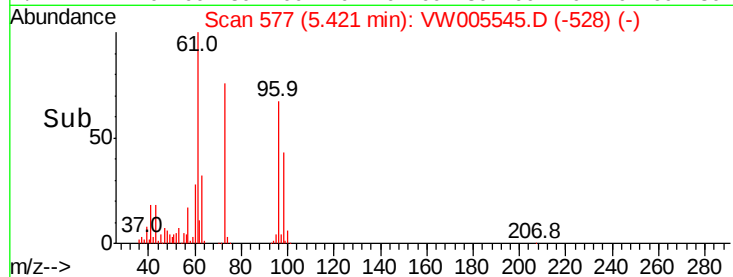
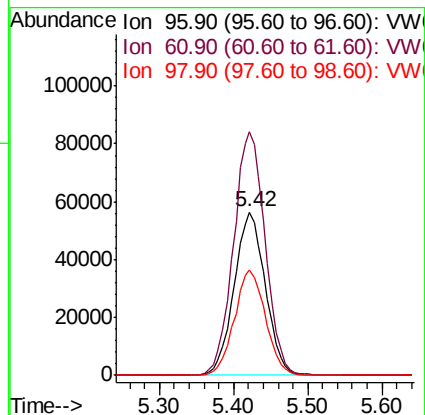
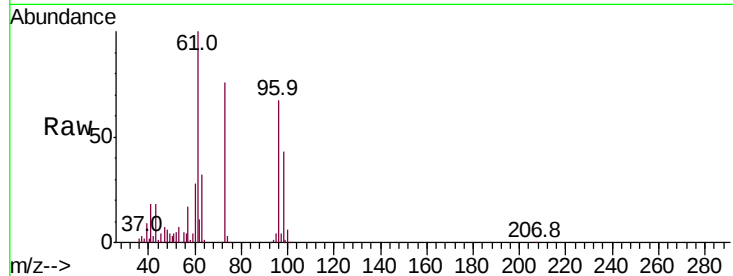
Tot Ion: 96 Resp: 165345

Ion Ratio Lower Upper

96 100

61 149.2 118.9 178.3

98 64.9 52.1 78.1



#22

Diisopropyl ether

Concen: 76.688 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Tgt Ion: 45 Resp: 533795

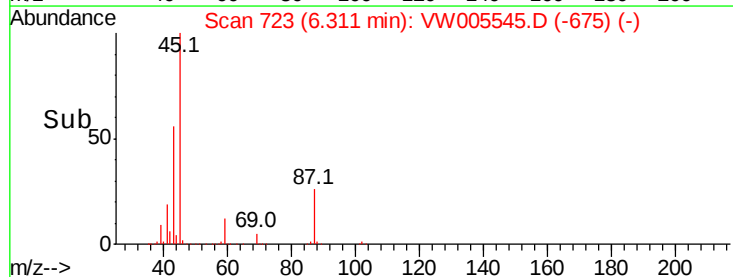
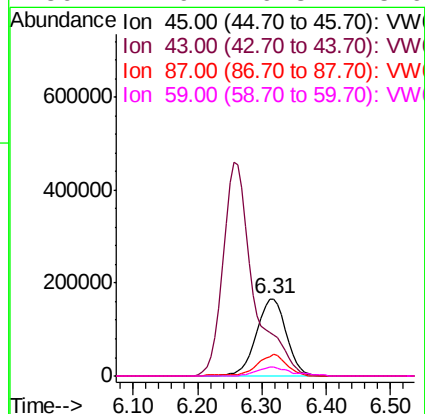
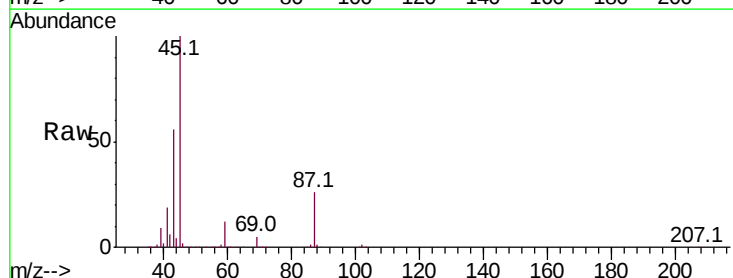
Ion Ratio Lower Upper

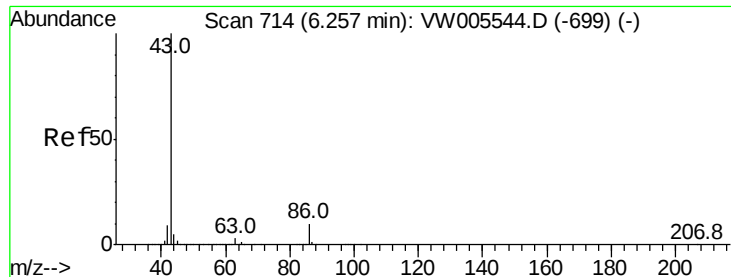
45 100

43 55.8 44.2 66.4

87 25.6 21.4 32.2

59 11.9 9.3 13.9





#23

Vinyl Acetate

Concen: 384.461 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

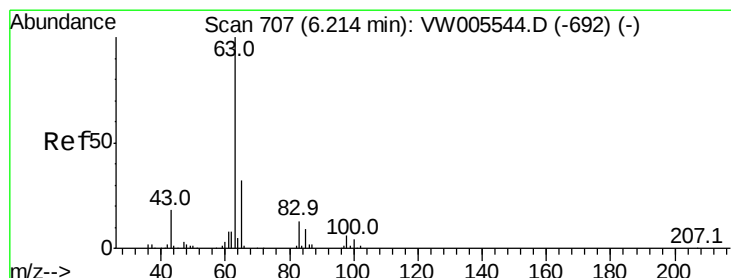
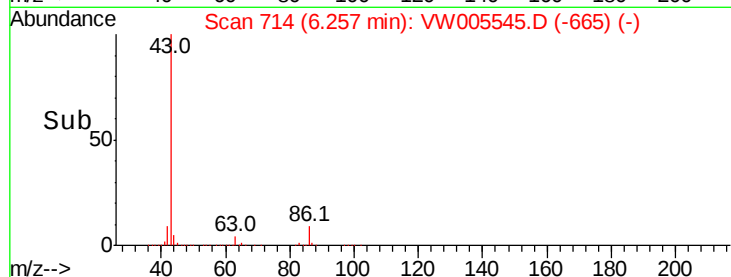
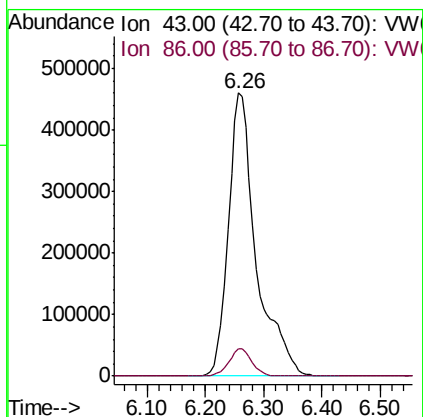
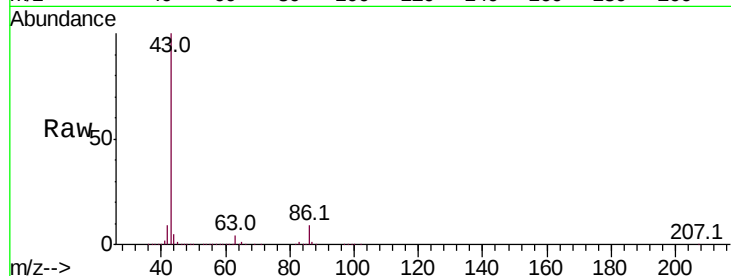
ClientSampled :

Tot Ion: 43 Resp: 1528798

Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5



#24

1,1-Dichloroethane

Concen: 74.038 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

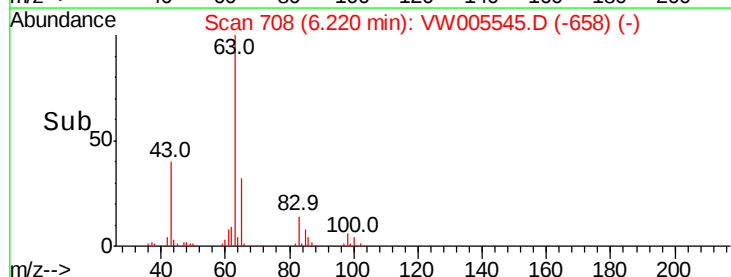
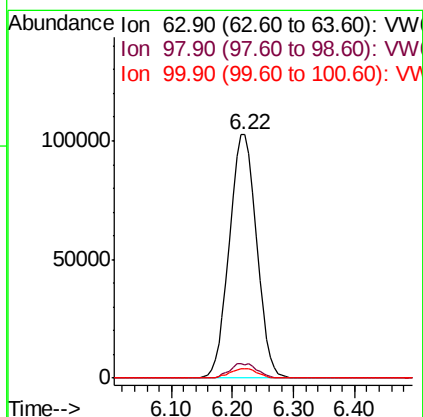
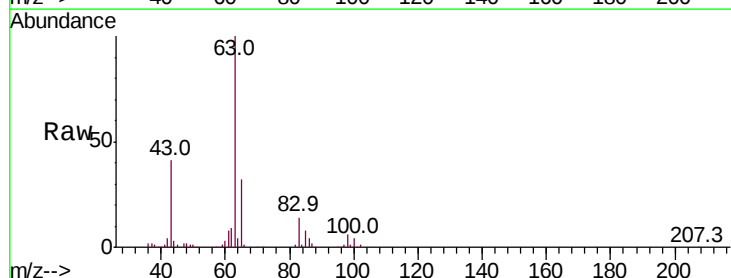
Tgt Ion: 63 Resp: 315101

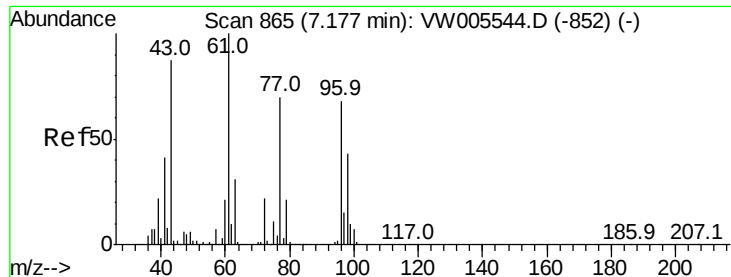
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 363.203 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

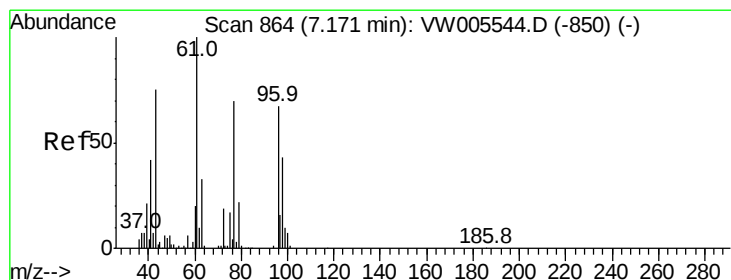
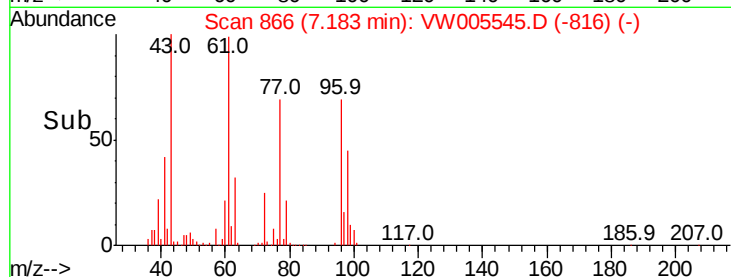
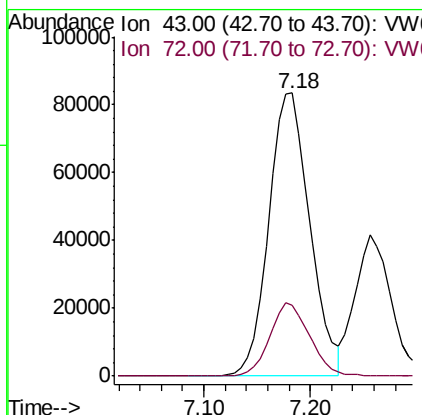
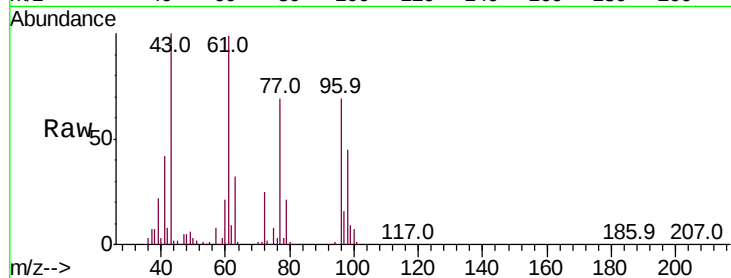
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 223093

Ion Ratio Lower Upper

43 100

72 25.1 19.9 29.9



#26

2,2-Dichloropropane

Concen: 57.449 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005545.D

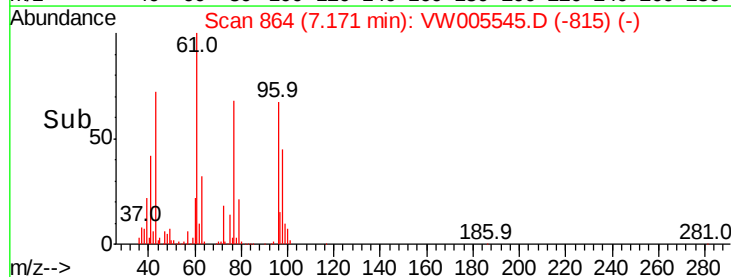
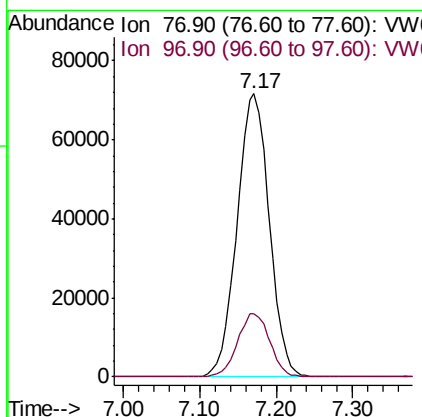
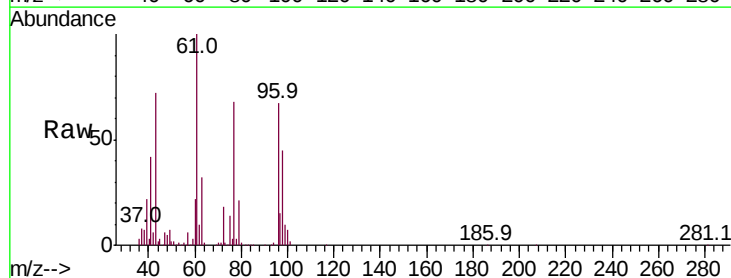
Acq: 20 Sep 2018 22:19

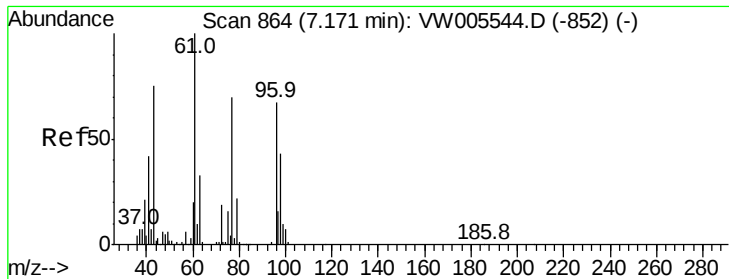
Tgt Ion: 77 Resp: 209450

Ion Ratio Lower Upper

77 100

97 22.3 11.0 33.0



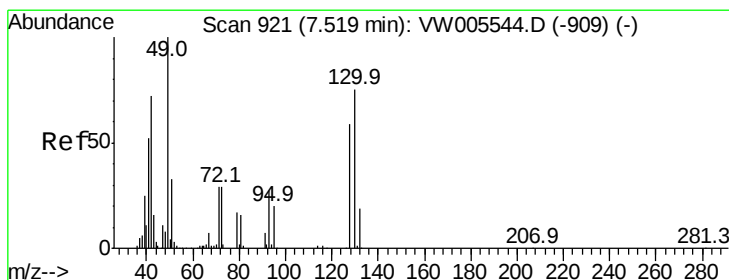
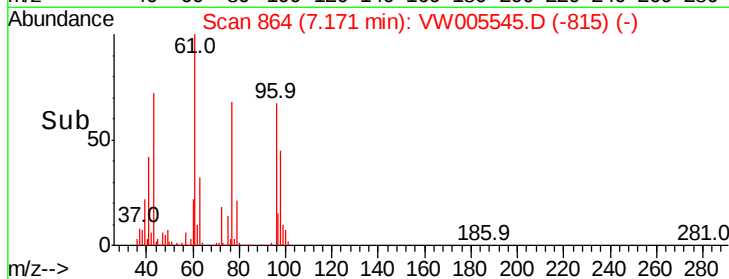
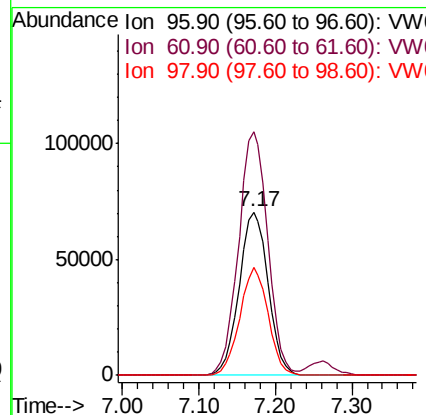
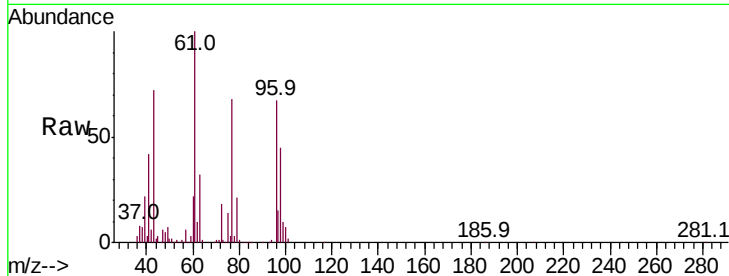


#27

cis-1,2-Dichloroethene
 Concen: 74.153 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Instrument :
 MSVOA_W
 ClientSampleId :

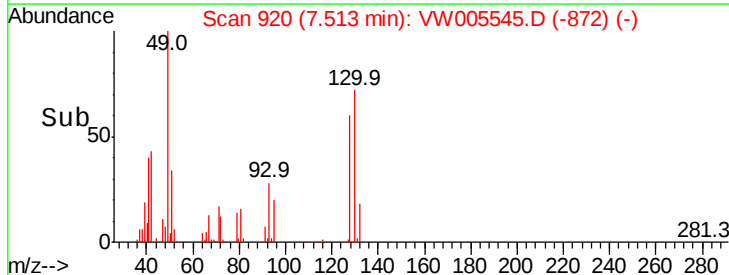
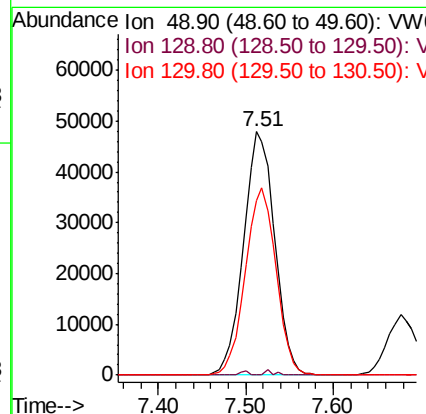
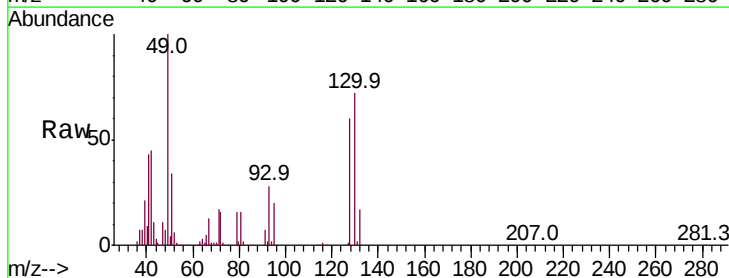
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	303.4
98	64.5	0.0	127.2

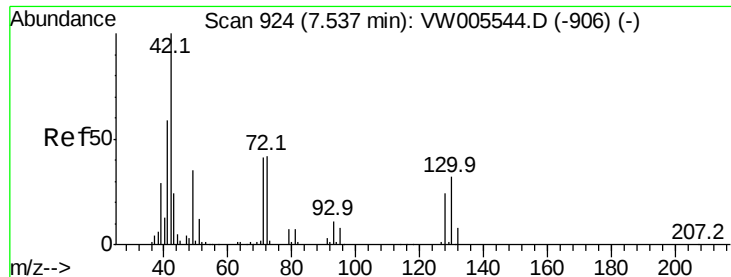


#28

Bromochloromethane
 Concen: 71.533 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.4
130	76.1	61.3	91.9

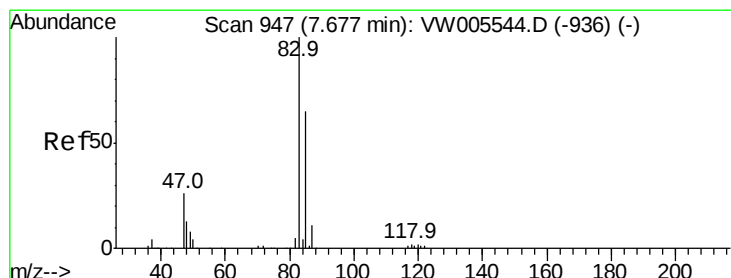
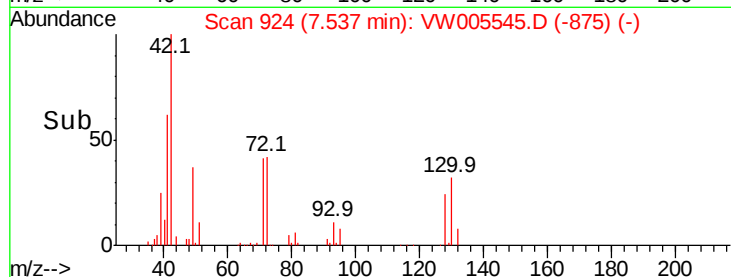
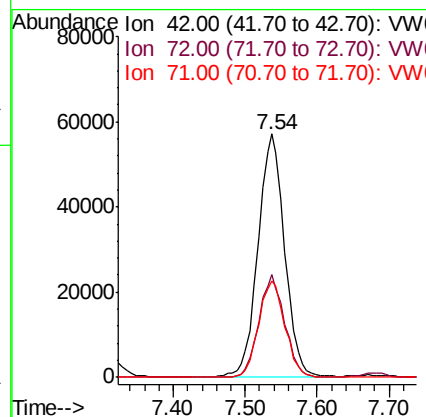
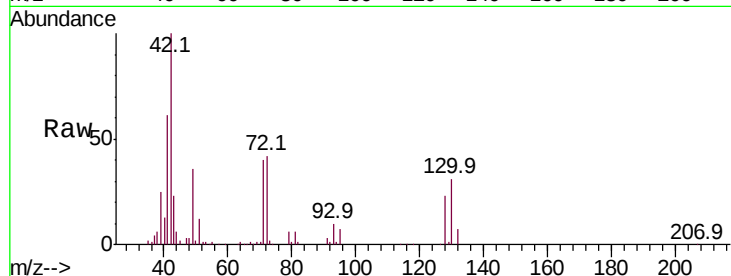




#29
Tetrahydrofuran
Concen: 374.663 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

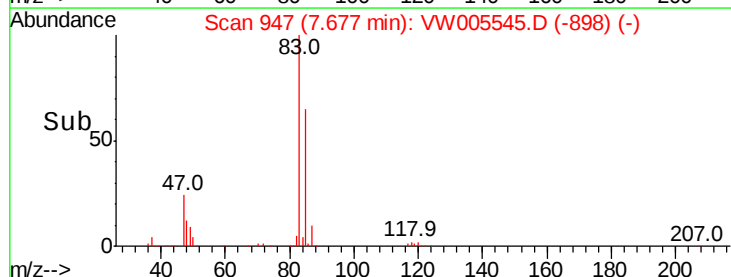
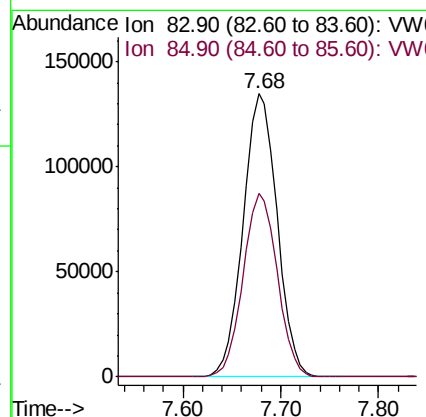
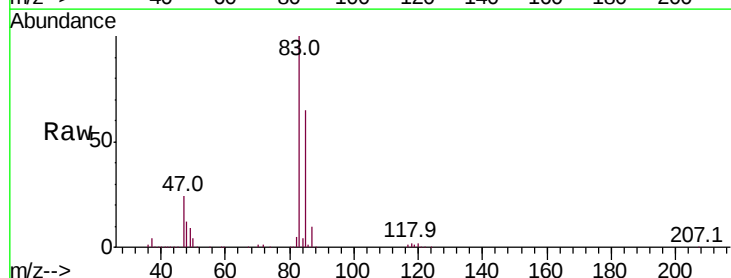
Instrument :
MSVOA_W
ClientSampled :

