

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012132.D
 Acq On : 23 Aug 2019 14:47
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 26 07:26:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175672	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	158069	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.88	113	128323	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.32	98	523384	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.62	95	182018	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	90671	54.281	ug/l 94
3) Chloromethane	2.21	50	129051	49.866	ug/l 100
4) Vinyl Chloride	2.36	62	162099	51.175	ug/l 98
5) Bromomethane	2.78	94	80652	50.276	ug/l 100
6) Chloroethane	2.92	64	92200	51.599	ug/l 99
7) Trichlorofluoromethane	3.26	101	84810	53.322	ug/l 100
8) Diethyl Ether	3.68	74	74072	49.064	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	135241	50.024	ug/l 98
10) Methyl Iodide	4.27	142	182479	49.885	ug/l 100
11) Tert butyl alcohol	5.18	59	47892	246.771	ug/l 100
12) 1,1-Dichloroethene	4.04	96	137632	50.579	ug/l 95
13) Acrolein	3.89	56	42184	230.909	ug/l 98
14) Allyl chloride	4.67	41	300383	51.636	ug/l 100
15) Acrylonitrile	5.37	53	182274	243.584	ug/l 99
16) Acetone	4.13	43	214726	260.476	ug/l 99
17) Carbon Disulfide	4.39	76	437815	53.238	ug/l 99
18) Methyl Acetate	4.67	43	95440	46.743	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	218490	49.651	ug/l 99
20) Methylene Chloride	4.91	84	143286	45.978	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	146379	50.164	ug/l 97
22) Diisopropyl ether	6.31	45	535969	49.705	ug/l 98
23) Vinyl Acetate	6.25	43	1692458	255.040	ug/l 100
24) 1,1-Dichloroethane	6.21	63	286648	48.823	ug/l 99
25) 2-Butanone	7.17	43	275340	245.793	ug/l 98
26) 2,2-Dichloropropane	7.17	77	168218	50.620	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	153617	49.274	ug/l 99
28) Bromochloromethane	7.51	49	123106	48.108	ug/l 98
29) Tetrahydrofuran	7.53	42	169725	252.538	ug/l 99
30) Chloroform	7.67	83	260028	48.409	ug/l 99
31) Cyclohexane	7.95	56	283390	48.787	ug/l 98
32) 1,1,1-Trichloroethane	7.87	97	212428	49.991	ug/l 100
36) 1,1-Dichloropropene	8.08	75	227770	51.372	ug/l 100
37) Ethyl Acetate	7.25	43	119673	49.256	ug/l 99
38) Carbon Tetrachloride	8.07	117	194594	50.709	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	259465	52.092	ug/l	99
40) Benzene	8.32	78	604385	49.922	ug/l	100
41) Methacrylonitrile	7.48	41	69597	48.739	ug/l	99
42) 1,2-Dichloroethane	8.40	62	182075	47.986	ug/l	99
43) Isopropyl Acetate	8.42	43	221850	49.296	ug/l	100
44) Trichloroethene	9.09	130	147288	50.046	ug/l	96
45) 1,2-Dichloropropane	9.37	63	158551	48.661	ug/l	100
46) Dibromomethane	9.46	93	71742	49.488	ug/l	97
47) Bromodichloromethane	9.65	83	190885	49.475	ug/l	99
48) Methyl methacrylate	9.43	41	106909	49.912	ug/l	99
49) 1,4-Dioxane	9.46	88	23000	1036.359	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	570036	249.028	ug/l	99
52) Toluene	10.39	92	364195	50.075	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	200389	50.988	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	237509	50.051	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100496	48.996	ug/l	97
56) Ethyl methacrylate	10.65	69	151176	50.641	ug/l	99
57) 1,3-Dichloropropane	10.93	76	191847	49.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	419415	273.755	ug/l	99
59) 2-Hexanone	10.97	43	407038	251.313	ug/l	100
60) Dibromochloromethane	11.13	129	113450	49.659	ug/l	99
61) 1,2-Dibromoethane	11.24	107	94609	49.511	ug/l	100
64) Tetrachloroethene	10.86	164	119838	50.367	ug/l	99
65) Chlorobenzene	11.66	112	360944	49.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	126870	50.326	ug/l	99
67) Ethyl Benzene	11.73	91	709854	50.994	ug/l	98
68) m/p-Xylenes	11.84	106	507864	101.285	ug/l	100
69) o-Xylene	12.16	106	235941	50.840	ug/l	100
70) Styrene	12.18	104	407834	50.771	ug/l	99
71) Bromoform	12.35	173	61494	48.960	ug/l #	98
73) Isopropylbenzene	12.46	105	670465	50.934	ug/l	99
74) N-amyl acetate	12.27	43	203280	51.114	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	116420	48.242	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	159807	93.404	ug/l #	100
77) Bromobenzene	12.75	156	140950	49.495	ug/l	99
78) n-propylbenzene	12.80	91	818778	50.951	ug/l	99
79) 2-Chlorotoluene	12.89	91	461172	50.548	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	561846	51.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40743	52.212	ug/l	98
82) 4-Chlorotoluene	12.99	91	474014	49.619	ug/l	100
83) tert-Butylbenzene	13.21	119	472764	50.741	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	555878	50.310	ug/l	99
85) sec-Butylbenzene	13.38	105	684754	51.297	ug/l	100
86) p-Isopropyltoluene	13.50	119	613026	51.423	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	274542	49.289	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	269351	48.701	ug/l	99
89) n-Butylbenzene	13.82	91	620327	52.327	ug/l	100
90) Hexachloroethane	14.10	117	106317	50.832	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	240684	49.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19474	47.867	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	176091	52.147	ug/l	99
94) Hexachlorobutadiene	15.24	225	114209	51.221	ug/l	98
95) Naphthalene	15.37	128	318162	48.187	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	152700	51.830	ug/l	100

(#) = 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: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

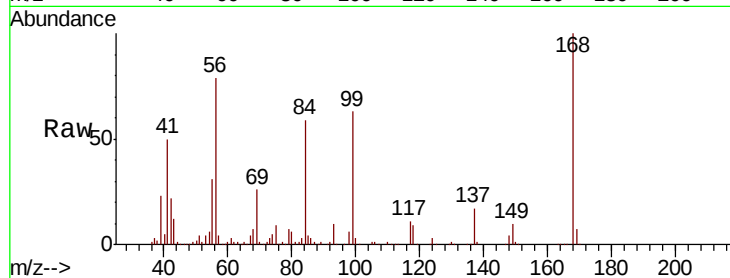
VSTDCCC050

Tgt Ion:168 Resp: 271286

Ion Ratio Lower Upper

168 100

99 62.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

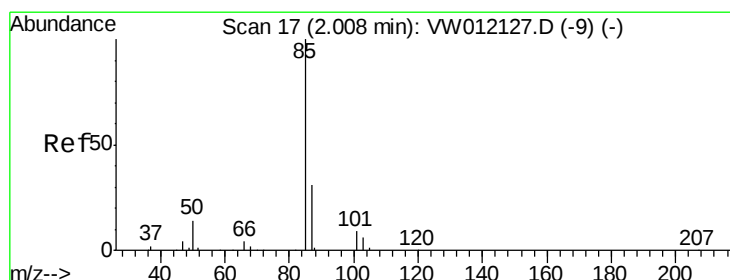
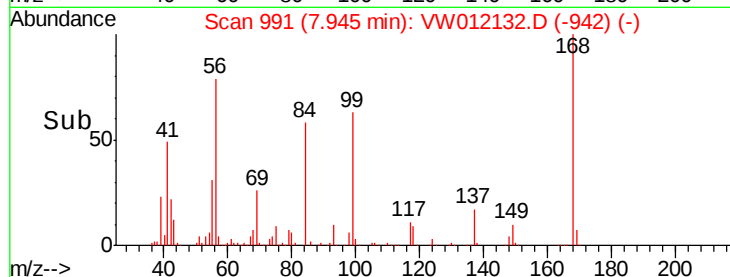
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.281 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012132.D

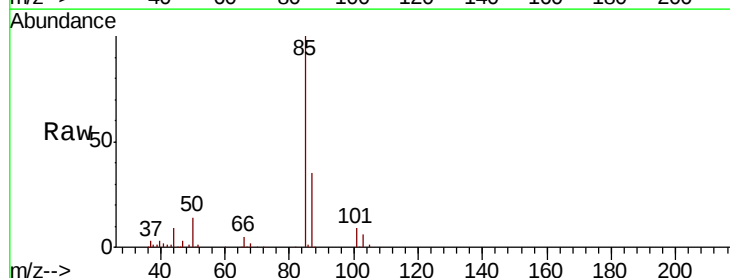
Acq: 23 Aug 2019 14:47

Tgt Ion: 85 Resp: 90671

Ion Ratio Lower Upper

85 100

87 34.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

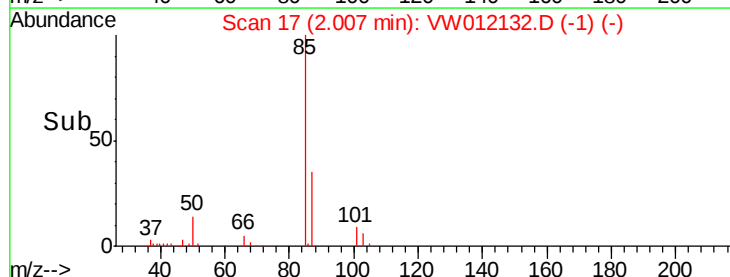
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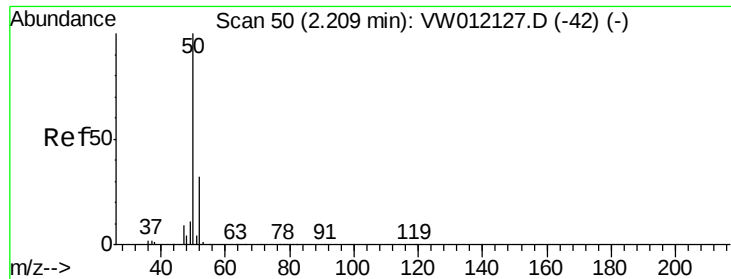
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Time-->

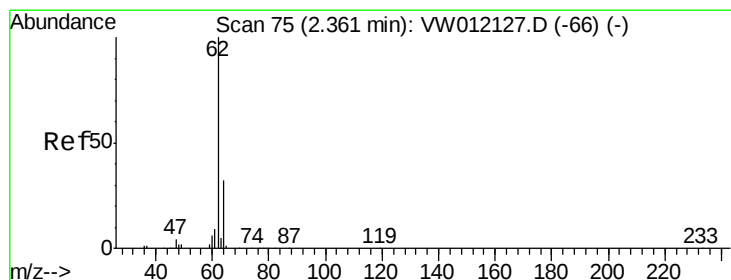
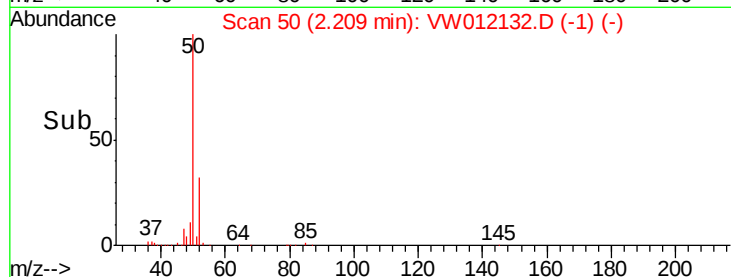
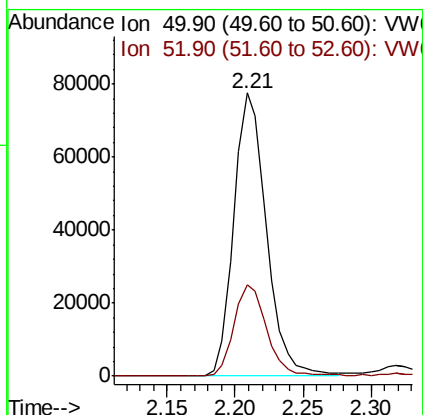
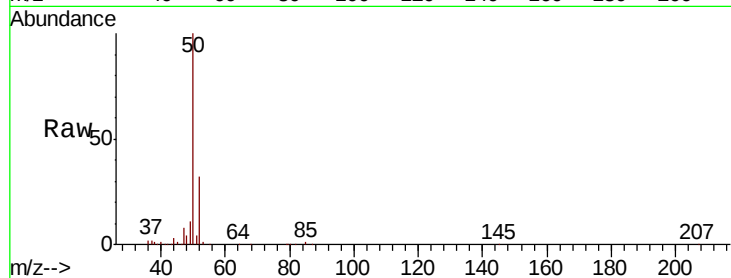




#3
Chloromethane
Concen: 49.866 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

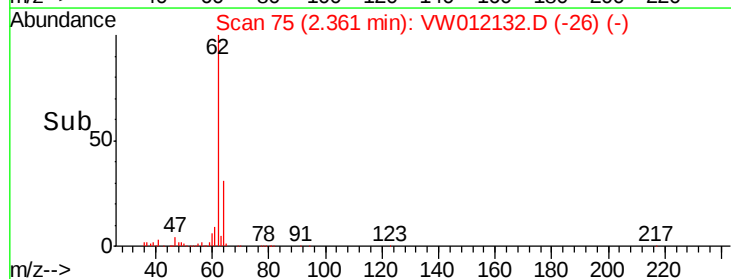
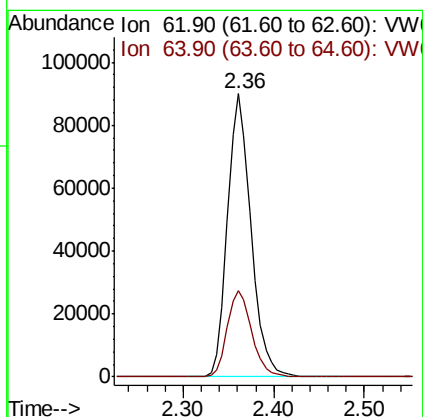
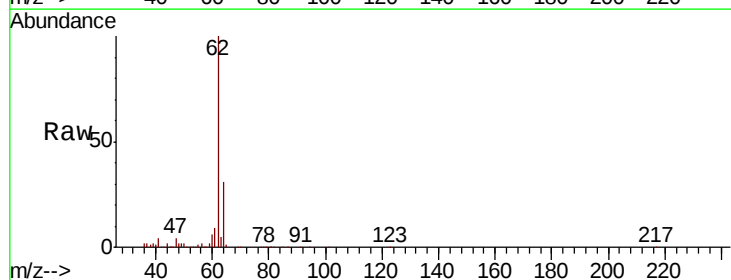
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

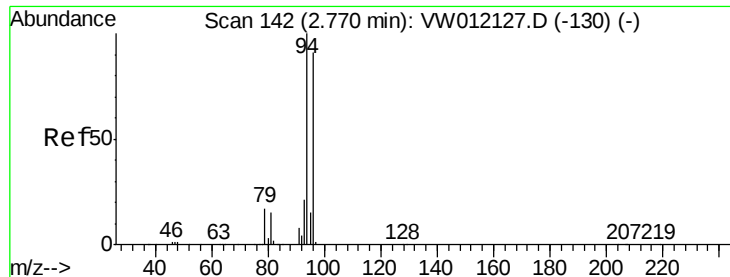
Tgt Ion: 50 Resp: 129051
Ion Ratio Lower Upper
50 100
52 32.1 25.5 38.3



#4
Vinyl Chloride
Concen: 51.175 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 62 Resp: 162099
Ion Ratio Lower Upper
62 100
64 30.5 25.3 37.9





#5

Bromomethane

Concen: 50.276 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

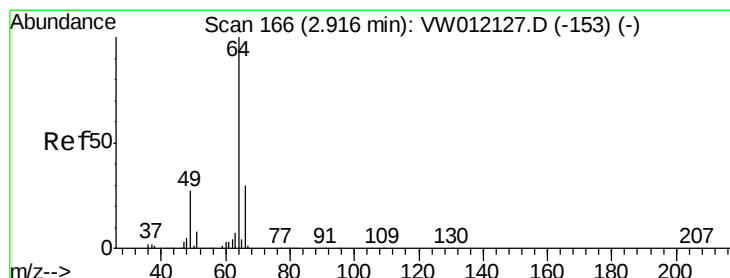
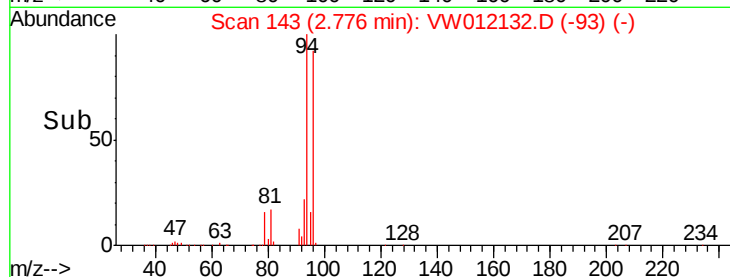
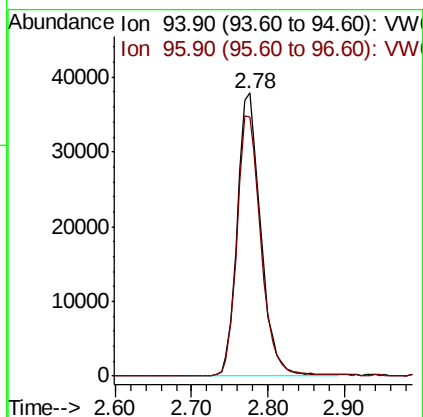
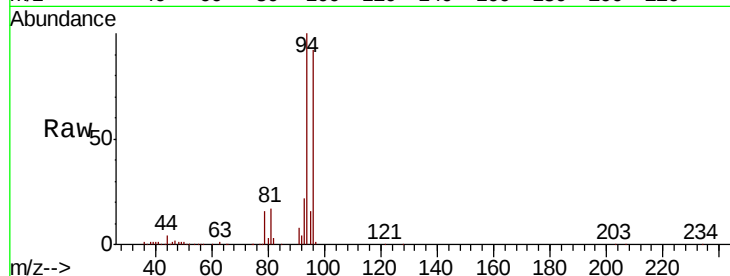
VSTDCCC050

