

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009154.D
 Acq On : 13 Mar 2019 14:18
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:20:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	400093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222225	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	140743	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
35) Dibromofluoromethane	7.88	113	126320	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.32	98	572959	57.91	ug/l	0.00
Spiked Amount			Recovery	=	115.82%	
62) 4-Bromofluorobenzene	12.62	95	216383	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	128677	44.052	ug/l	98
3) Chloromethane	2.21	50	173410	46.732	ug/l	99
4) Vinyl Chloride	2.36	62	177276	47.076	ug/l	96
5) Bromomethane	2.77	94	173792	54.672	ug/l	95
6) Chloroethane	2.92	64	130152	48.548	ug/l	99
7) Trichlorofluoromethane	3.26	101	228284	47.082	ug/l	98
8) Diethyl Ether	3.68	74	63866	43.078	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136566	45.223	ug/l	99
10) Methyl Iodide	4.27	142	150862	46.307	ug/l	100
11) Tert butyl alcohol	5.20	59	38073	170.380	ug/l	98
12) 1,1-Dichloroethene	4.04	96	123683	47.481	ug/l	99
13) Acrolein	3.90	56	41901	170.402	ug/l	96
14) Allyl chloride	4.67	41	223161	48.568	ug/l	98
15) Acrylonitrile	5.37	53	137238	212.094	ug/l	98
16) Acetone	4.14	43	138871	211.039	ug/l	98
17) Carbon Disulfide	4.38	76	398648	45.485	ug/l	98
18) Methyl Acetate	4.67	43	63014	41.644	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	304492	44.189	ug/l	100
20) Methylene Chloride	4.92	84	146703	47.075	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	140445	46.694	ug/l	98
22) Diisopropyl ether	6.31	45	447106	48.965	ug/l	99
23) Vinyl Acetate	6.26	43	1262824	222.239	ug/l	100
24) 1,1-Dichloroethane	6.21	63	253043	47.777	ug/l	97
25) 2-Butanone	7.17	43	185011	203.439	ug/l	98
26) 2,2-Dichloropropane	7.17	77	238014	49.440	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	151691	46.959	ug/l	97
28) Bromochloromethane	7.51	49	108170	49.102	ug/l	96
29) Tetrahydrofuran	7.53	42	113138	197.417	ug/l	100
30) Chloroform	7.67	83	260501	47.774	ug/l	98
31) Cyclohexane	7.95	56	250871	46.131	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	241801	48.051	ug/l	99
36) 1,1-Dichloropropene	8.08	75	213266	50.979	ug/l	100
37) Ethyl Acetate	7.26	43	77152	39.263	ug/l	98
38) Carbon Tetrachloride	8.07	117	218328	50.534	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	264386	53.060	ug/l	98
40) Benzene	8.32	78	576277	51.603	ug/l	98
41) Methacrylonitrile	7.48	41	52043	47.694	ug/l	87
42) 1,2-Dichloroethane	8.40	62	170773	47.367	ug/l	99
43) Isopropyl Acetate	8.42	43	159919	43.696	ug/l	98
44) Trichloroethene	9.09	130	157020	50.166	ug/l	97
45) 1,2-Dichloropropane	9.37	63	140507	50.236	ug/l	98
46) Dibromomethane	9.46	93	70044	45.854	ug/l	99
47) Bromodichloromethane	9.64	83	189449	48.994	ug/l	97
48) Methyl methacrylate	9.43	41	85666	50.270	ug/l	98
49) 1,4-Dioxane	9.46	88	19460	889.643	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	419085	225.563	ug/l	100
52) Toluene	10.39	92	408503	53.937	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192652	50.375	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	221643	50.433	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	97883	47.278	ug/l	96
56) Ethyl methacrylate	10.65	69	127966	49.801	ug/l	98
57) 1,3-Dichloropropane	10.93	76	172159	46.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	331825	249.106	ug/l	100
59) 2-Hexanone	10.97	43	313987	240.364	ug/l	97
60) Dibromochloromethane	11.13	129	124802	48.709	ug/l	100
61) 1,2-Dibromoethane	11.23	107	93944	46.286	ug/l	99
64) Tetrachloroethene	10.87	164	145761	51.146	ug/l	95
65) Chlorobenzene	11.66	112	447520	52.027	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	144498	50.311	ug/l	98
67) Ethyl Benzene	11.73	91	842857	54.240	ug/l	98
68) m/p-Xylenes	11.84	106	651171	106.164	ug/l	99
69) o-Xylene	12.17	106	306108	53.637	ug/l	99
70) Styrene	12.18	104	494404	53.543	ug/l	99
71) Bromoform	12.35	173	71360	46.274	ug/l #	100
73) Isopropylbenzene	12.46	105	871222	54.746	ug/l	99
74) N-amyl acetate	12.27	43	184627	49.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	113977	45.404	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	163437	93.086	ug/l	27
77) Bromobenzene	12.75	156	184644	50.781	ug/l	98
78) n-propylbenzene	12.80	91	1068976	54.534	ug/l	99
79) 2-Chlorotoluene	12.90	91	592592	53.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	733549	53.476	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35600	45.352	ug/l	98
82) 4-Chlorotoluene	12.99	91	628002	53.494	ug/l	100
83) tert-Butylbenzene	13.21	119	641410	55.442	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	747509	53.869	ug/l	99
85) sec-Butylbenzene	13.38	105	945004	55.131	ug/l	99
86) p-Isopropyltoluene	13.50	119	843157	54.986	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	390785	51.140	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	389070	51.520	ug/l	99
89) n-Butylbenzene	13.83	91	814681	55.887	ug/l	99
90) Hexachloroethane	14.10	117	144330	54.575	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	342834	50.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20638	46.160	ug/l	95

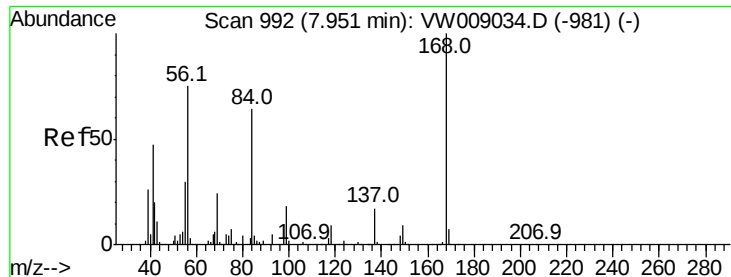
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	235306	51.679	ug/l	98
94) Hexachlorobutadiene	15.24	225	150577	52.798	ug/l	98
95) Naphthalene	15.37	128	360569	48.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	196100	48.979	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

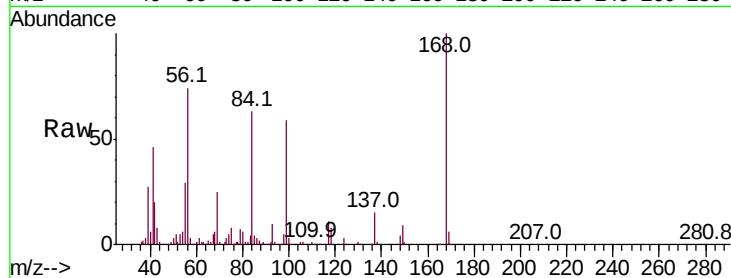
ClientSampleId :

Tot Ion:168 Resp: 289839

Ion Ratio Lower Upper

168 100

99 59.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

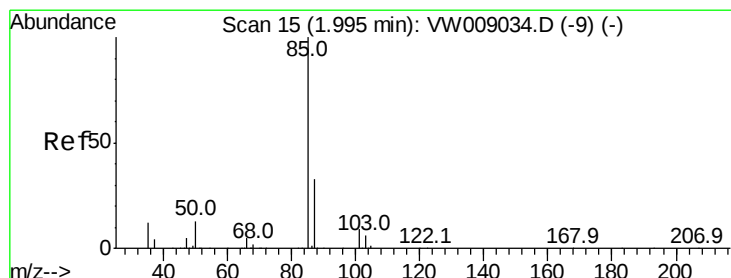
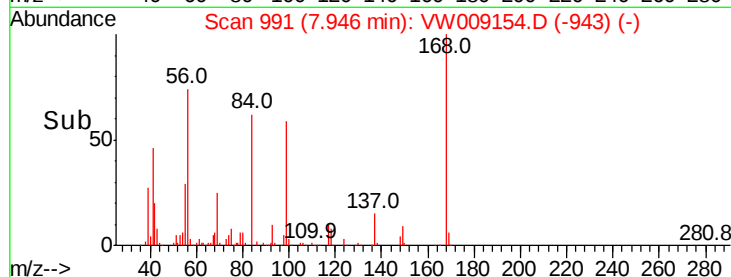
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 44.052 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009154.D

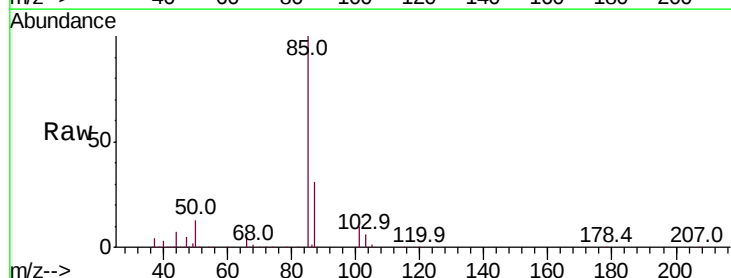
Acq: 13 Mar 2019 14:18

Tgt Ion: 85 Resp: 128677

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

60000

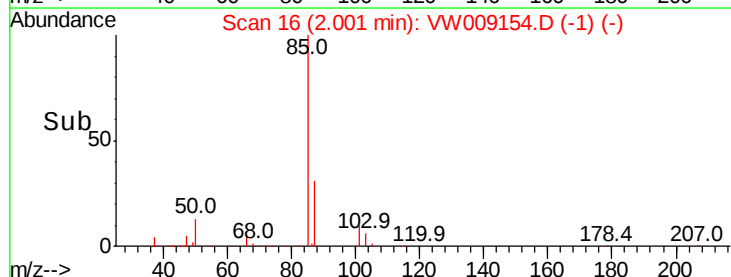
40000

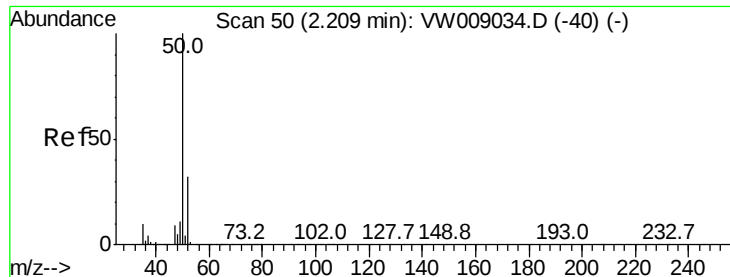
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 46.732 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

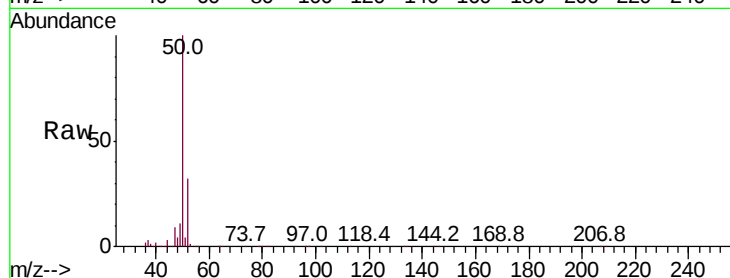
ClientSampleId :

Tot Ion: 50 Resp: 173410

Ion Ratio Lower Upper

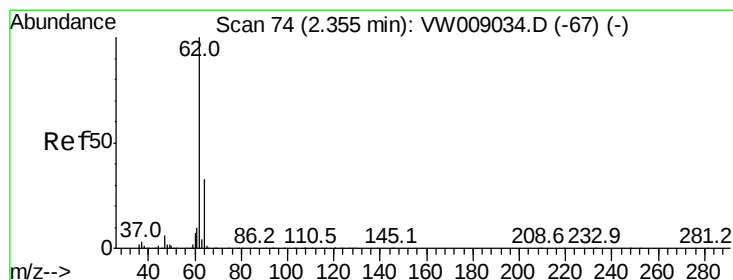
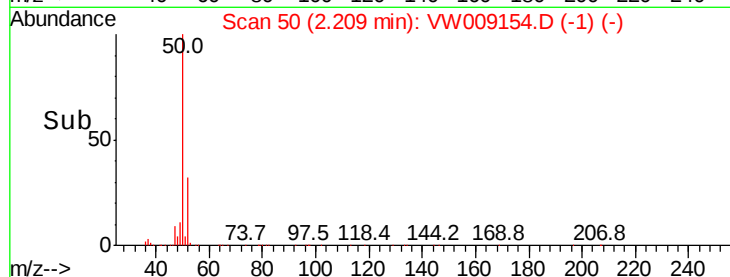
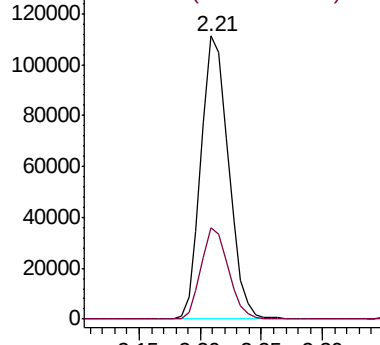
50 100

52 32.2 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 47.076 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009154.D

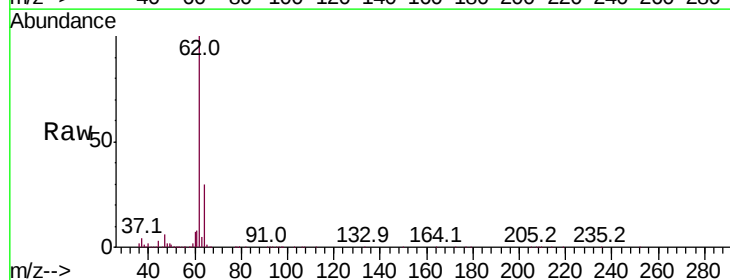
Acq: 13 Mar 2019 14:18

Tgt Ion: 62 Resp: 177276

Ion Ratio Lower Upper

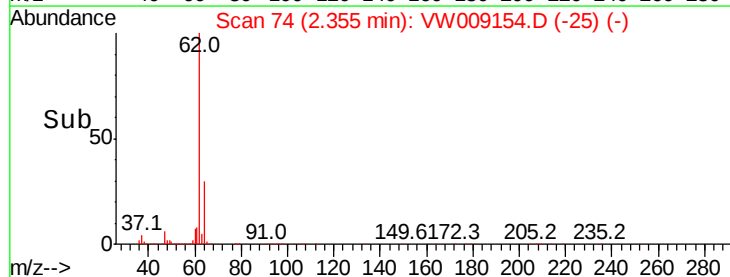
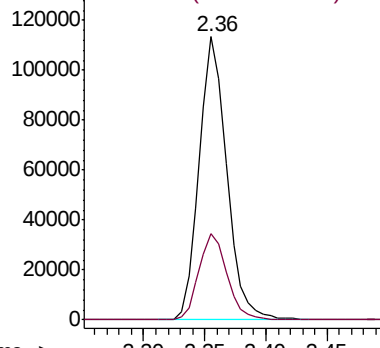
62 100

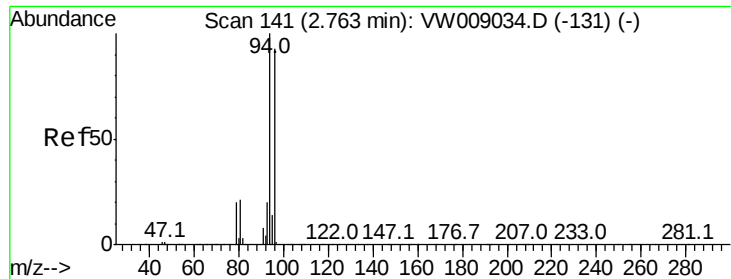
64 30.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 54.672 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

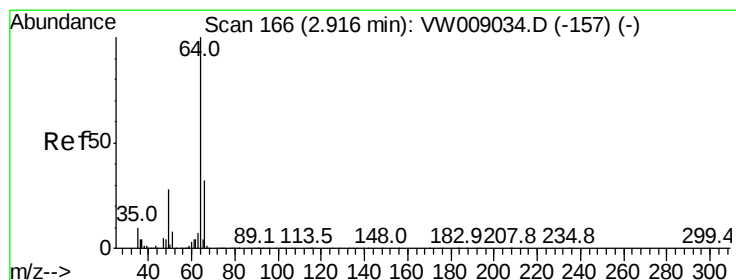
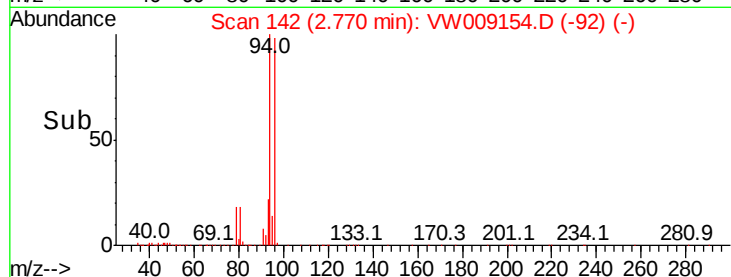
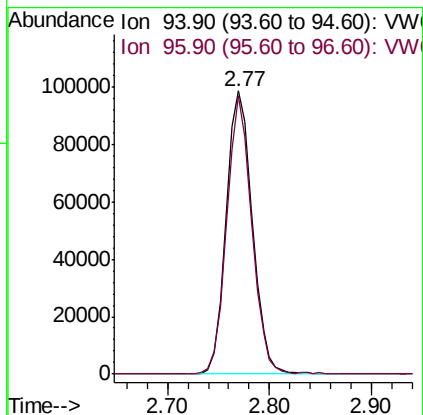
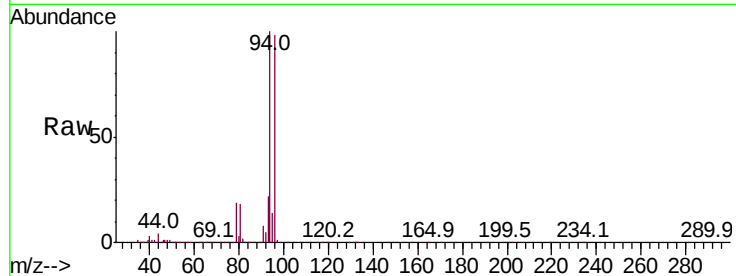
ClientSampled :

Tot Ion: 94 Resp: 173792

Ion Ratio Lower Upper

94 100

96 98.3 74.4 111.6



#6

Chloroethane

Concen: 48.548 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009154.D

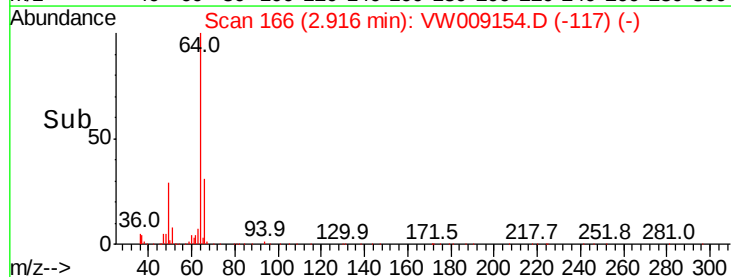
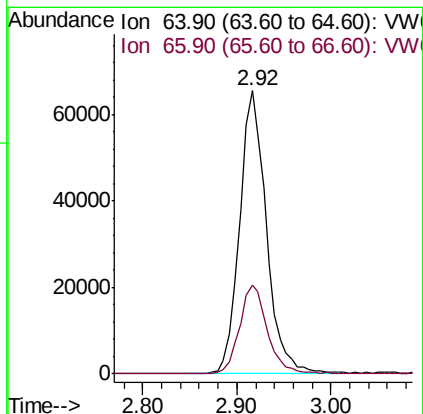
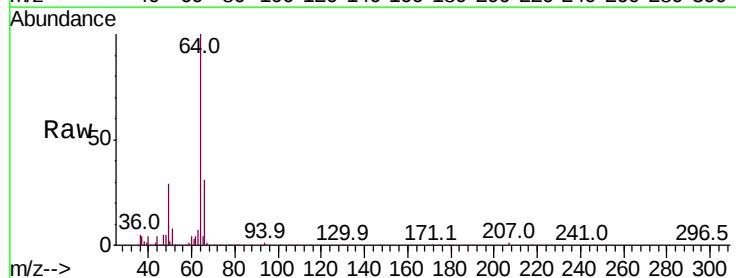
Acq: 13 Mar 2019 14:18

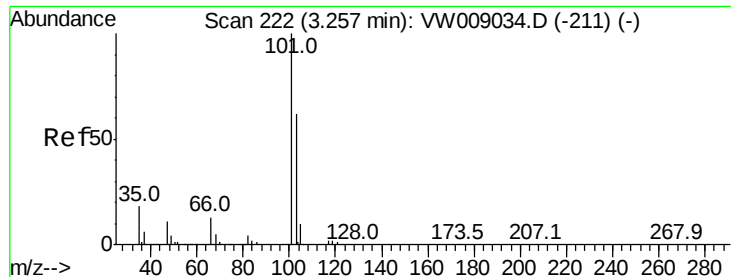
Tgt Ion: 64 Resp: 130152

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



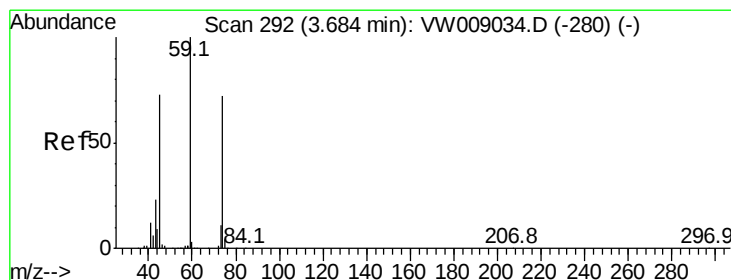
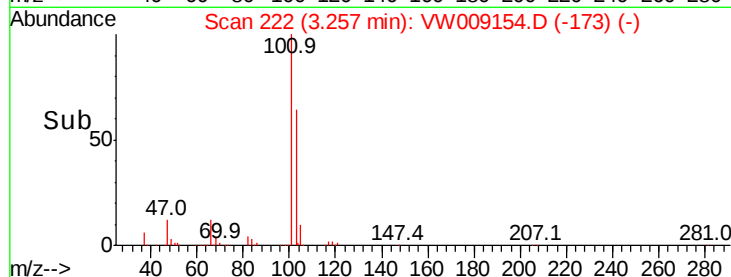
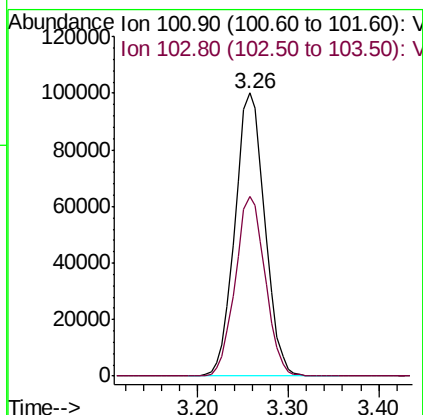
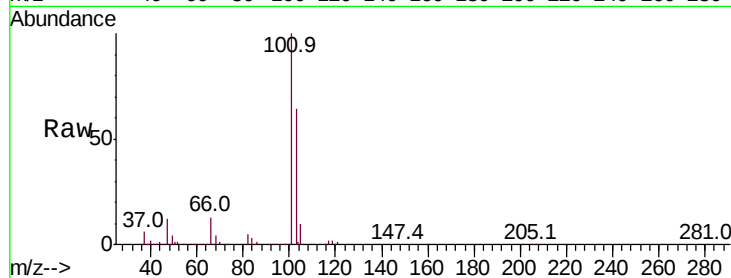


#7

Trichlorofluoromethane
Concen: 47.082 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampled :

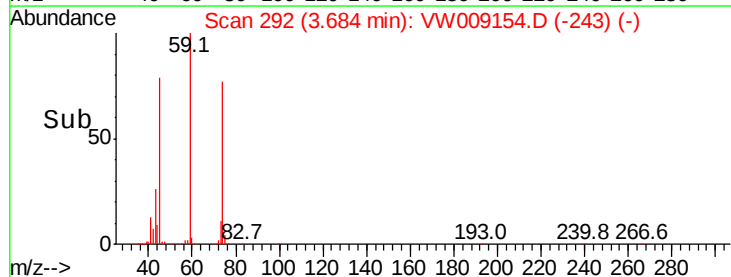
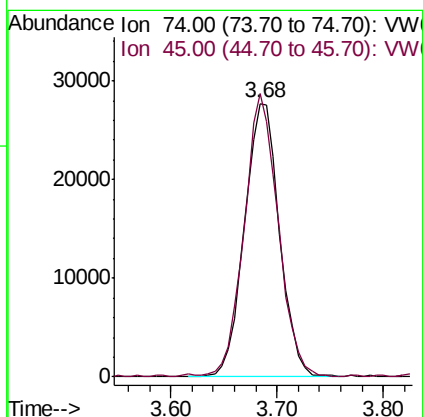
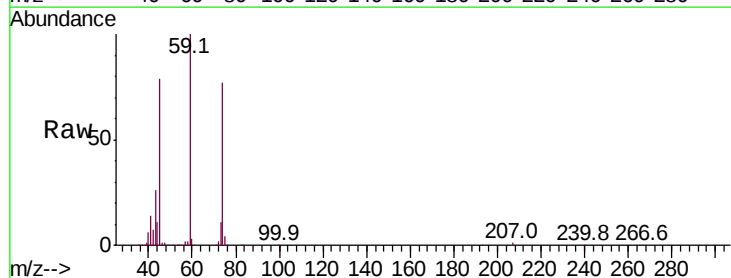
Tot Ion:101 Resp: 228284
Ion Ratio Lower Upper
101 100
103 63.7 49.9 74.9

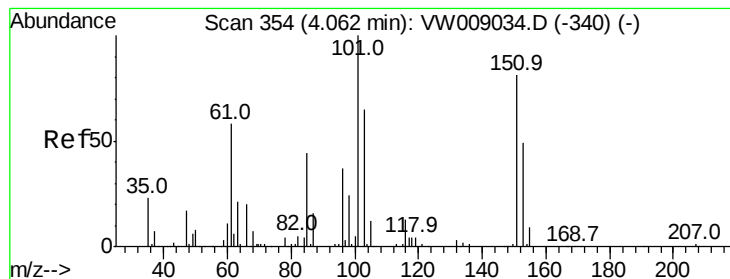


#8

Diethyl Ether
Concen: 43.078 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 74 Resp: 63866
Ion Ratio Lower Upper
74 100
45 100.9 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.223 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampled :

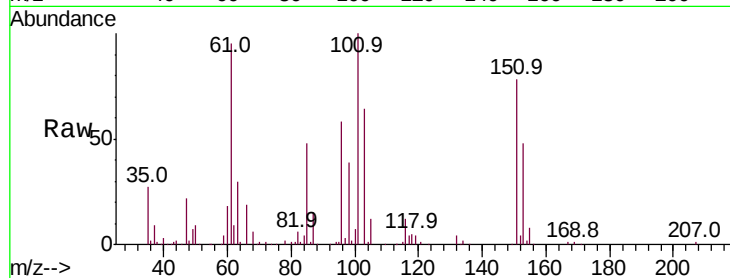
Tot Ion:101 Resp: 136566

Ion Ratio Lower Upper

101 100

85 46.5 36.2 54.4

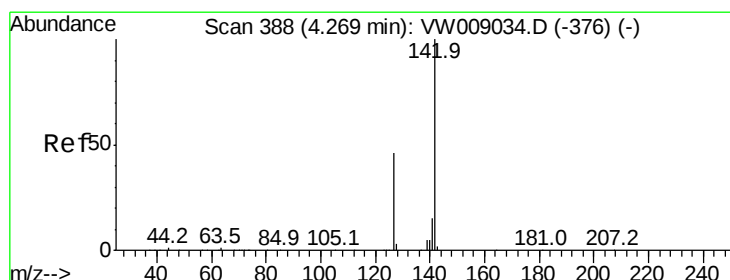
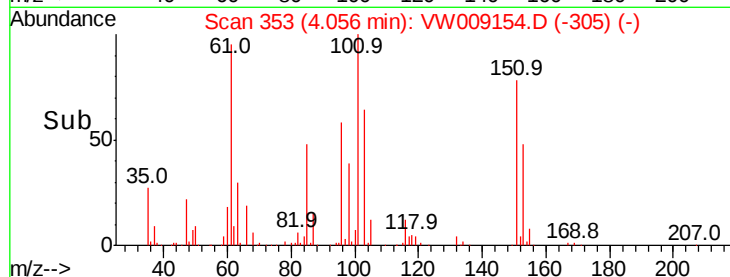
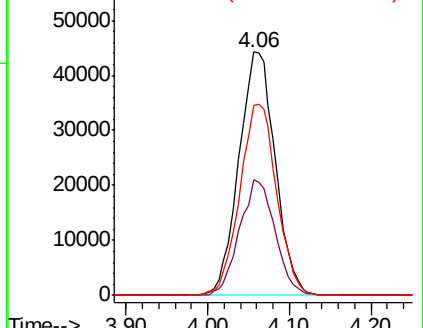
151 79.8 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.307 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

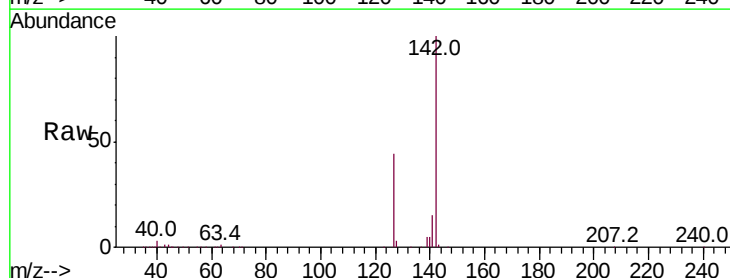
Tgt Ion:142 Resp: 150862

Ion Ratio Lower Upper

142 100

127 44.5 35.8 53.6

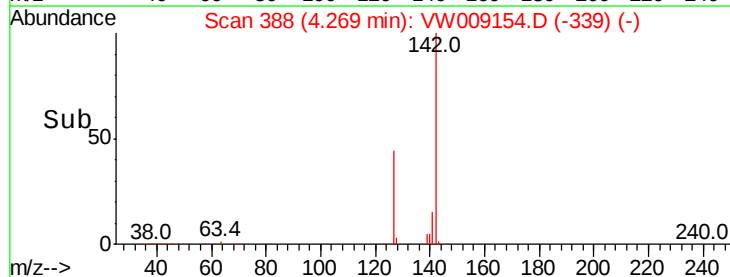
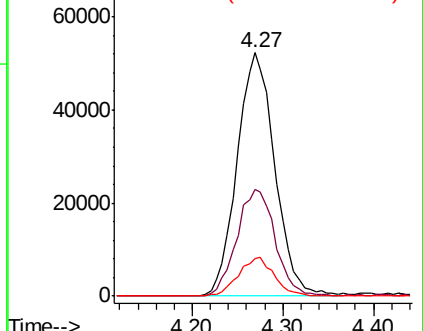
141 15.1 11.8 17.8