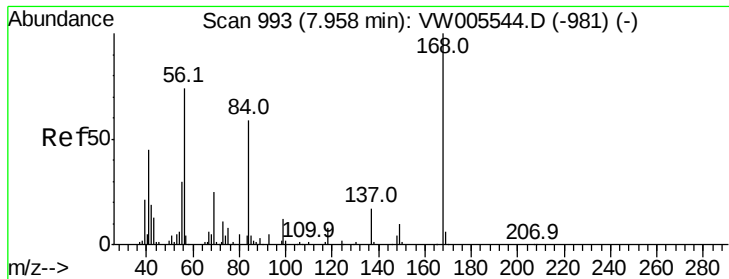
Tot Ion: 42 Resp: 147093
Ion Ratio Lower Upper
42 100
72 40.7 33.6 50.4
71 39.1 31.8 47.6



#30
Chloroform
Concen: 73.631 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion: 83 Resp: 325281
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.6

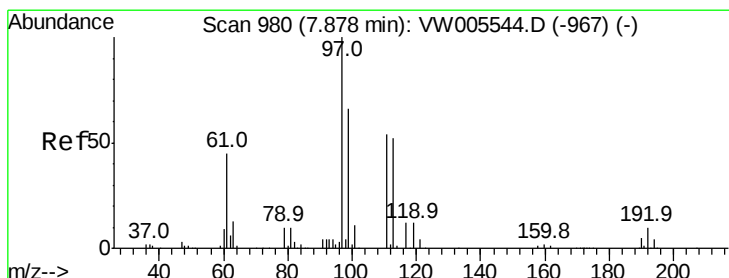
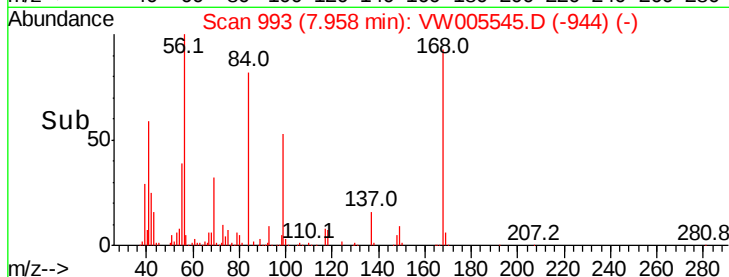
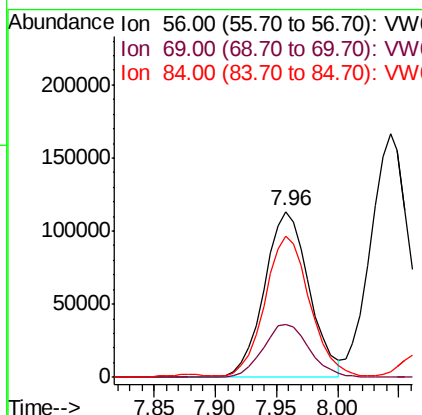
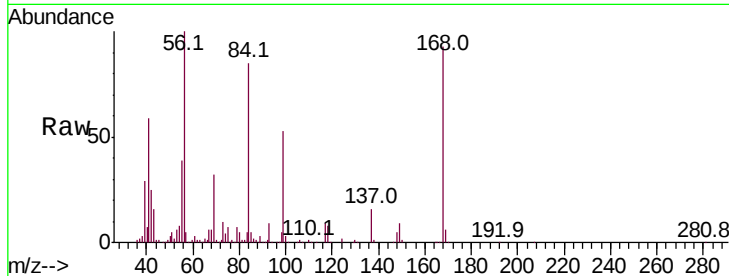




#31
Cyclohexane
Concen: 71.133 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

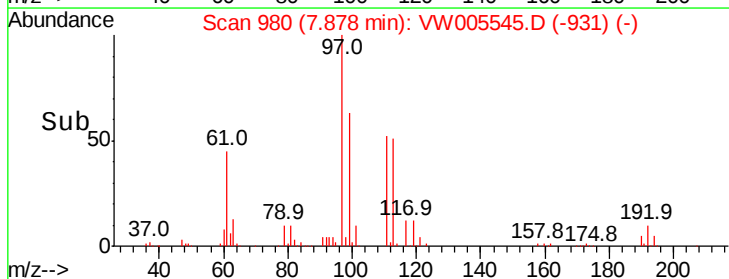
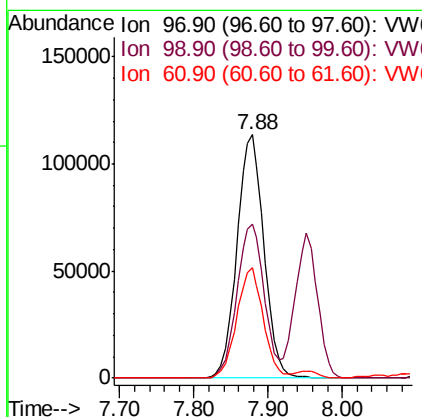
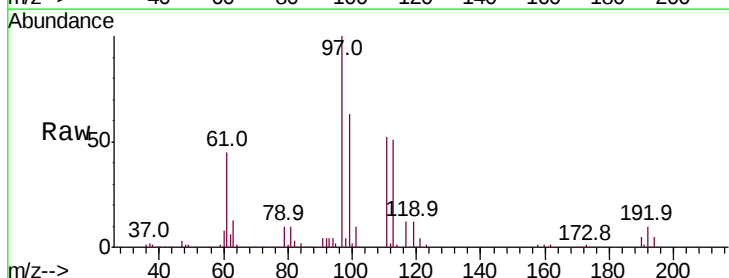
Instrument :
MSVOA_W
ClientSampled :

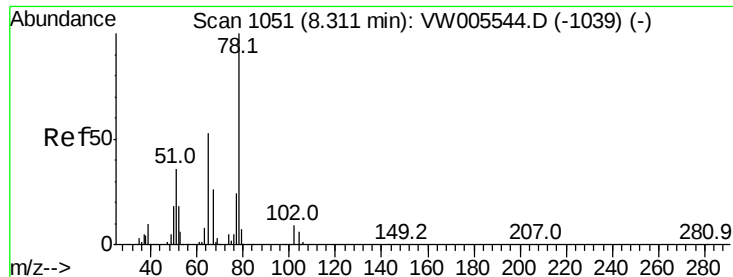
Tot Ion: 56 Resp: 289057
Ion Ratio Lower Upper
56 100
69 32.0 27.0 40.4
84 83.2 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 71.362 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion: 97 Resp: 287947
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 44.7 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 76.282 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

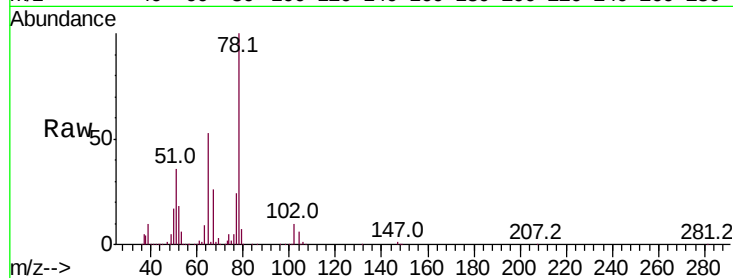
ClientSampled :

Tot Ion: 65 Resp: 197716

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

100000

80000

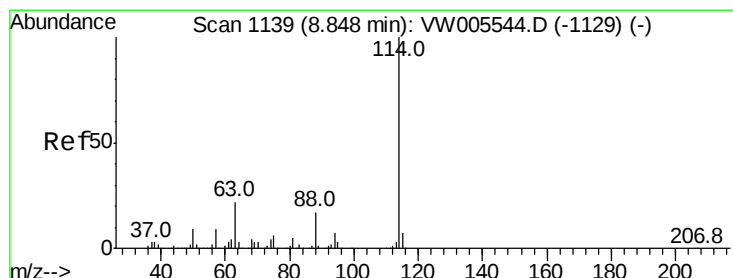
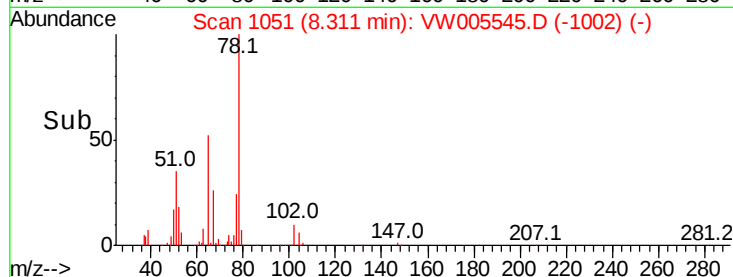
60000

40000

20000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

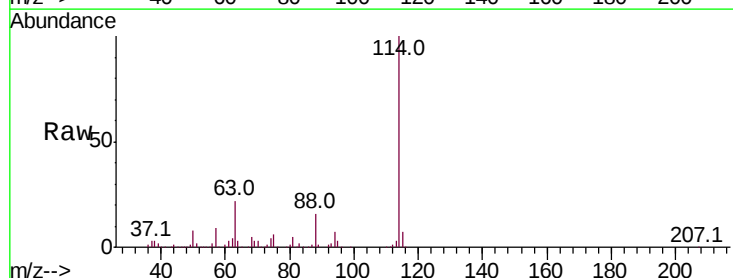
Tgt Ion: 114 Resp: 363224

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.0

88 16.1 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

250000

200000

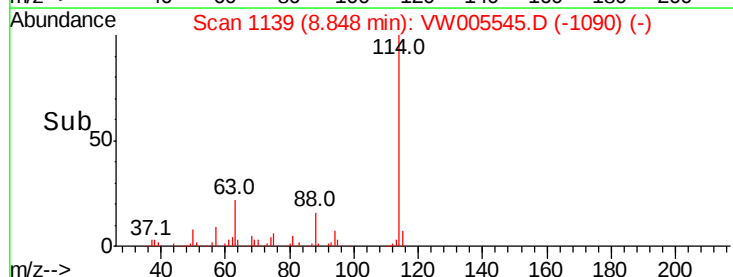
150000

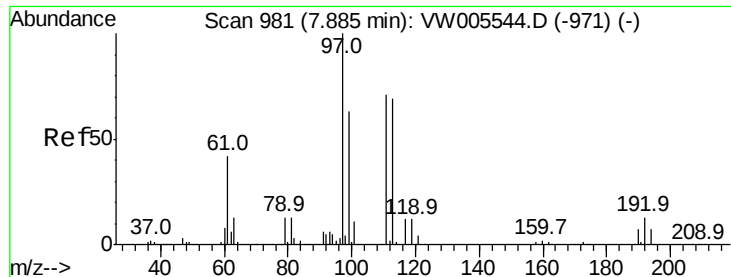
100000

50000

0

Time--> 8.80 8.90

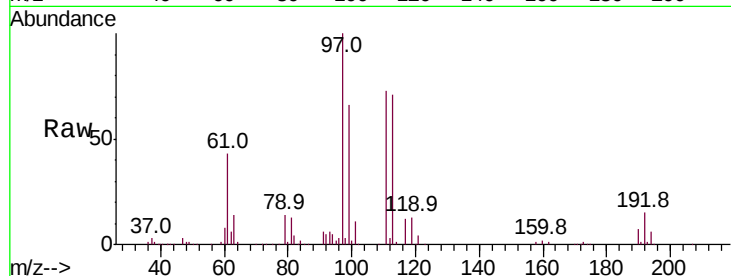




#35
 Dibromofluoromethane
 Concen: 78.529 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	123.8
192	21.1	17.0	25.4

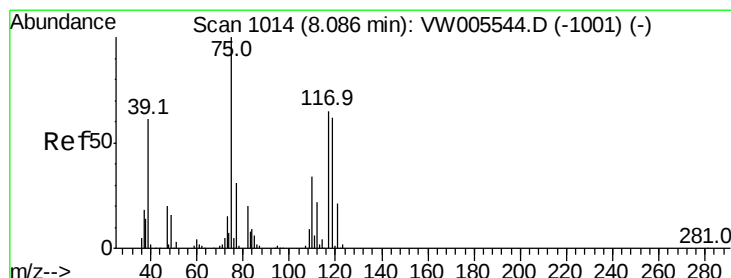
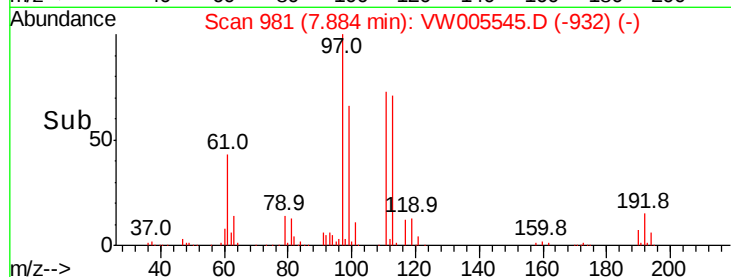
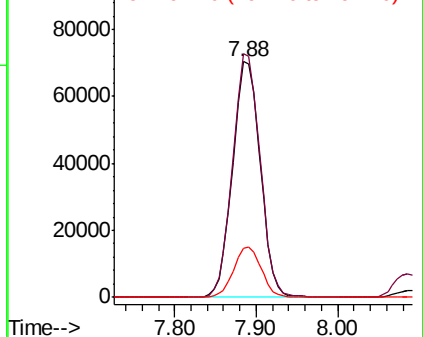


Abundance

Ion 112.80 (112.50 to 113.50): V

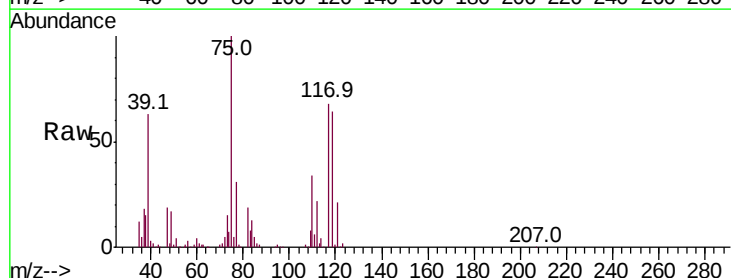
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 73.259 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	50.9
77	31.4	24.8	37.2

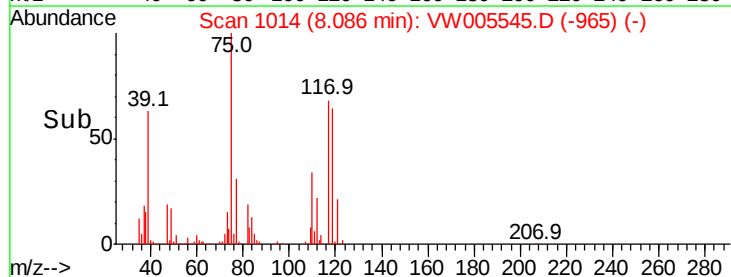
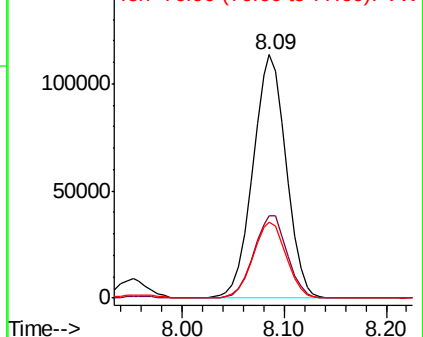


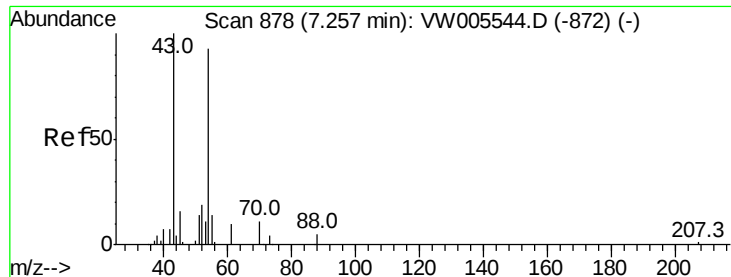
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

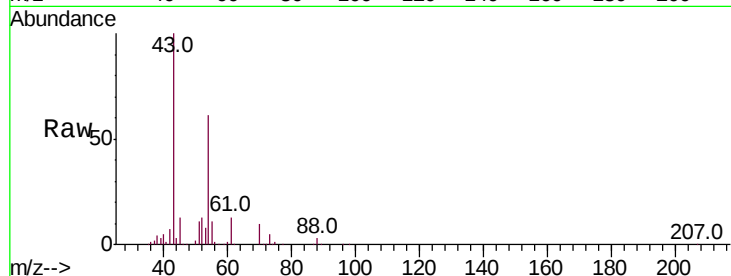




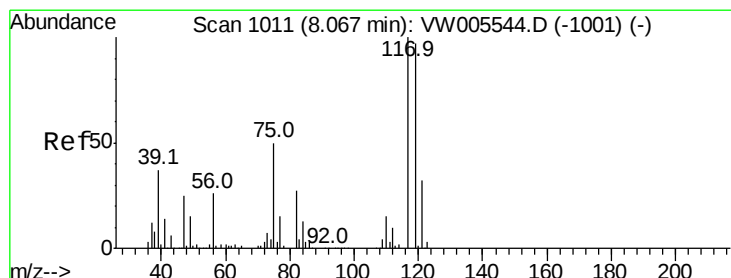
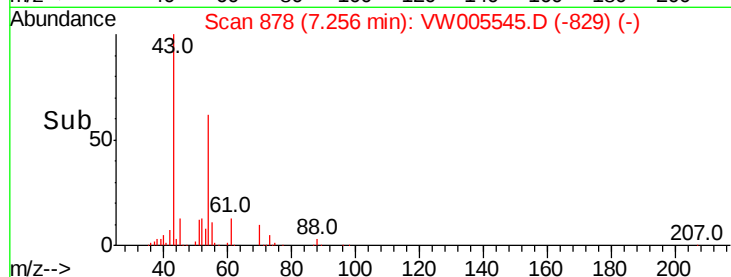
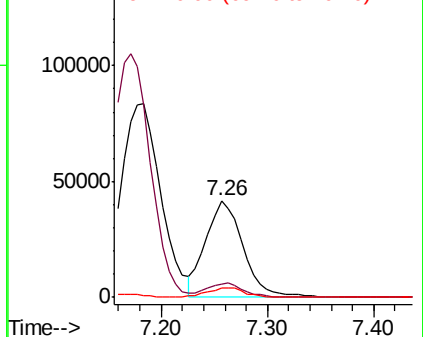
#37
Ethyl Acetate
Concen: 70.022 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 100281
Ion Ratio Lower Upper
43 100
61 13.4 10.4 15.6
70 10.1 8.2 12.2

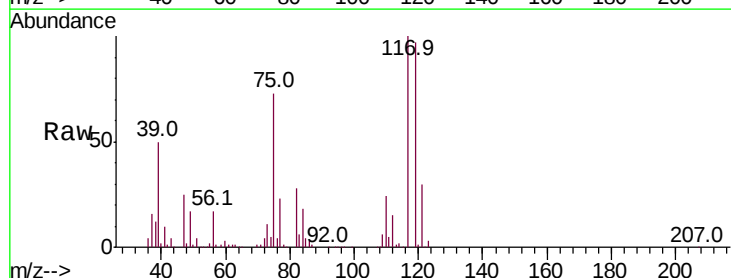


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

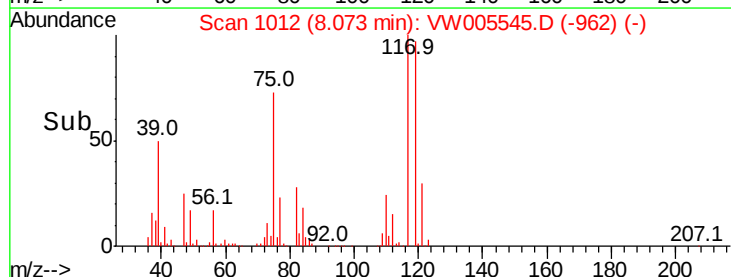
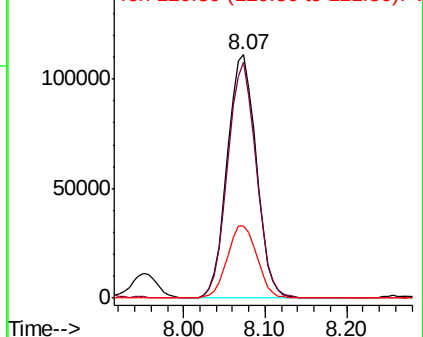


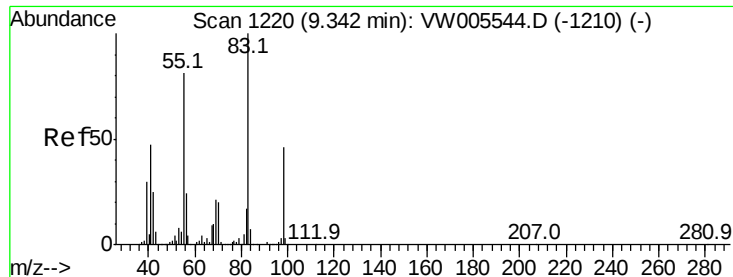
#38
Carbon Tetrachloride
Concen: 74.635 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion: 117 Resp: 273523
Ion Ratio Lower Upper
117 100
119 97.2 77.6 116.4
121 29.6 25.7 38.5



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

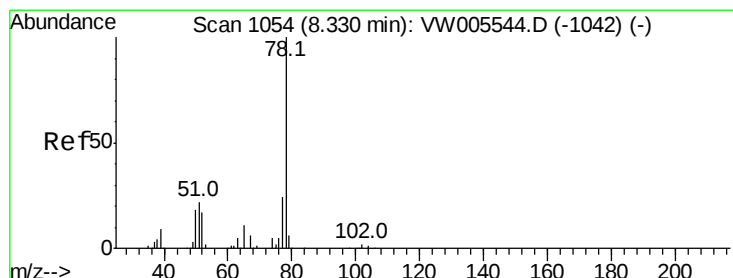
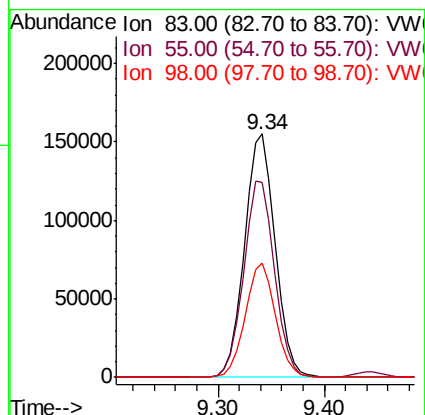
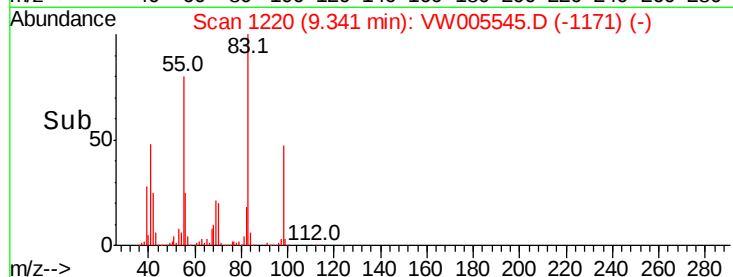
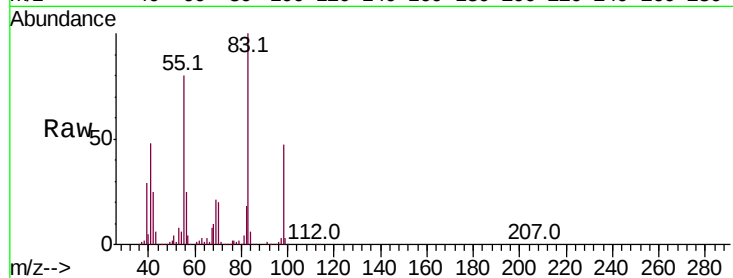




#39
Methvlcvclohexane
Concen: 77.509 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

