

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013209.D
 Acq On : 21 Sep 2019 03:29
 Operator : SY/VA
 Sample : K4939-03MSD
 Misc : 6.39G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:58:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	261414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	87460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	134525	63.05	ug/l	0.00
Spiked Amount			Recovery	=	126.10%	
35) Dibromofluoromethane	7.88	113	131732	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
50) Toluene-d8	10.32	98	507881	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.62	95	126018	35.15	ug/l	0.00
Spiked Amount			Recovery	=	70.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	48291	32.025	ug/l	87
3) Chloromethane	2.21	50	69110	35.653	ug/l	98
4) Vinyl Chloride	2.36	62	92818	37.142	ug/l	97
5) Bromomethane	2.77	94	59078	37.305	ug/l	95
6) Chloroethane	2.92	64	60999	41.411	ug/l	95
7) Trichlorofluoromethane	3.25	101	55553	38.552	ug/l	95
8) Diethyl Ether	3.68	74	68867	55.952	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106769	45.511	ug/l	99
10) Methyl Iodide	4.27	142	147191	40.467	ug/l	99
11) Tert butyl alcohol	5.19	59	53962	355.622	ug/l	100
12) 1,1-Dichloroethene	4.04	96	106169	43.702	ug/l	95
14) Allyl chloride	4.67	41	148496	38.407	ug/l	98
15) Acrylonitrile	5.37	53	164964	310.520	ug/l	99
16) Acetone	4.13	43	144593	300.526	ug/l	97
17) Carbon Disulfide	4.38	76	194661	27.723	ug/l	98
18) Methyl Acetate	4.67	43	144874	107.119	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	236729	63.581	ug/l	99
20) Methylene Chloride	4.91	84	139516	57.112	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	114357	43.553	ug/l	98
22) Diisopropyl ether	6.31	45	440056	59.854	ug/l	95
23) Vinyl Acetate	6.25	43	151860	34.817	ug/l	100
24) 1,1-Dichloroethane	6.21	63	245557	55.349	ug/l	99
25) 2-Butanone	7.17	43	216824	300.202	ug/l	95
26) 2,2-Dichloropropane	7.16	77	100721	37.083	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	152279	54.955	ug/l	97
28) Bromochloromethane	7.51	49	111484	65.473	ug/l	99
29) Tetrahydrofuran	7.52	42	141030	318.397	ug/l	99
30) Chloroform	7.67	83	248852	57.292	ug/l	96
31) Cyclohexane	7.95	56	167722	36.267	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	184756	52.519	ug/l	99
36) 1,1-Dichloropropene	8.08	75	159887	36.203	ug/l	99
37) Ethyl Acetate	7.25	43	84266	44.894	ug/l	100
38) Carbon Tetrachloride	8.07	117	160204	40.466	ug/l	95
39) Methylcyclohexane	9.33	83	164499	28.984	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	527172	42.795	ug/l	100
41) Methacrylonitrile	7.48	41	59376	53.003	ug/l	99
42) 1,2-Dichloroethane	8.40	62	152996	46.201	ug/l	98
43) Isopropyl Acetate	8.42	43	170378	47.361	ug/l	98
44) Trichloroethene	9.09	130	224891	65.068	ug/l	98
45) 1,2-Dichloropropane	9.37	63	142319	47.321	ug/l	99
46) Dibromomethane	9.46	93	67491	46.223	ug/l	98
47) Bromodichloromethane	9.64	83	183173	49.301	ug/l	99
48) Methyl methacrylate	9.43	41	96352	56.960	ug/l	96
49) 1,4-Dioxane	9.46	88	27448	1252.328	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	486060	269.517	ug/l	99
52) Toluene	10.38	92	328952	41.666	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	159449	41.772	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	194811	41.974	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	109366	50.112	ug/l	98
56) Ethyl methacrylate	10.65	69	126943	44.445	ug/l	98
57) 1,3-Dichloropropane	10.93	76	171375	44.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	374755	283.418	ug/l	100
59) 2-Hexanone	10.96	43	302264	243.610	ug/l	99
60) Dibromochloromethane	10.87	129	16339481	6593.506	ug/l #	11
61) 1,2-Dibromoethane	11.23	107	92685	44.667	ug/l	99
64) Tetrachloroethene	10.87	164	18070772	6797.178	ug/l #	80
65) Chlorobenzene	11.66	112	320857	43.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	130714	52.292	ug/l	99
67) Ethyl Benzene	11.73	91	527887	39.818	ug/l	98
68) m/p-Xylenes	11.84	106	377600	74.744	ug/l	99
69) o-Xylene	12.16	106	186513	39.710	ug/l	98
70) Stvrene	12.18	104	318193	39.460	ug/l	99
71) Bromoform	12.35	173	69270	52.453	ug/l #	100
73) Isopropylbenzene	12.46	105	415796	64.357	ug/l	100
74) N-amyl acetate	12.27	43	79035	55.129	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	100070	92.614	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	123072	159.340	ug/l #	100
77) Bromobenzene	12.74	156	119832	78.270	ug/l	98
78) n-propylbenzene	12.80	91	378258	50.017	ug/l	99
79) 2-Chlorotoluene	12.89	91	270829	63.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	255103	46.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24120	70.073	ug/l	97
82) 4-Chlorotoluene	12.99	91	253245	56.682	ug/l	99
83) tert-Butylbenzene	13.21	119	227656	47.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	239749	44.363	ug/l	98
85) sec-Butylbenzene	13.38	105	229468	34.917	ug/l	100
86) p-Isopropyltoluene	13.49	119	184034	30.192	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	131473	44.619	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	131011	45.335	ug/l	99
89) n-Butylbenzene	13.82	91	106215	19.083	ug/l	99
90) Hexachloroethane	14.09	117	49985	48.814	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	118473	46.476	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	12162	73.589	ug/l	94
93) 1,2,4-Trichlorobenzene	15.13	180	17350	9.498	ug/l	96

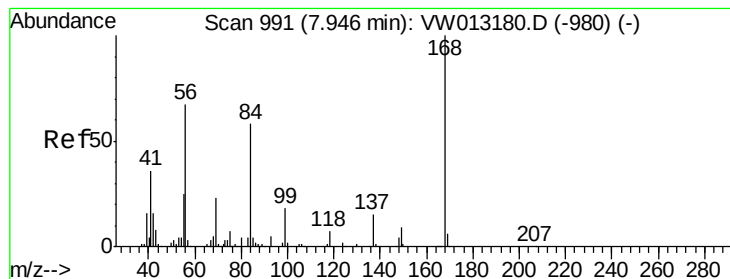
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	11473	9.181	ug/l	94
95) Naphthalene	15.36	128	69923	23.405	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	15210	9.637	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. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

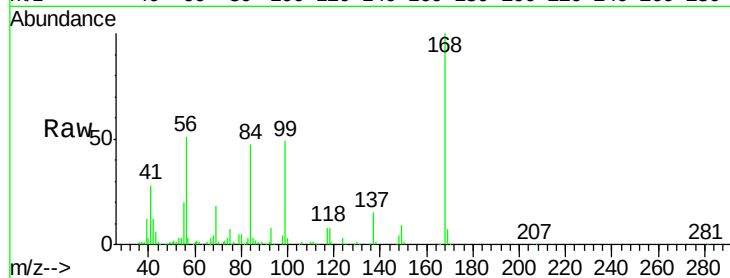
ClientSampled :

Tot Ion:168 Resp: 261414

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

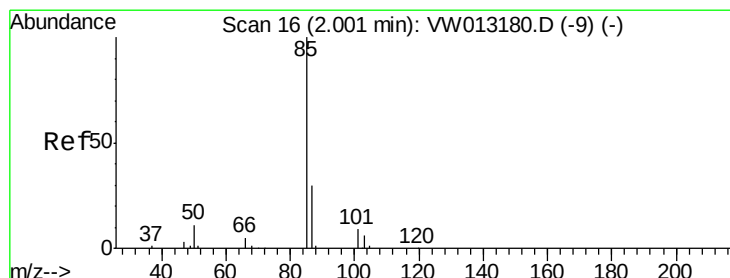
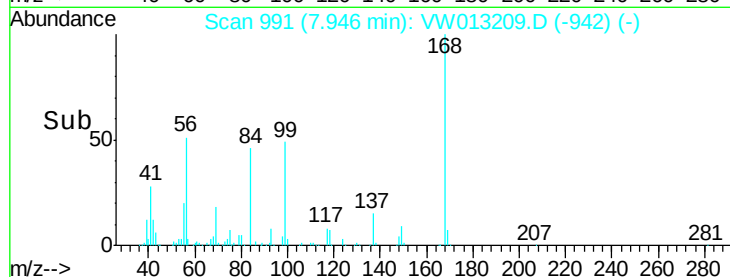
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 32.025 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013209.D

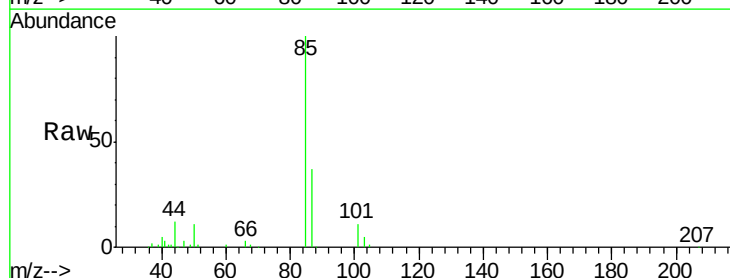
Acq: 21 Sep 2019 03:29

Tgt Ion: 85 Resp: 48291

Ion Ratio Lower Upper

85 100

87 37.0 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

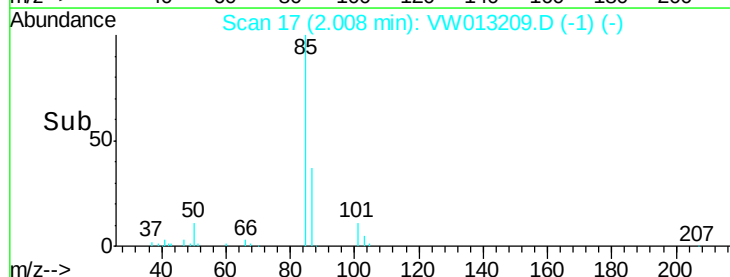
15000

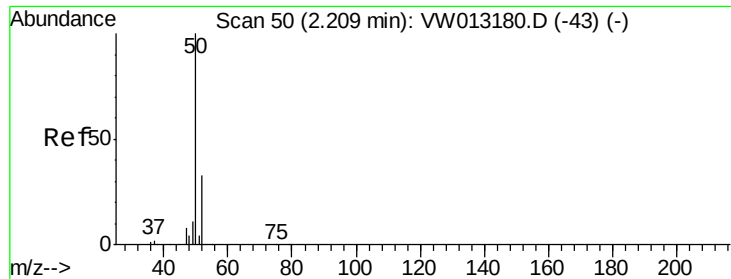
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 35.653 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

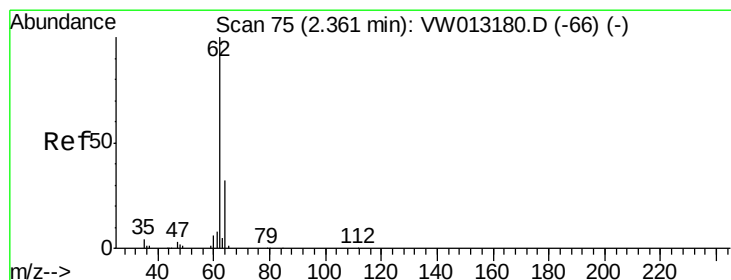
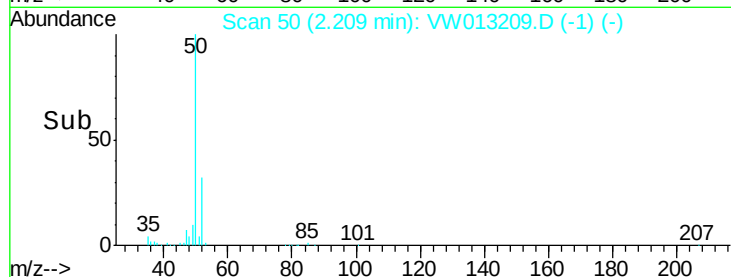
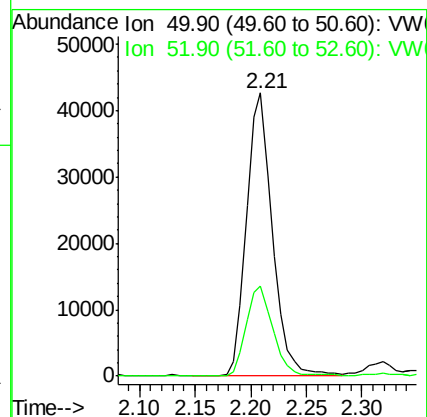
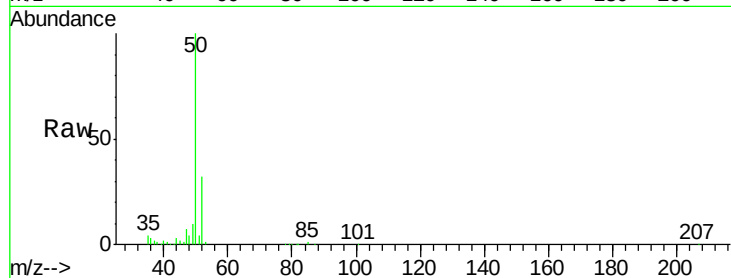
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 69110

Ion Ratio Lower Upper

50 100

52 31.6 26.1 39.1



#4

Vinyl Chloride

Concen: 37.142 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013209.D

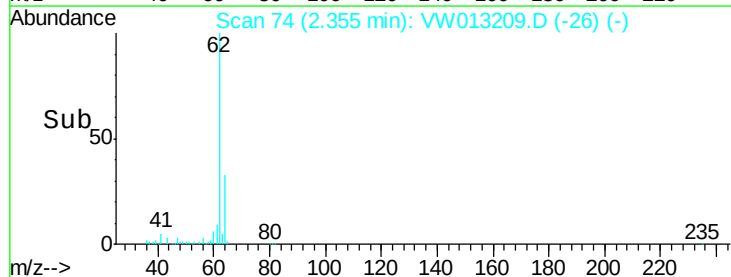
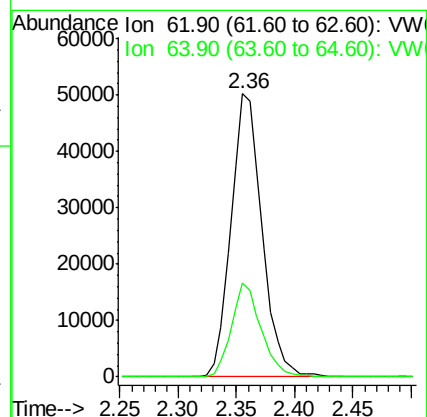
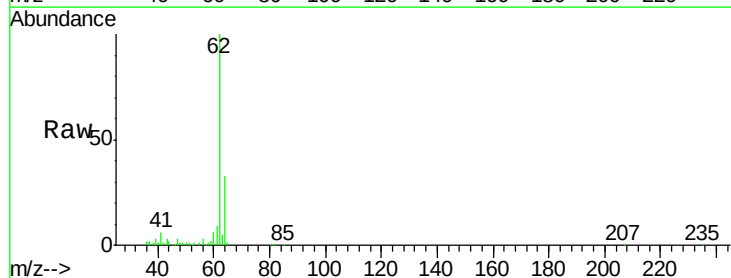
Acq: 21 Sep 2019 03:29

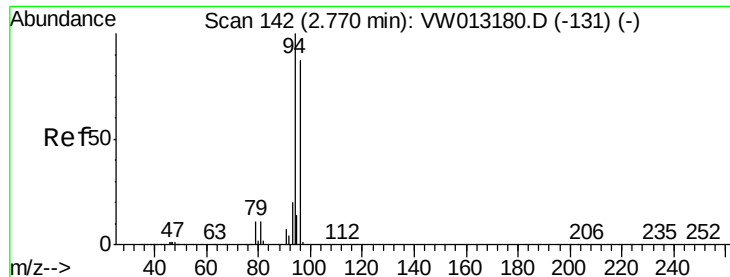
Tgt Ion: 62 Resp: 92818

Ion Ratio Lower Upper

62 100

64 33.2 25.3 37.9





#5

Bromomethane

Concen: 37.305 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

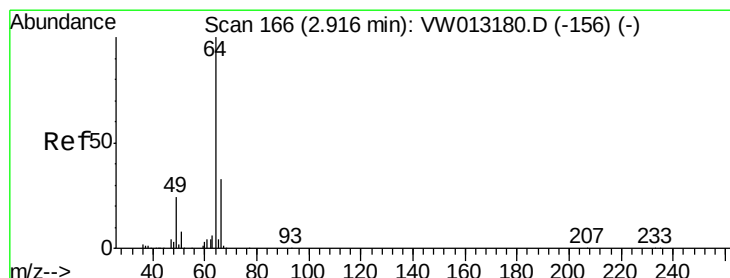
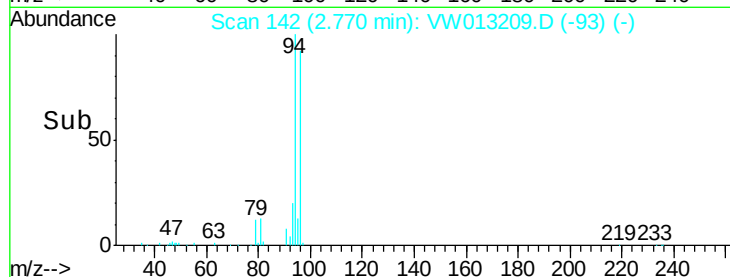
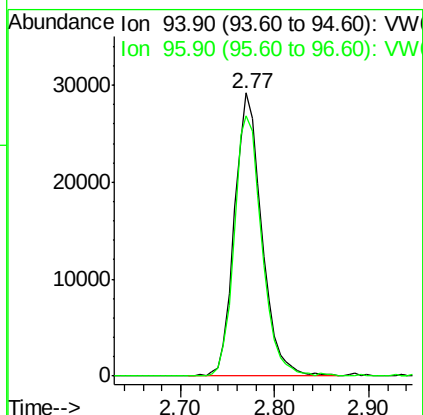
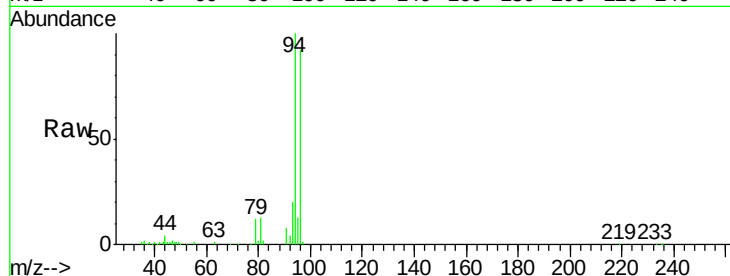
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 59078

Ion Ratio Lower Upper

94 100

96 92.0 69.7 104.5



#6

Chloroethane

Concen: 41.411 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013209.D

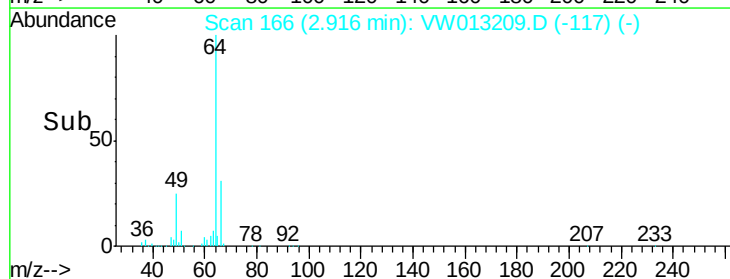
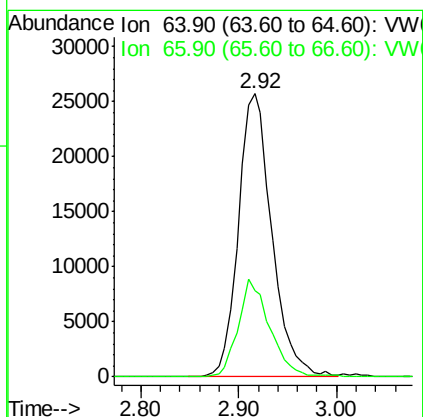
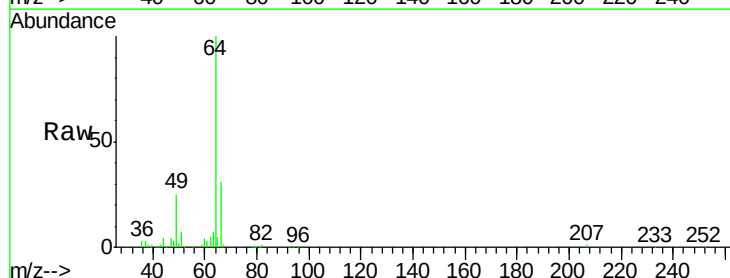
Acq: 21 Sep 2019 03:29

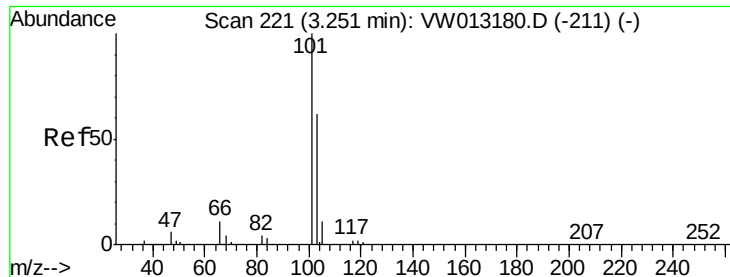
Tgt Ion: 64 Resp: 60999

Ion Ratio Lower Upper

64 100

66 30.6 26.6 39.8



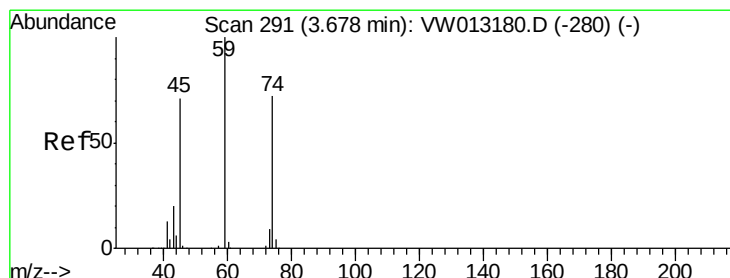
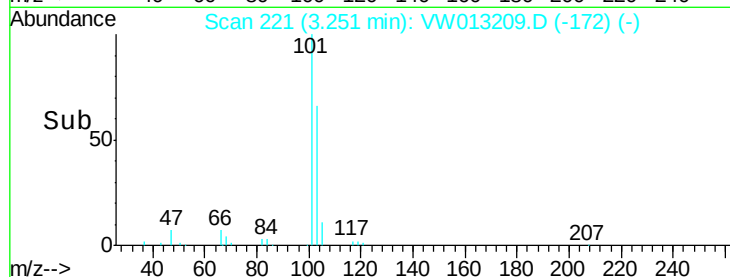
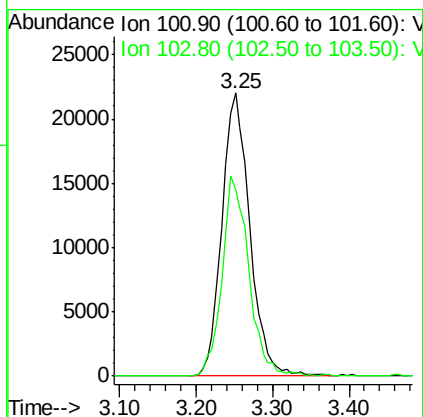
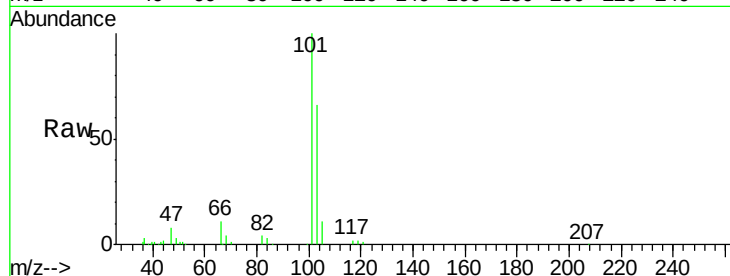


#7

Trichlorofluoromethane
Concen: 38.552 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Instrument :
MSVOA_W
ClientSampleId :

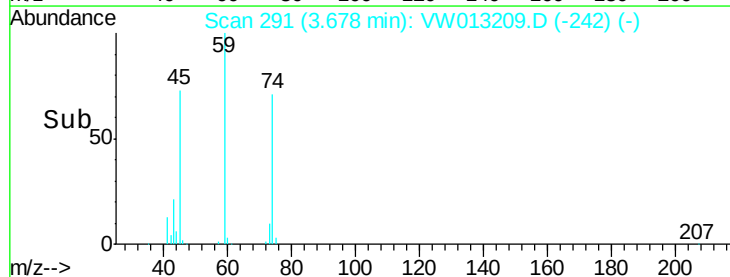
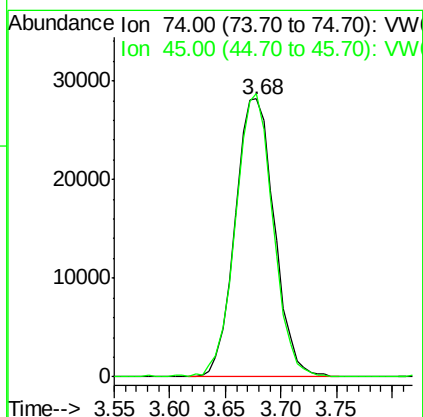
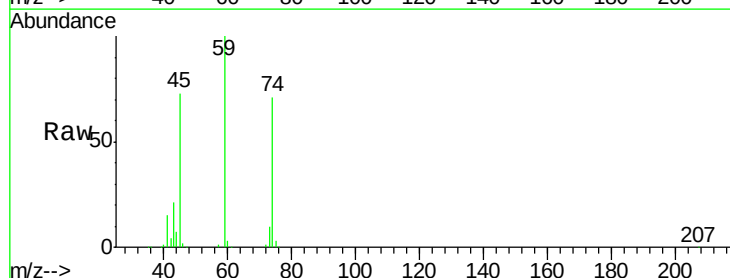
Tot Ion:101 Resp: 55553
Ion Ratio Lower Upper
101 100
103 65.7 49.7 74.5

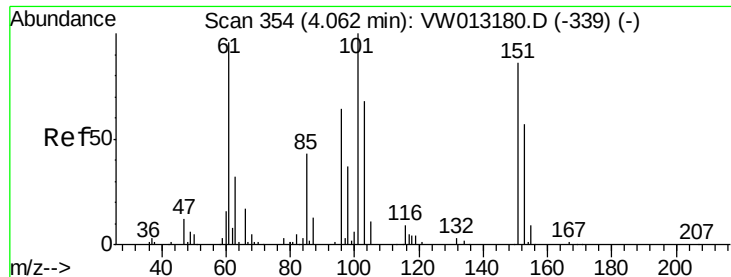


#8

Diethyl Ether
Concen: 55.952 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 74 Resp: 68867
Ion Ratio Lower Upper
74 100
45 97.8 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.511 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

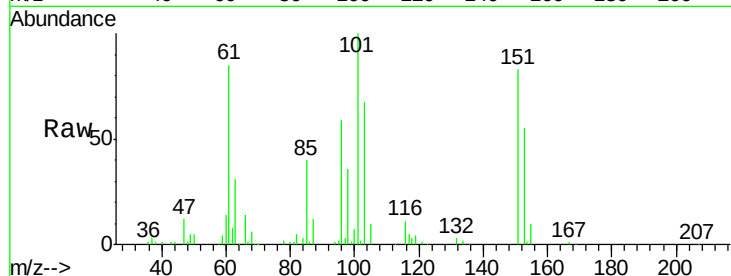
Tot Ion:101 Resp: 106769

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.0

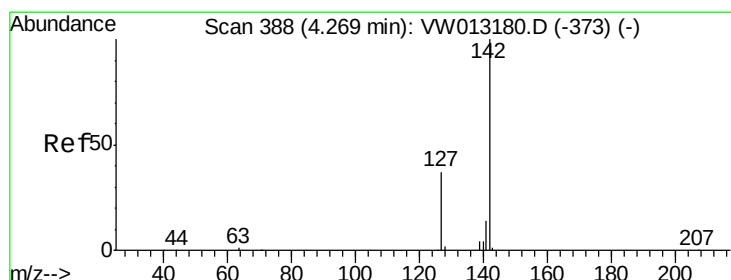
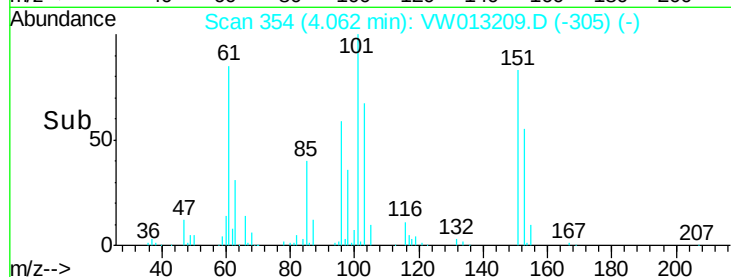
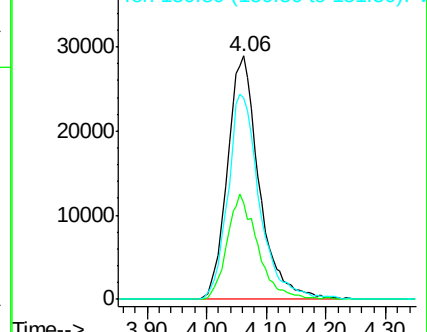
151 84.5 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.467 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

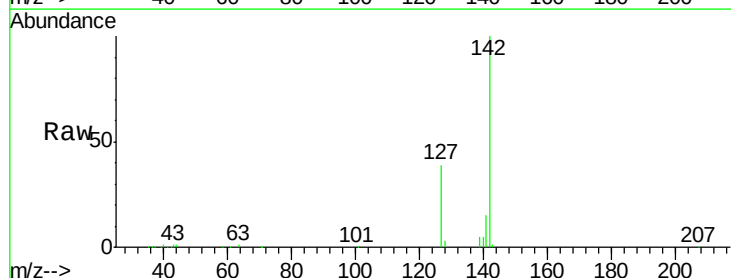
Tgt Ion:142 Resp: 147191

Ion Ratio Lower Upper

142 100

127 37.8 30.9 46.3

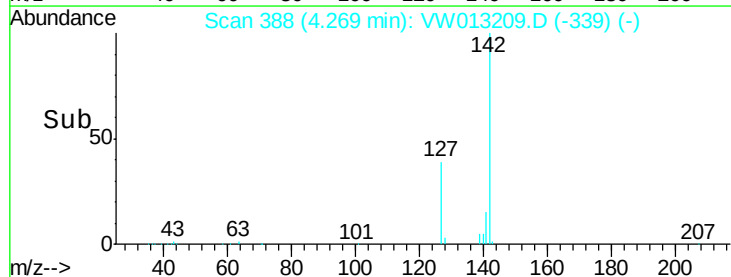
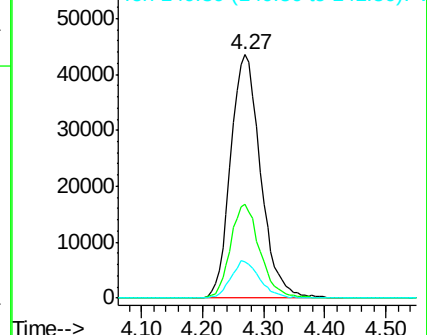
141 14.8 11.7 17.5

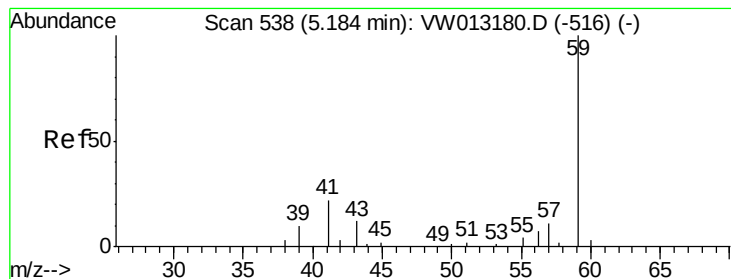


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 355.622 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