Tgt Ion: 94 Resp: 80652

Ion Ratio Lower Upper

94 100

96 91.5 72.9 109.3



#6

Chloroethane

Concen: 51.599 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012132.D

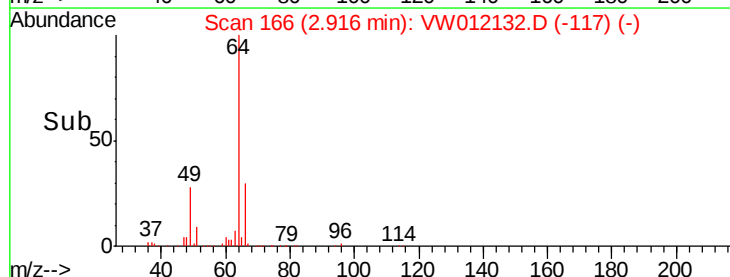
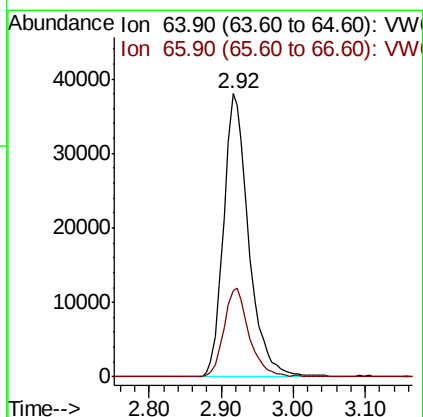
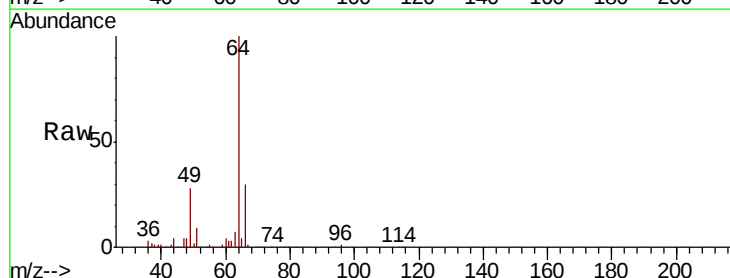
Acq: 23 Aug 2019 14:47

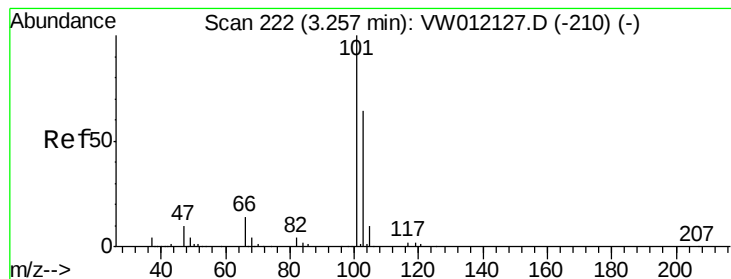
Tgt Ion: 64 Resp: 92200

Ion Ratio Lower Upper

64 100

66 30.4 23.8 35.8



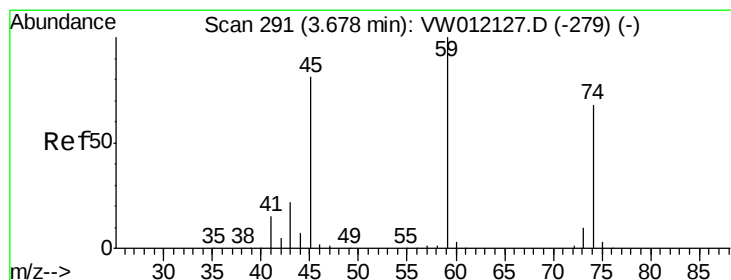
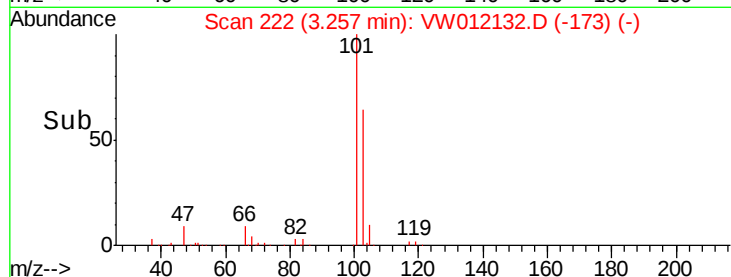
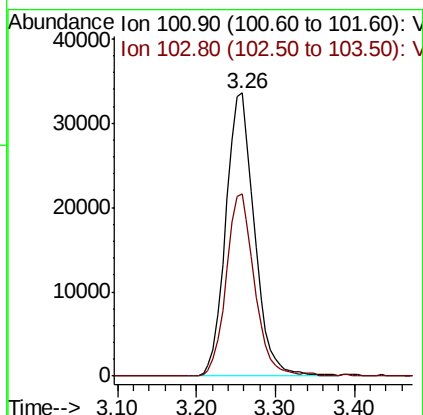
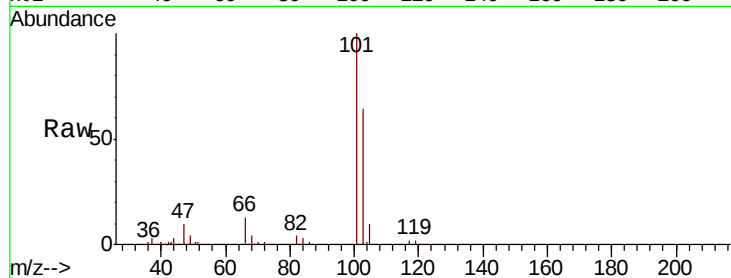


#7

Trichlorofluoromethane
 Concen: 53.322 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

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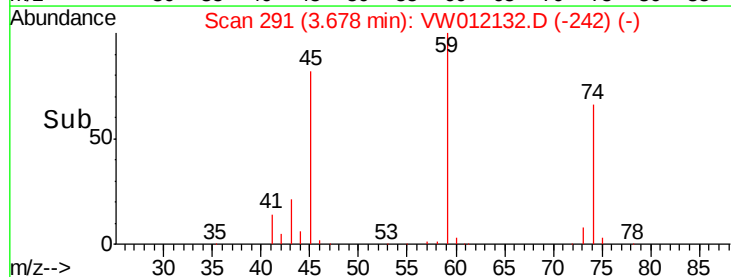
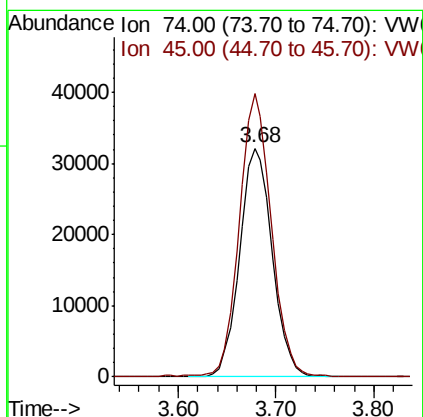
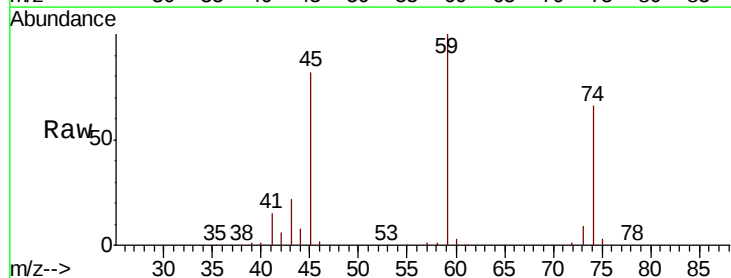
Tgt Ion:101 Resp: 84810
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.2 76.8

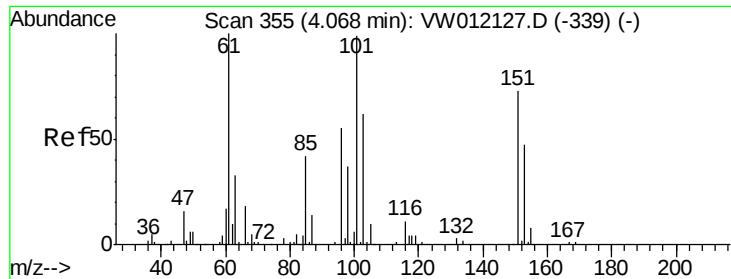


#8

Diethyl Ether
 Concen: 49.064 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion: 74 Resp: 74072
 Ion Ratio Lower Upper
 74 100
 45 120.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.024 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

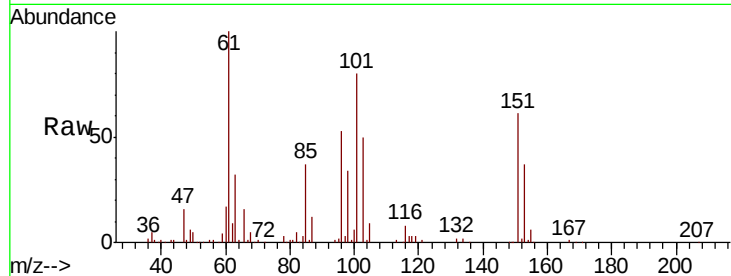
Tgt Ion:101 Resp: 135241

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

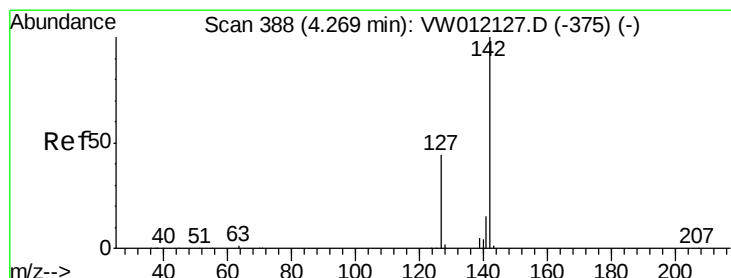
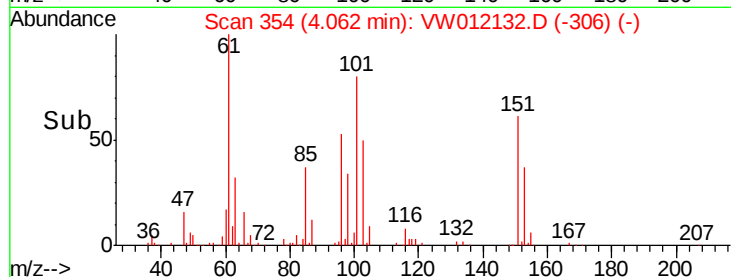
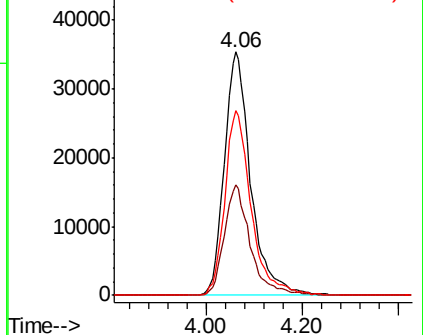
151 75.2 58.6 87.8



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: 49.885 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

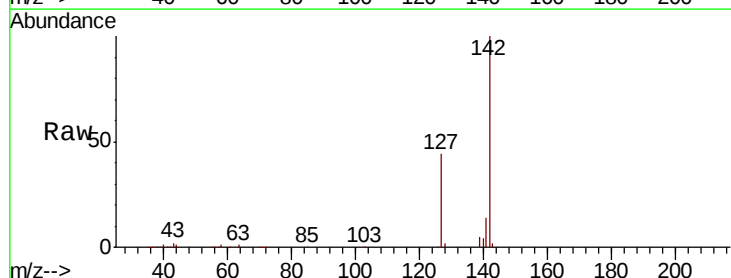
Tgt Ion:142 Resp: 182479

Ion Ratio Lower Upper

142 100

127 44.3 35.5 53.3

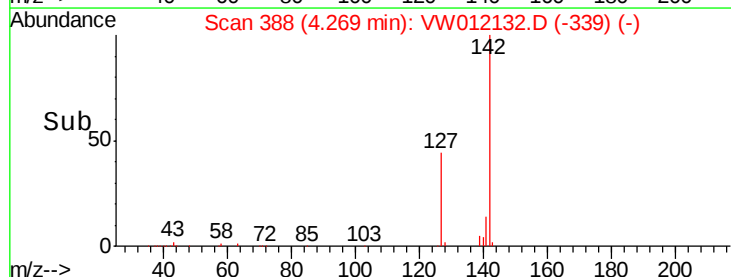
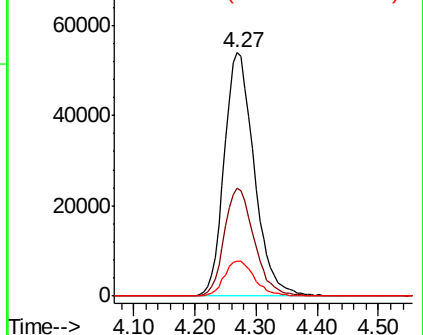
141 14.7 11.8 17.8

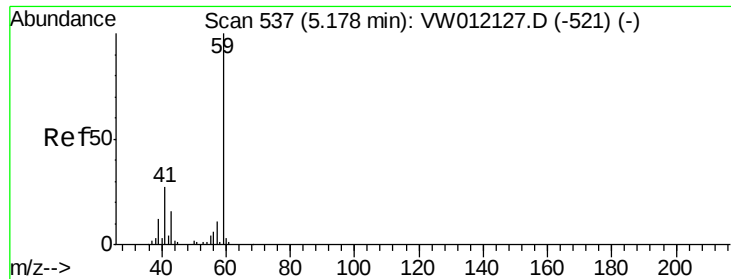


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

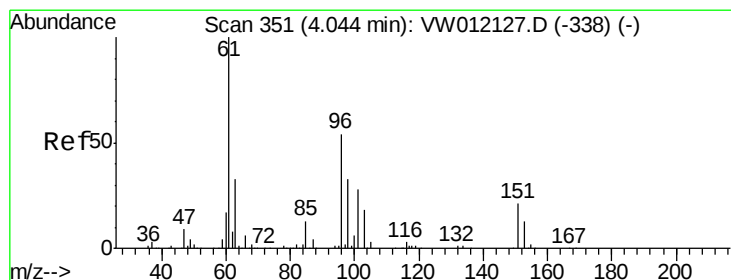
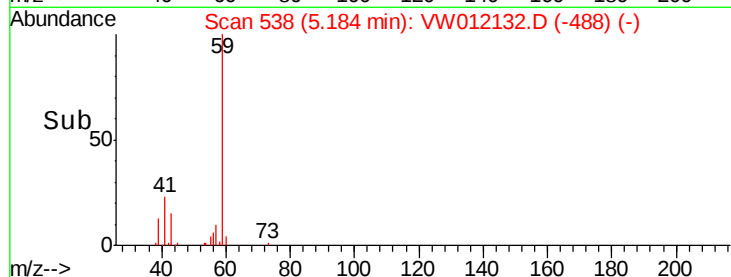
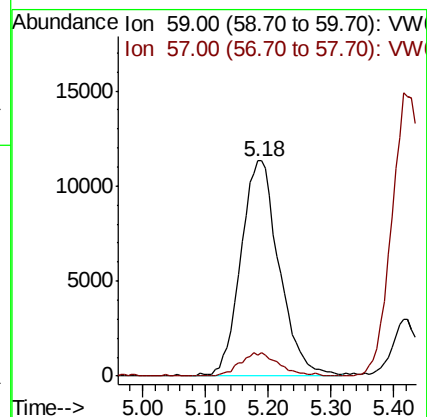
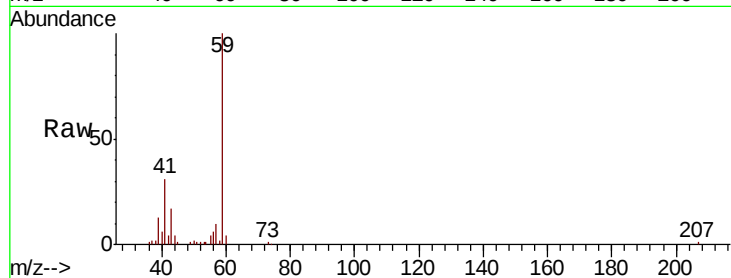




#11
Tert butyl alcohol
Concen: 246.771 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

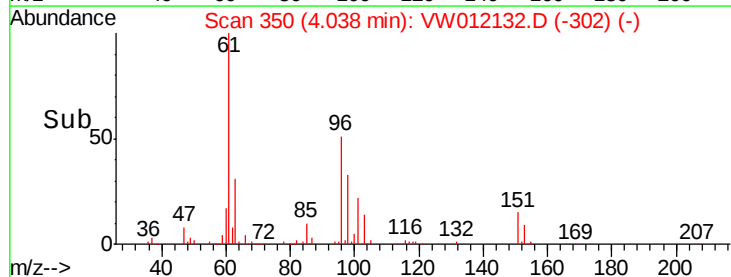
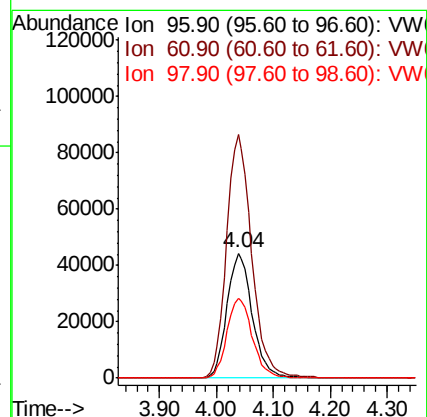
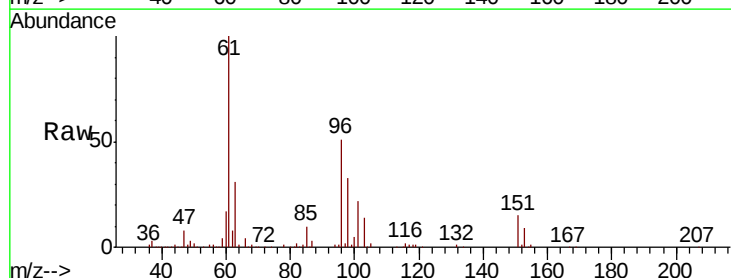
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

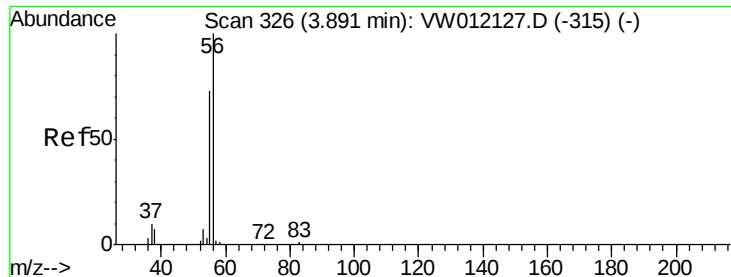
Tgt Ion: 59 Resp: 47892
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4



#12
1,1-Dichloroethene
Concen: 50.579 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 96 Resp: 137632
Ion Ratio Lower Upper
96 100
61 194.8 149.1 223.7
98 63.4 49.4 74.2