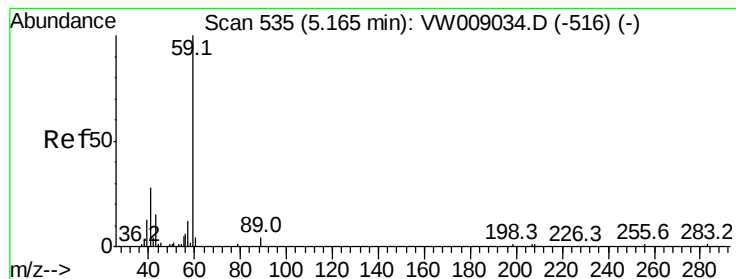


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



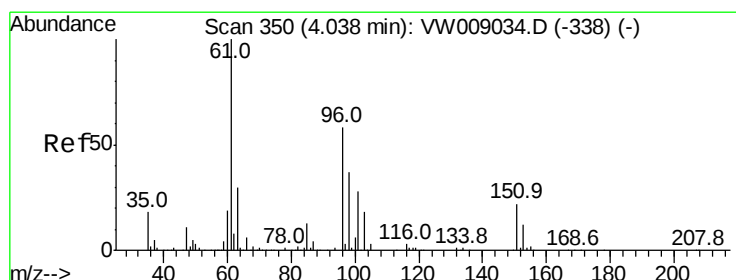
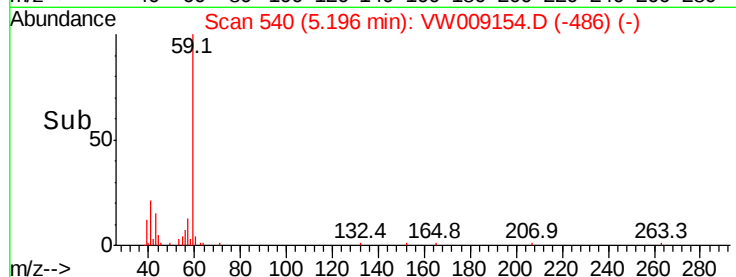
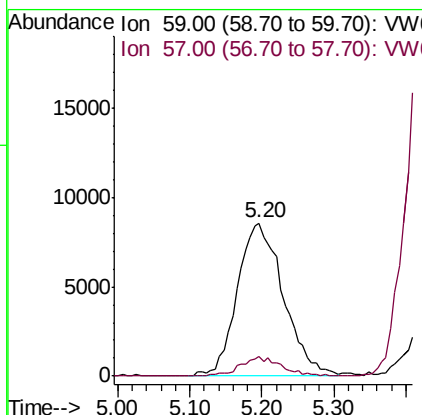
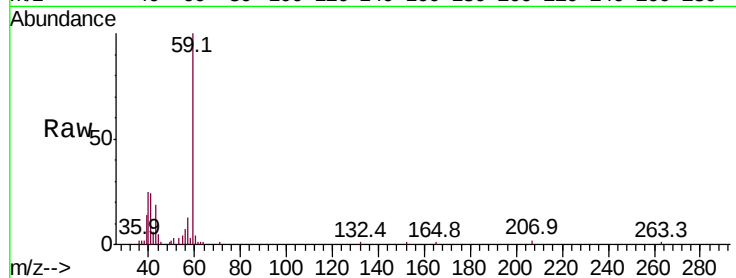


#11

Tert butyl alcohol
 Concen: 170.380 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.03 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Instrument :
 MSVOA_W
 ClientSampled :

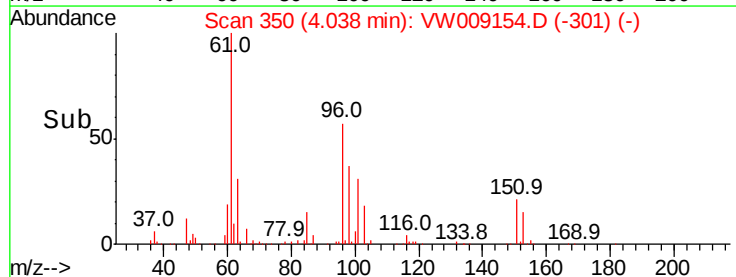
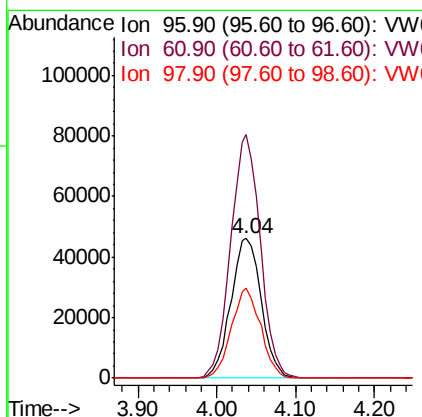
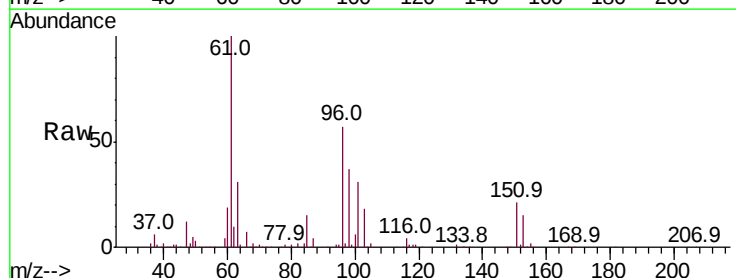
Tot Ion: 59 Resp: 38073
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.6 12.8

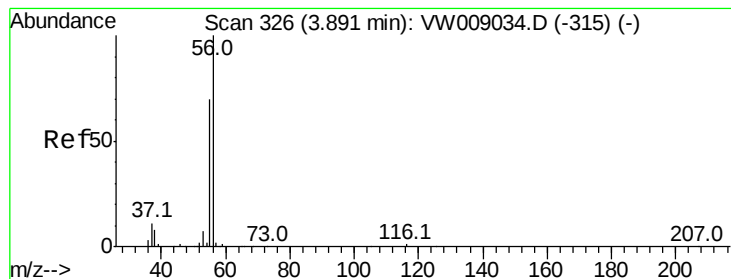


#12

1,1-Dichloroethene
 Concen: 47.481 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Tgt Ion: 96 Resp: 123683
 Ion Ratio Lower Upper
 96 100
 61 174.1 138.2 207.2
 98 64.7 51.3 76.9





#13

Acrolein

Concen: 170.402 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

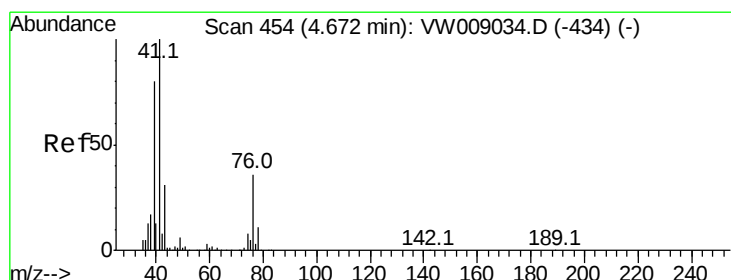
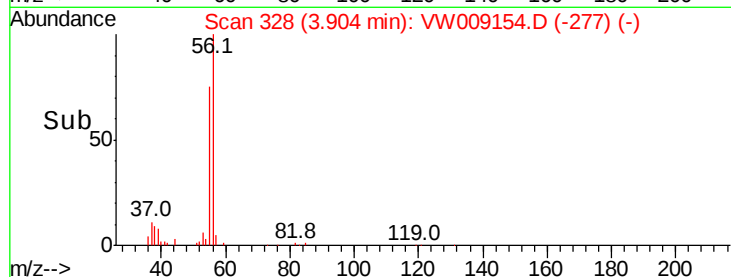
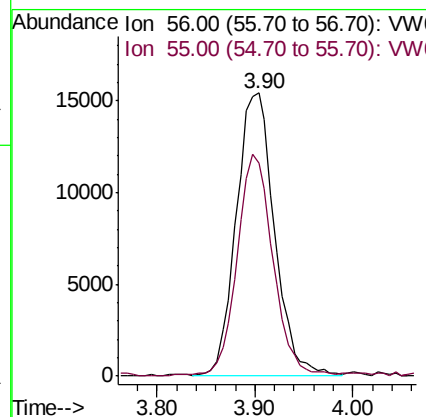
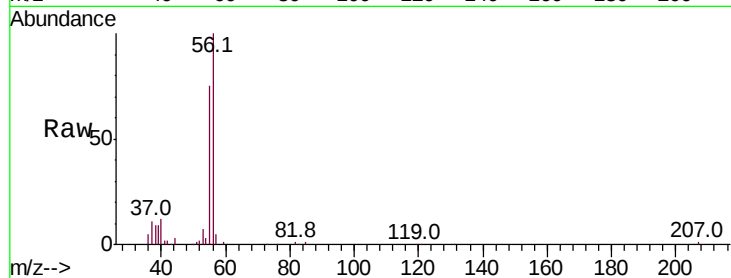
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 41901

Ion Ratio Lower Upper

56 100

55 74.2 56.6 84.8



#14

Allyl chloride

Concen: 48.568 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

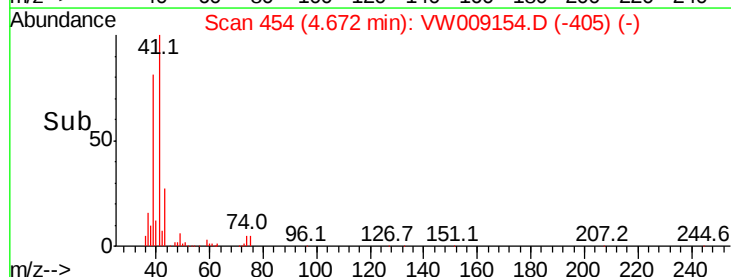
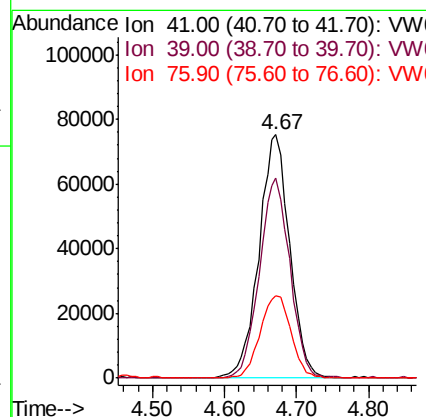
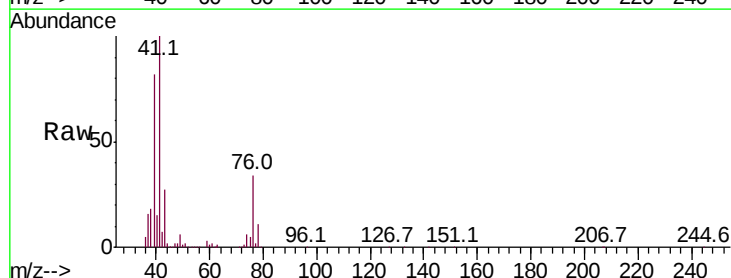
Tgt Ion: 41 Resp: 223161

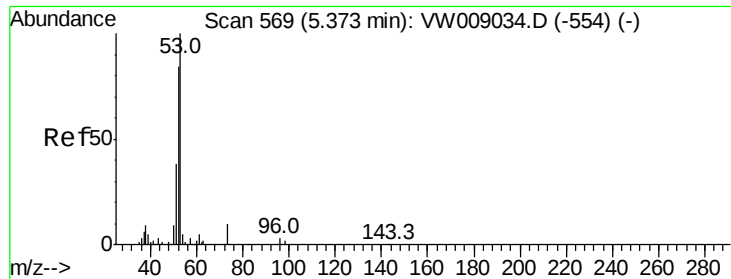
Ion Ratio Lower Upper

41 100

39 81.1 63.0 94.4

76 34.1 28.2 42.2





#15

Acrylonitrile

Concen: 212.094 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

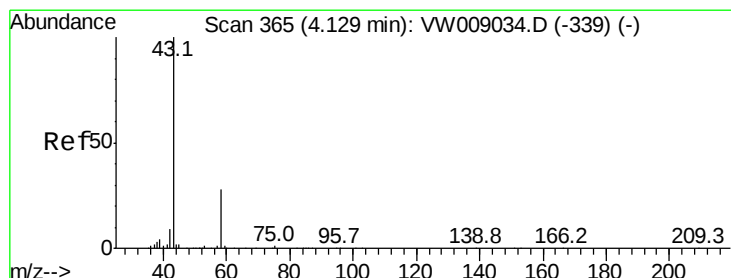
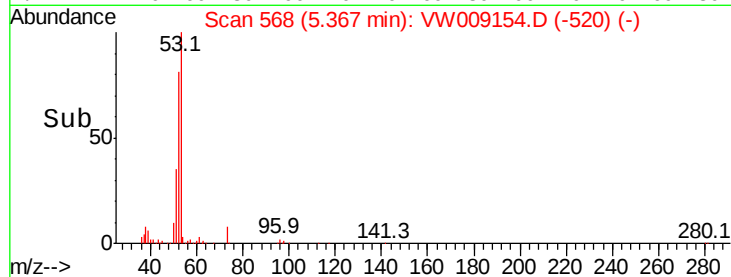
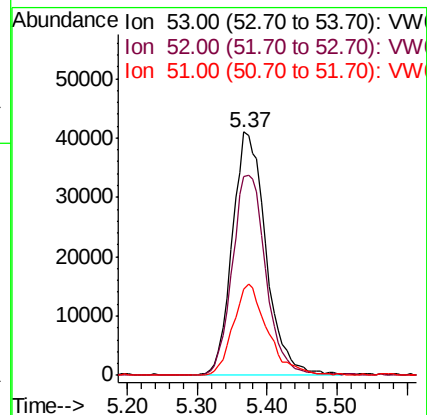
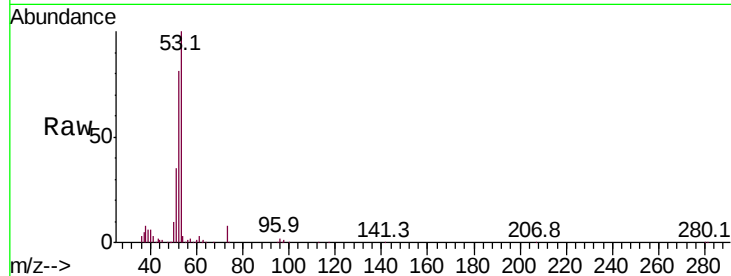
Tot Ion: 53 Resp: 137238

Ion Ratio Lower Upper

53 100

52 82.0 67.2 100.8

51 38.4 31.8 47.6



#16

Acetone

Concen: 211.039 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009154.D

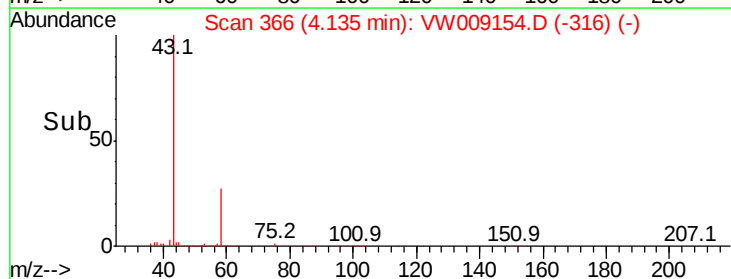
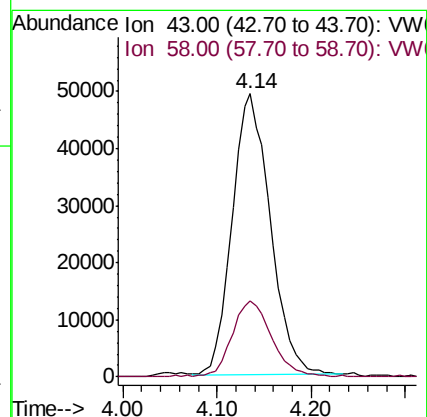
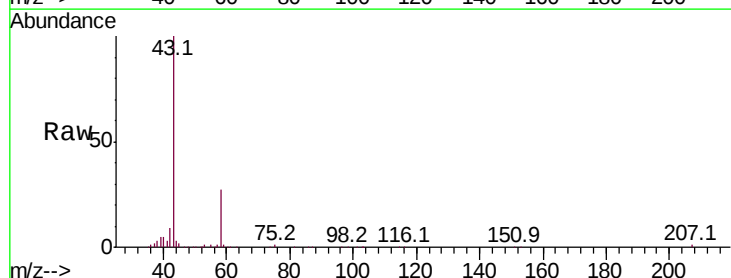
Acq: 13 Mar 2019 14:18

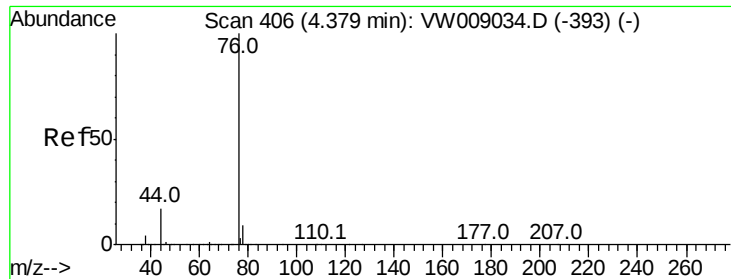
Tgt Ion: 43 Resp: 138871

Ion Ratio Lower Upper

43 100

58 27.1 22.5 33.7

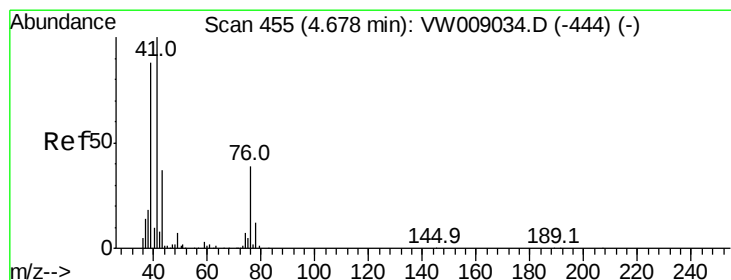
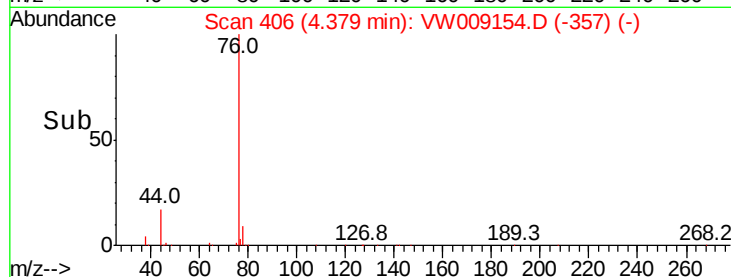
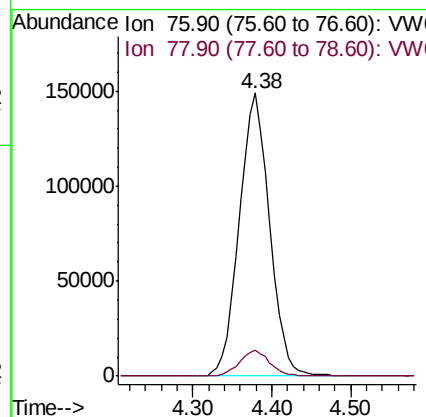
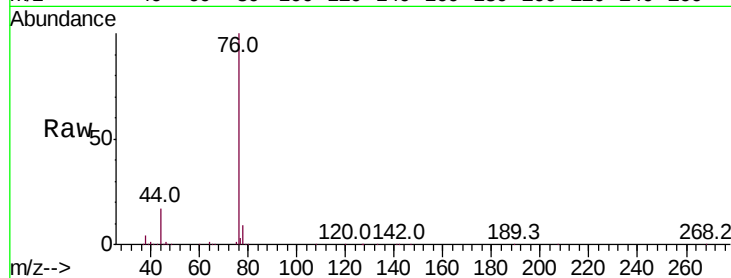




#17
Carbon Disulfide
Concen: 45.485 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

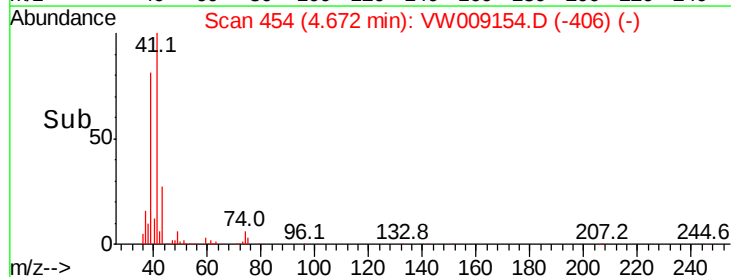
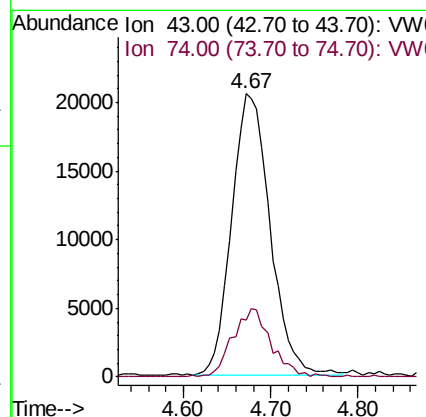
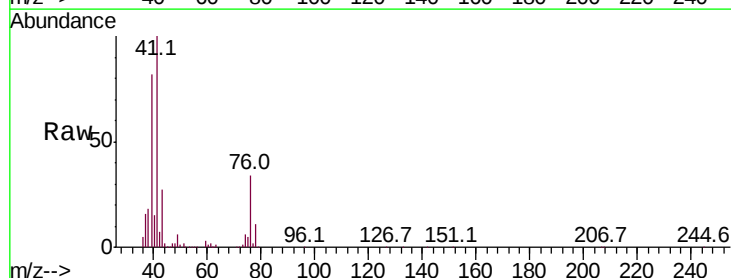
Instrument :
MSVOA_W
ClientSampleId :

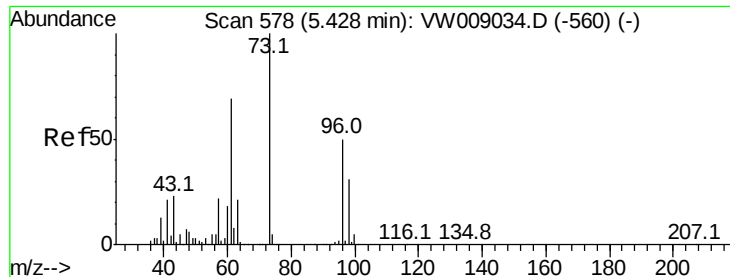
Tot Ion: 76 Resp: 398648
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 41.644 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 43 Resp: 63014
Ion Ratio Lower Upper
43 100
74 24.1 17.6 26.4

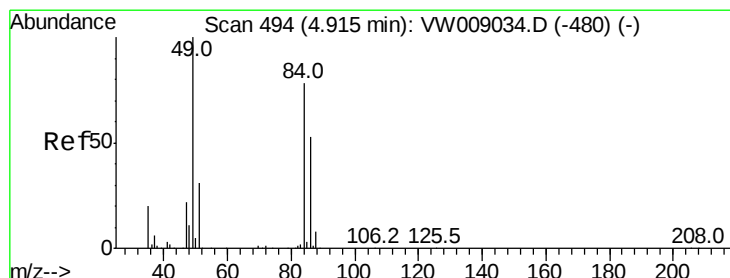
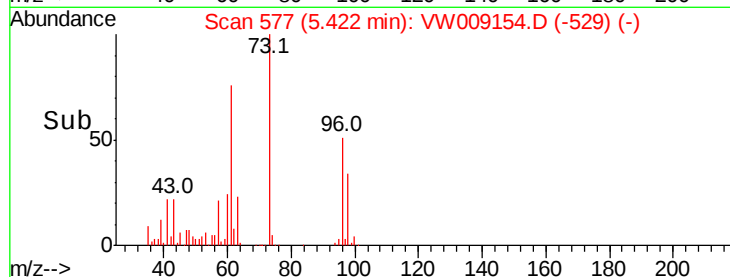
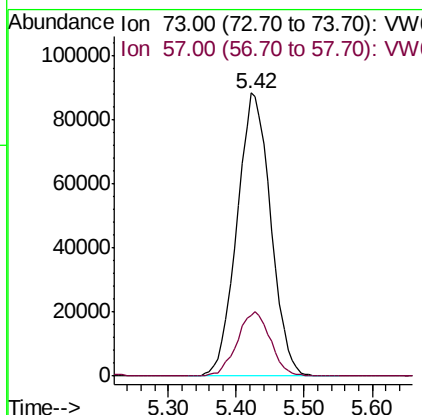
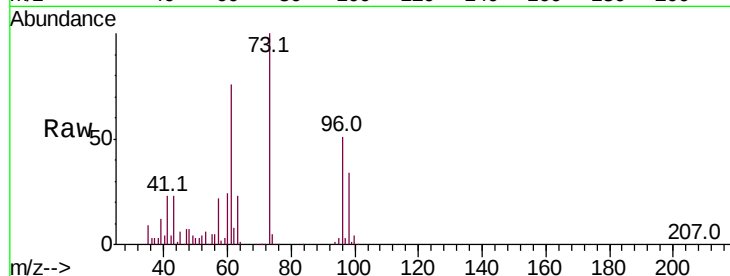




#19
Methvl tert-butvl Ether
Concen: 44.189 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

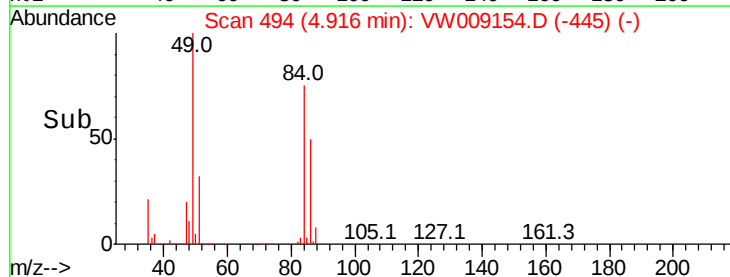
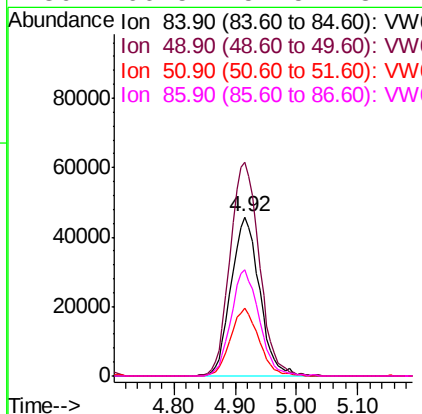
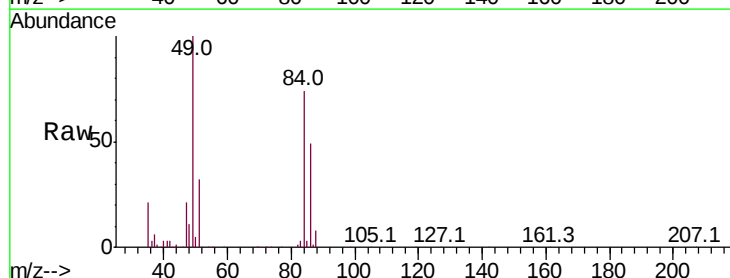
Instrument :
MSVOA_W
ClientSampled :

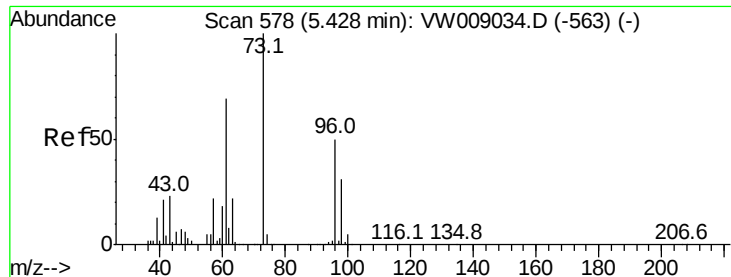
Tot Ion: 73 Resp: 304492
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9



#20
Methylene Chloride
Concen: 47.075 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 84 Resp: 146703
Ion Ratio Lower Upper
84 100
49 134.4 102.4 153.6
51 42.9 31.6 47.4
86 66.5 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 46.694 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

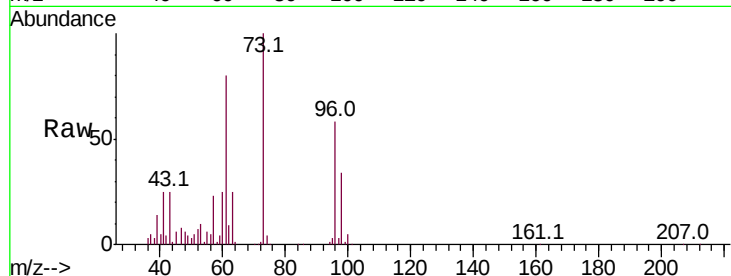
Tot Ion: 96 Resp: 140445

Ion Ratio Lower Upper

96 100

61 137.3 111.0 166.6

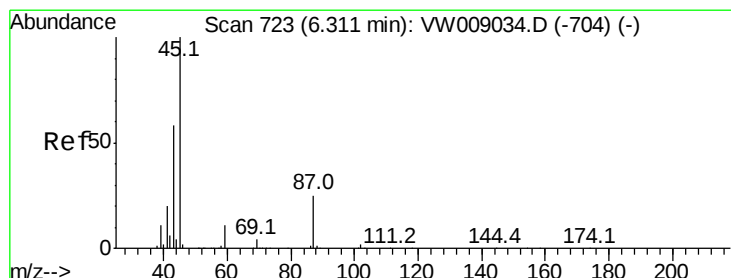
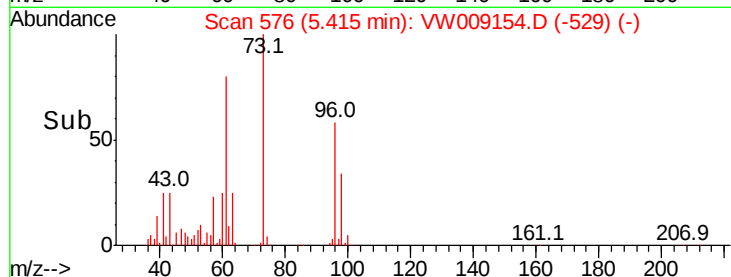
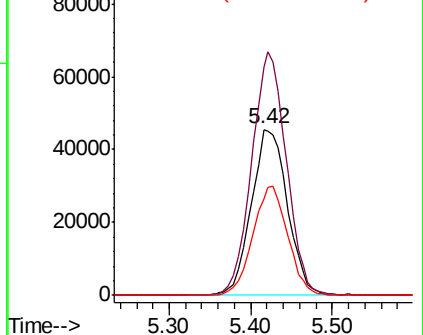
98 58.2 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.965 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion: 45 Resp: 447106

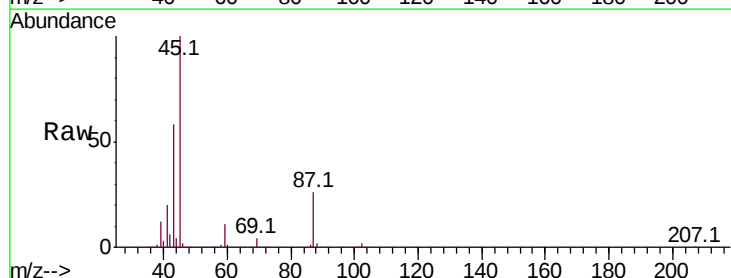
Ion Ratio Lower Upper

45 100

43 58.3 46.2 69.4

87 26.3 20.1 30.1

59 10.5 8.4 12.6

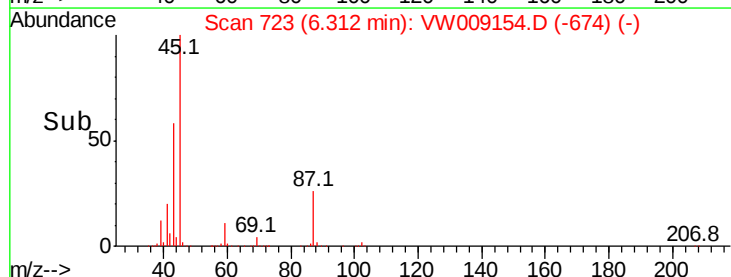
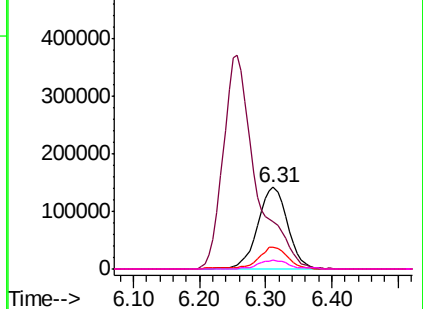


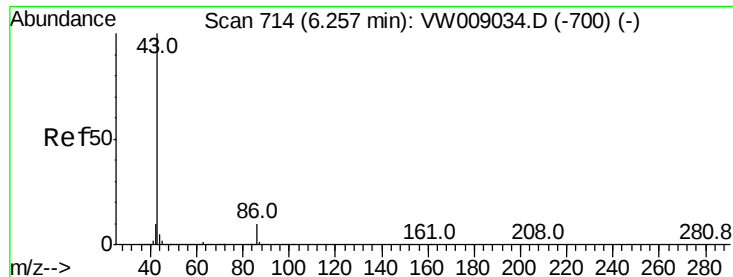
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 222.239 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