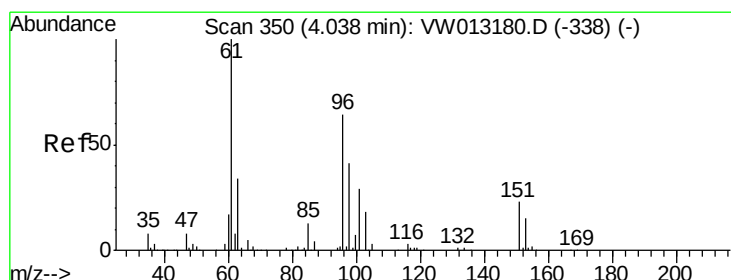
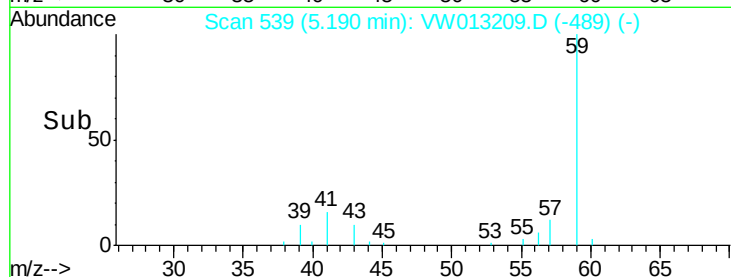
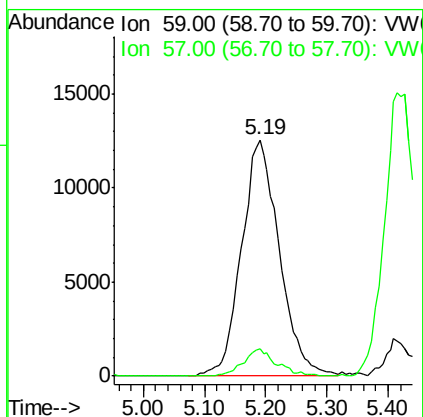
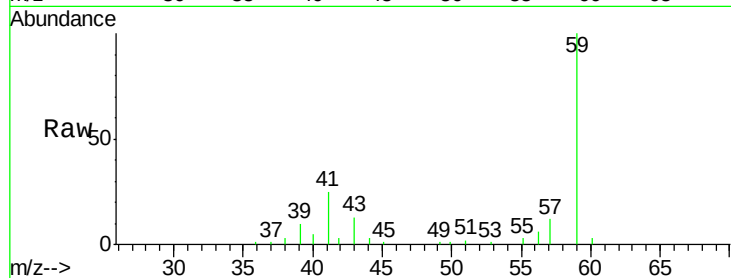
ClientSampleId :

Tot Ion: 59 Resp: 53962

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2



#12

1,1-Dichloroethene

Concen: 43.702 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

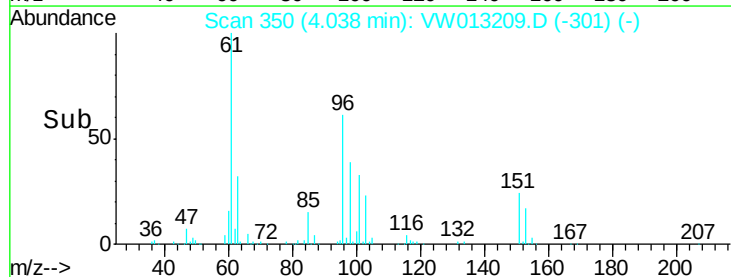
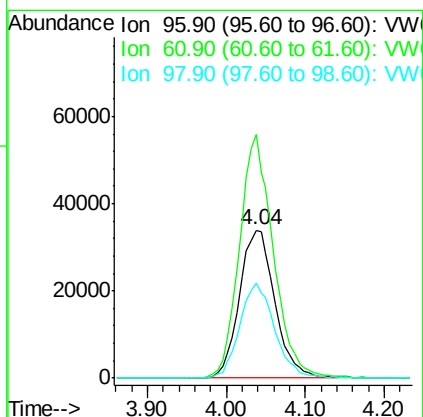
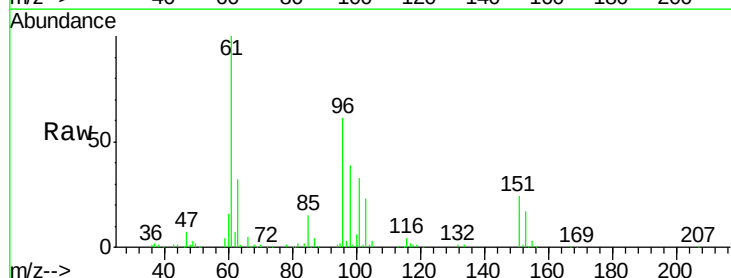
Tgt Ion: 96 Resp: 106169

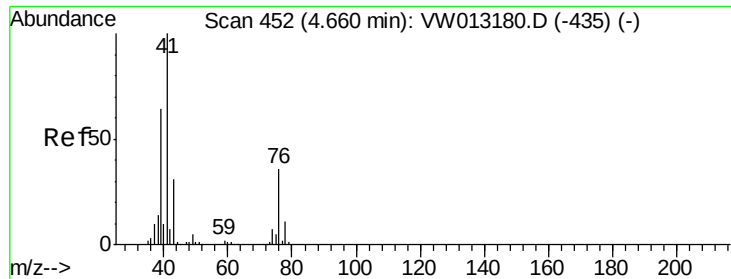
Ion Ratio Lower Upper

96 100

61 164.4 125.1 187.7

98 64.5 50.8 76.2

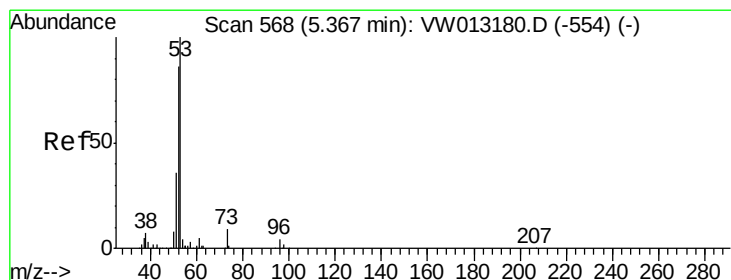
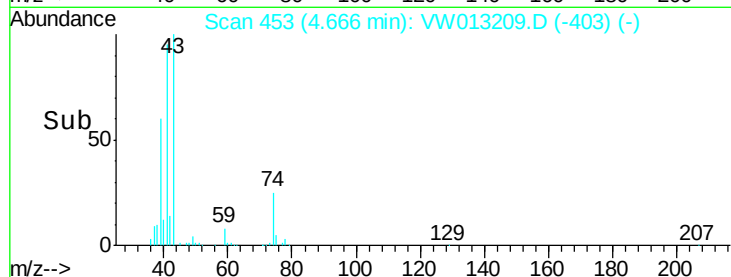
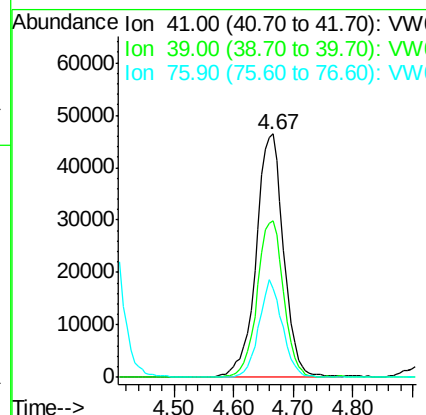
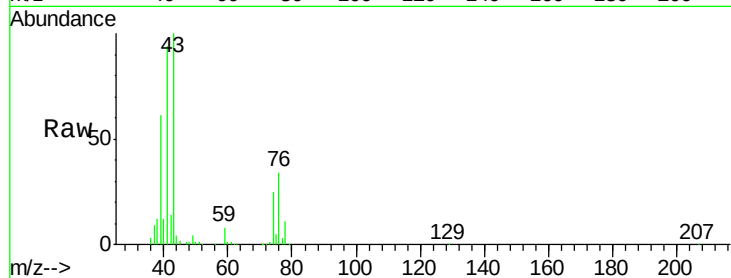




#14
Allvl chloride
Concen: 38.407 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

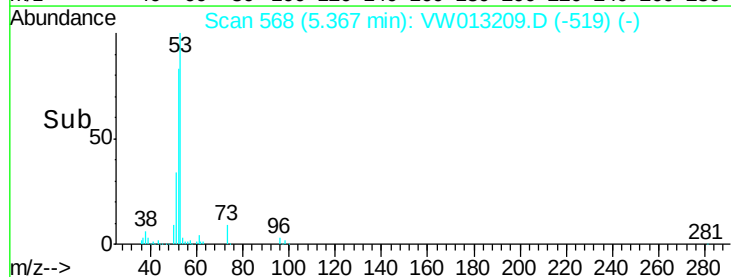
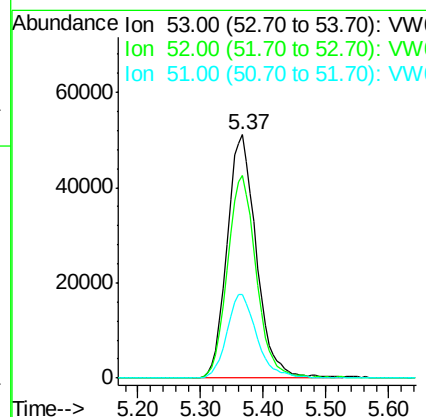
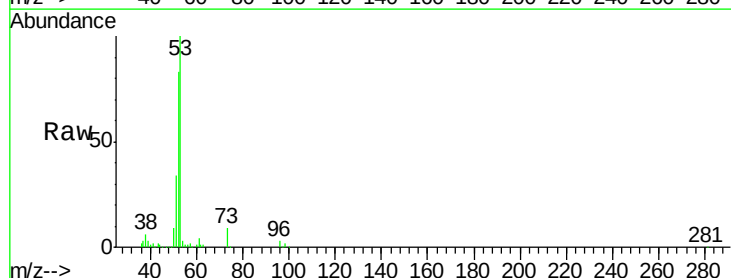
Instrument :
MSVOA_W
ClientSampled :

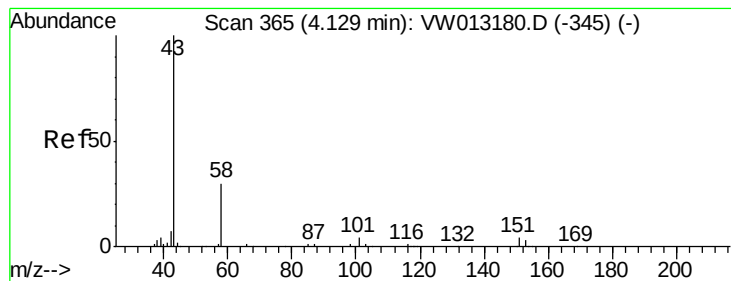
Tot Ion: 41 Resp: 148496
Ion Ratio Lower Upper
41 100
39 61.9 51.0 76.4
76 33.9 28.4 42.6



#15
Acrylonitrile
Concen: 310.520 ug/l
RT: 5.37 min Scan# 568
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 53 Resp: 164964
Ion Ratio Lower Upper
53 100
52 82.0 65.3 97.9
51 35.3 29.0 43.4





#16

Acetone

Concen: 300.526 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

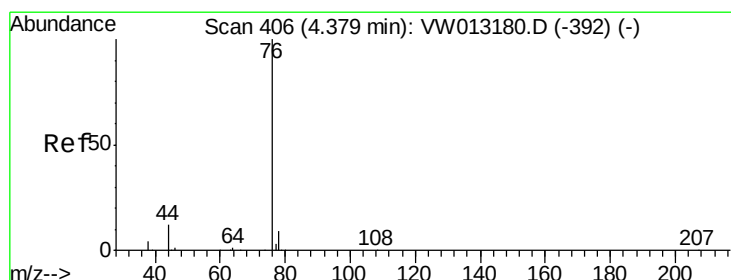
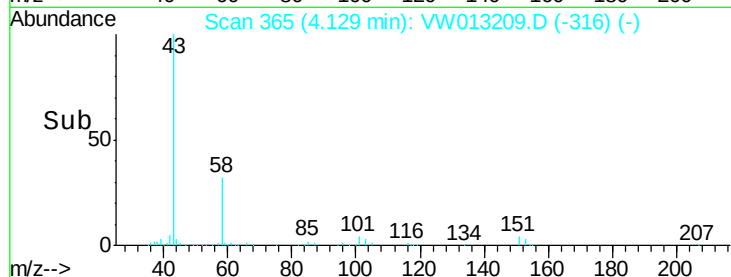
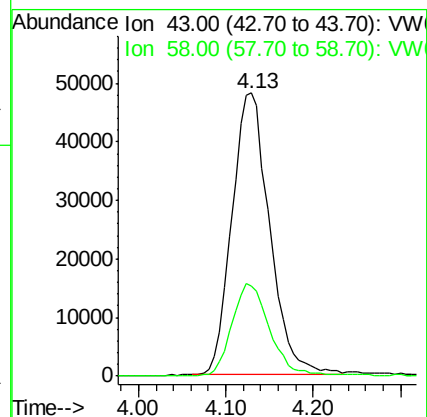
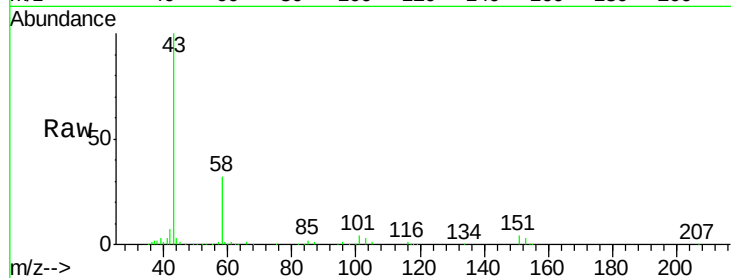
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 144593

Ion Ratio Lower Upper

43 100

58 31.8 24.1 36.1



#17

Carbon Disulfide

Concen: 27.723 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013209.D

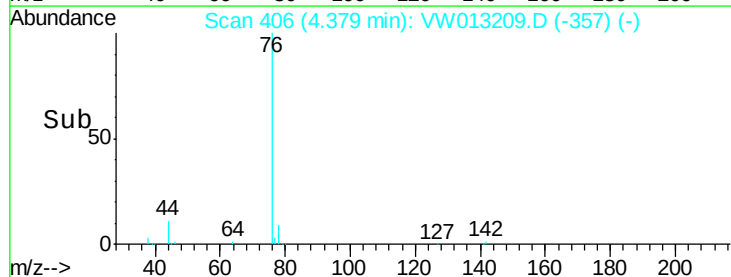
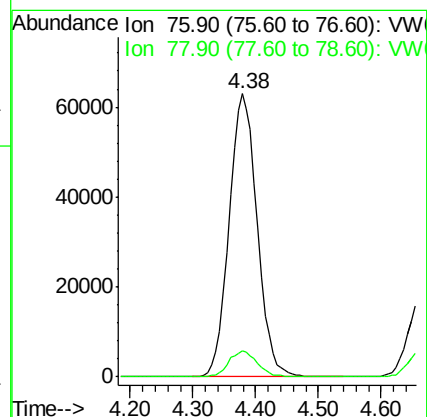
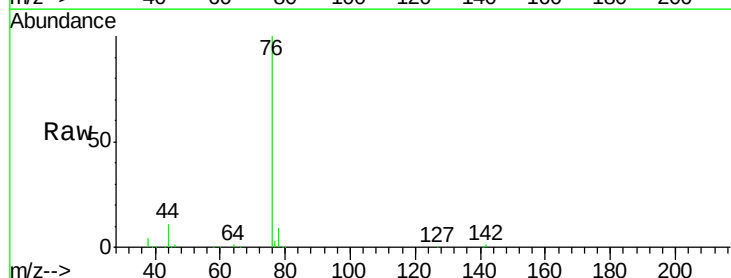
Acq: 21 Sep 2019 03:29

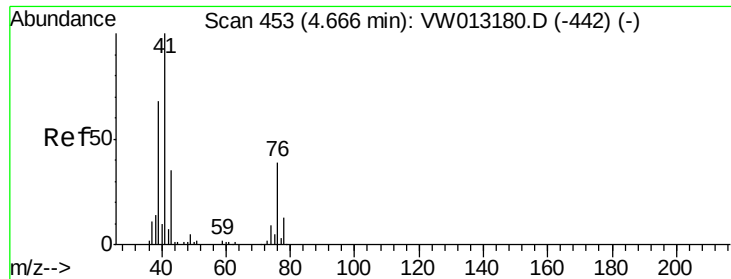
Tgt Ion: 76 Resp: 194661

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

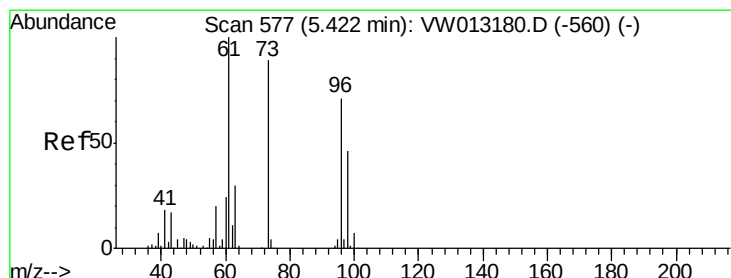
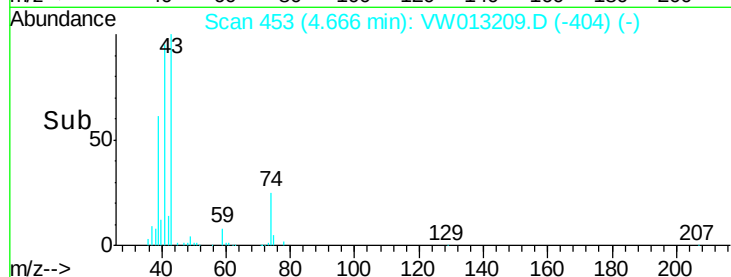
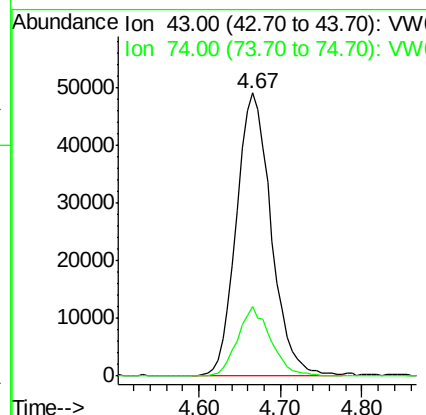
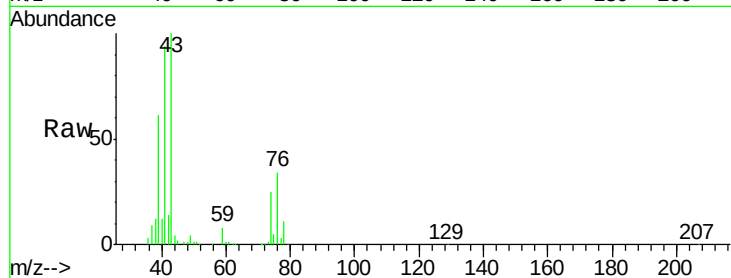




#18
Methvl Acetate
Concen: 107.119 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

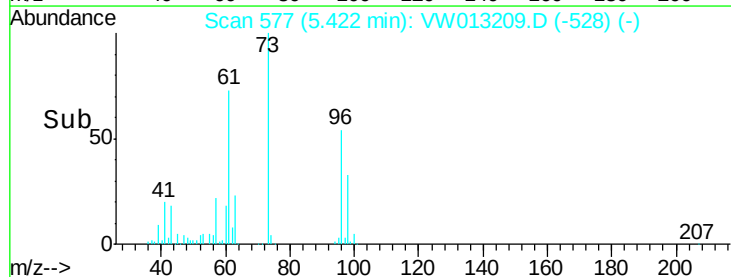
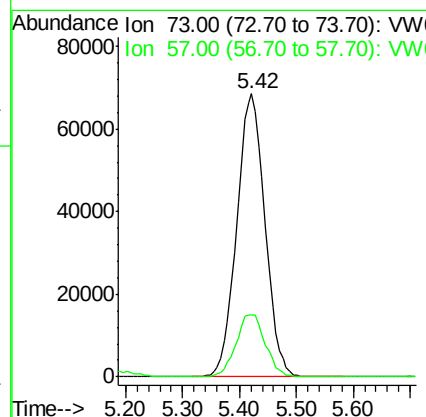
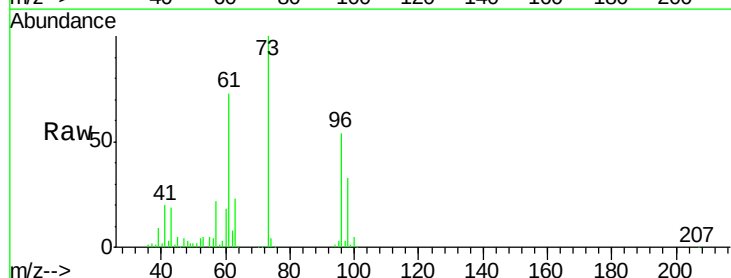
Instrument :
MSVOA_W
ClientSampled :

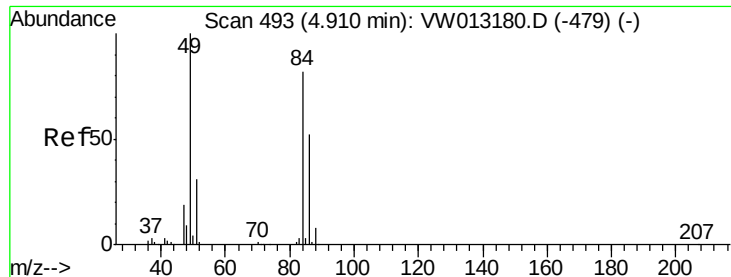
Tot Ion: 43 Resp: 144874
Ion Ratio Lower Upper
43 100
74 23.3 19.3 28.9



#19
Methyl tert-butyl Ether
Concen: 63.581 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 73 Resp: 236729
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4



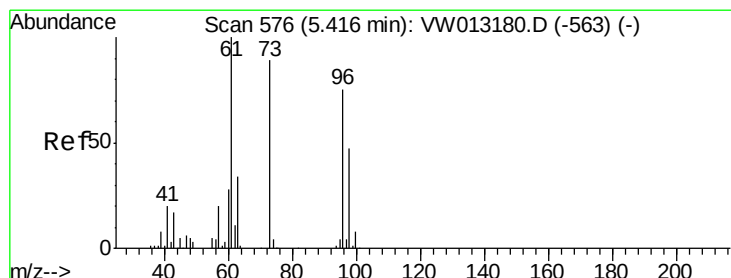
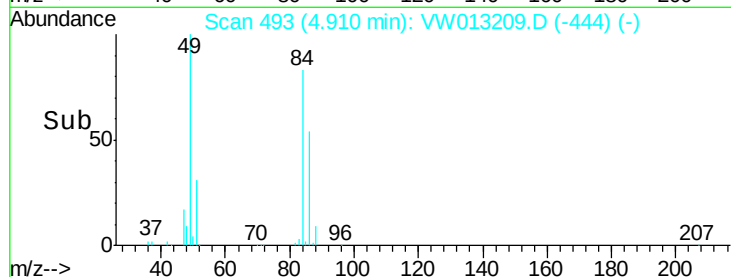
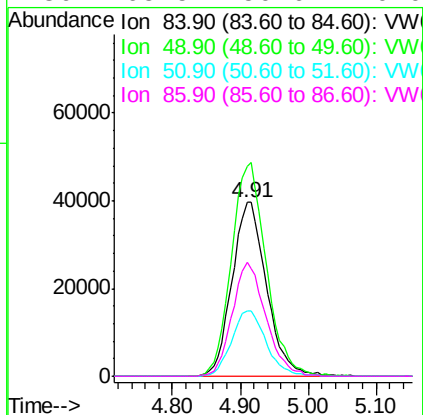
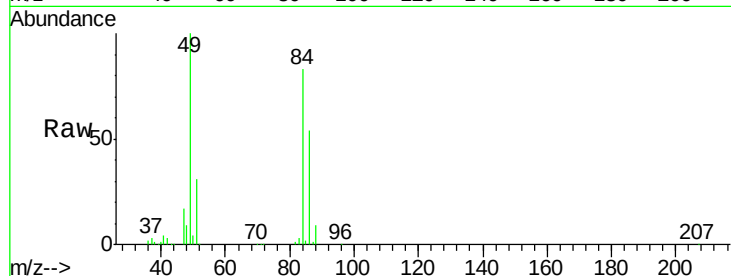


#20
Methylene Chloride
Concen: 57.112 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 139516

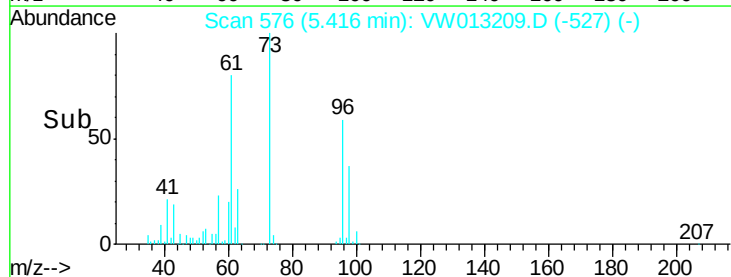
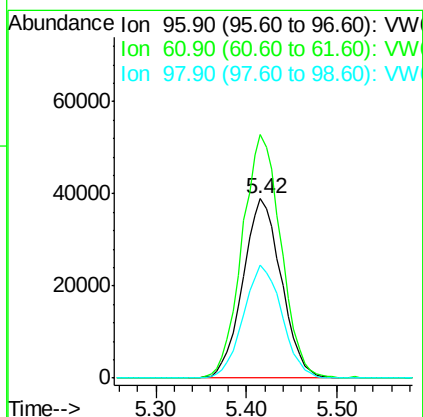
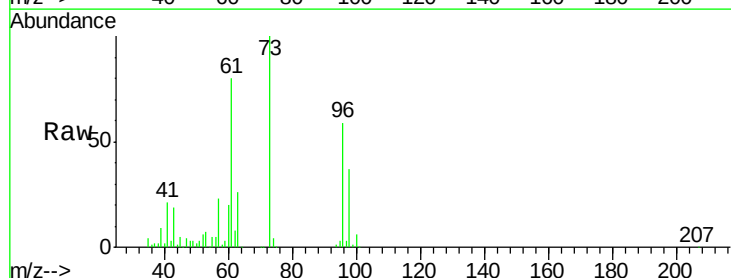
Ion	Ratio	Lower	Upper
84	100		
49	121.2	97.6	146.4
51	37.5	30.2	45.2
86	65.5	50.6	76.0

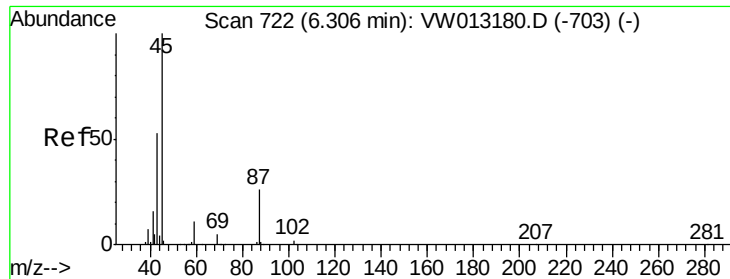


#21
trans-1,2-Dichloroethene
Concen: 43.553 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 96 Resp: 114357

Ion	Ratio	Lower	Upper
96	100		
61	135.9	106.6	159.8
98	63.0	49.8	74.8





#22

Diisopropyl ether

Concen: 59.854 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

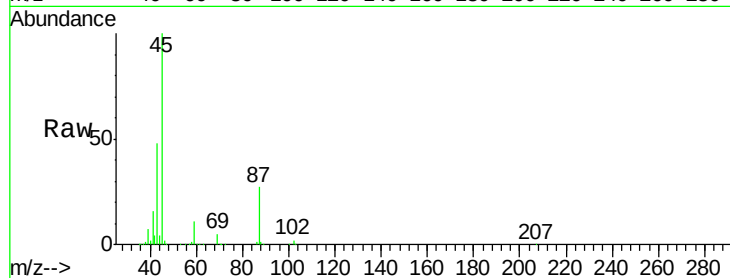
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 45 Resp: 440056

Ion	Ratio	Lower	Upper
45	100		
43	48.2	42.4	63.6
87	26.6	20.4	30.6
59	11.3	8.8	13.2

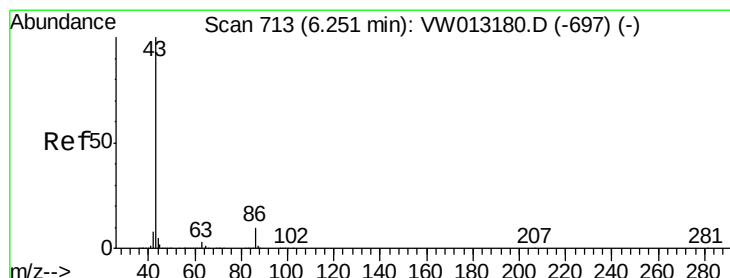
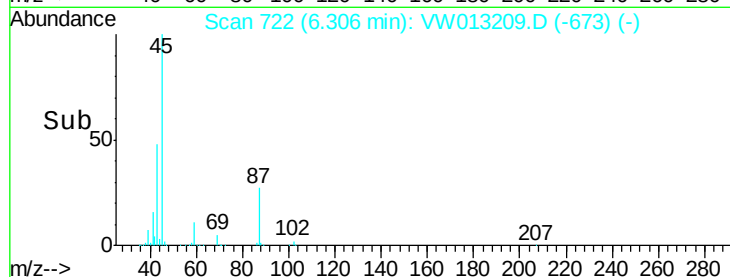


Abundance Ion 45.00 (44.70 to 45.70): VW

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: 34.817 ug/l

RT: 6.25 min Scan# 713

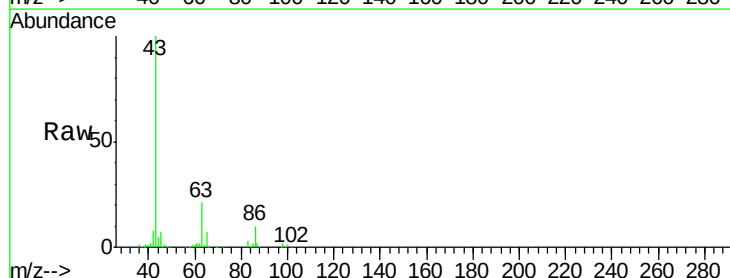
Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

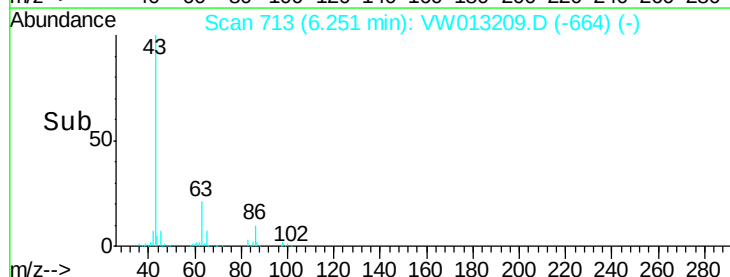
Tgt Ion: 43 Resp: 151860

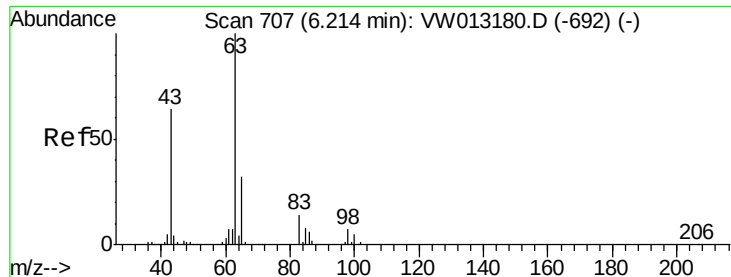
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.3	12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 55.349 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampled :