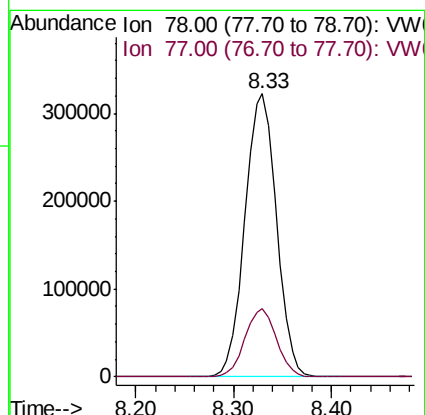
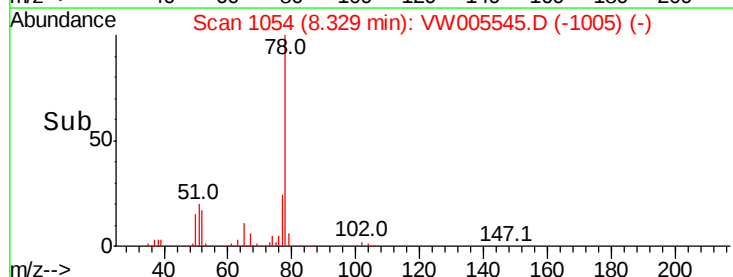
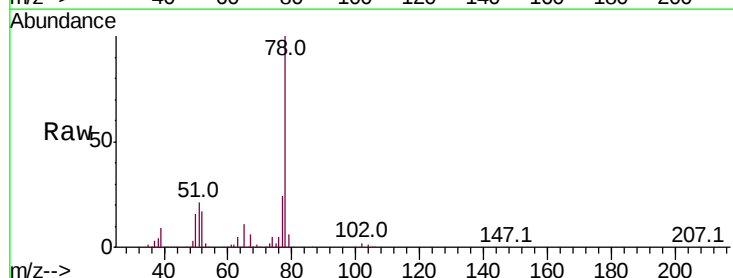
Instrument :
MSVOA_W
ClientSampleId :

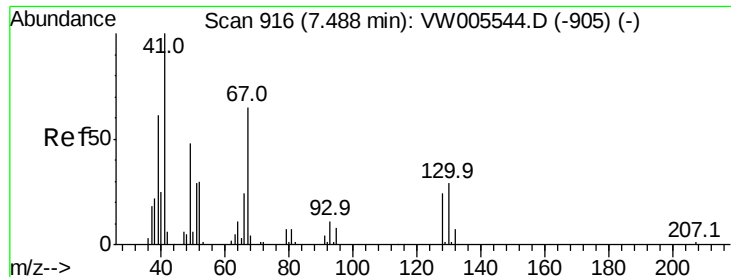
Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	64.6	97.0
98	46.8	37.0	55.6



#40
Benzene
Concen: 71.575 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4

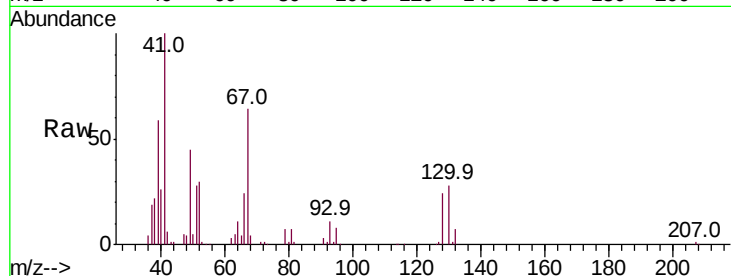




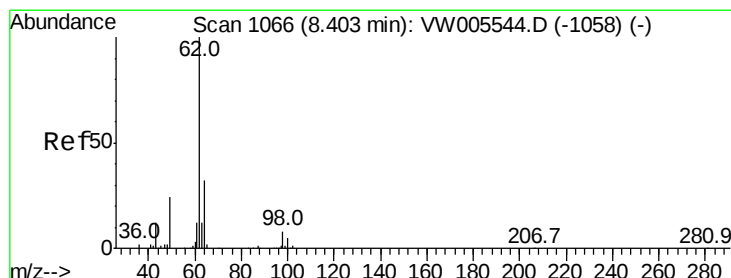
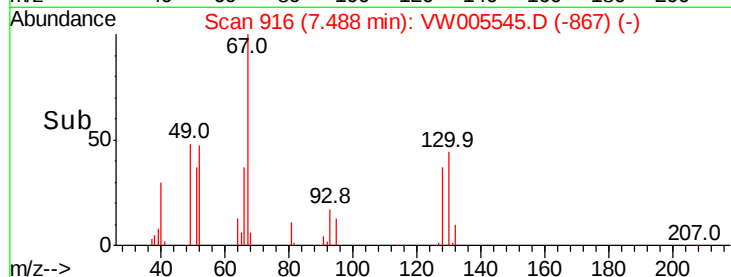
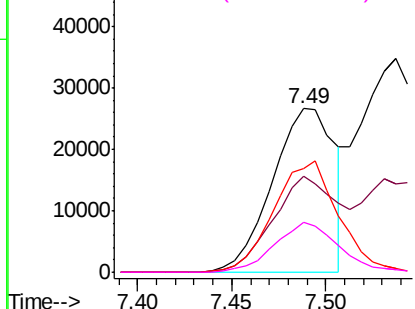
#41
Methacrylonitrile
Concen: 71.207 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 61085
Ion Ratio Lower Upper
41 100
39 63.0 45.4 68.2
67 70.6 55.2 82.8
52 31.6 25.3 37.9

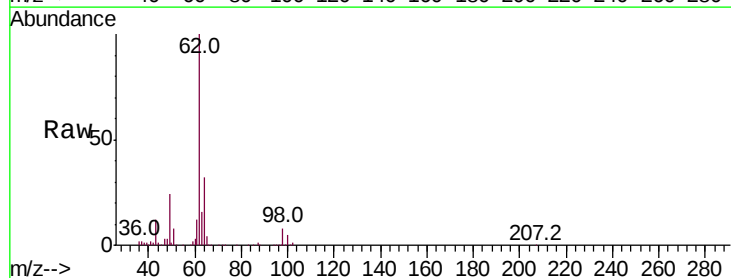


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

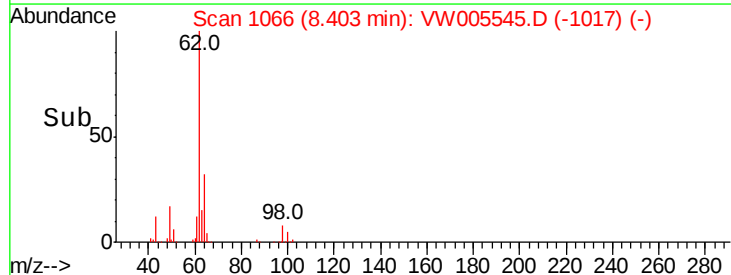
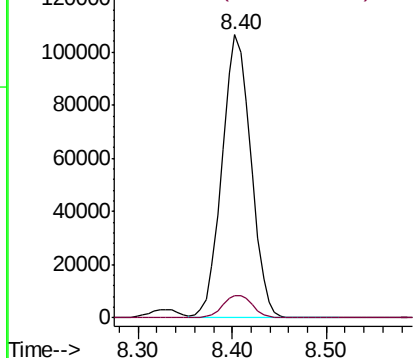


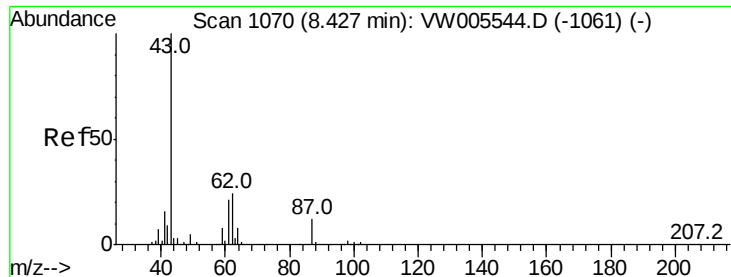
#42
1,2-Dichloroethane
Concen: 71.435 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion: 62 Resp: 227199
Ion Ratio Lower Upper
62 100
98 8.2 0.0 15.6



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



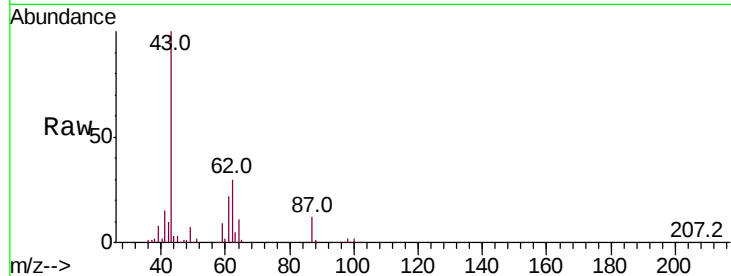


#43

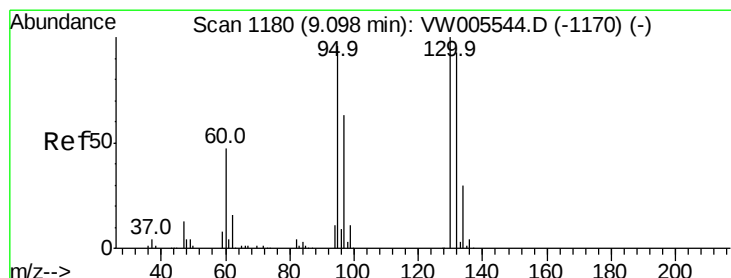
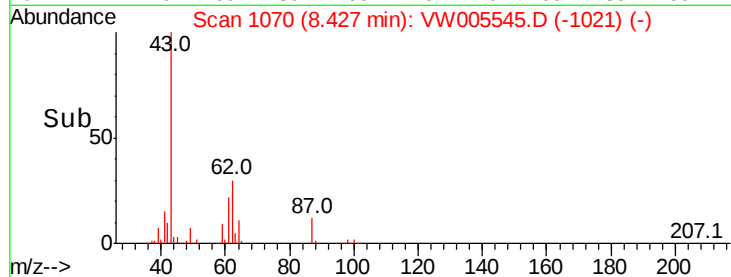
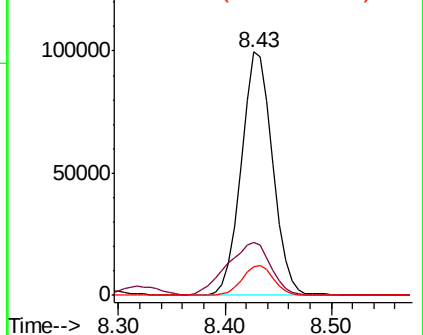
Isopropyl Acetate
 Concen: 74.295 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 43 Resp: 206402
 Ion Ratio Lower Upper
 43 100
 61 29.8 24.1 36.1
 87 12.3 9.8 14.8



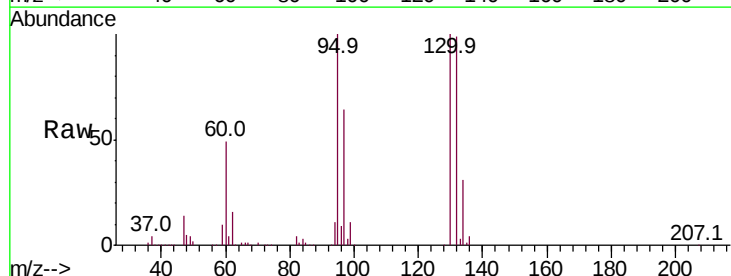
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW



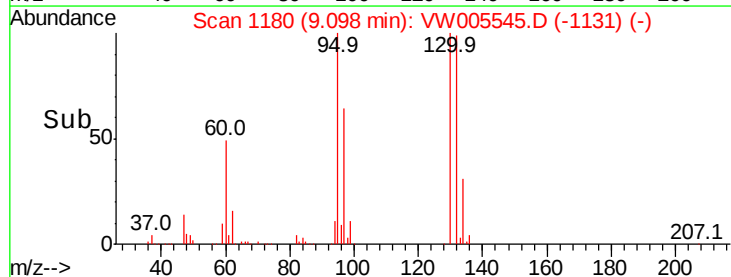
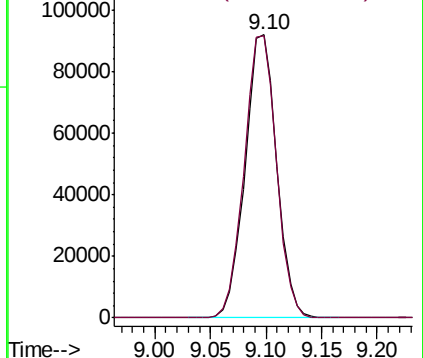
#44

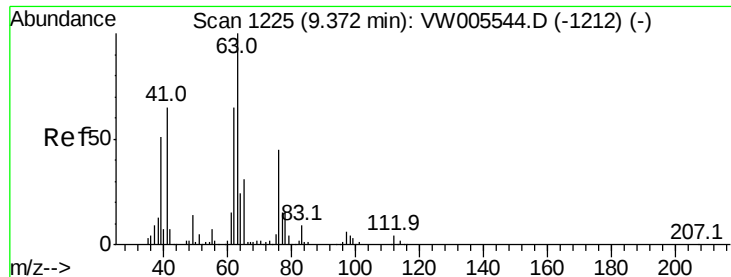
Trichloroethene
 Concen: 69.990 ug/l
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Tgt Ion:130 Resp: 181378
 Ion Ratio Lower Upper
 130 100
 95 99.8 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: 72.727 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

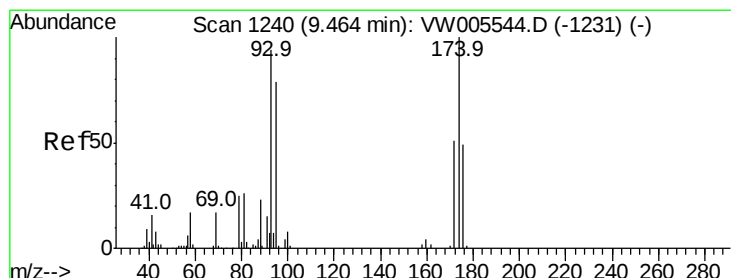
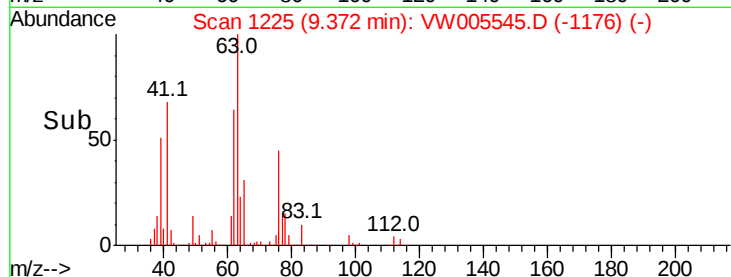
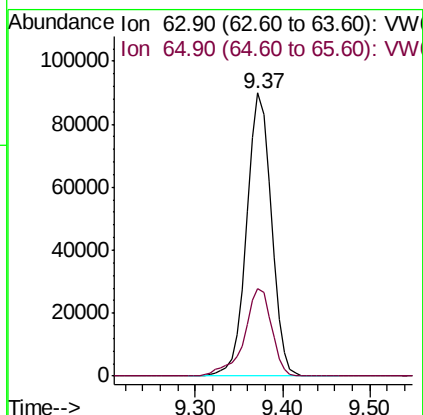
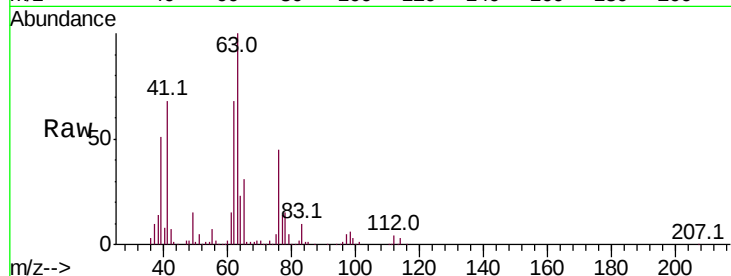
ClientSampled :

Tot Ion: 63 Resp: 176249

Ion Ratio Lower Upper

63 100

65 30.9 24.7 37.1



#46

Dibromomethane

Concen: 72.250 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

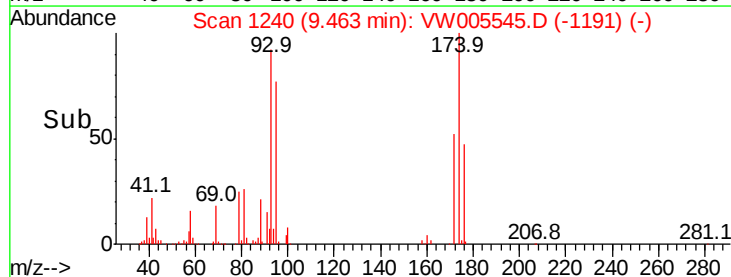
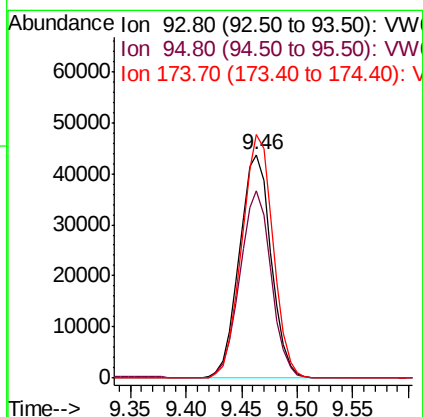
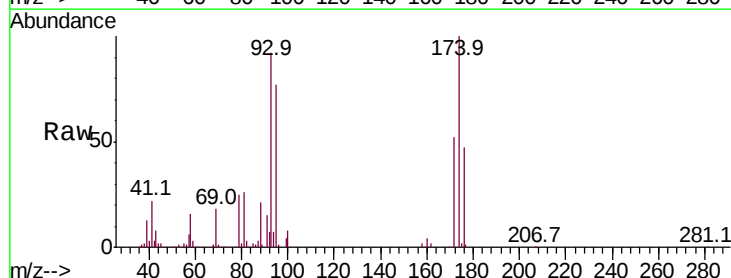
Tgt Ion: 93 Resp: 86527

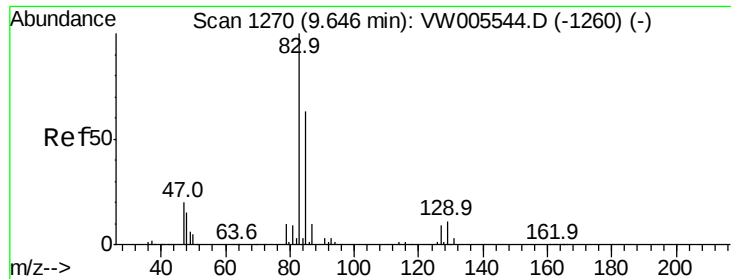
Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.8

174 107.7 84.0 126.0





#47

Bromodichloromethane

Concen: 74.316 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

ClientSampleId :

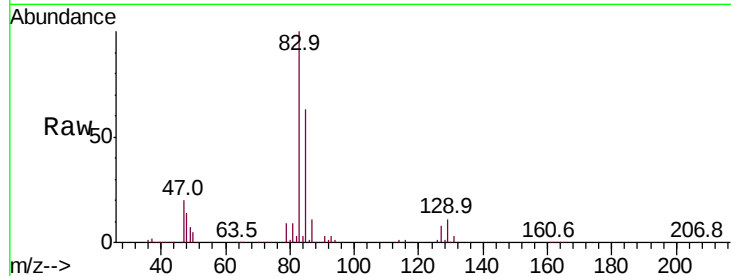
Tot Ion: 83 Resp: 240429

Ion Ratio Lower Upper

83 100

85 63.4 50.5 75.7

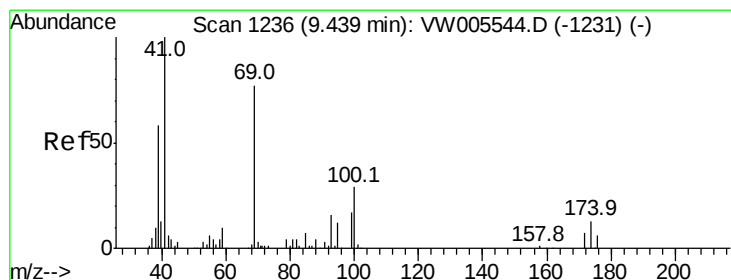
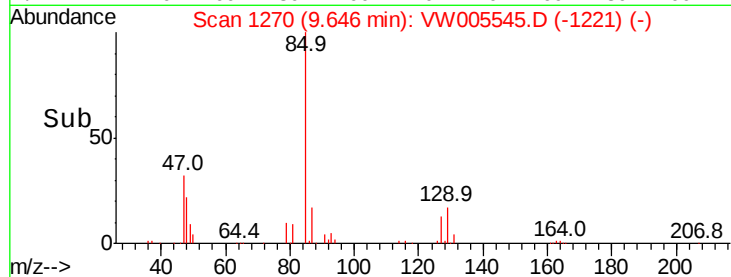
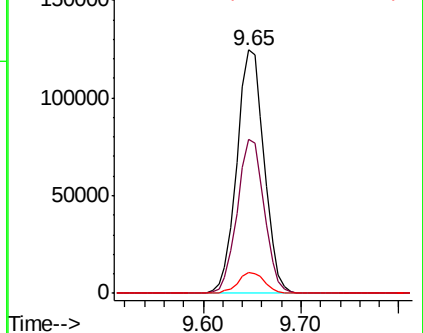
127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 74.915 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

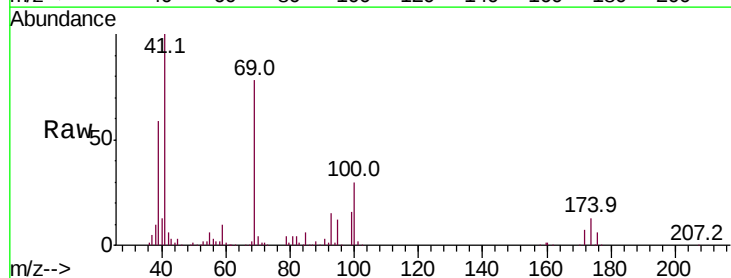
Tgt Ion: 41 Resp: 102945

Ion Ratio Lower Upper

41 100

69 81.7 64.7 97.1

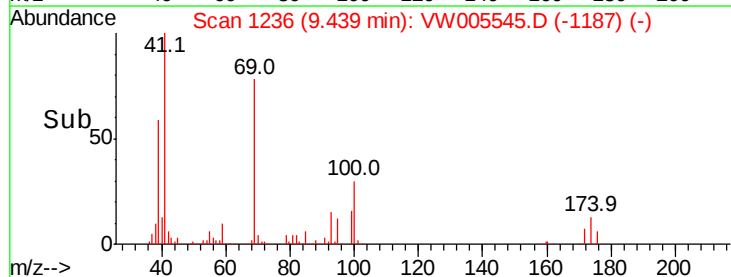
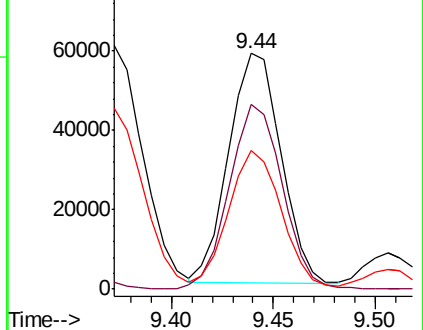
39 57.9 50.5 75.7

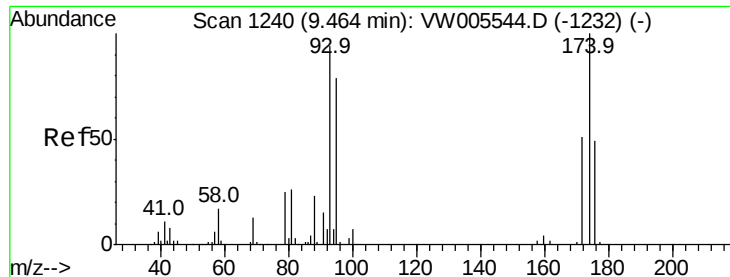


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1428.947 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :
MSVOA_W
ClientSampleId :

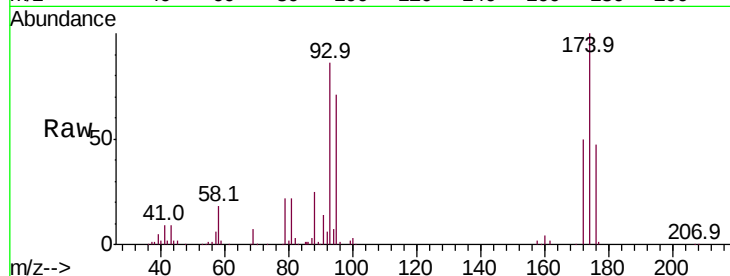
Tot Ion: 88 Resp: 27820

Ion Ratio Lower Upper

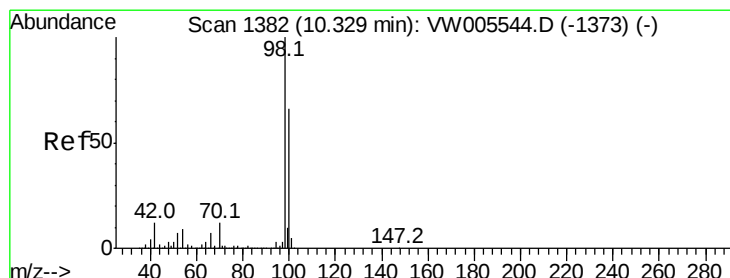
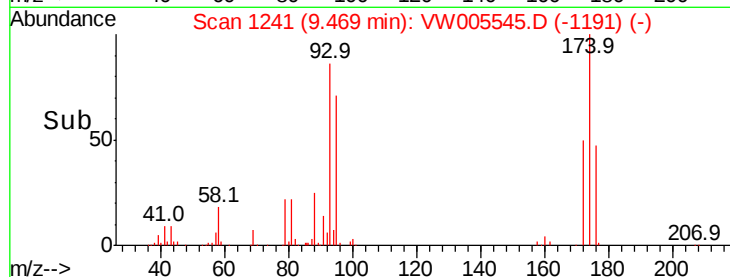
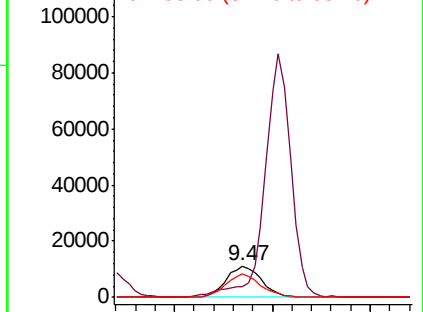
88 100