#13

Acrolein

Concen: 230.909 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

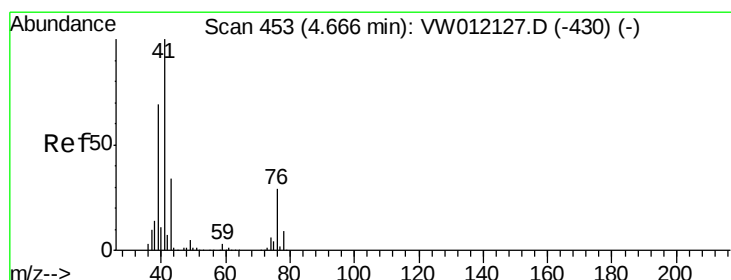
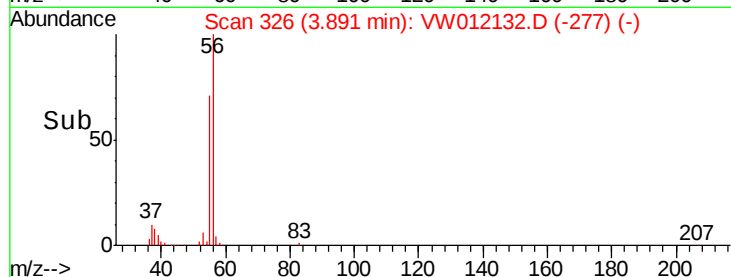
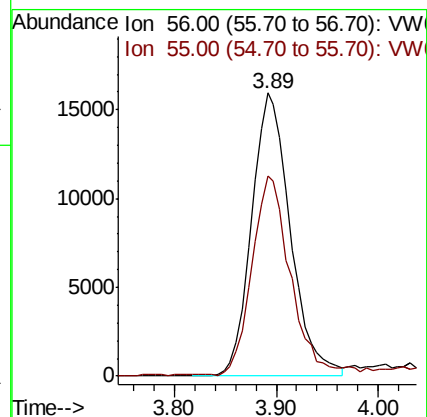
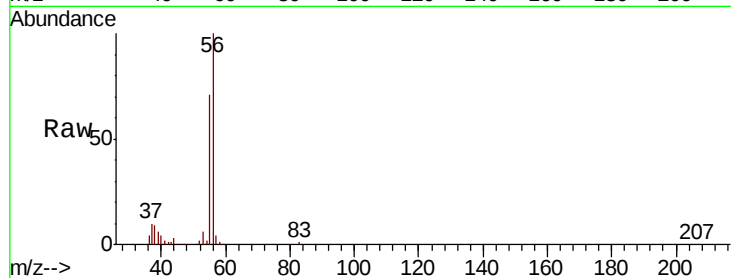
VSTDCCC050

Tgt Ion: 56 Resp: 42184

Ion Ratio Lower Upper

56 100

55 71.1 55.8 83.8



#14

Allyl chloride

Concen: 51.636 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

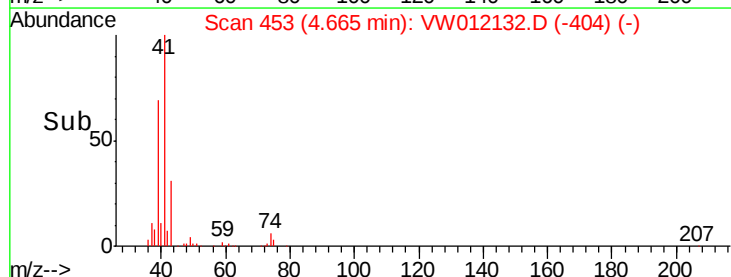
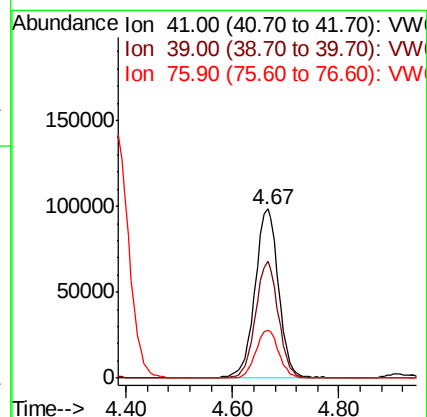
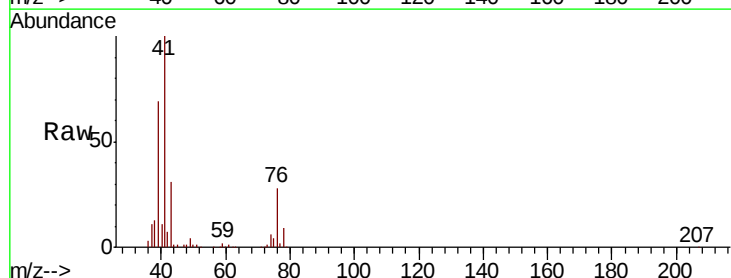
Tgt Ion: 41 Resp: 300383

Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 243.584 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

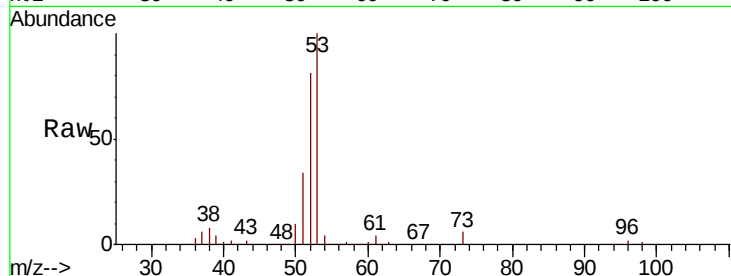
Tgt Ion: 53 Resp: 182274

Ion Ratio Lower Upper

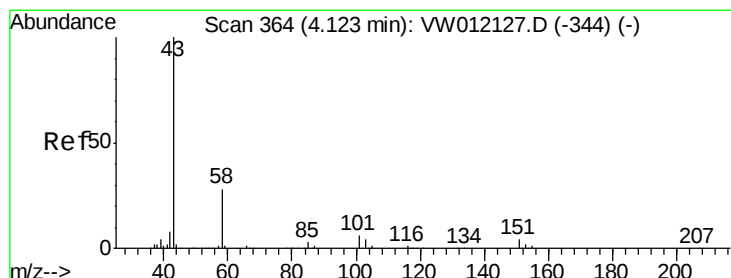
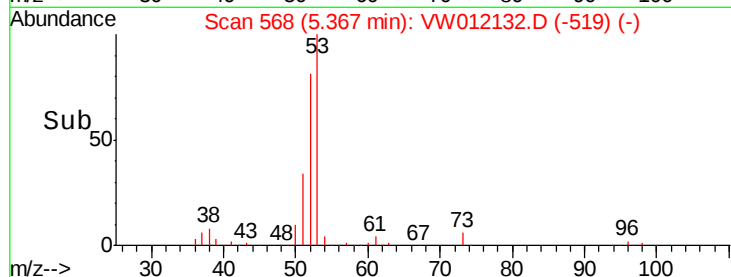
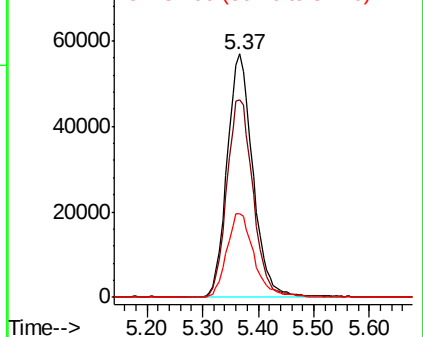
53 100

52 82.4 66.7 100.1

51 36.5 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 260.476 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012132.D

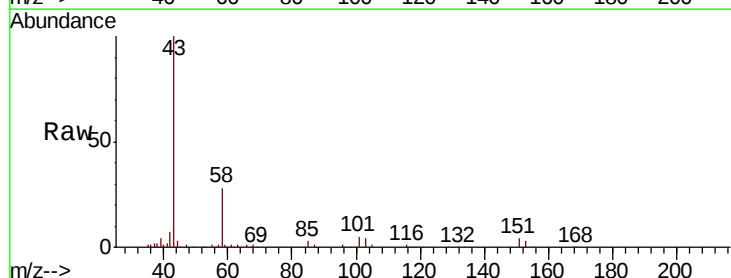
Acq: 23 Aug 2019 14:47

Tgt Ion: 43 Resp: 214726

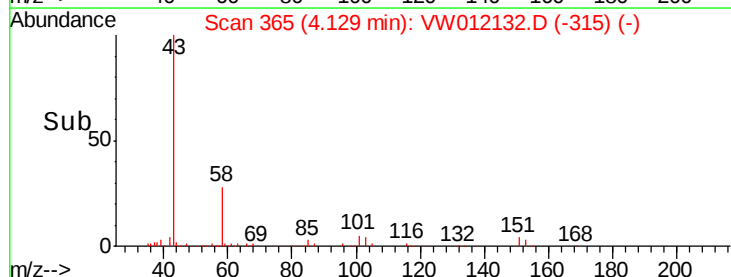
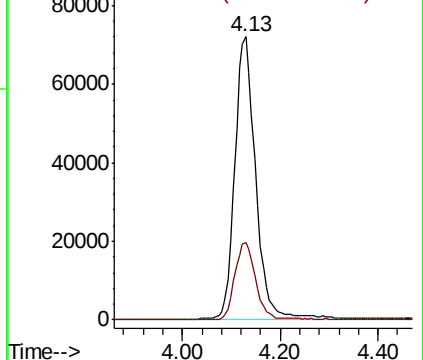
Ion Ratio Lower Upper

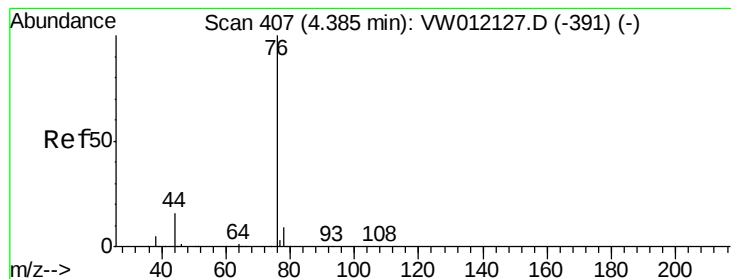
43 100

58 27.5 22.4 33.6



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





#17

Carbon Disulfide

Concen: 53.238 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

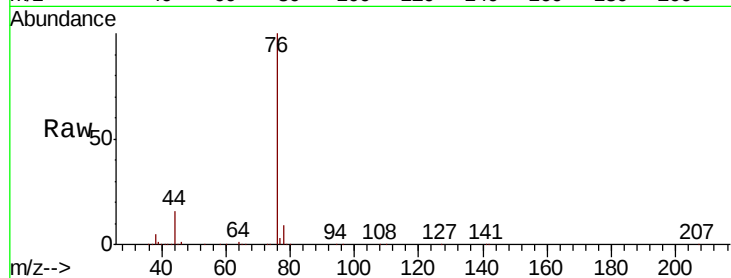
VSTDCCC050

Tgt Ion: 76 Resp: 437815

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

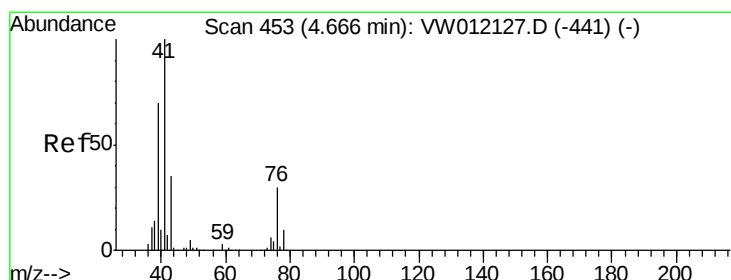
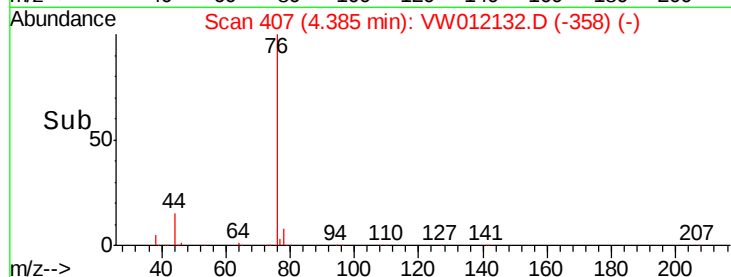
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.743 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012132.D

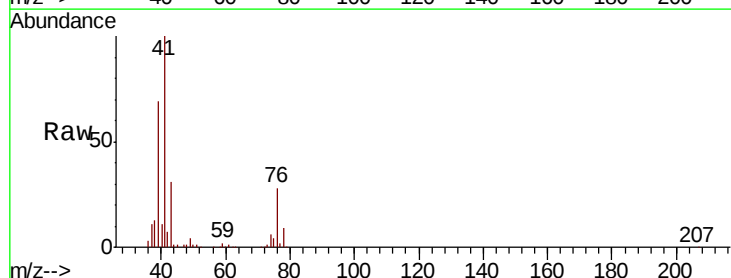
Acq: 23 Aug 2019 14:47

Tgt Ion: 43 Resp: 95440

Ion Ratio Lower Upper

43 100

74 19.3 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

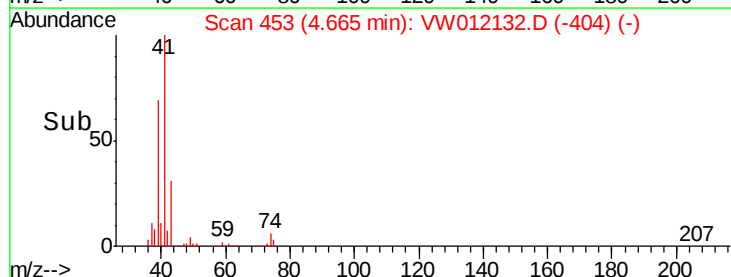
30000

20000

10000

0

Time-->

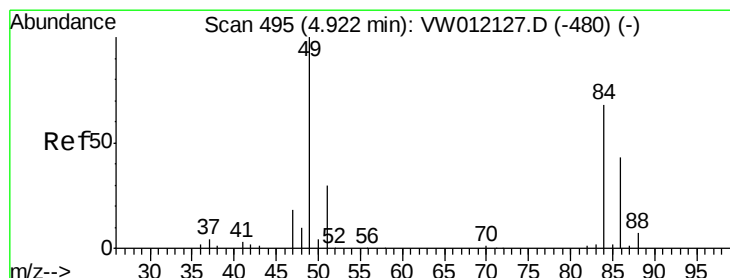
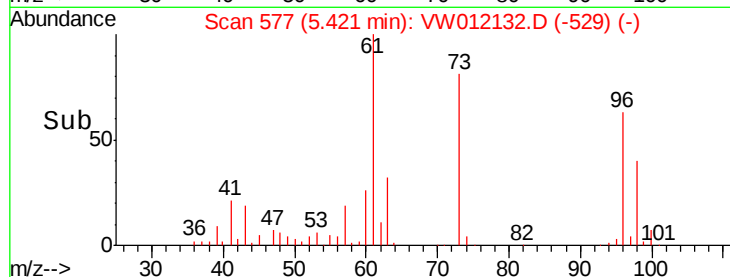
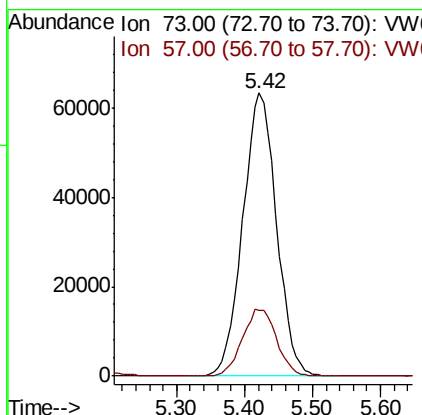
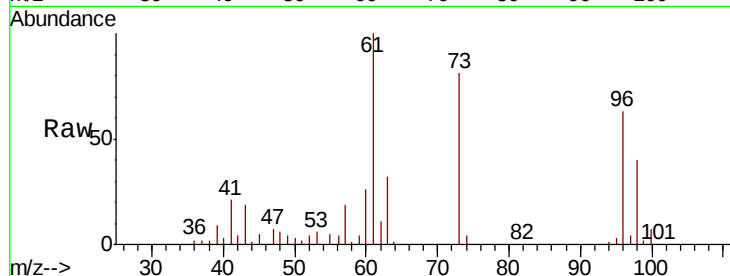




#19
Methyl tert-butyl Ether
Concen: 49.651 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

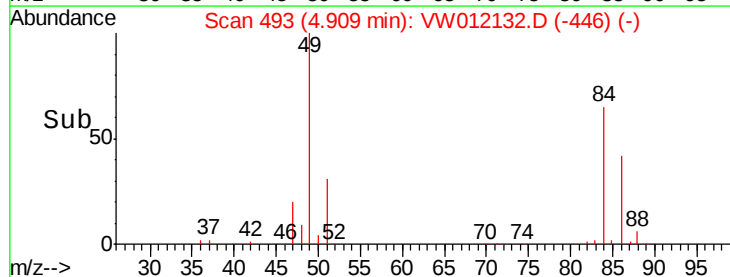
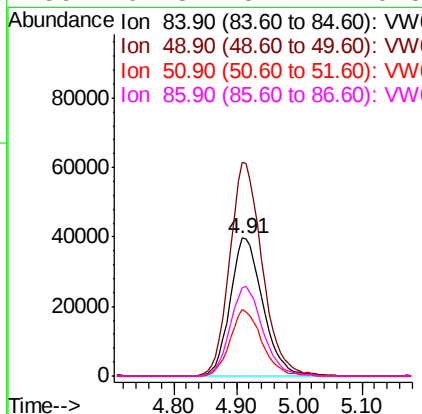
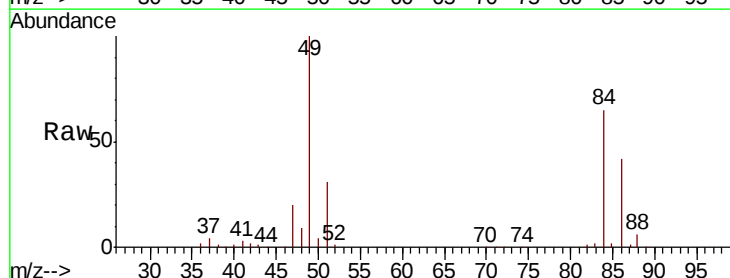
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

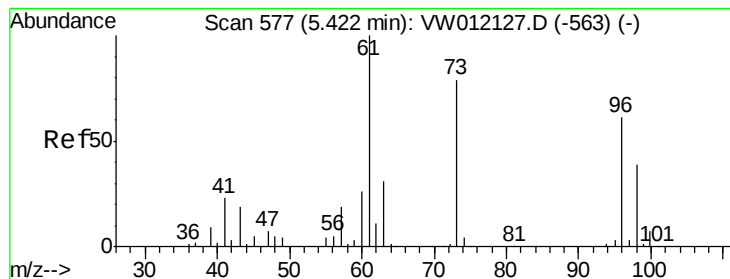
Tgt Ion: 73 Resp: 218490
Ion Ratio Lower Upper
73 100
57 23.2 18.9 28.3



#20
Methylene Chloride
Concen: 45.978 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 84 Resp: 143286
Ion Ratio Lower Upper
84 100
49 154.8 117.8 176.8
51 48.4 35.6 53.4
86 64.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.164 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