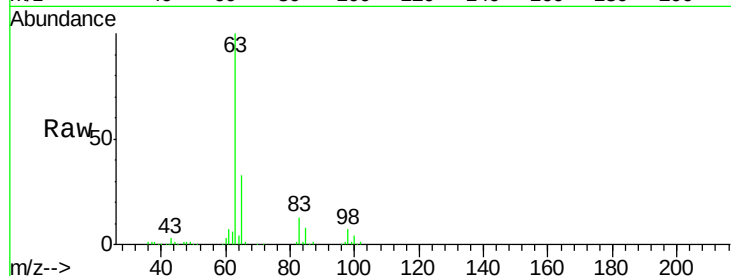
Tot Ion: 63 Resp: 245557

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

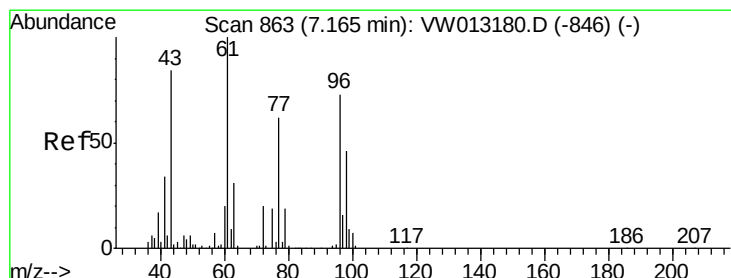
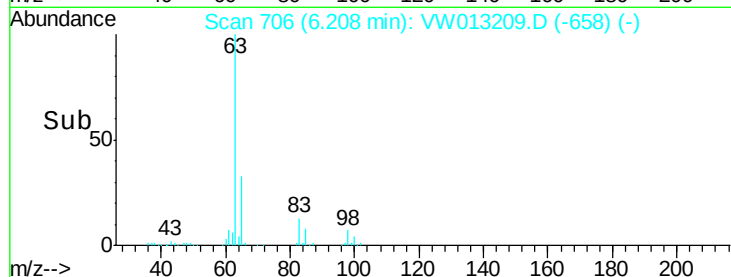
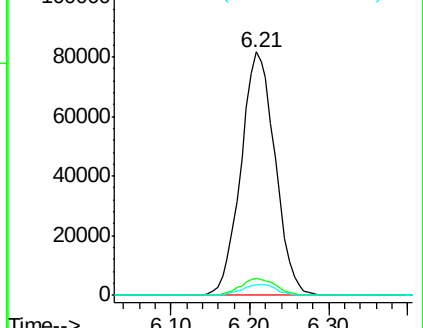
100 4.3 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 300.202 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013209.D

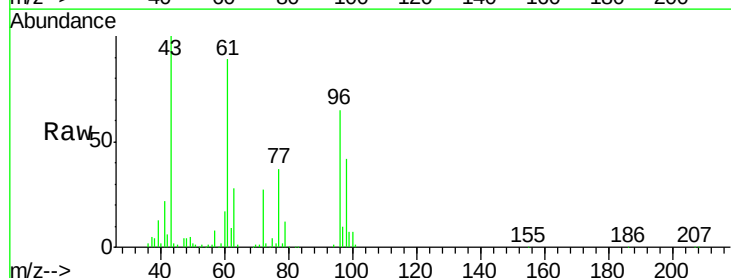
Acq: 21 Sep 2019 03:29

Tgt Ion: 43 Resp: 216824

Ion Ratio Lower Upper

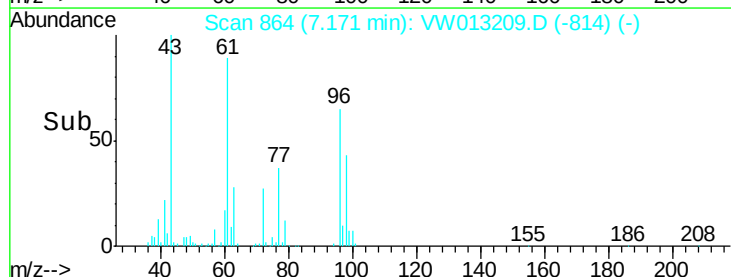
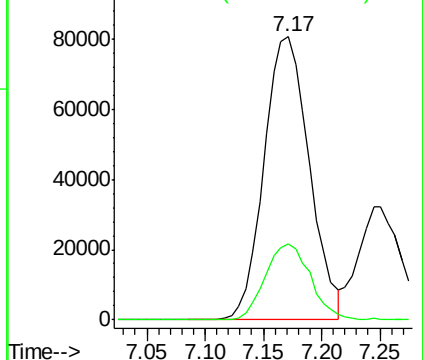
43 100

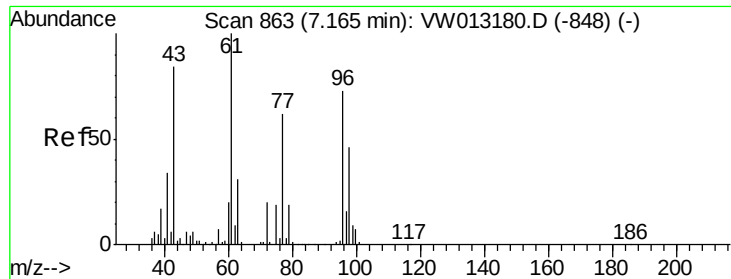
72 26.6 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

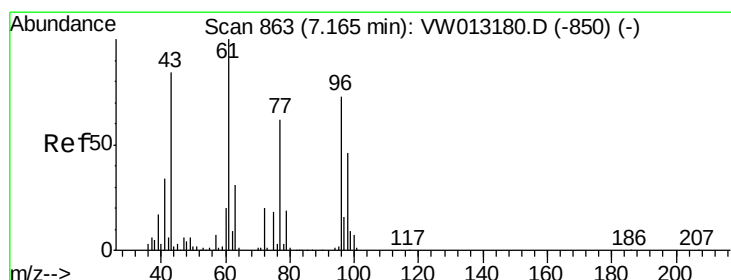
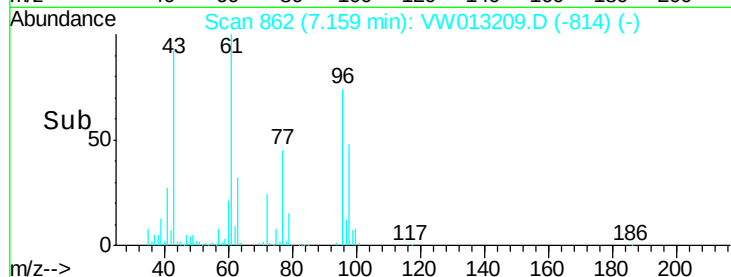
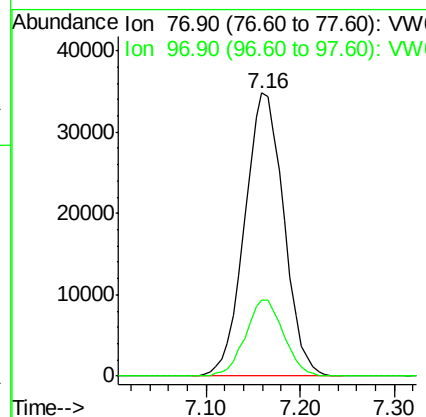
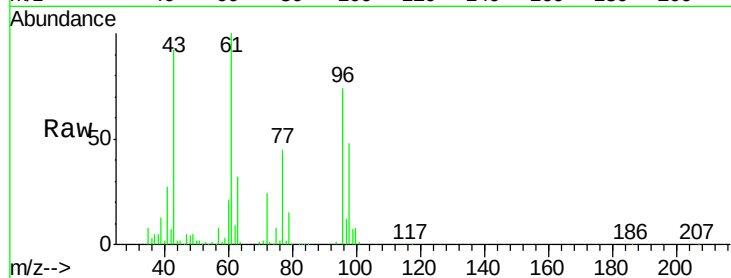




#26
 2,2-Dichloropropane
 Concen: 37.083 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

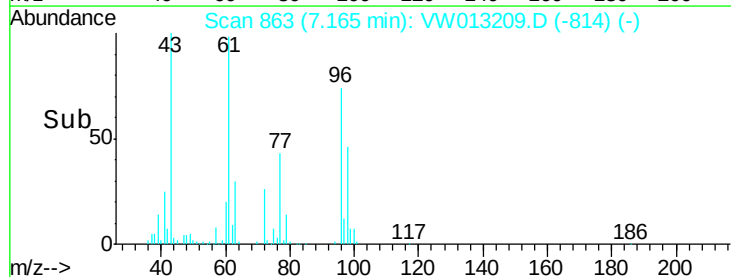
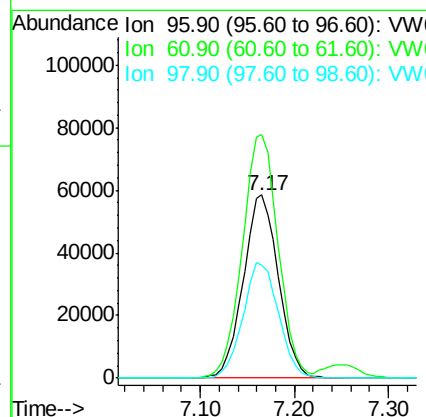
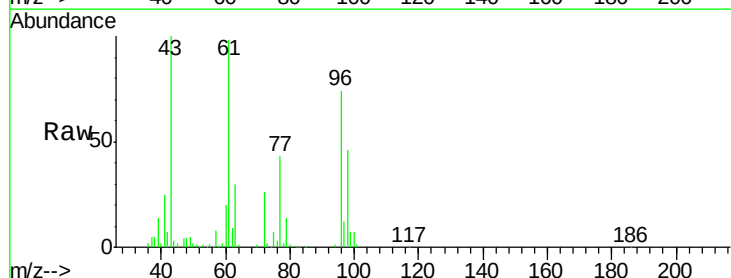
Instrument :
 MSVOA_W
 ClientSampleId :

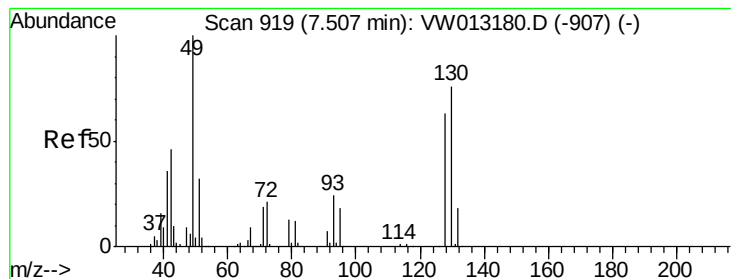
Tot Ion: 77 Resp: 100721
 Ion Ratio Lower Upper
 77 100
 97 26.2 11.8 35.4



#27
 cis-1,2-Dichloroethene
 Concen: 54.955 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion: 96 Resp: 152279
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 282.4
 98 64.3 0.0 128.2





#28

Bromochloromethane

Concen: 65.473 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :
MSVOA_W
ClientSampled :

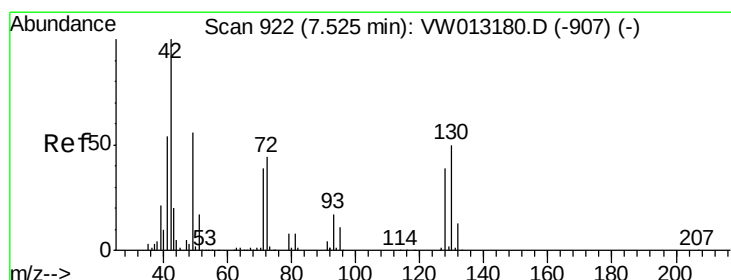
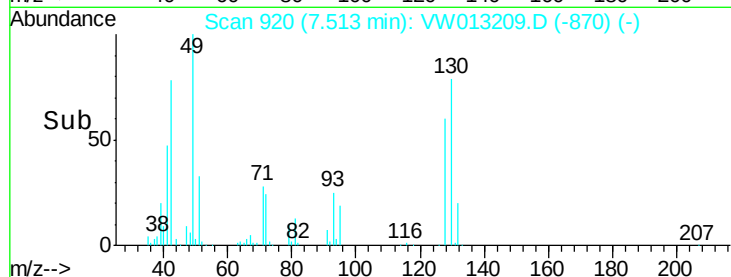
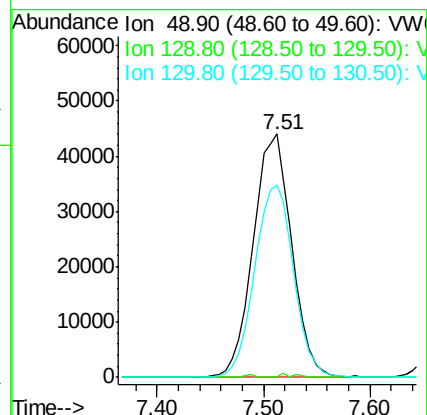
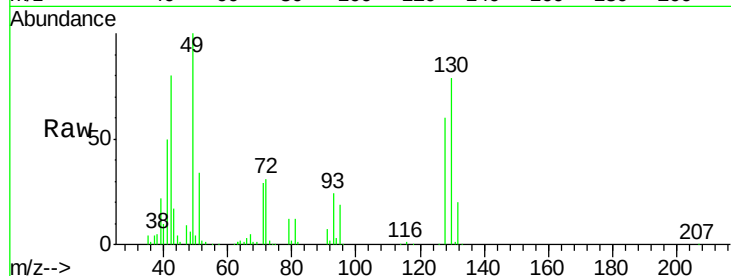
Tot Ion: 49 Resp: 111484

Ion Ratio Lower Upper

49 100

129 0.6 0.0 1.0

130 80.0 63.4 95.2



#29

Tetrahydrofuran

Concen: 318.397 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

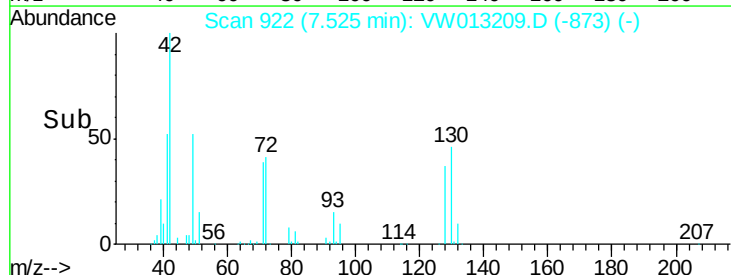
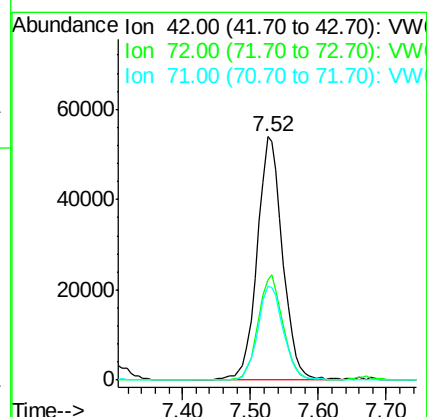
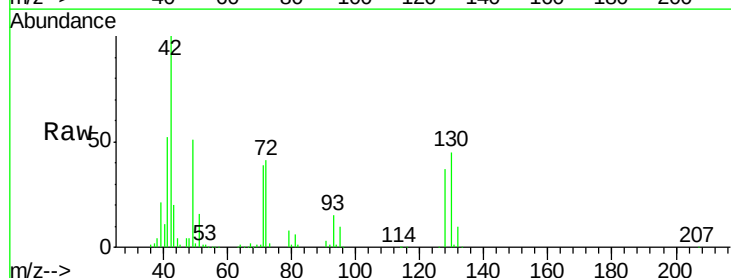
Tgt Ion: 42 Resp: 141030

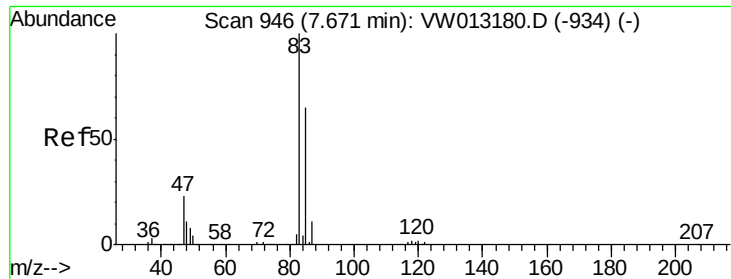
Ion Ratio Lower Upper

42 100

72 42.1 33.9 50.9

71 39.0 31.9 47.9

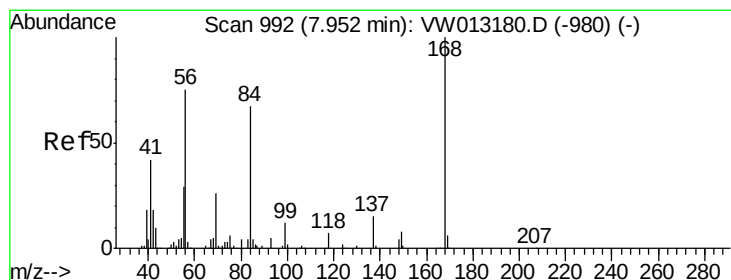
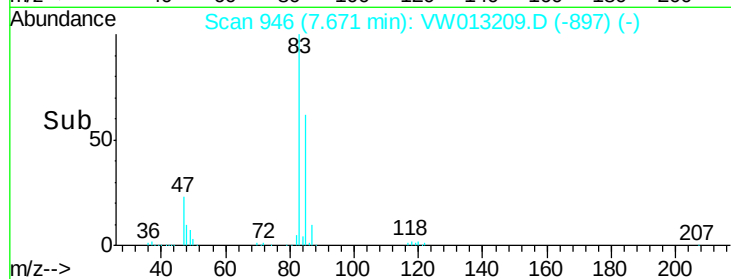
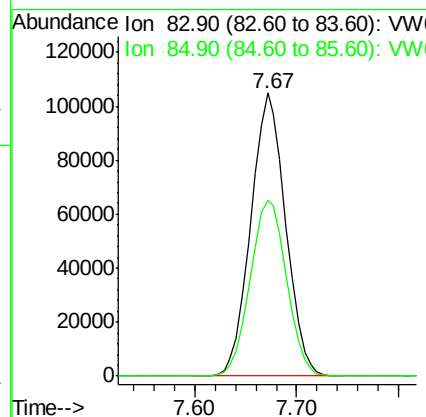
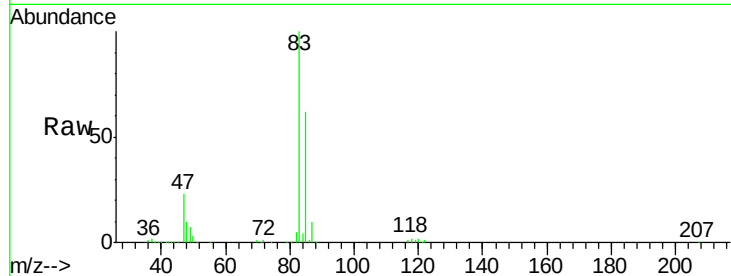




#30
Chloroform
Concen: 57.292 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

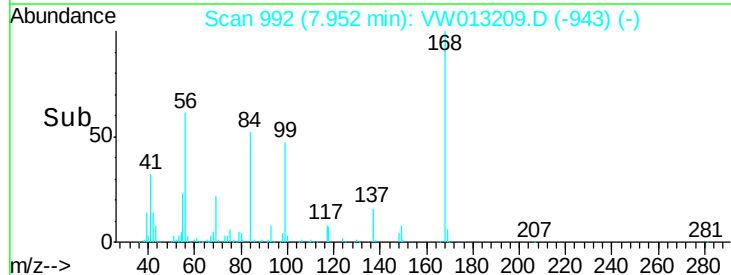
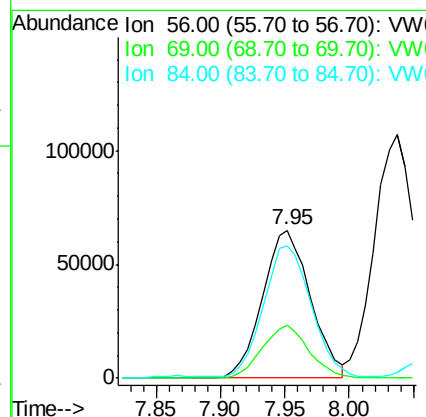
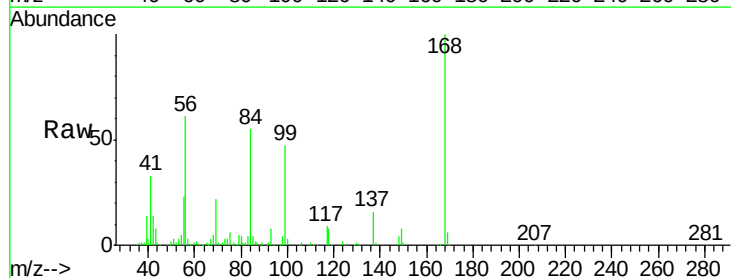
Instrument :
MSVOA_W
ClientSampled :

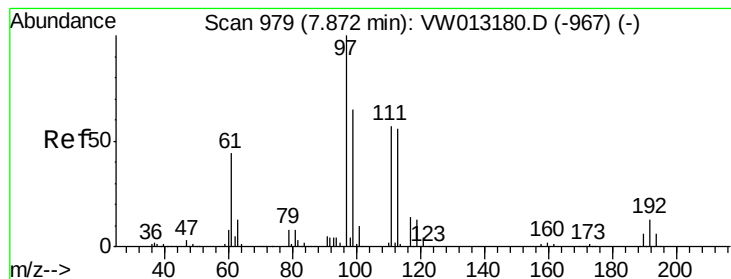
Tot Ion: 83 Resp: 248852
Ion Ratio Lower Upper
83 100
85 62.1 52.3 78.5



#31
Cyclohexane
Concen: 36.267 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 56 Resp: 167722
Ion Ratio Lower Upper
56 100
69 36.2 27.2 40.8
84 88.1 70.8 106.2





#32

1,1,1-Trichloroethane

Concen: 52.519 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

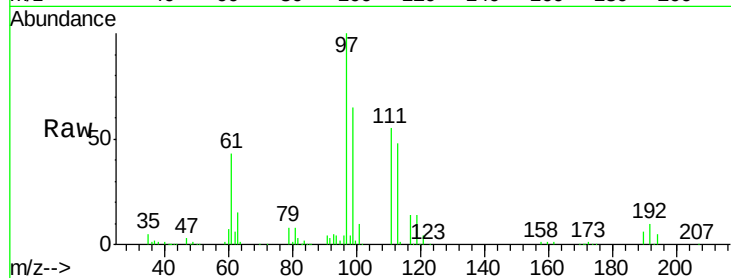
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 184756

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	42.1	34.6	51.8

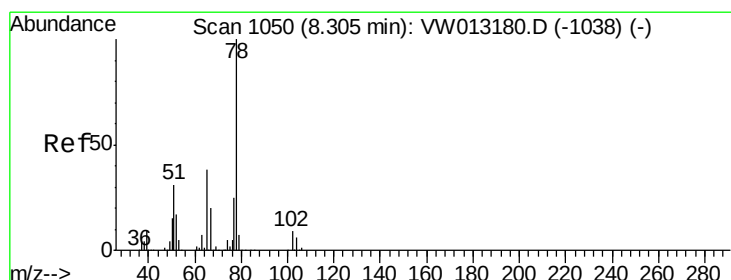
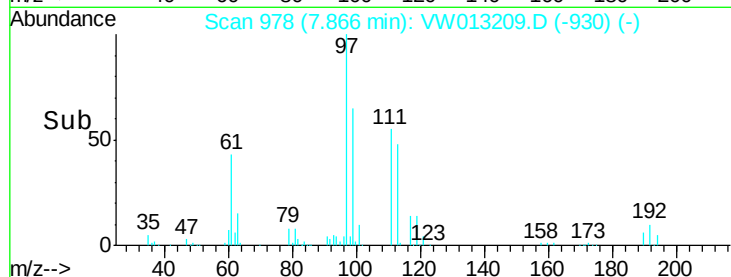
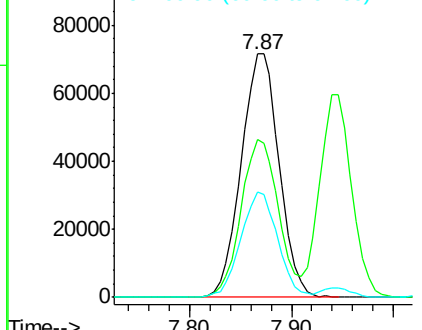


Abundance

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: 63.053 ug/l

RT: 8.30 min Scan# 1049

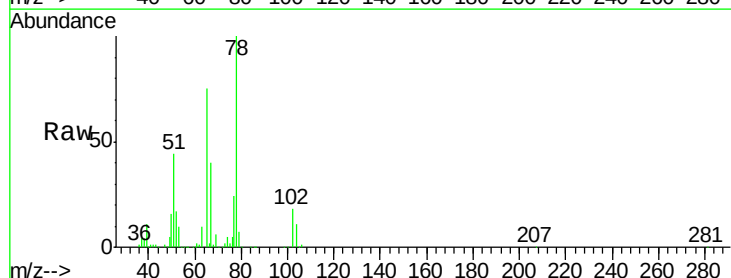
Delta R.T. -0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Tgt Ion: 65 Resp: 134525

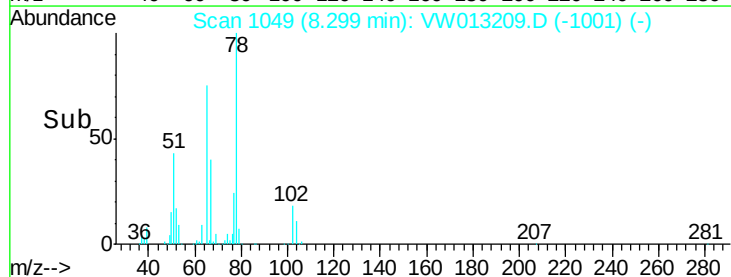
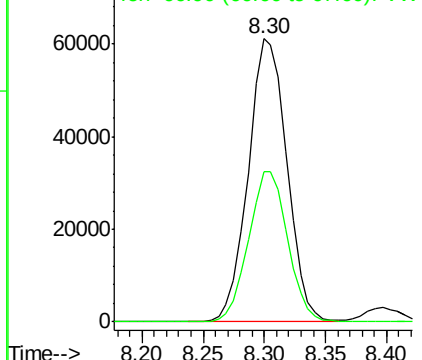
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.2

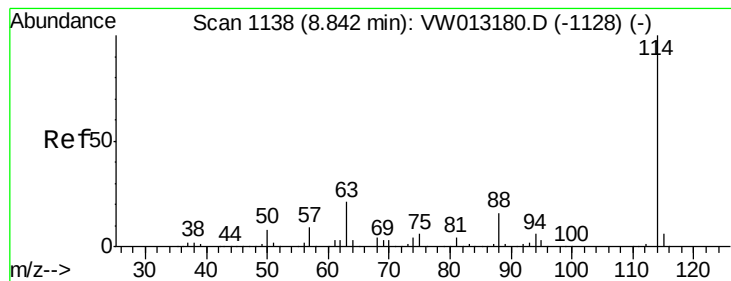


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

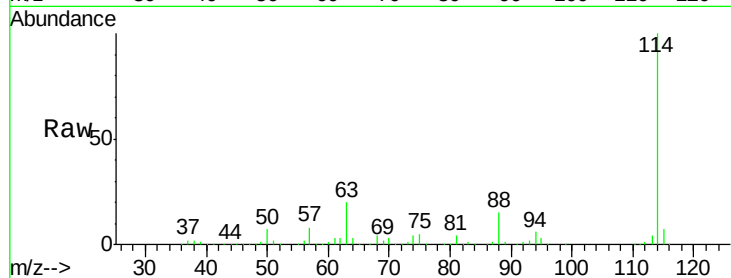
Tot Ion:114 Resp: 455971

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

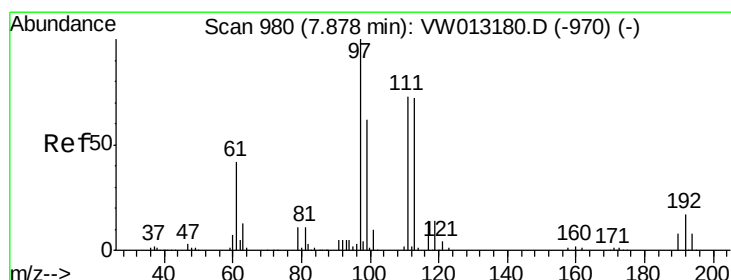
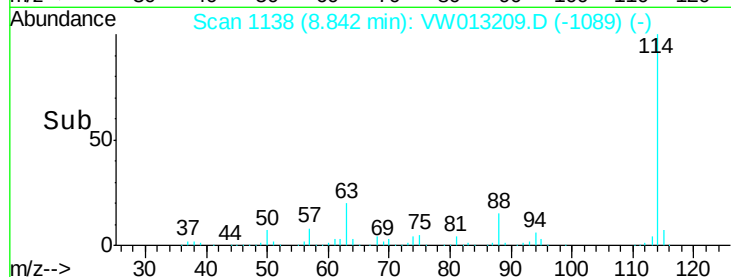
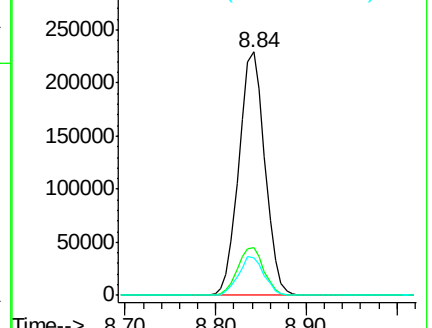
88 15.5 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.528 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

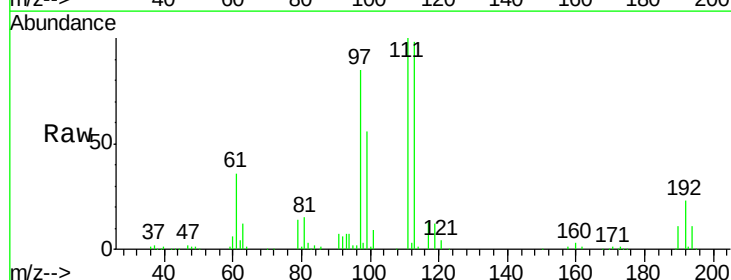
Tgt Ion:113 Resp: 131732

Ion Ratio Lower Upper

113 100

111 105.2 81.9 122.9

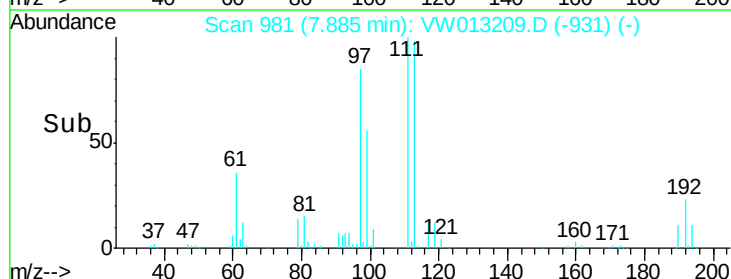
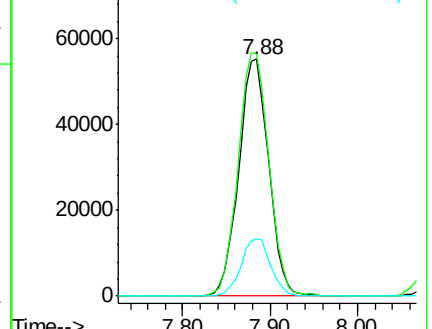
192 24.0 19.1 28.7

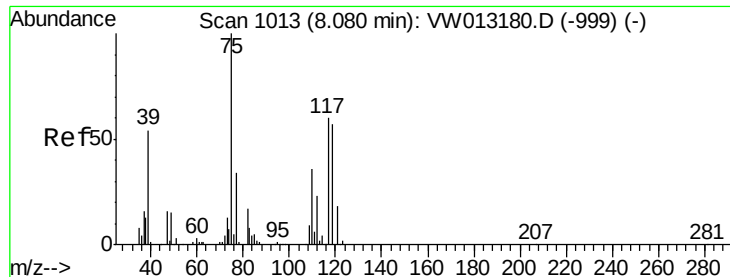


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 36.203 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