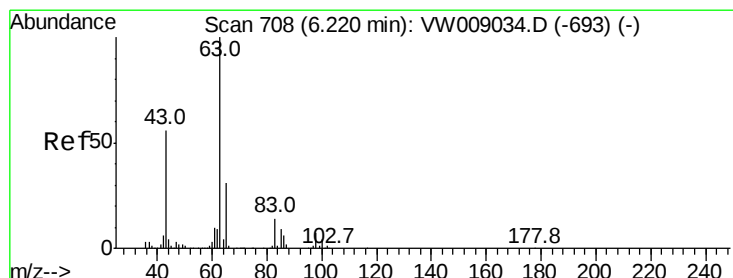
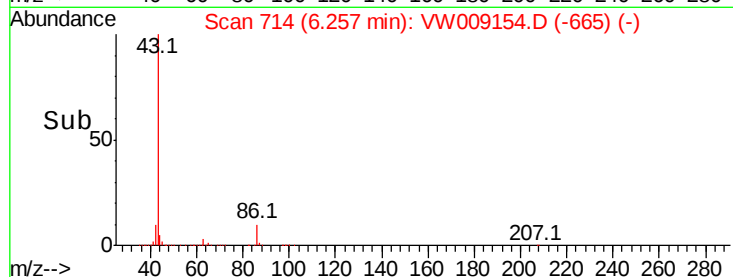
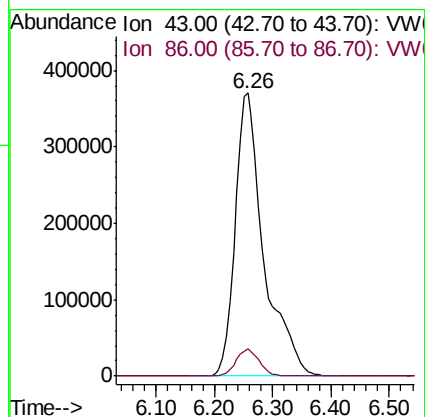
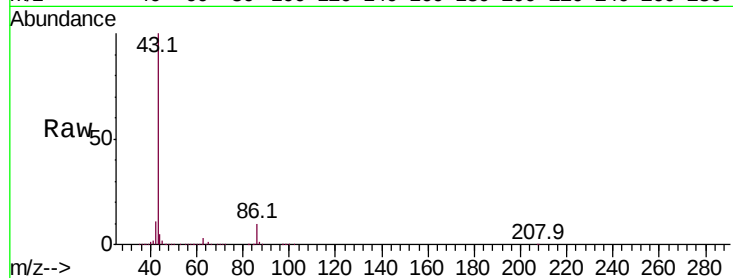
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1262824

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



#24

1,1-Dichloroethane

Concen: 47.777 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

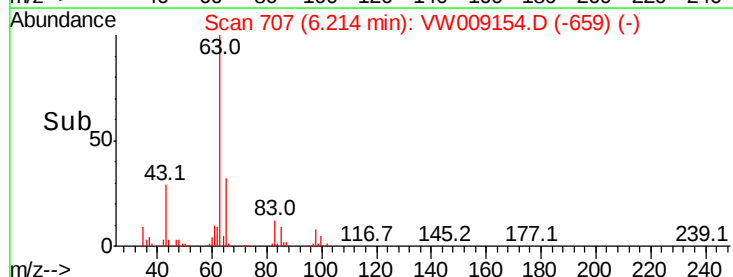
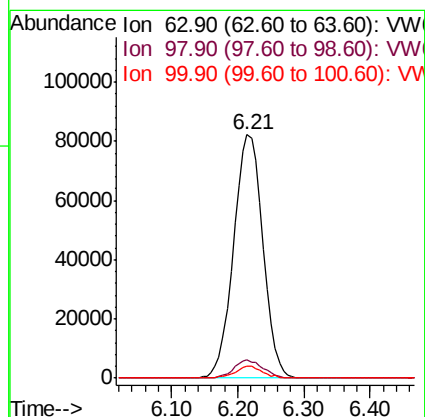
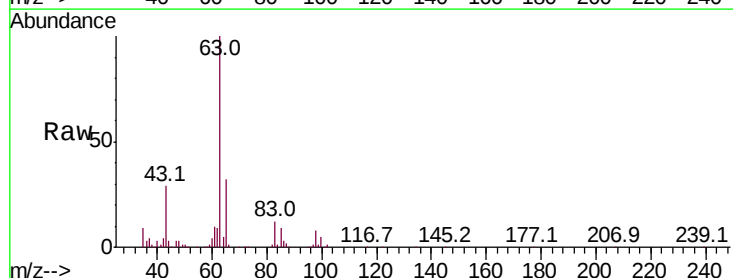
Tgt Ion: 63 Resp: 253043

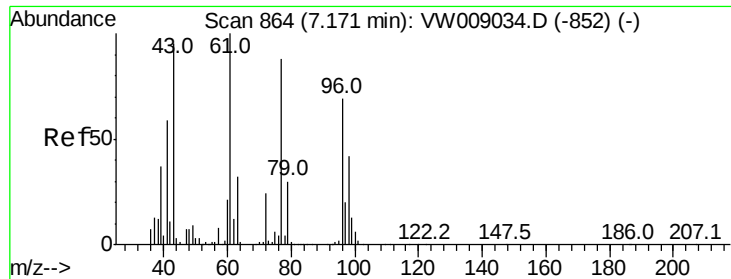
Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 203.439 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

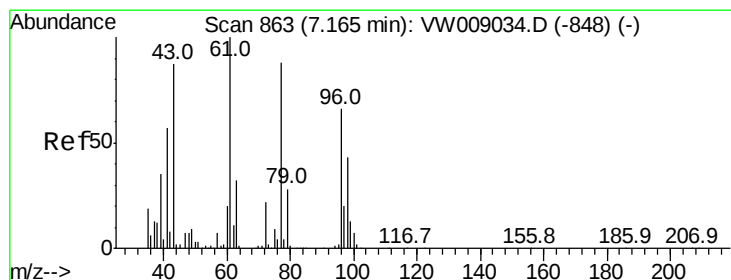
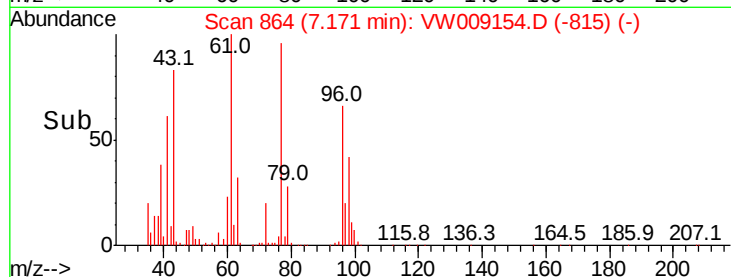
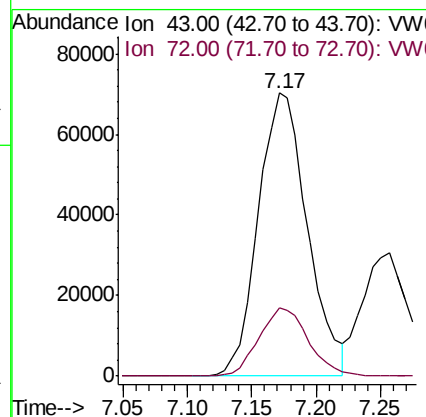
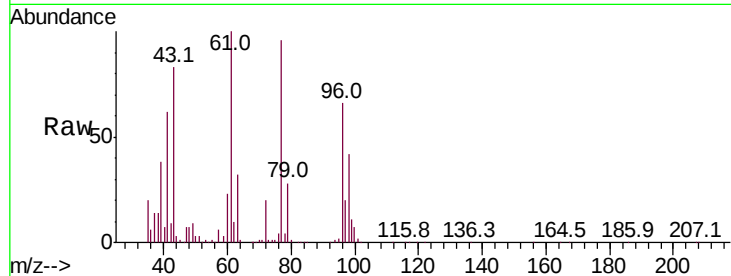
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 185011

Ion Ratio Lower Upper

43 100

72 24.0 20.0 30.0



#26

2,2-Dichloropropane

Concen: 49.440 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009154.D

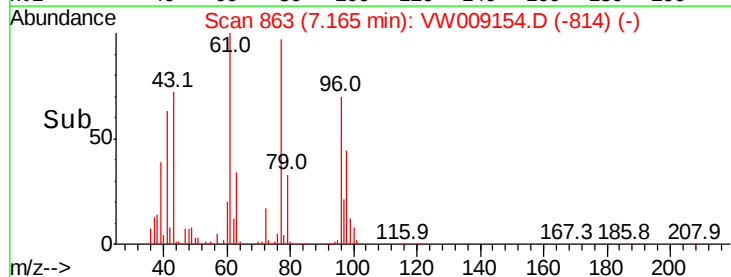
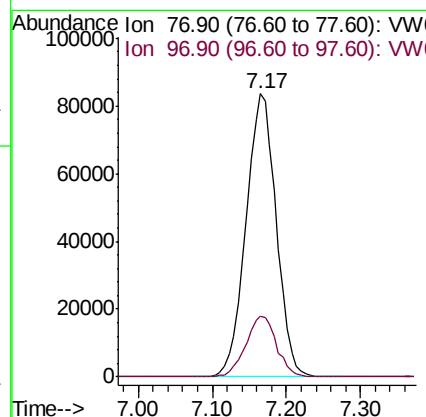
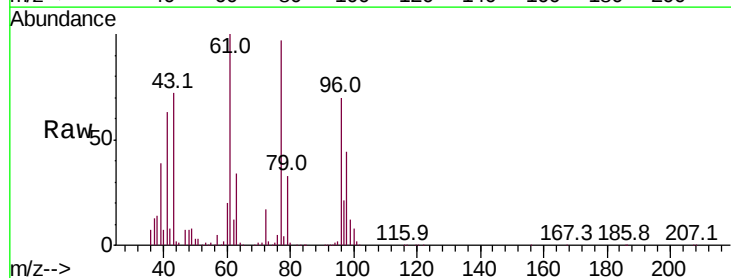
Acq: 13 Mar 2019 14:18

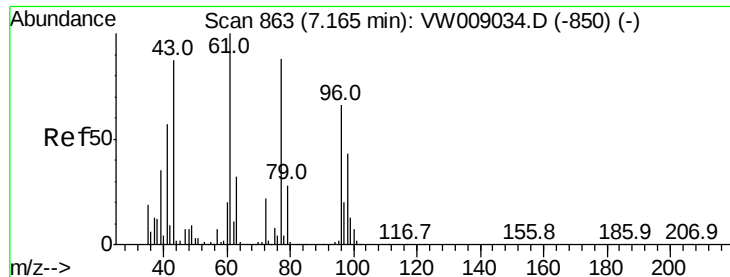
Tgt Ion: 77 Resp: 238014

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.9



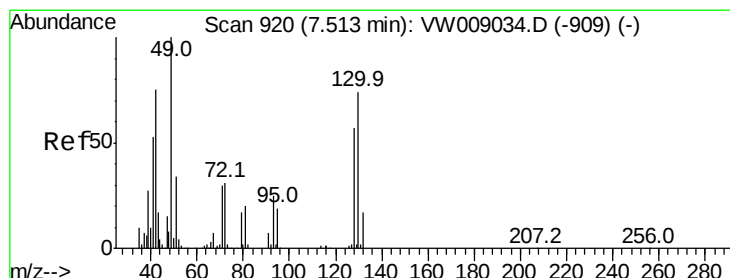
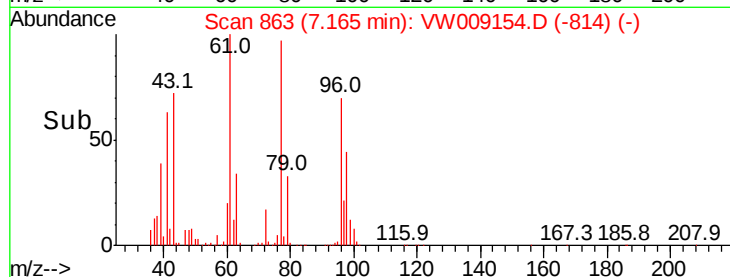
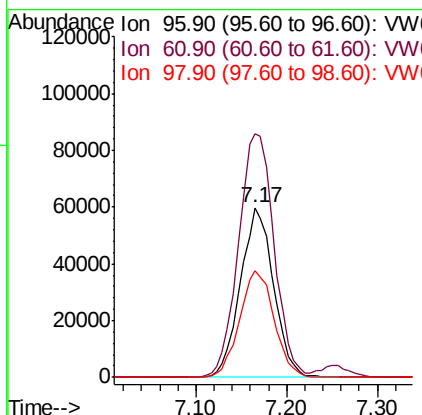
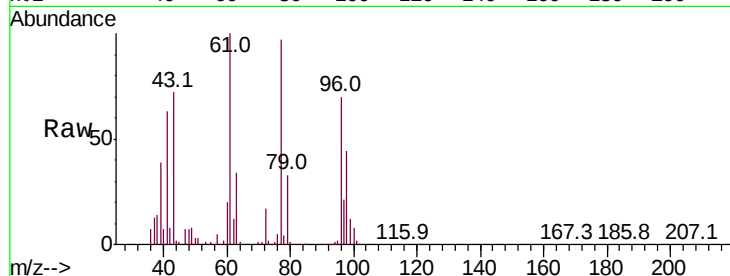


#27

cis-1,2-Dichloroethene
Concen: 46.959 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampled :

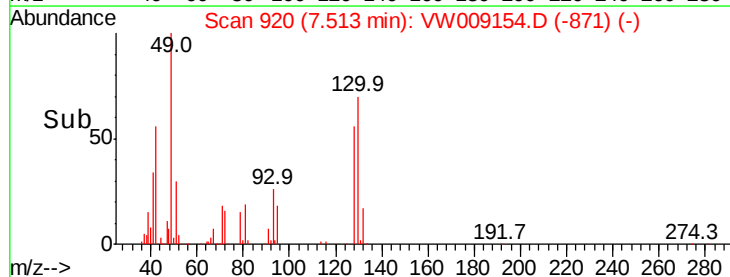
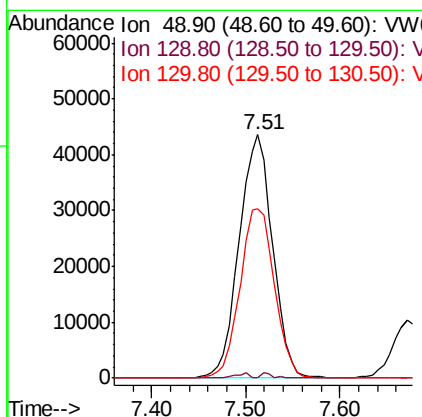
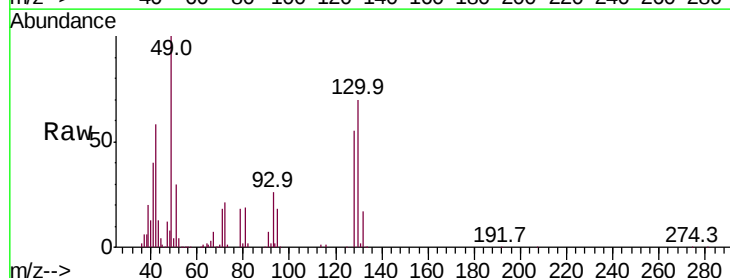
Tot Ion	96	Resp	151691
Ion Ratio	Lower	Upper	
96	100		
61	153.8	0.0	299.8
98	64.9	0.0	127.2

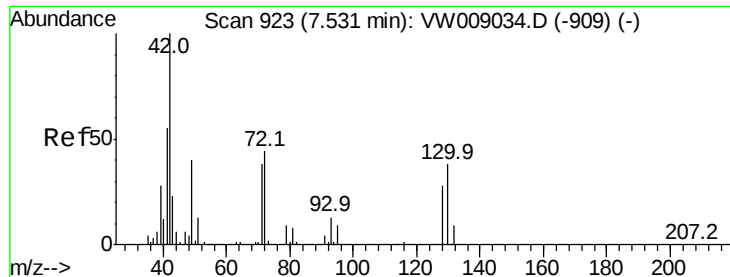


#28

Bromochloromethane
Concen: 49.102 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	49	Resp	108170
Ion Ratio	Lower	Upper	
49	100		
129	0.7	0.0	4.6
130	71.8	60.4	90.6

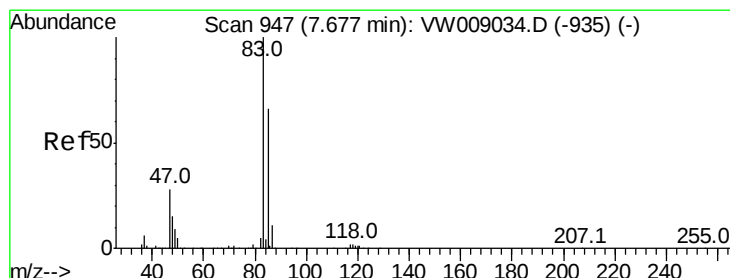
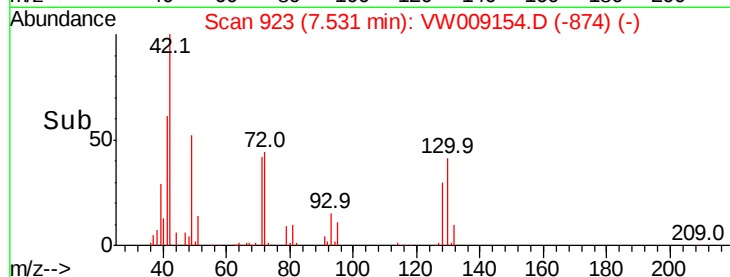
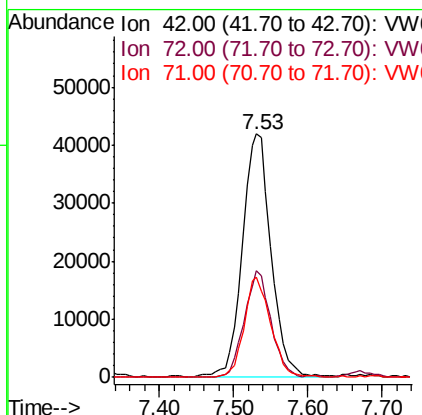
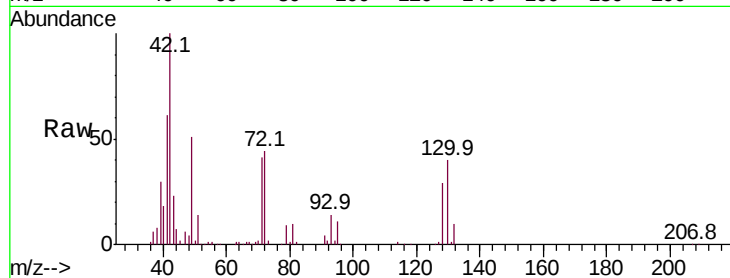




#29
Tetrahydrofuran
Concen: 197.417 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

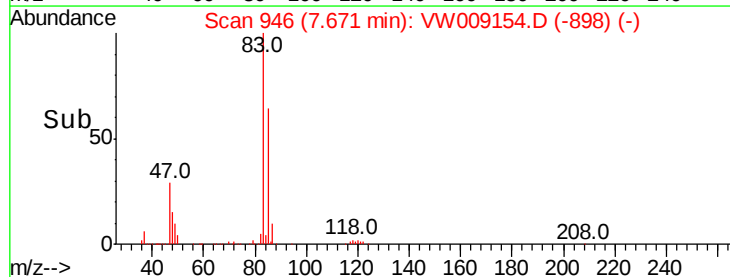
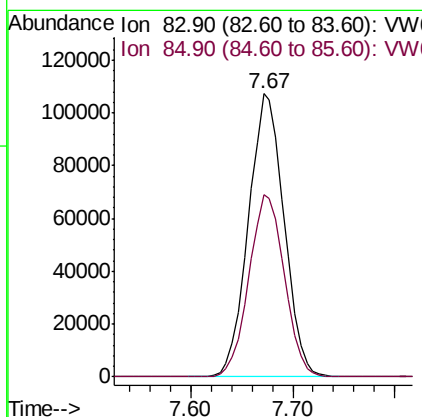
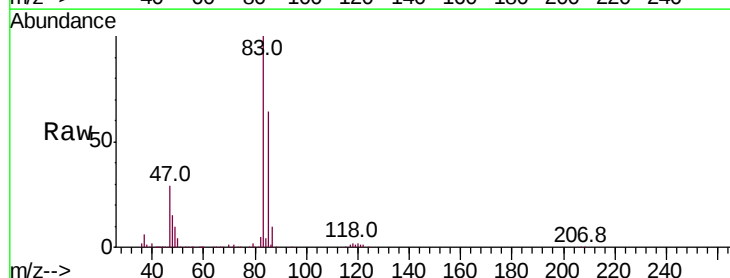
Instrument :
MSVOA_W
ClientSampled :

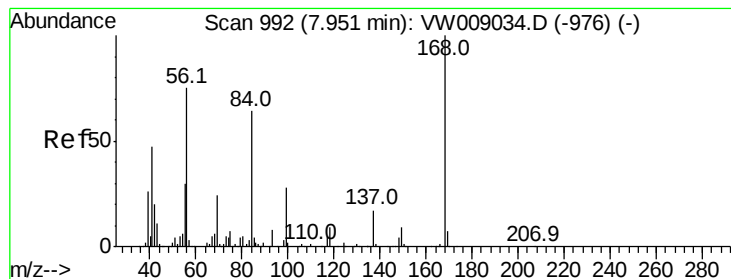
Tot Ion: 42 Resp: 113138
Ion Ratio Lower Upper
42 100
72 40.6 32.2 48.4
71 38.1 30.7 46.1



#30
Chloroform
Concen: 47.774 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 83 Resp: 260501
Ion Ratio Lower Upper
83 100
85 64.5 53.0 79.6





#31

Cyclohexane

Concen: 46.131 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :

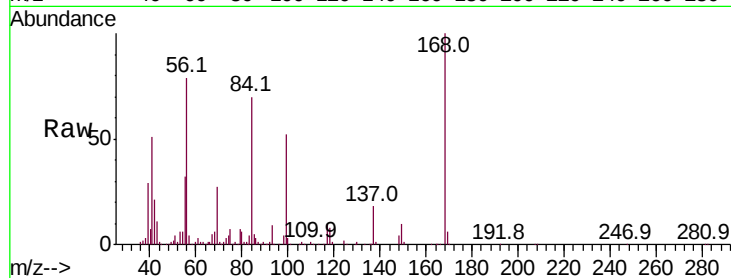
Tot Ion: 56 Resp: 250871

Ion Ratio Lower Upper

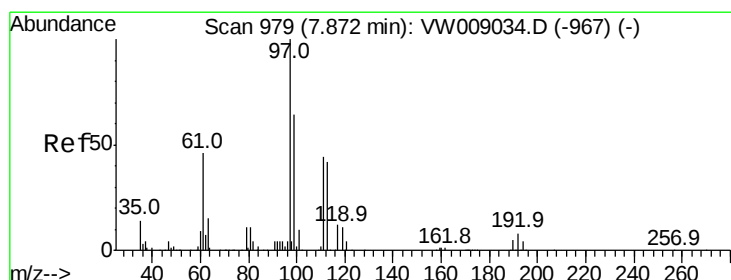
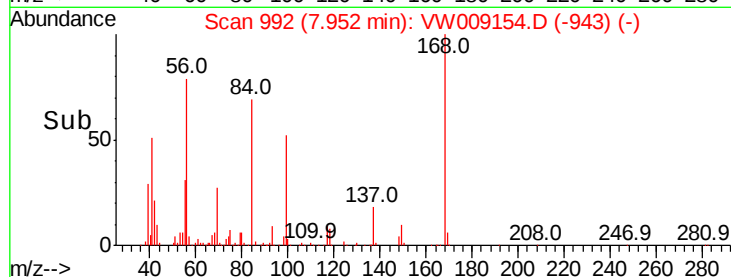
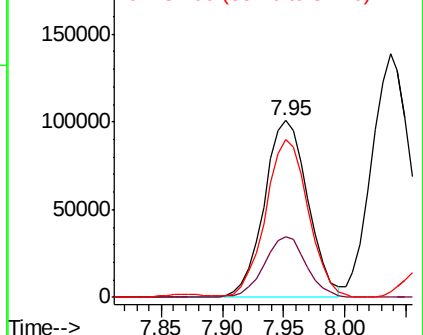
56 100

69 34.1 25.5 38.3

84 87.8 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 48.051 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

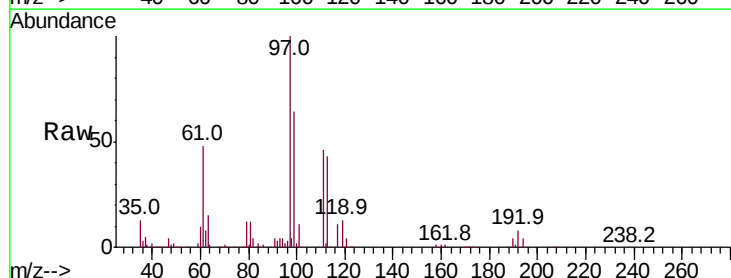
Tgt Ion: 97 Resp: 241801

Ion Ratio Lower Upper

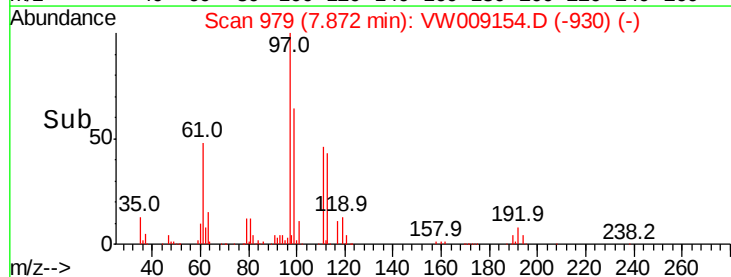
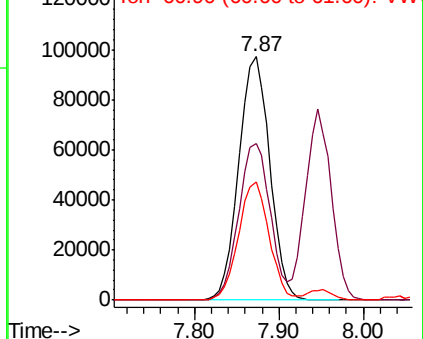
97 100

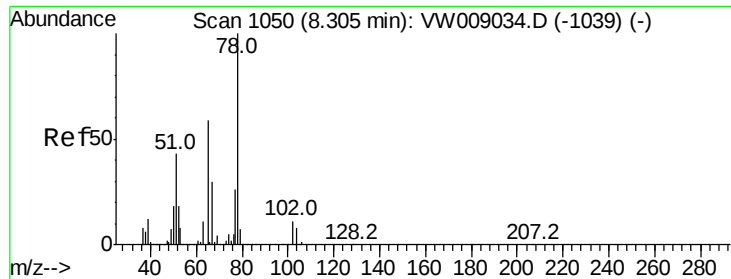
99 65.2 51.8 77.8

61 47.9 37.3 55.9



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

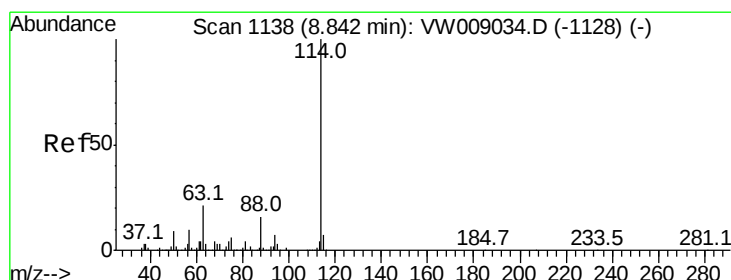
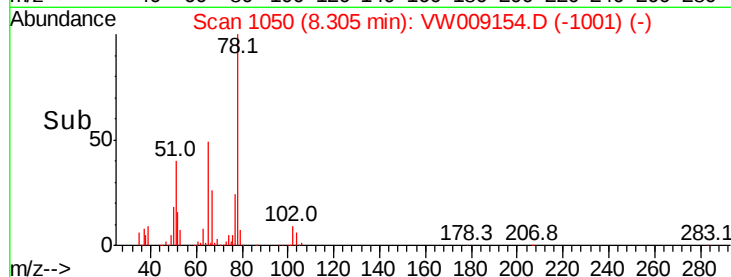
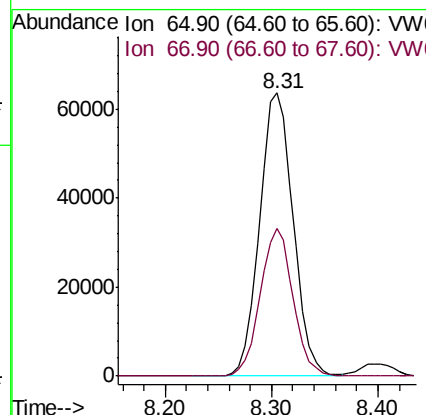
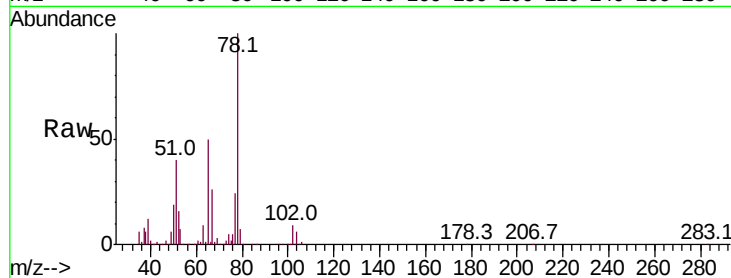




#33
 1,2-Dichloroethane-d4
 Concen: 48.265 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

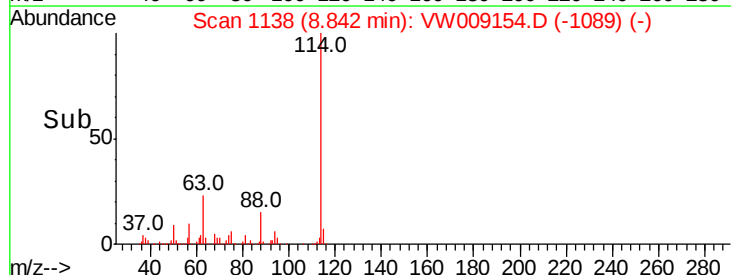
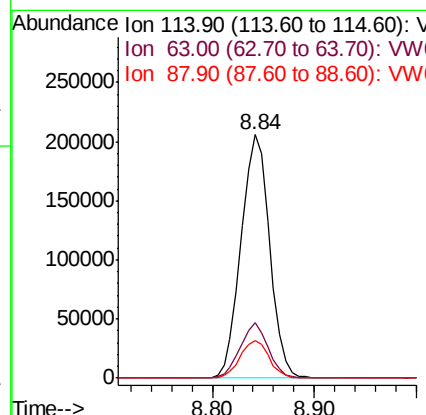
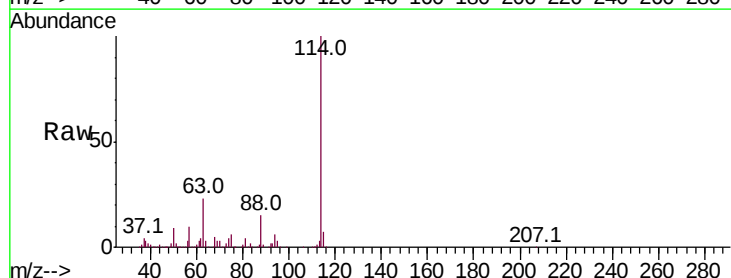
Instrument :
 MSVOA_W
 ClientSampleId :

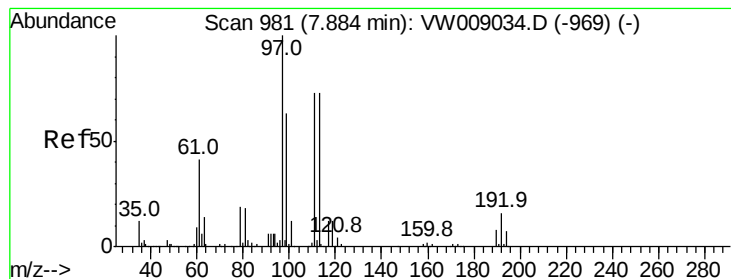
Tot Ion: 65 Resp: 140743
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Tgt Ion: 114 Resp: 400093
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 41.2
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.438 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :