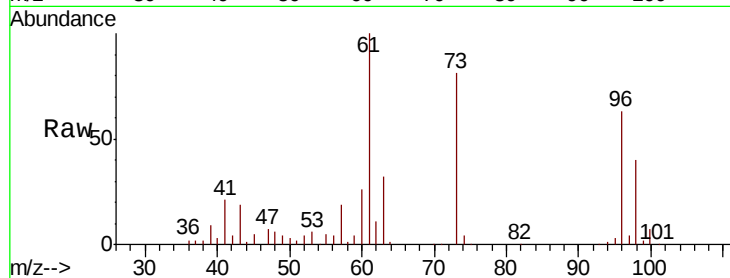
Tgt Ion: 96 Resp: 146379

Ion Ratio Lower Upper

96 100

61 158.3 131.4 197.0

98 63.6 51.4 77.0

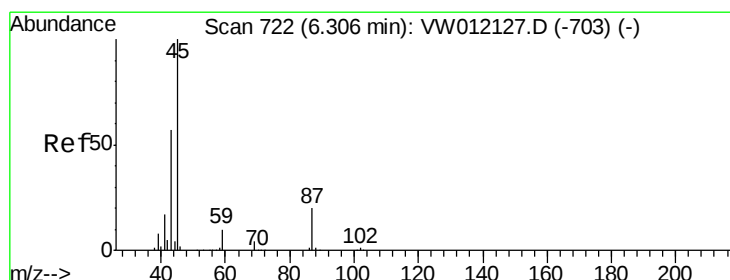
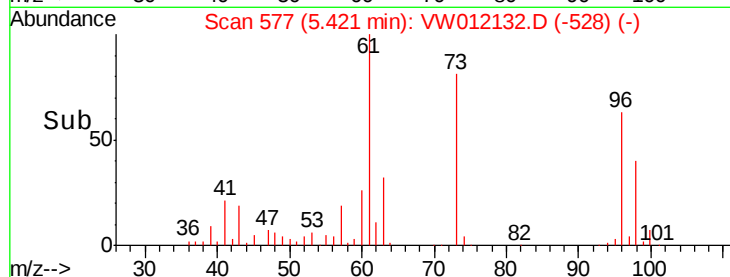
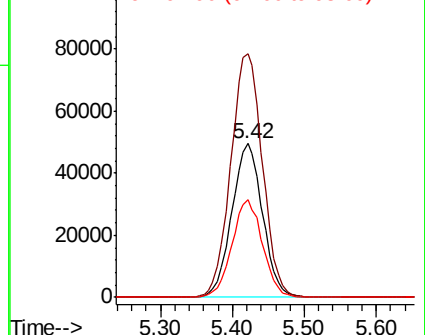


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 49.705 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion: 45 Resp: 535969

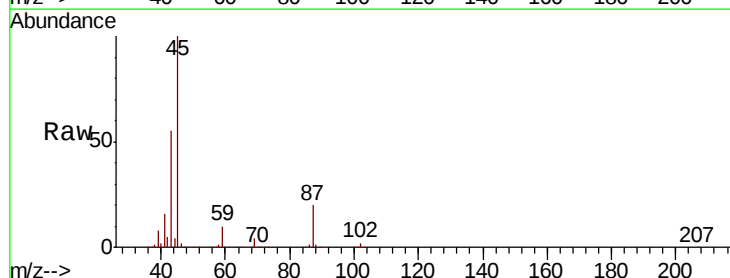
Ion Ratio Lower Upper

45 100

43 55.1 45.5 68.3

87 20.4 16.1 24.1

59 10.0 8.2 12.2



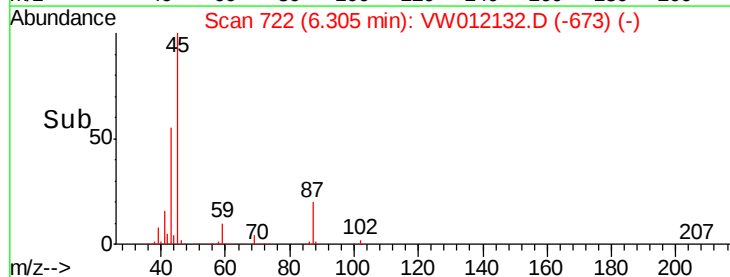
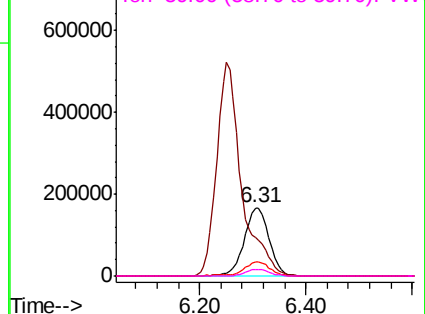
Abundance

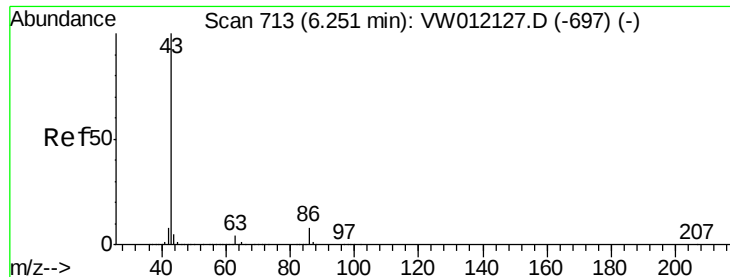
Ion 45.00 (44.70 to 45.70): VW

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: 255.040 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

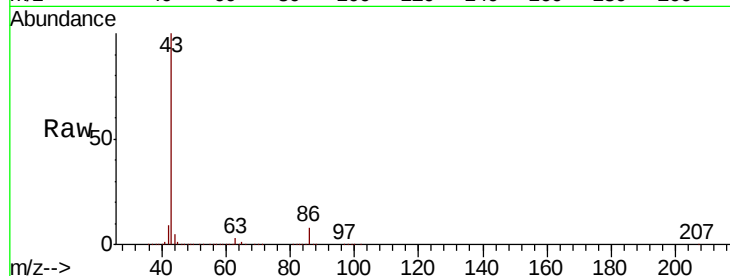
VSTDCCC050

Tgt Ion: 43 Resp: 1692458

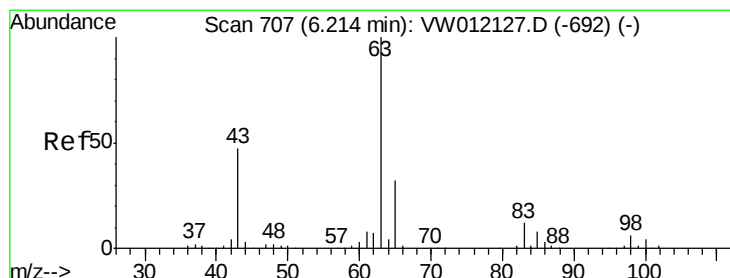
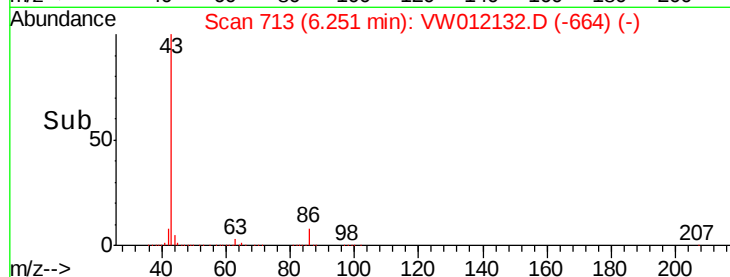
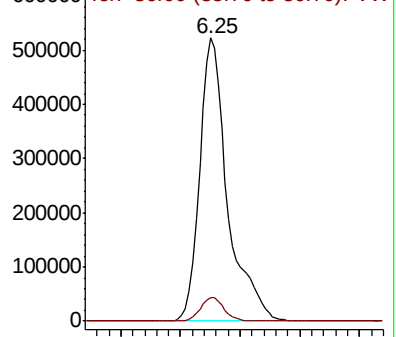
Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.823 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

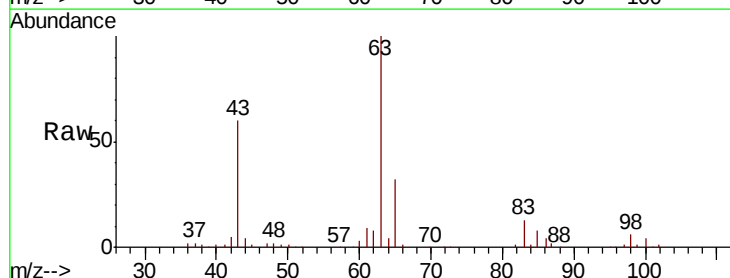
Tgt Ion: 63 Resp: 286648

Ion Ratio Lower Upper

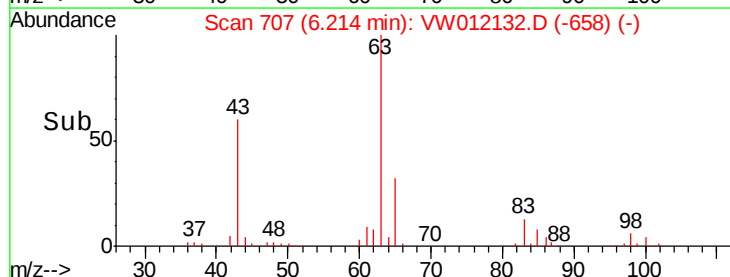
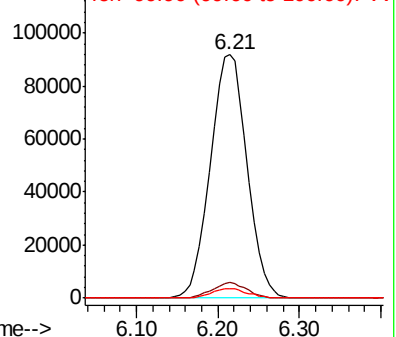
63 100

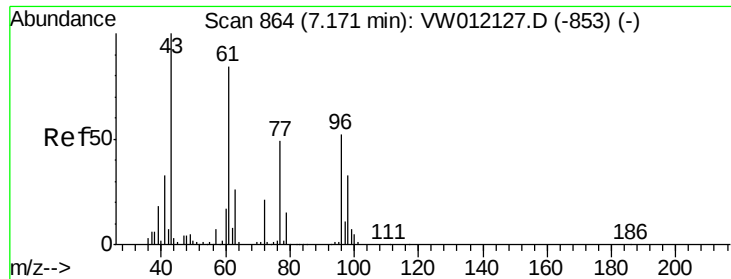
98 6.5 3.0 9.2

100 4.0 2.0 6.0



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: 245.793 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

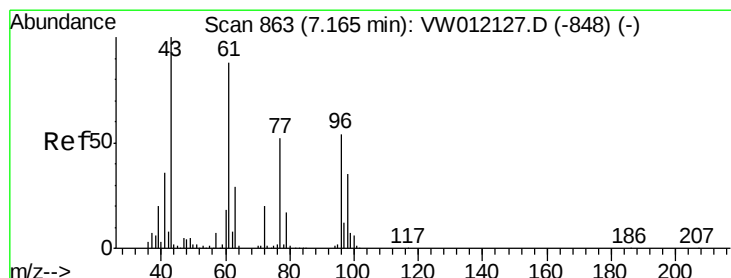
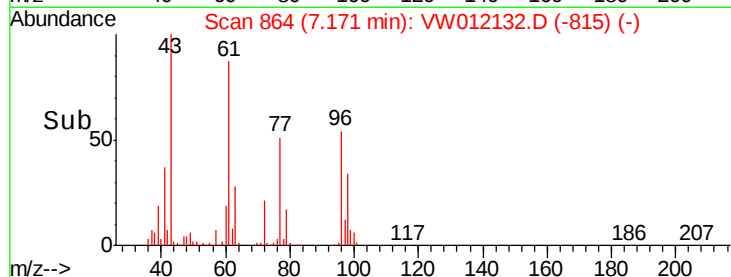
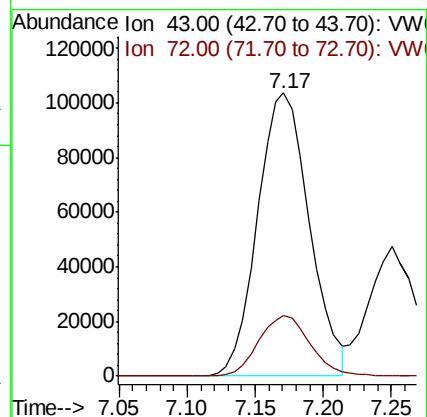
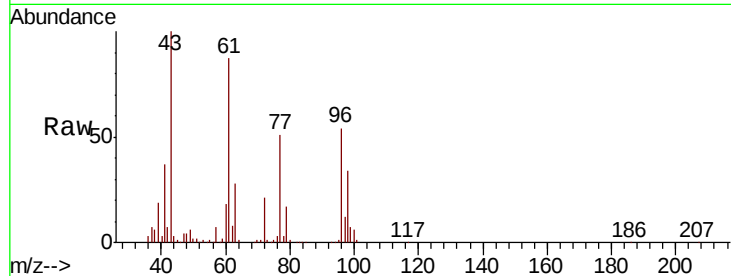
VSTDCCC050

Tgt Ion: 43 Resp: 275340

Ion Ratio Lower Upper

43 100

72 21.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 50.620 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012132.D

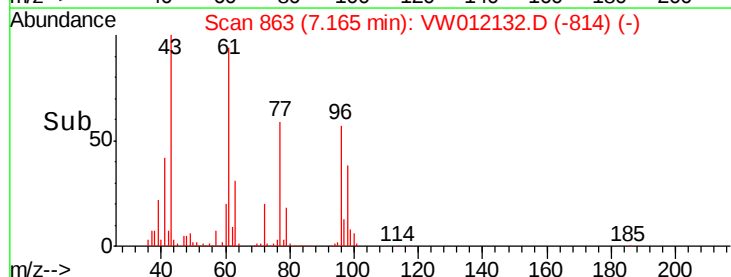
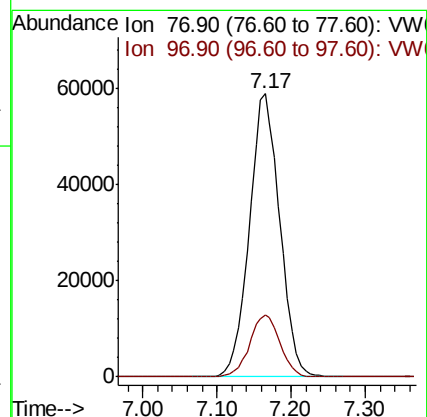
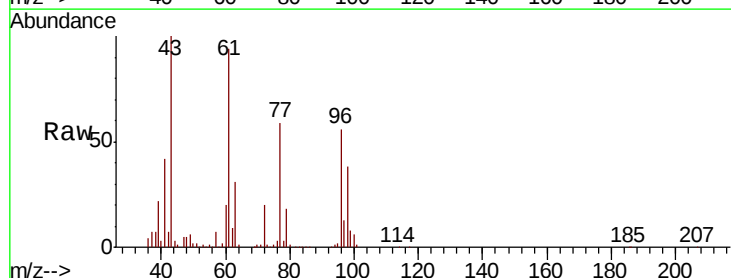
Acq: 23 Aug 2019 14:47

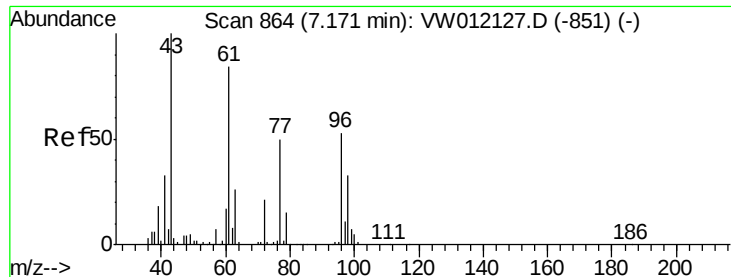
Tgt Ion: 77 Resp: 168218

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.1



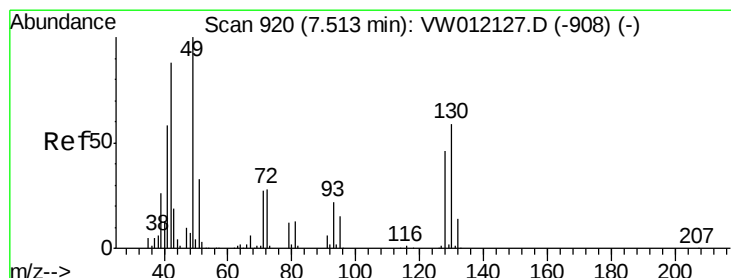
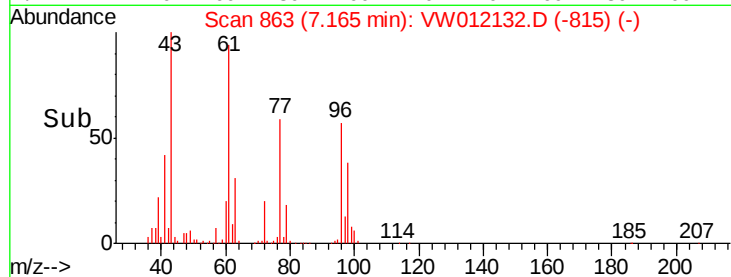
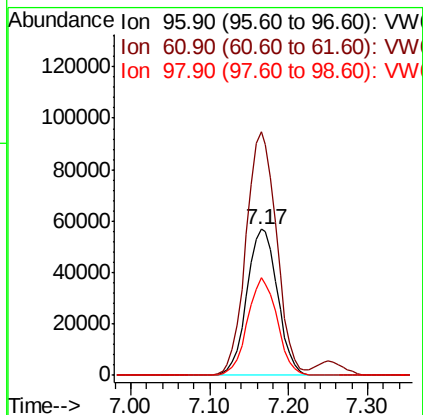
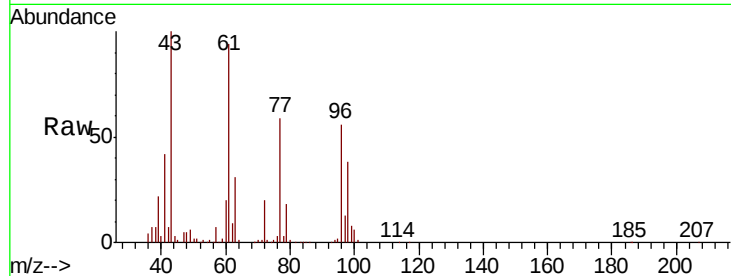


#27

cis-1,2-Dichloroethene
 Concen: 49.274 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