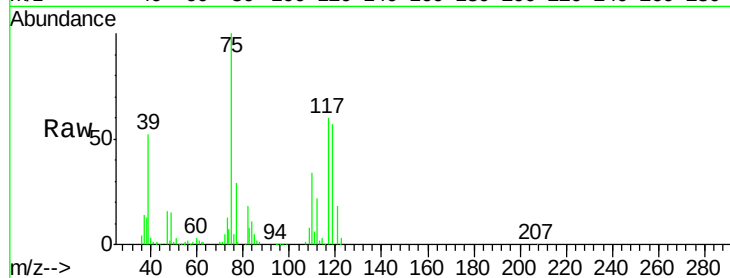
Tot Ion: 75 Resp: 159887

Ion Ratio Lower Upper

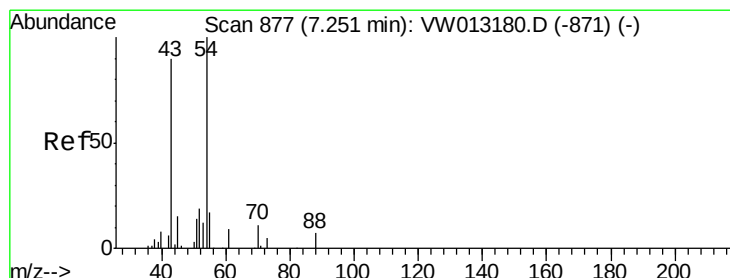
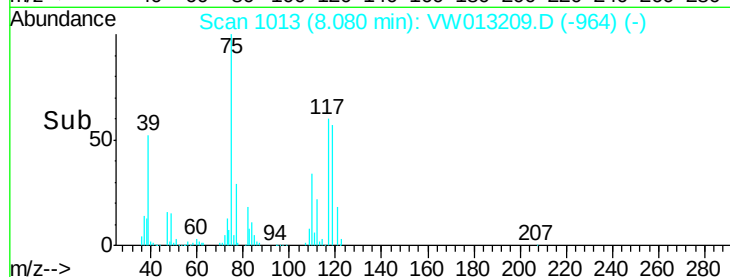
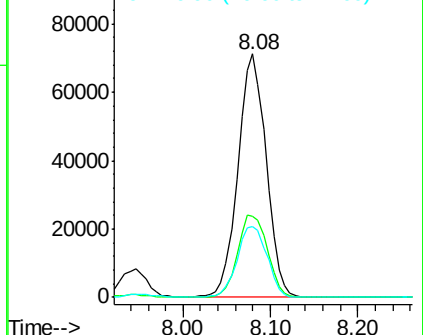
75 100

110 35.7 18.1 54.3

77 31.1 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): VW
Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 44.894 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

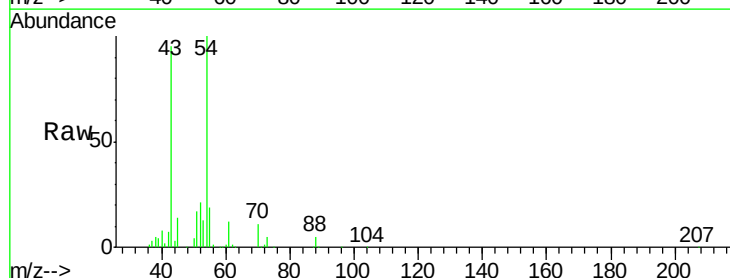
Tgt Ion: 43 Resp: 84266

Ion Ratio Lower Upper

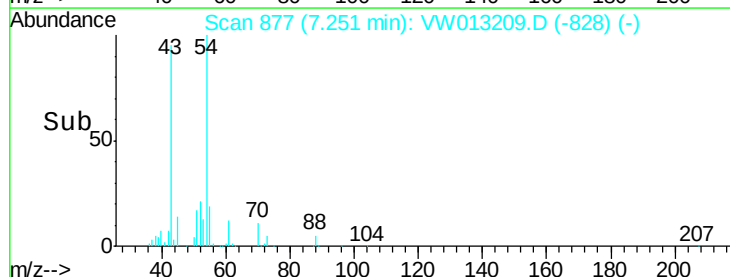
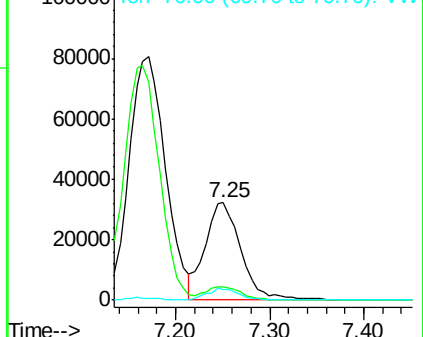
43 100

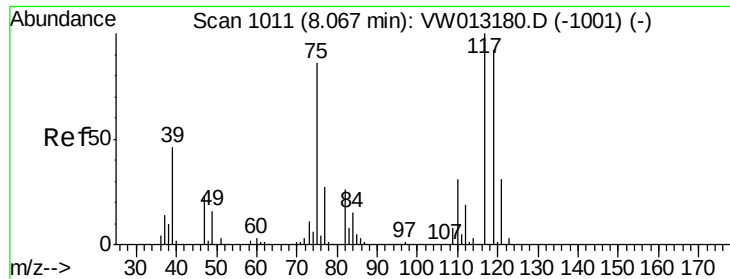
61 13.8 10.9 16.3

70 10.3 8.2 12.2



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

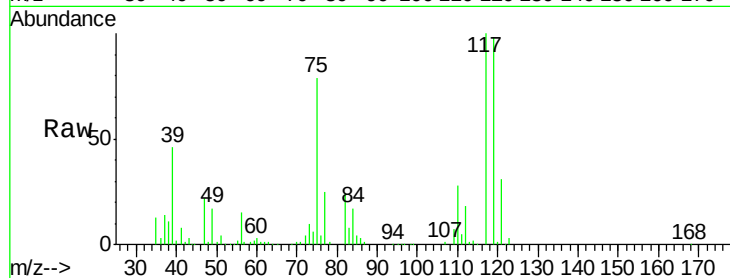




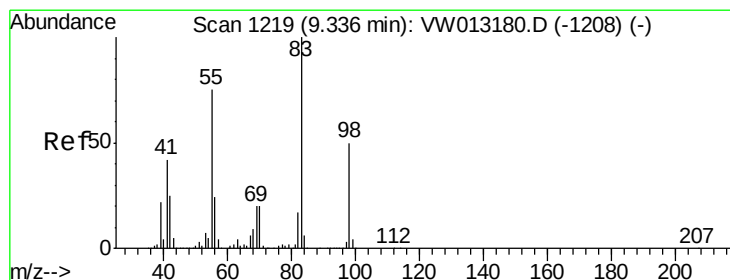
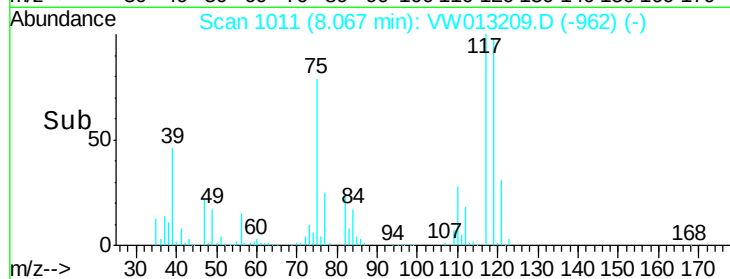
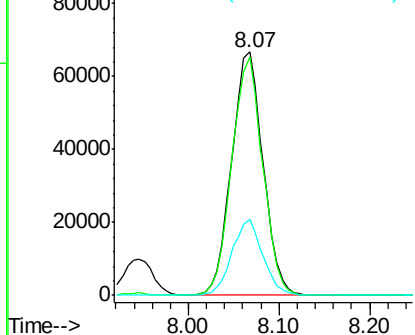
#38
Carbon Tetrachloride
Concen: 40.466 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 160204
Ion Ratio Lower Upper
117 100
119 98.2 73.5 110.3
121 31.2 25.0 37.6

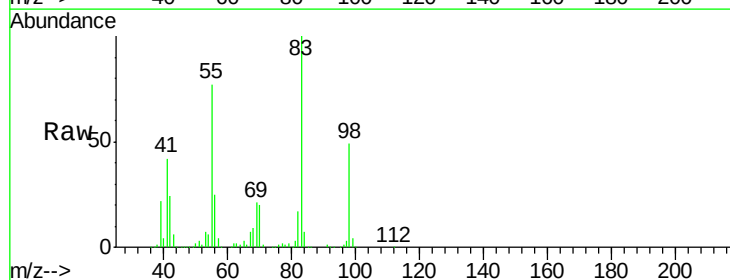


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

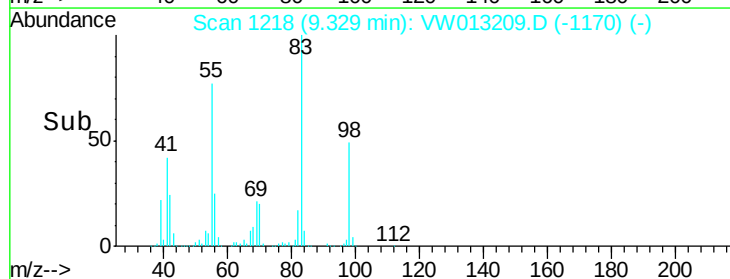
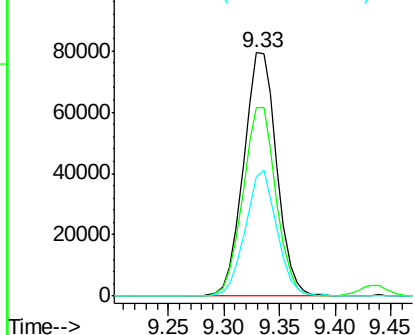


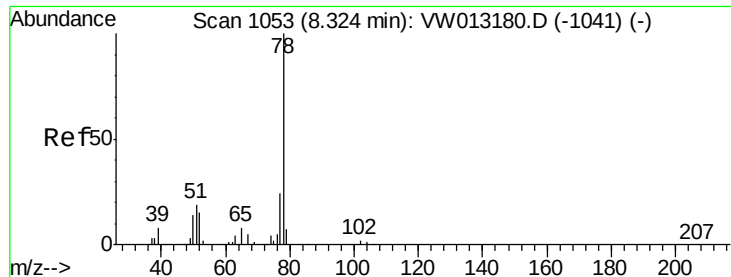
#39
Methylcyclohexane
Concen: 28.984 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 83 Resp: 164499
Ion Ratio Lower Upper
83 100
55 77.4 60.4 90.6
98 48.9 40.0 60.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 42.795 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

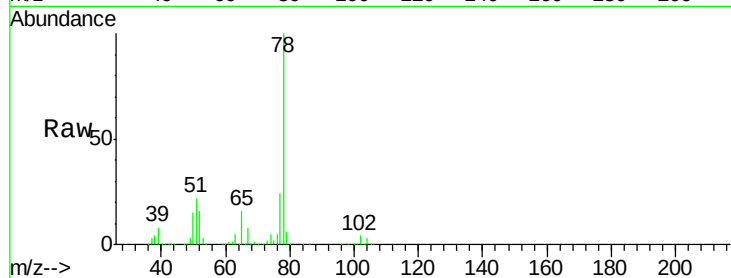
ClientSampled :

Tot Ion: 78 Resp: 527172

Ion Ratio Lower Upper

78 100

77 23.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

8.32

250000

200000

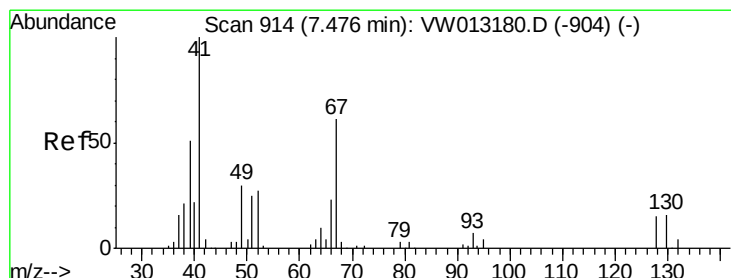
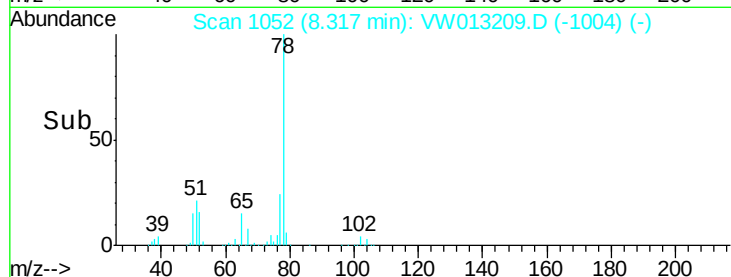
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 53.003 ug/l

RT: 7.48 min Scan# 914

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Tgt Ion: 41 Resp: 59376

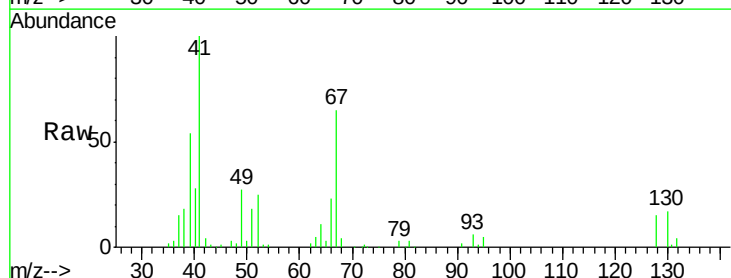
Ion Ratio Lower Upper

41 100

39 57.3 45.9 68.9

67 69.0 54.5 81.7

52 27.3 22.5 33.7



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

40000

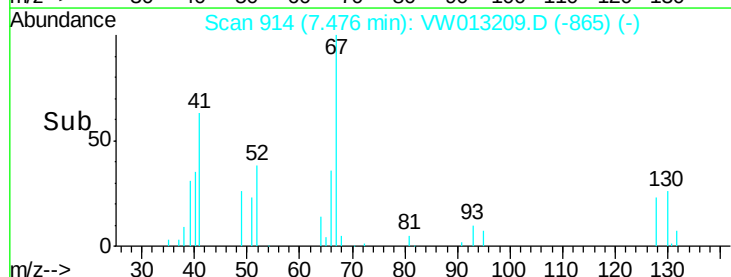
30000

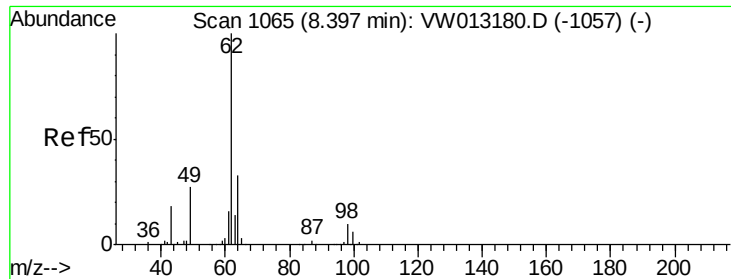
20000

10000

0

Time-->

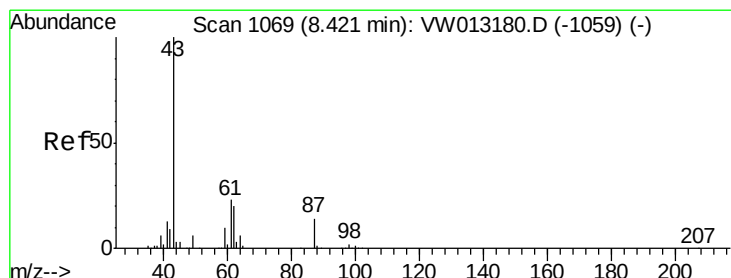
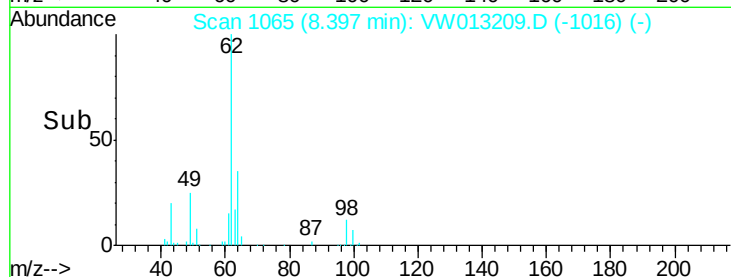
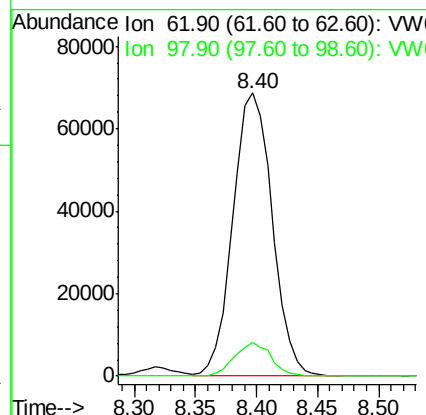
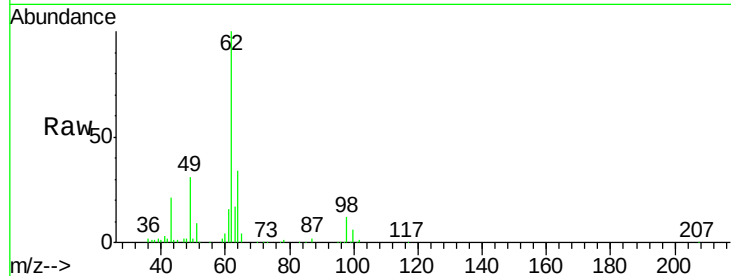




#42
 1,2-Dichloroethane
 Concen: 46.201 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

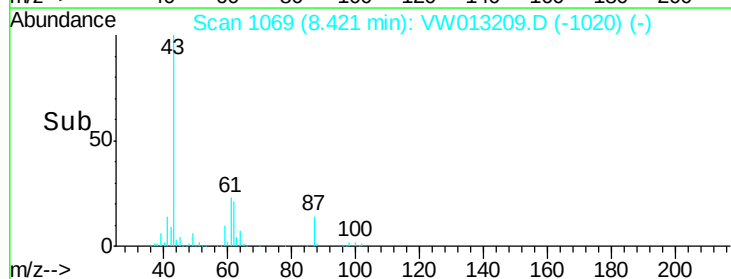
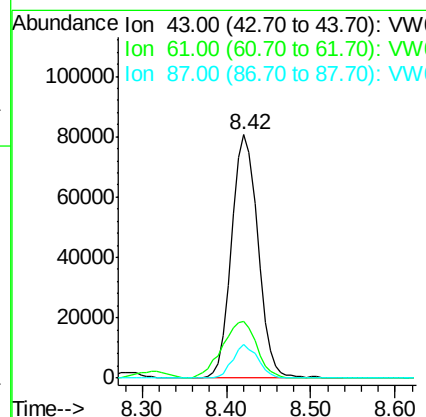
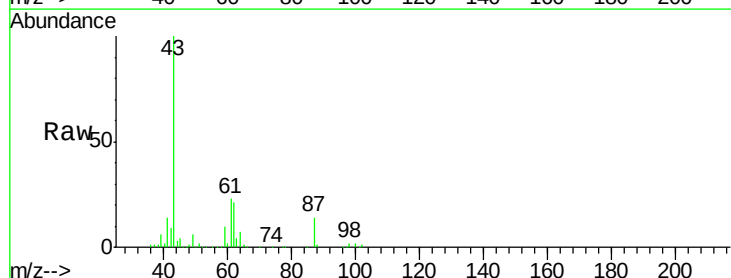
Instrument :
 MSVOA_W
 ClientSampleId :

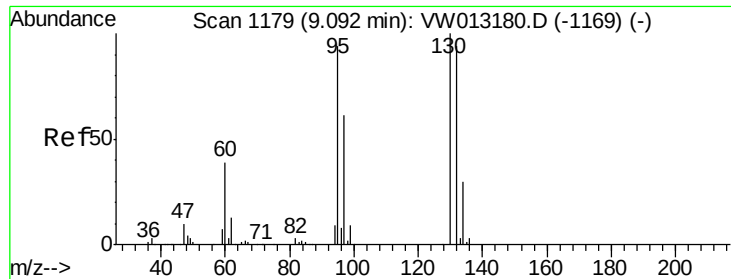
Tot Ion: 62 Resp: 152996
 Ion Ratio Lower Upper
 62 100
 98 11.1 0.0 20.6



#43
 Isopropyl Acetate
 Concen: 47.361 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion: 43 Resp: 170378
 Ion Ratio Lower Upper
 43 100
 61 30.3 25.5 38.3
 87 13.4 11.0 16.4





#44

Trichloroethene

Concen: 65.068 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

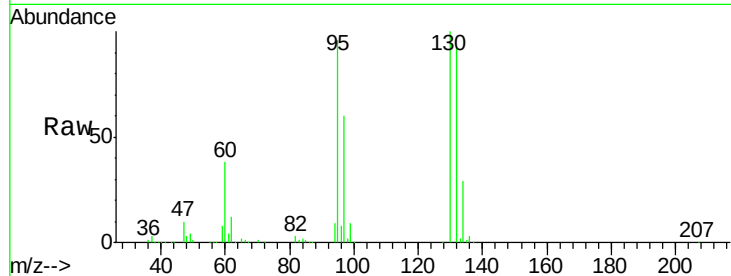
ClientSampled :

Tot Ion:130 Resp: 224891

Ion Ratio Lower Upper

130 100

95 96.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

120000

100000

80000

60000

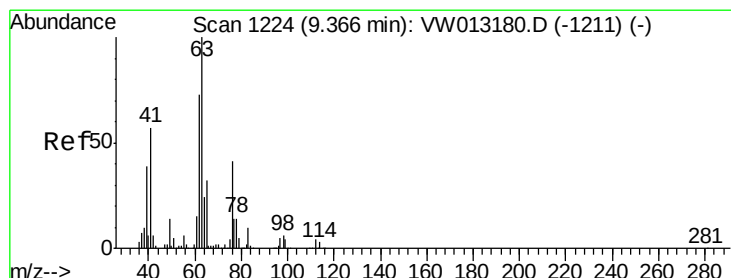
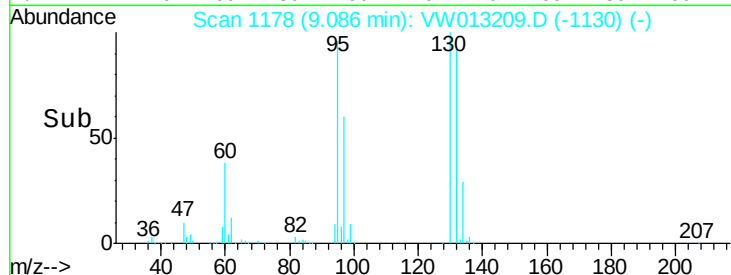
40000

20000

0

Time-->

9.00 9.10 9.20



#45

1,2-Dichloropropane

Concen: 47.321 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013209.D

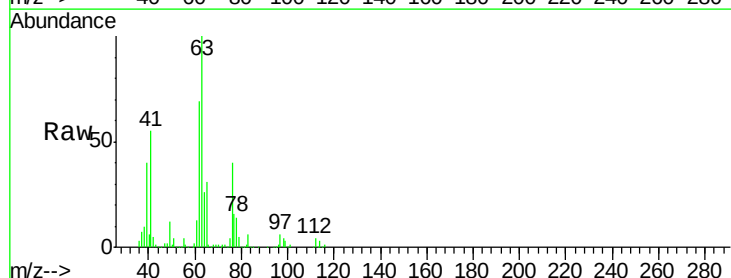
Acq: 21 Sep 2019 03:29

Tgt Ion: 63 Resp: 142319

Ion Ratio Lower Upper

63 100

65 31.0 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

80000

60000

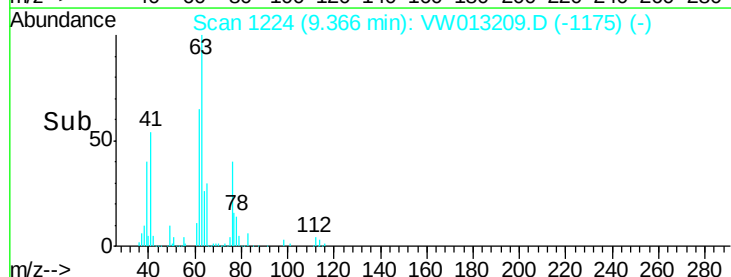
40000

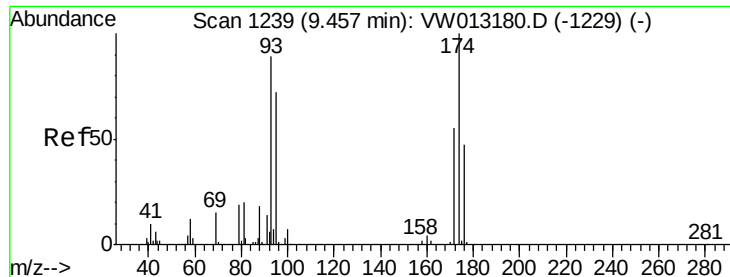
20000

0

Time-->

9.30 9.40





#46

Dibromomethane

Concen: 46.223 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

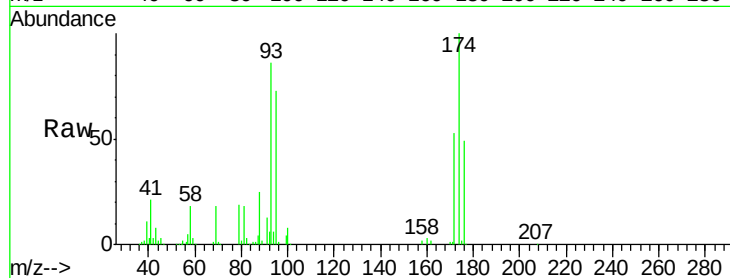
Tot Ion: 93 Resp: 67491

Ion Ratio Lower Upper

93 100

95 84.9 66.4 99.6

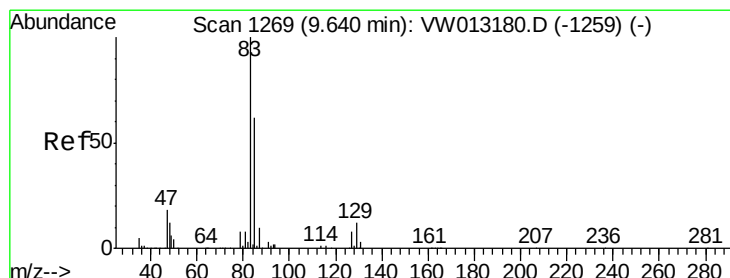
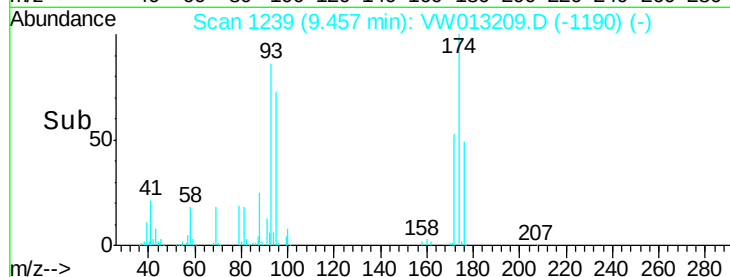
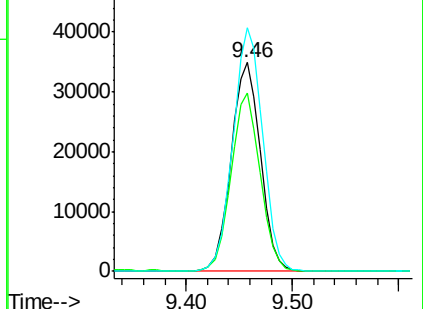
174 118.1 93.0 139.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 49.301 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

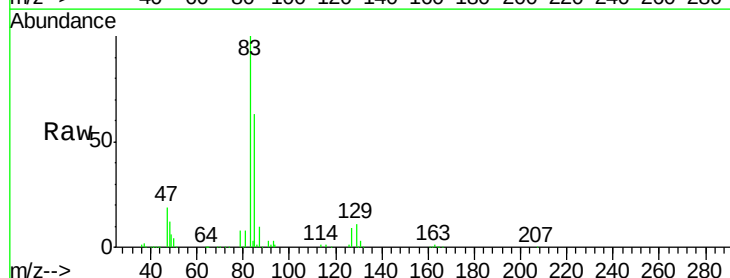
Tgt Ion: 83 Resp: 183173

Ion Ratio Lower Upper

83 100

85 62.6 49.4 74.2

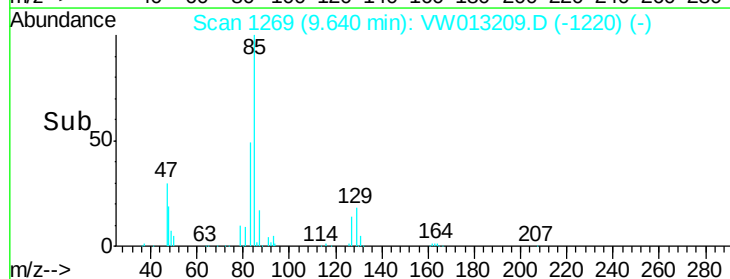
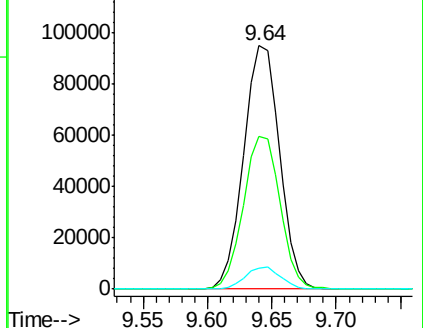
127 8.6 6.5 9.7

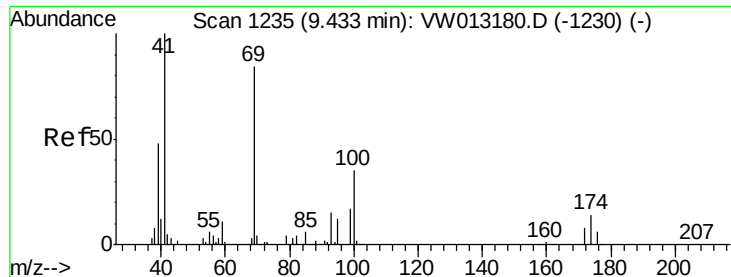


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

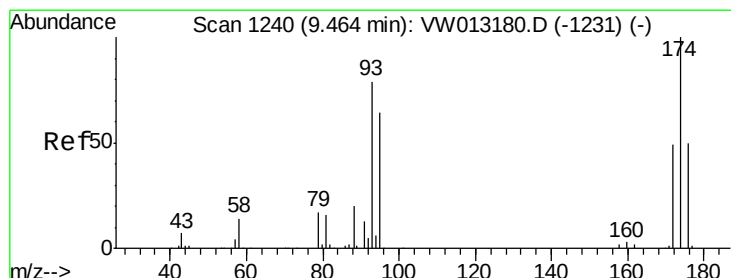
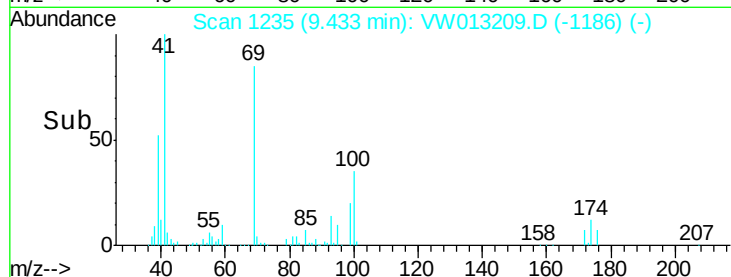
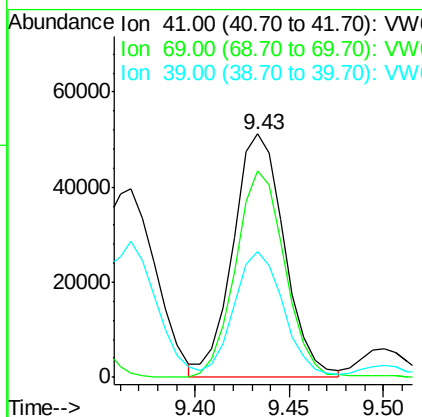
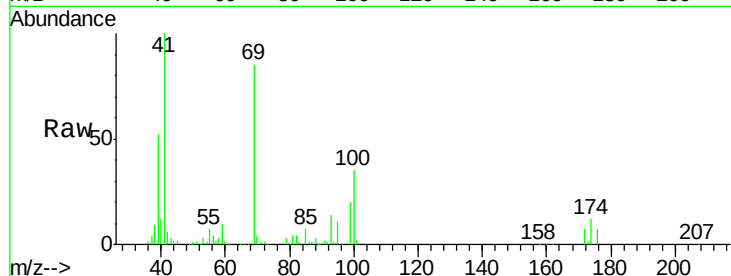