43 0.0 0.0 0.0

58 75.2 61.2 91.8



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 72.550 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005545.D

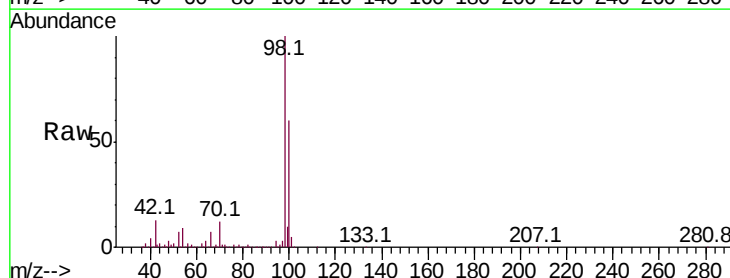
Acq: 20 Sep 2018 22:19

Tgt Ion: 98 Resp: 680446

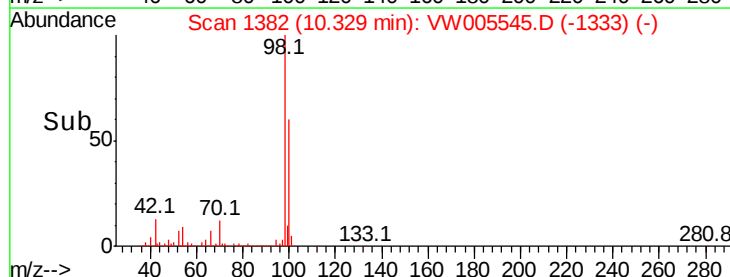
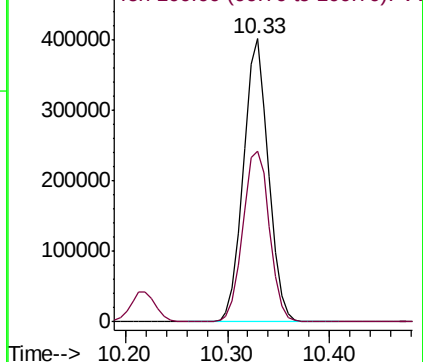
Ion Ratio Lower Upper

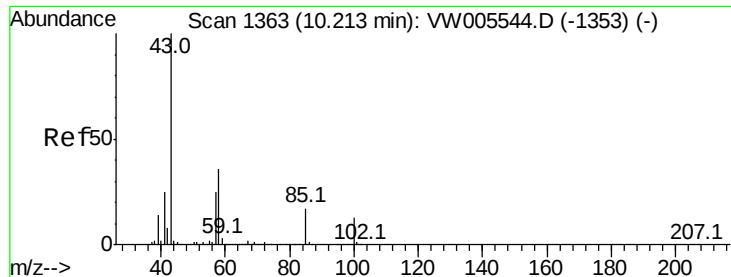
98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 371.920 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

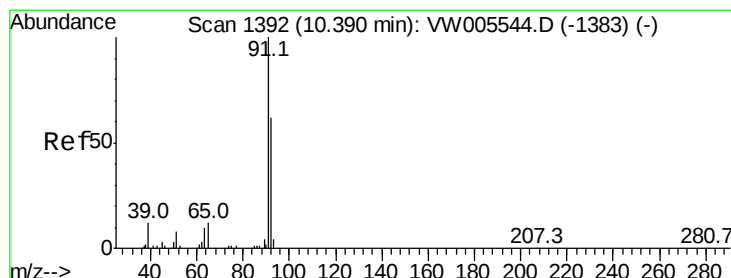
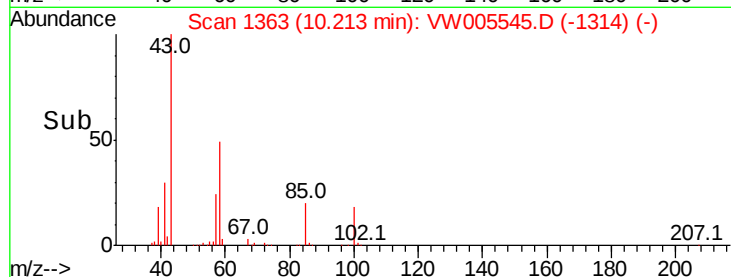
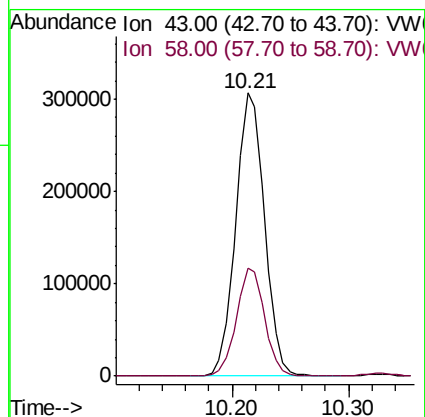
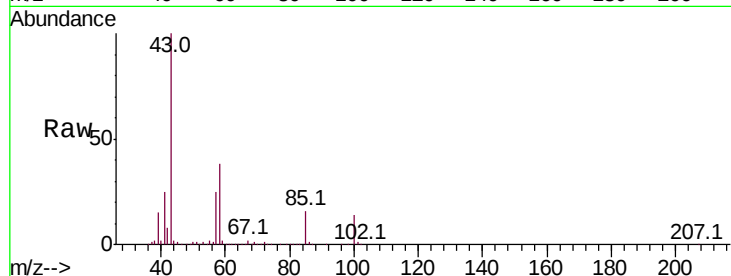
ClientSampled :

Tot Ion: 43 Resp: 528470

Ion Ratio Lower Upper

43 100

58 37.3 30.0 45.0



#52

Toluene

Concen: 67.017 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005545.D

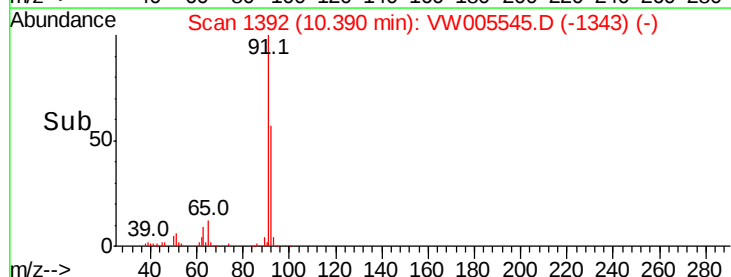
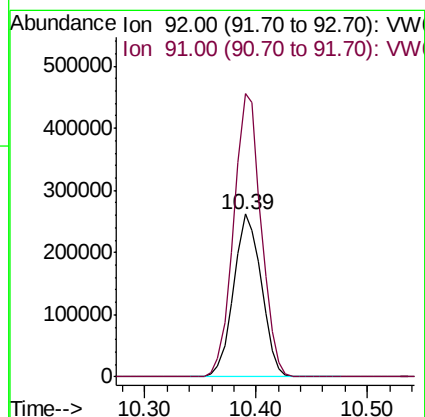
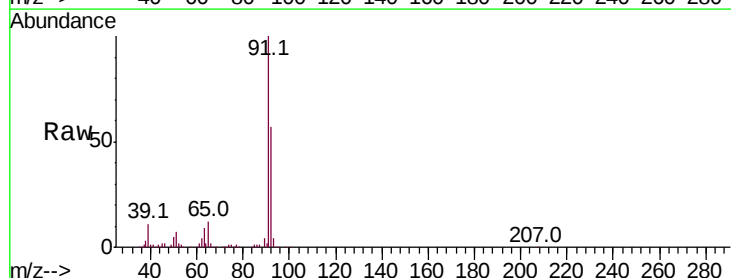
Acq: 20 Sep 2018 22:19

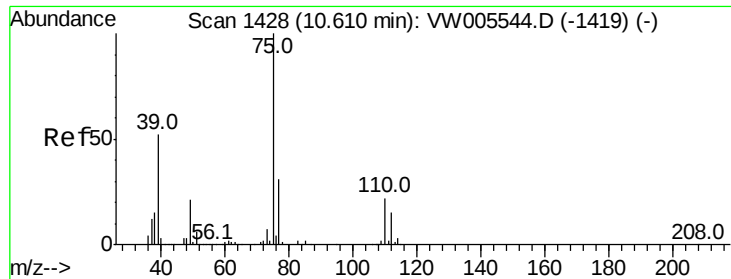
Tgt Ion: 92 Resp: 450113

Ion Ratio Lower Upper

92 100

91 172.7 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 75.193 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

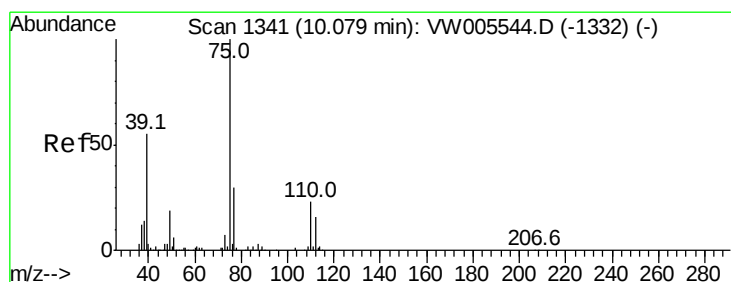
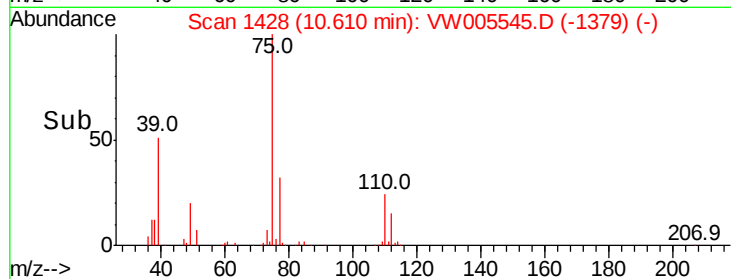
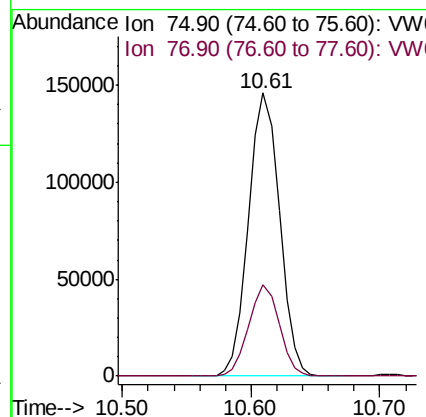
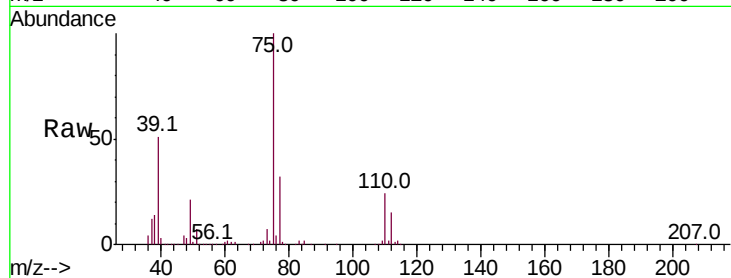
ClientSampleId :

Tot Ion: 75 Resp: 243587

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 74.690 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

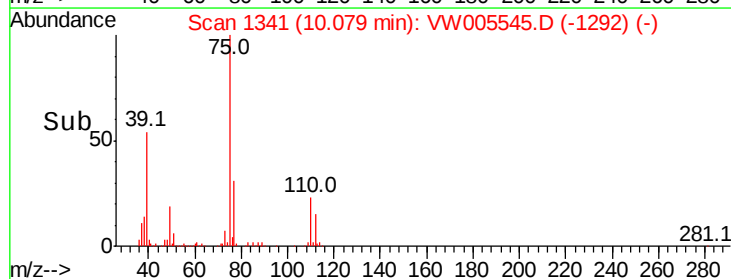
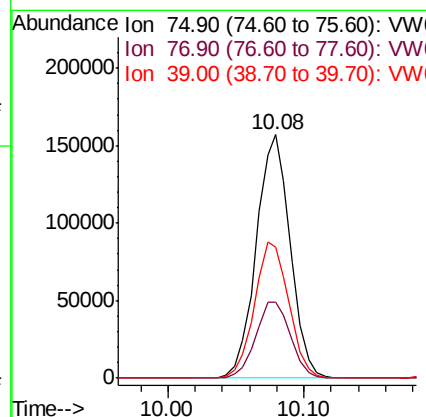
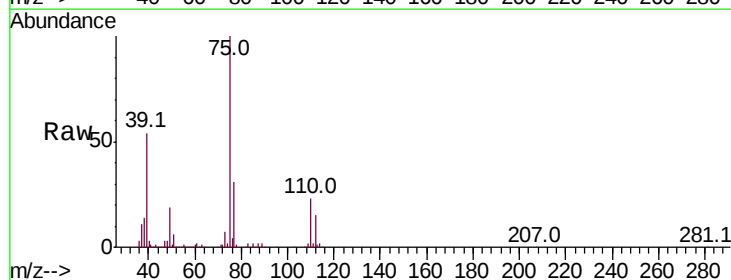
Tgt Ion: 75 Resp: 273817

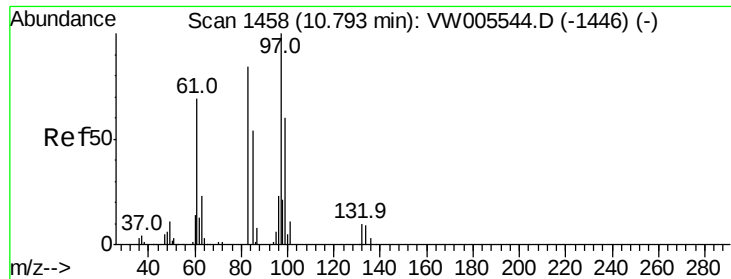
Ion Ratio Lower Upper

75 100

77 31.2 24.3 36.5

39 53.8 43.7 65.5





#55

1,1,2-Trichloroethane

Concen: 69.876 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 123585

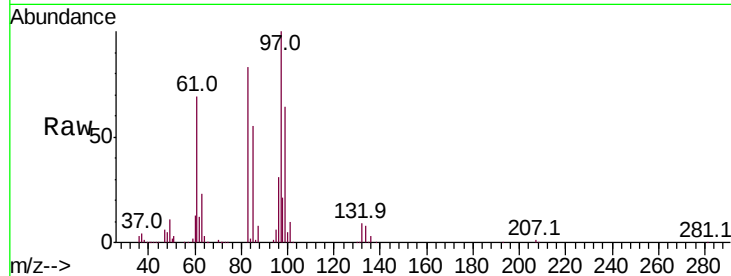
Ion Ratio Lower Upper

97 100

83 83.4 67.4 101.2

85 55.2 43.3 64.9

99 64.2 48.0 72.0

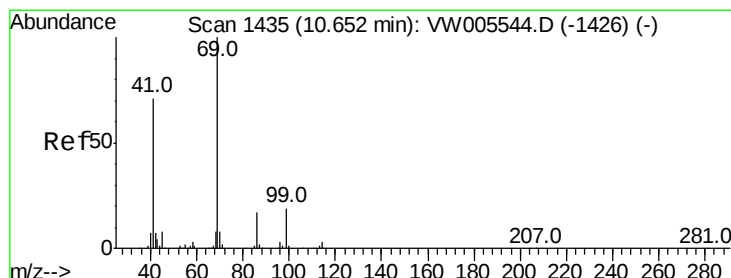
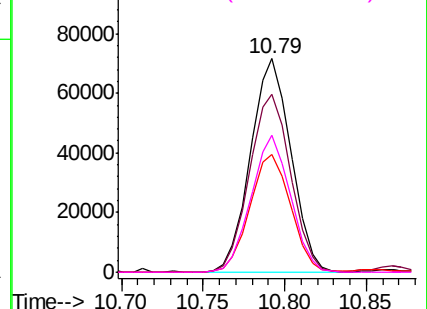
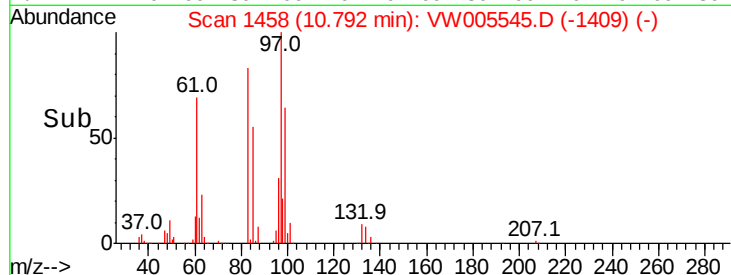


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 73.623 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

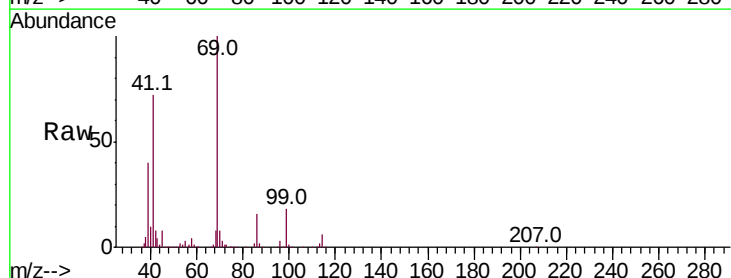
Tgt Ion: 69 Resp: 163001

Ion Ratio Lower Upper

69 100

41 72.5 57.3 85.9

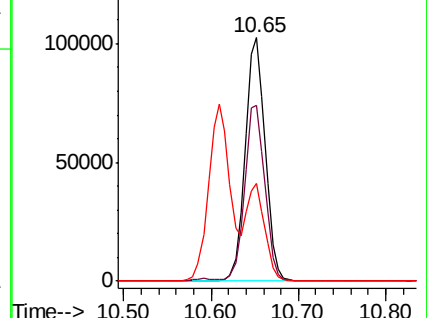
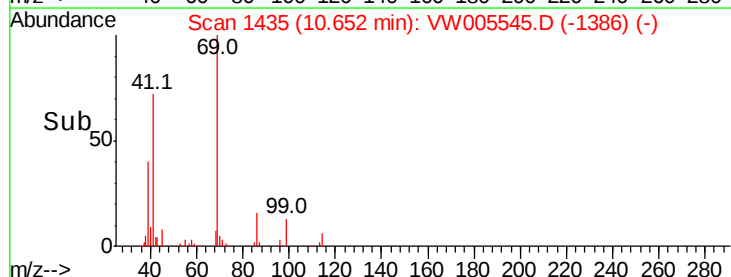
39 36.1 29.2 43.8

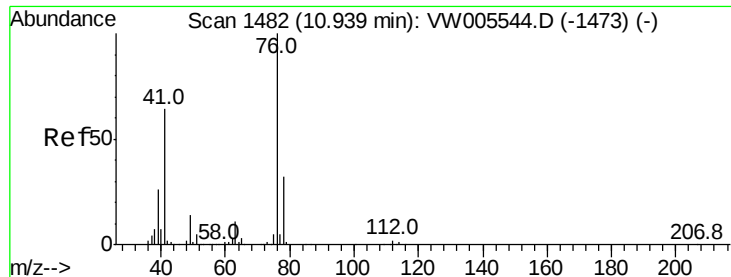


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 72.376 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

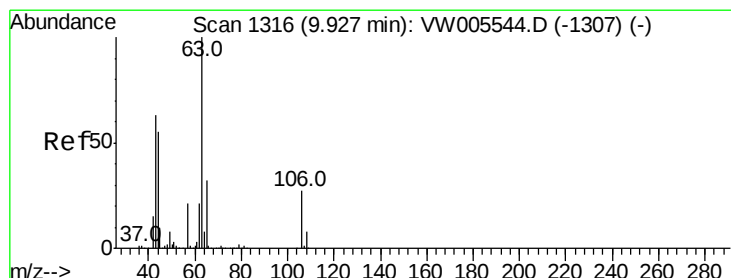
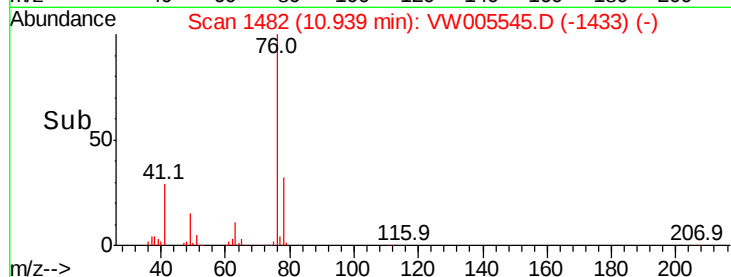
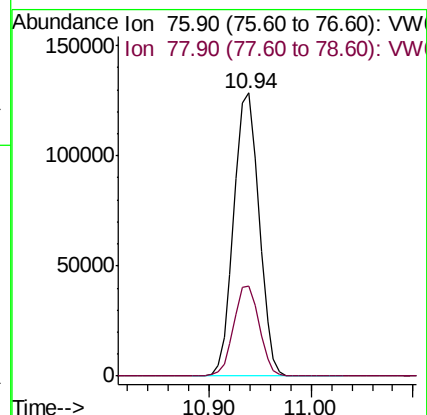
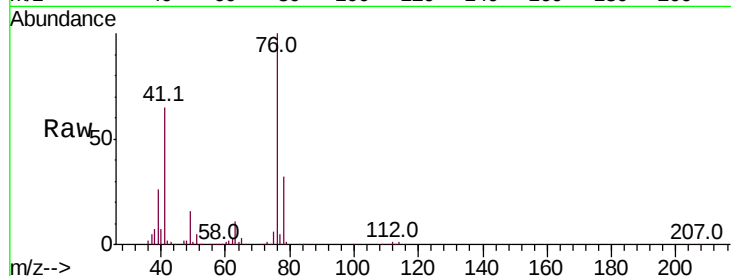
ClientSampled :

Tot Ion: 76 Resp: 220512

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 377.619 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW005545.D

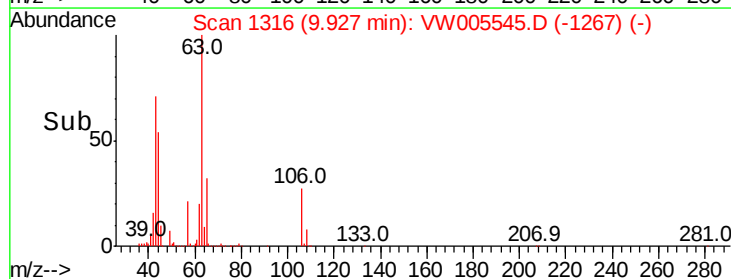
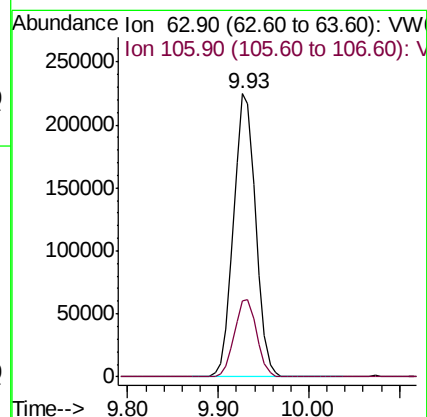
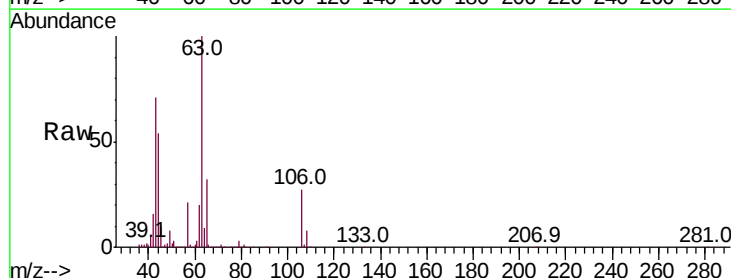
Acq: 20 Sep 2018 22:19