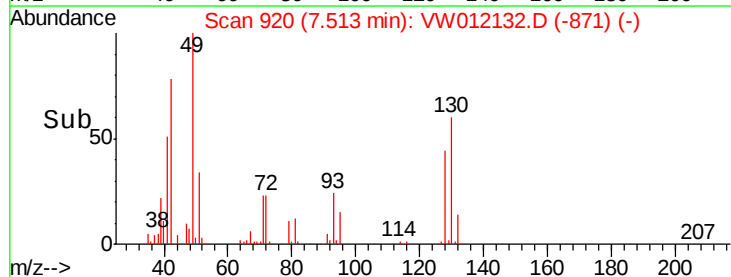
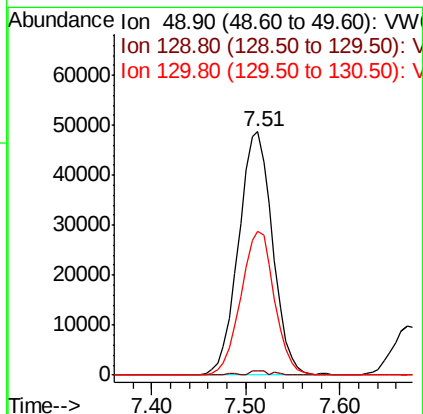
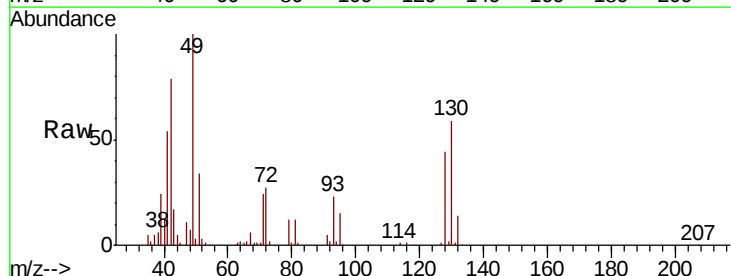
Tgt Ion: 96 Resp: 153617
 Ion Ratio Lower Upper
 96 100
 61 165.6 0.0 326.6
 98 64.3 0.0 127.4

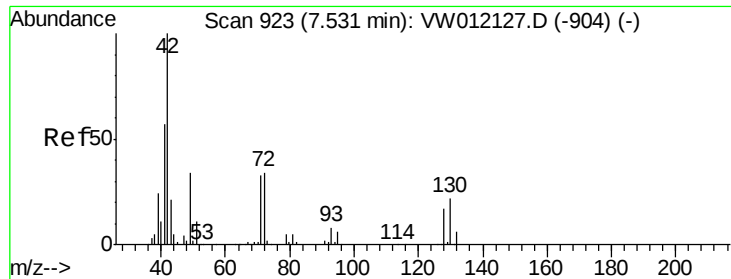


#28

Bromochloromethane
 Concen: 48.108 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion: 49 Resp: 123106
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.4
 130 58.6 45.5 68.3

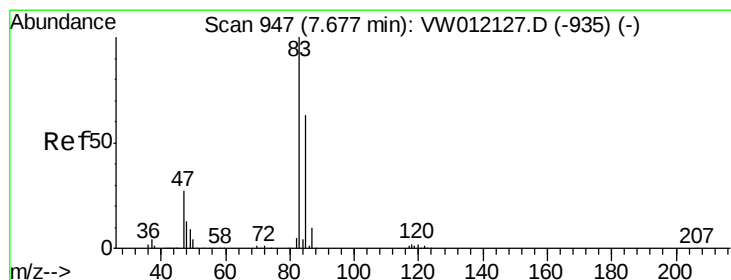
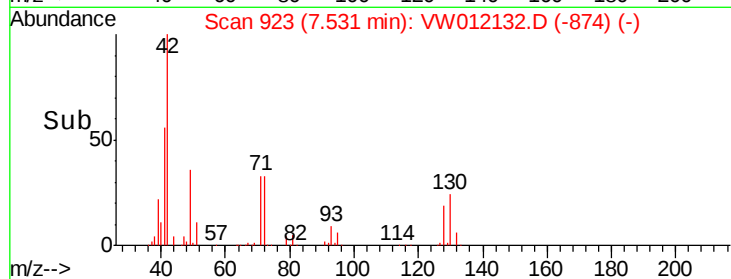
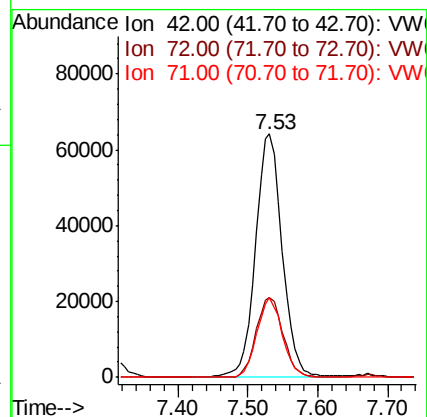
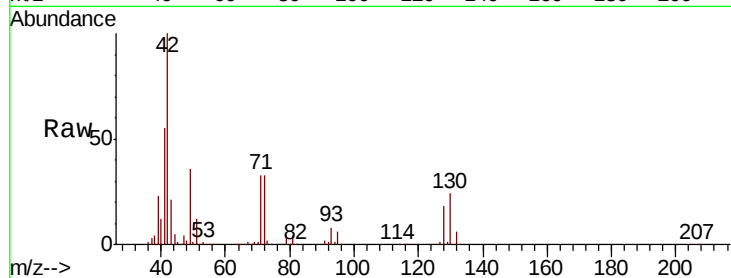




#29
Tetrahydrofuran
Concen: 252.538 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

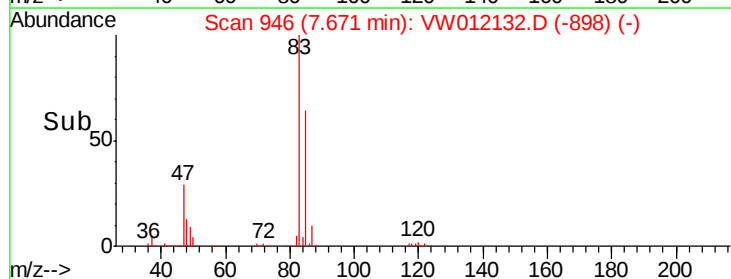
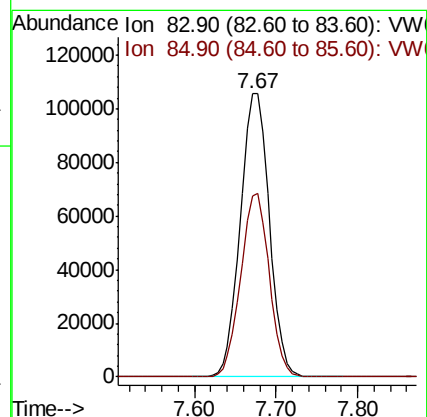
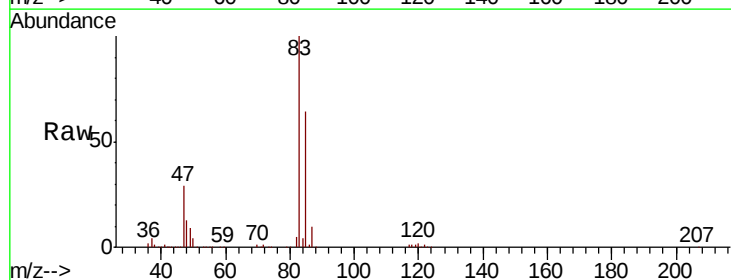
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

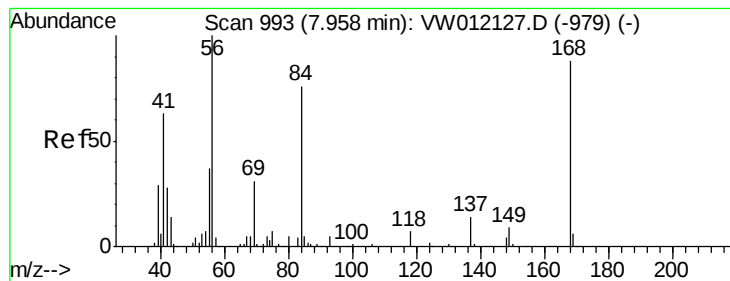
Tgt Ion: 42 Resp: 169725
Ion Ratio Lower Upper
42 100
72 33.1 27.3 40.9
71 31.3 25.5 38.3



#30
Chloroform
Concen: 48.409 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 83 Resp: 260028
Ion Ratio Lower Upper
83 100
85 64.0 50.6 76.0





#31

Cyclohexane

Concen: 48.787 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

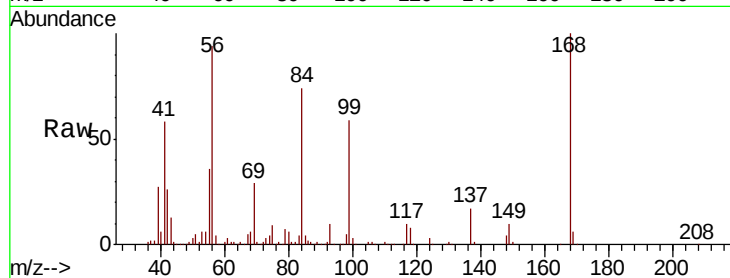
Tgt Ion: 56 Resp: 283390

Ion Ratio Lower Upper

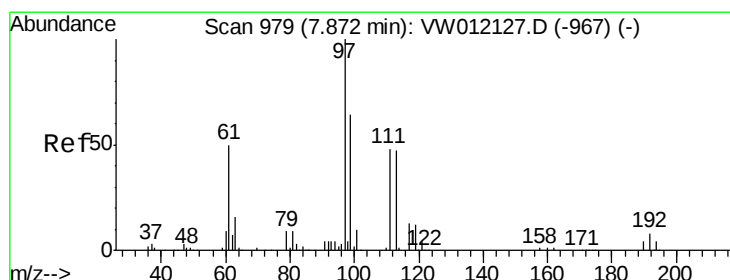
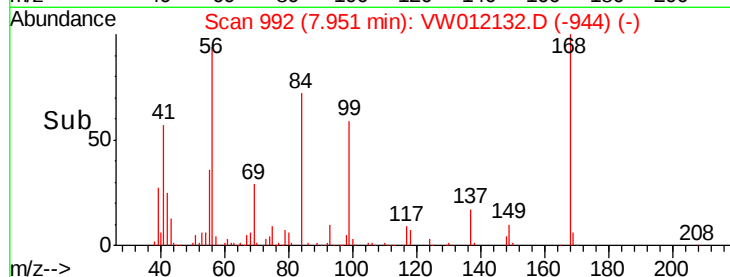
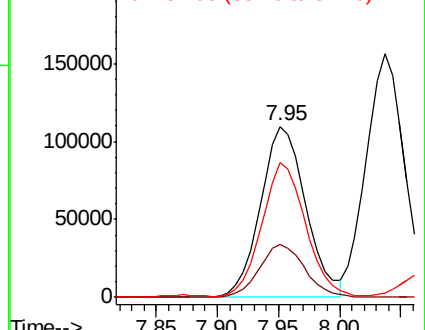
56 100

69 31.0 24.9 37.3

84 77.5 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 49.991 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

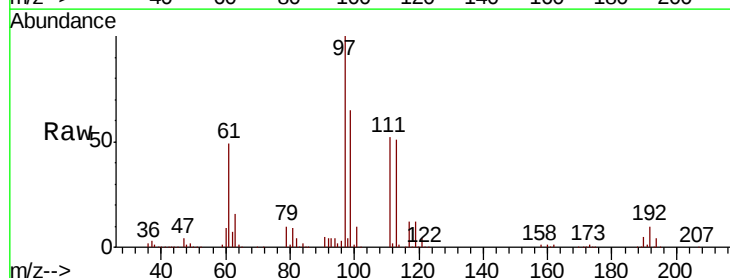
Tgt Ion: 97 Resp: 212428

Ion Ratio Lower Upper

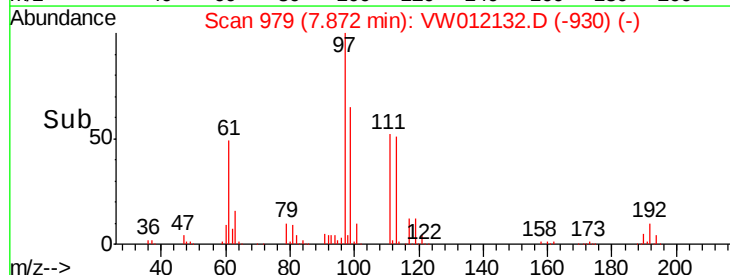
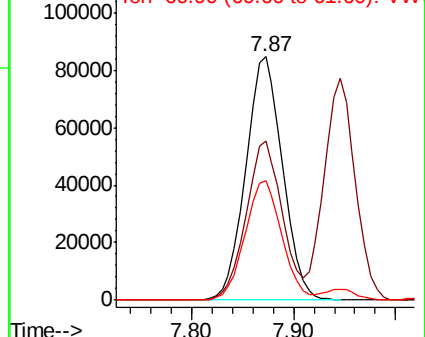
97 100

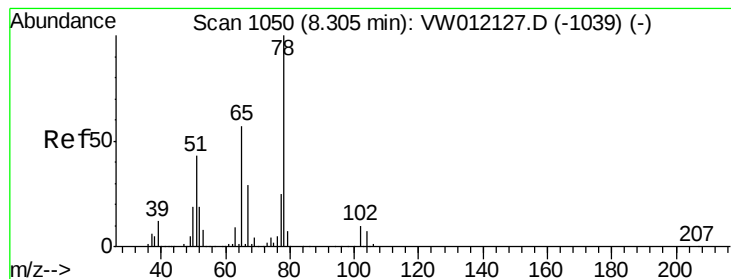
99 64.2 51.4 77.0

61 49.3 39.5 59.3



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: 49.015 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

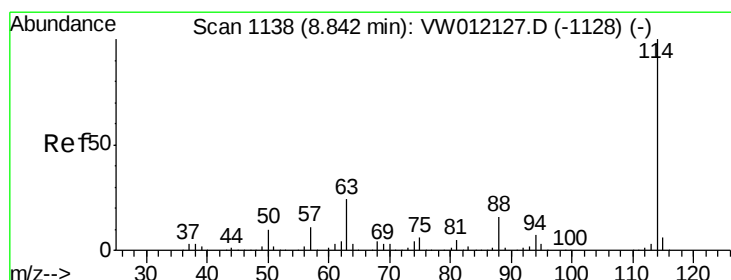
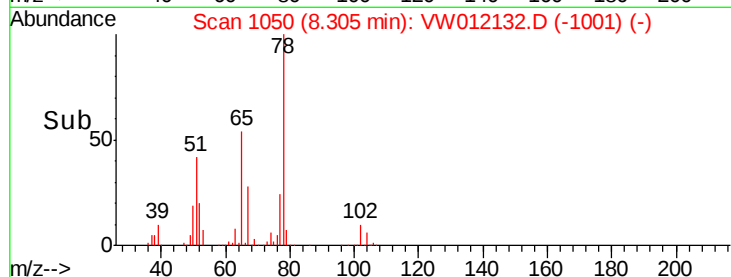
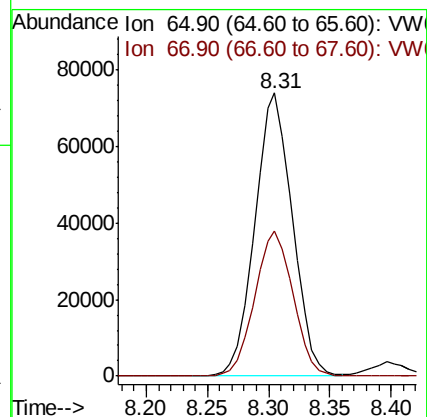
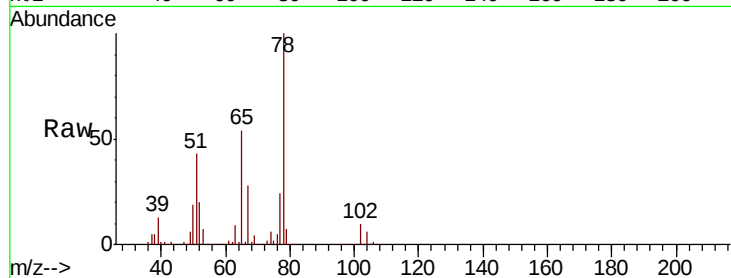
VSTDCCC050

Tgt Ion: 65 Resp: 158069

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

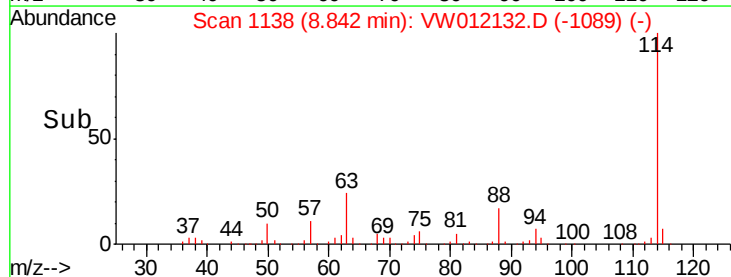
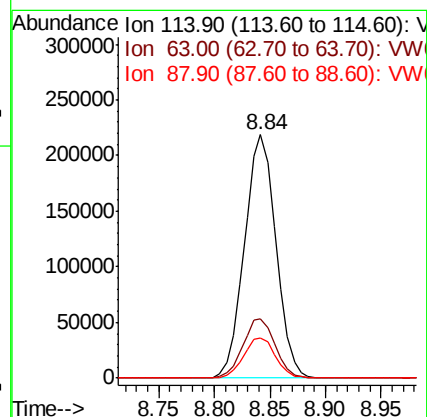
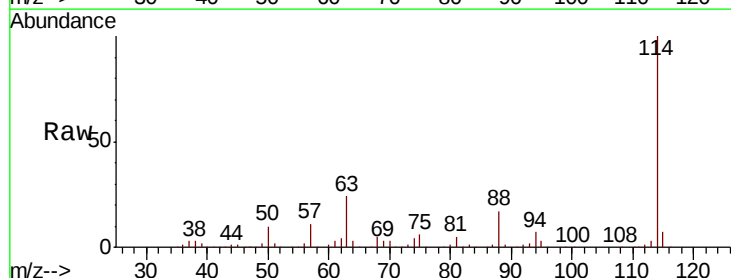
Tgt Ion: 114 Resp: 429048

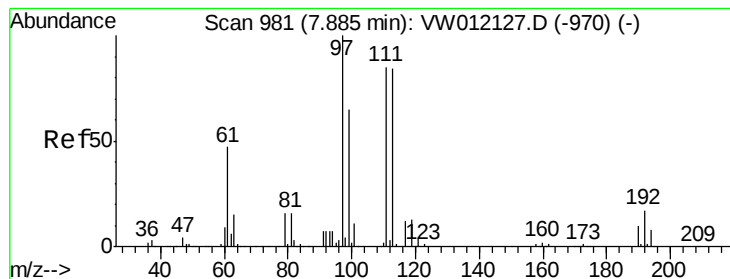
Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.107 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