#48
Methvl methacrylate
Concen: 56.960 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

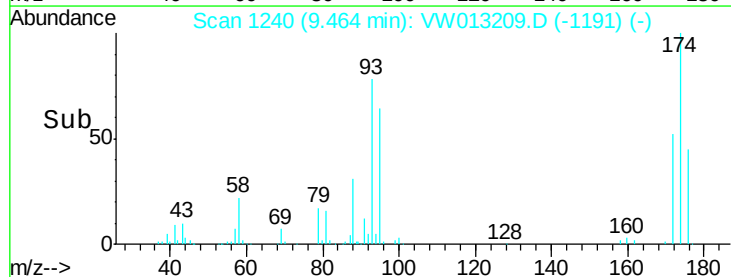
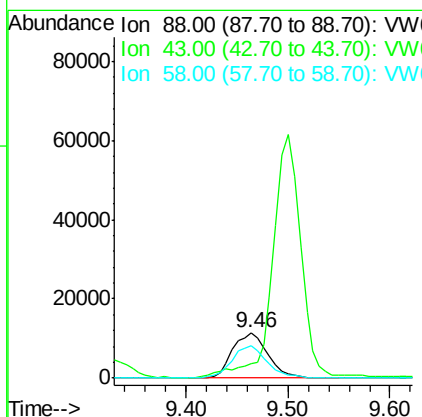
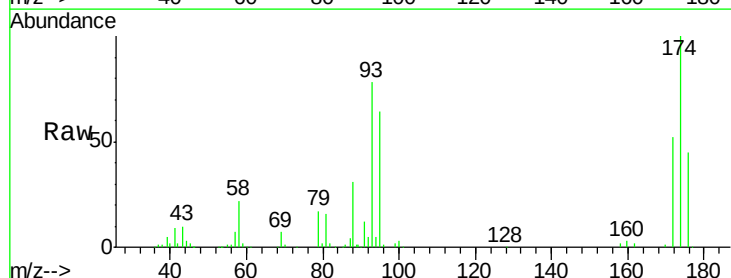
Instrument :
MSVOA_W
ClientSampleId :

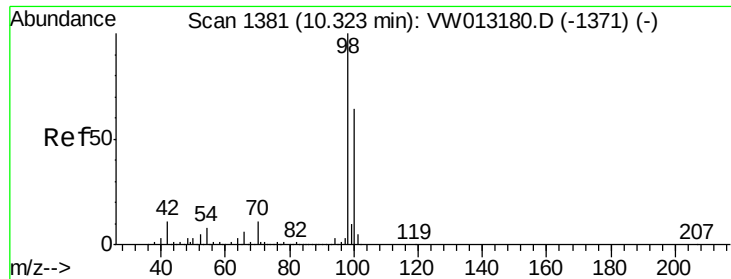
Tot Ion: 41 Resp: 96352
Ion Ratio Lower Upper
41 100
69 81.6 69.7 104.5
39 50.0 41.1 61.7



#49
1,4-Dioxane
Concen: 1252.328 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 88 Resp: 27448
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 71.6 65.4 98.0

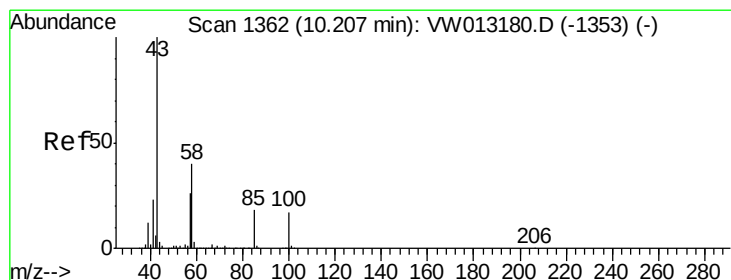
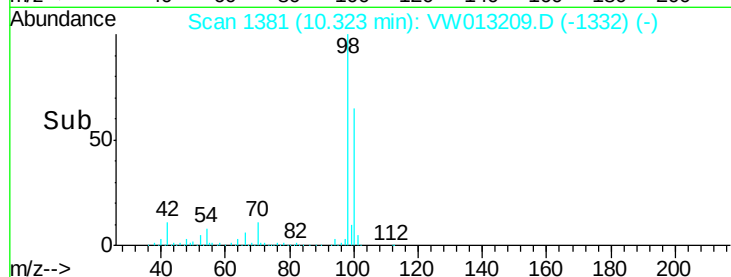
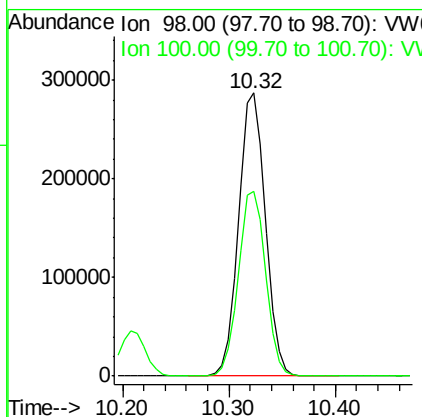
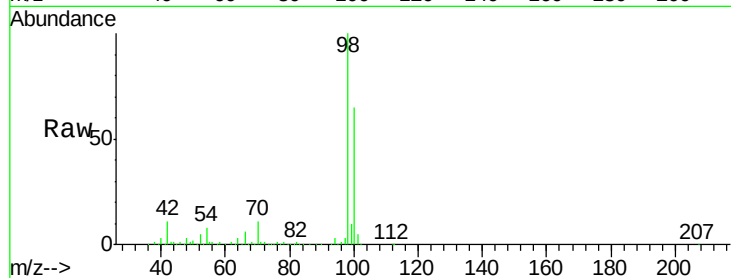




#50
Toluene-d8
Concen: 48.390 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

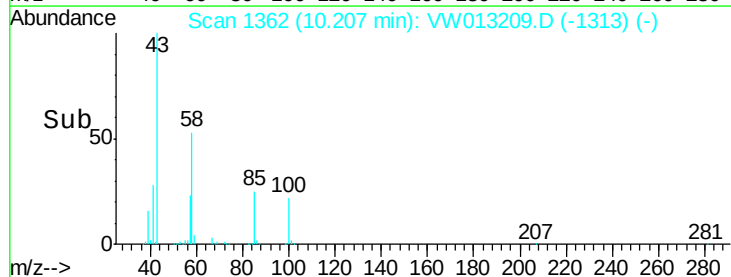
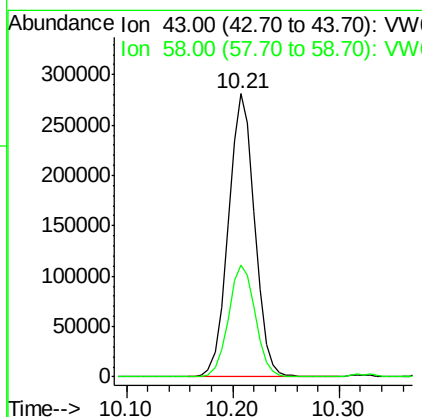
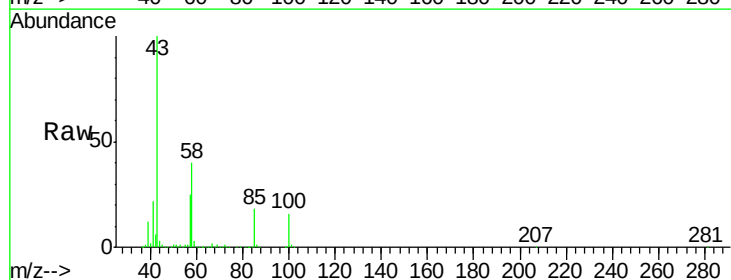
Instrument :
MSVOA_W
ClientSampleId :

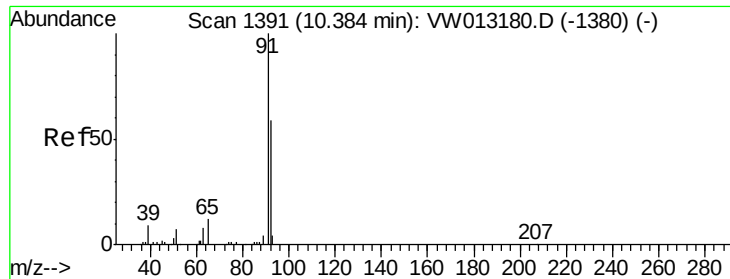
Tot Ion: 98 Resp: 507881
Ion Ratio Lower Upper
98 100
100 66.5 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 269.517 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 43 Resp: 486060
Ion Ratio Lower Upper
43 100
58 40.1 31.7 47.5





#52

Toluene

Concen: 41.666 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

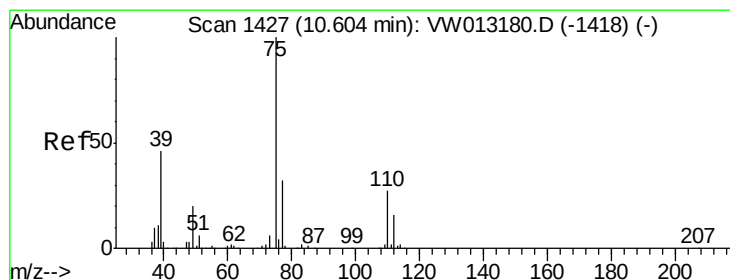
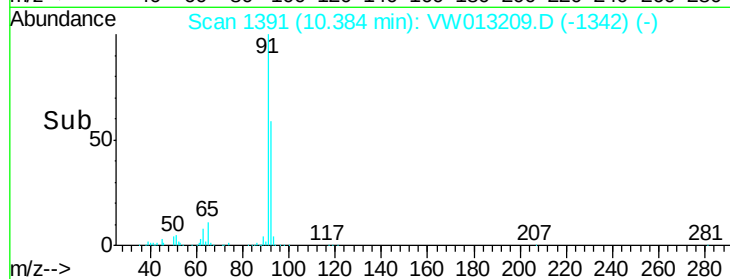
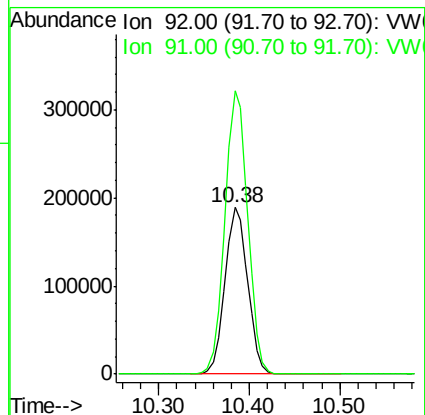
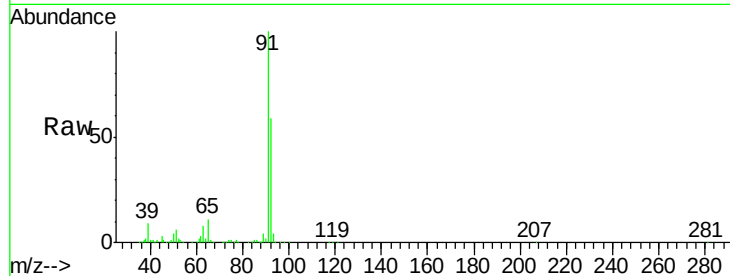
ClientSampleId :

Tot Ion: 92 Resp: 328952

Ion Ratio Lower Upper

92 100

91 170.5 135.7 203.5



#53

t-1,3-Dichloropropene

Concen: 41.772 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013209.D

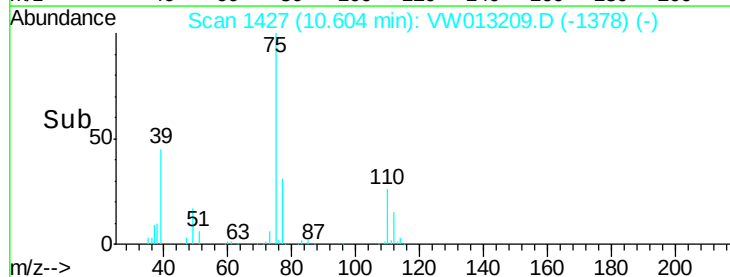
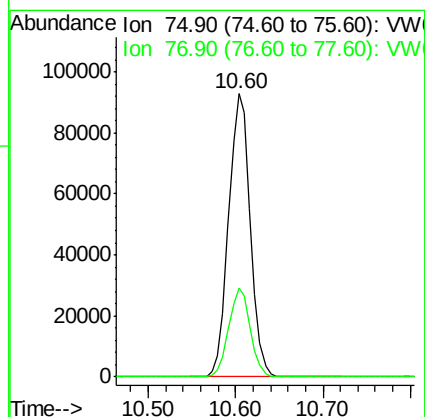
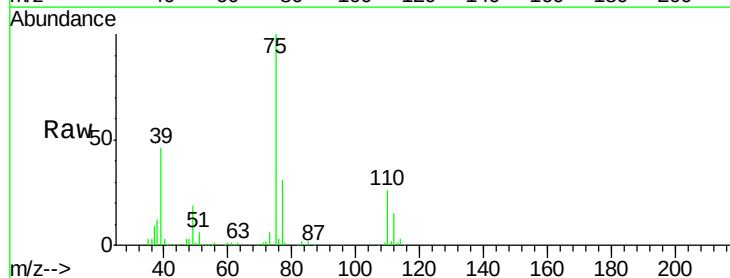
Acq: 21 Sep 2019 03:29

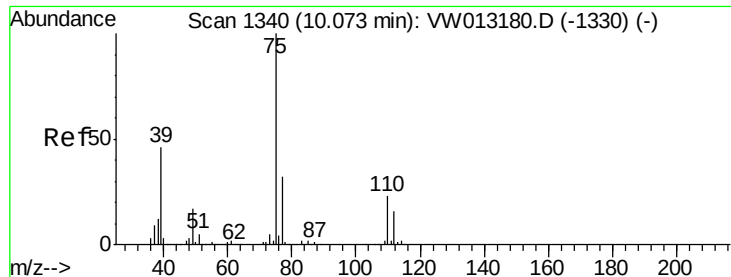
Tgt Ion: 75 Resp: 159449

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3





#54

cis-1,3-Dichloropropene

Concen: 41.974 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

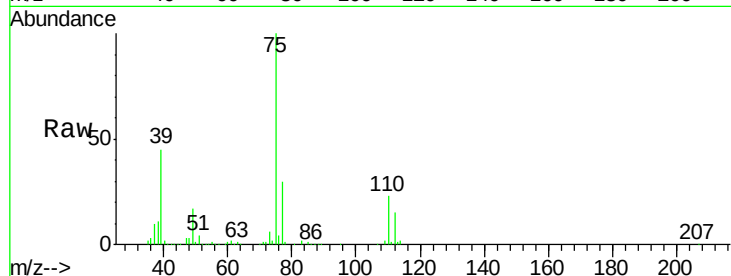
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 75 Resp: 194811

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.2	37.8
39	44.5	36.6	55.0

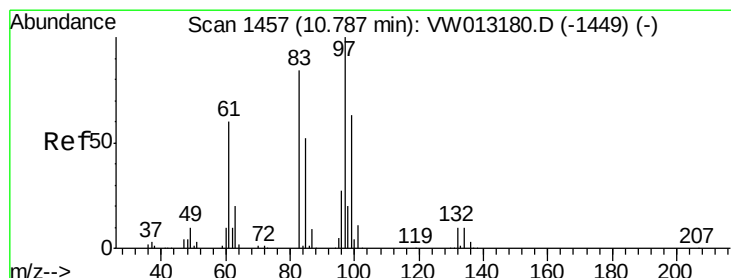
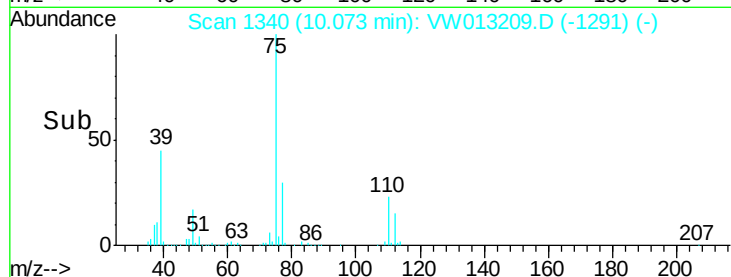
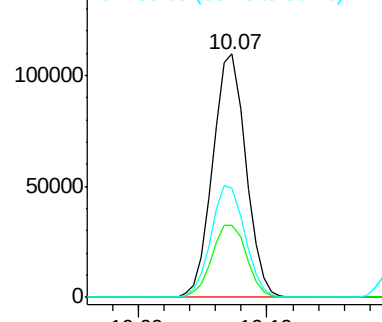


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



#55

1,1,2-Trichloroethane

Concen: 50.112 ug/l

RT: 10.79 min Scan# 1458

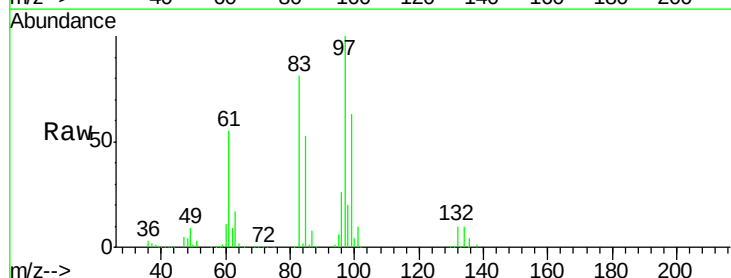
Delta R.T. 0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Tgt Ion: 97 Resp: 109366

Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.6	101.4
85	52.6	41.9	62.9
99	63.5	50.1	75.1



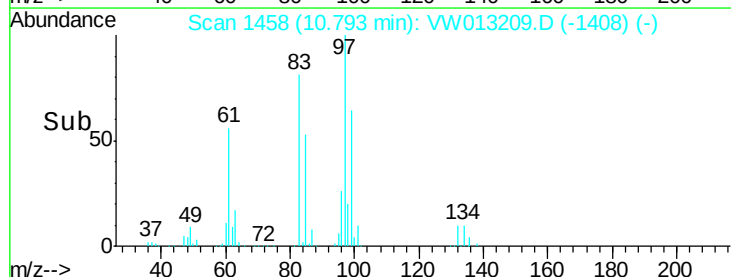
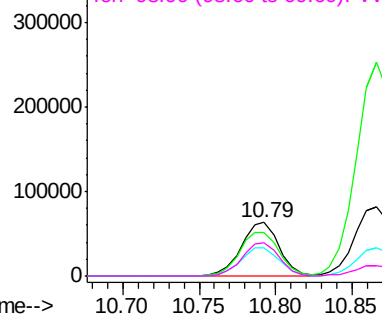
Abundance

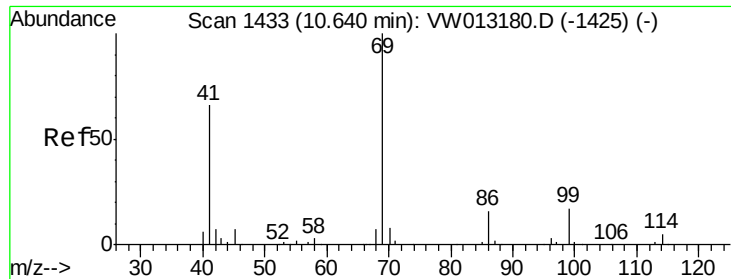
Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW





#56

Ethyl methacrylate

Concen: 44.445 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

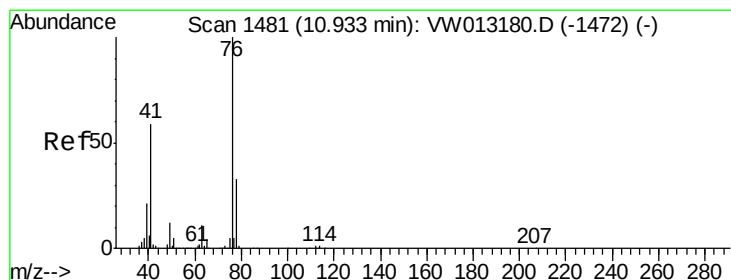
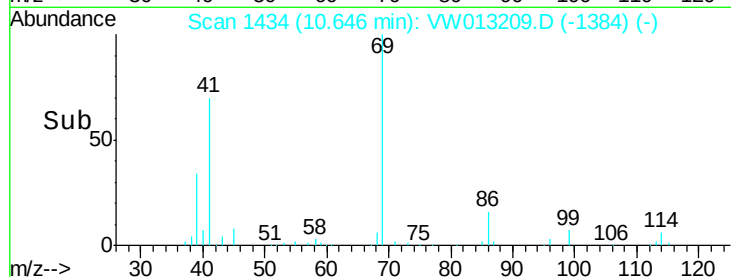
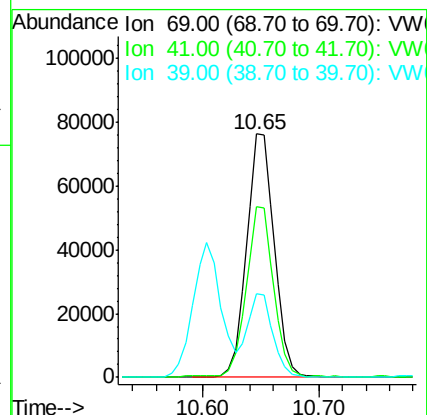
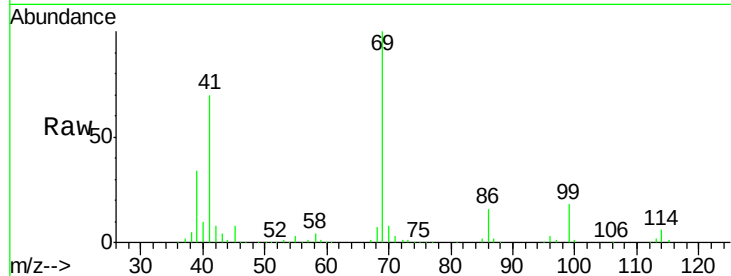
Tot Ion: 69 Resp: 126943

Ion Ratio Lower Upper

69 100

41 68.1 53.9 80.9

39 31.9 23.8 35.6



#57

1,3-Dichloropropane

Concen: 44.999 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013209.D

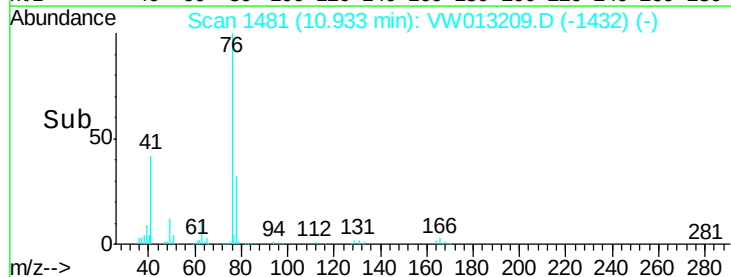
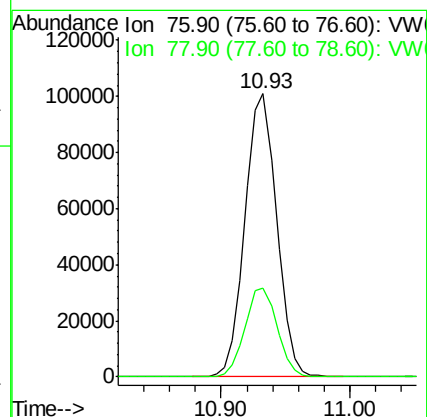
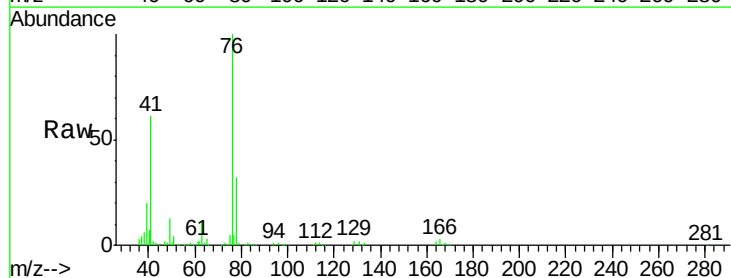
Acq: 21 Sep 2019 03:29

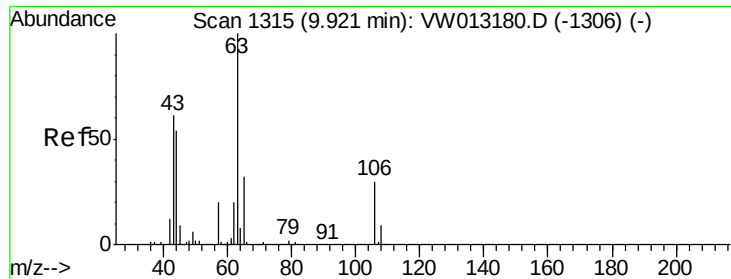
Tgt Ion: 76 Resp: 171375

Ion Ratio Lower Upper

76 100

78 32.1 25.5 38.3

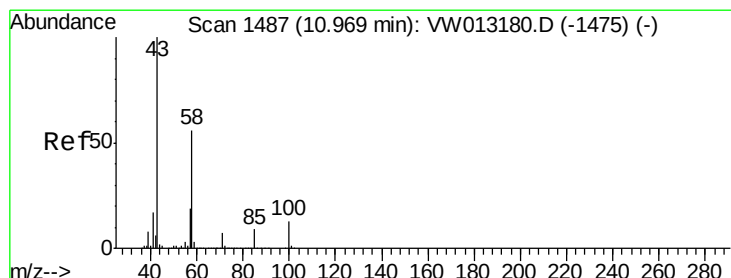
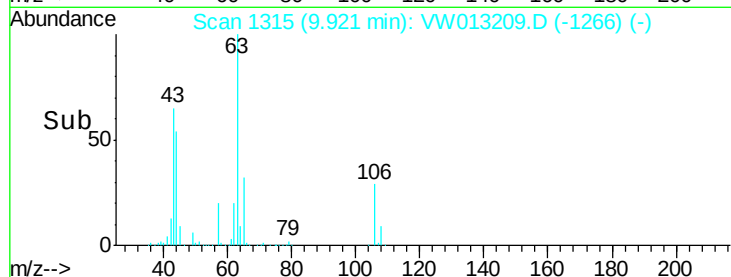
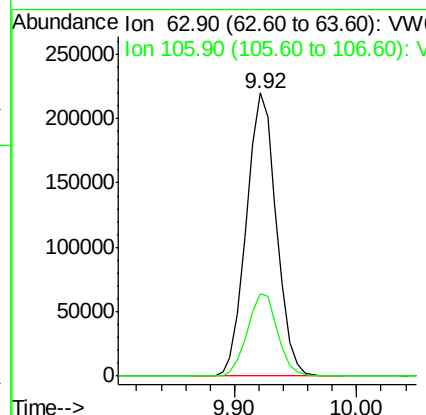
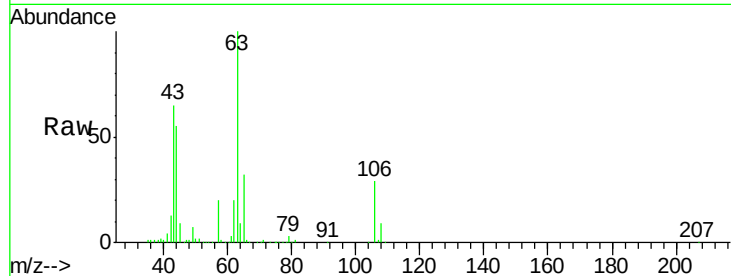




#58
 2-Chloroethyl Vinyl ether
 Concen: 283.418 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

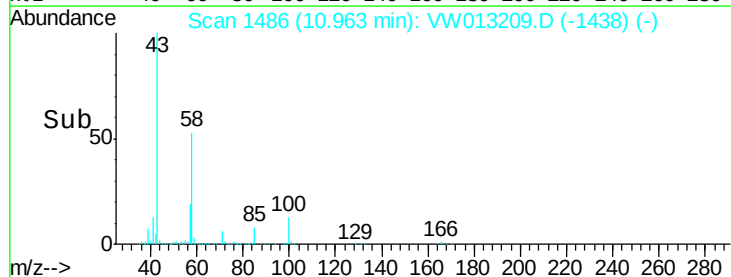
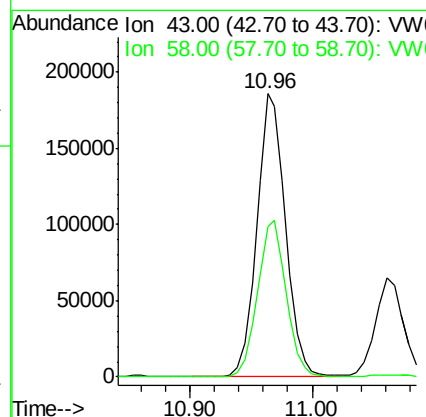
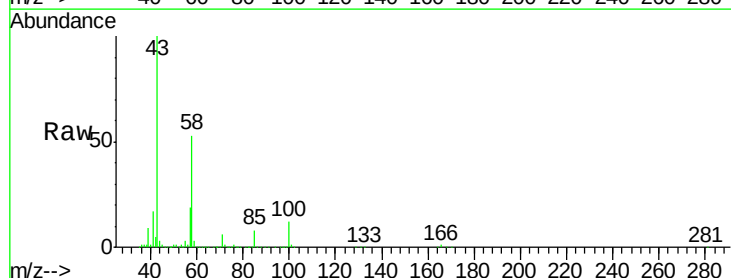
Instrument :
 MSVOA_W
 ClientSampleId :

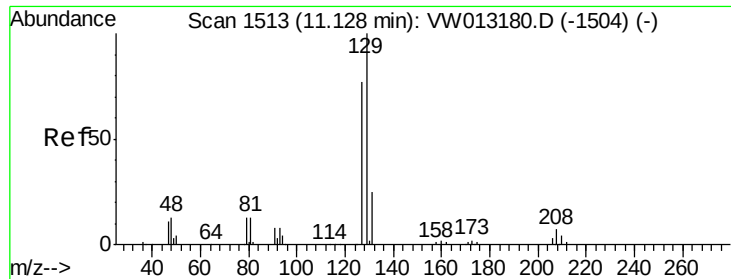
Tot Ion: 63 Resp: 374755
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.4 35.0



#59
 2-Hexanone
 Concen: 243.610 ug/l
 RT: 10.96 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion: 43 Resp: 302264
 Ion Ratio Lower Upper
 43 100
 58 55.6 28.1 84.2