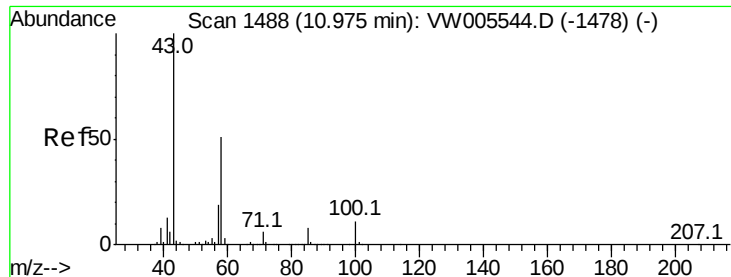
Tgt Ion: 63 Resp: 380232

Ion Ratio Lower Upper

63 100

106 27.8 21.6 32.4

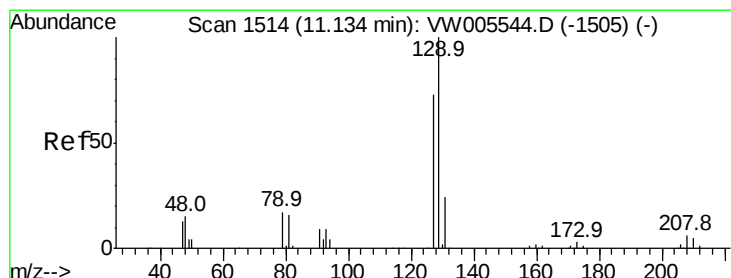
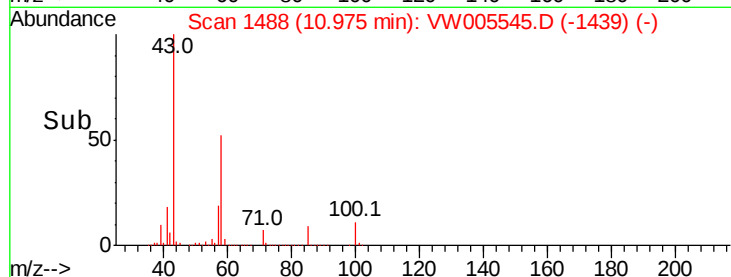
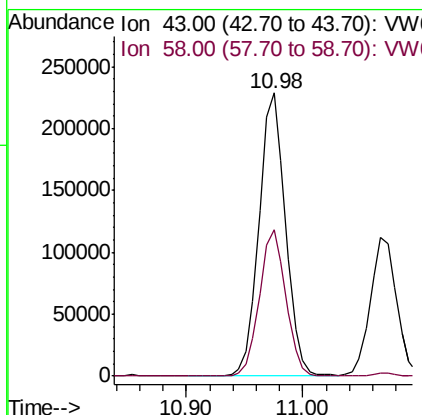
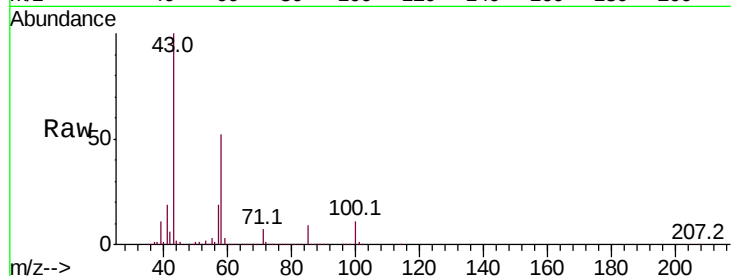




#59
2-Hexanone
Concen: 374.770 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

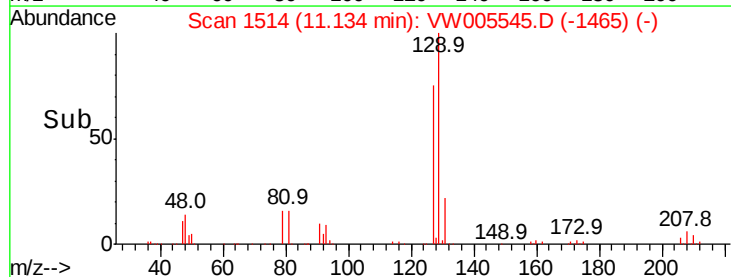
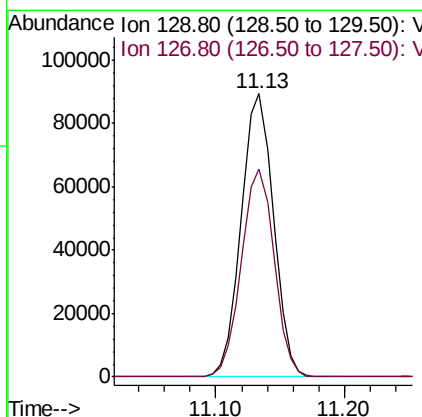
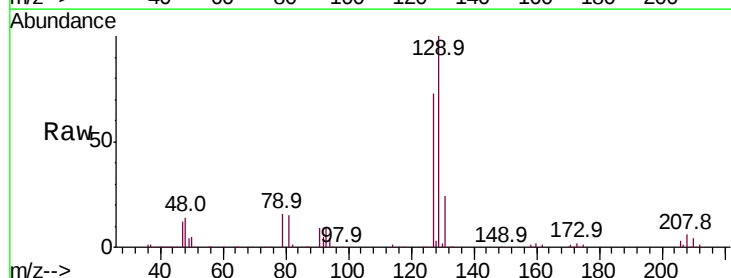
Instrument :
MSVOA_W
ClientSampled :

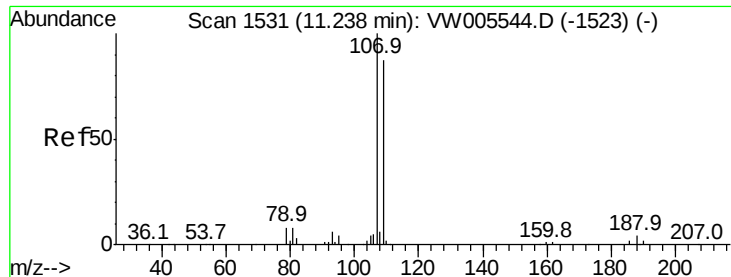
Tot Ion: 43 Resp: 361376
Ion Ratio Lower Upper
43 100
58 51.6 25.3 75.9



#60
Dibromochloromethane
Concen: 73.048 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion: 129 Resp: 155214
Ion Ratio Lower Upper
129 100
127 74.6 38.5 115.5

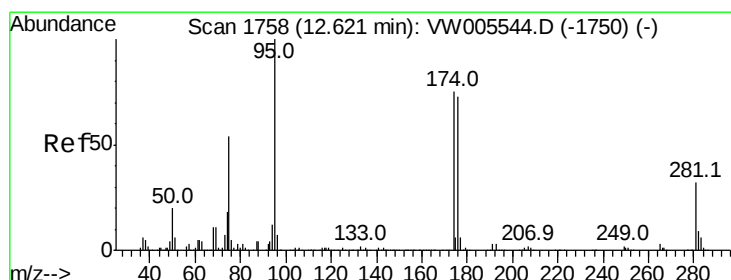
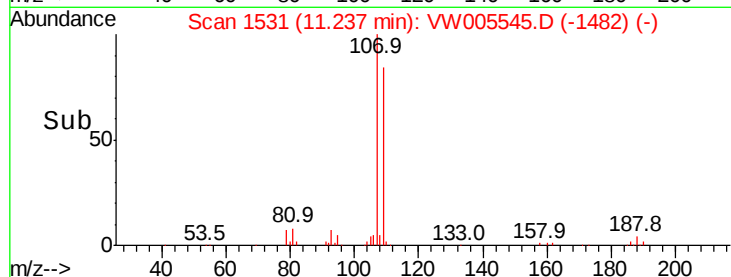
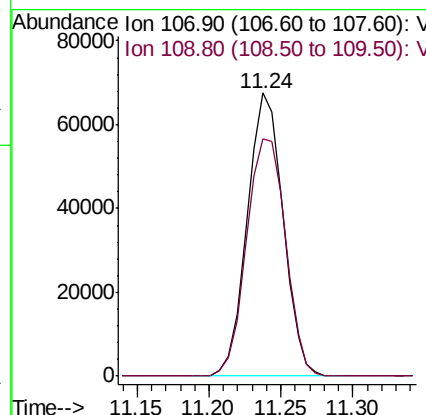
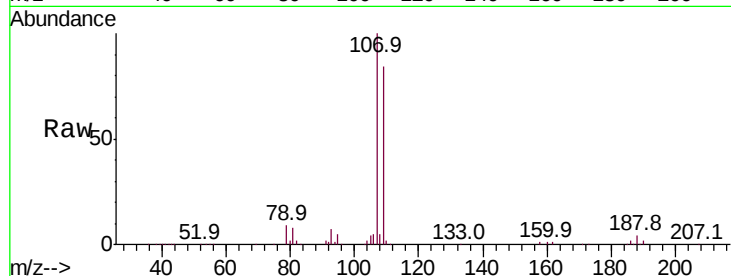




#61
 1,2-Dibromoethane
 Concen: 72.990 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

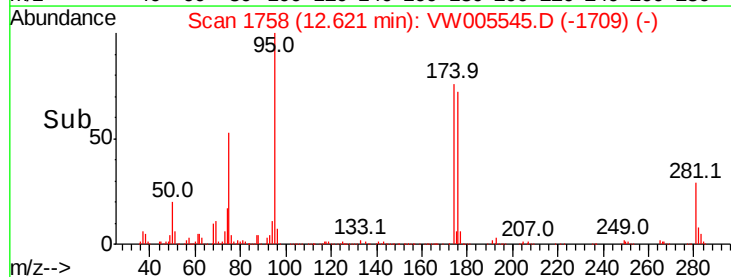
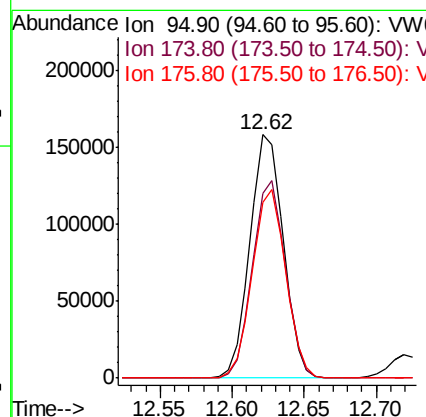
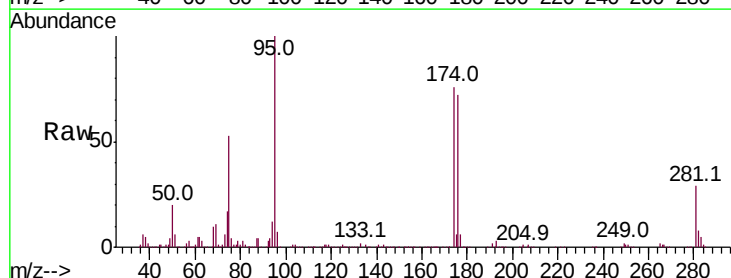
Instrument :
 MSVOA_W
 ClientSampleId :

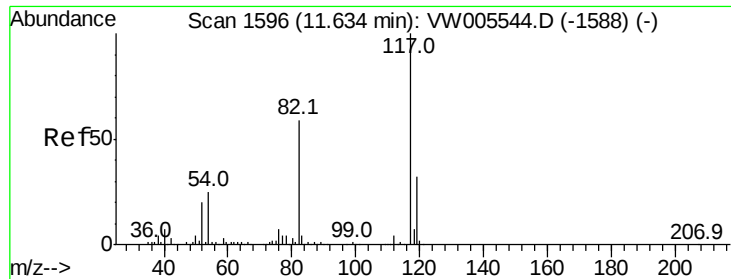
Tot Ion:107 Resp: 116171
 Ion Ratio Lower Upper
 107 100
 109 91.5 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 74.016 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Tgt Ion: 95 Resp: 254015
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 163.8
 176 77.4 0.0 158.0

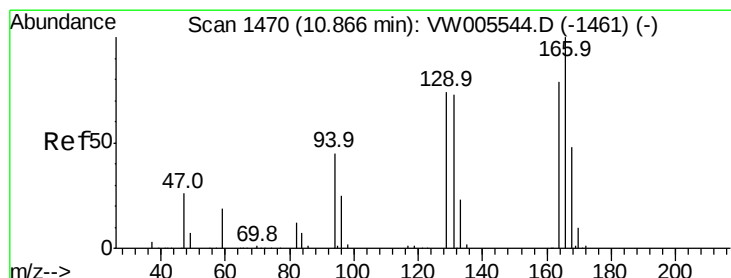
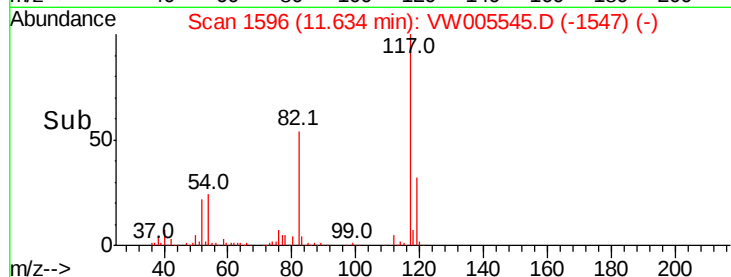
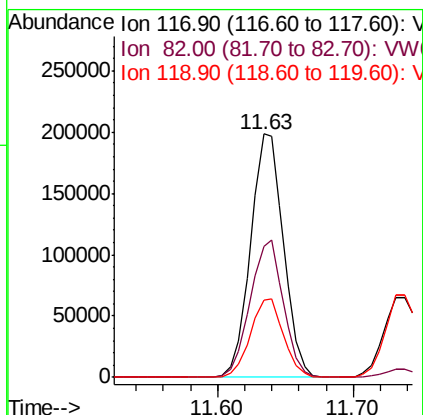
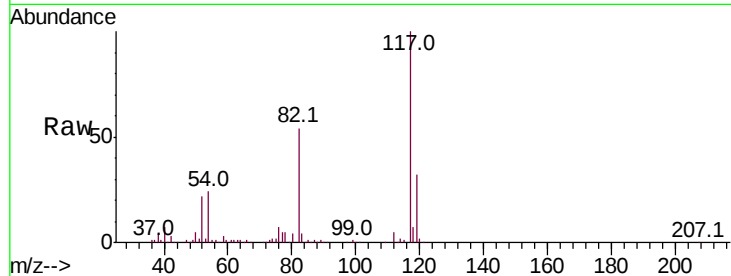




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

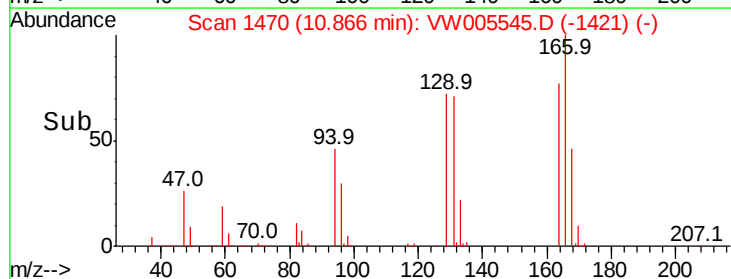
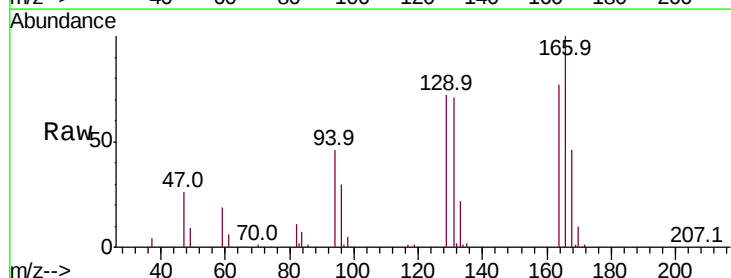
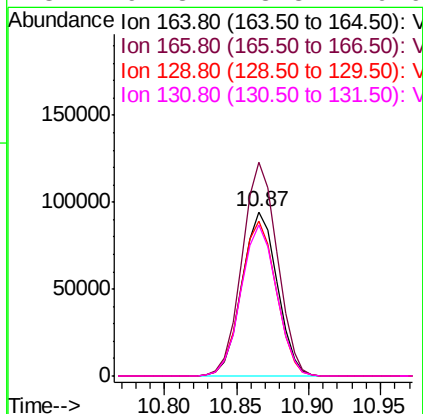
Instrument :
MSVOA_W
ClientSampled :

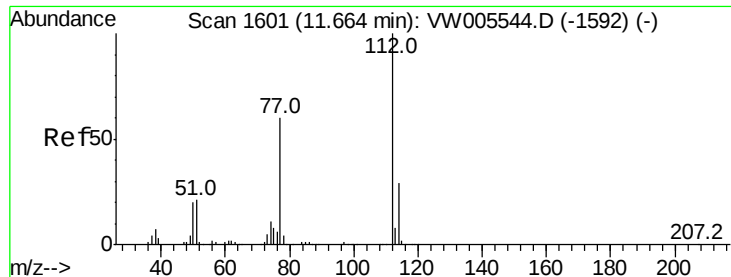
Tot Ion:117 Resp: 337407
Ion Ratio Lower Upper
117 100
82 53.8 46.9 70.3
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 64.681 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion:164 Resp: 160362
Ion Ratio Lower Upper
164 100
166 130.3 101.1 151.7
129 94.3 74.4 111.6
131 92.3 73.8 110.6





#65

Chlorobenzene

Concen: 66.377 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

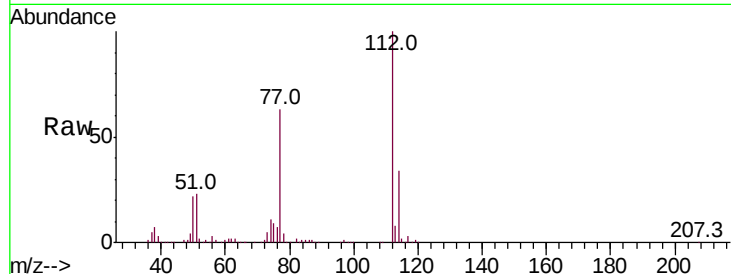
ClientSampleId :

Tot Ion:112 Resp: 477677

Ion Ratio Lower Upper

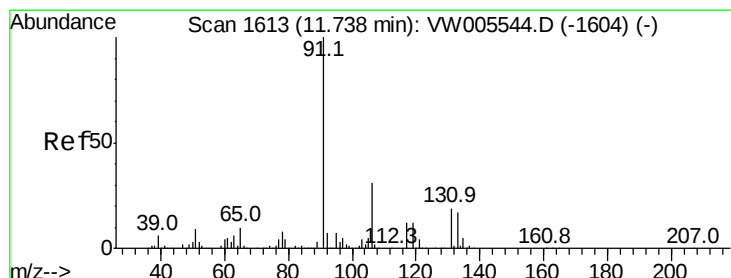
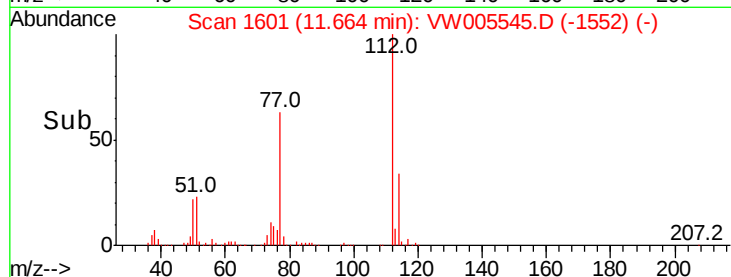
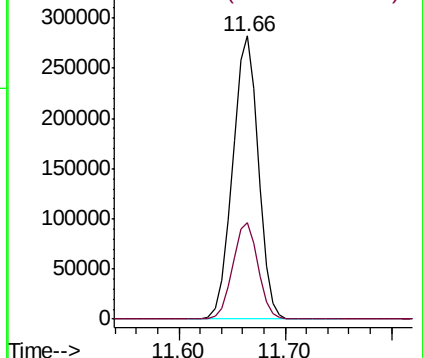
112 100

114 33.9 22.9 34.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 76.085 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

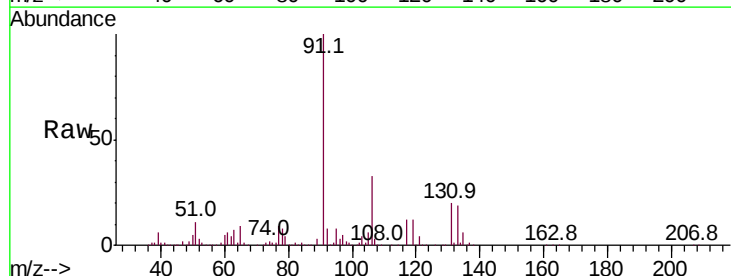
Tgt Ion:131 Resp: 178949

Ion Ratio Lower Upper

131 100

133 96.4 47.2 141.6

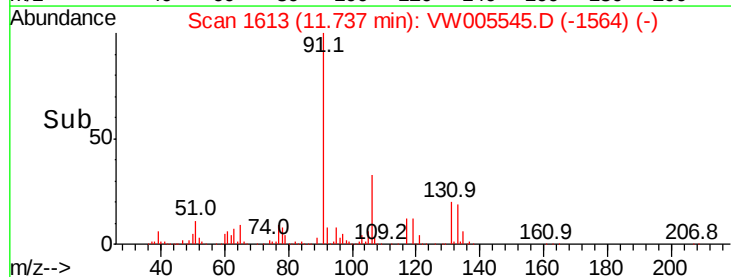
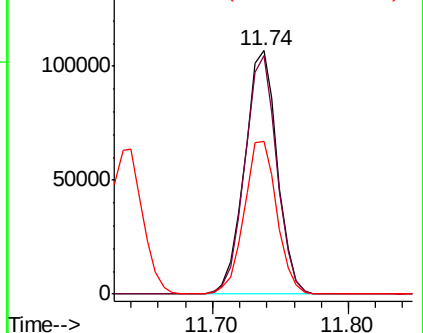
119 63.1 31.1 93.2

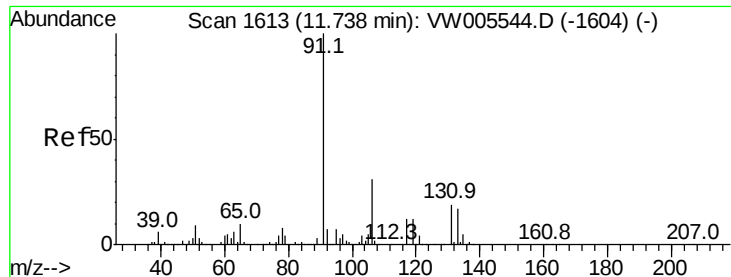


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

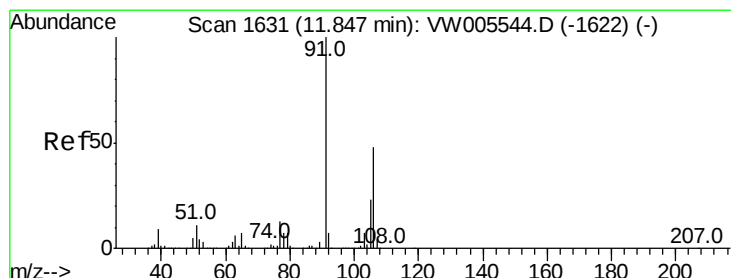
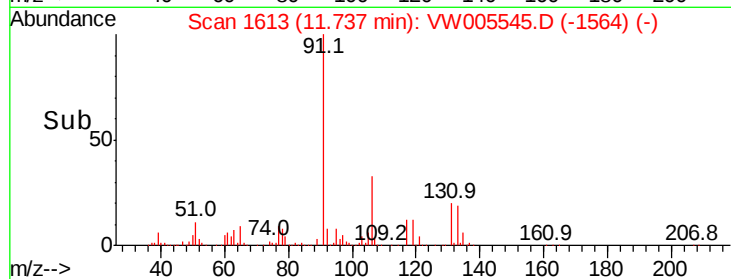
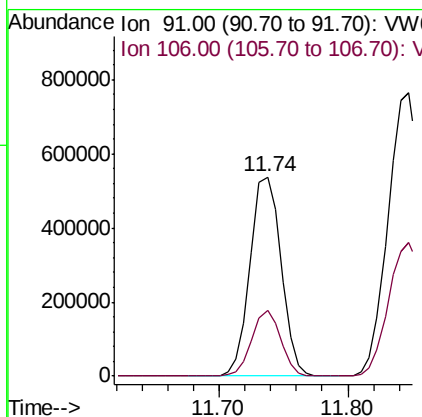
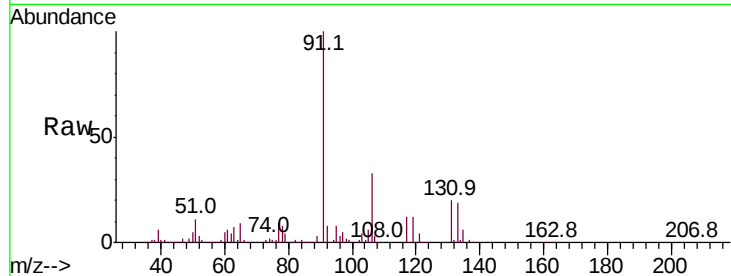




#67
Ethyl Benzene
Concen: 70.674 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