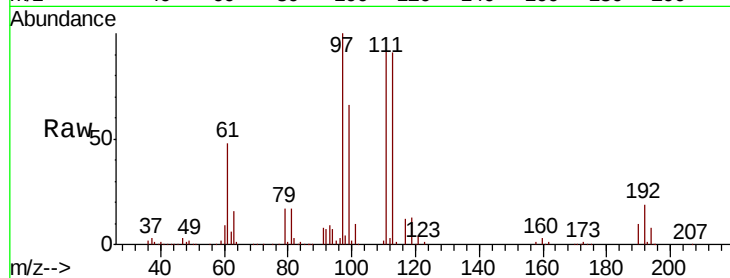
Tgt Ion:113 Resp: 128323

Ion Ratio Lower Upper

113 100

111 101.9 82.7 124.1

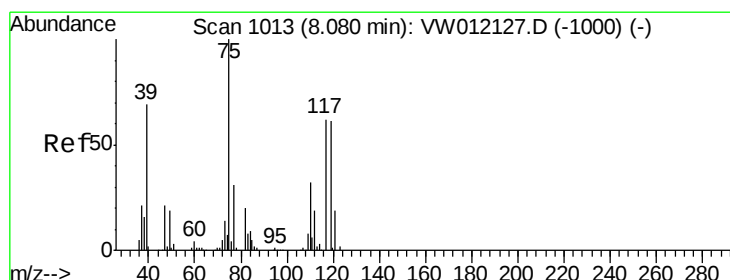
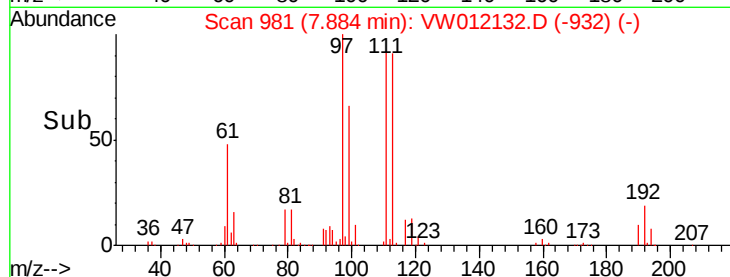
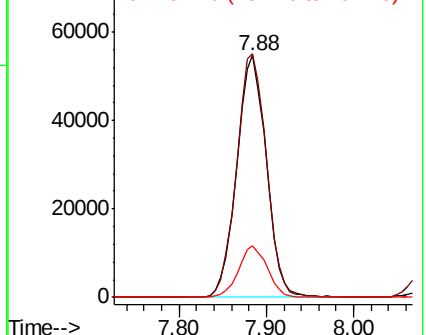
192 20.6 16.2 24.2



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: 51.372 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

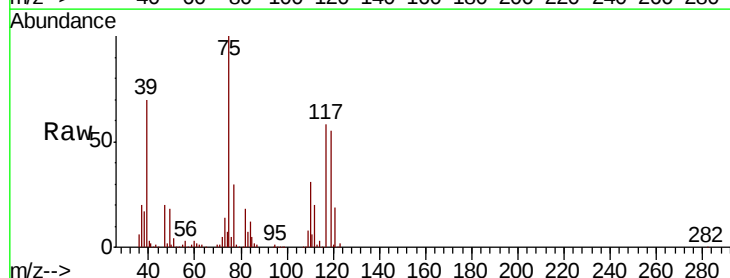
Tgt Ion: 75 Resp: 227770

Ion Ratio Lower Upper

75 100

110 31.0 15.6 46.8

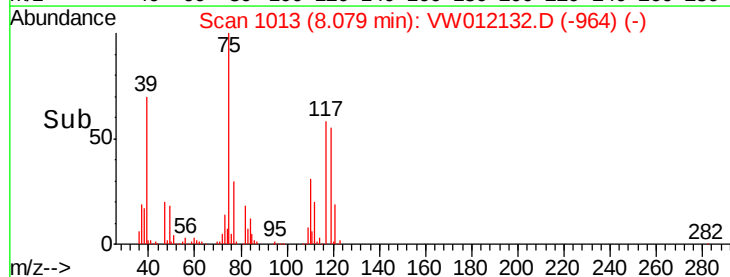
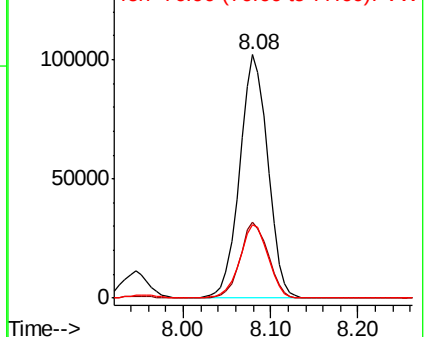
77 30.3 24.6 36.8

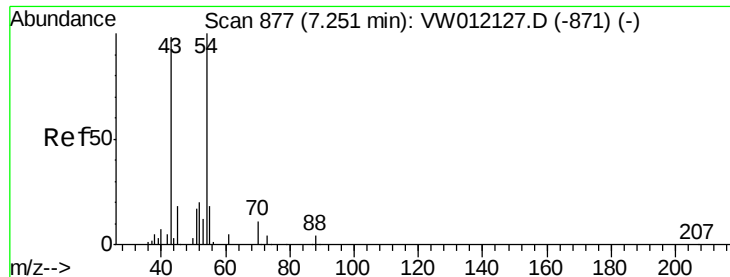


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

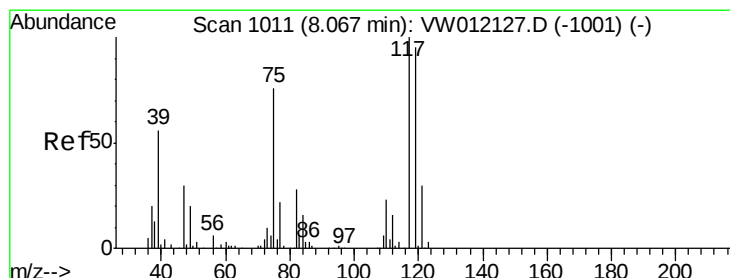
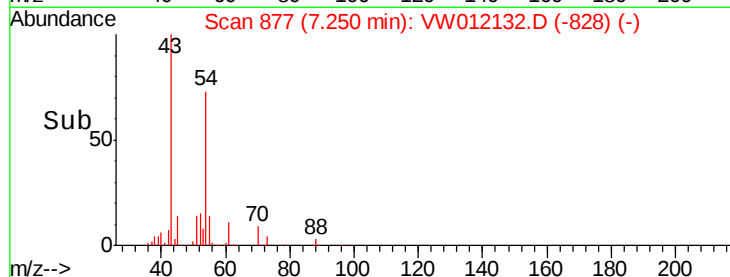
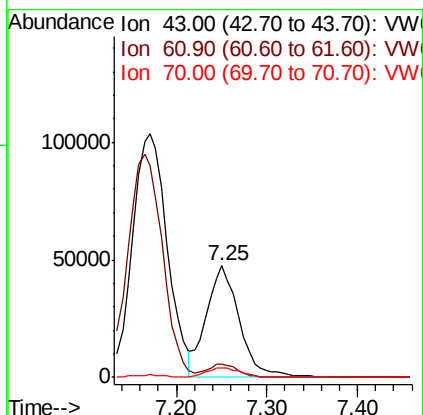
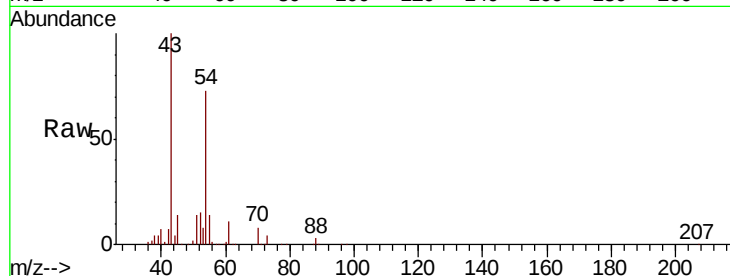




#37
Ethyl Acetate
Concen: 49.256 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

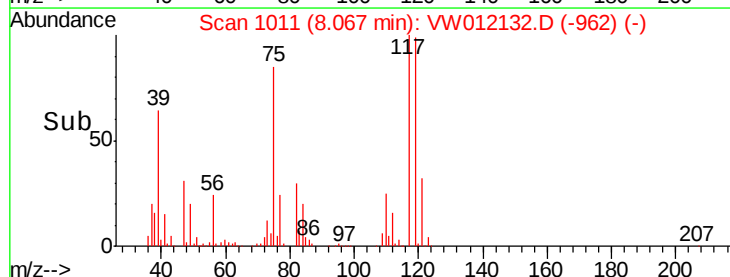
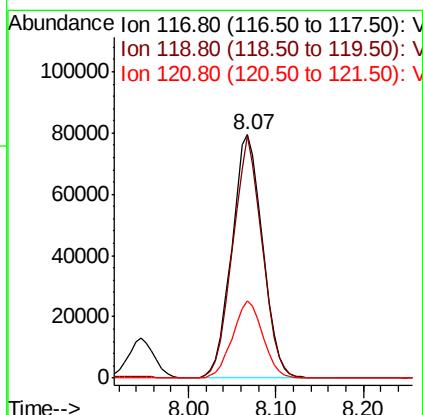
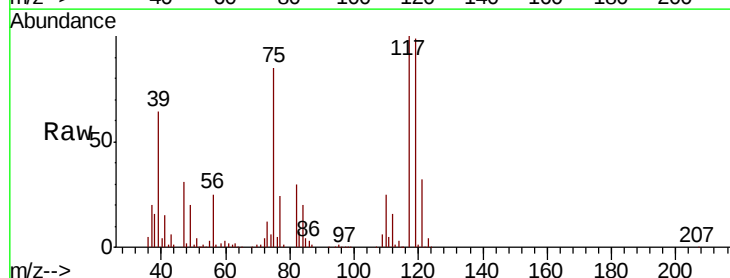
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

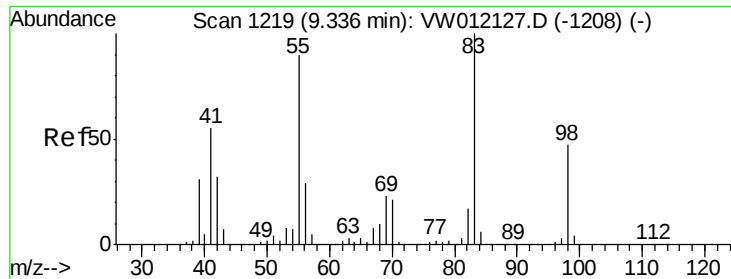
Tgt Ion: 43 Resp: 119673
Ion Ratio Lower Upper
43 100
61 11.7 9.2 13.8
70 9.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 50.709 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 117 Resp: 194594
Ion Ratio Lower Upper
117 100
119 99.4 76.2 114.2
121 31.9 23.8 35.8

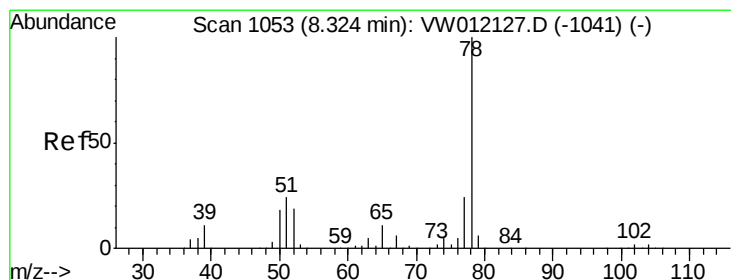
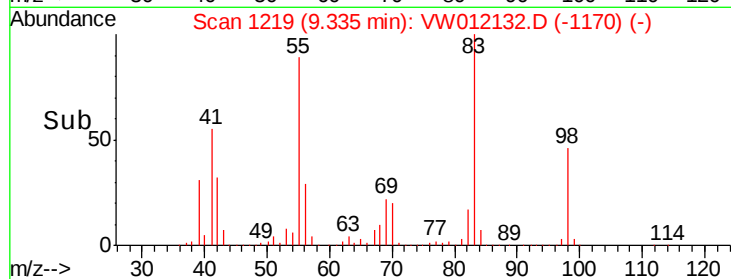
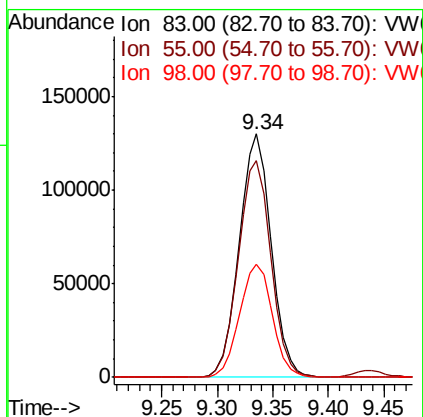
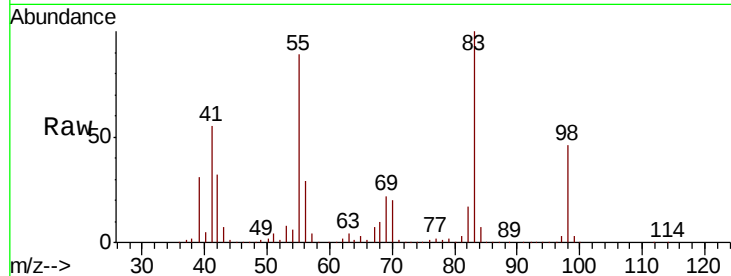




#39
Methylcyclohexane
Concen: 52.092 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

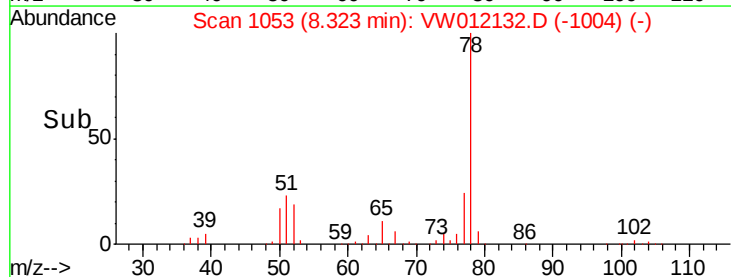
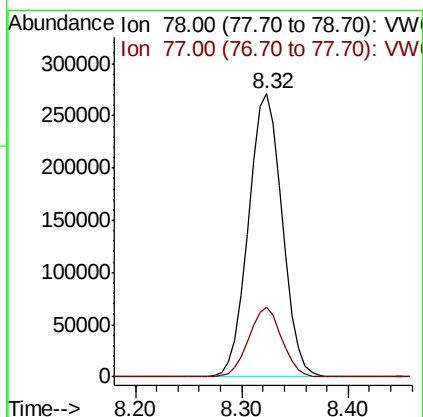
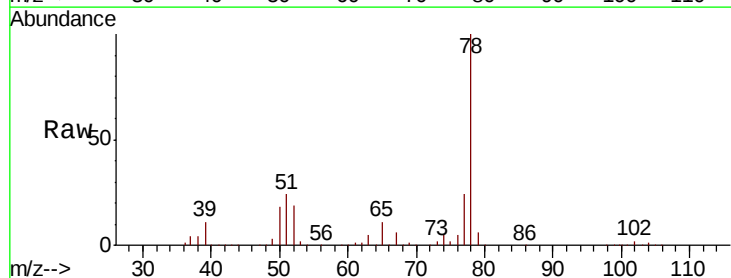
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 259465
Ion Ratio Lower Upper
83 100
55 89.1 71.8 107.8
98 46.2 37.8 56.8



#40
Benzene
Concen: 49.922 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 78 Resp: 604385
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3





#41

Methacrylonitrile

Concen: 48.739 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 69597

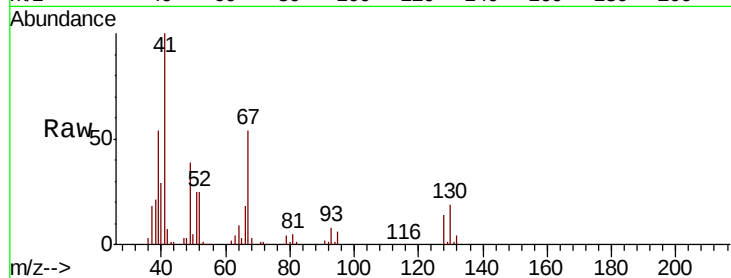
Ion Ratio Lower Upper

41 100

39 59.0 45.8 68.8

67 58.5 46.2 69.4

52 26.4 21.0 31.6

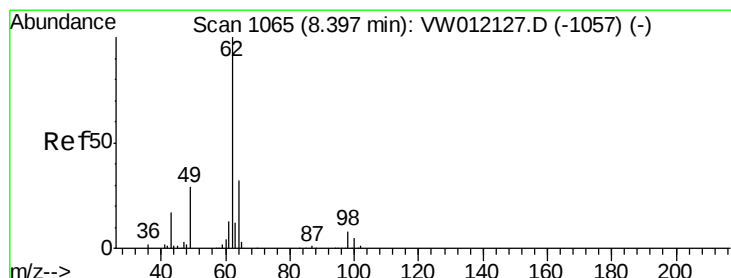
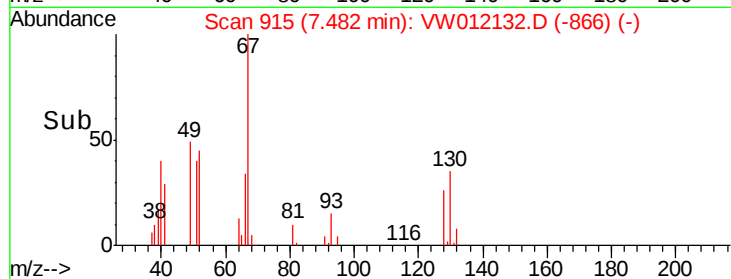
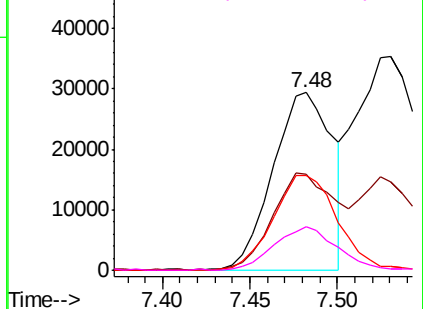


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 47.986 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012132.D

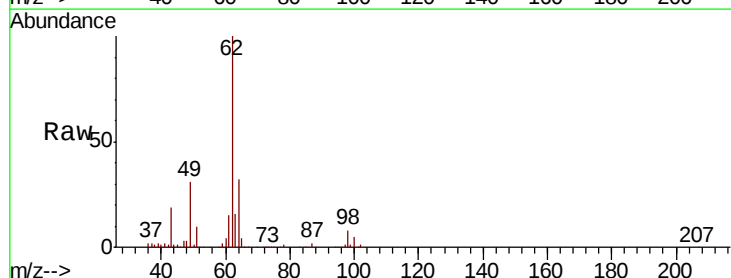
Acq: 23 Aug 2019 14:47

Tgt Ion: 62 Resp: 182075

Ion Ratio Lower Upper

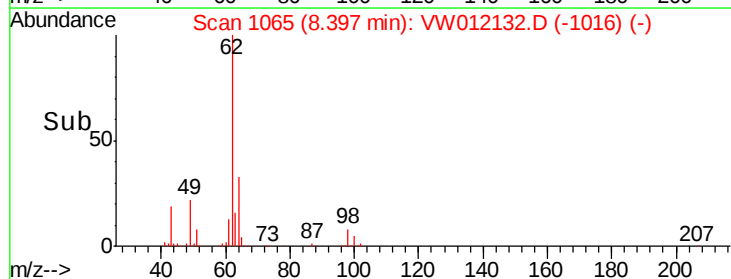
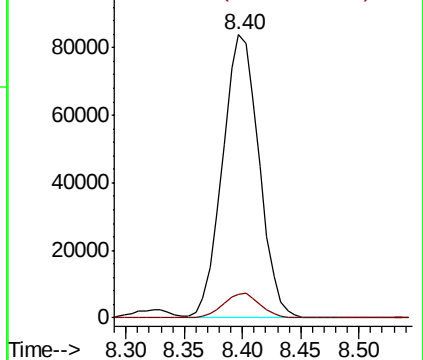
62 100