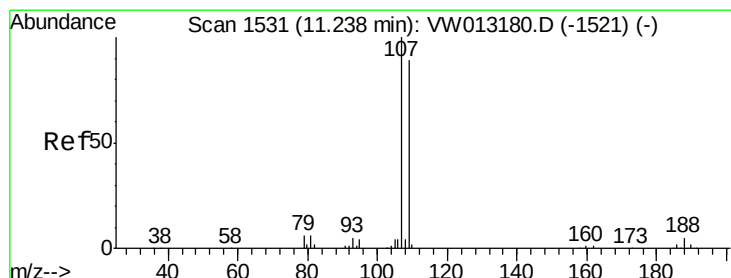
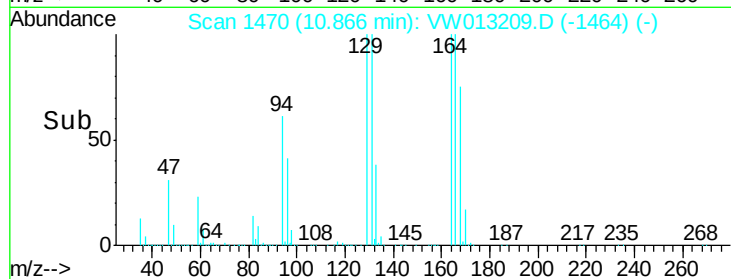
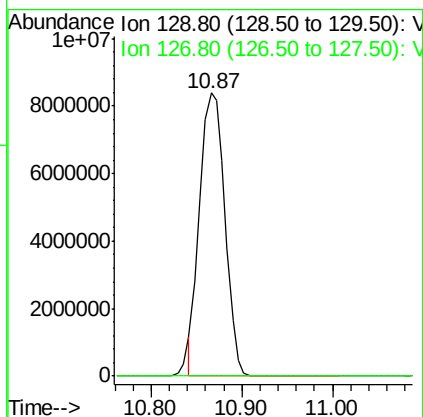
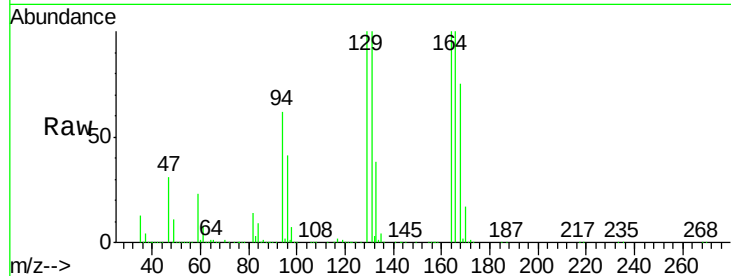




#60
 Dibromochloromethane
 Concen: 6593.506 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.26 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

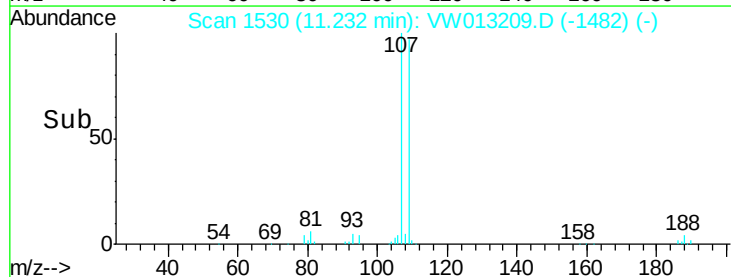
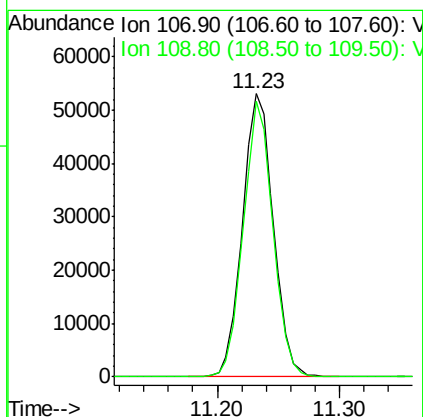
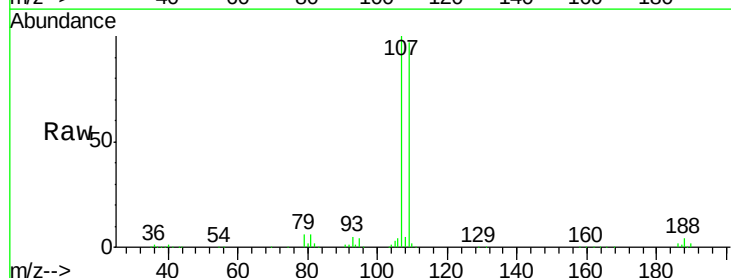
Instrument :
 MSVOA_W
 ClientSampleId :

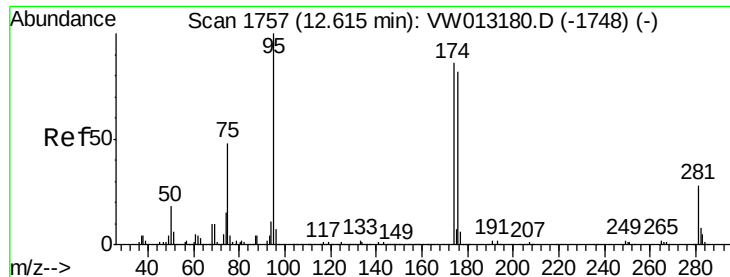
Tot Ion:129 Resp:16339481
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.4#



#61
 1,2-Dibromoethane
 Concen: 44.667 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion:107 Resp: 92685
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.2 112.8

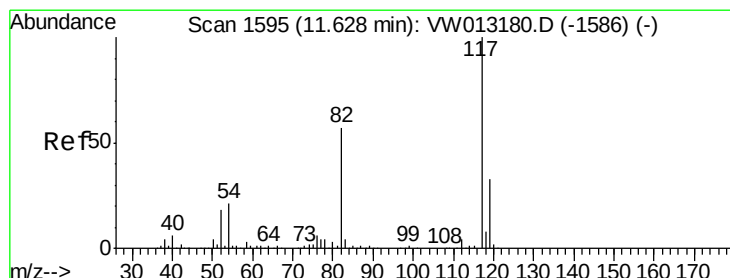
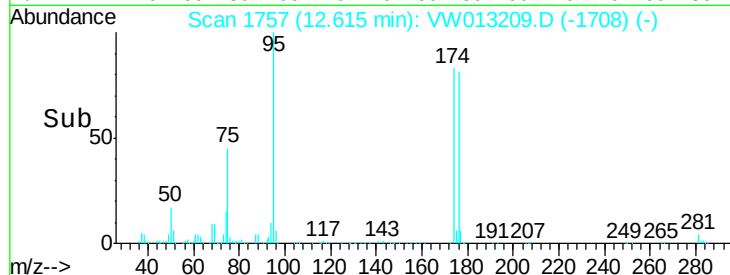
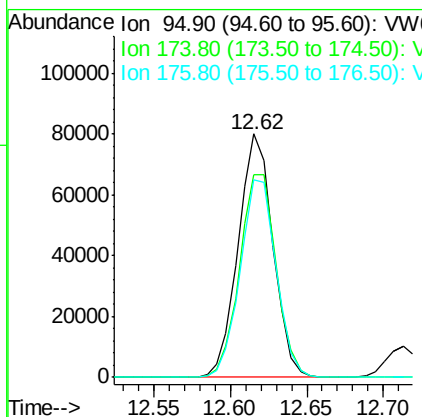
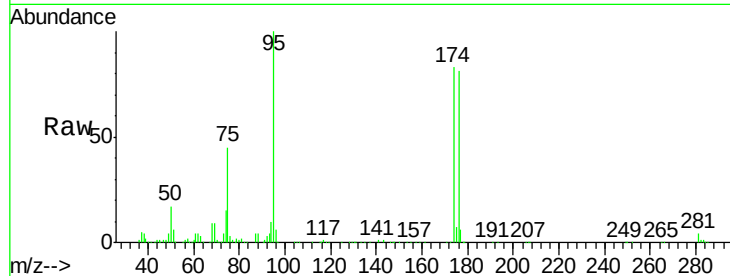




#62
4-Bromofluorobenzene
Concen: 35.149 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

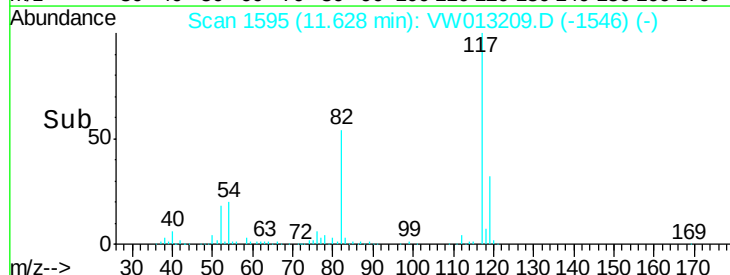
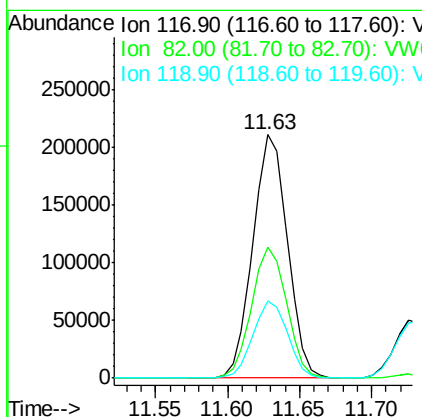
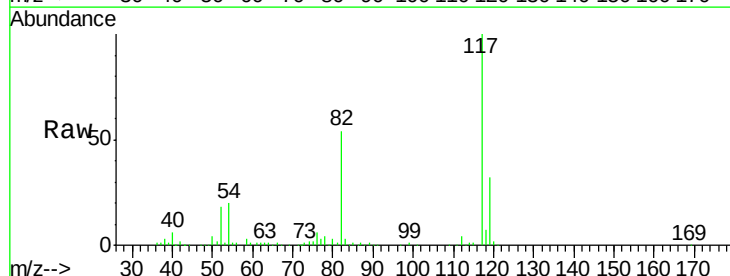
Instrument :
MSVOA_W
ClientSampleId :

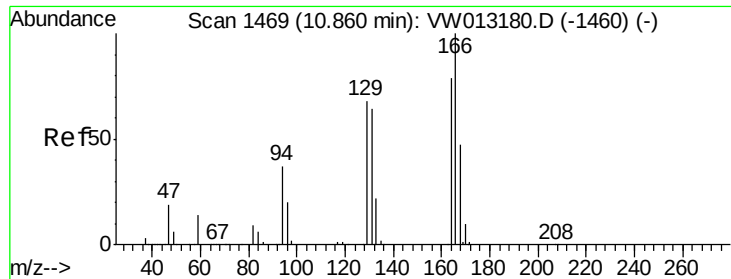
Tot Ion: 95 Resp: 126018
Ion Ratio Lower Upper
95 100
174 87.9 0.0 178.4
176 84.1 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 117 Resp: 350395
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 31.8 26.2 39.2

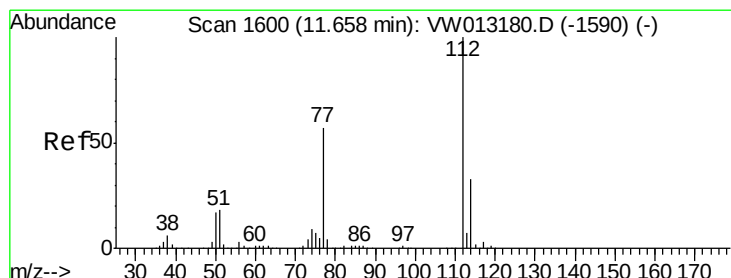
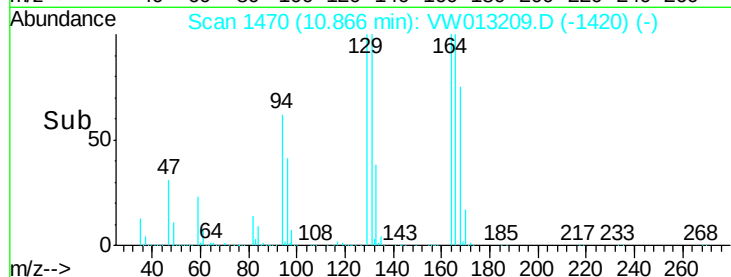
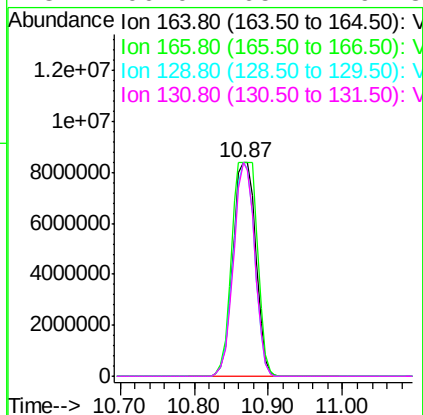
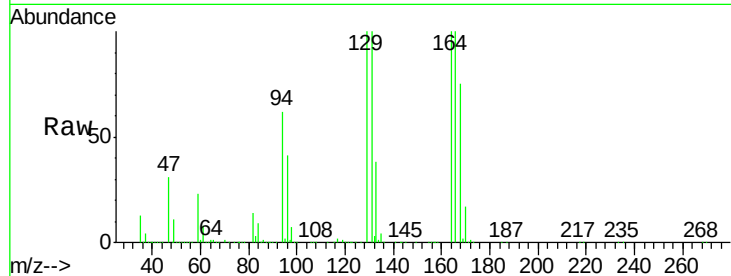




#64
Tetrachloroethene
Concen: 6797.178 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

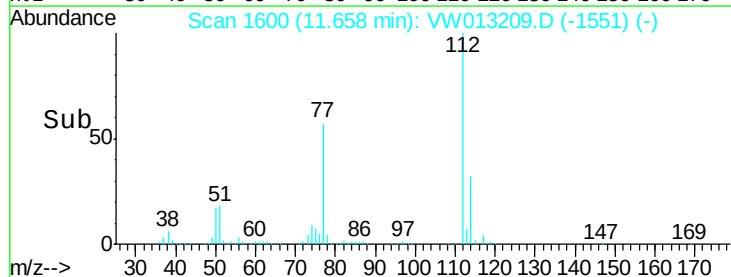
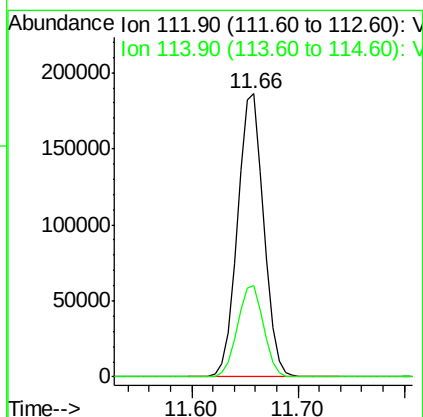
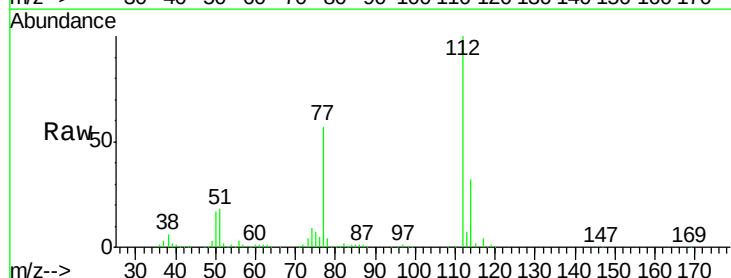
Instrument :
MSVOA_W
ClientSampled :

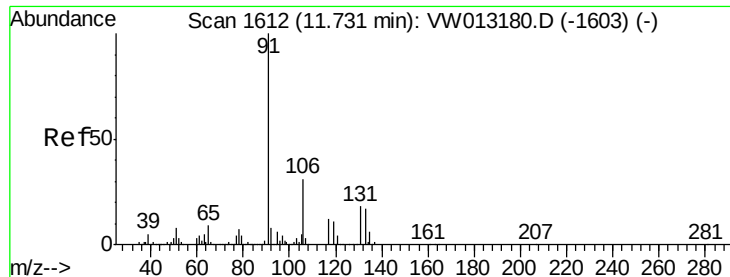
Tot Ion:164 Resp:18070772
Ion Ratio Lower Upper
164 100
166 100.0 101.2 151.8#
129 100.0 68.8 103.2
131 100.0 65.2 97.8#



#65
Chlorobenzene
Concen: 43.851 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion:112 Resp: 320857
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7





#66

1,1,1,2-Tetrachloroethane

Concen: 52.292 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

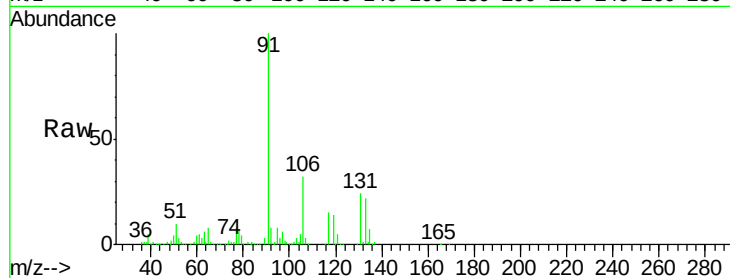
Tot Ion:131 Resp: 130714

Ion Ratio Lower Upper

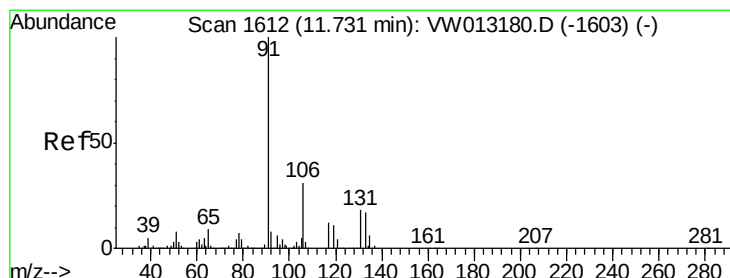
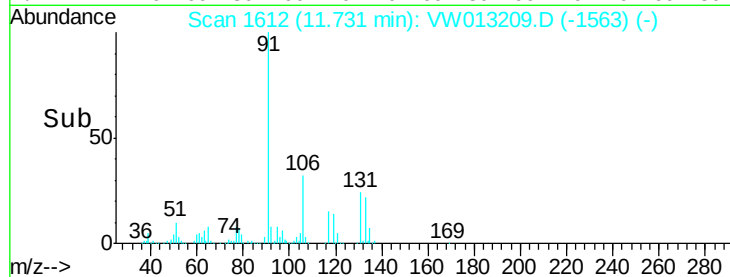
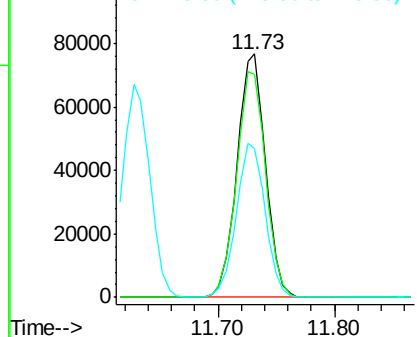
131 100

133 94.9 47.5 142.6

119 64.2 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 39.818 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013209.D

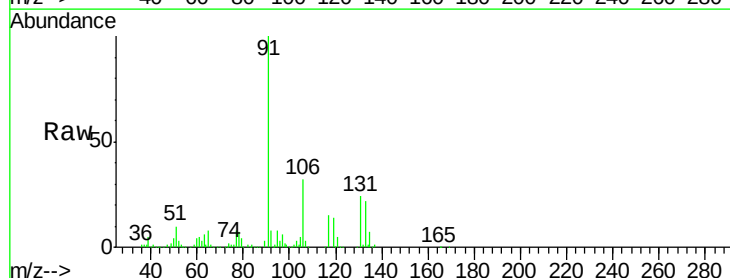
Acq: 21 Sep 2019 03:29

Tgt Ion: 91 Resp: 527887

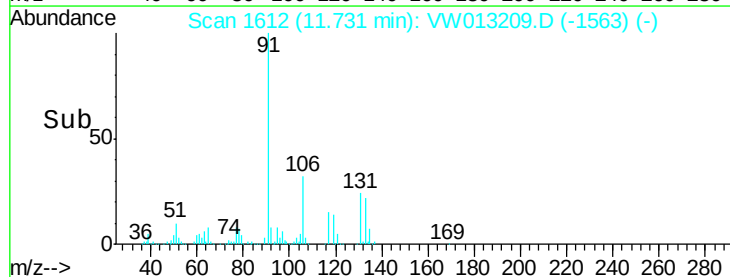
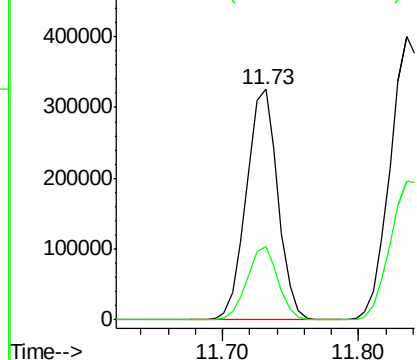
Ion Ratio Lower Upper

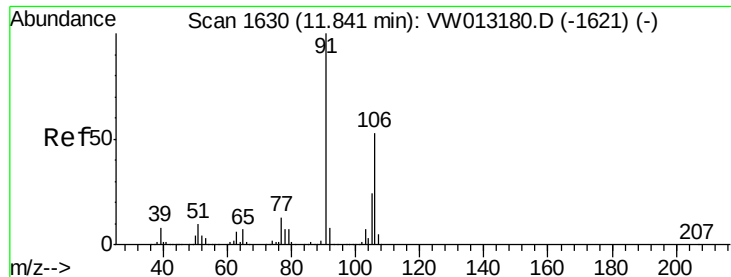
91 100

106 32.1 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

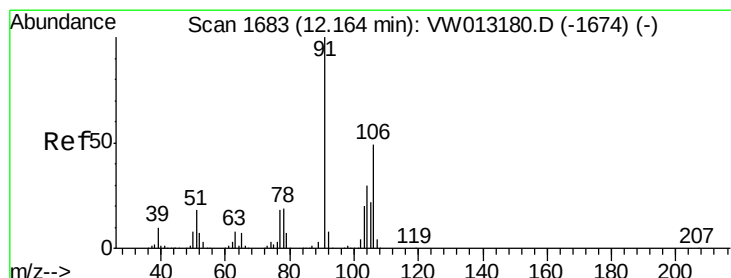
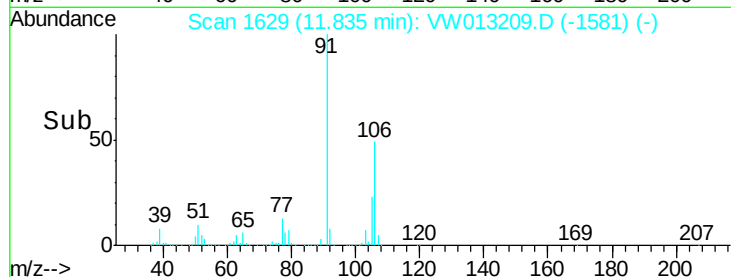
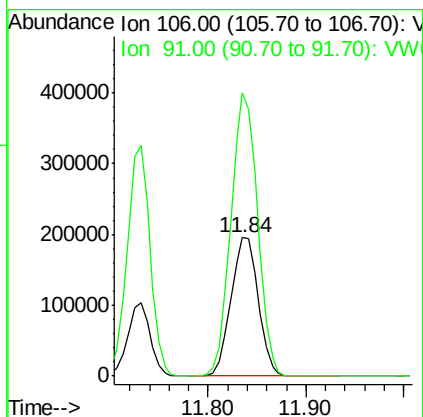
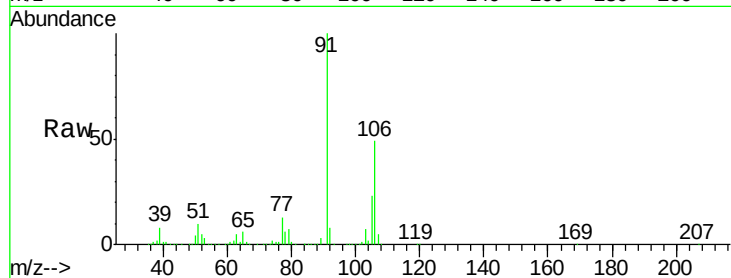




#68
m/p-Xylenes
Concen: 74.744 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

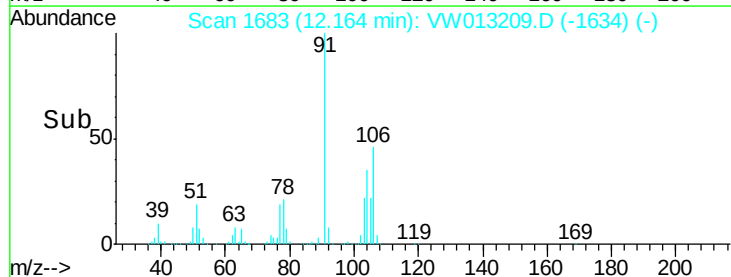
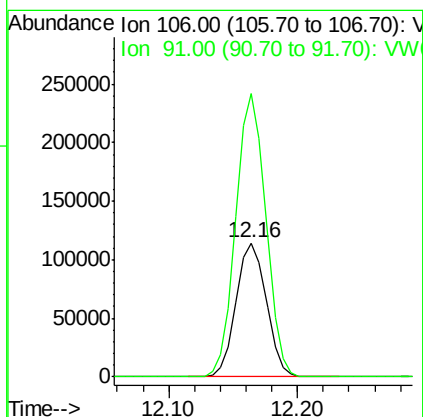
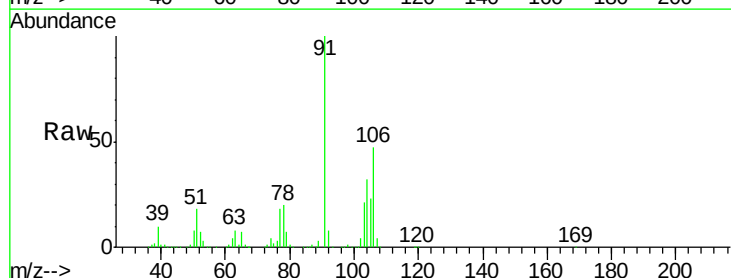
Instrument :
MSVOA_W
ClientSampled :

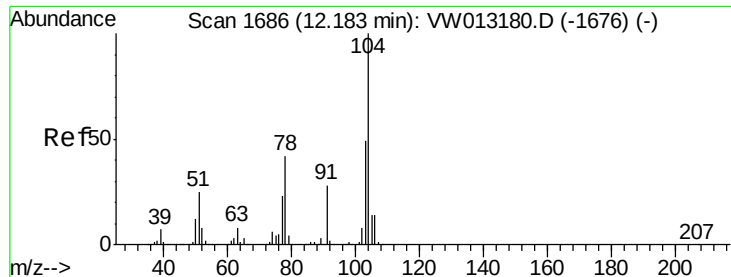
Tot Ion:106 Resp: 377600
Ion Ratio Lower Upper
106 100
91 199.5 157.9 236.9



#69
o-Xylene
Concen: 39.710 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion:106 Resp: 186513
Ion Ratio Lower Upper
106 100
91 210.0 106.5 319.5





#70

Stvrene

Concen: 39.460 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

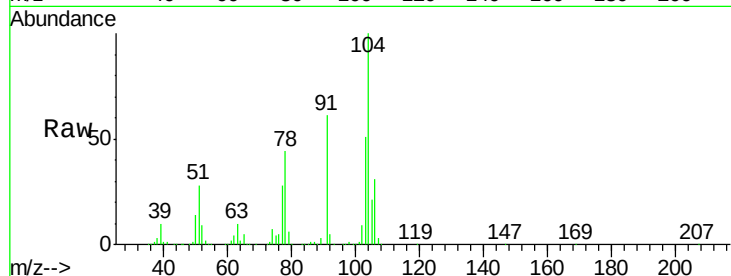
Tot Ion:104 Resp: 318193

Ion Ratio Lower Upper

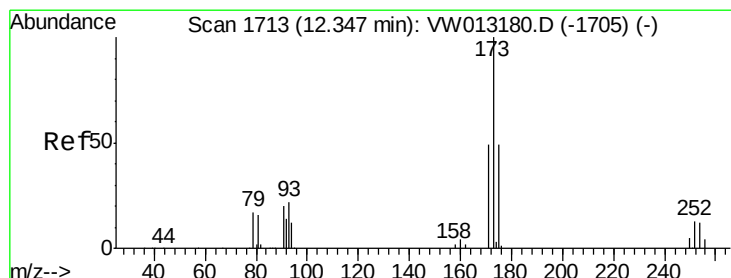
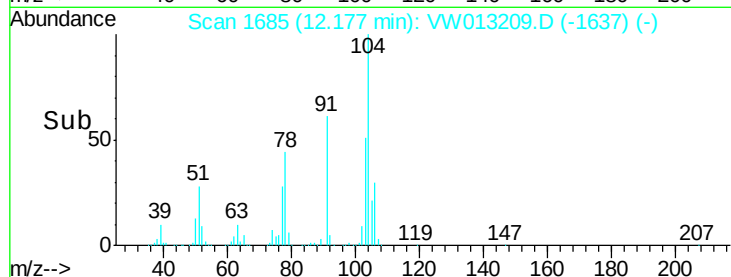
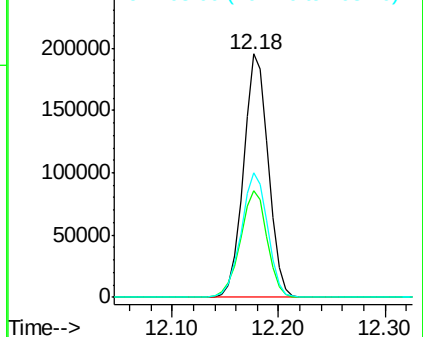
104 100

78 47.3 38.4 57.6

103 54.8 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 52.453 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

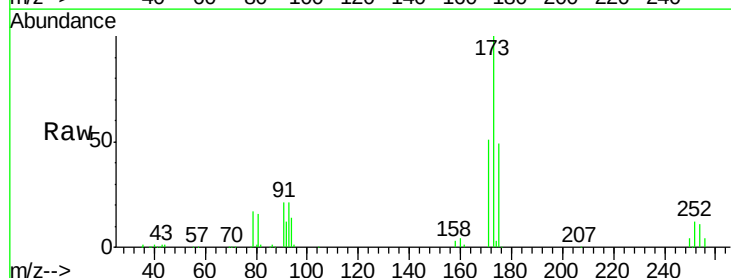
Tgt Ion:173 Resp: 69270

Ion Ratio Lower Upper

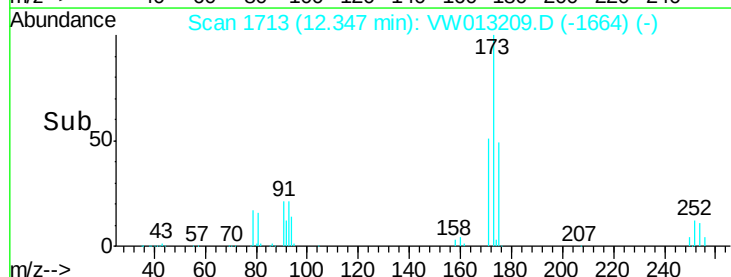
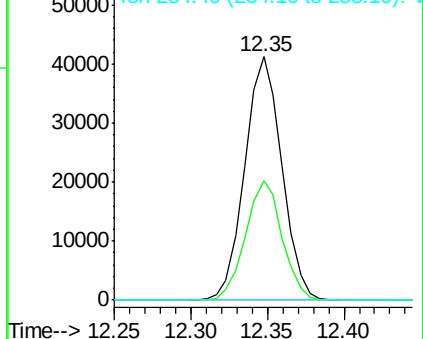
173 100