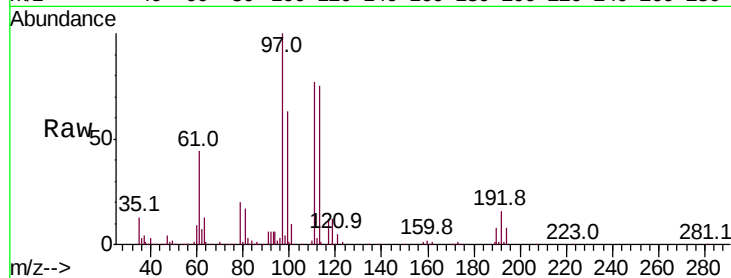
Tot Ion:113 Resp: 126320

Ion Ratio Lower Upper

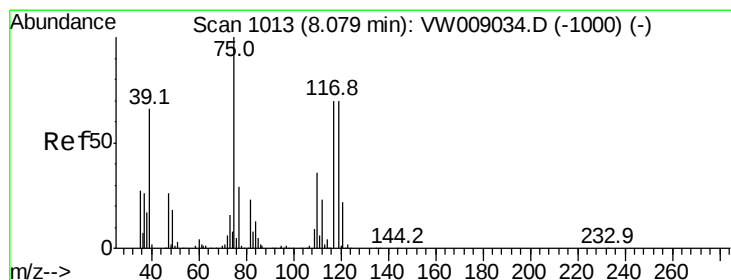
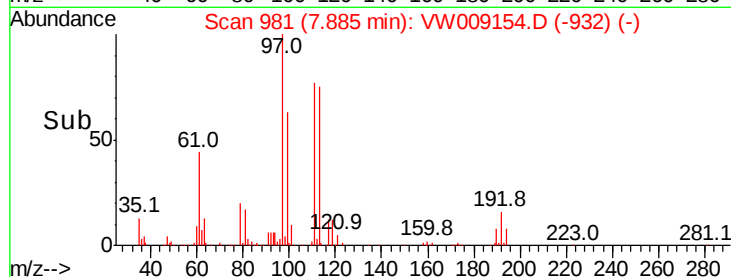
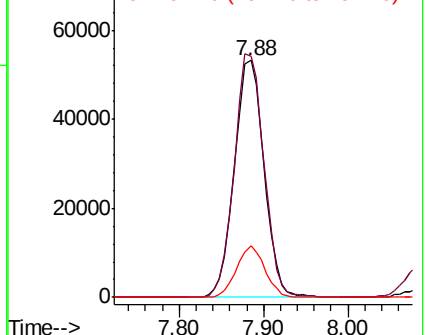
113 100

111 102.8 81.0 121.4

192 20.7 17.1 25.7



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: 50.979 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

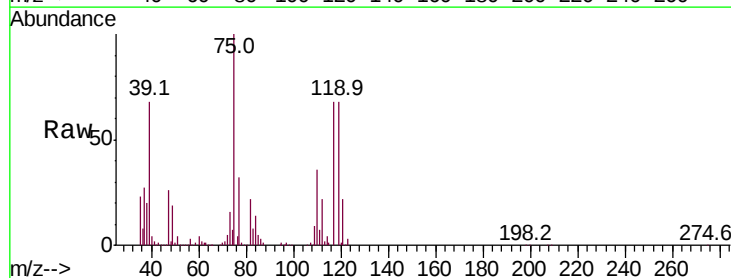
Tgt Ion: 75 Resp: 213266

Ion Ratio Lower Upper

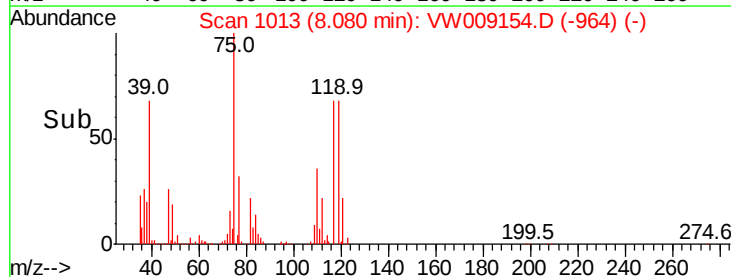
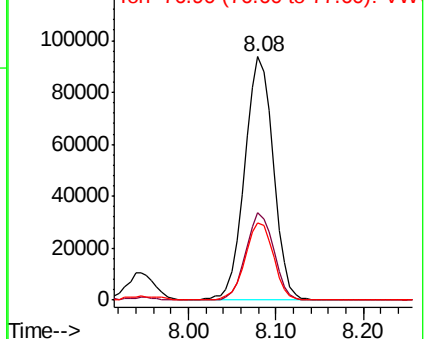
75 100

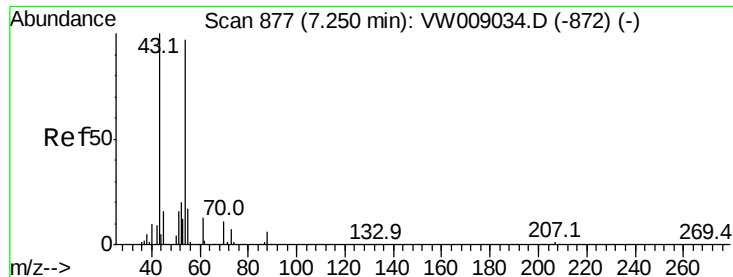
110 34.9 17.6 52.9

77 31.5 25.1 37.7



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

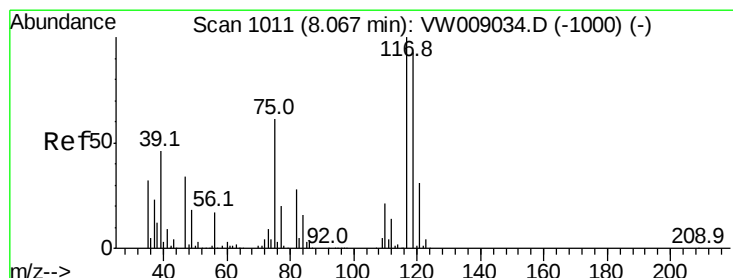
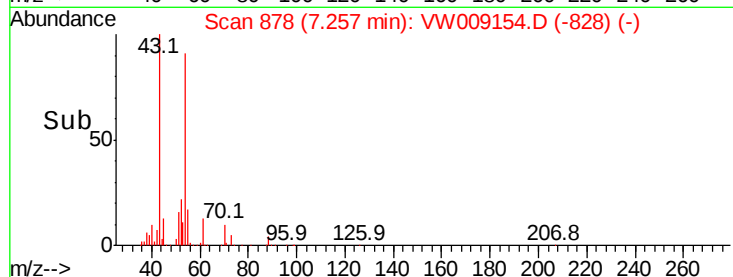
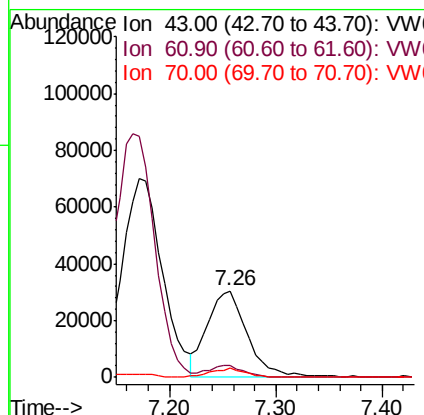
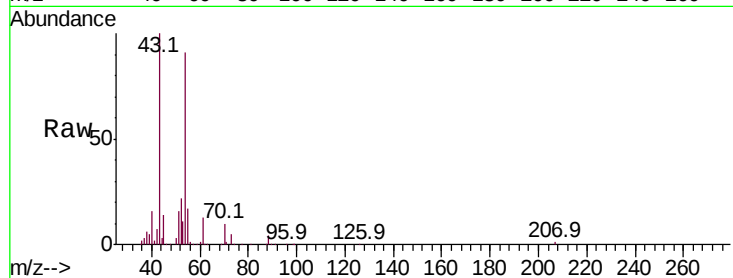




#37
Ethyl Acetate
Concen: 39.263 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

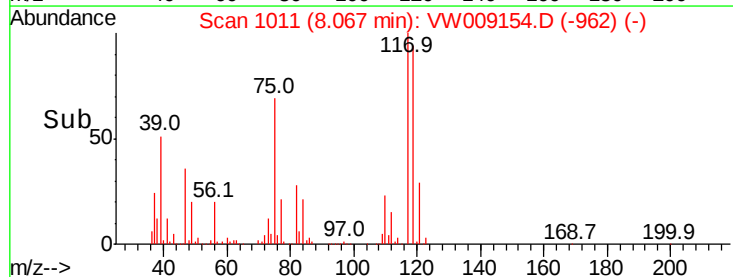
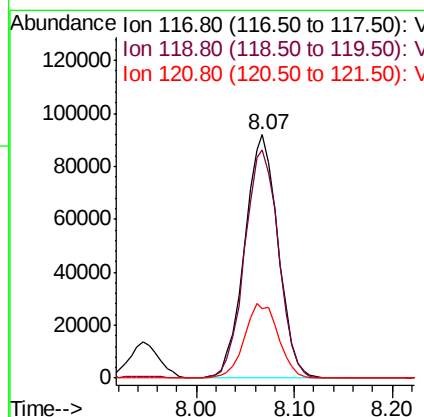
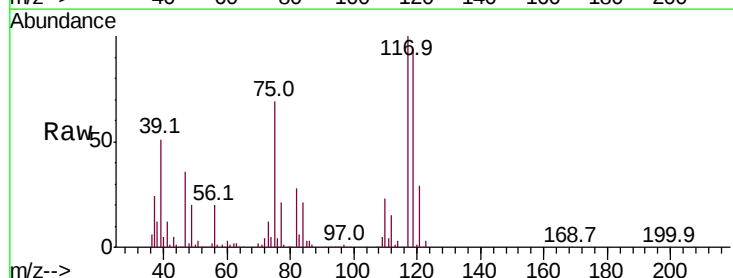
Instrument :
MSVOA_W
ClientSampleId :

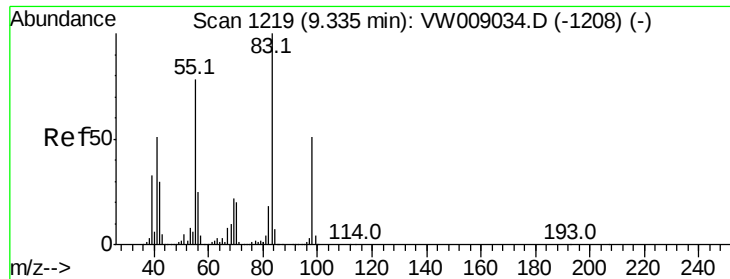
Tot Ion: 43 Resp: 77152
Ion Ratio Lower Upper
43 100
61 11.6 9.8 14.6
70 9.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 50.534 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 117 Resp: 218328
Ion Ratio Lower Upper
117 100
119 93.8 74.6 112.0
121 28.8 24.7 37.1

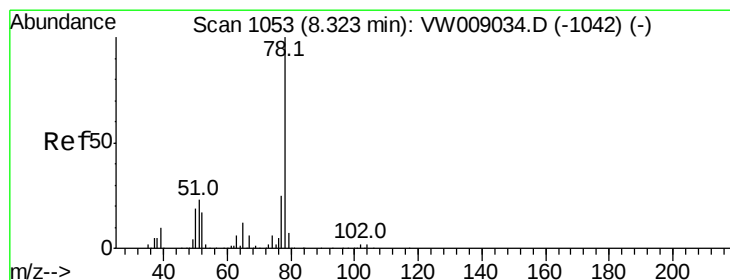
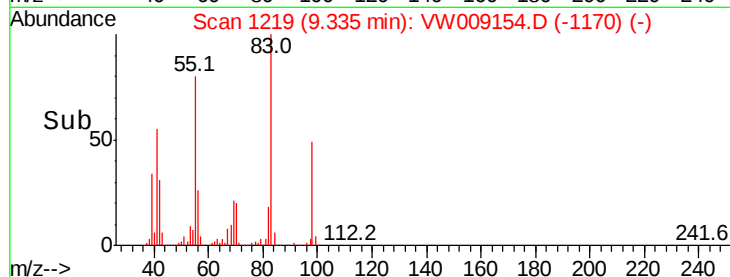
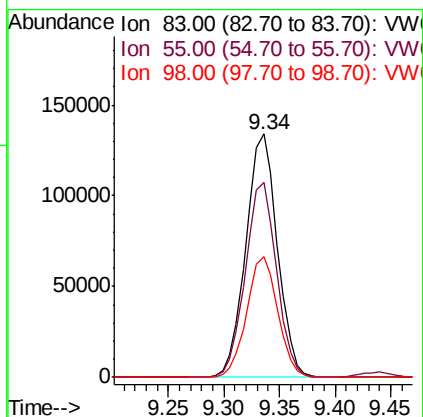
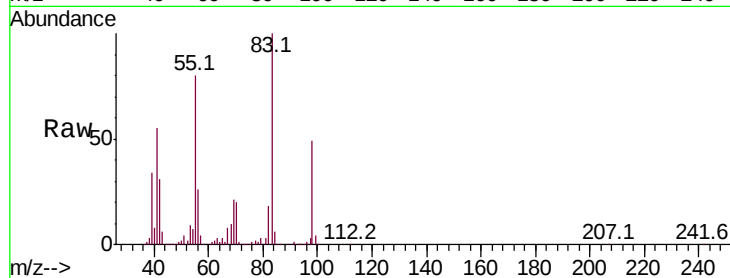




#39
Methvlcvclohexane
Concen: 53.060 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

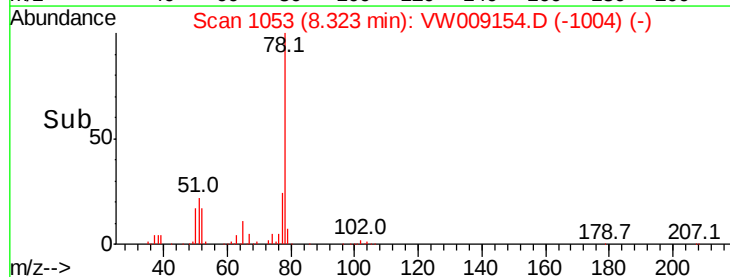
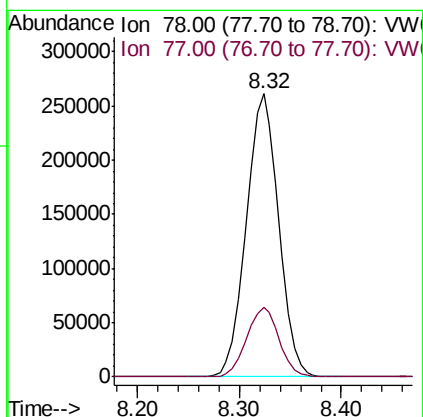
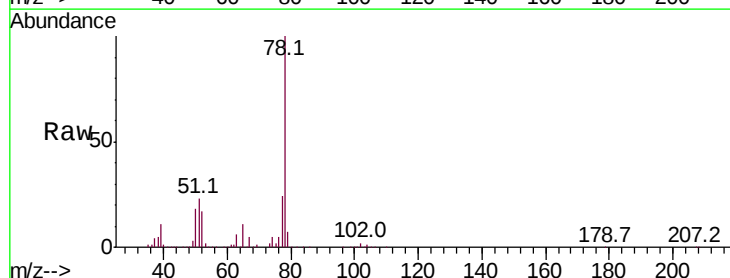
Instrument :
MSVOA_W
ClientSampleId :

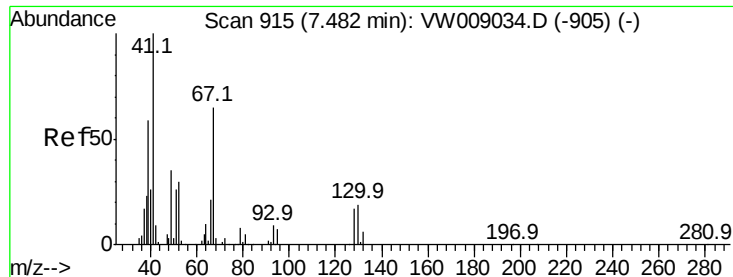
Tot Ion: 83 Resp: 264386
Ion Ratio Lower Upper
83 100
55 80.1 62.7 94.1
98 49.5 40.8 61.2



#40
Benzene
Concen: 51.603 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 78 Resp: 576277
Ion Ratio Lower Upper
78 100
77 24.5 20.2 30.4

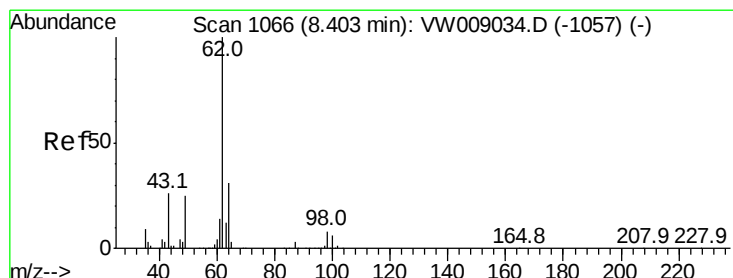
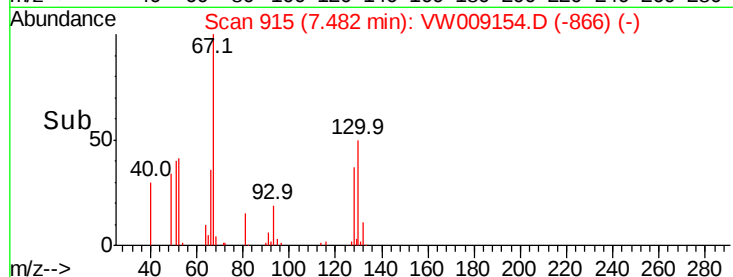
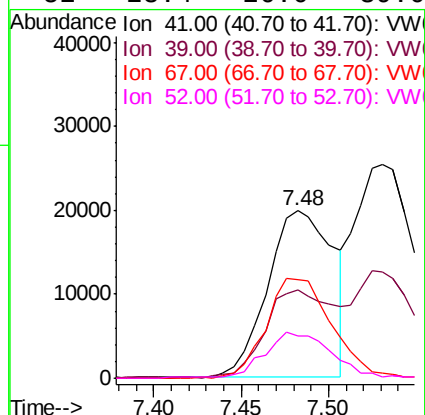
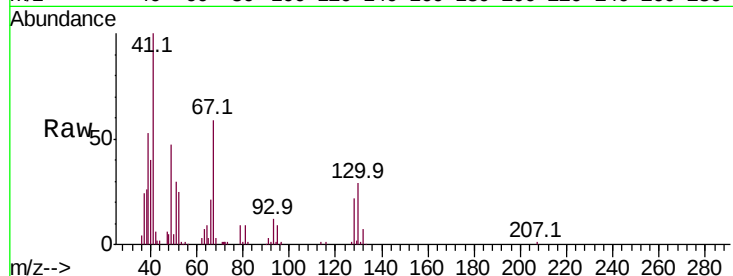




#41
Methacrylonitrile
Concen: 47.694 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

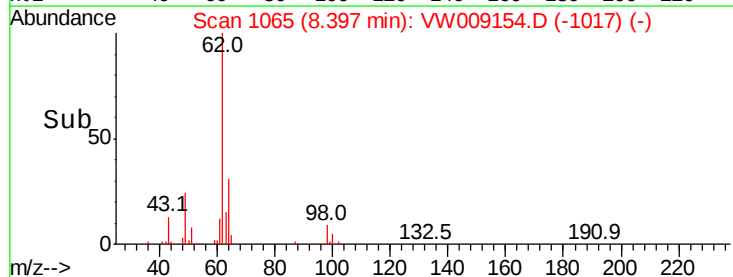
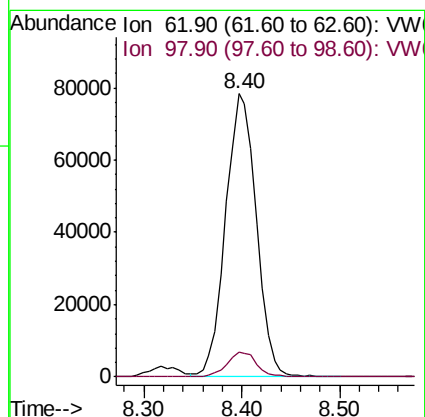
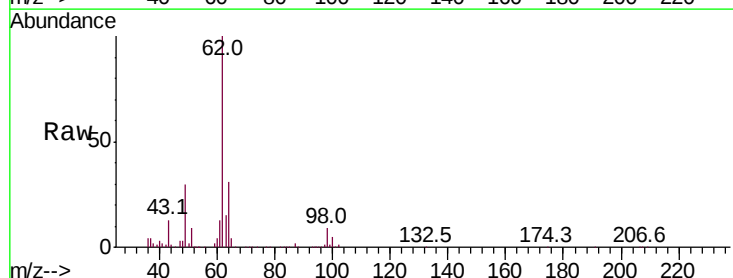
Instrument :
MSVOA_W
ClientSampled :

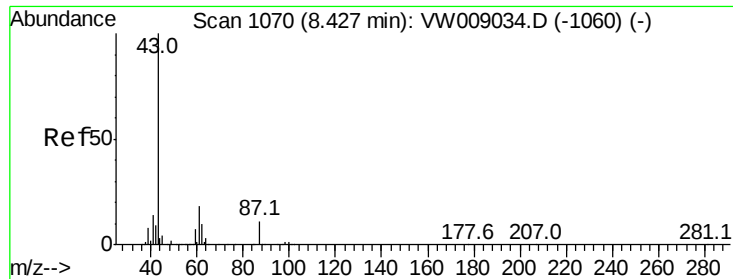
Tot Ion:	41	Resp:	52043
Ion	Ratio	Lower	Upper
41	100		
39	55.3	53.6	80.4
67	60.5	57.6	86.4
52	28.4	26.0	39.0



#42
1,2-Dichloroethane
Concen: 47.367 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion:	62	Resp:	170773
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.6





#43

Isopropyl Acetate

Concen: 43.696 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampled :

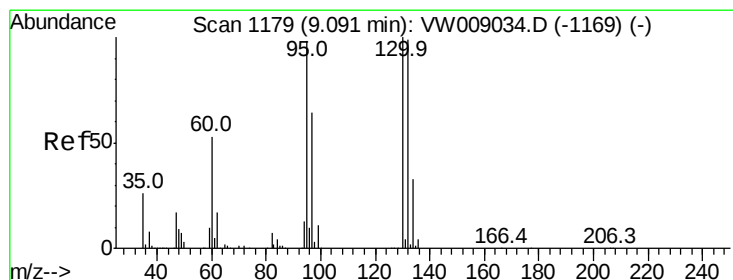
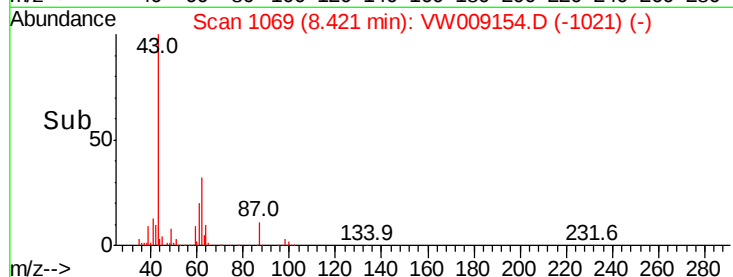
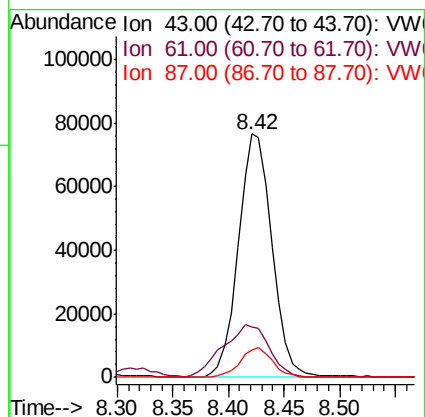
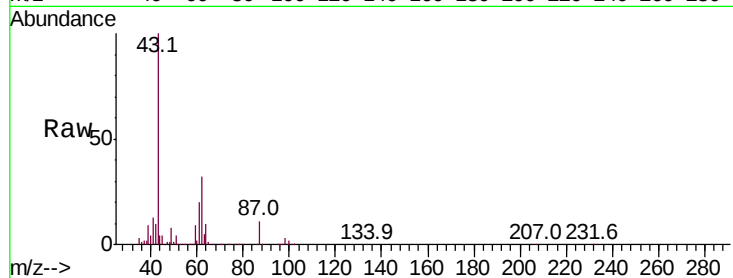
Tot Ion: 43 Resp: 159919

Ion Ratio Lower Upper

43 100

61 29.8 22.8 34.2

87 11.7 9.4 14.2



#44

Trichloroethene

Concen: 50.166 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009154.D

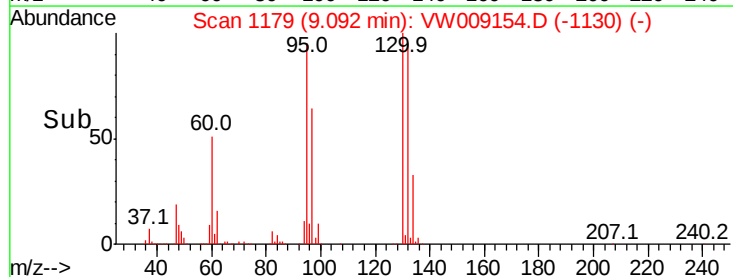
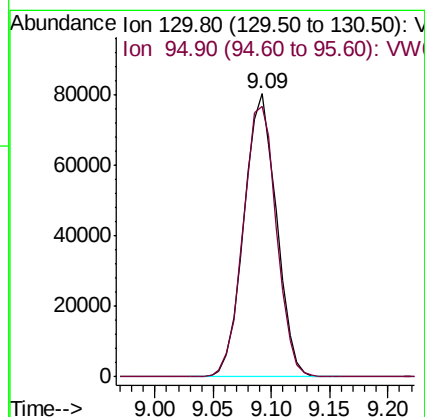
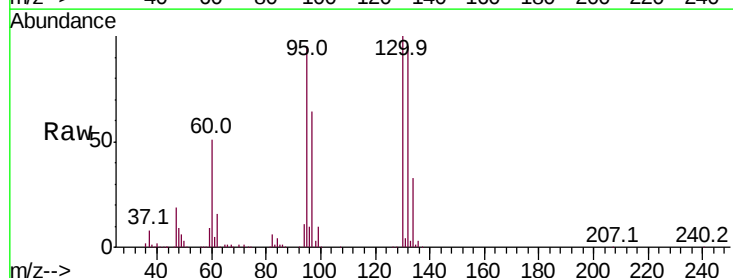
Acq: 13 Mar 2019 14:18

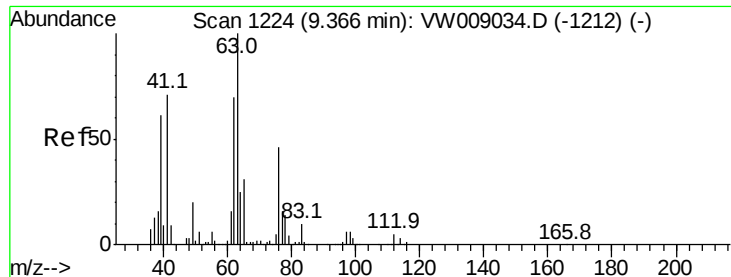
Tgt Ion:130 Resp: 157020

Ion Ratio Lower Upper

130 100

95 95.4 0.0 197.0





#45

1,2-Dichloropropane

Concen: 50.236 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

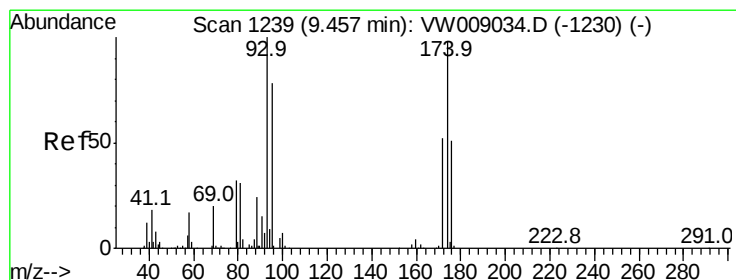
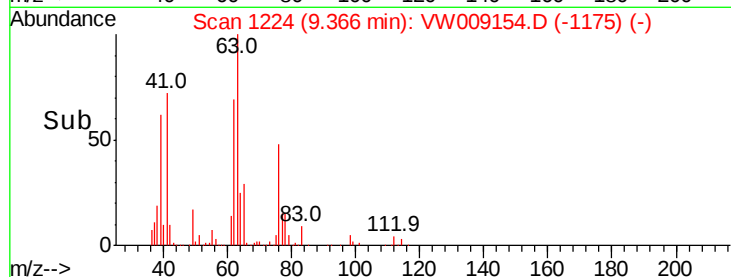
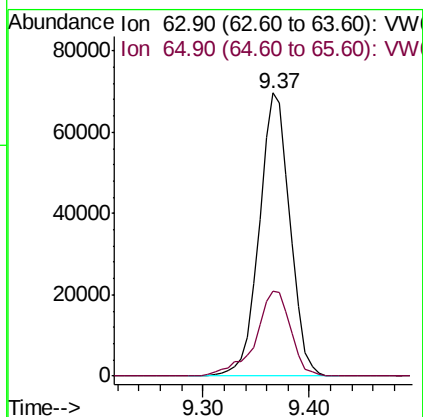
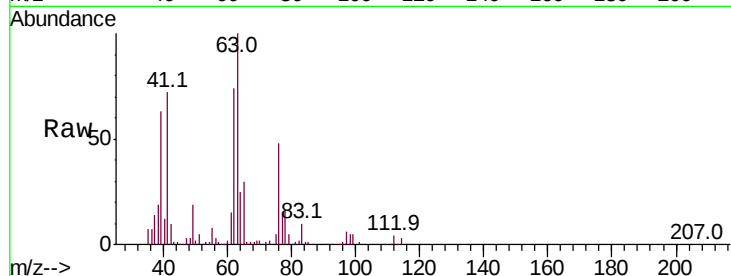
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 140507

Ion Ratio Lower Upper

63 100

65 30.0 24.9 37.3



#46

Dibromomethane

Concen: 45.854 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

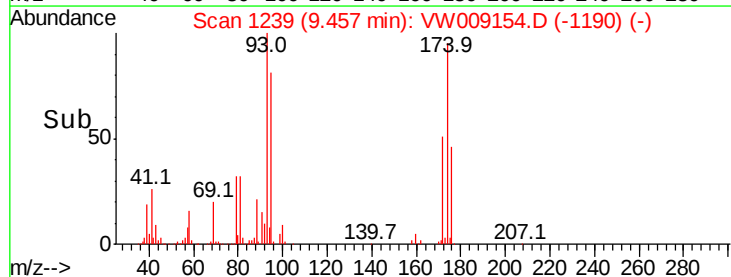
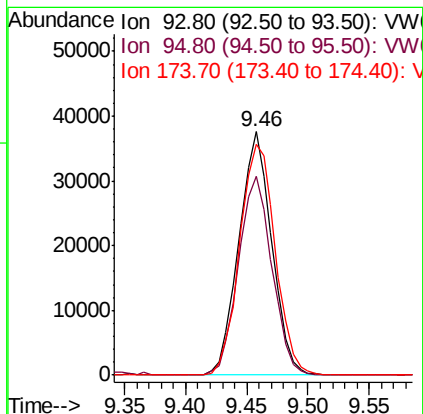
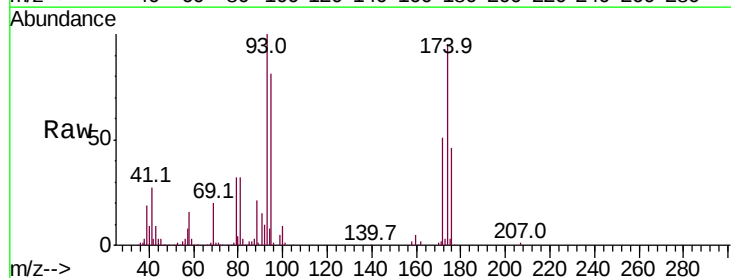
Tgt Ion: 93 Resp: 70044