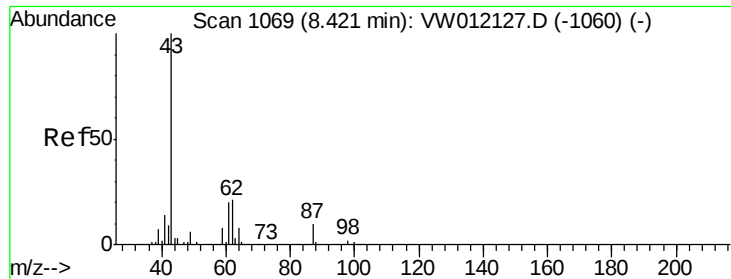
98 8.6 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 49.296 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

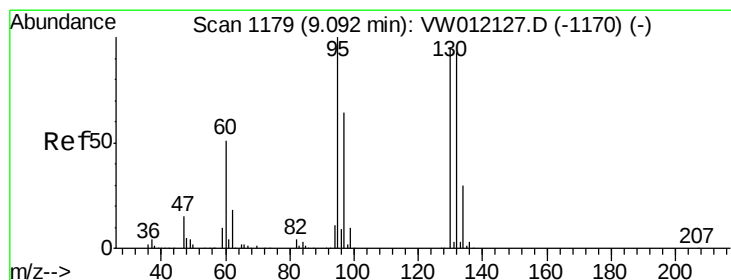
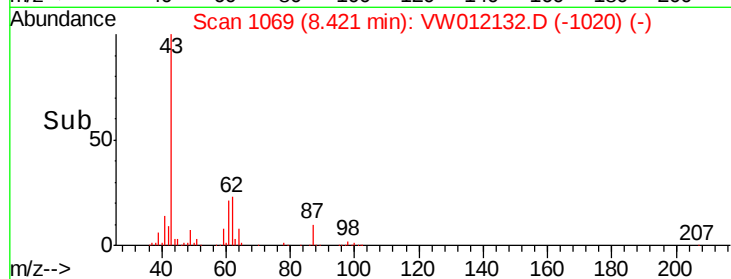
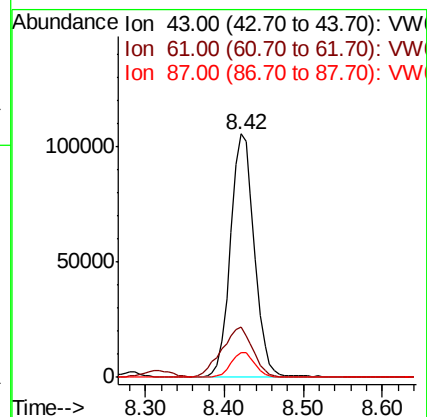
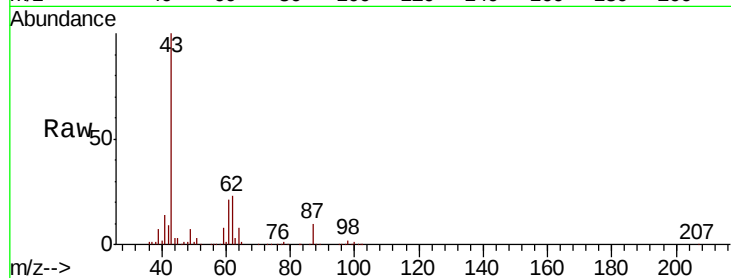
Tgt Ion: 43 Resp: 221850

Ion Ratio Lower Upper

43 100

61 26.6 21.1 31.7

87 10.3 8.2 12.2



#44

Trichloroethene

Concen: 50.046 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012132.D

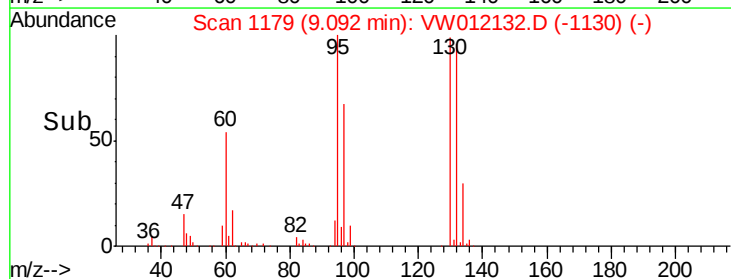
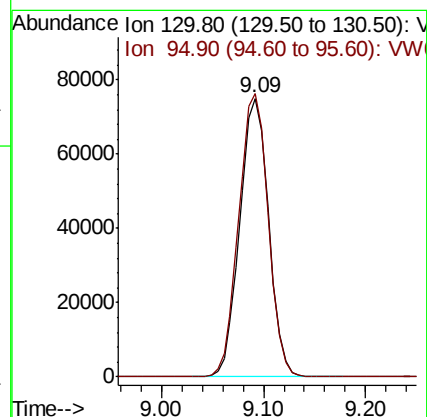
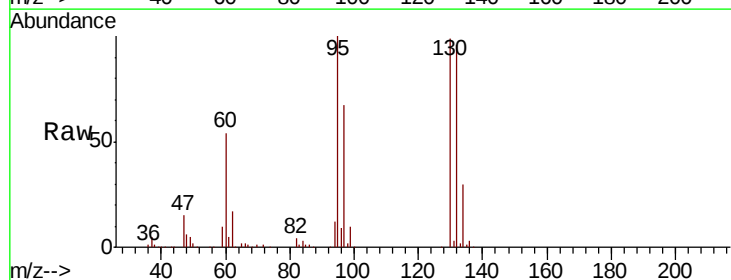
Acq: 23 Aug 2019 14:47

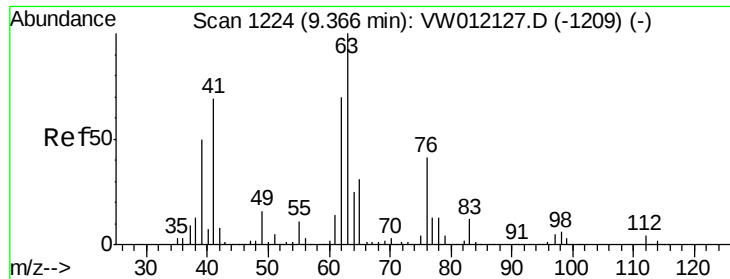
Tgt Ion: 130 Resp: 147288

Ion Ratio Lower Upper

130 100

95 101.5 0.0 210.6

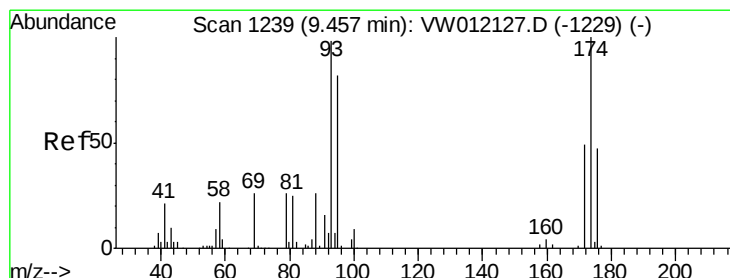
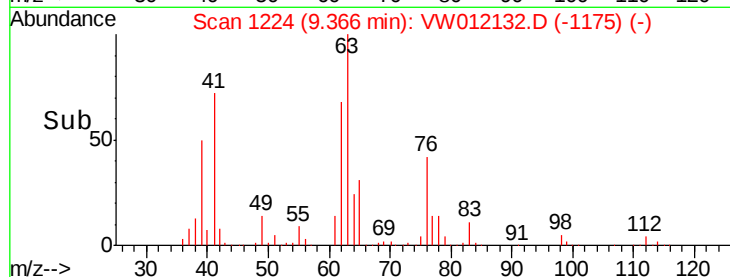
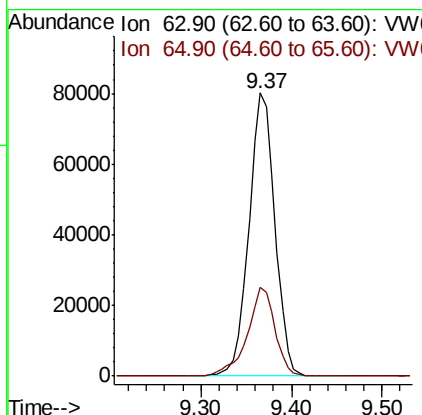
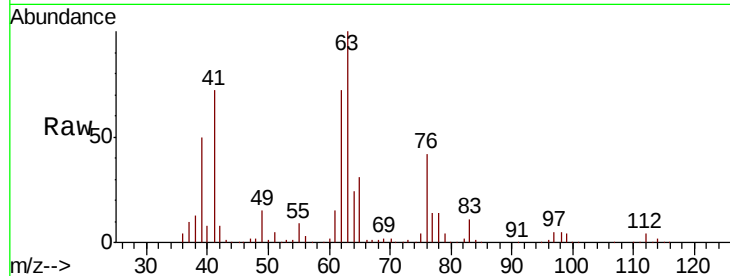




#45
 1,2-Dichloropropane
 Concen: 48.661 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

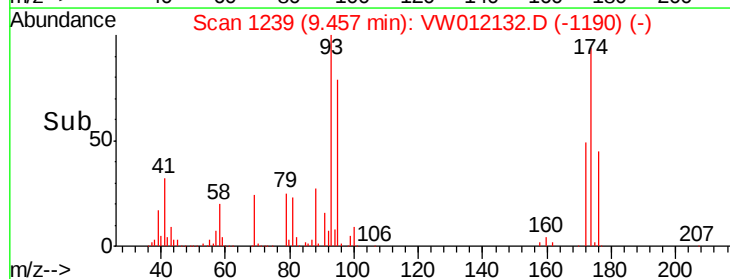
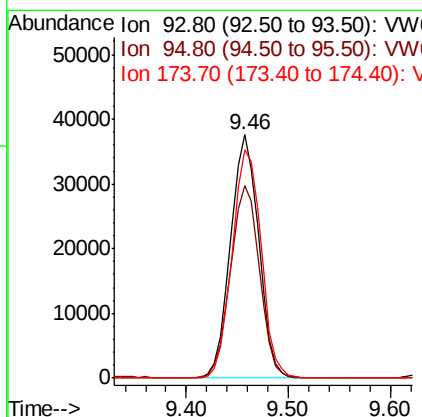
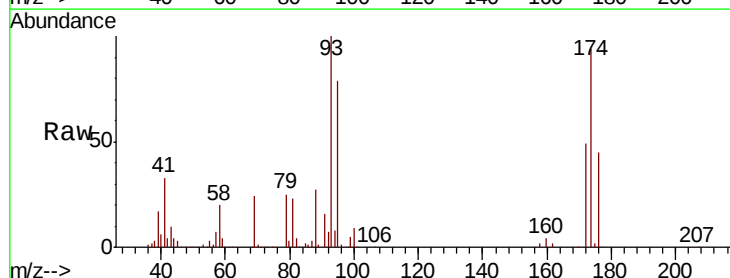
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 158551
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4



#46
 Dibromomethane
 Concen: 49.488 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion: 93 Resp: 71742
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.2 100.8
 174 96.5 79.0 118.6





#47

Bromodichloromethane

Concen: 49.475 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

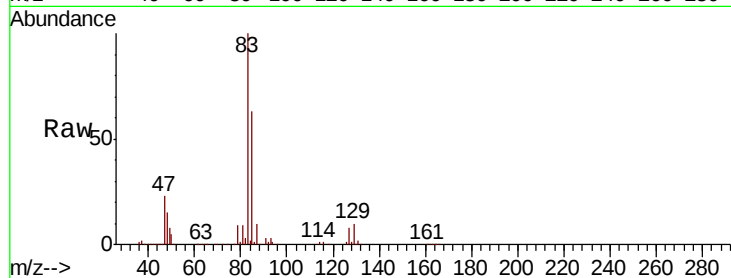
Tgt Ion: 83 Resp: 190885

Ion Ratio Lower Upper

83 100

85 62.9 49.4 74.2

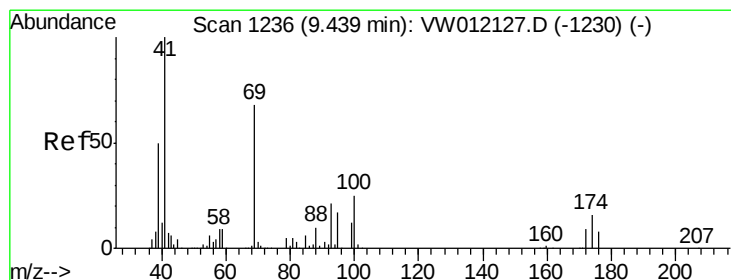
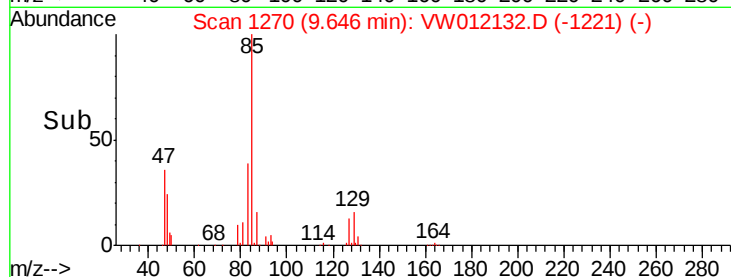
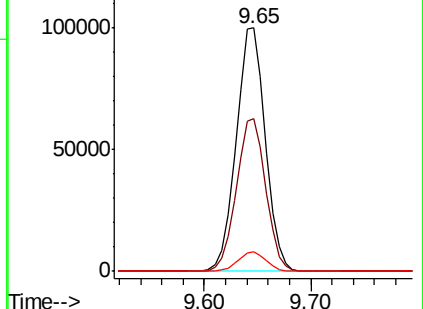
127 8.1 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 49.912 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

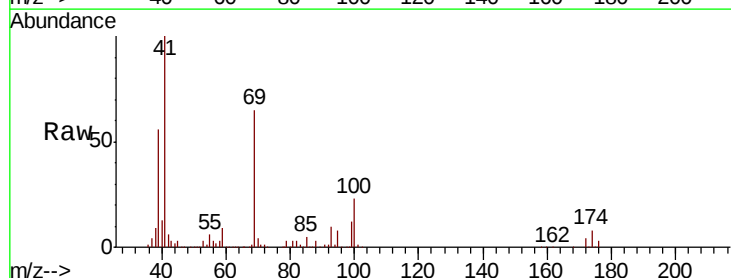
Tgt Ion: 41 Resp: 106909

Ion Ratio Lower Upper

41 100

69 71.1 56.7 85.1

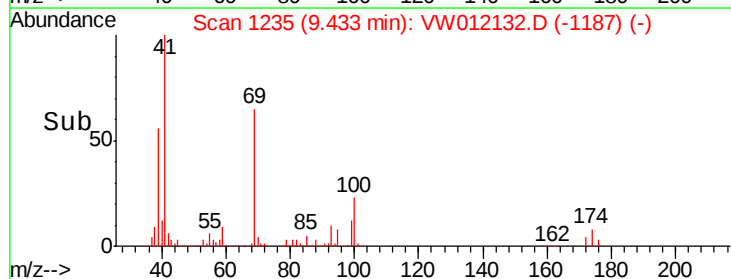
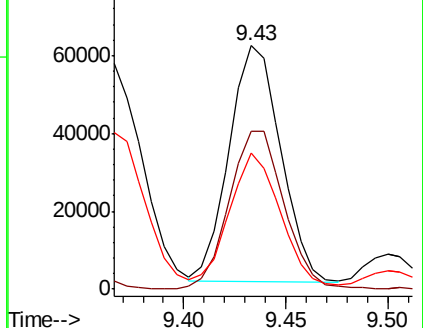
39 54.2 42.0 63.0

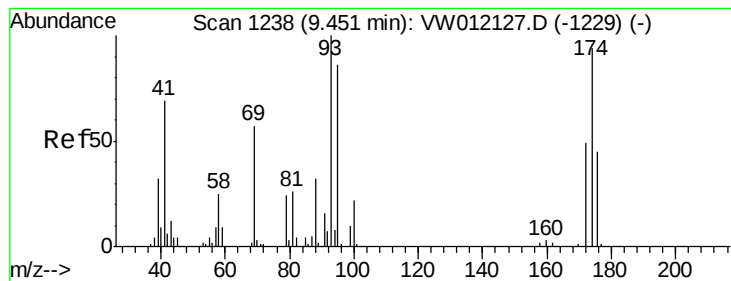


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1036.359 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

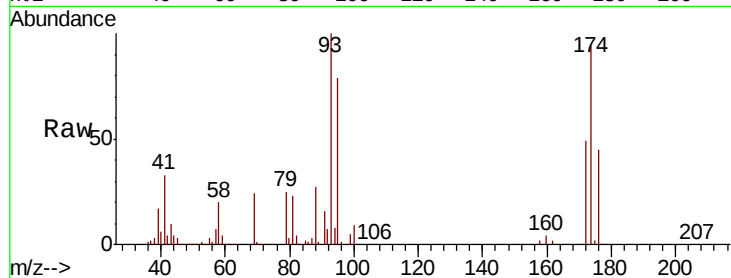
Tgt Ion: 88 Resp: 23000

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

58 84.0 71.0 106.4

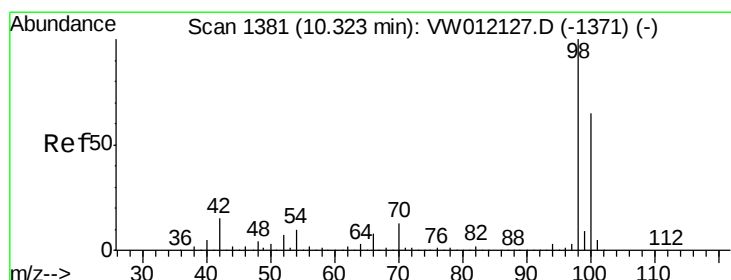
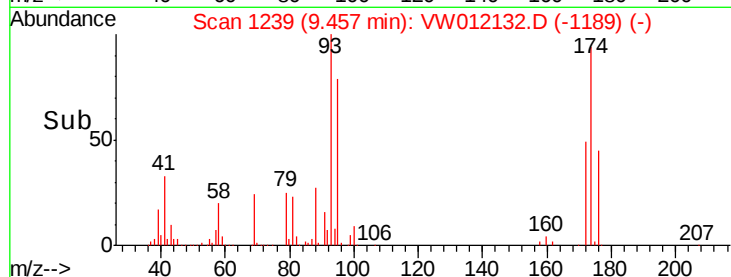
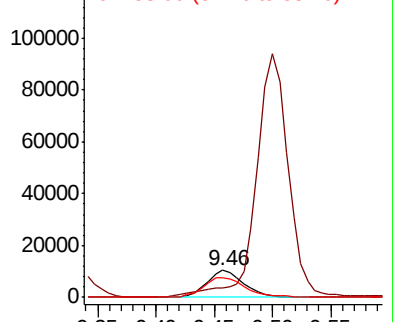