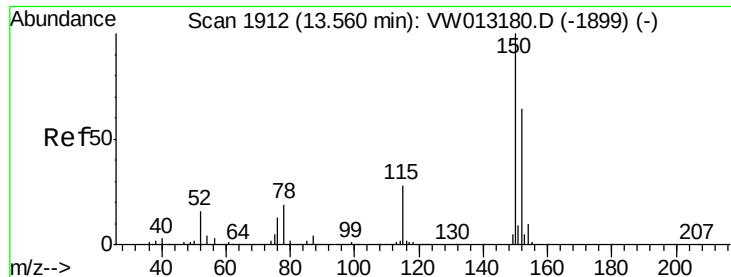
175 48.5 24.3 73.0

254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

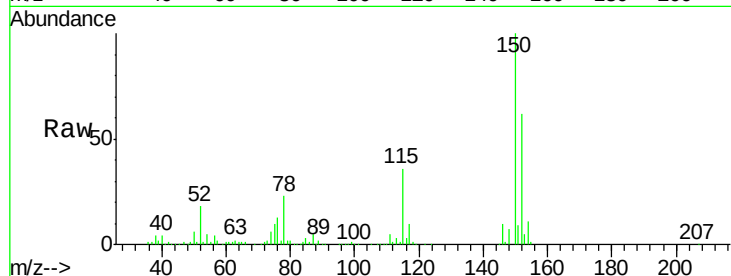
Tot Ion:152 Resp: 87460

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

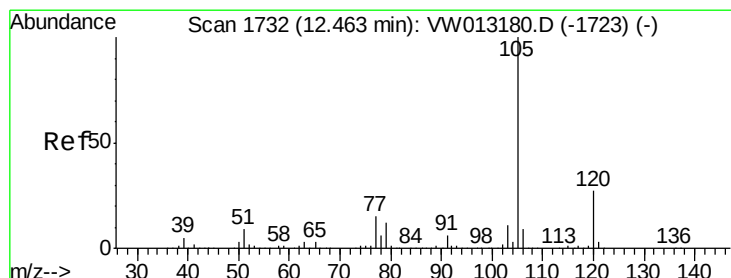
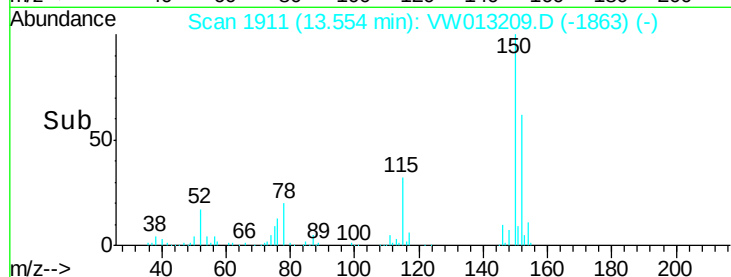
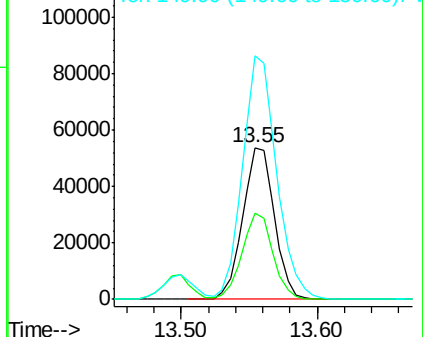
150 172.7 0.0 349.0



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: 64.357 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013209.D

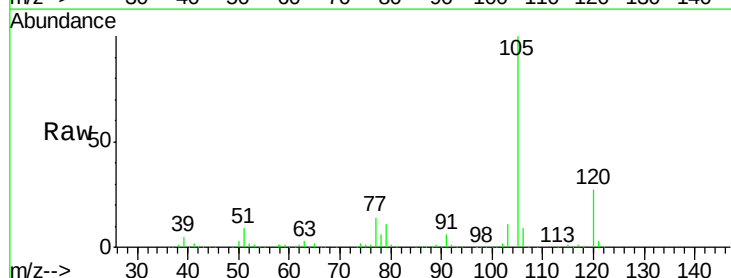
Acq: 21 Sep 2019 03:29

Tgt Ion:105 Resp: 415796

Ion Ratio Lower Upper

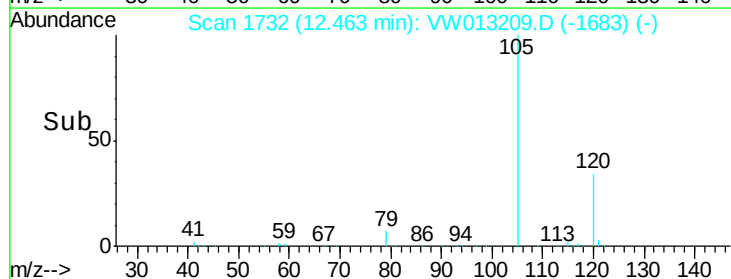
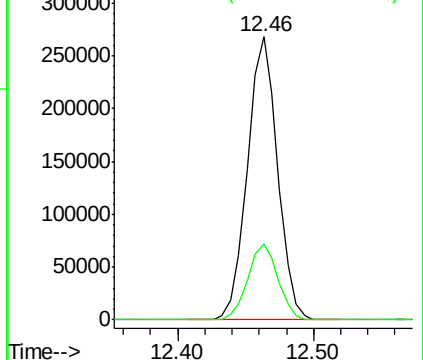
105 100

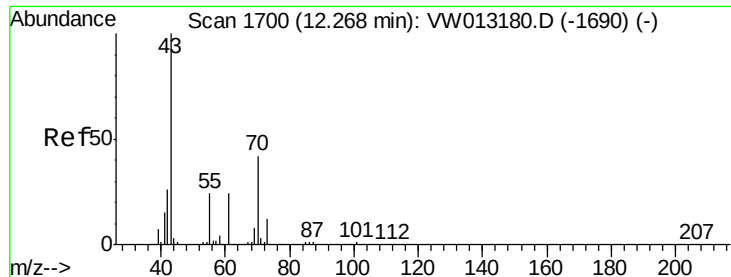
120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 55.129 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 79035

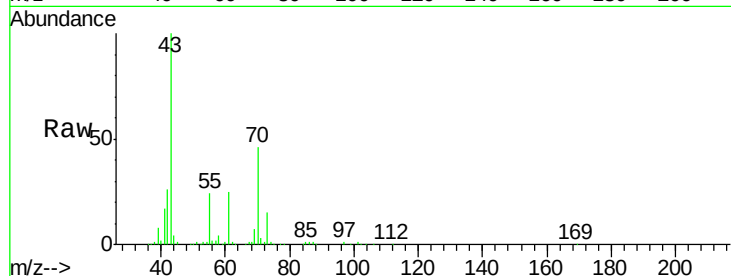
Ion Ratio Lower Upper

43 100

70 45.2 35.1 52.7

55 25.4 19.9 29.9

61 24.7 19.5 29.3

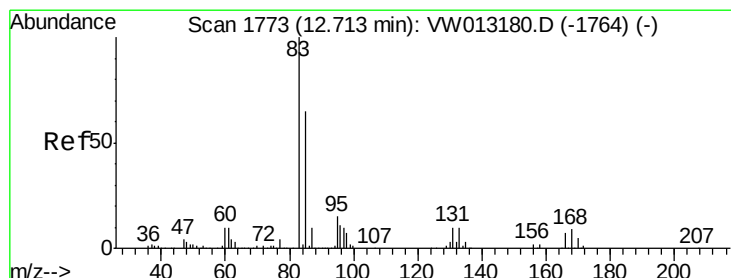
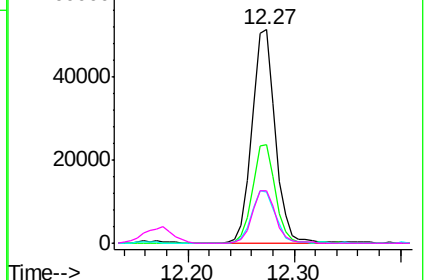
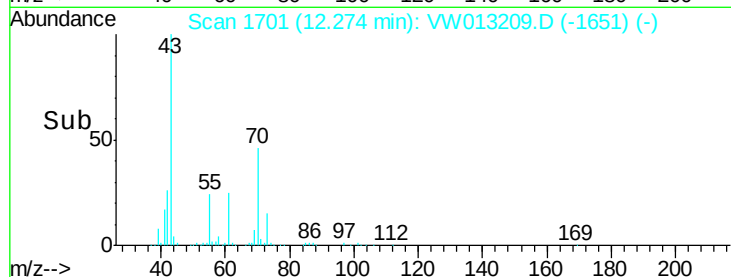


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 92.614 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

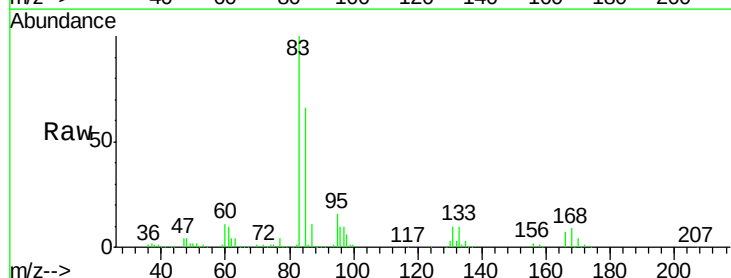
Tgt Ion: 83 Resp: 100070

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

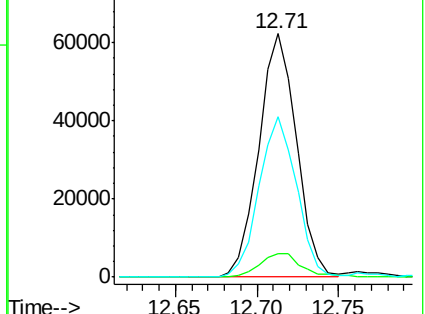
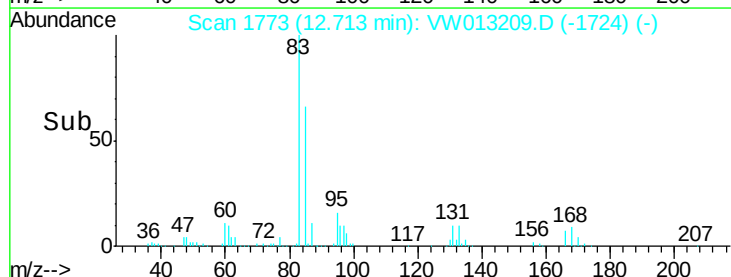
85 65.8 31.9 95.9

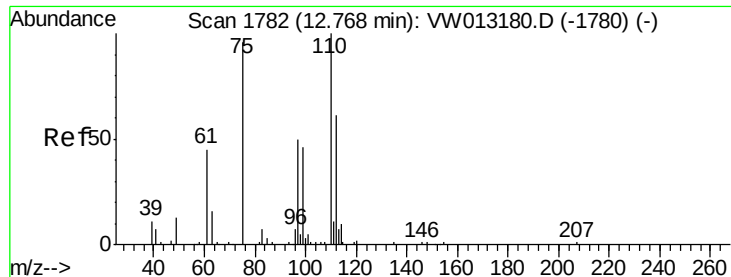


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 159.340 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

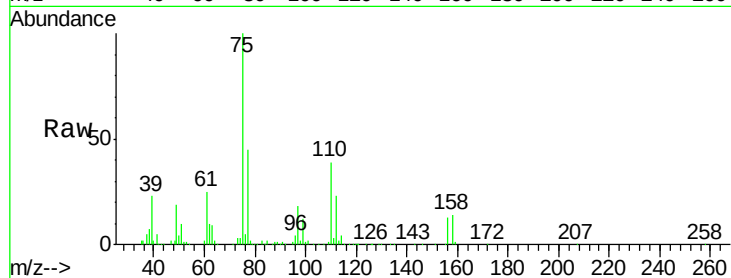
ClientSampleId :

Tot Ion: 75 Resp: 123072

Ion Ratio Lower Upper

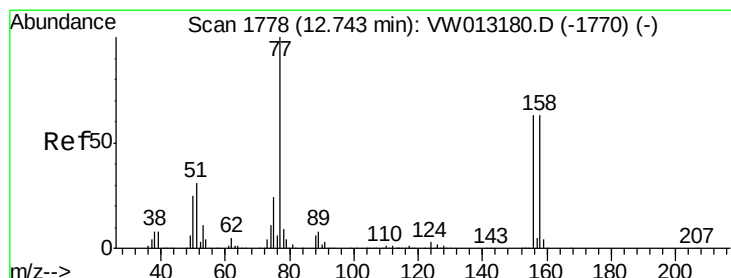
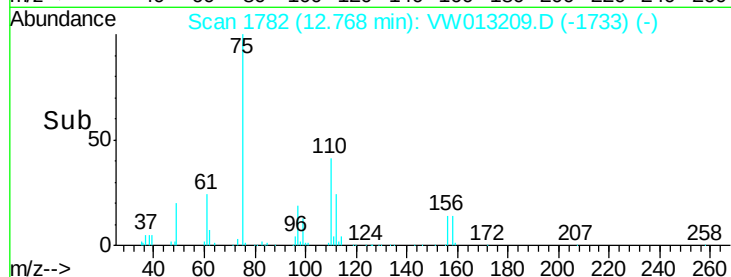
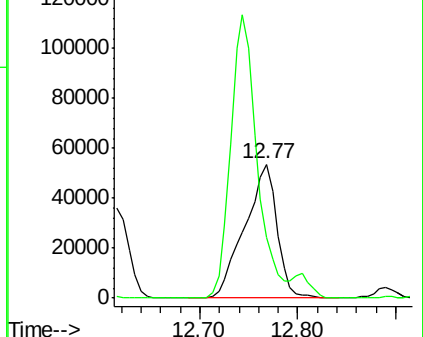
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 78.270 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

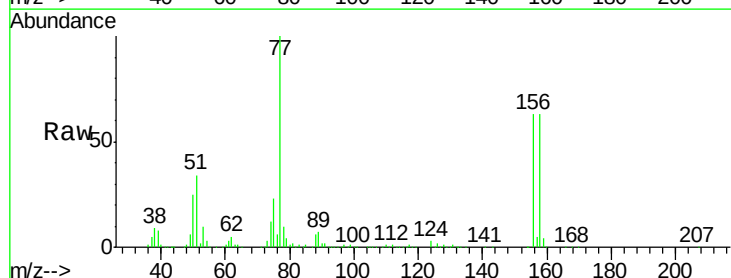
Tgt Ion: 156 Resp: 119832

Ion Ratio Lower Upper

156 100

77 176.2 85.7 257.1

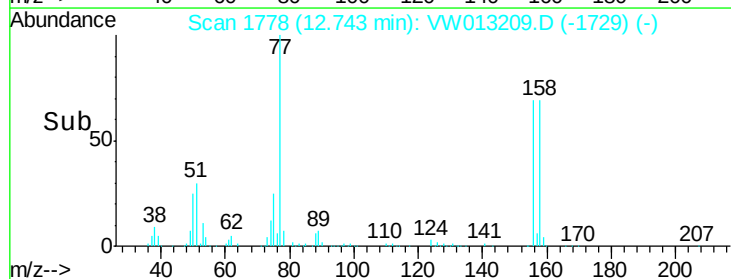
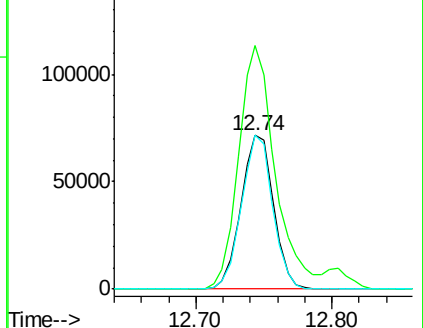
158 96.1 48.1 144.4

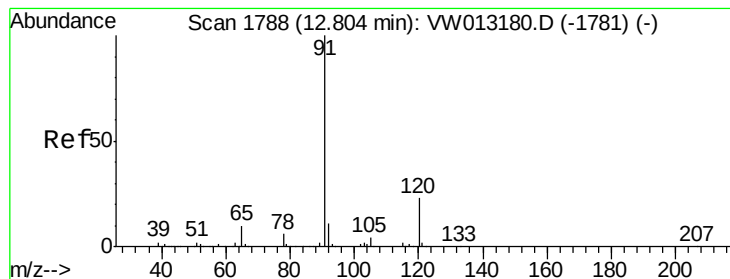


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 50.017 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

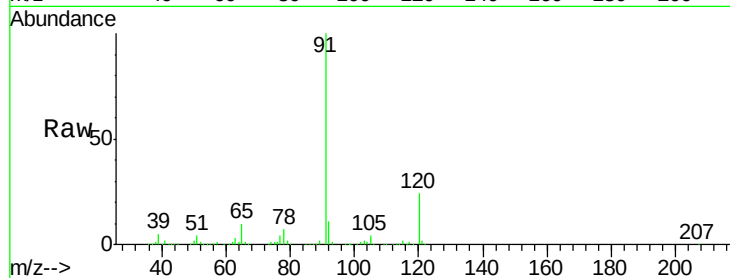
ClientSampled :

Tot Ion: 91 Resp: 378258

Ion Ratio Lower Upper

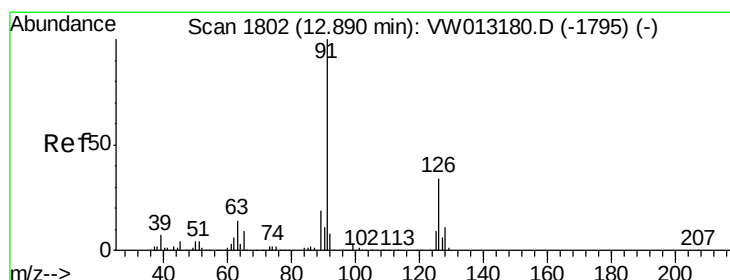
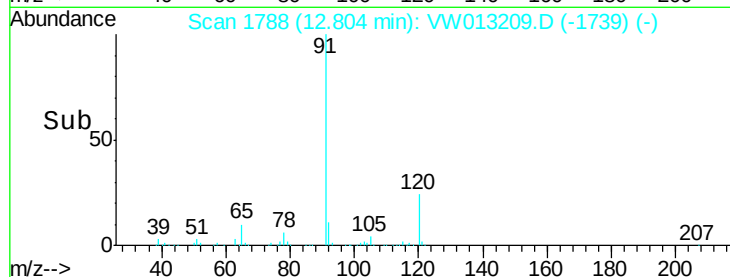
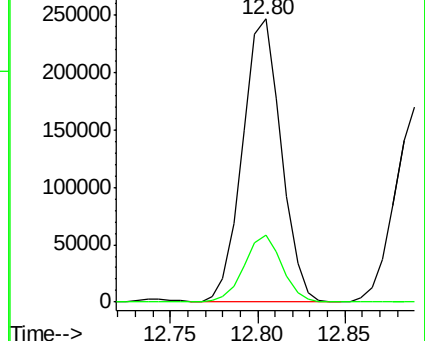
91 100

120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 63.923 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013209.D

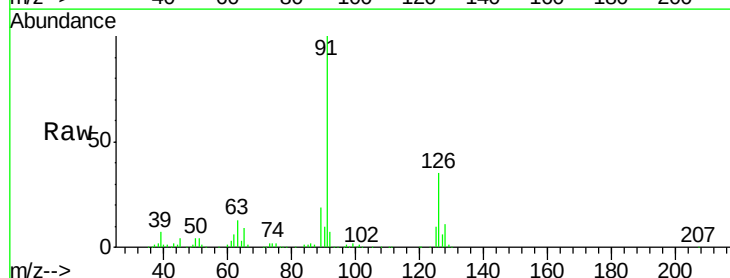
Acq: 21 Sep 2019 03:29

Tgt Ion: 91 Resp: 270829

Ion Ratio Lower Upper

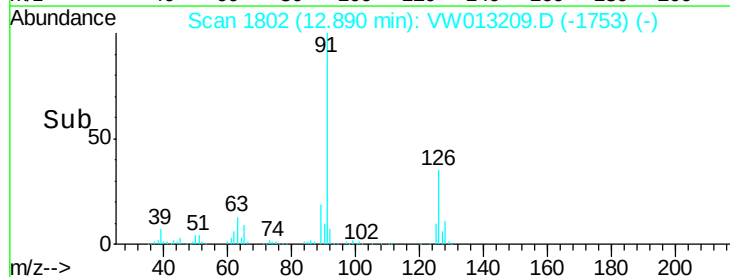
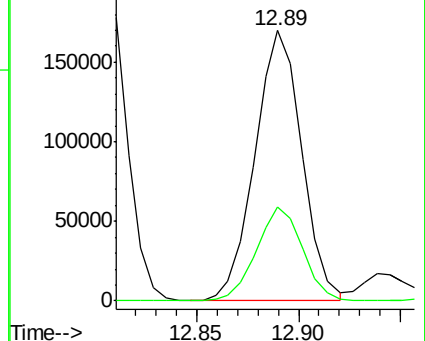
91 100

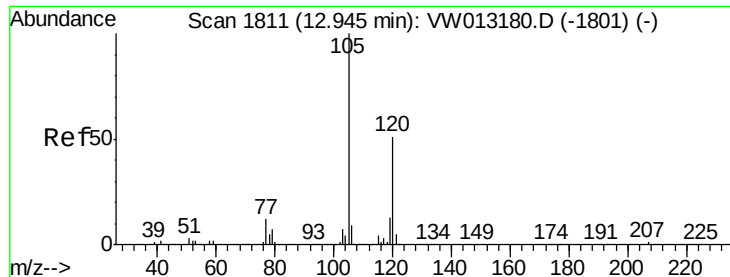
126 34.3 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

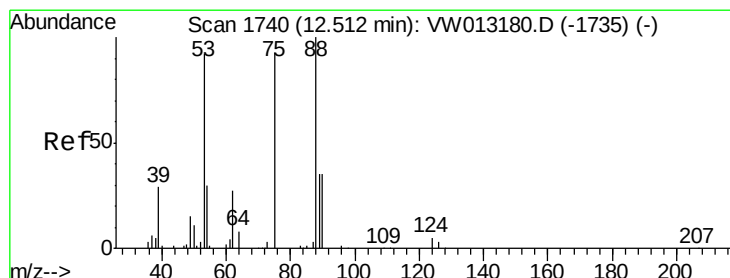
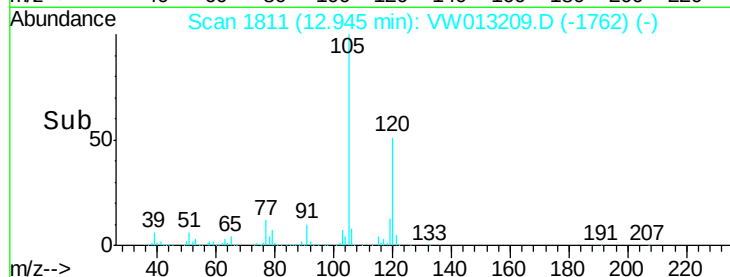
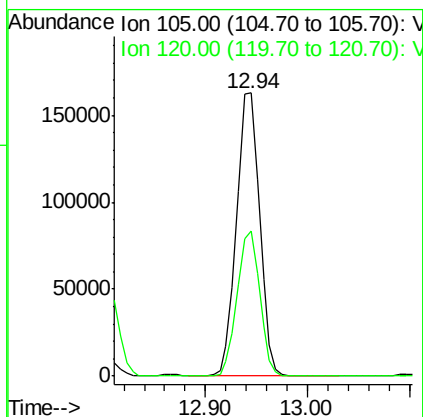
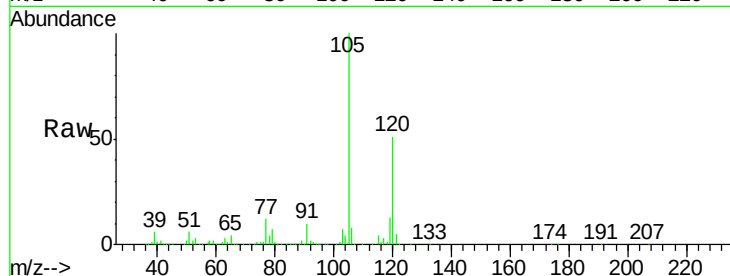




#80
 1,3,5-Trimethylbenzene
 Concen: 46.972 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

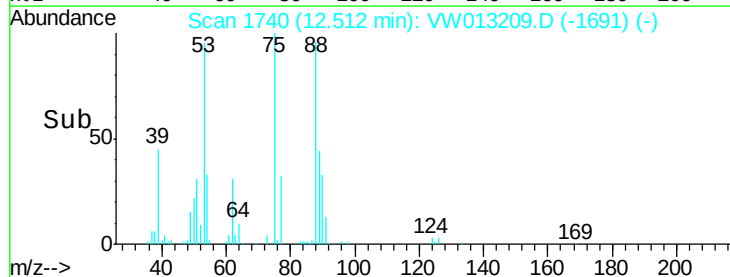
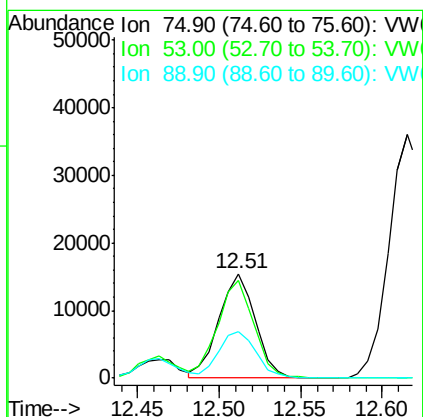
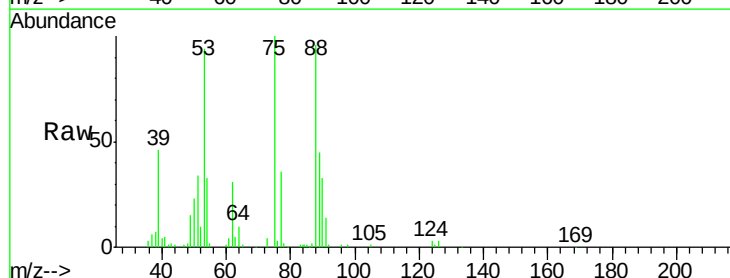
Instrument :
 MSVOA_W
 ClientSampled :

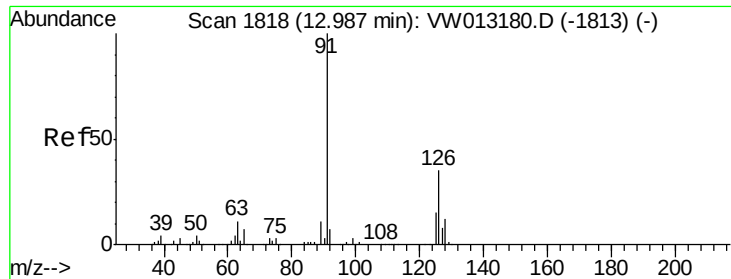
Tot Ion:105 Resp: 255103
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.073 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion: 75 Resp: 24120
 Ion Ratio Lower Upper
 75 100
 53 93.5 76.6 114.8
 89 44.9 33.5 50.3

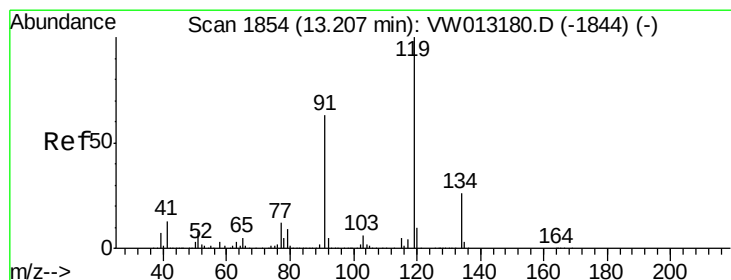
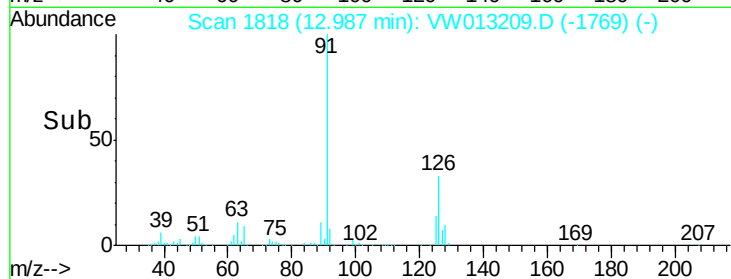
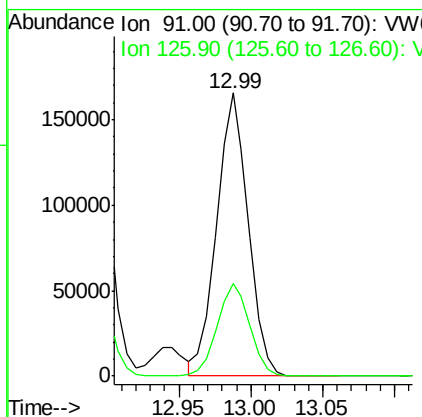
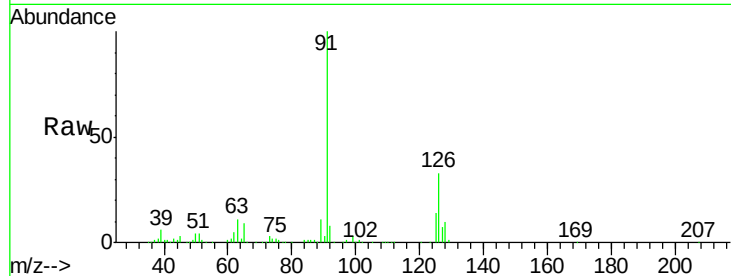




#82
4-Chlorotoluene
Concen: 56.682 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

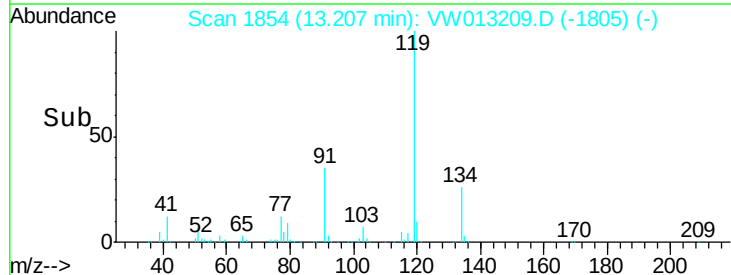
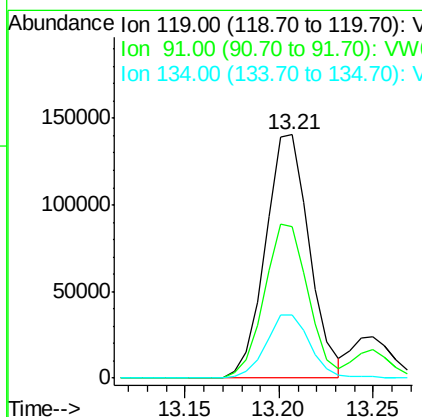
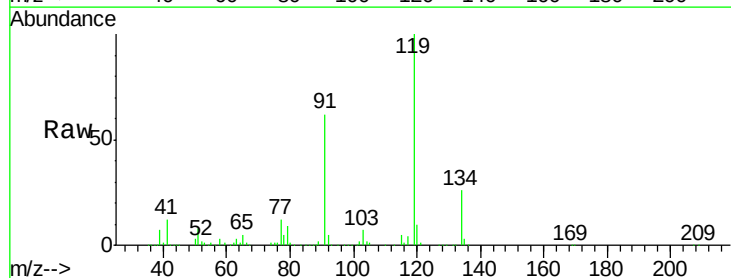
Instrument :
MSVOA_W
ClientSampleId :

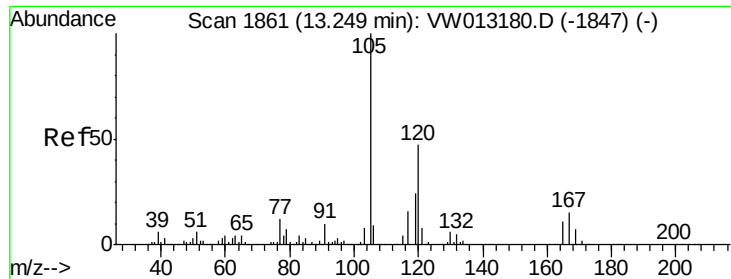
Tot Ion: 91 Resp: 253245
Ion Ratio Lower Upper
91 100
126 33.7 17.3 51.7



#83
tert-Butylbenzene
Concen: 47.759 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Tgt Ion: 119 Resp: 227656
Ion Ratio Lower Upper
119 100
91 63.0 30.7 92.1
134 26.3 12.6 37.6