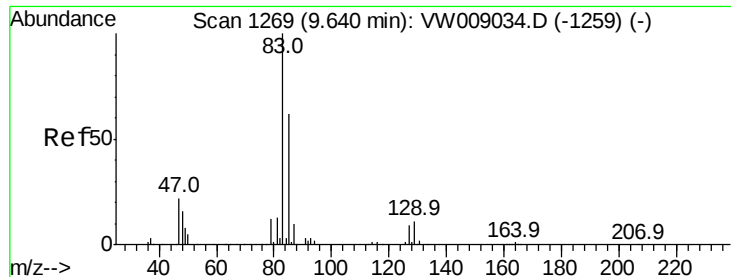
Ion Ratio Lower Upper

93 100

95 83.3 65.0 97.6

174 102.5 81.8 122.6

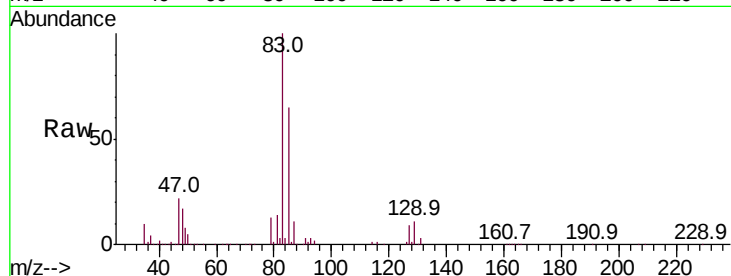




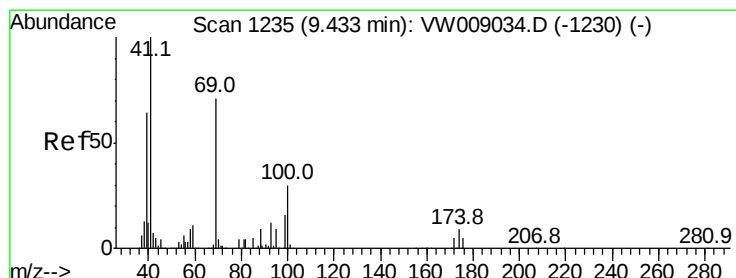
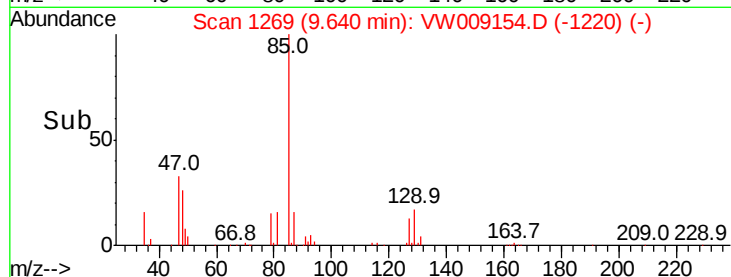
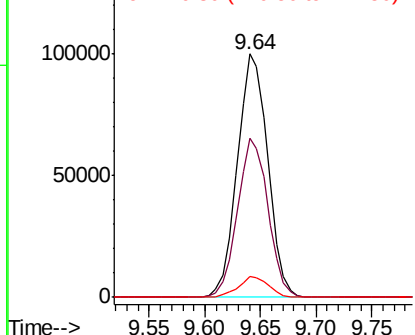
#47
Bromodichloromethane
Concen: 48.994 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 189449
Ion Ratio Lower Upper
83 100
85 65.2 49.9 74.9
127 8.6 7.1 10.7

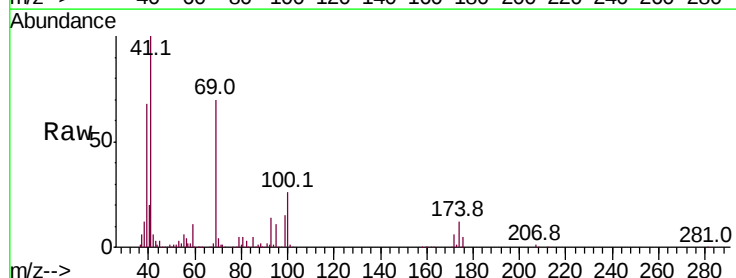


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

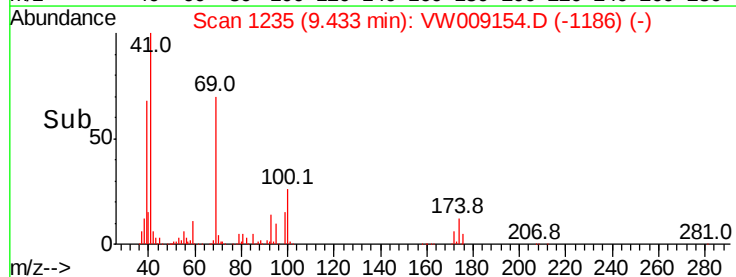
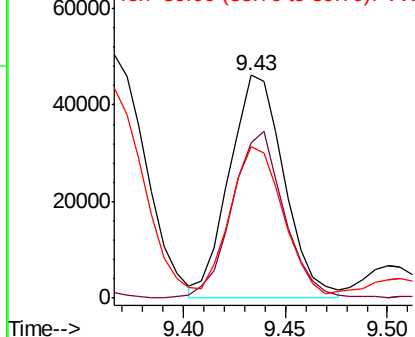


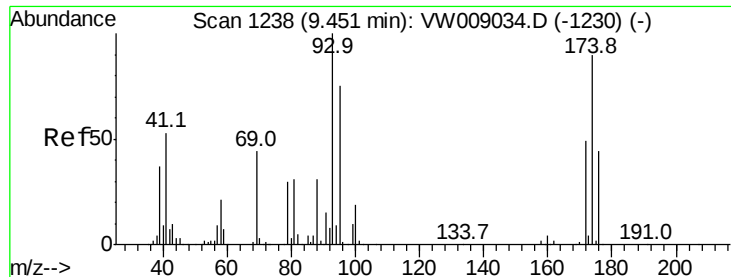
#48
Methyl methacrylate
Concen: 50.270 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 41 Resp: 85666
Ion Ratio Lower Upper
41 100
69 70.9 59.1 88.7
39 61.4 48.9 73.3



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: 889.643 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

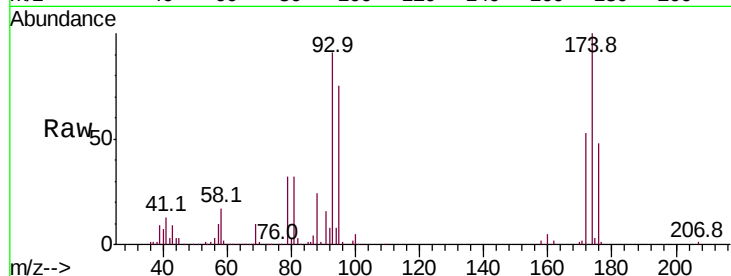
Tot Ion: 88 Resp: 19460

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

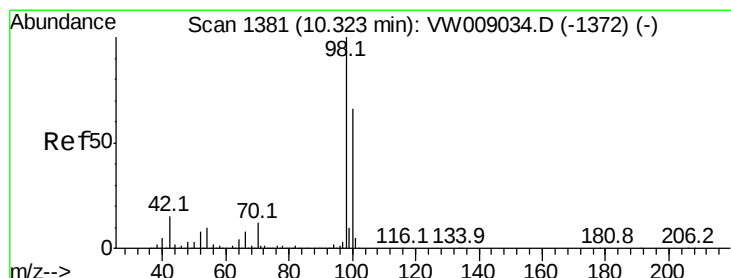
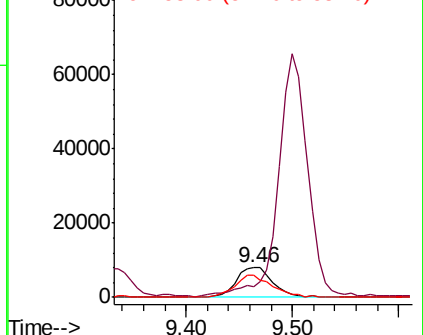
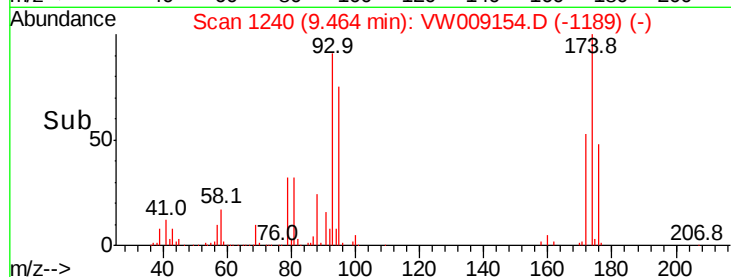
58 76.1 59.2 88.8



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: 57.911 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009154.D

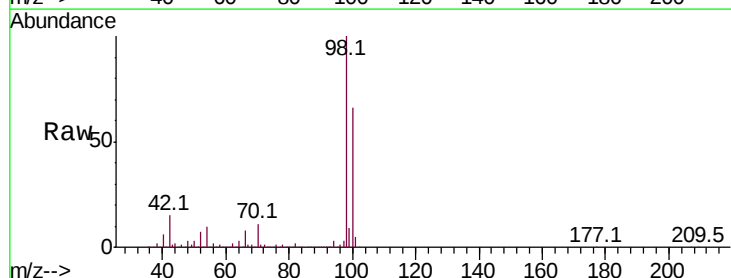
Acq: 13 Mar 2019 14:18

Tgt Ion: 98 Resp: 572959

Ion Ratio Lower Upper

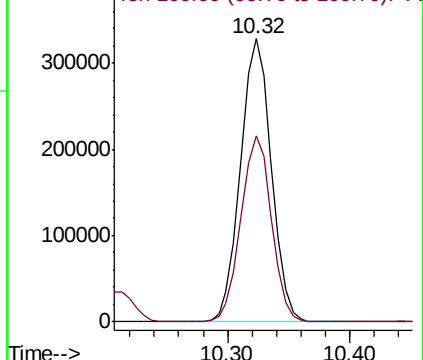
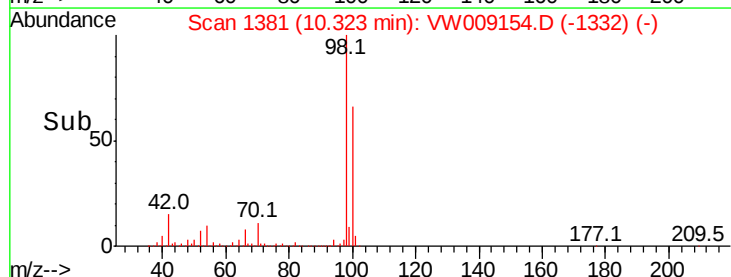
98 100

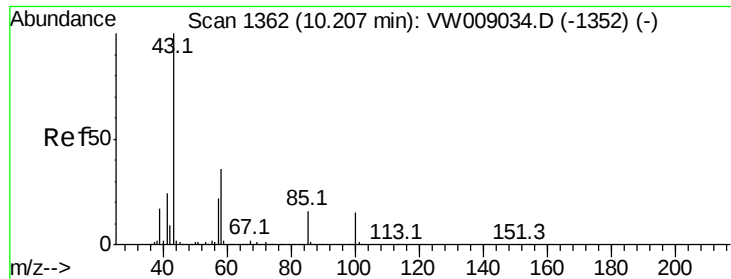
100 65.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

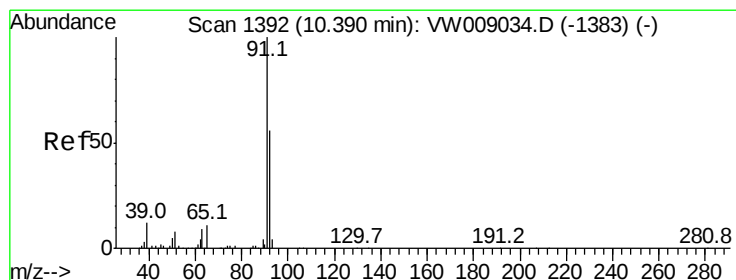
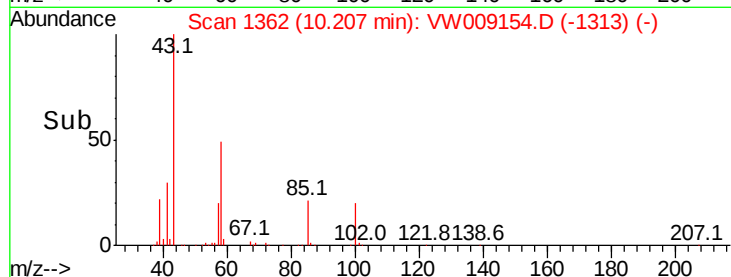
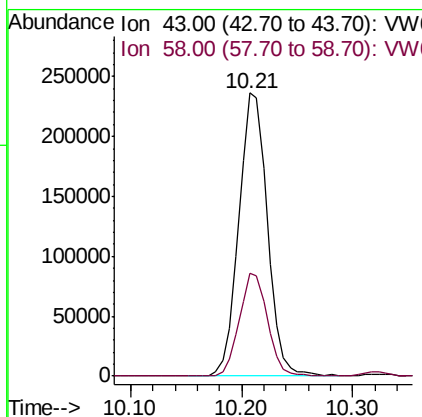
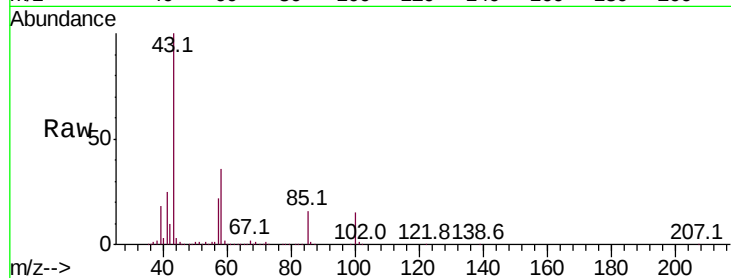




#51
 4-Methyl-2-Pentanone
 Concen: 225.563 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

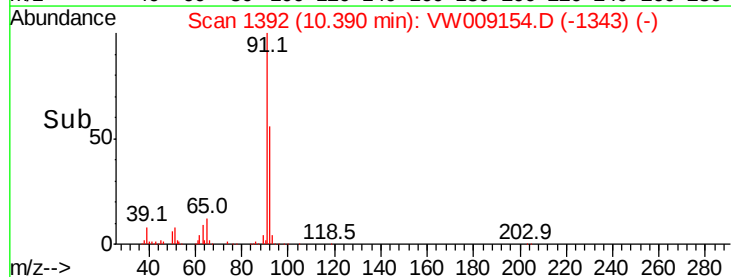
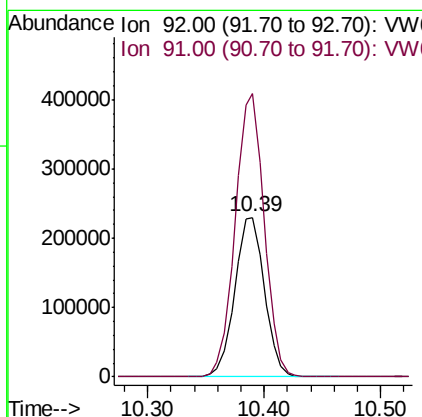
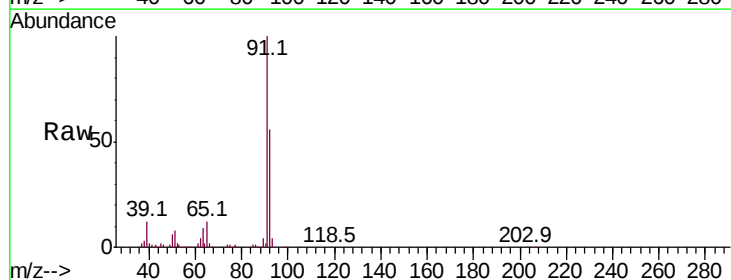
Instrument :
 MSVOA_W
 ClientSampled :

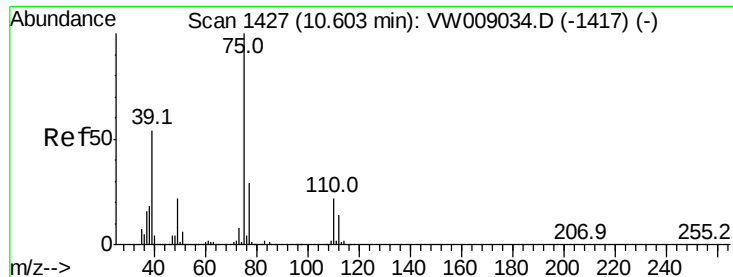
Tot Ion: 43 Resp: 419085
 Ion Ratio Lower Upper
 43 100
 58 36.0 28.8 43.2



#52
 Toluene
 Concen: 53.937 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Tgt Ion: 92 Resp: 408503
 Ion Ratio Lower Upper
 92 100
 91 173.8 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 50.375 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

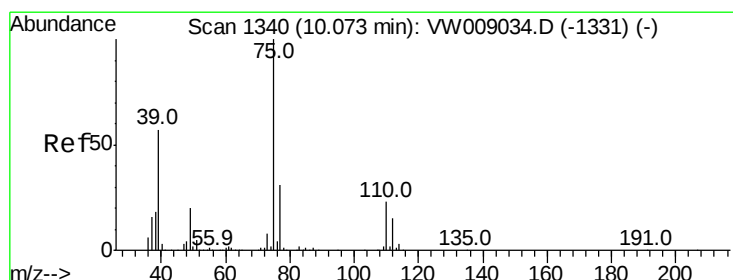
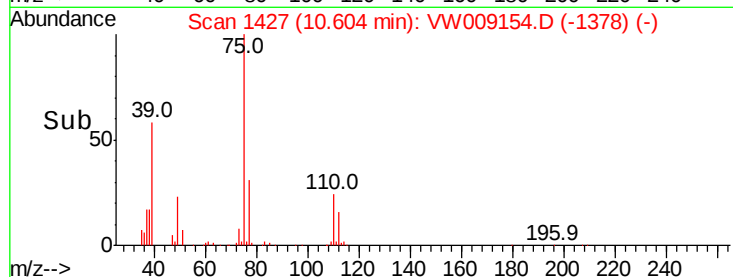
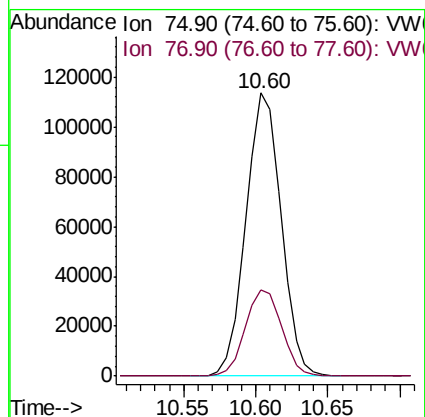
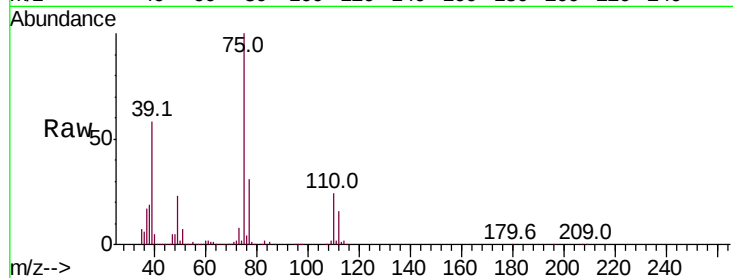
ClientSampled :

Tot Ion: 75 Resp: 192652

Ion Ratio Lower Upper

75 100

77 30.5 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 50.433 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

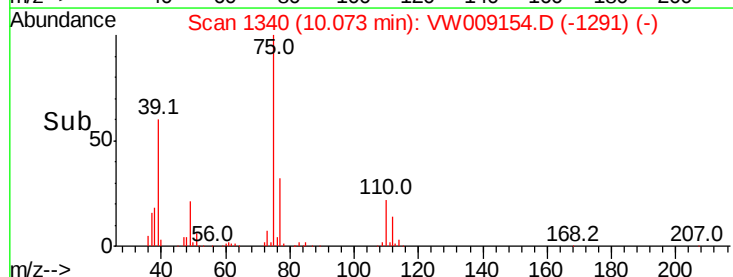
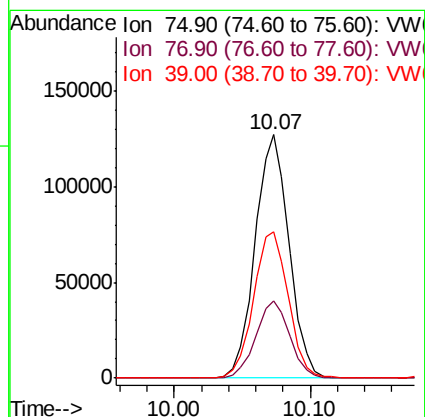
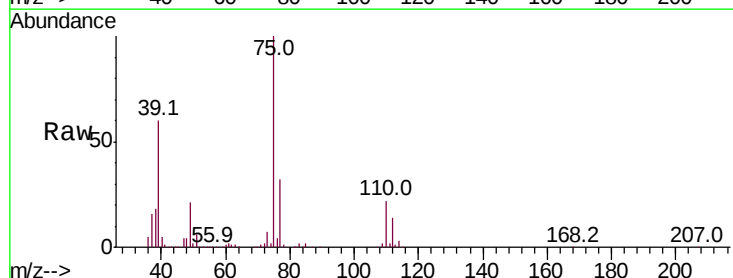
Tgt Ion: 75 Resp: 221643

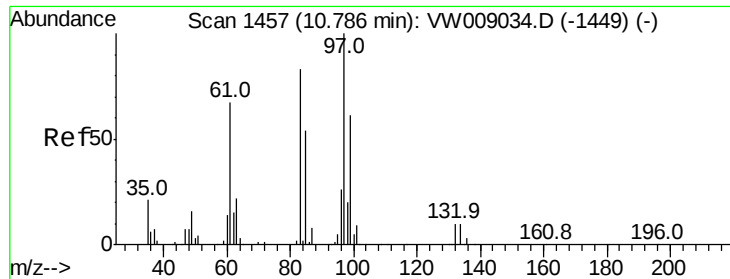
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 60.1 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 47.278 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 97883

Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.2	99.2
85	55.4	43.6	65.4
99	65.7	49.0	73.4

Abundance

Ion 96.90 (96.60 to 97.60): VW

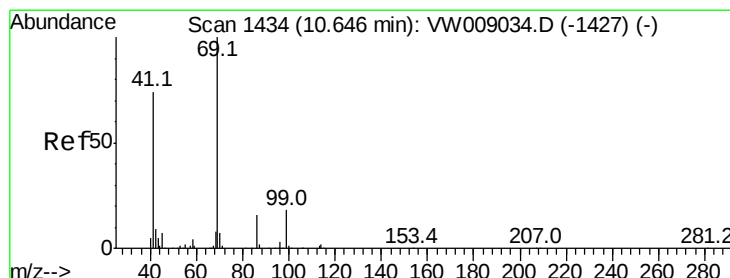
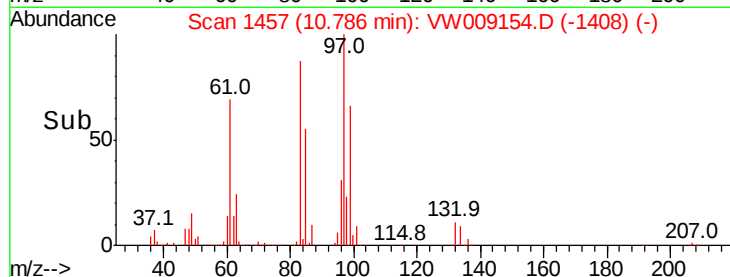
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 49.801 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion: 69 Resp: 127966

Ion	Ratio	Lower	Upper
69	100		
41	76.3	59.4	89.2
39	49.1	38.5	57.7

Abundance

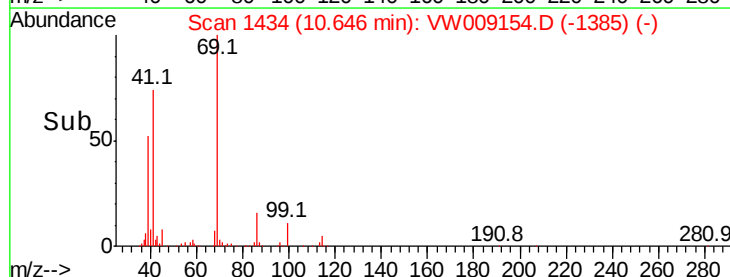
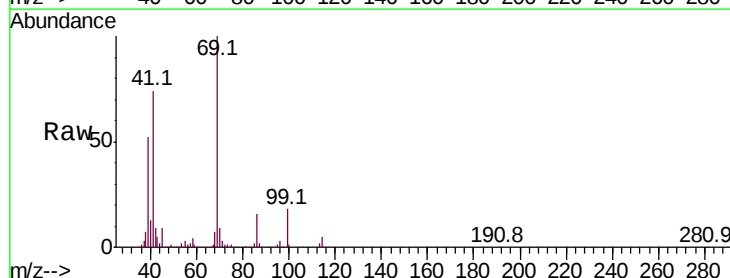
Ion 69.00 (68.70 to 69.70): VW

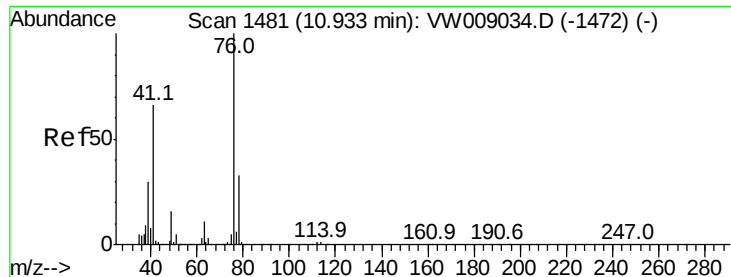
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

Time-->

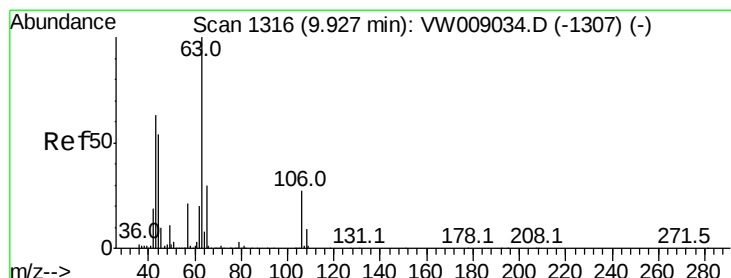
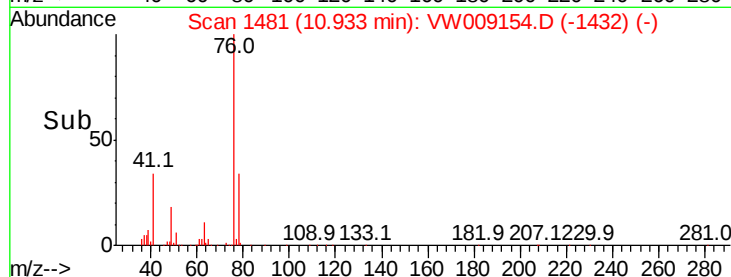
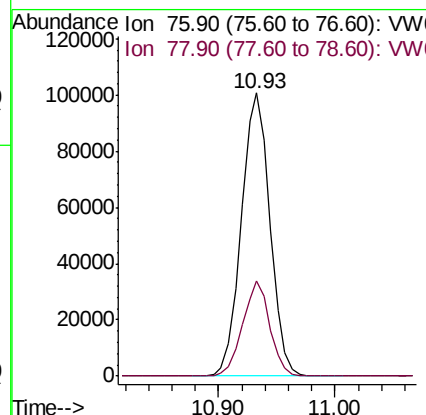
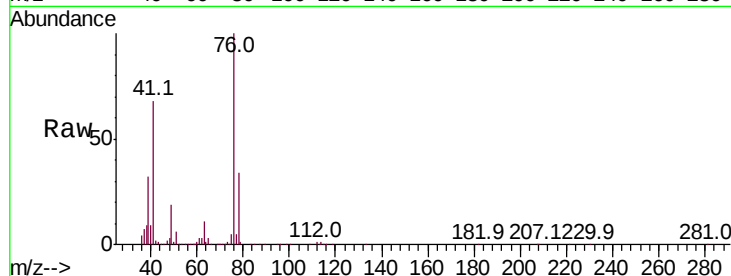




#57
 1,3-Dichloropropane
 Concen: 46.939 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

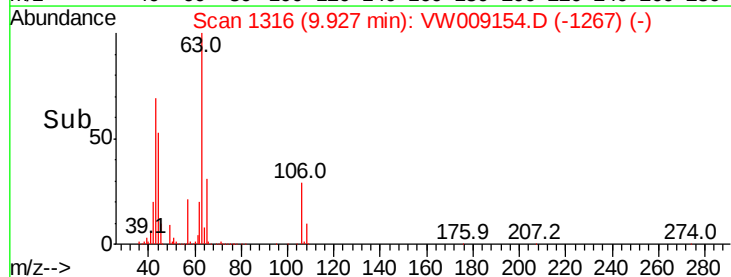
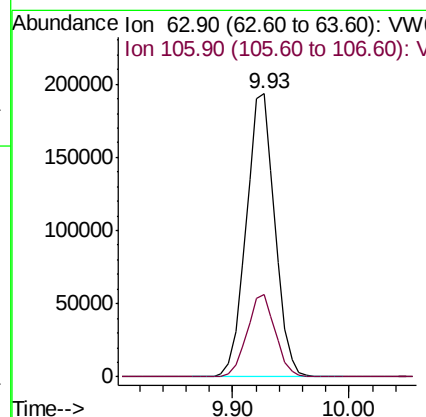
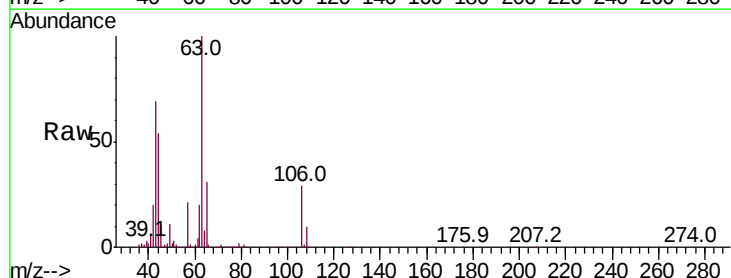
Instrument :
 MSVOA_W
 ClientSampled :

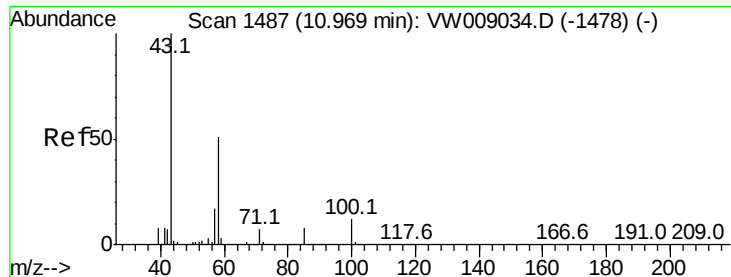
Tot Ion: 76 Resp: 172159
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.106 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Tgt Ion: 63 Resp: 331825
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.0 34.6