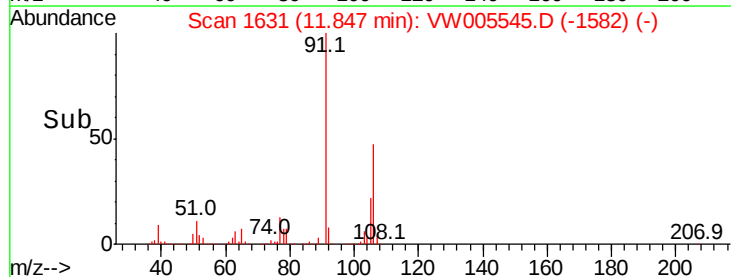
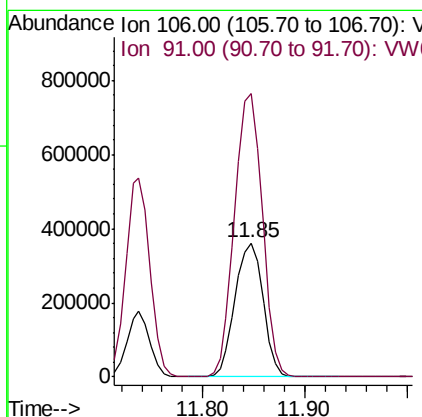
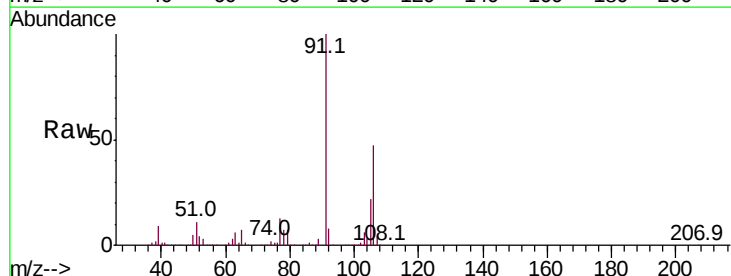
Instrument :
MSVOA_W
ClientSampled :

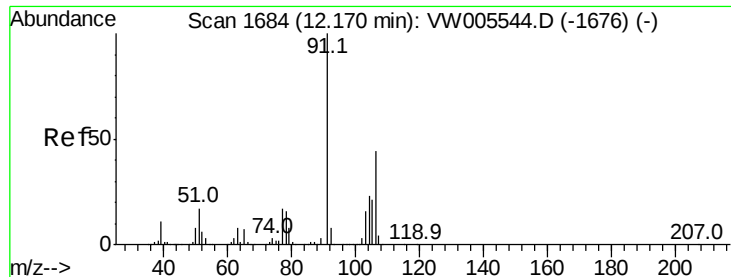
Tot Ion: 91 Resp: 894656
Ion Ratio Lower Upper
91 100
106 33.1 24.4 36.6



#68
m/p-Xylenes
Concen: 141.989 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion:106 Resp: 690210
Ion Ratio Lower Upper
106 100
91 209.5 167.8 251.8

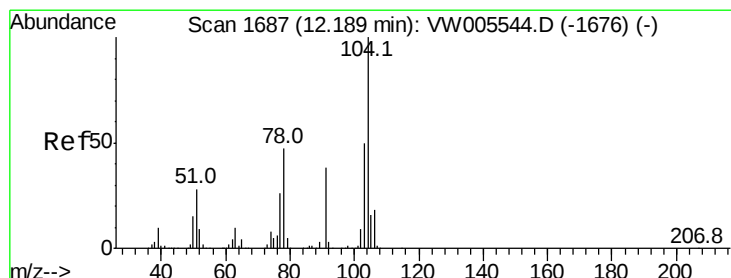
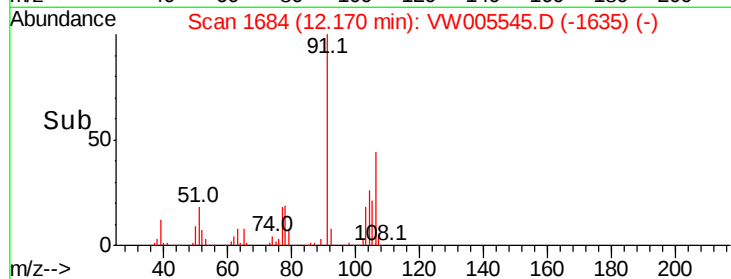
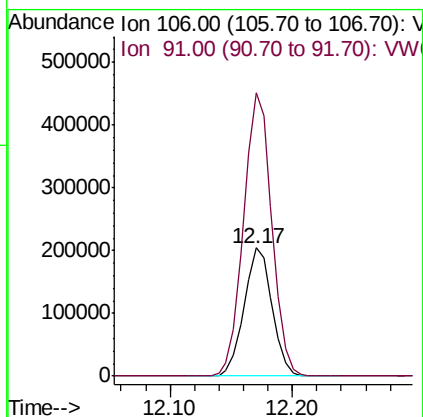
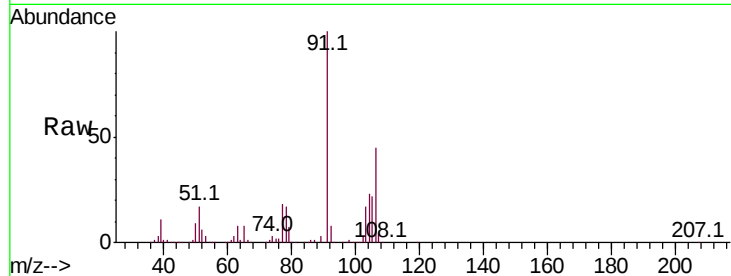




#69
o-Xylene
Concen: 71.839 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

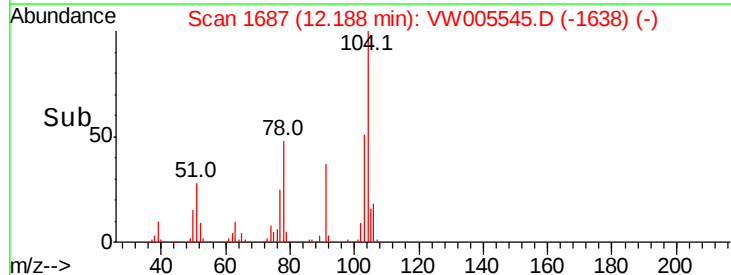
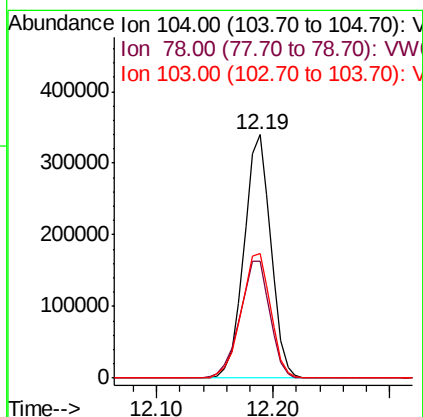
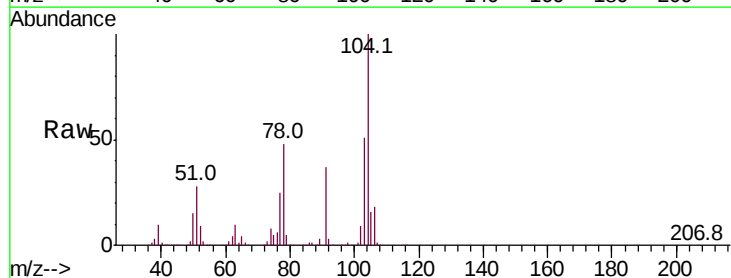
Instrument :
MSVOA_W
ClientSampleId :

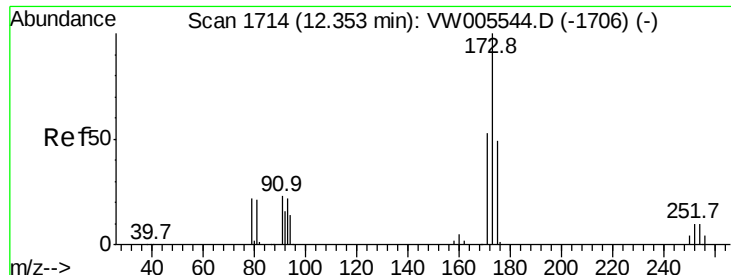
Tot Ion:106 Resp: 325092
Ion Ratio Lower Upper
106 100
91 221.8 111.0 333.0



#70
Styrene
Concen: 72.781 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion:104 Resp: 545704
Ion Ratio Lower Upper
104 100
78 53.8 42.2 63.4
103 56.3 44.6 66.8





#71

Bromoform

Concen: 75.844 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

ClientSampleId :

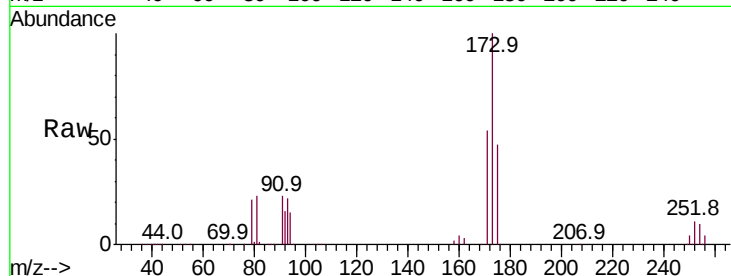
Tot Ion:173 Resp: 94235

Ion Ratio Lower Upper

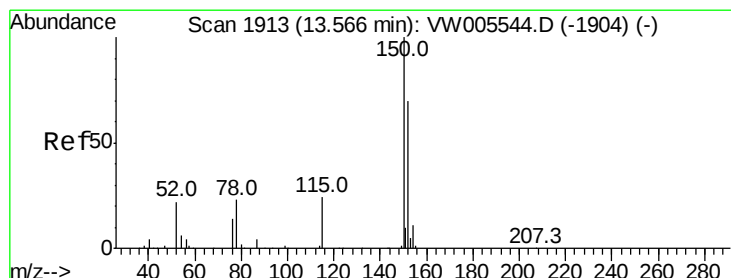
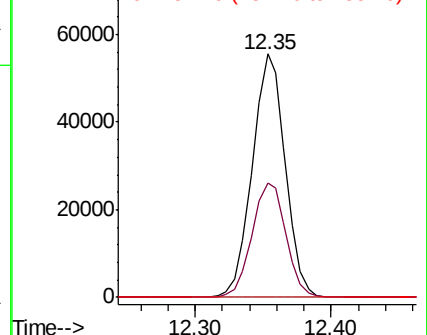
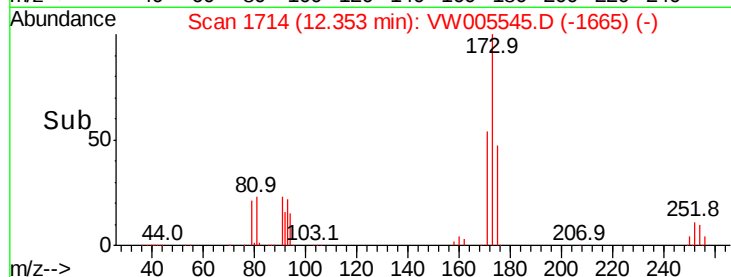
173 100

175 48.4 24.3 72.9

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

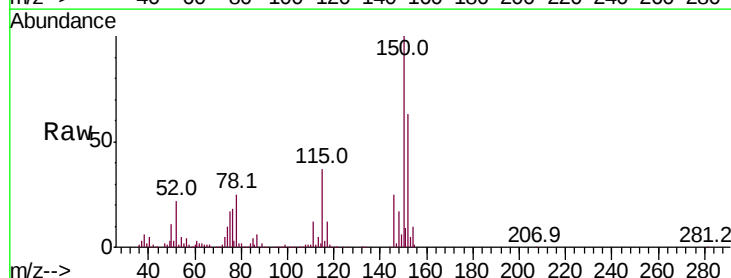
Tgt Ion:152 Resp: 180540

Ion Ratio Lower Upper

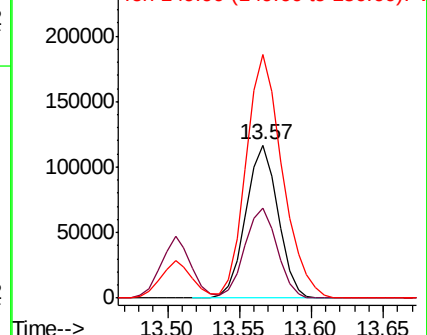
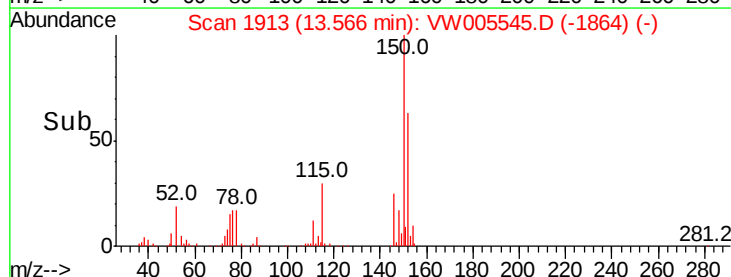
152 100

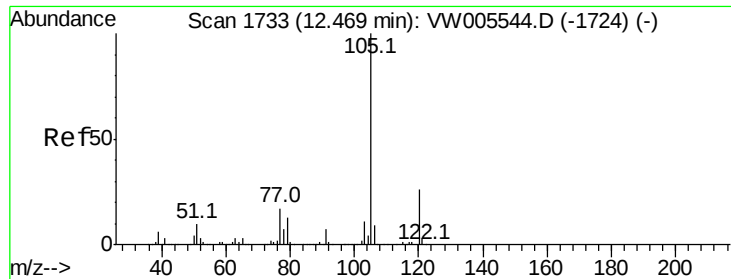
115 59.4 30.0 90.0

150 180.5 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

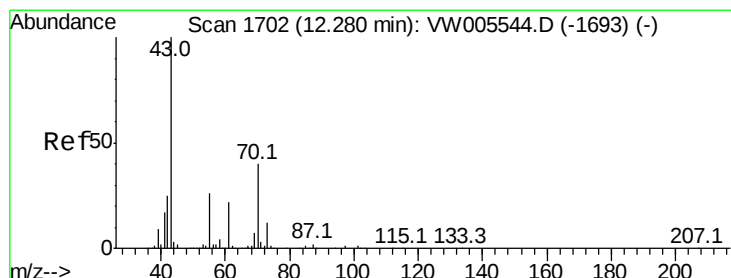
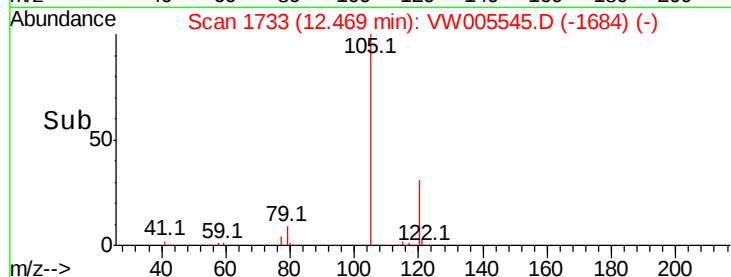
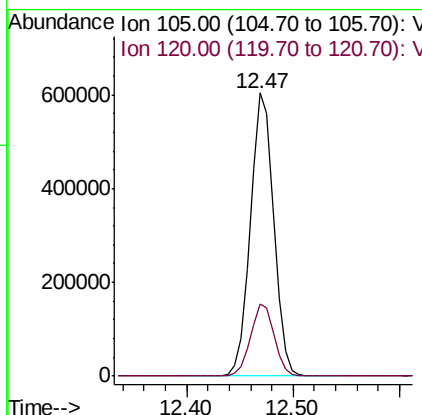
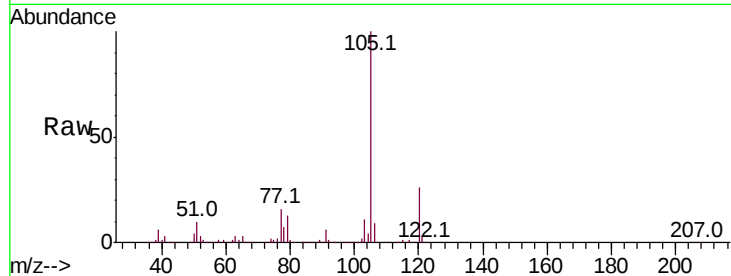




#73
Isopropylbenzene
Concen: 73.101 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

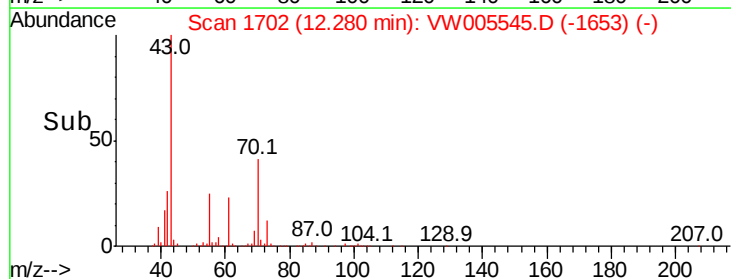
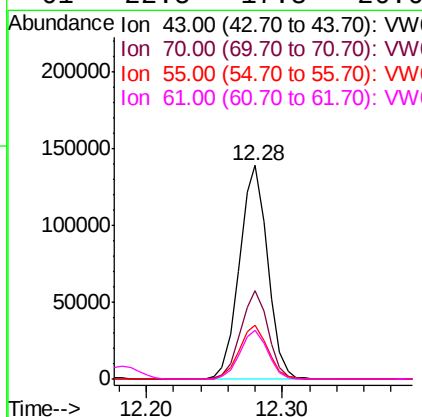
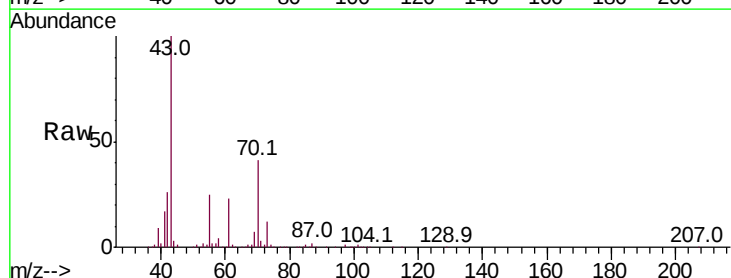
Instrument :
MSVOA_W
ClientSampleId :

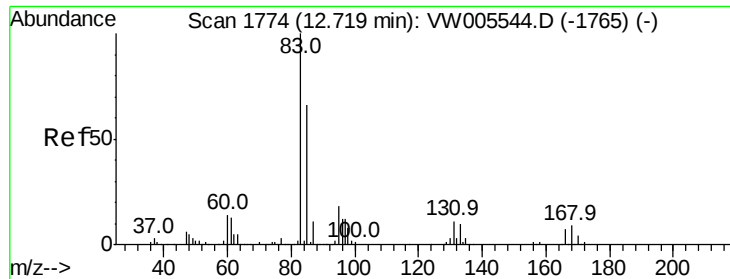
Tot Ion:105 Resp: 929800
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7



#74
N-ethyl acetate
Concen: 74.233 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion: 43 Resp: 200205
Ion Ratio Lower Upper
43 100
70 40.4 31.4 47.0
55 25.6 20.9 31.3
61 22.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 75.203 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

ClientSampleId :

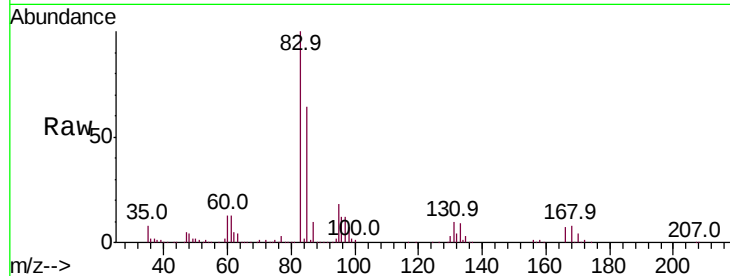
Tot Ion: 83 Resp: 142427

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

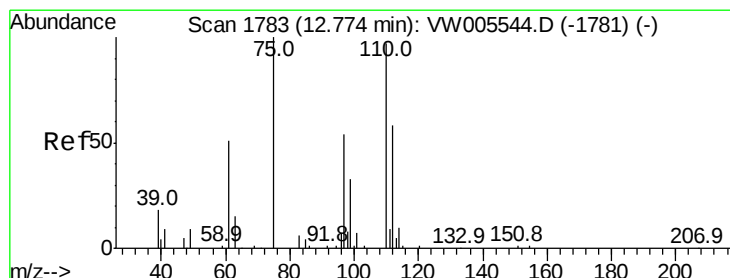
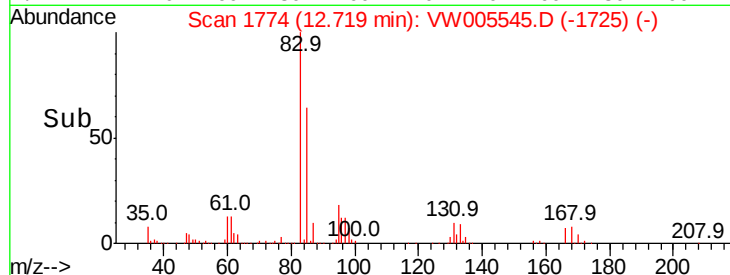
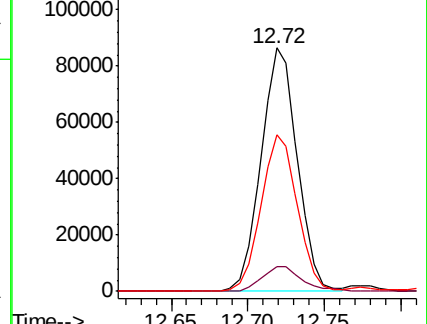
85 64.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 136.008 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005545.D

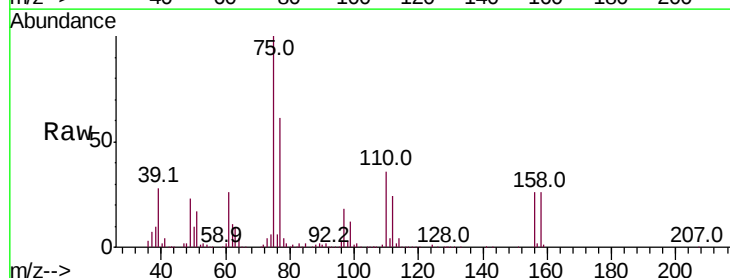
Acq: 20 Sep 2018 22:19

Tgt Ion: 75 Resp: 204649

Ion Ratio Lower Upper

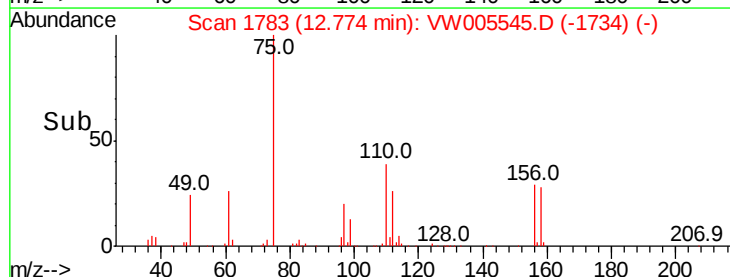
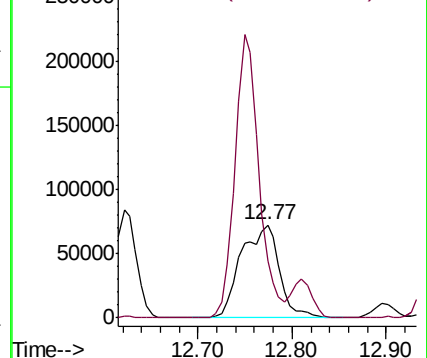
75 100

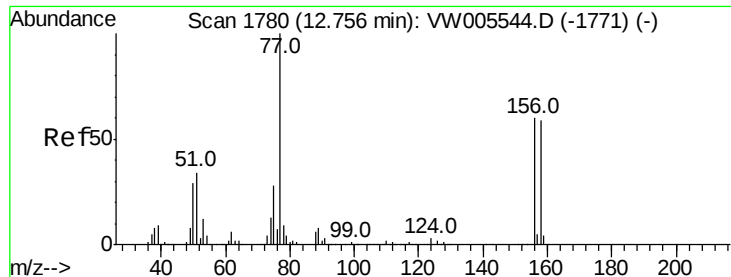
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 68.707 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

ClientSampled :