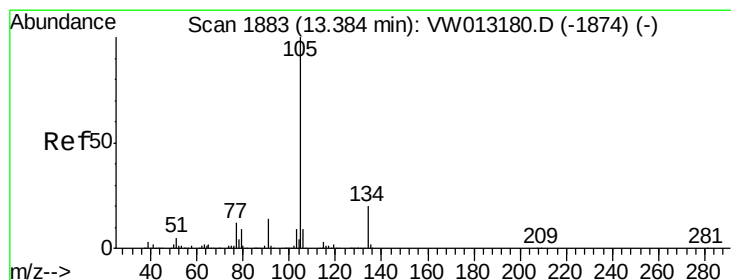
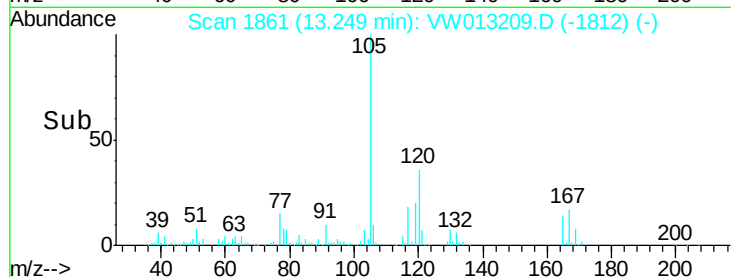
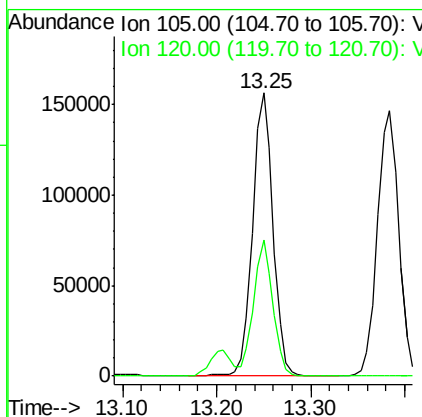
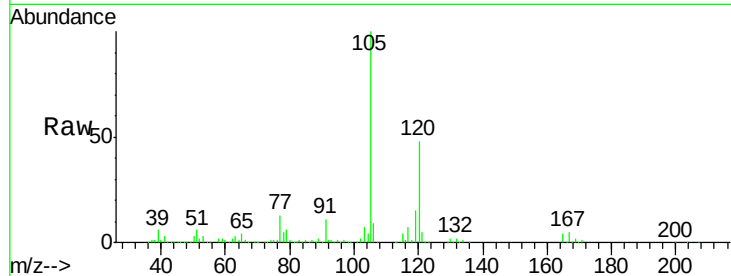




#84
 1,2,4-Trimethylbenzene
 Concen: 44.363 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

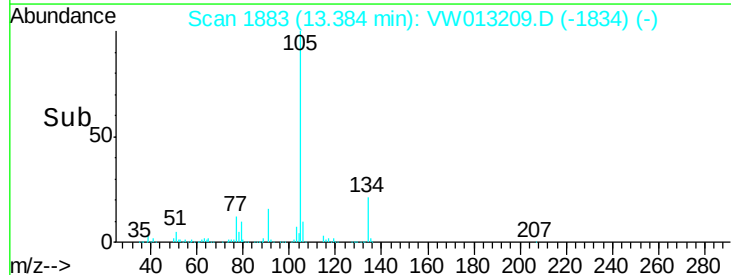
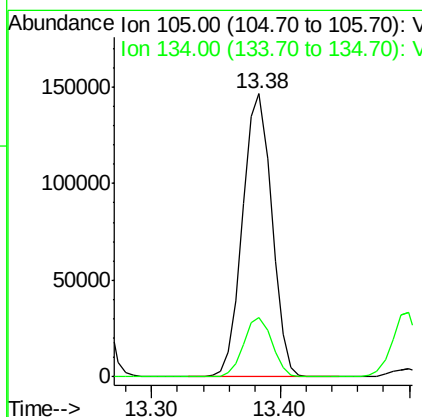
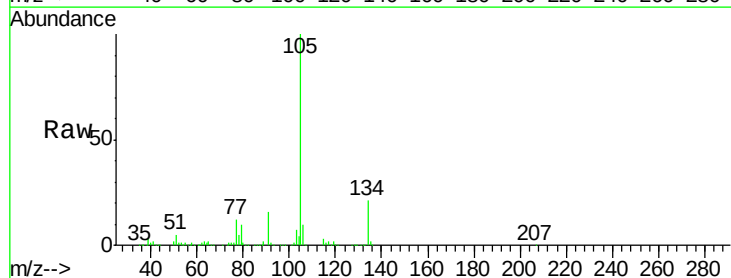
Instrument :
 MSVOA_W
 ClientSampleId :

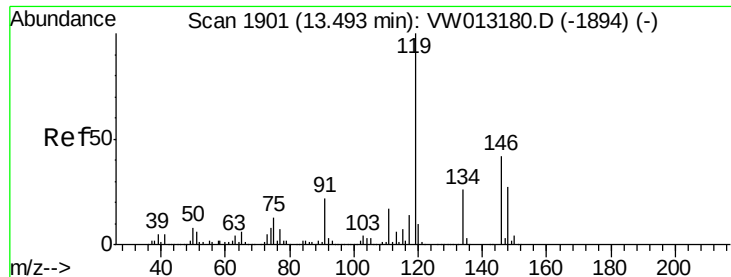
Tot Ion:105 Resp: 239749
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 34.917 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion:105 Resp: 229468
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8

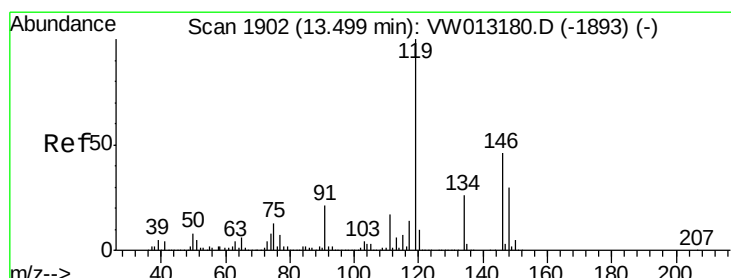
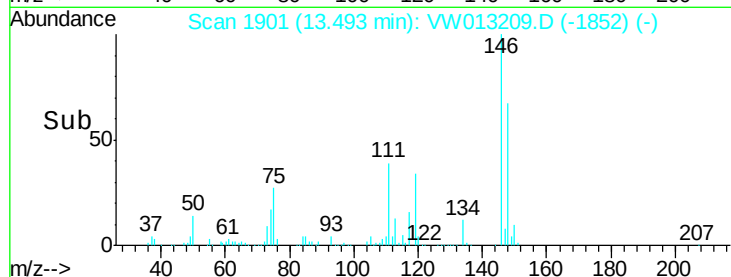
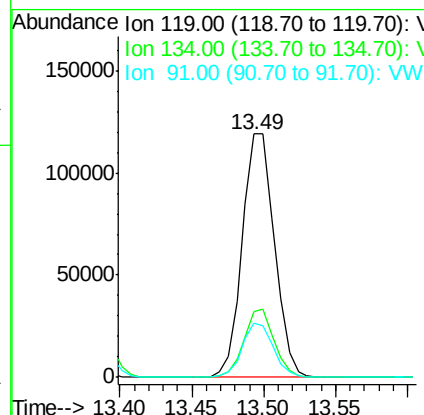
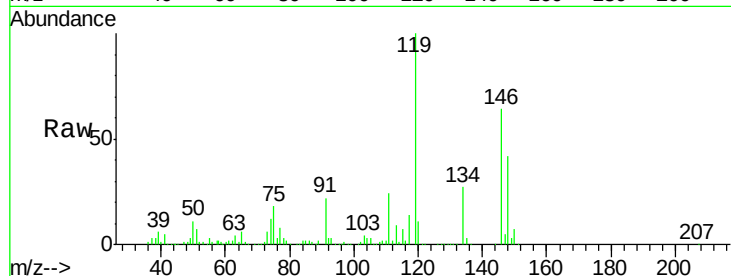




#86
 p-Isopropyltoluene
 Concen: 30.192 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

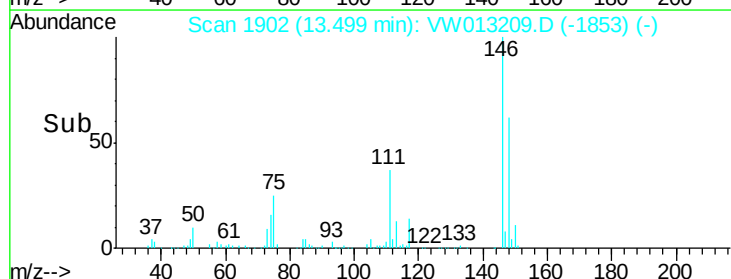
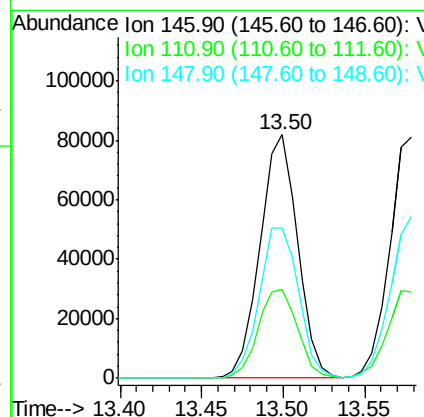
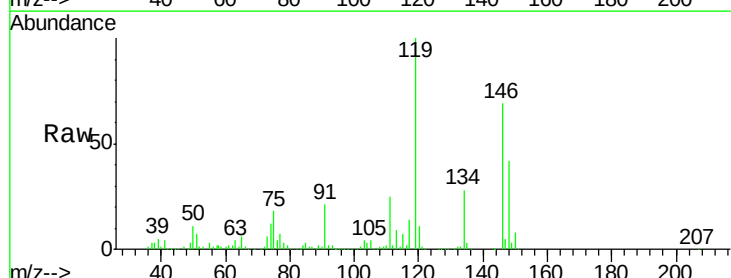
Instrument :
 MSVOA_W
 ClientSampleId :

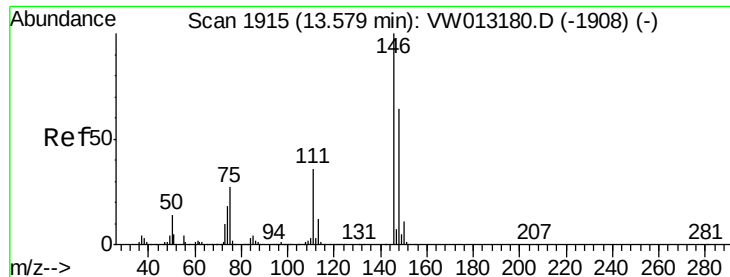
Tot Ion:119 Resp: 184034
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 21.9 10.8 32.4



#87
 1,3-Dichlorobenzene
 Concen: 44.619 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion:146 Resp: 131473
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.9
 148 65.0 31.9 95.5





#88

1,4-Dichlorobenzene

Concen: 45.335 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

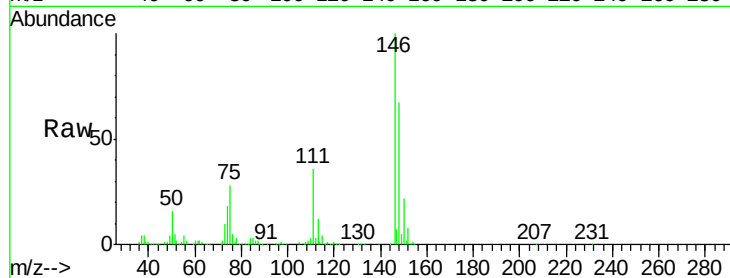
Tot Ion:146 Resp: 131011

Ion Ratio Lower Upper

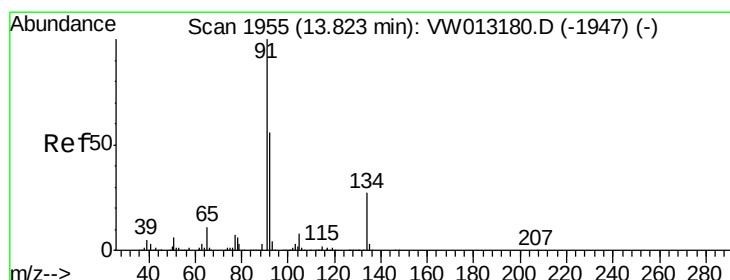
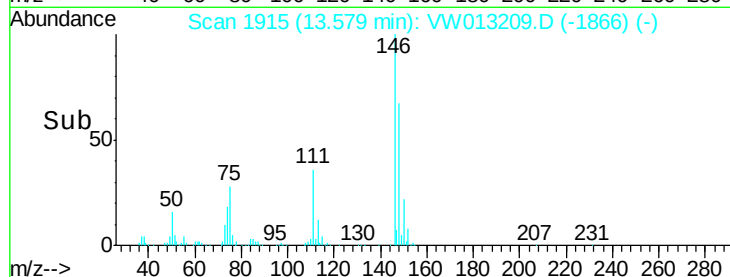
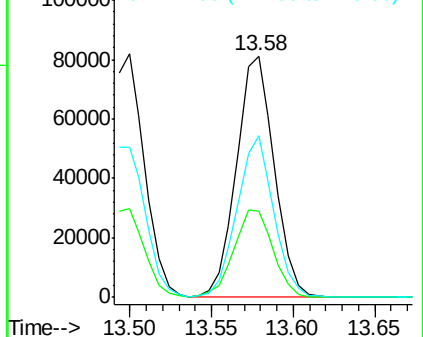
146 100

111 37.3 18.4 55.0

148 64.9 32.1 96.3



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



#89

n-Butylbenzene

Concen: 19.083 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

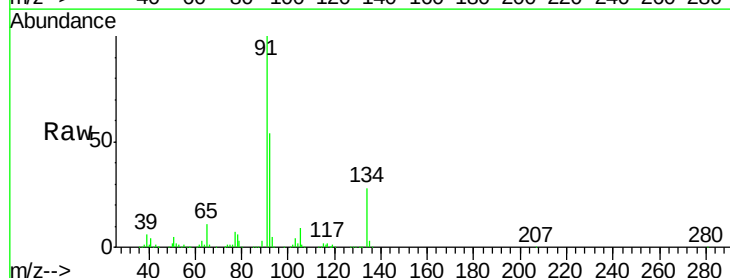
Tgt Ion: 91 Resp: 106215

Ion Ratio Lower Upper

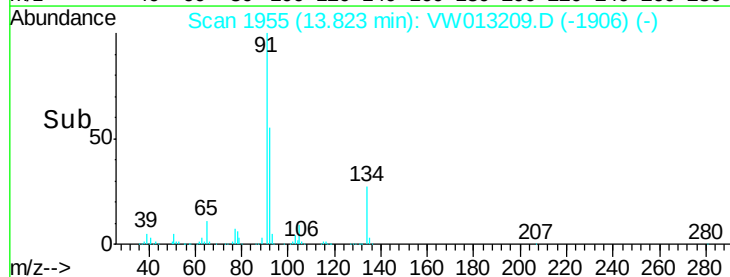
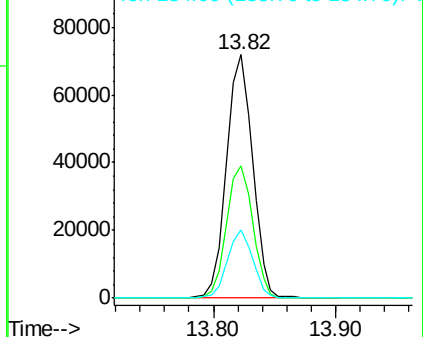
91 100

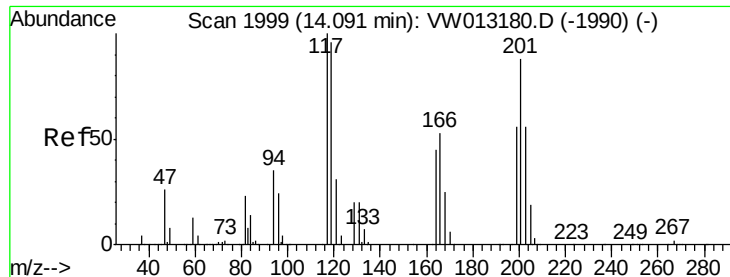
92 54.5 27.6 82.8

134 27.1 13.7 41.1



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: 48.814 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

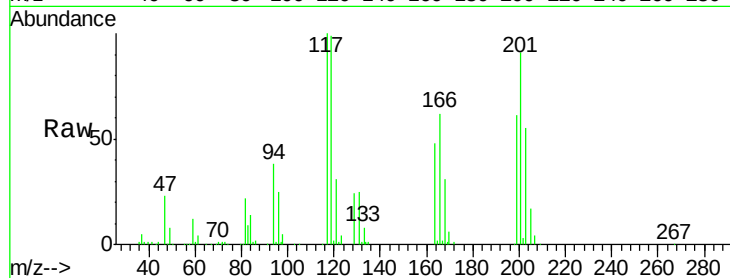
ClientSampleId :

Tot Ion:117 Resp: 49985

Ion Ratio Lower Upper

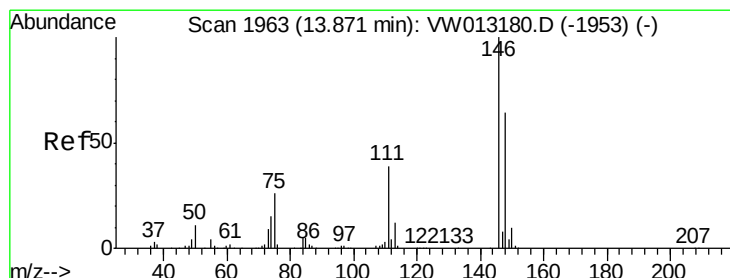
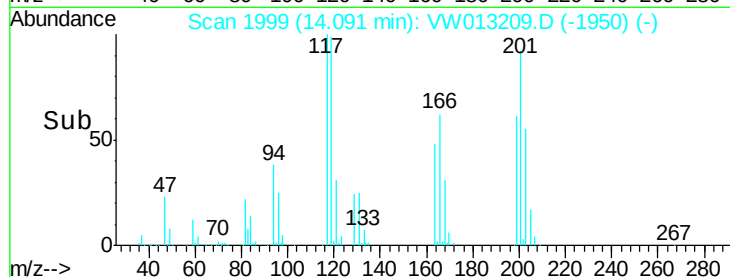
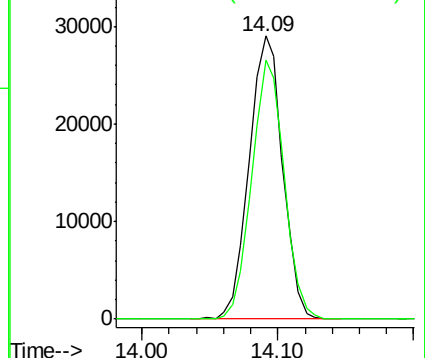
117 100

201 89.0 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 46.476 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

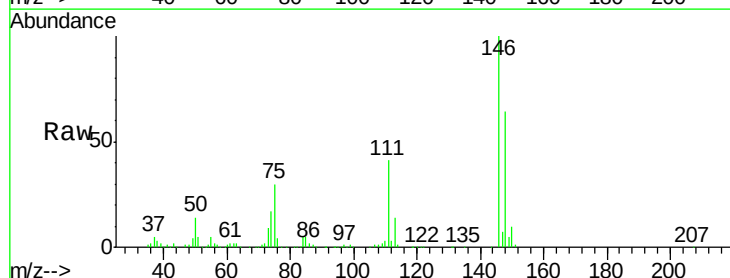
Tgt Ion:146 Resp: 118473

Ion Ratio Lower Upper

146 100

111 40.4 20.1 60.3

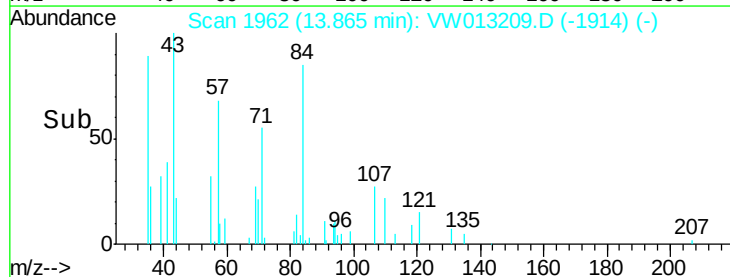
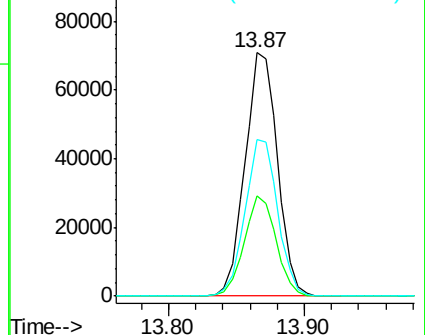
148 64.3 32.0 96.0

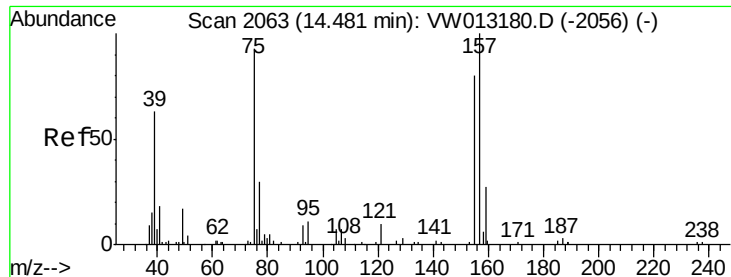


Abundance Ion 145.90 (145.60 to 146.60): V

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: 73.589 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

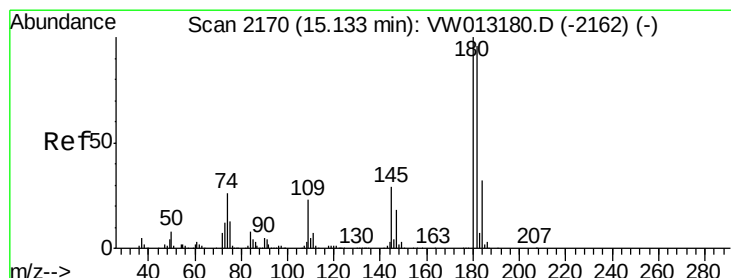
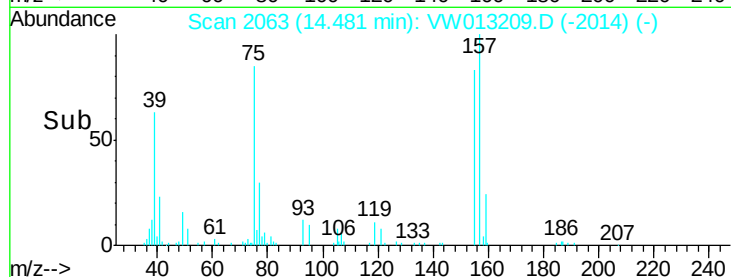
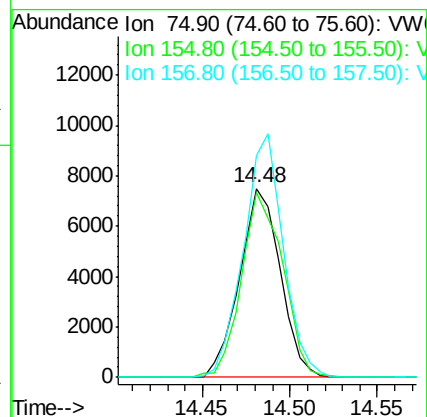
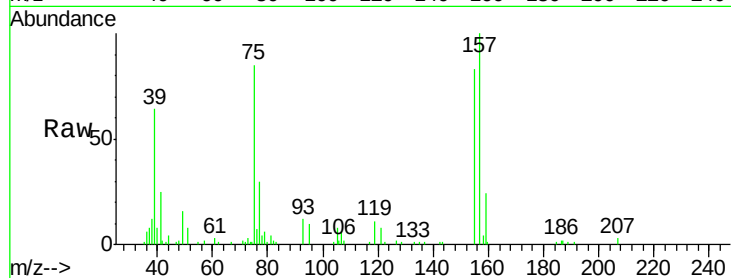
Tot Ion: 75 Resp: 12162

Ion Ratio Lower Upper

75 100

155 99.5 46.1 138.3

157 126.0 60.4 181.2



#93

1,2,4-Trichlorobenzene

Concen: 9.498 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

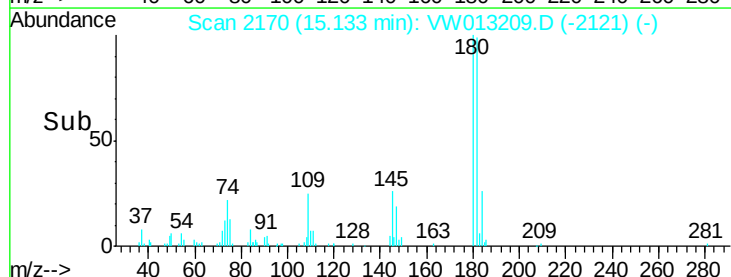
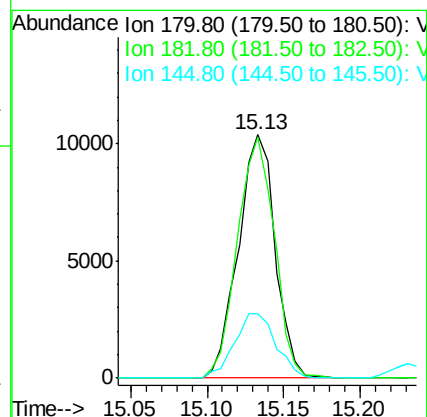
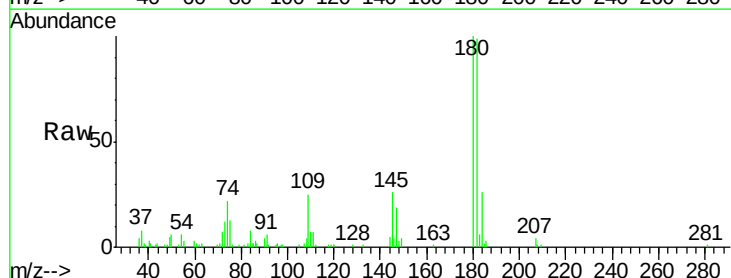
Tgt Ion: 180 Resp: 17350

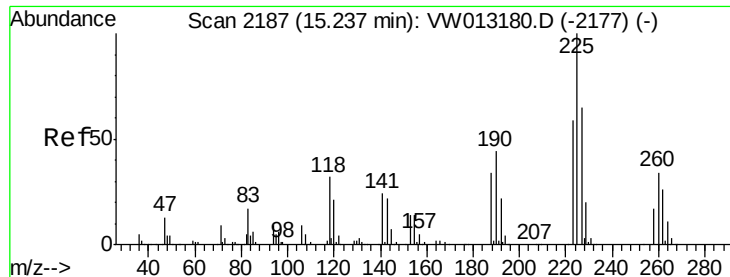
Ion Ratio Lower Upper

180 100

182 99.6 47.3 142.0

145 29.7 14.2 42.8





#94

Hexachlorobutadiene

Concen: 9.181 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

Instrument :

MSVOA_W

ClientSampleId :

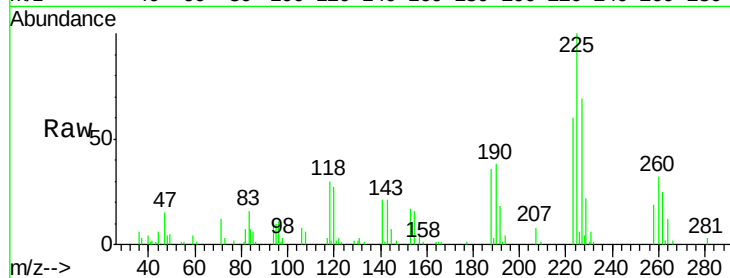
Tot Ion:225 Resp: 11473

Ion Ratio Lower Upper

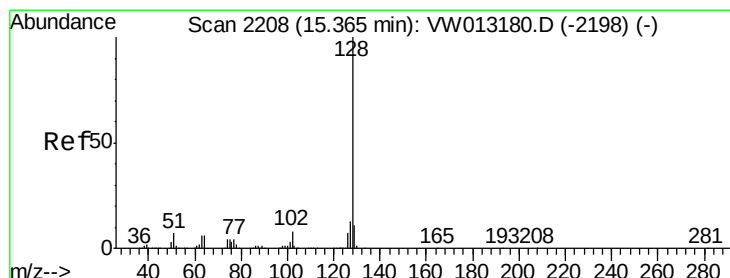
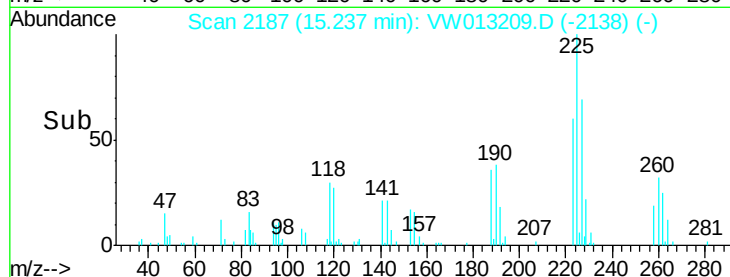
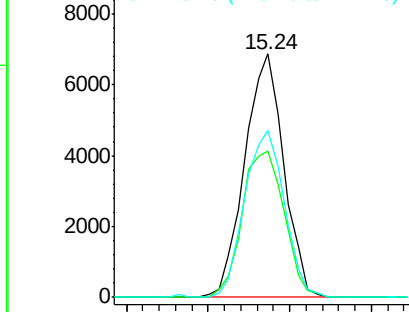
225 100

223 64.5 30.6 91.8

227 69.5 31.9 95.9



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



#95

Naphthalene

Concen: 23.405 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013209.D

Acq: 21 Sep 2019 03:29

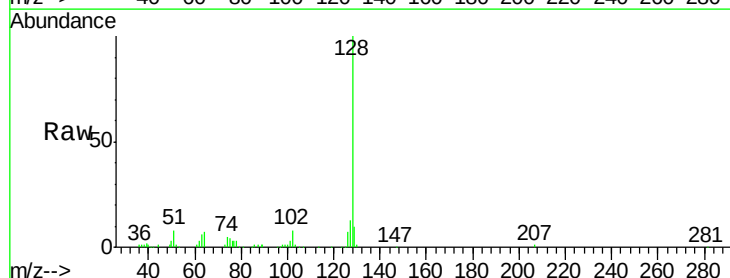
Tgt Ion:128 Resp: 69923

Ion Ratio Lower Upper

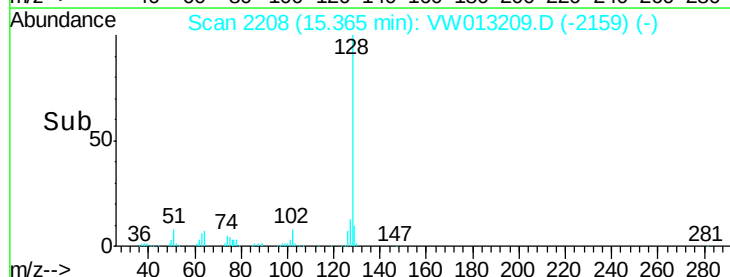
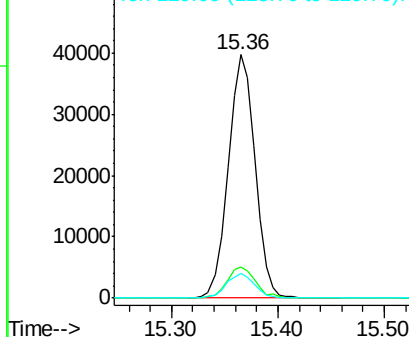
128 100

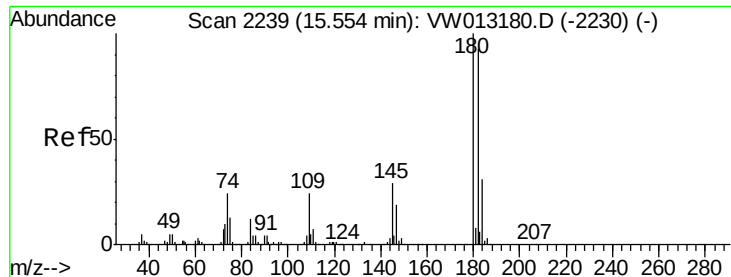
127 13.5 10.6 15.8

129 10.7 8.7 13.1



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

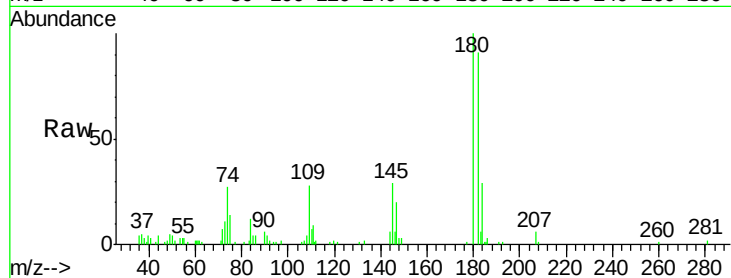




#96
 1,2,3-Trichlorobenzene
 Concen: 9.637 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.7
145	30.5	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