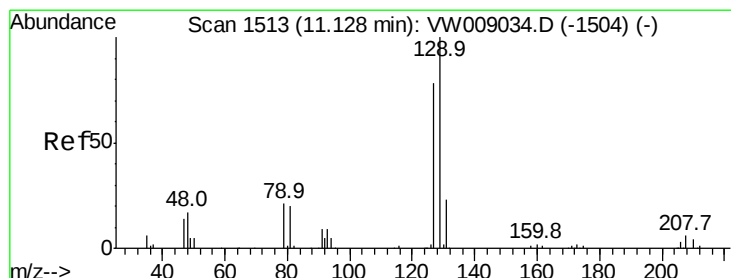
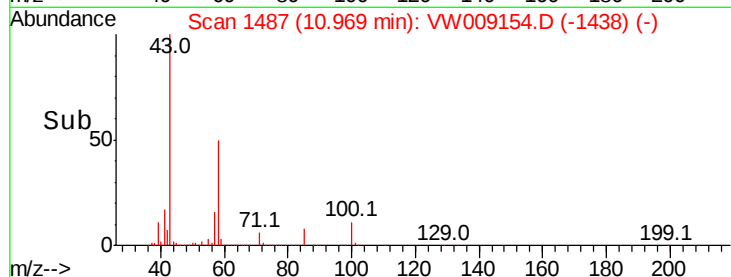
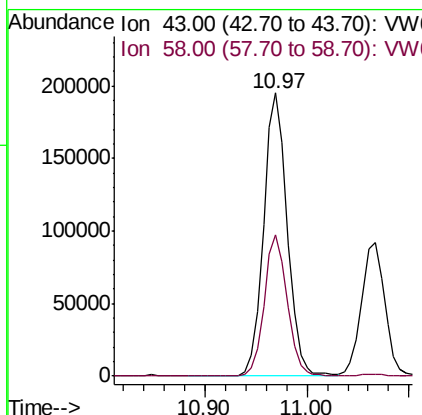
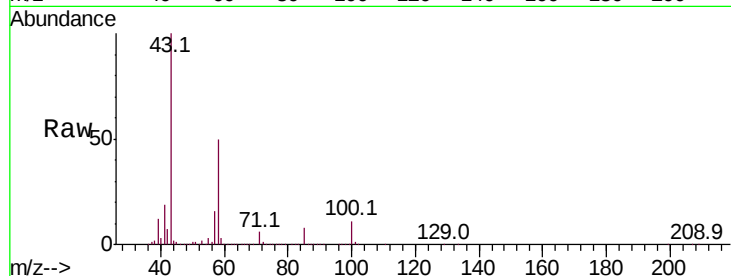




#59
2-Hexanone
Concen: 240.364 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

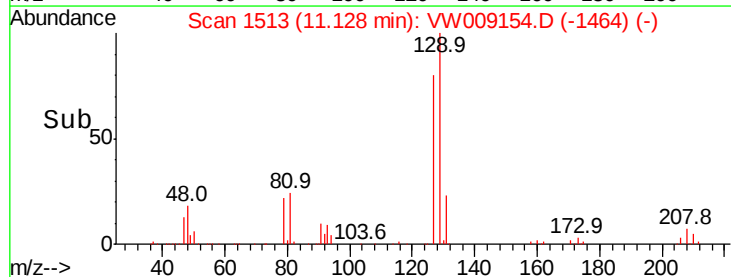
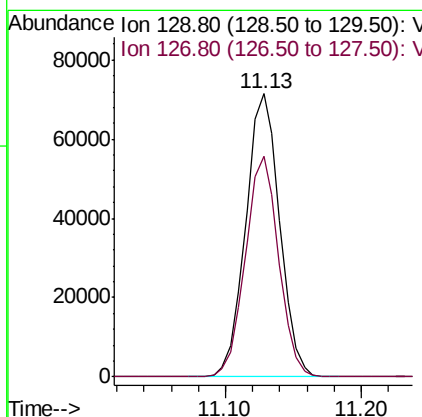
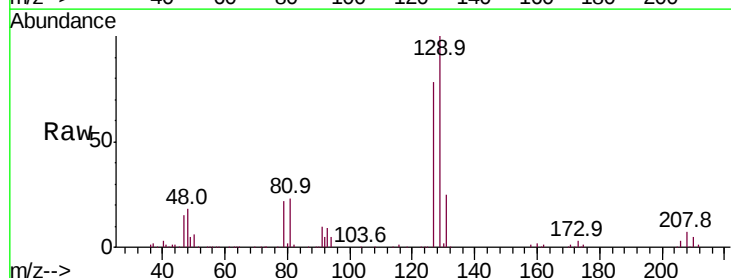
Instrument :
MSVOA_W
ClientSampled :

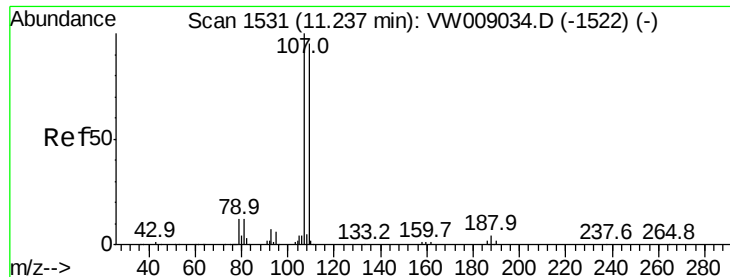
Tot Ion: 43 Resp: 313987
Ion Ratio Lower Upper
43 100
58 48.6 25.3 75.9



#60
Dibromochloromethane
Concen: 48.709 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 129 Resp: 124802
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 46.286 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

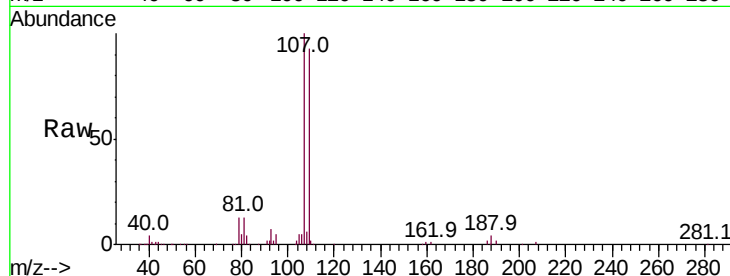
ClientSampleId :

Tot Ion:107 Resp: 93944

Ion Ratio Lower Upper

107 100

109 94.6 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

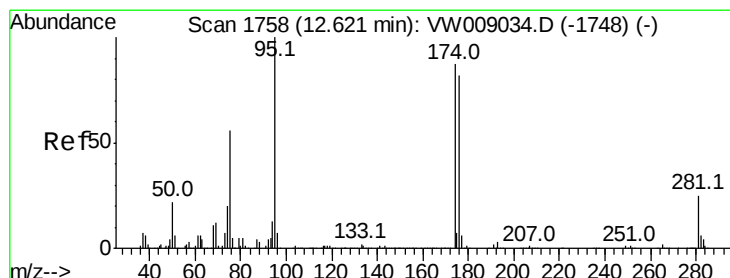
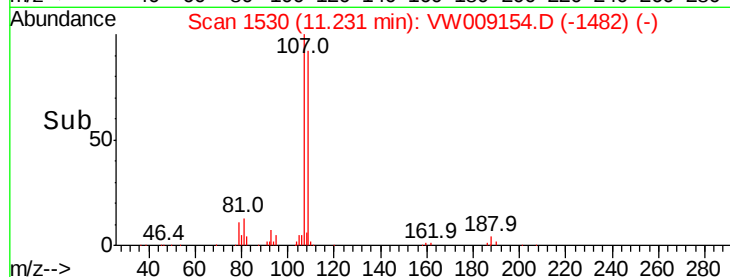
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.557 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

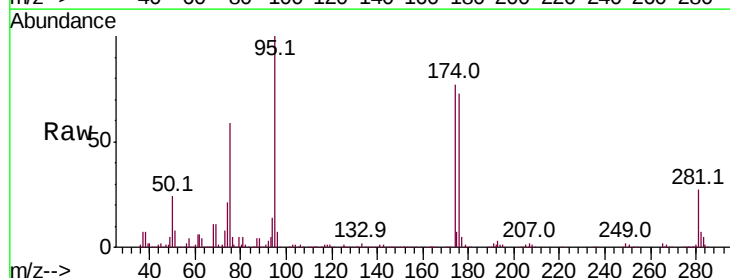
Tgt Ion: 95 Resp: 216383

Ion Ratio Lower Upper

95 100

174 82.5 0.0 167.0

176 80.1 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

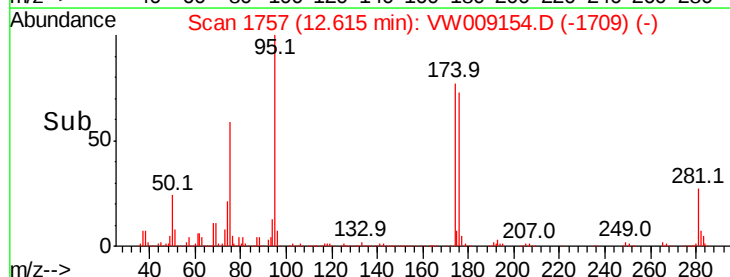
150000

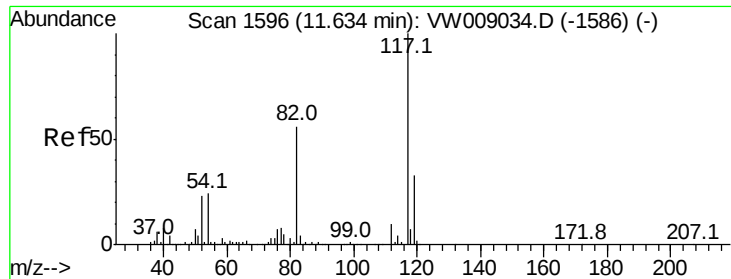
100000

50000

0

Time-->

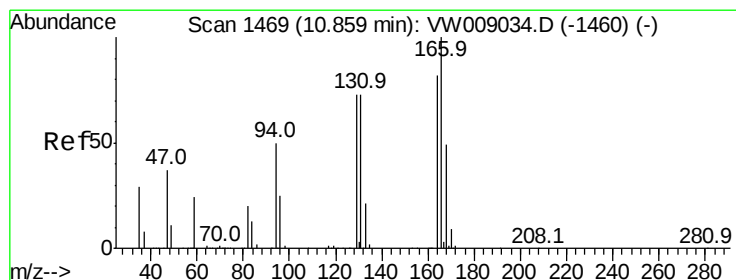
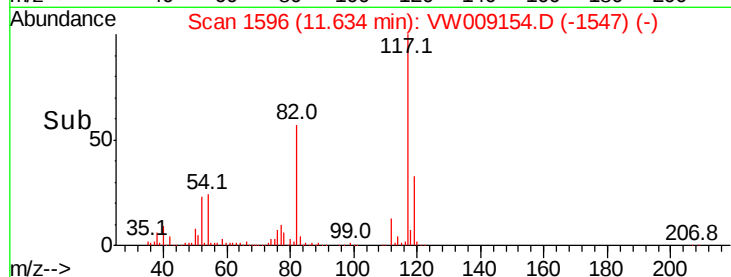
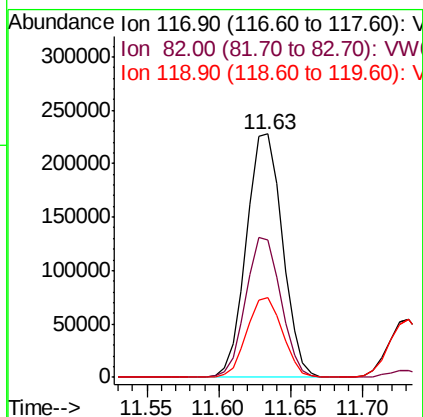
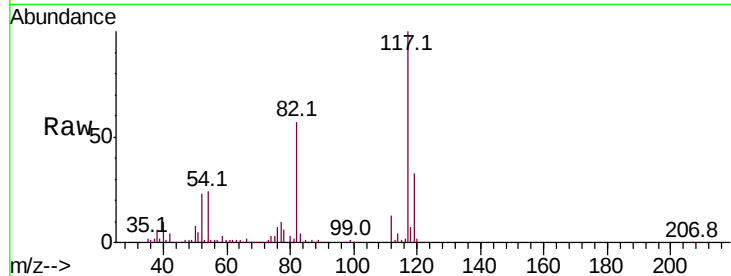




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

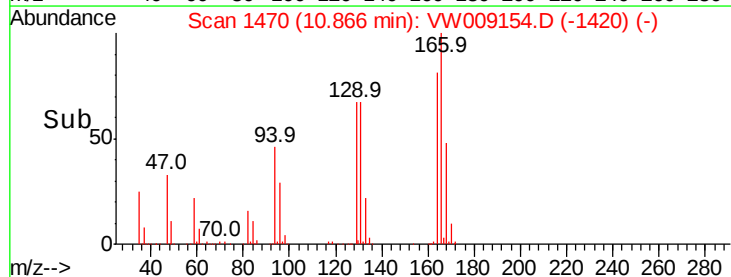
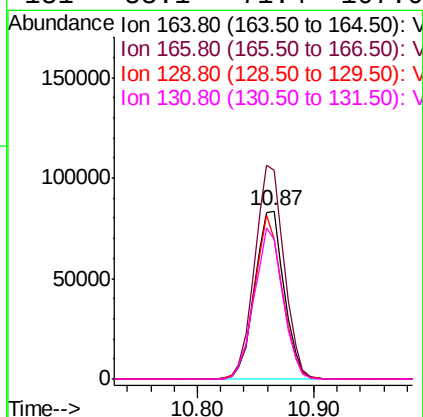
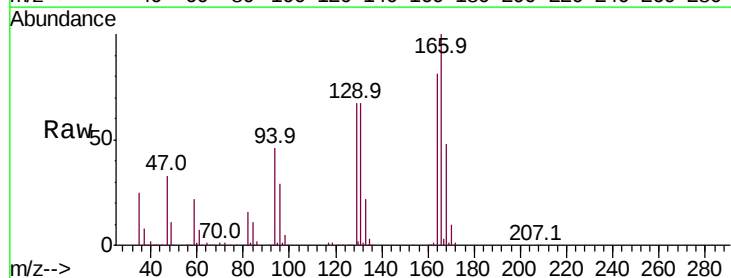
Instrument :
MSVOA_W
ClientSampleId :

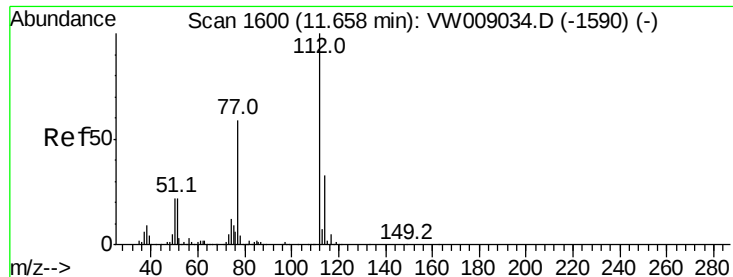
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.0	67.6
119	33.0	26.6	39.8



#64
Tetrachloroethene
Concen: 51.146 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	97.8	146.6
129	82.7	71.6	107.4
131	83.1	71.4	107.0

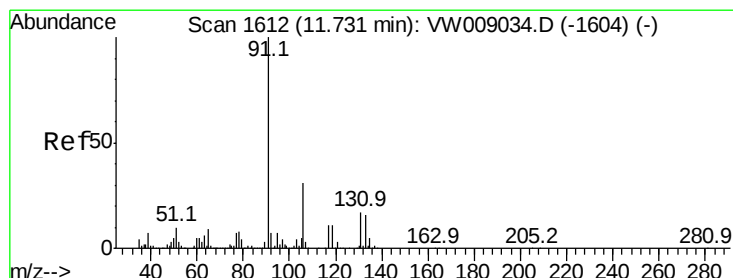
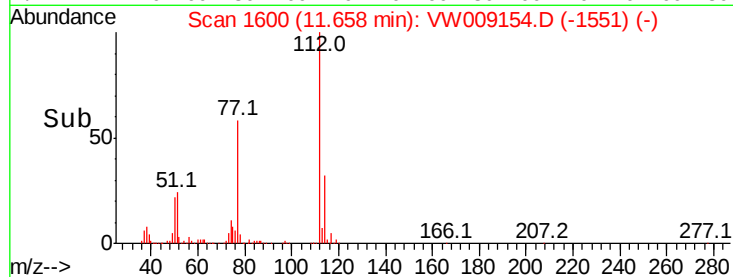
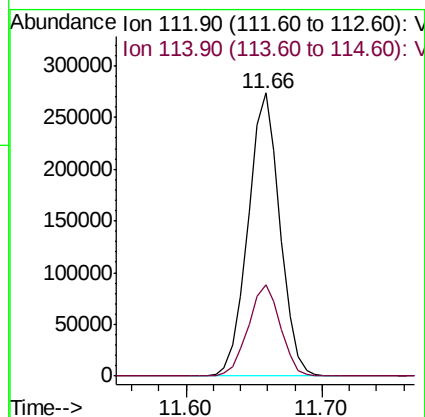
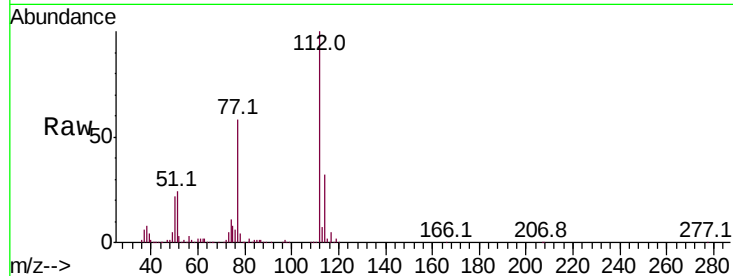




#65
Chlorobenzene
Concen: 52.027 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

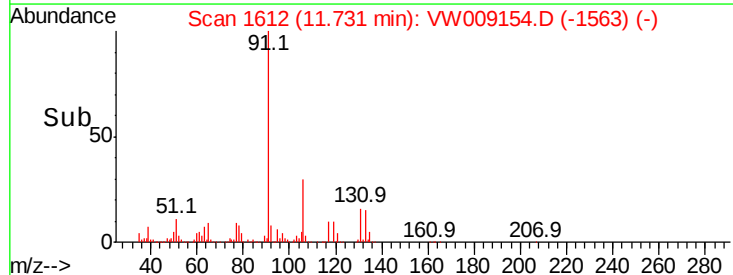
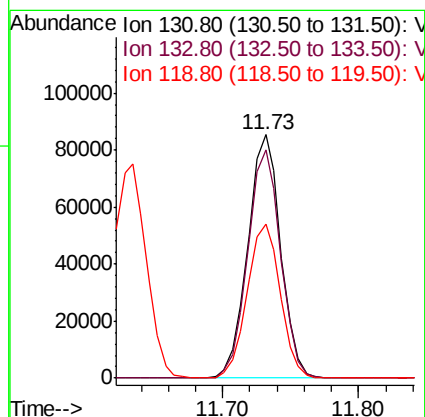
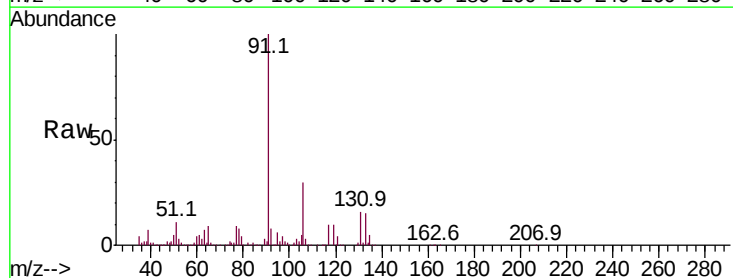
Instrument :
MSVOA_W
ClientSampleId :

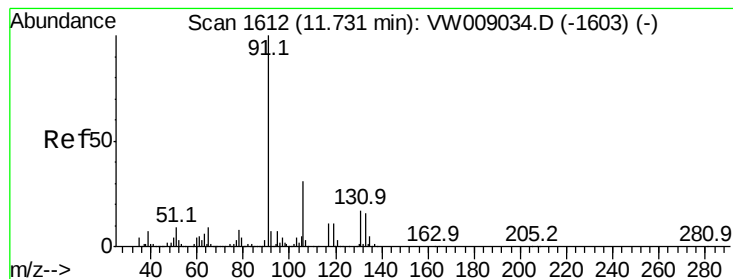
Tot Ion:112 Resp: 447520
Ion Ratio Lower Upper
112 100
114 32.4 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.311 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion:131 Resp: 144498
Ion Ratio Lower Upper
131 100
133 93.7 47.6 142.8
119 63.8 31.3 93.8





#67

Ethyl Benzene

Concen: 54.240 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

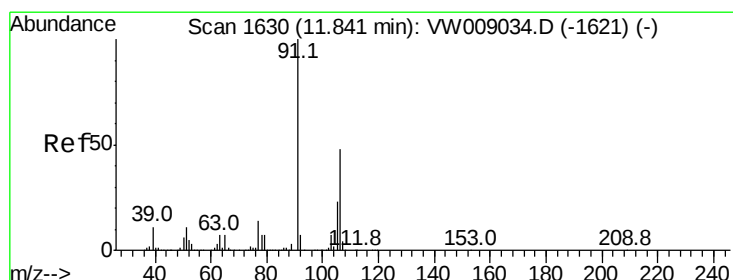
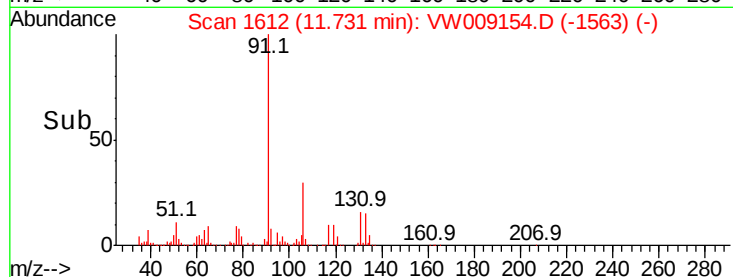
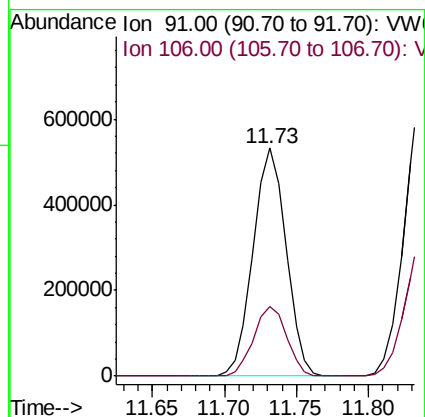
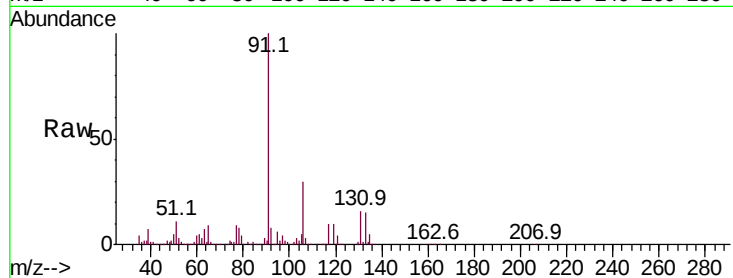
ClientSampled :

Tot Ion: 91 Resp: 842857

Ion Ratio Lower Upper

91 100

106 30.3 25.0 37.4



#68

m/p-Xylenes

Concen: 106.164 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009154.D

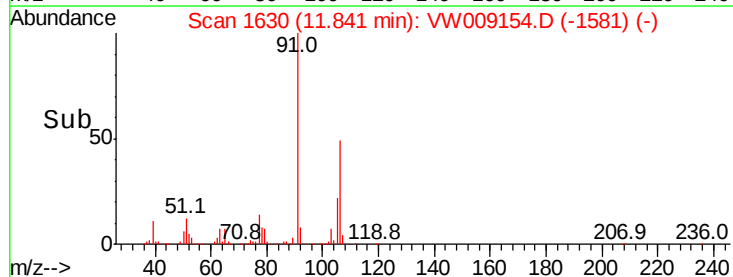
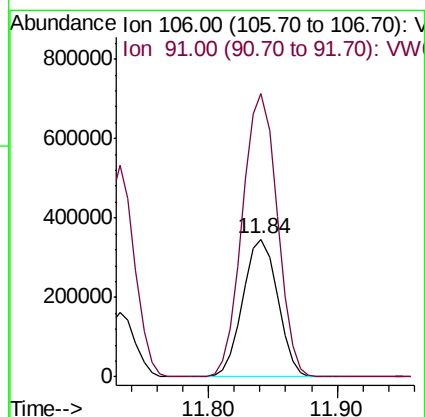
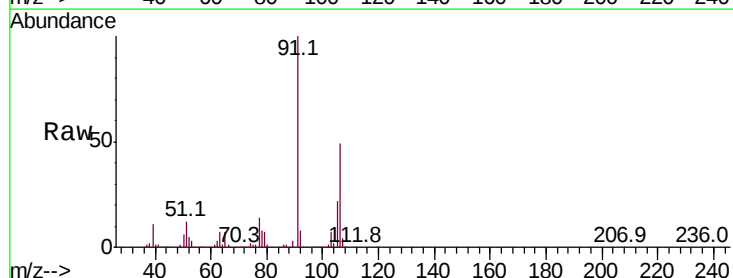
Acq: 13 Mar 2019 14:18

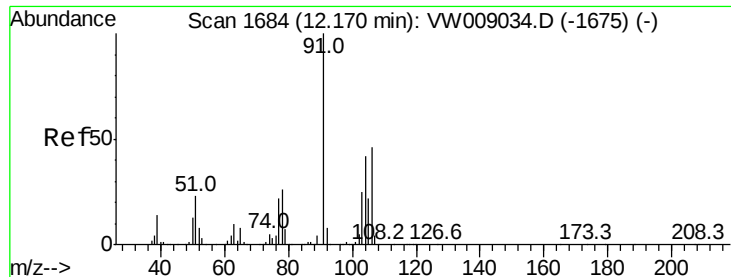
Tgt Ion:106 Resp: 651171

Ion Ratio Lower Upper

106 100

91 205.1 163.2 244.8

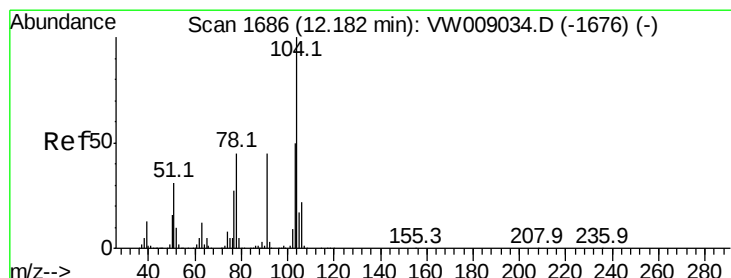
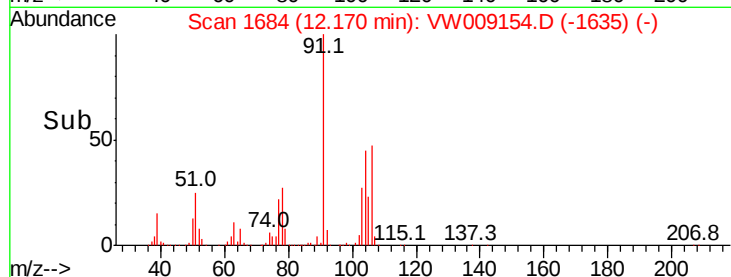
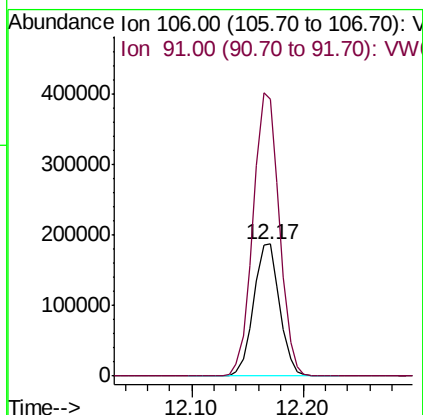
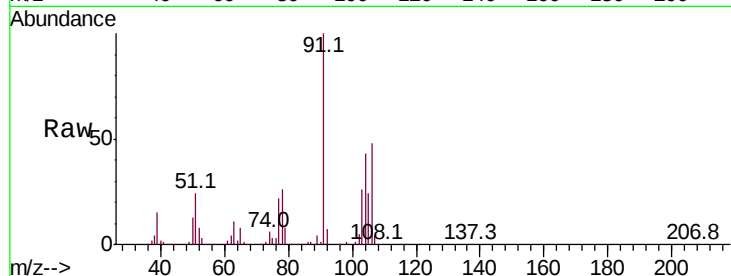




#69
o-Xylene
Concen: 53.637 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

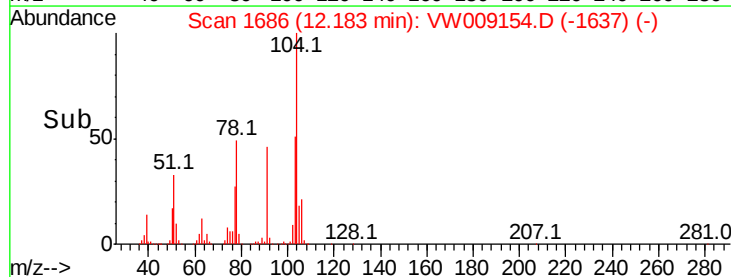
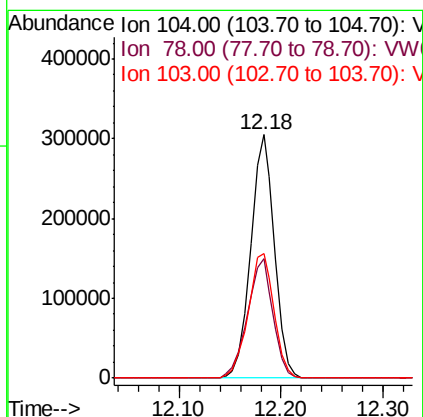
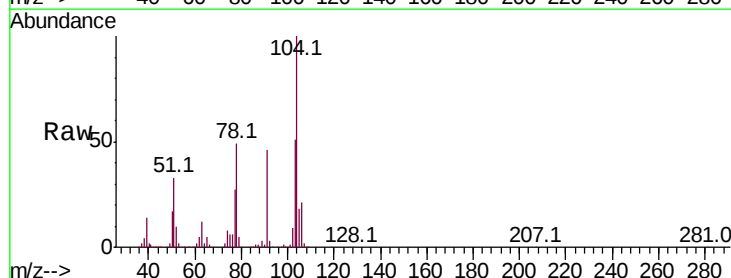
Instrument :
MSVOA_W
ClientSampled :

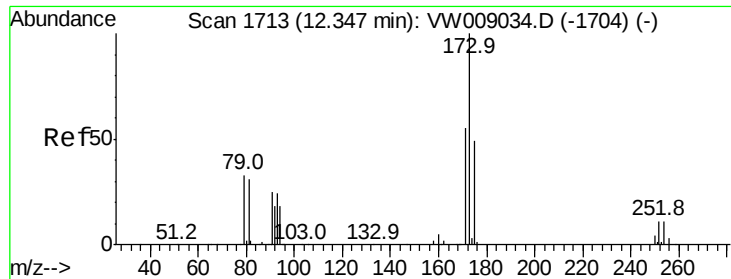
Tot Ion:106 Resp: 306108
Ion Ratio Lower Upper
106 100
91 216.0 108.6 325.6



#70
Styrene
Concen: 53.543 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion:104 Resp: 494404
Ion Ratio Lower Upper
104 100
78 52.7 42.1 63.1
103 56.0 43.9 65.9





#71

Bromoform

Concen: 46.274 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

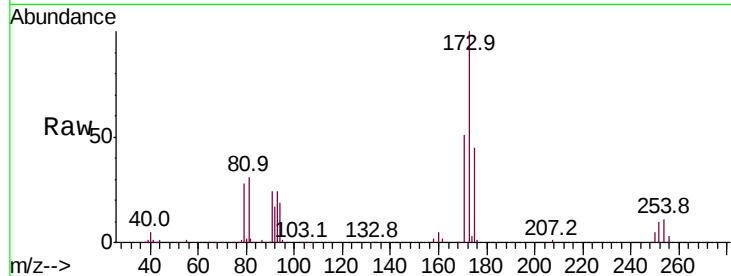
Tot Ion:173 Resp: 71360

Ion Ratio Lower Upper

173 100

175 49.0 24.6 74.0

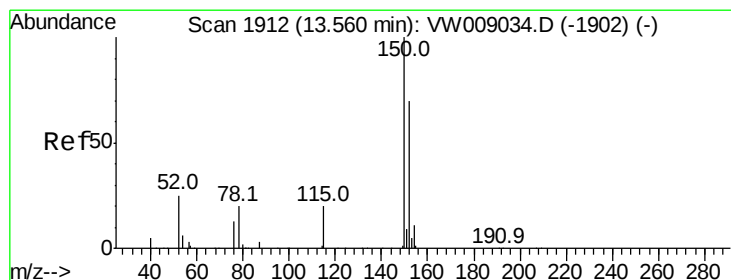
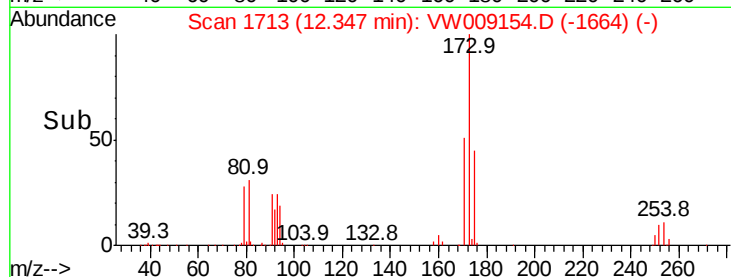
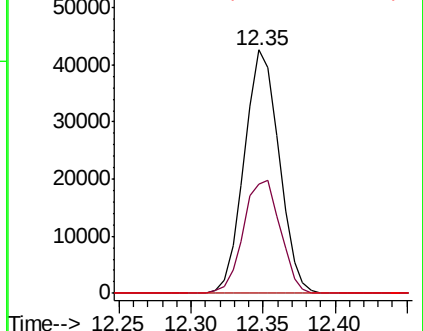
254 0.3 0.0 0.0#