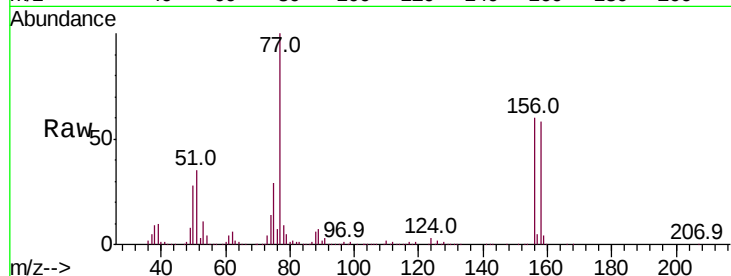
Tot Ion:156 Resp: 205955

Ion Ratio Lower Upper

156 100

77 190.6 94.7 284.1

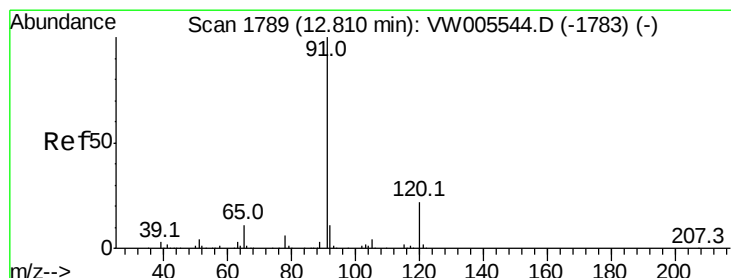
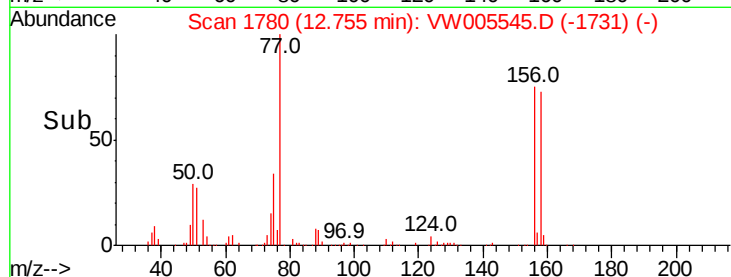
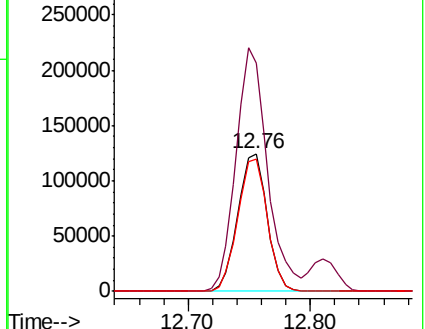
158 97.4 48.0 144.2



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: 73.118 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005545.D

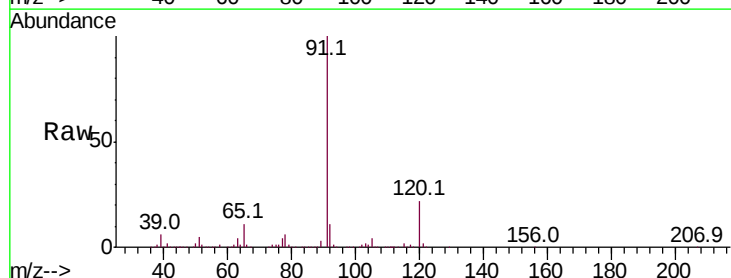
Acq: 20 Sep 2018 22:19

Tgt Ion: 91 Resp: 1121957

Ion Ratio Lower Upper

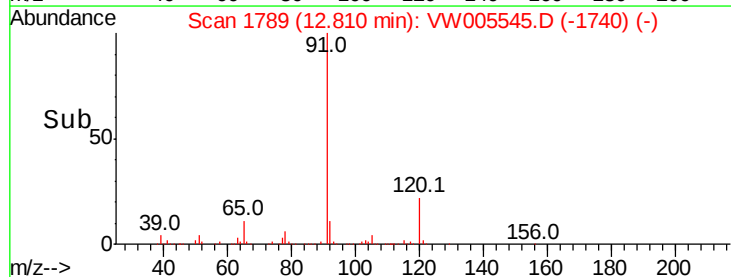
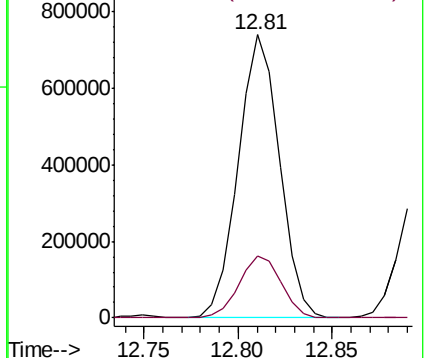
91 100

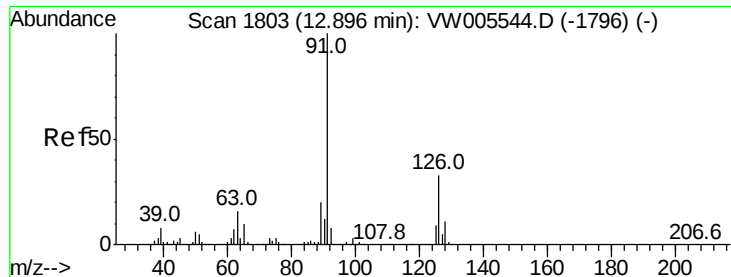
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 71.267 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

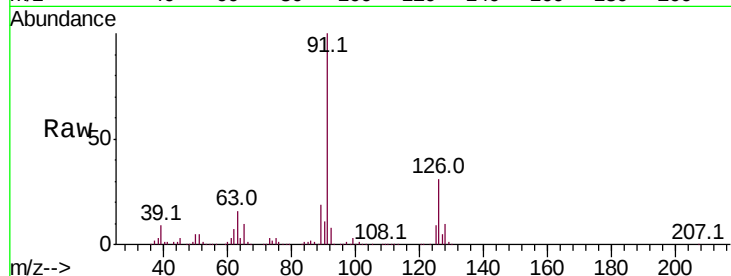
ClientSampleId :

Tot Ion: 91 Resp: 642802

Ion Ratio Lower Upper

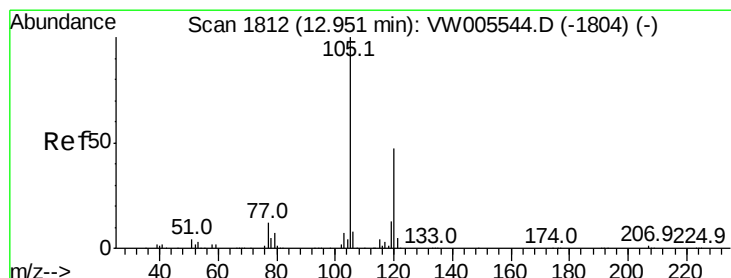
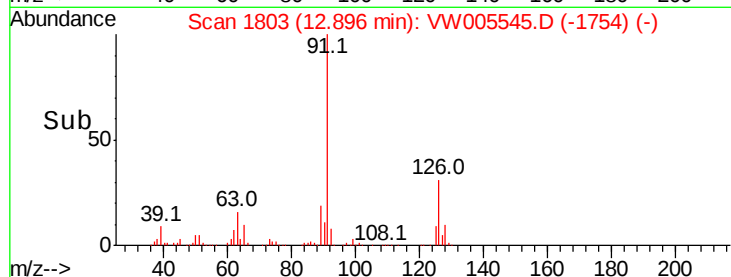
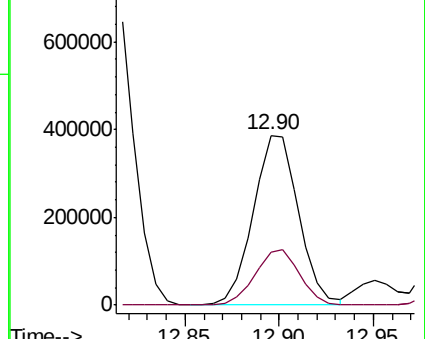
91 100

126 32.4 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 72.737 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005545.D

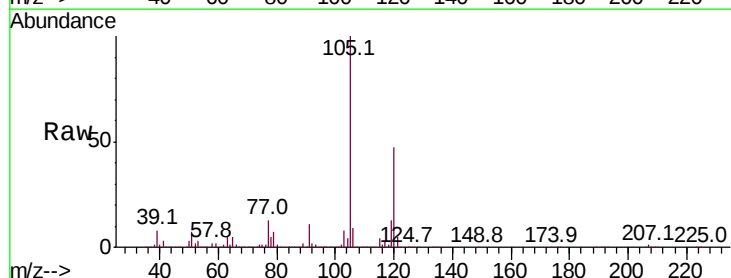
Acq: 20 Sep 2018 22:19

Tgt Ion:105 Resp: 804842

Ion Ratio Lower Upper

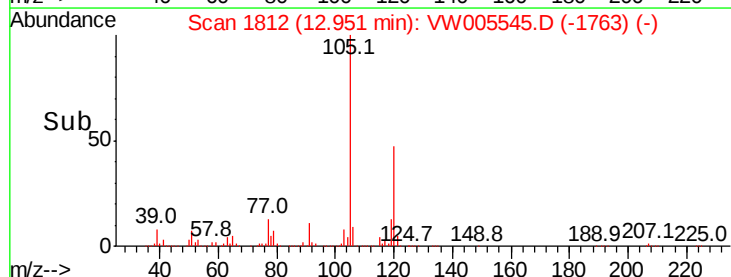
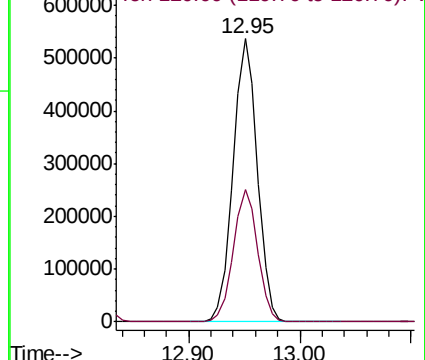
105 100

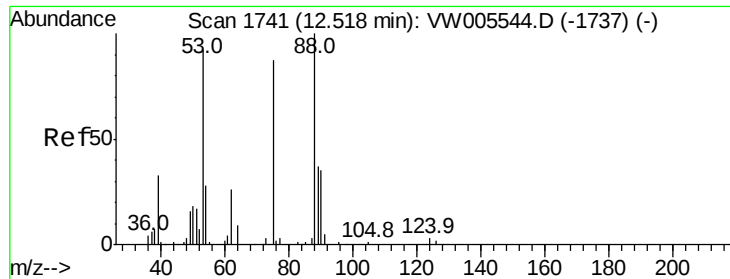
120 47.1 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 80.420 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

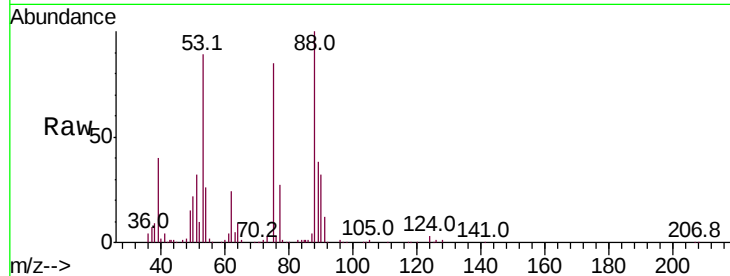
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 75 Resp: 47460

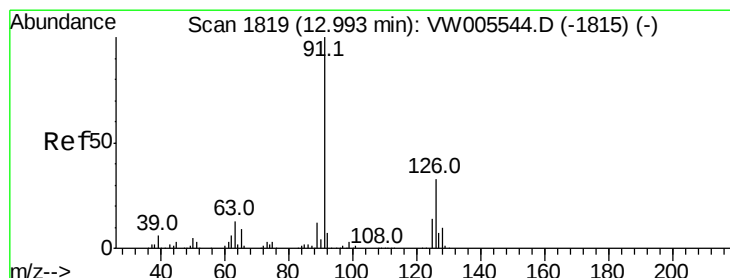
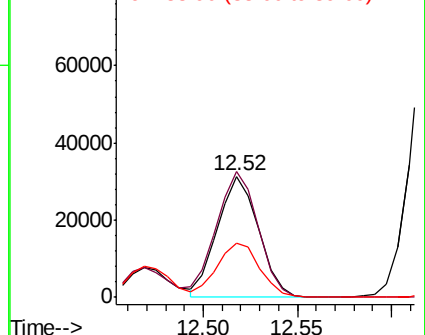
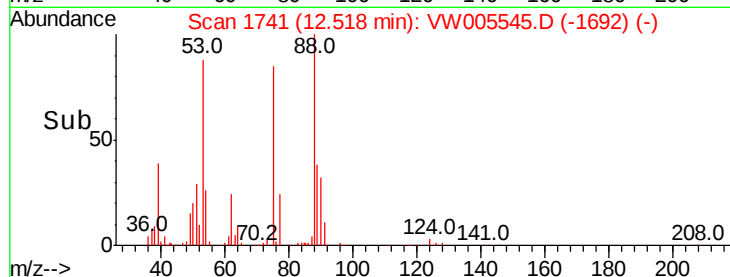
Ion	Ratio	Lower	Upper
75	100		
53	107.2	85.8	128.6
89	46.6	37.3	55.9



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: 70.120 ug/l

RT: 12.99 min Scan# 1819

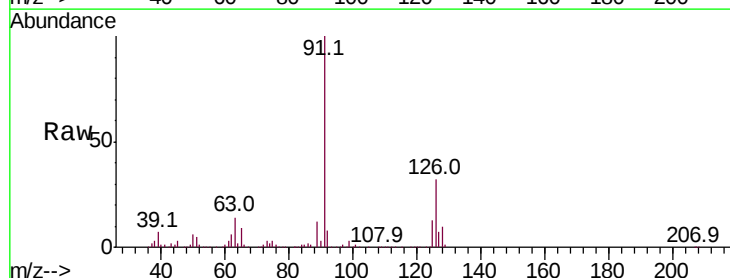
Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

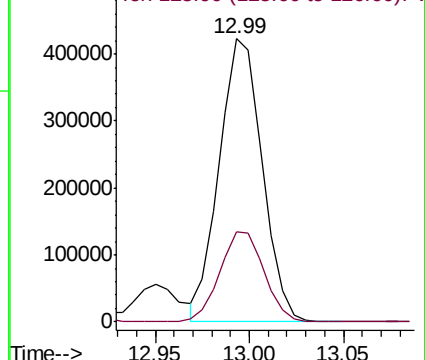
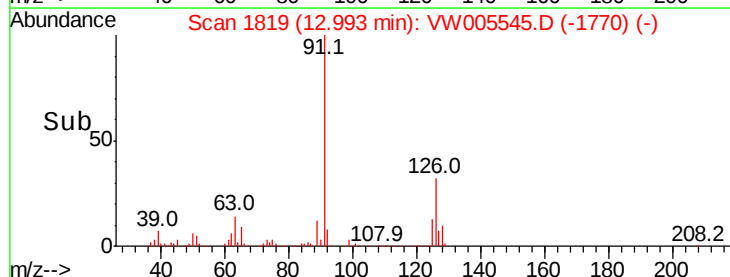
Tgt Ion: 91 Resp: 668174

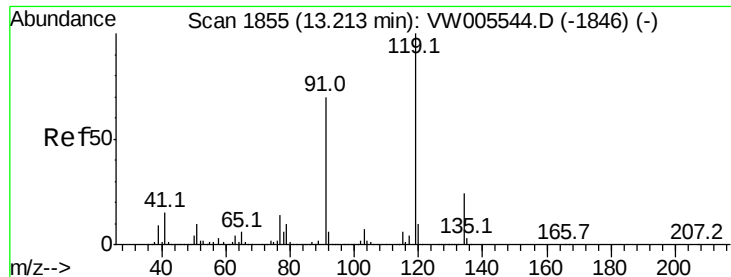
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

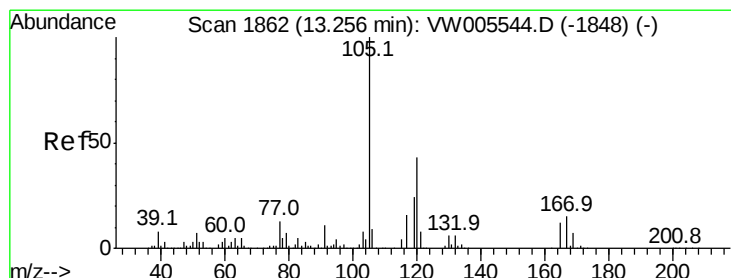
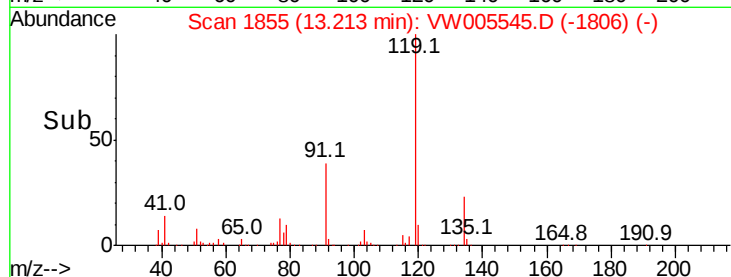
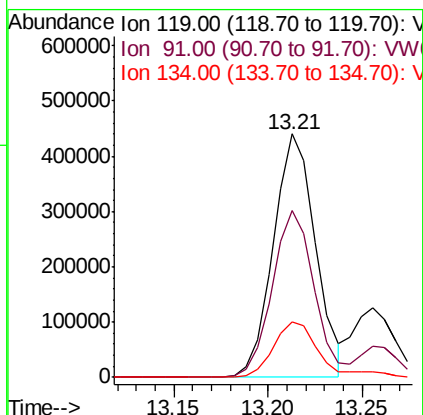
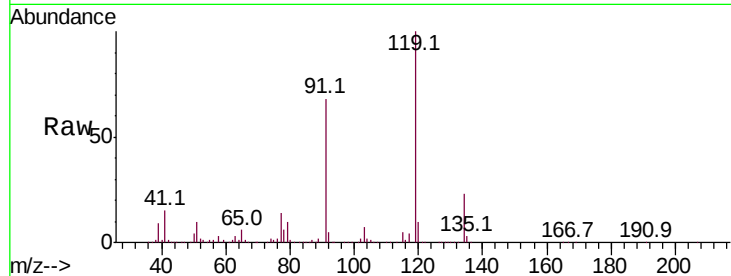




#83
tert-Butylbenzene
Concen: 74.302 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

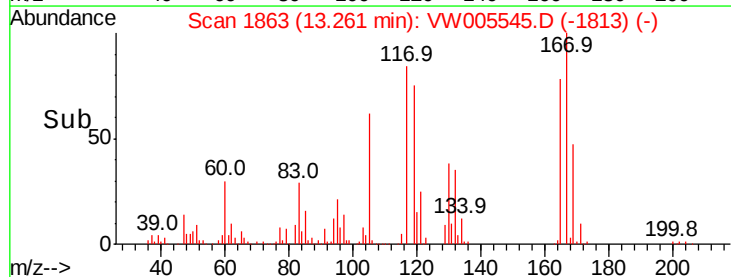
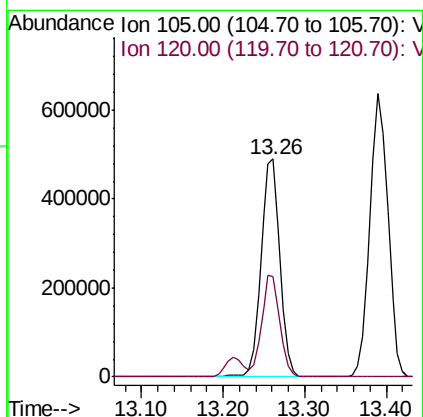
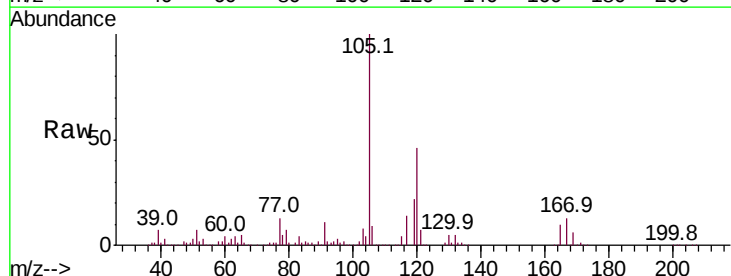
Instrument :
MSVOA_W
ClientSampleId :

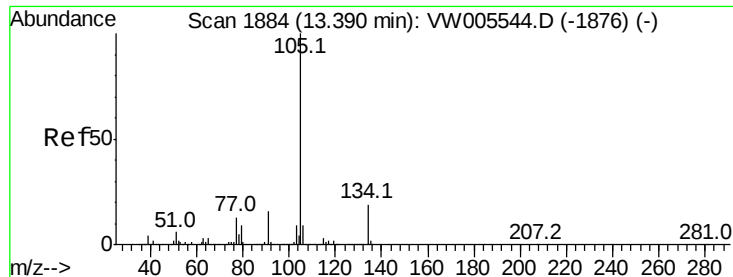
Tot Ion:119 Resp: 683834
Ion Ratio Lower Upper
119 100
91 68.6 34.6 103.8
134 25.2 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 70.766 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion:105 Resp: 795736
Ion Ratio Lower Upper
105 100
120 44.6 21.5 64.5





#85

sec-Butylbenzene

Concen: 72.998 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

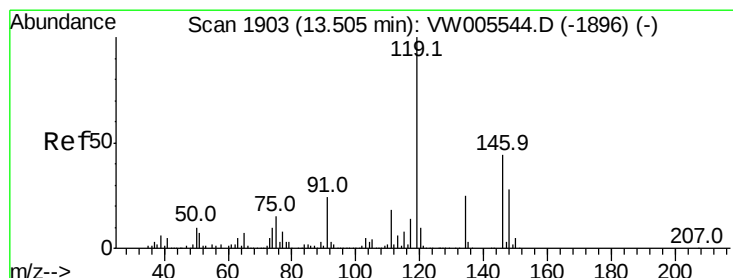
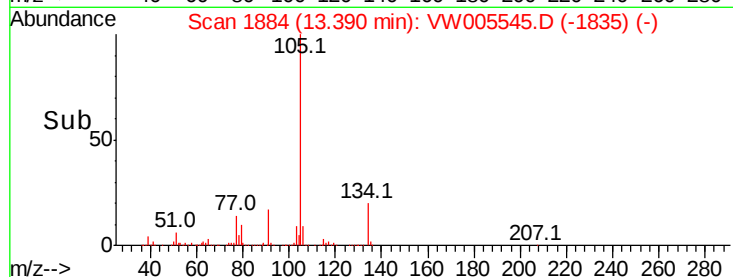
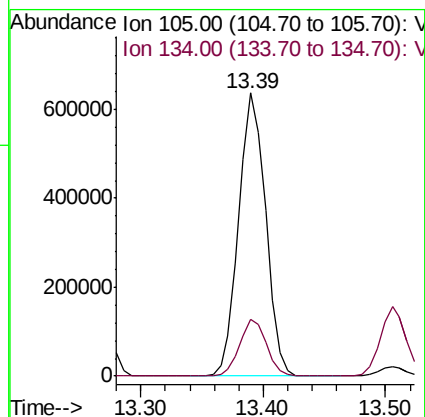
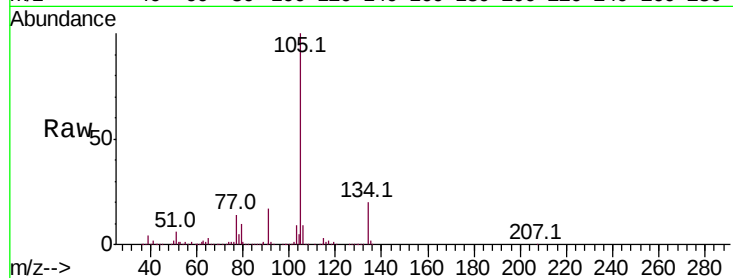
ClientSampleId :

Tot Ion:105 Resp: 970832

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5



#86

p-Isopropyltoluene

Concen: 74.568 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

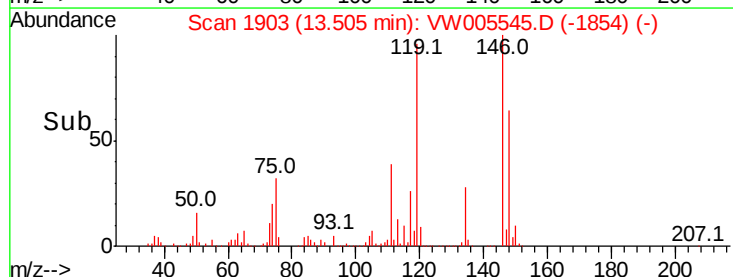
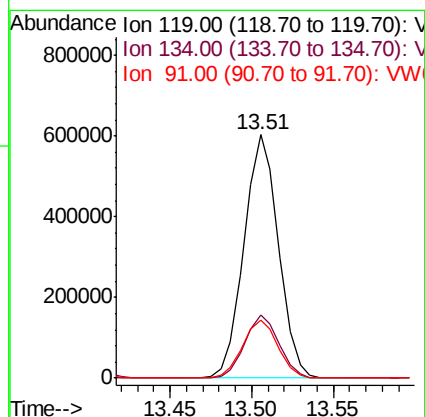
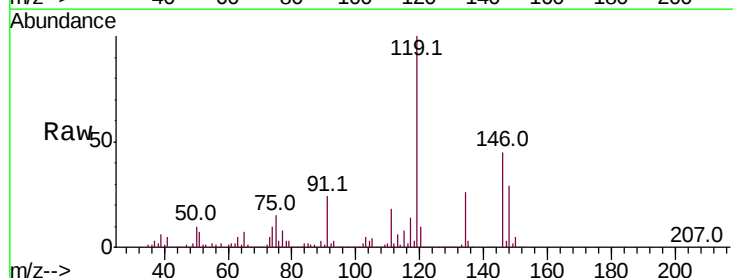
Tgt Ion:119 Resp: 887380