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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

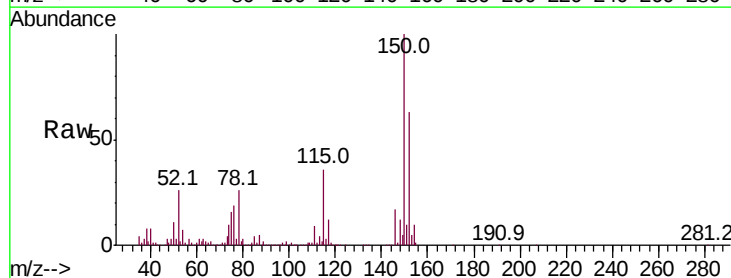
Tgt Ion:152 Resp: 222225

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

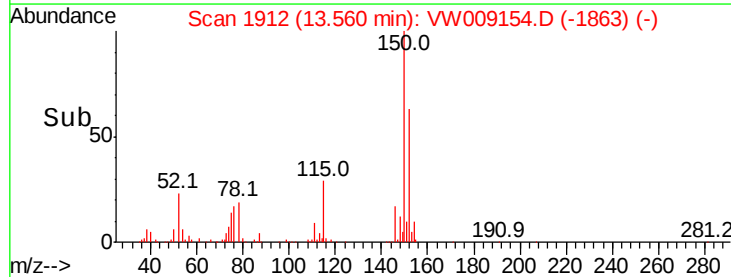
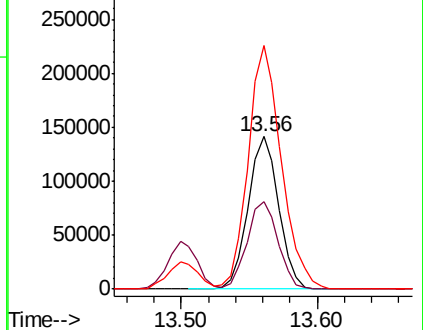
150 173.3 0.0 349.2

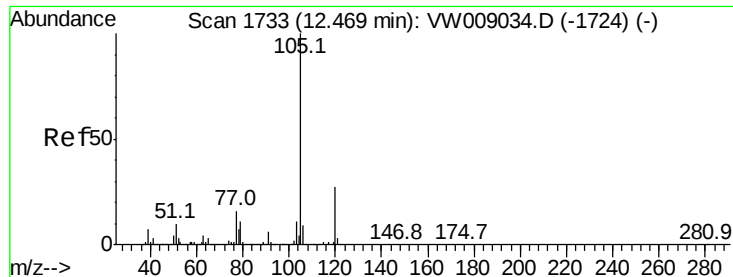


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.746 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

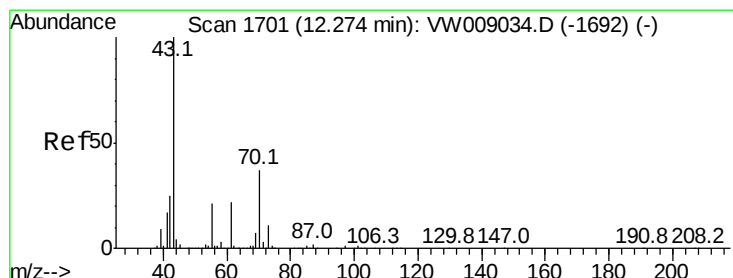
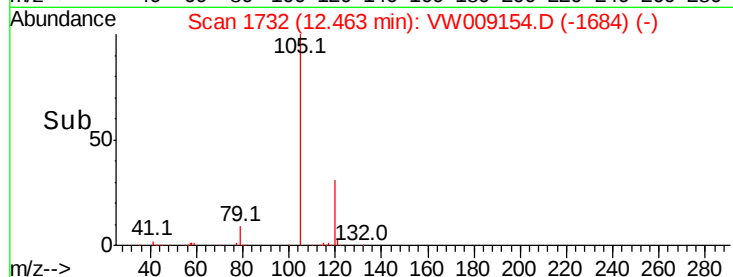
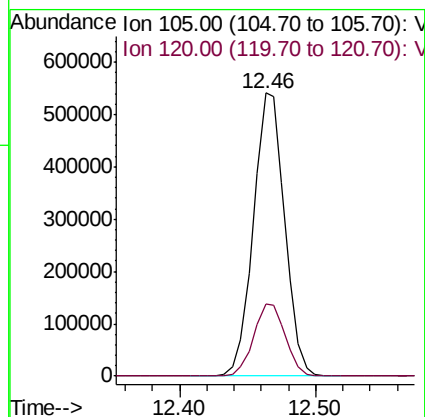
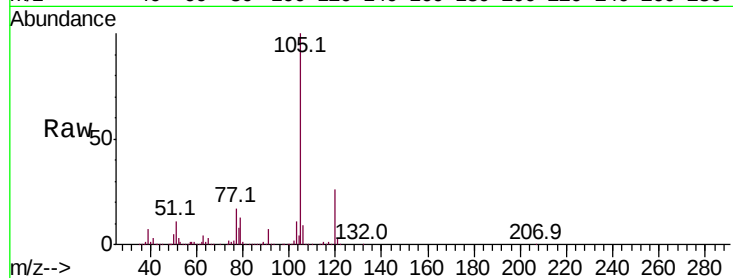
ClientSampled :

Tot Ion:105 Resp: 871222

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.6



#74

N-ethyl acetate

Concen: 49.008 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion: 43 Resp: 184627

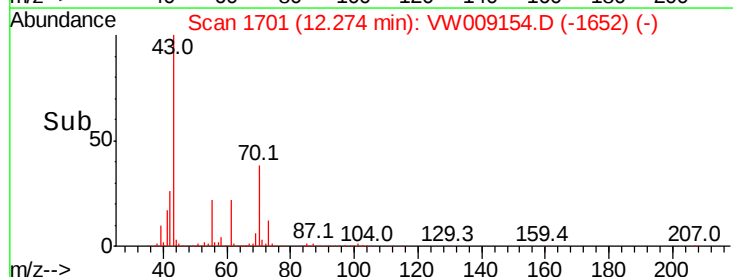
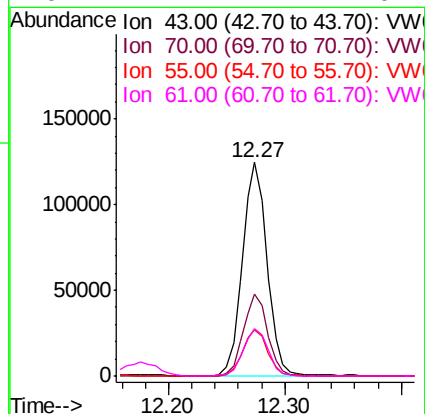
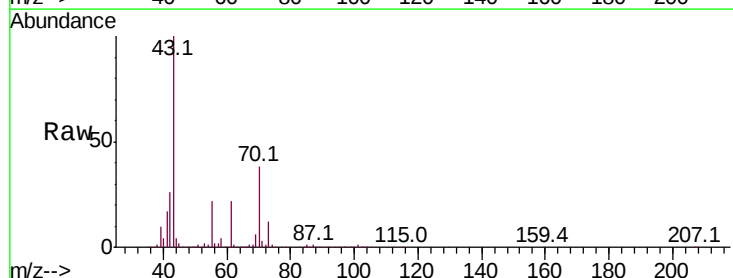
Ion Ratio Lower Upper

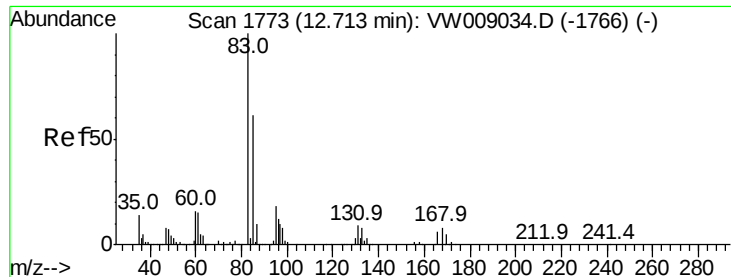
43 100

70 37.8 30.8 46.2

55 22.3 17.8 26.8

61 22.2 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.404 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

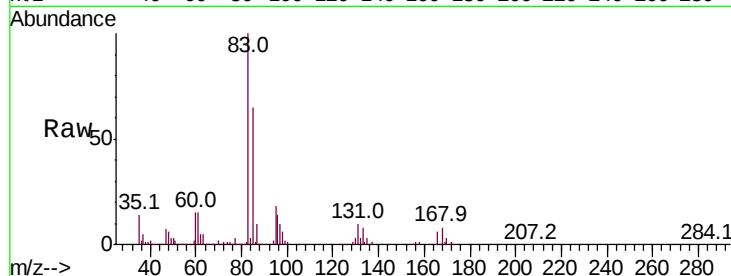
Tot Ion: 83 Resp: 113977

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

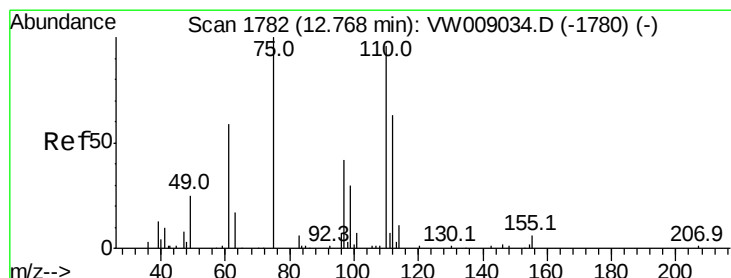
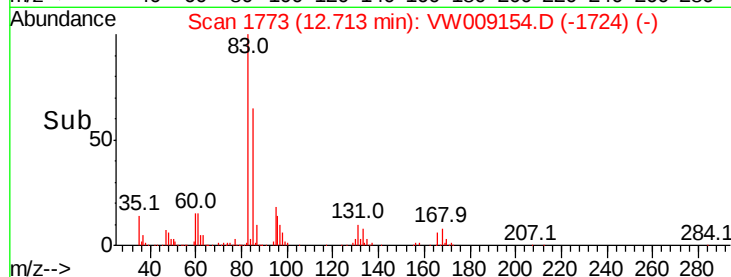
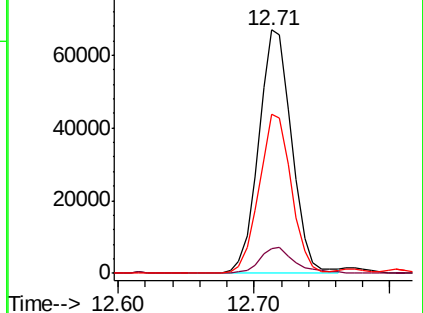
85 63.9 31.7 95.1



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: 93.086 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW009154.D

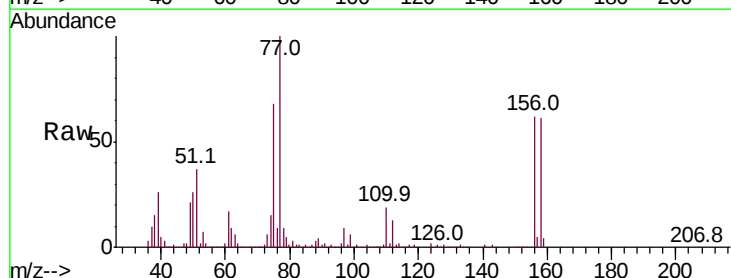
Acq: 13 Mar 2019 14:18

Tgt Ion: 75 Resp: 163437

Ion Ratio Lower Upper

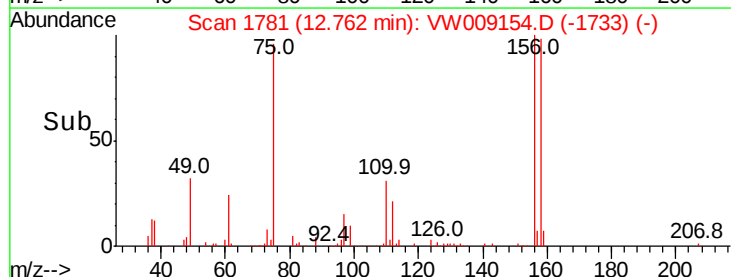
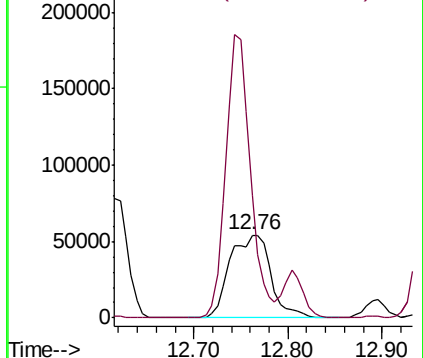
75 100

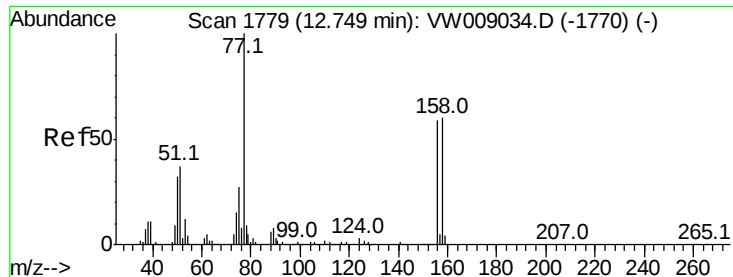
77 206.9 186.7 560.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.781 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

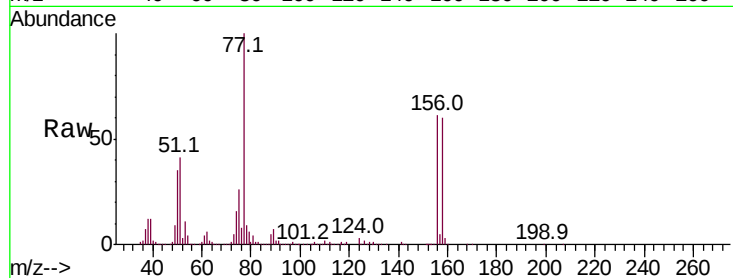
Tot Ion:156 Resp: 184644

Ion Ratio Lower Upper

156 100

77 183.1 93.0 279.2

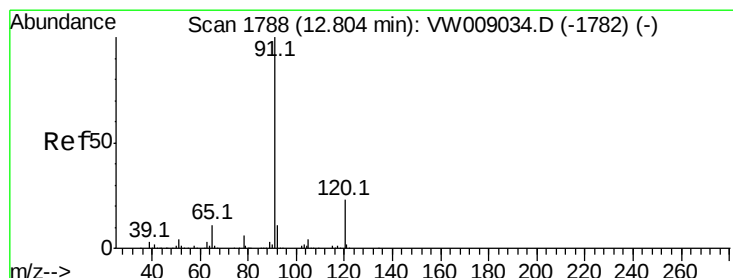
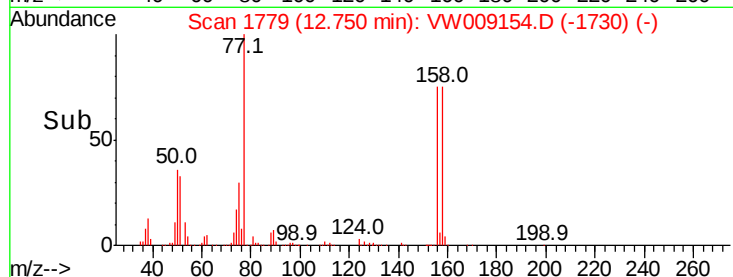
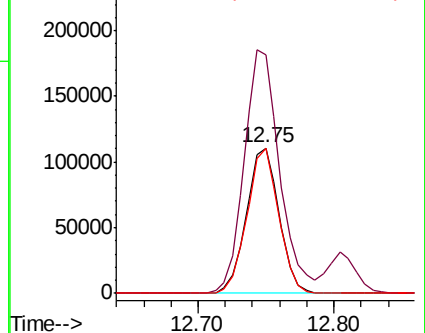
158 97.2 50.0 149.8



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: 54.534 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009154.D

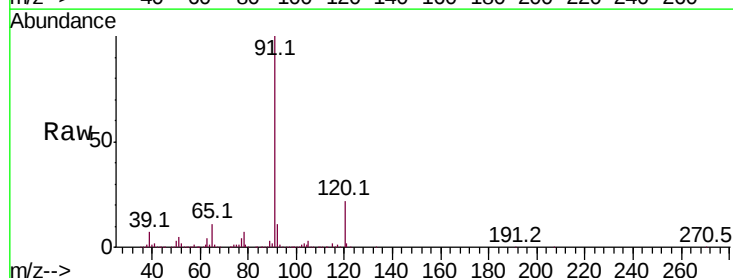
Acq: 13 Mar 2019 14:18

Tgt Ion: 91 Resp: 1068976

Ion Ratio Lower Upper

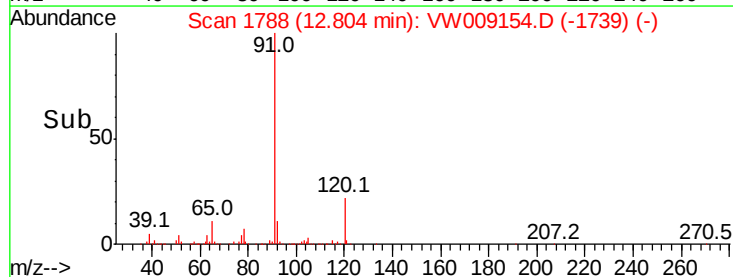
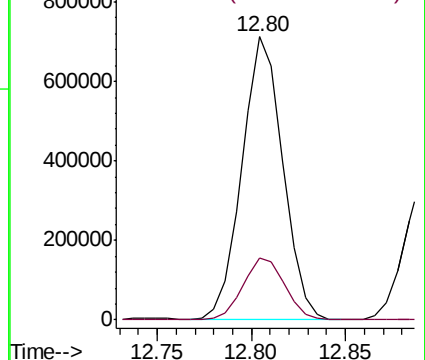
91 100

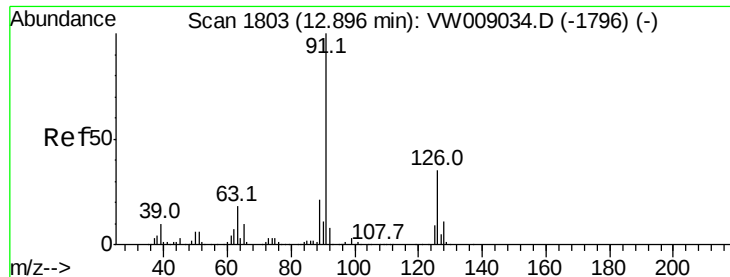
120 22.4 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.808 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

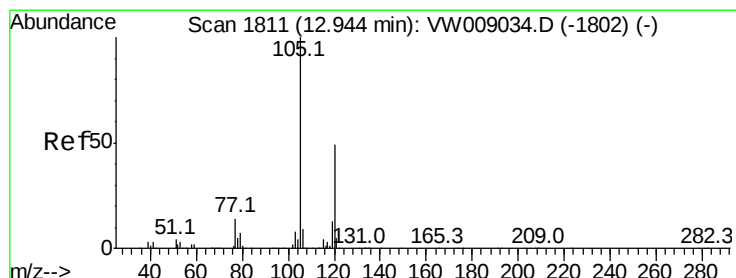
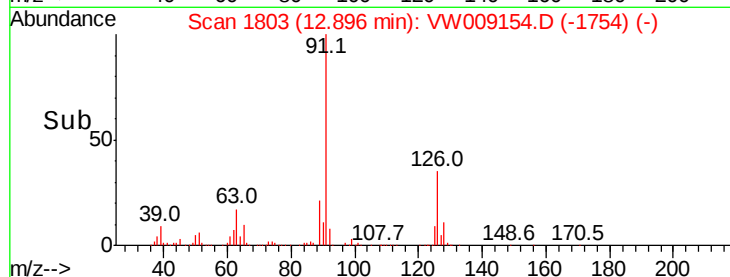
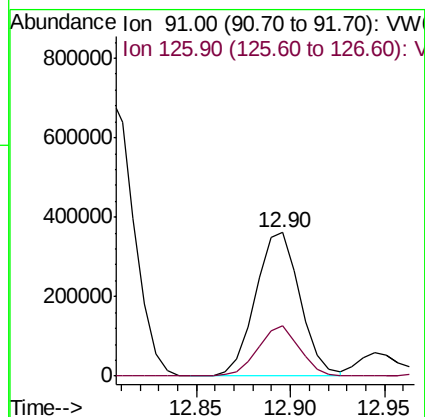
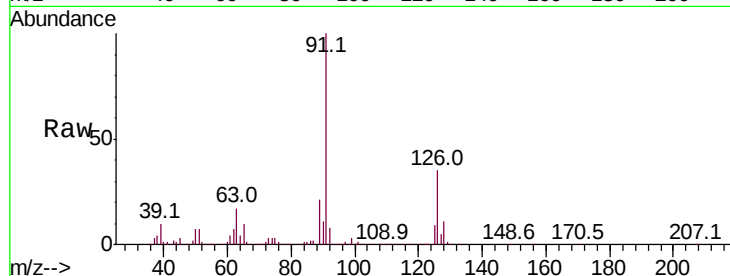
ClientSampleId :

Tot Ion: 91 Resp: 592592

Ion Ratio Lower Upper

91 100

126 33.0 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 53.476 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009154.D

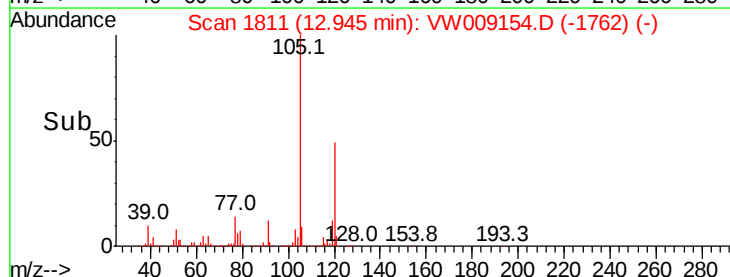
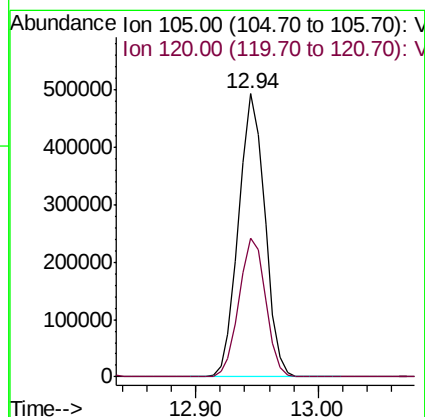
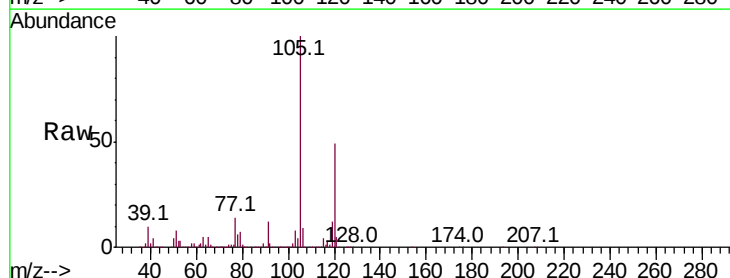
Acq: 13 Mar 2019 14:18

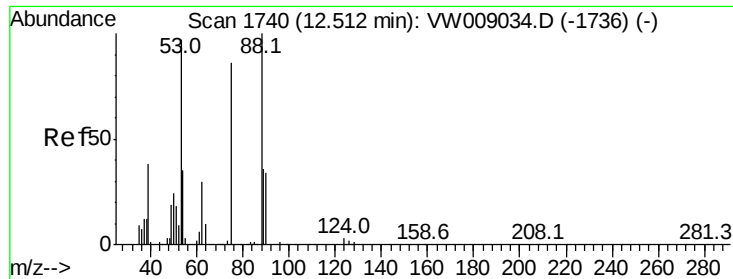
Tgt Ion:105 Resp: 733549

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.2

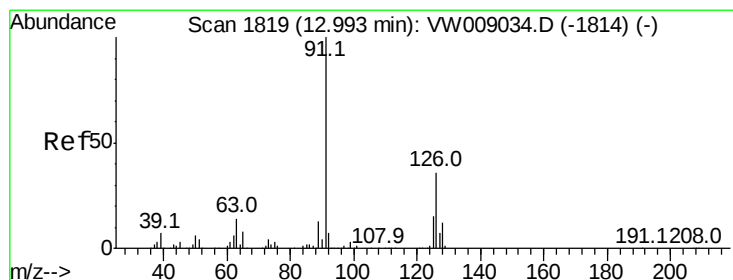
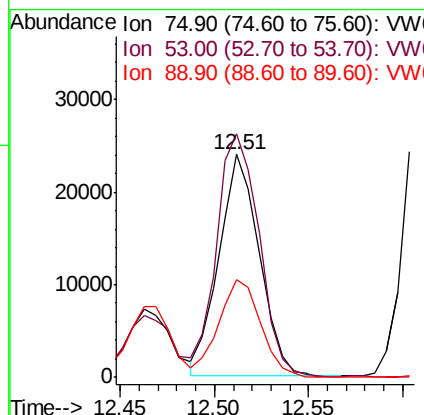
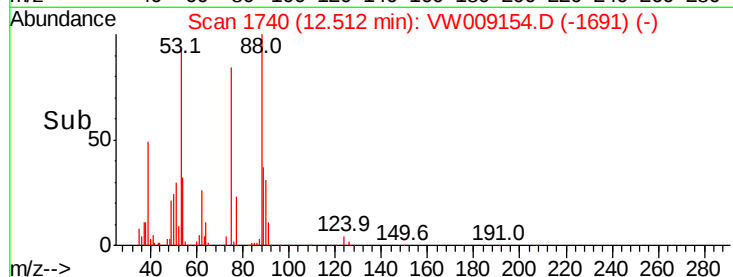
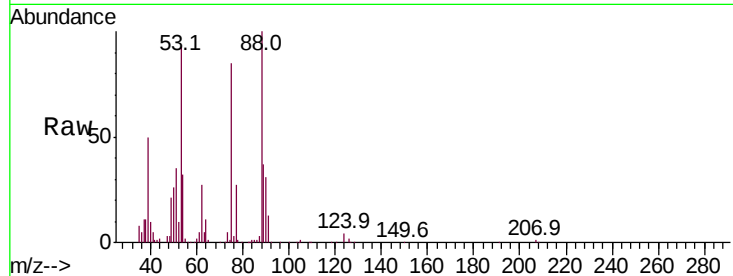




#81
trans-1,4-Dichloro-2-butene
Concen: 45.352 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

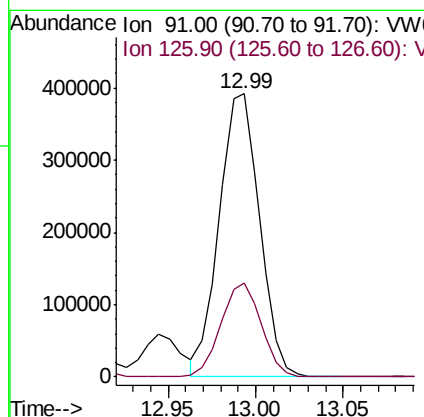
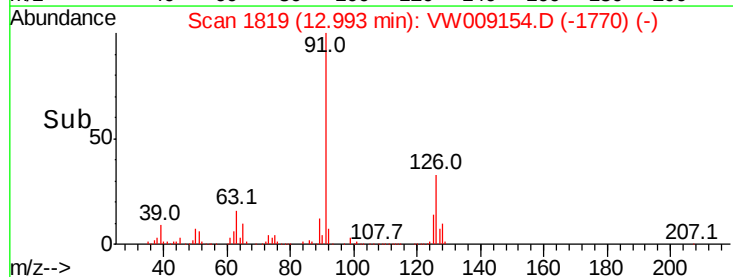
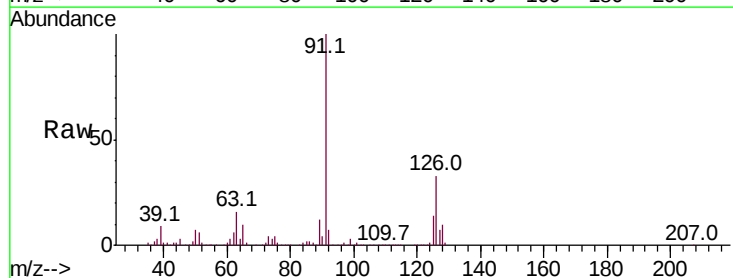
Instrument :
MSVOA_W
ClientSampleId :

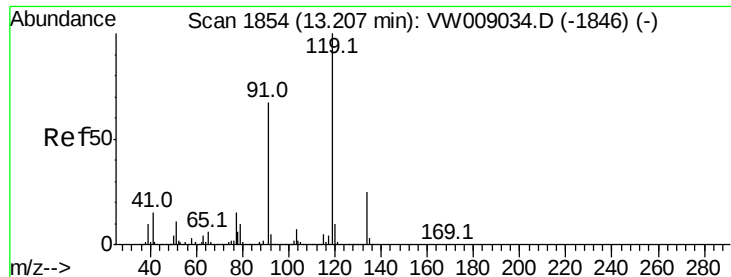
Tot Ion: 75 Resp: 35600
Ion Ratio Lower Upper
75 100
53 115.0 90.5 135.7
89 45.8 37.5 56.3



#82
4-Chlorotoluene
Concen: 53.494 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 91 Resp: 628002
Ion Ratio Lower Upper
91 100
126 33.2 16.6 49.8





#83

tert-Butylbenzene

Concen: 55.442 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

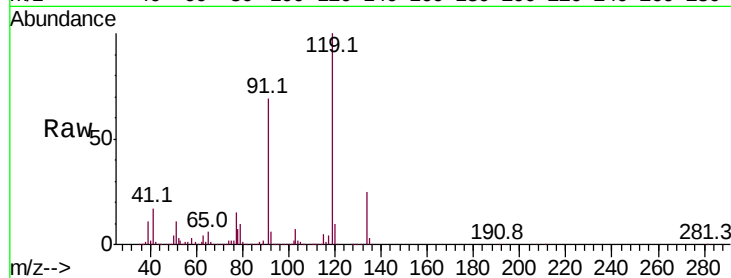
Tot Ion:119 Resp: 641410

Ion Ratio Lower Upper

119 100

91 69.0 34.2 102.5

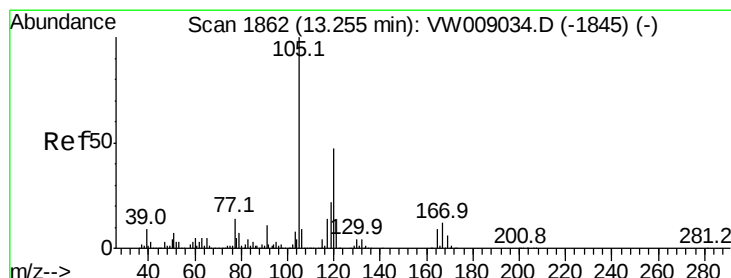
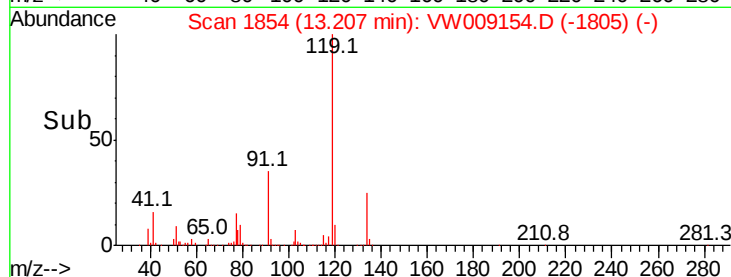
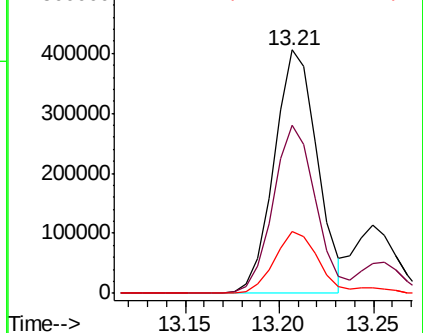
134 25.6 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.869 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009154.D

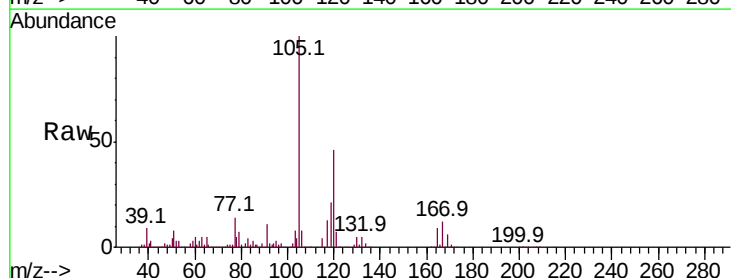
Acq: 13 Mar 2019 14:18

Tgt Ion:105 Resp: 747509

Ion Ratio Lower Upper

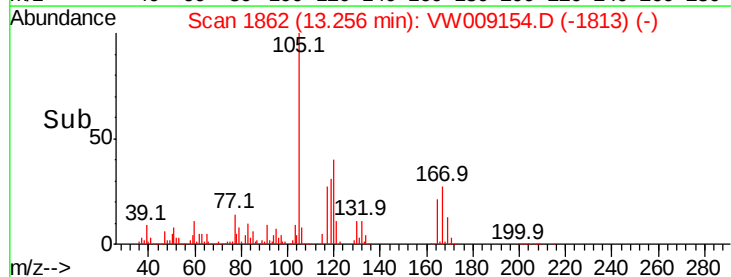
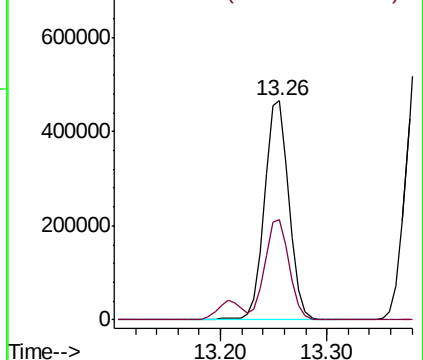
105 100

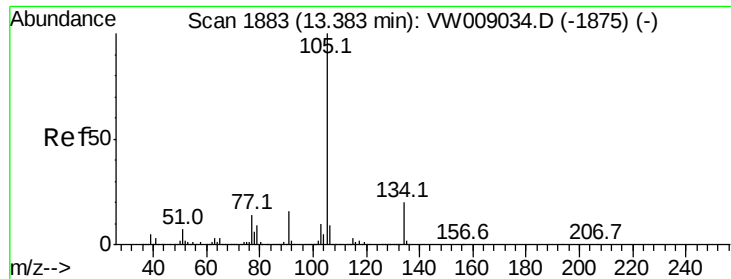
120 45.1 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.131 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

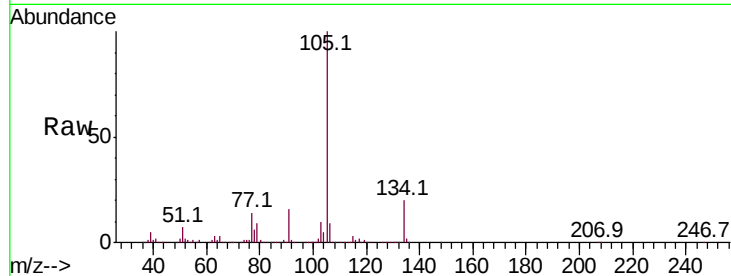
ClientSampled :

Tot Ion:105 Resp: 945004

Ion Ratio Lower Upper

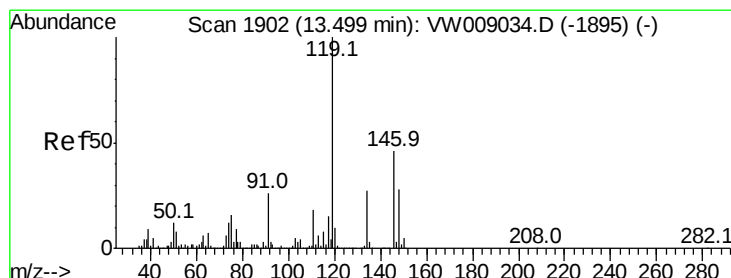
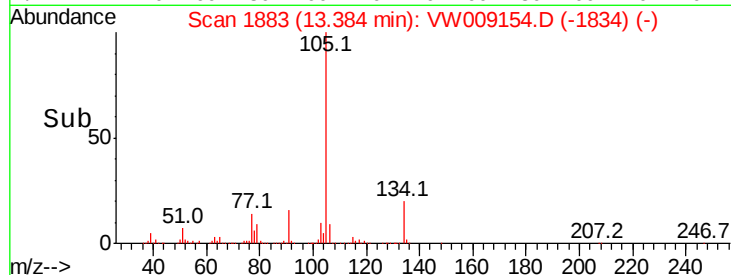
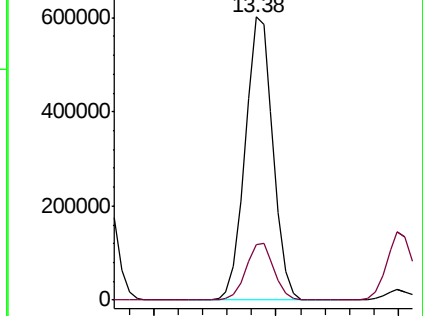
105 100

134 20.3 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.986 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

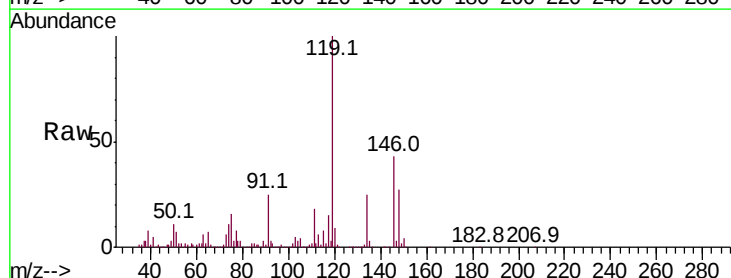
Tgt Ion:119 Resp: 843157

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

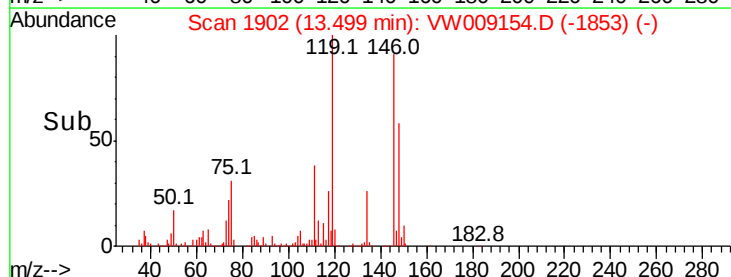
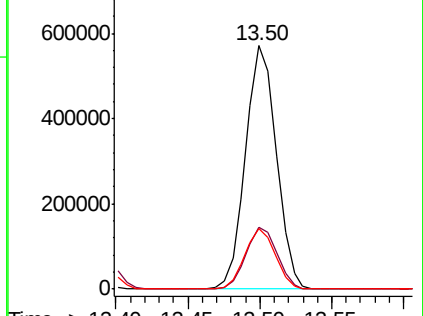
91 24.7 12.3 36.9

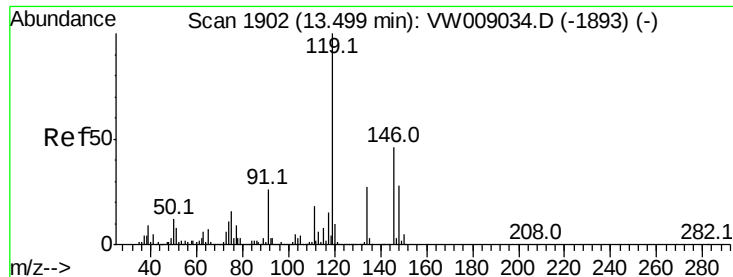


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.140 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

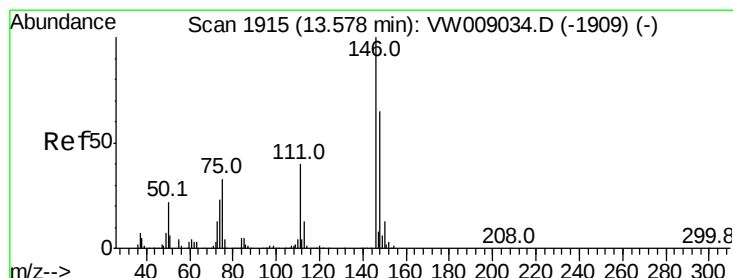
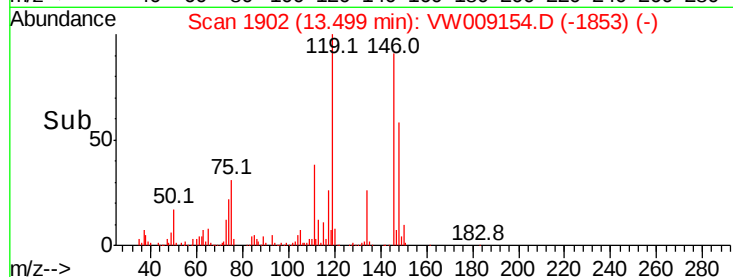
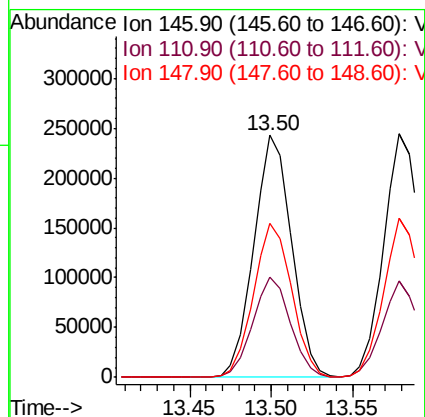
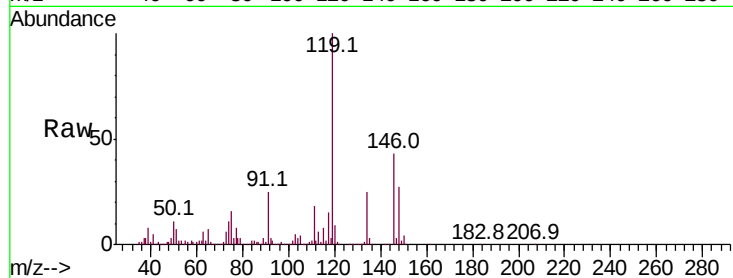
Tot Ion:146 Resp: 390785

Ion Ratio Lower Upper

146 100

111 41.2 19.8 59.4

148 63.9 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 51.520 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

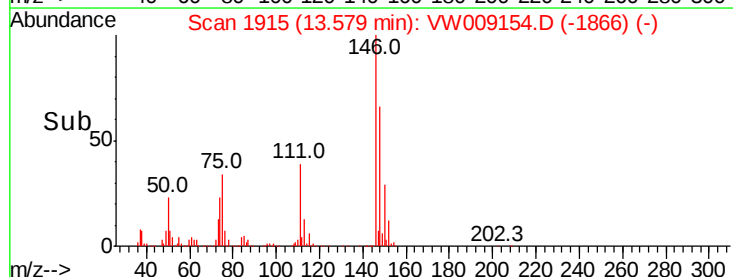
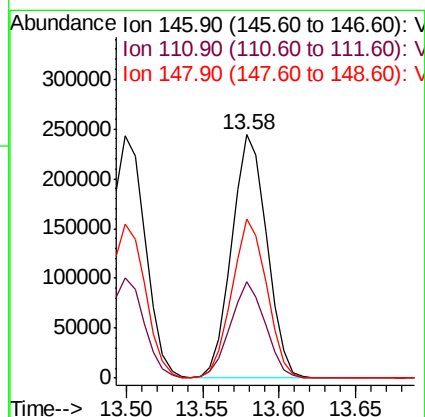
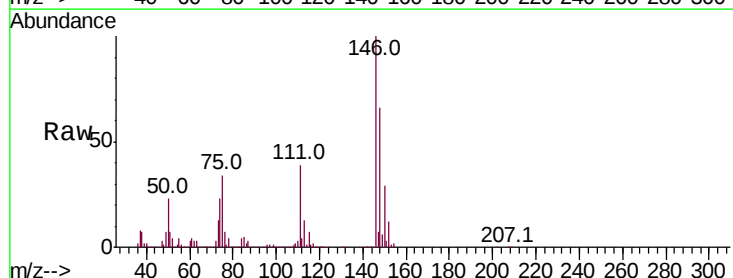
Tgt Ion:146 Resp: 389070

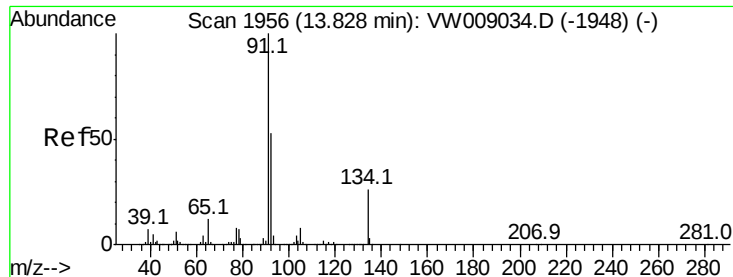
Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.0

148 65.1 32.2 96.6





#89

n-Butylbenzene

Concen: 55.887 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampled :

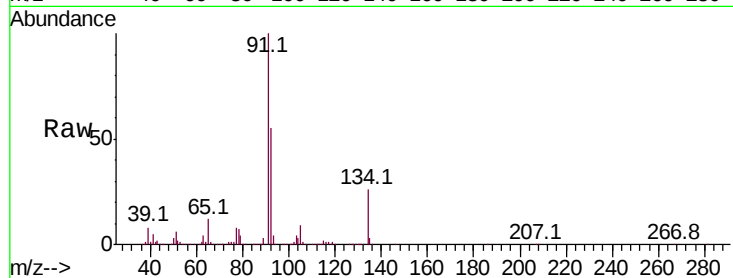
Tot Ion: 91 Resp: 814681

Ion Ratio Lower Upper

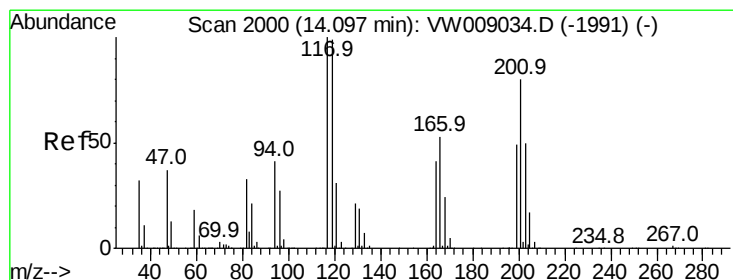
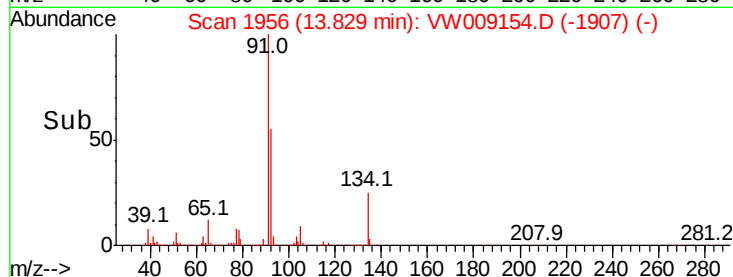
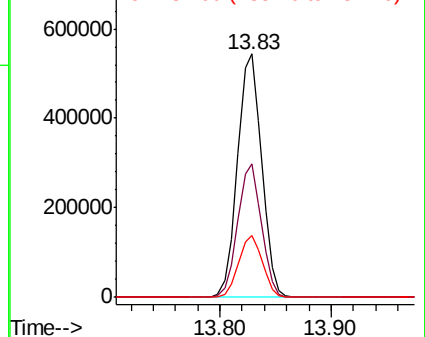
91 100

92 53.9 26.8 80.3

134 25.1 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.575 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009154.D

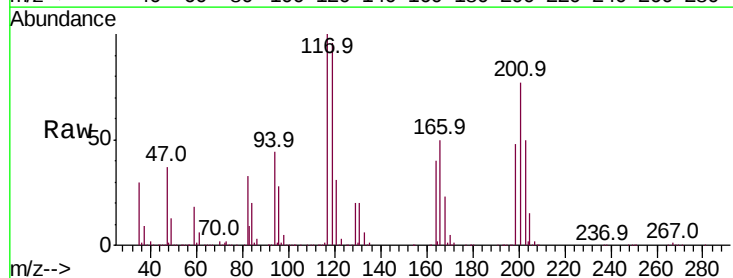
Acq: 13 Mar 2019 14:18

Tgt Ion: 117 Resp: 144330

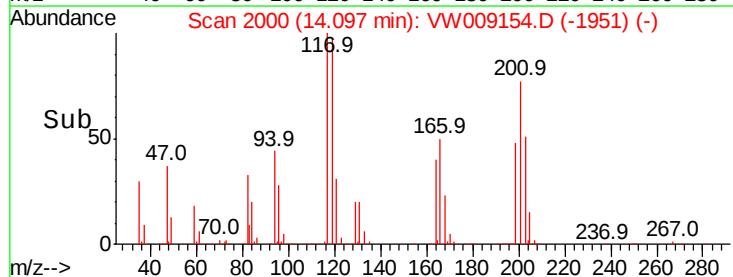
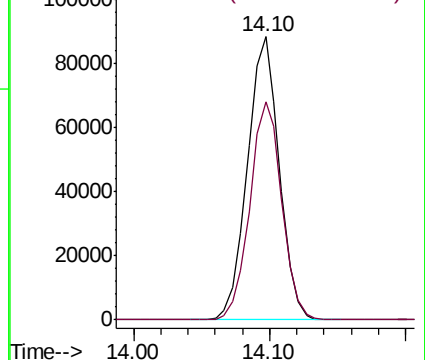
Ion Ratio Lower Upper

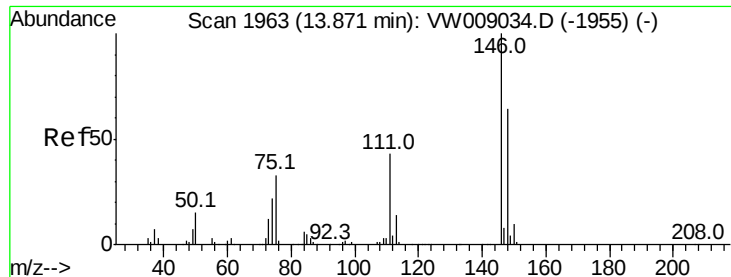
117 100

201 77.3 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.850 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

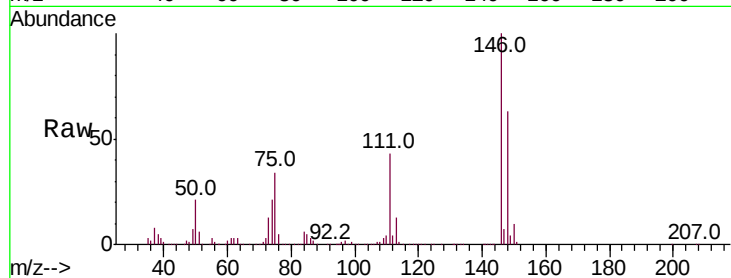
Tot Ion:146 Resp: 342834

Ion Ratio Lower Upper

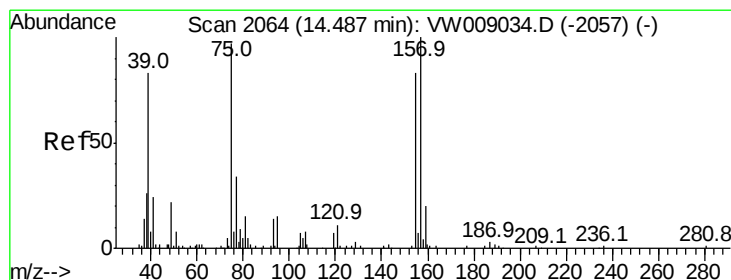
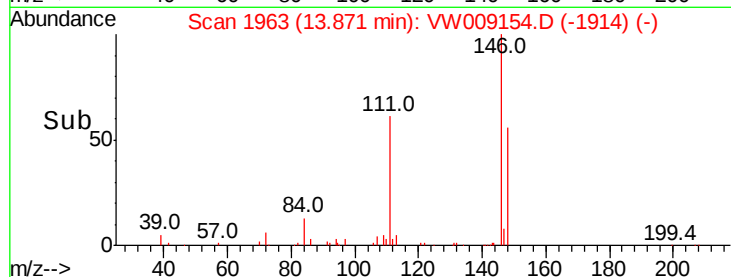
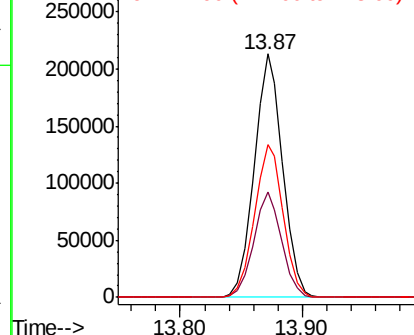
146 100

111 42.3 21.1 63.1

148 63.6 32.3 96.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.160 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

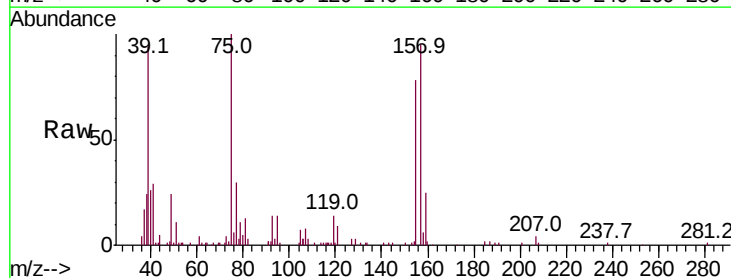
Tgt Ion: 75 Resp: 20638

Ion Ratio Lower Upper

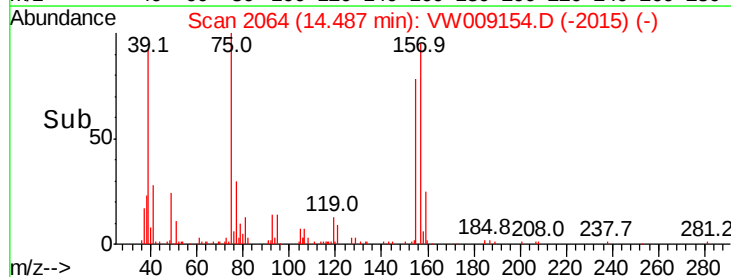
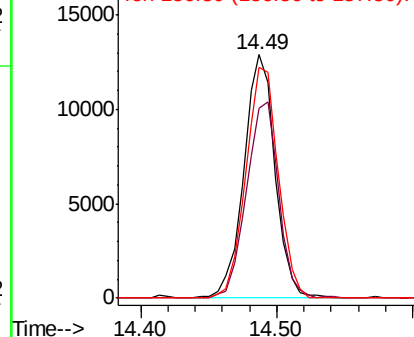
75 100

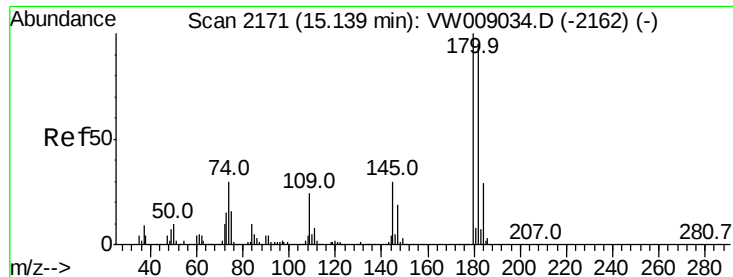
155 83.7 40.8 122.4

157 98.4 52.4 157.3



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

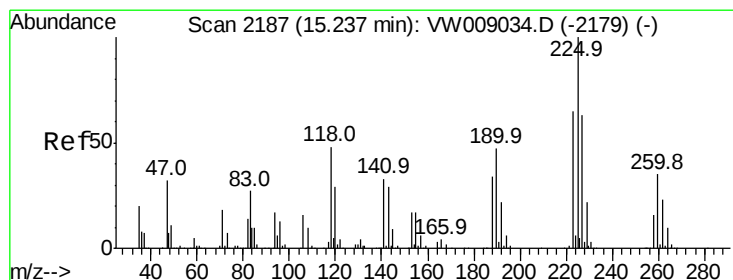
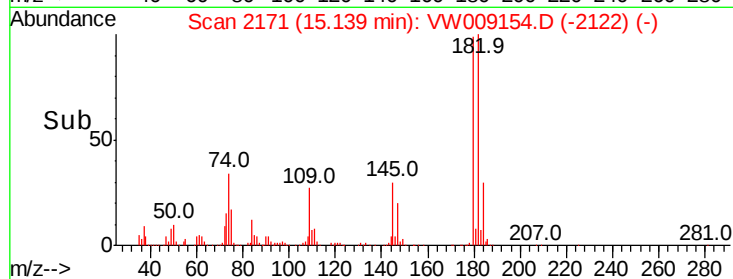
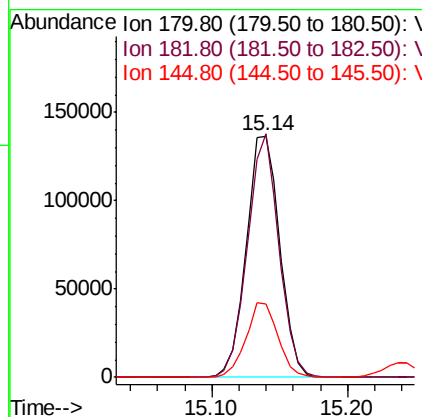
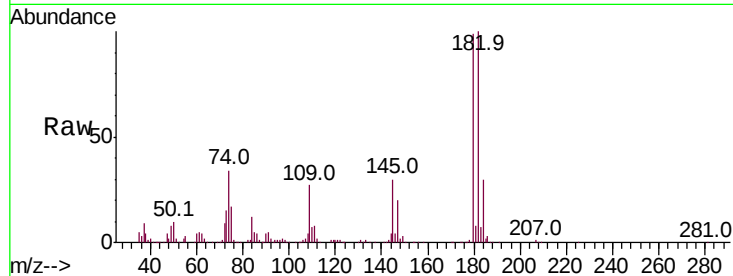




#93
1,2,4-Trichlorobenzene
Concen: 51.679 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

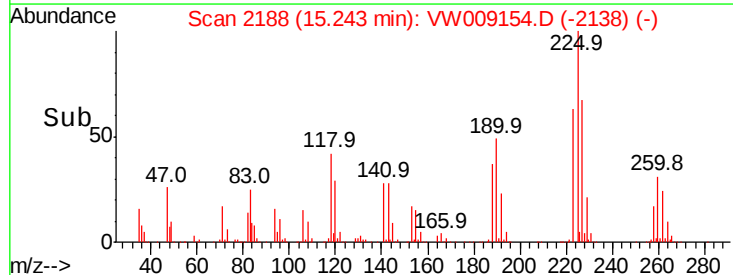
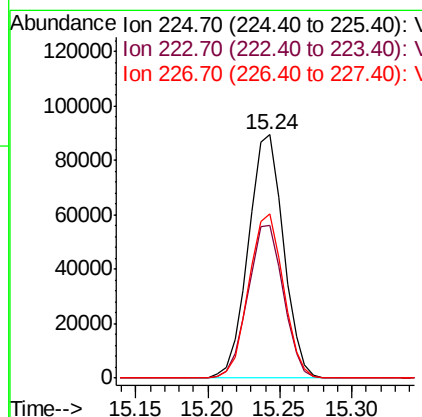
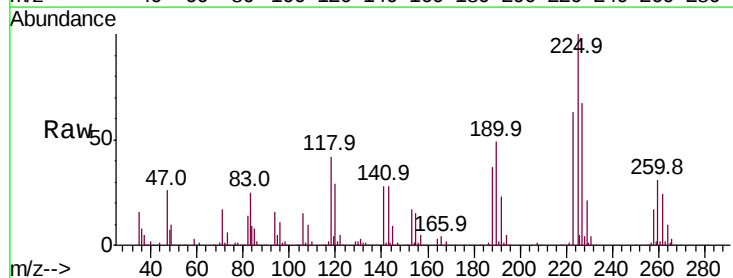
Instrument :
MSVOA_W
ClientSampleId :

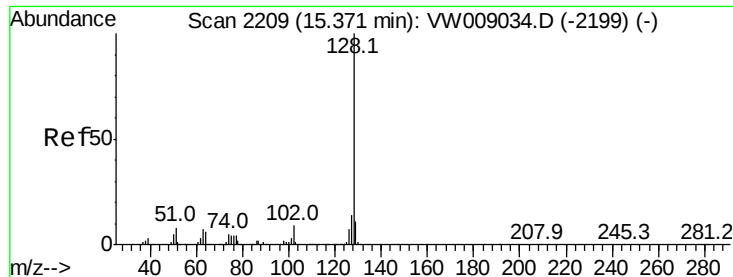
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.3
145	29.7	15.4	46.1



#94
Hexachlorobutadiene
Concen: 52.798 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	94.8
227	66.7	32.0	96.2

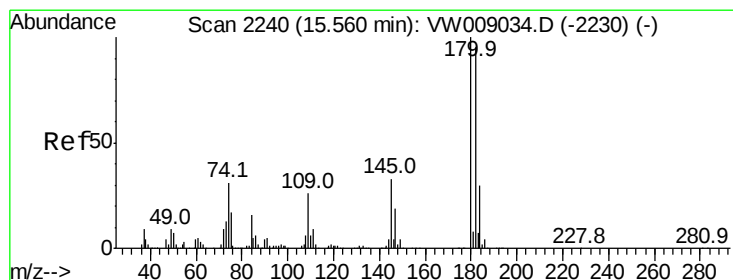
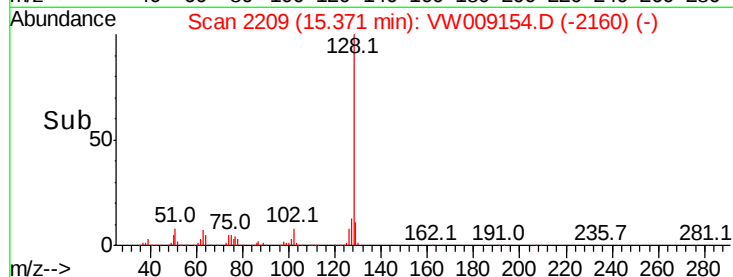
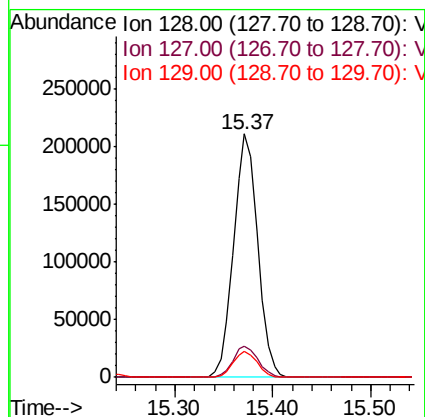
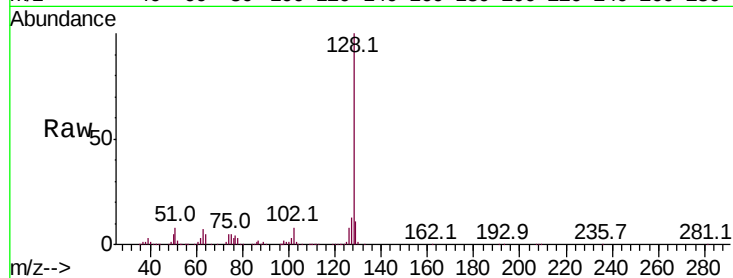




#95
Naphthalene
Concen: 48.377 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 360569
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.6
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.979 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion:180 Resp: 196100
Ion Ratio Lower Upper
180 100
182 95.3 48.1 144.3
145 32.0 15.8 47.3