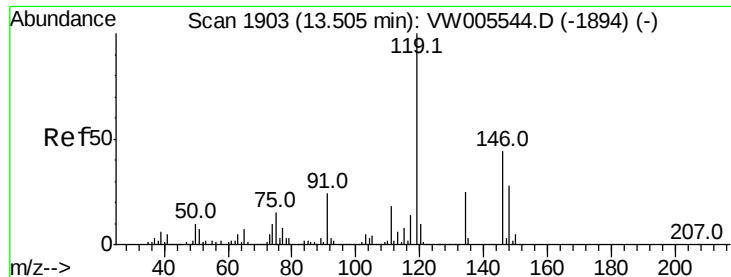
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 24.1 12.2 36.4

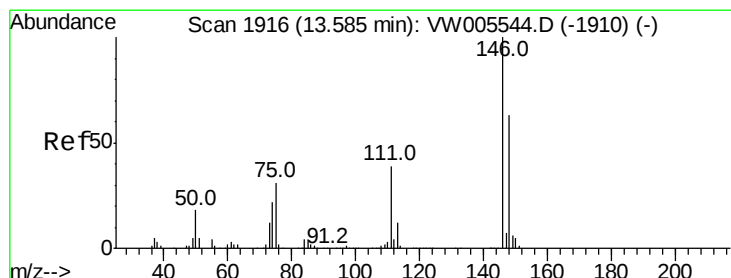
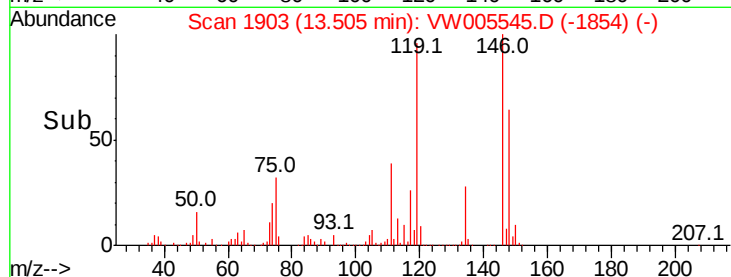
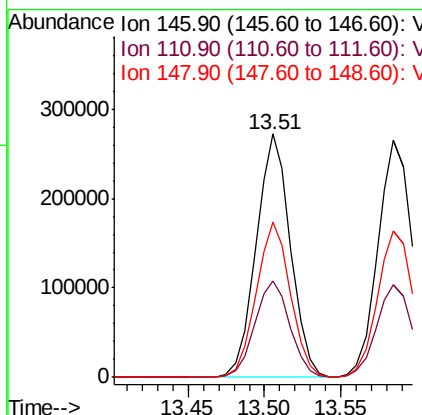
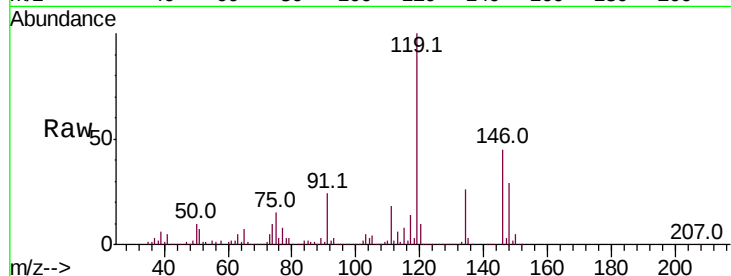




#87
 1,3-Dichlorobenzene
 Concen: 69.560 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

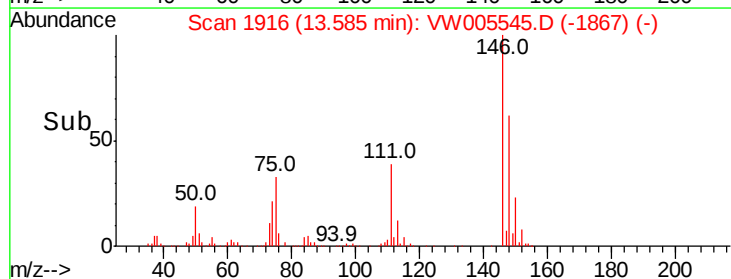
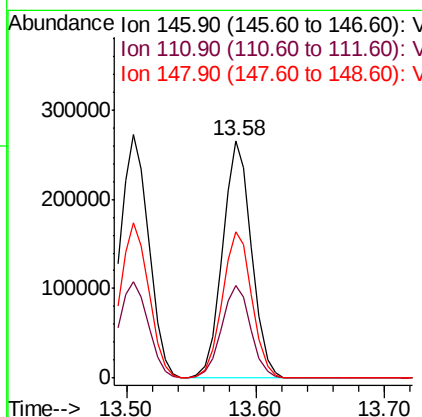
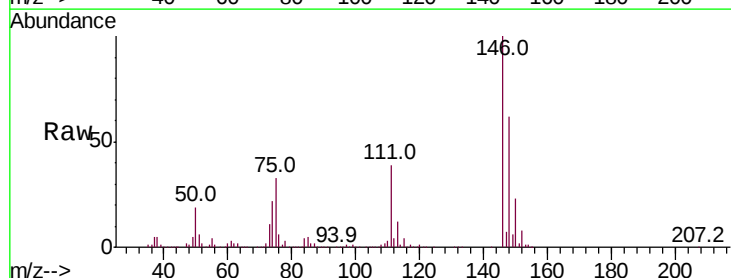
Instrument :
 MSVOA_W
 ClientSampleId :

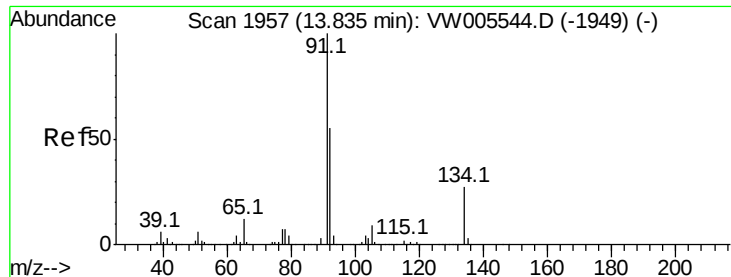
Tot Ion:146 Resp: 423435
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.3 60.9
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 69.558 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Tgt Ion:146 Resp: 416394
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.9 59.7
 148 63.2 32.1 96.3





#89

n-Butylbenzene

Concen: 74.973 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005545.D

Acq: 20 Sep 2018 22:19

Instrument :

MSVOA_W

ClientSampleId :

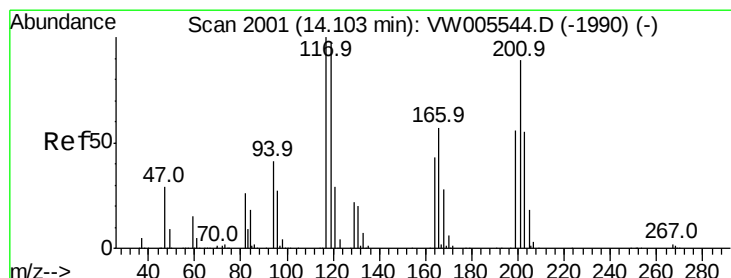
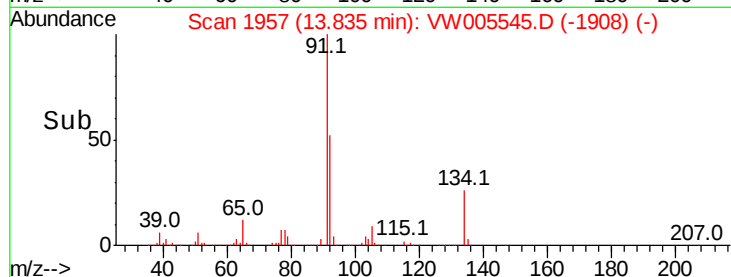
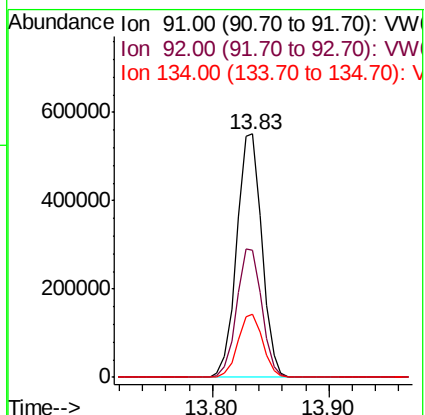
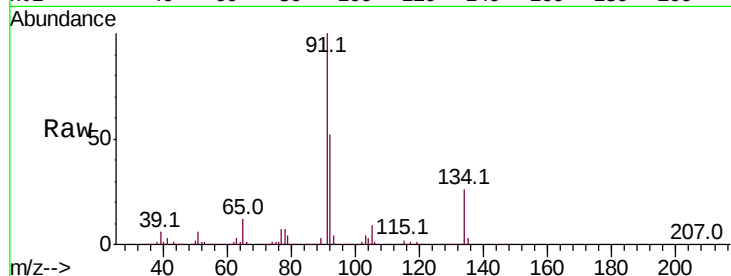
Tot Ion: 91 Resp: 829898

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

134 25.7 12.9 38.7



#90

Hexachloroethane

Concen: 74.925 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005545.D

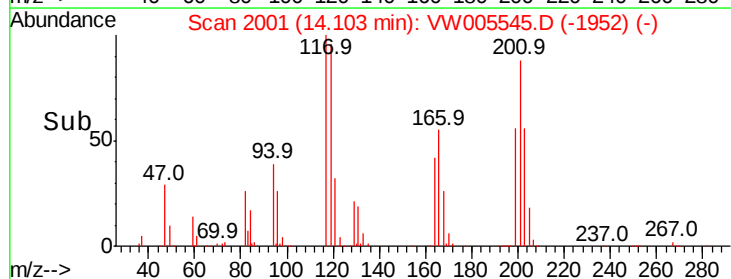
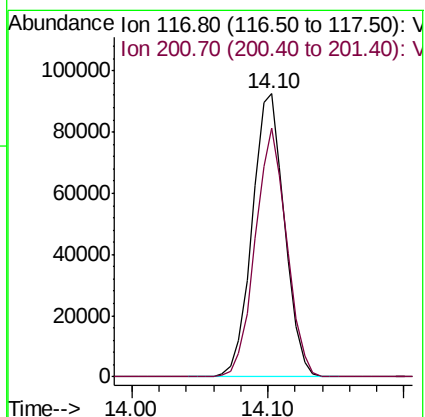
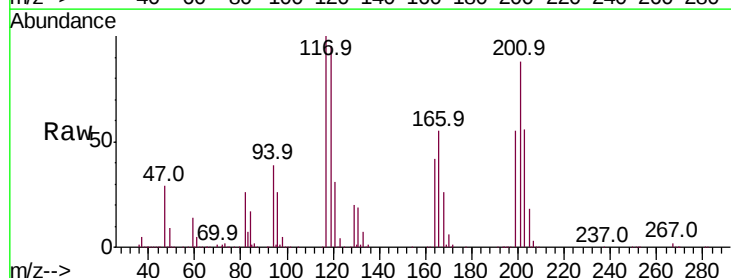
Acq: 20 Sep 2018 22:19

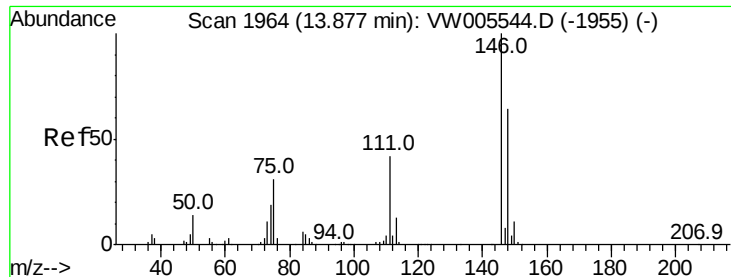
Tgt Ion: 117 Resp: 154009

Ion Ratio Lower Upper

117 100

201 85.5 42.8 128.3

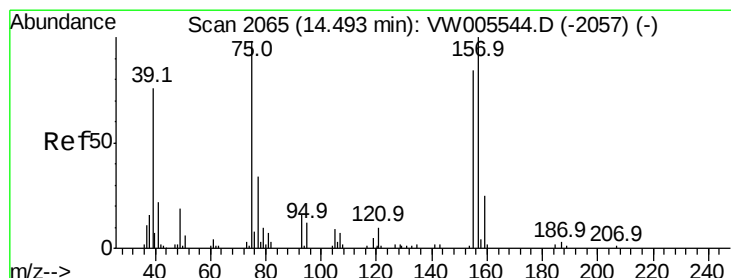
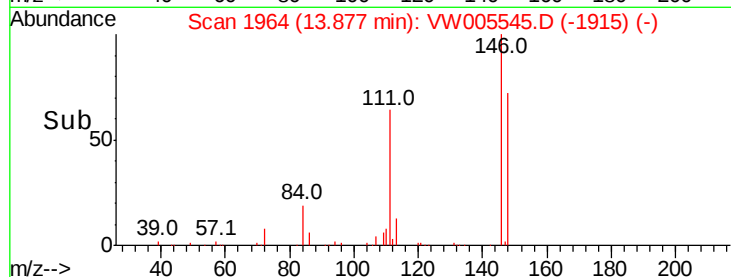
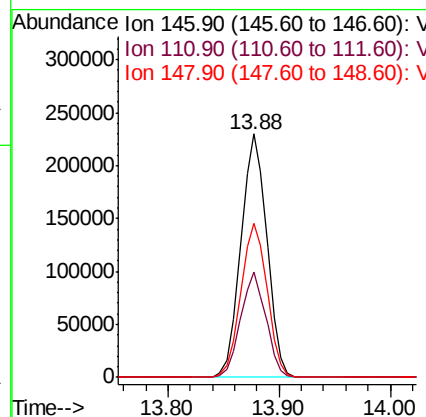
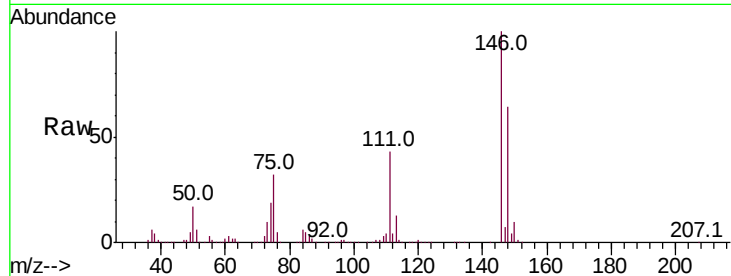




#91
 1,2-Dichlorobenzene
 Concen: 69.900 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

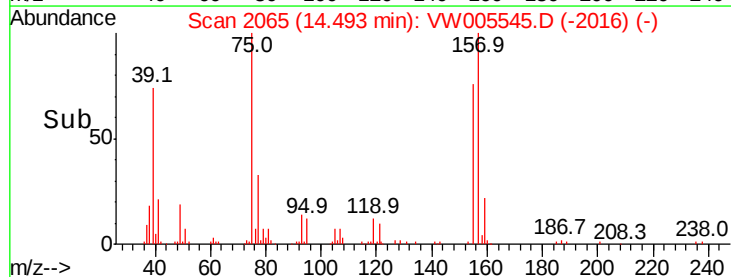
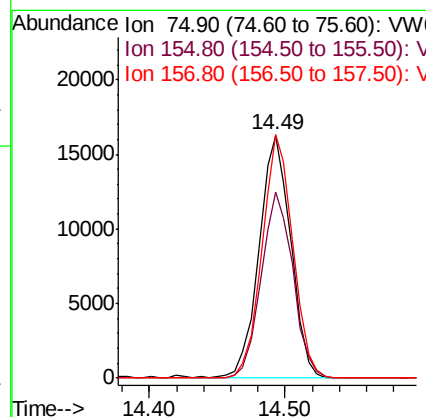
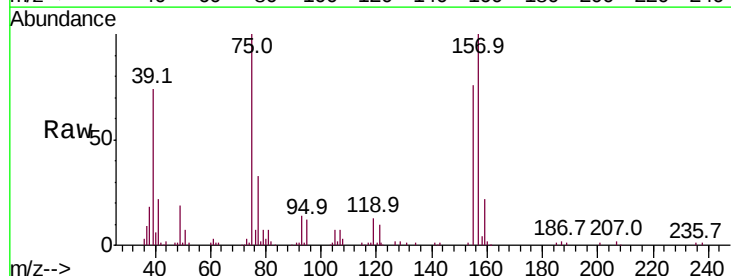
Instrument :
 MSVOA_W
 ClientSampleId :

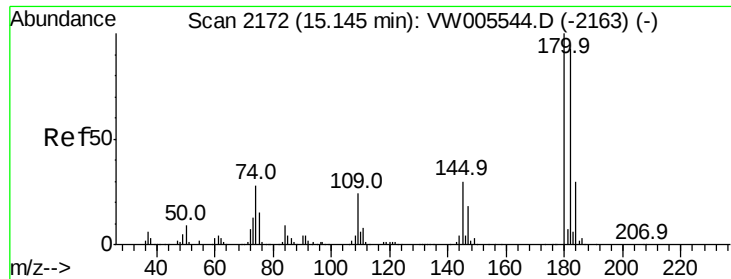
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.9
148	63.9	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.102 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	39.1	117.5
157	96.9	50.8	152.4

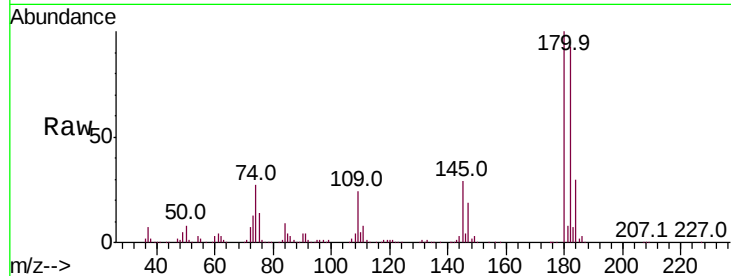




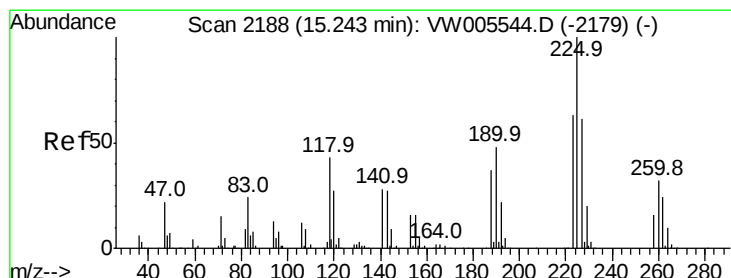
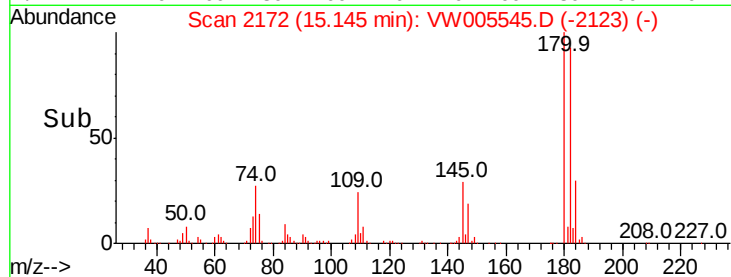
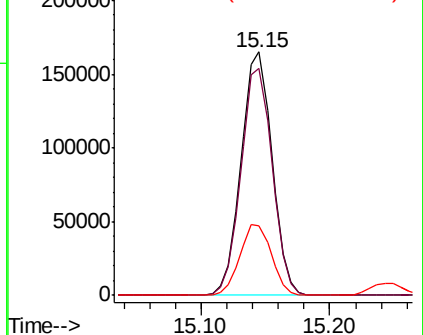
#93
 1,2,4-Trichlorobenzene
 Concen: 76.580 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.7	143.1
145	29.9	15.0	45.1

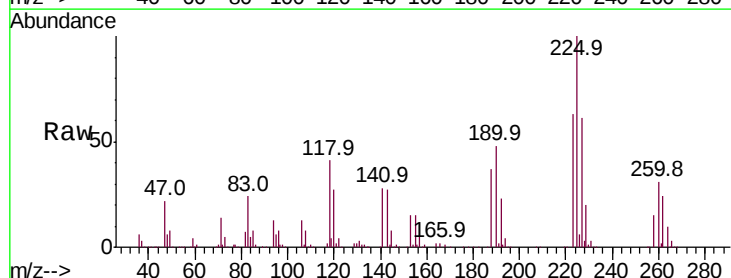


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

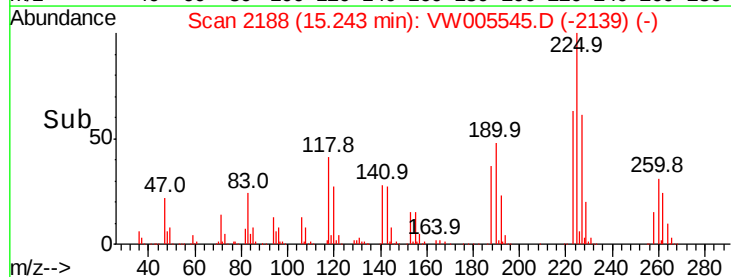
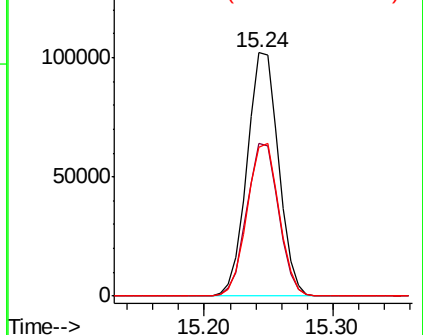


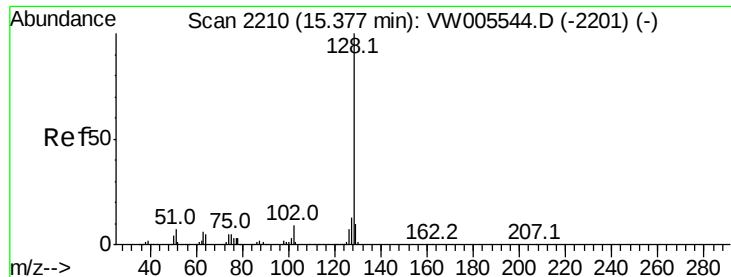
#94
 Hexachlorobutadiene
 Concen: 73.984 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005545.D
 Acq: 20 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.3
227	63.4	31.8	95.3



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

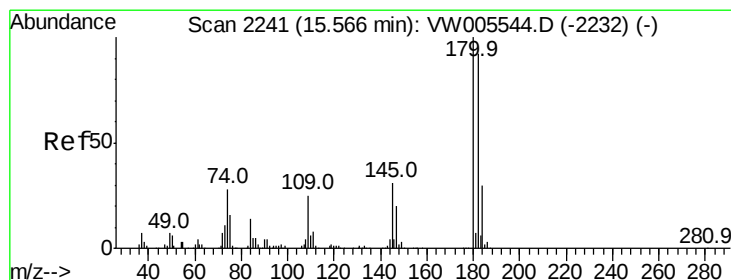
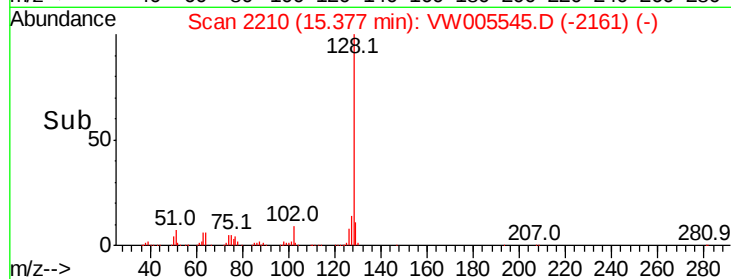
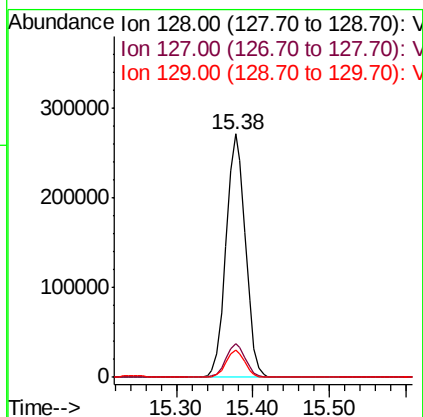
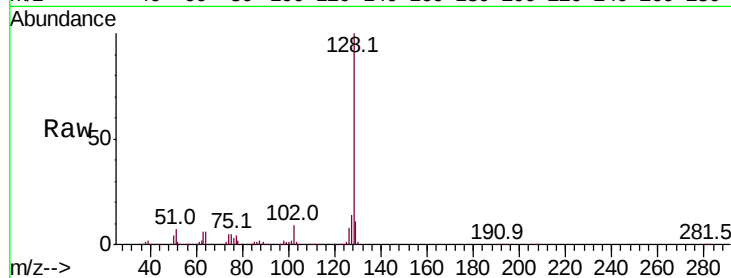




#95
Naphthalene
Concen: 78.707 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 470860
Ion Ratio Lower Upper
128 100
127 13.7 10.9 16.3
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 75.670 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005545.D
Acq: 20 Sep 2018 22:19

Tgt Ion:180 Resp: 236737
Ion Ratio Lower Upper
180 100
182 94.6 47.3 141.9
145 31.8 16.0 47.9