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.402 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012132.D

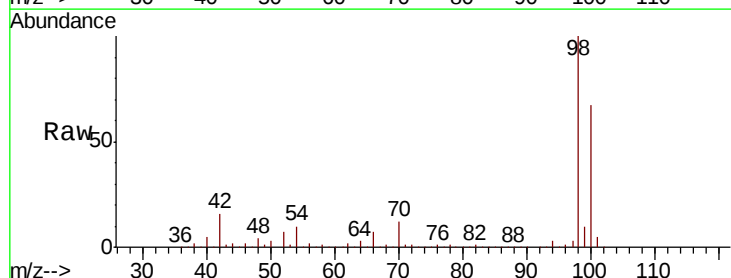
Acq: 23 Aug 2019 14:47

Tgt Ion: 98 Resp: 523384

Ion Ratio Lower Upper

98 100

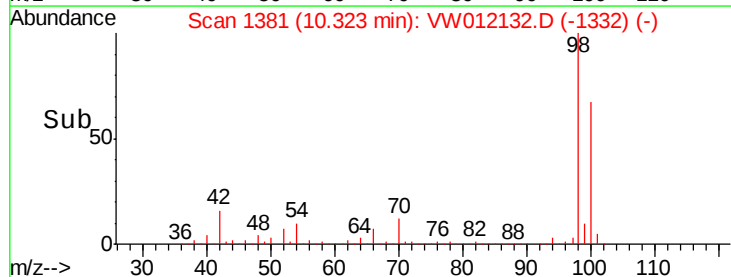
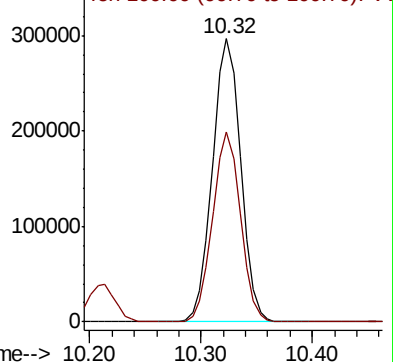
100 66.0 52.4 78.6



Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

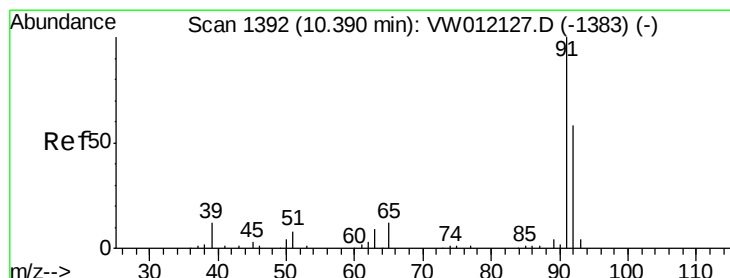
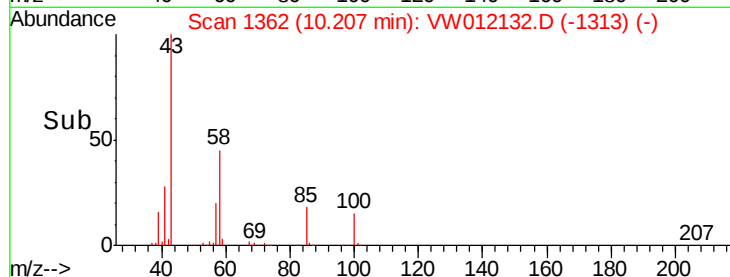
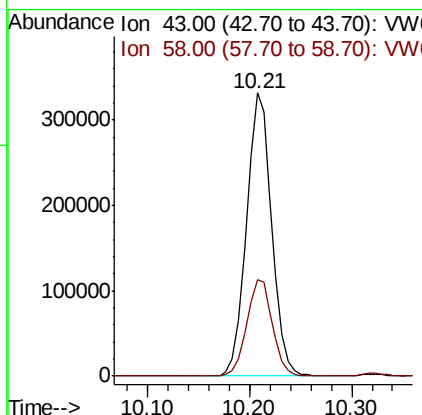
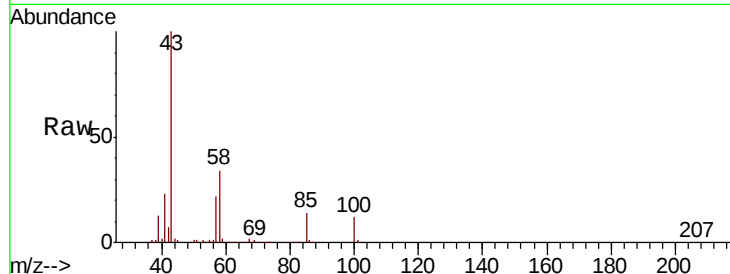




#51
 4-Methyl-2-Pentanone
 Concen: 249.028 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

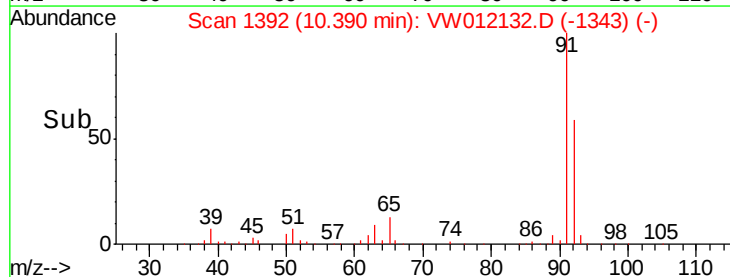
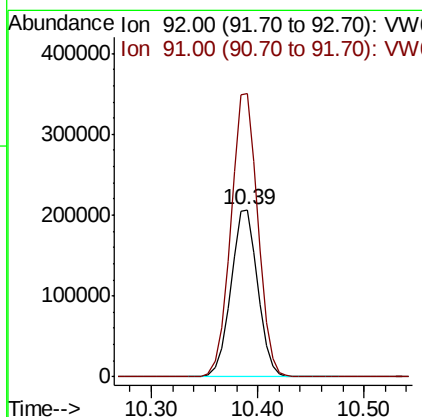
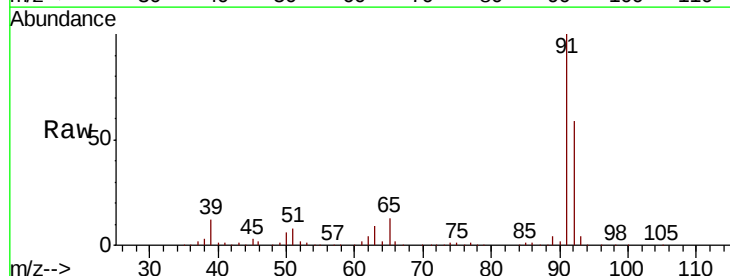
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 570036
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.2 42.2



#52
 Toluene
 Concen: 50.075 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion: 92 Resp: 364195
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 50.988 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

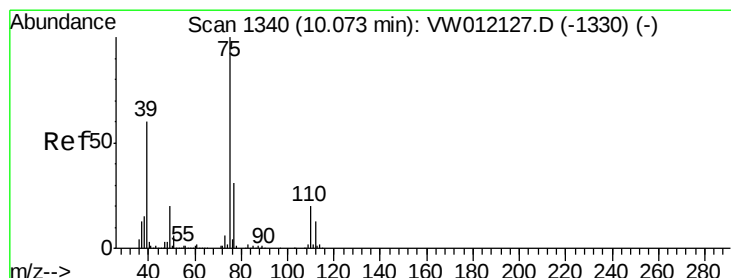
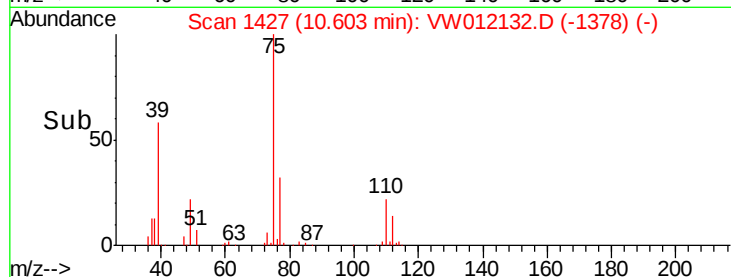
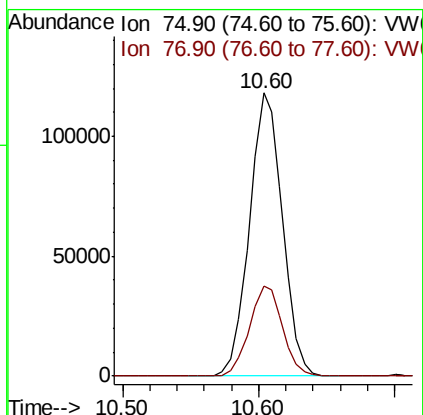
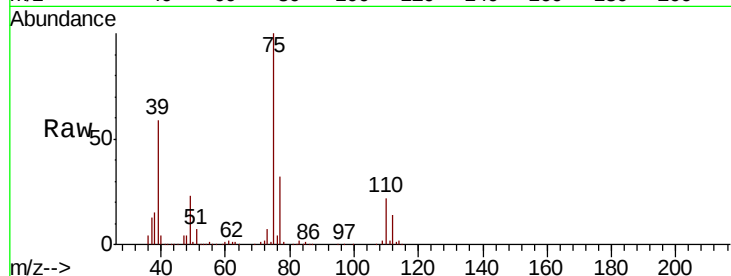
VSTDCCC050

Tgt Ion: 75 Resp: 200389

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 50.051 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

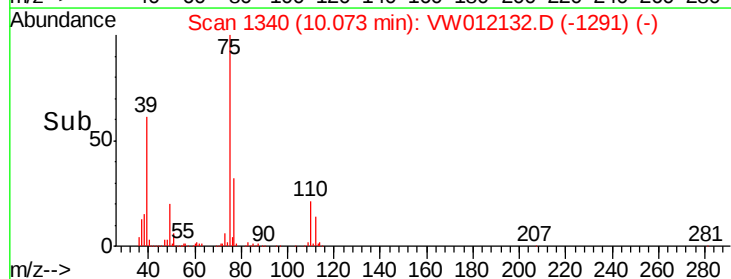
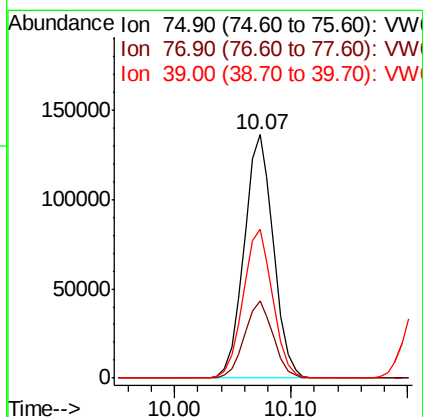
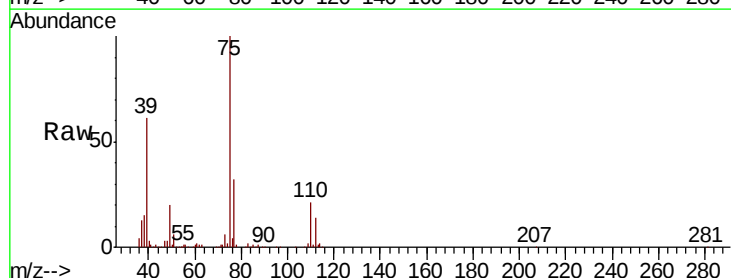
Tgt Ion: 75 Resp: 237509

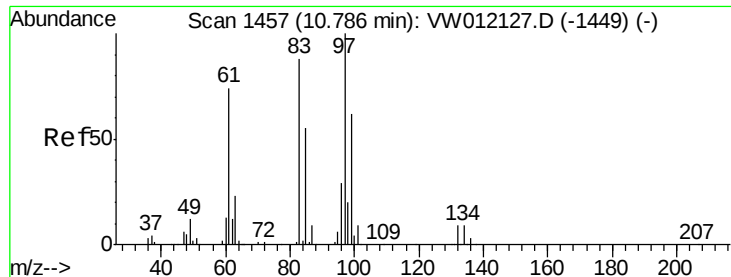
Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 60.9 48.3 72.5

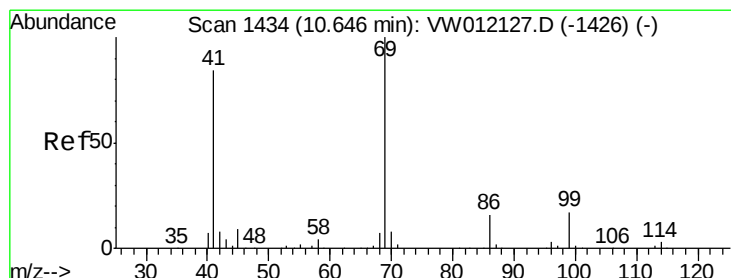
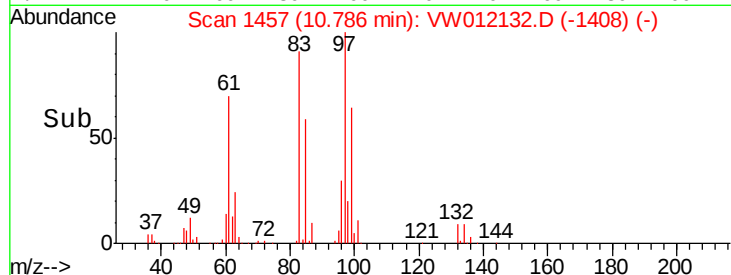
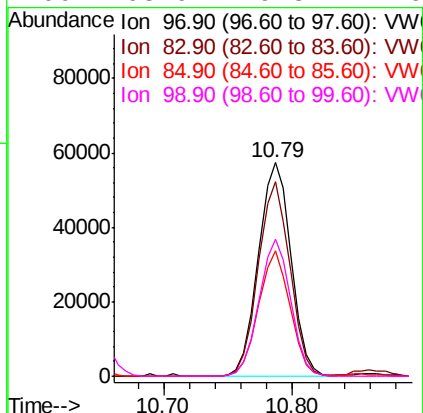
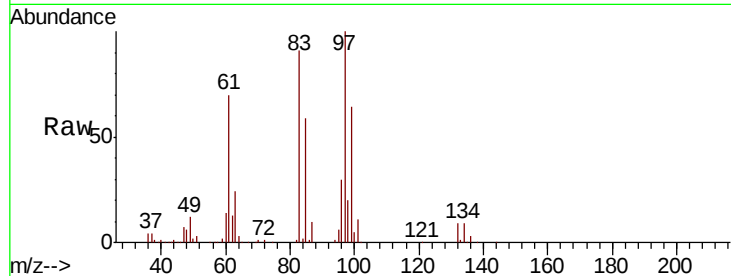




#55
 1,1,2-Trichloroethane
 Concen: 48.996 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

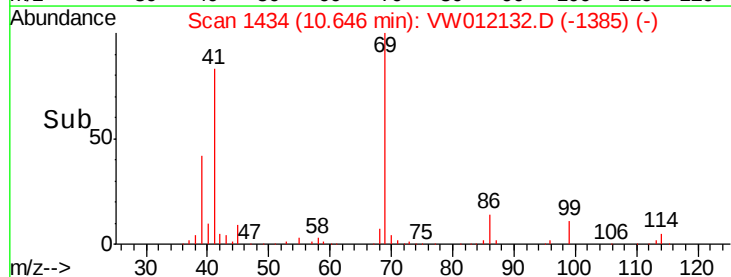
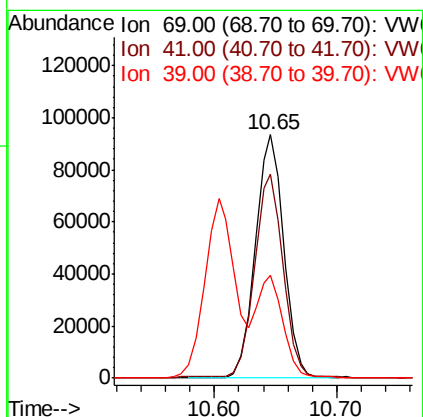
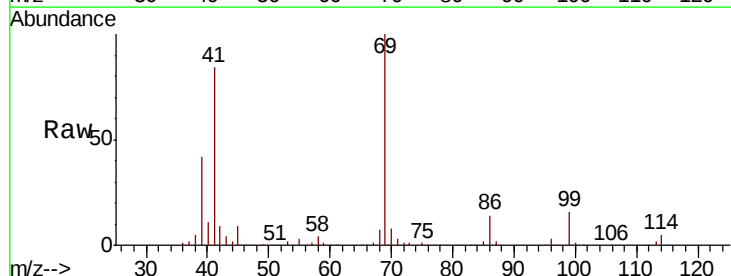
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

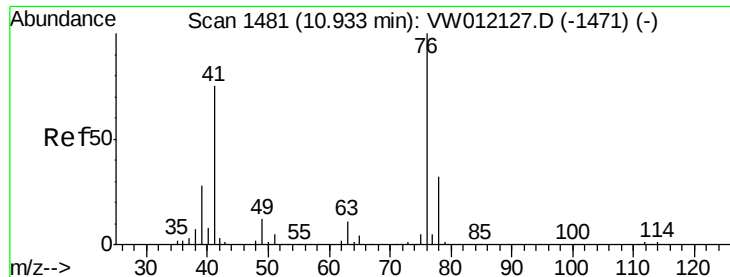
Tgt Ion:	97	Resp:	100496
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.8	106.2
85	58.7	43.8	65.8
99	63.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 50.641 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion:	69	Resp:	151176
Ion	Ratio	Lower	Upper
69	100		
41	83.9	66.5	99.7
39	38.7	31.0	46.4





#57

1,3-Dichloropropane

Concen: 49.495 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

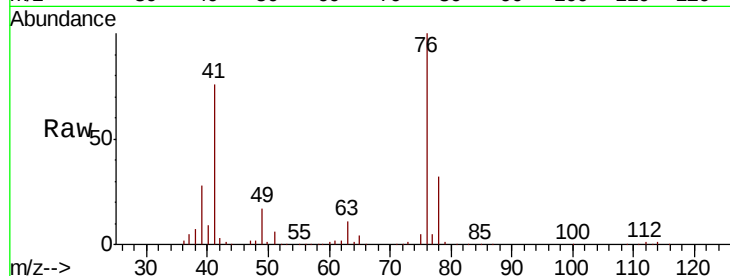
VSTDCCC050

Tgt Ion: 76 Resp: 191847

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

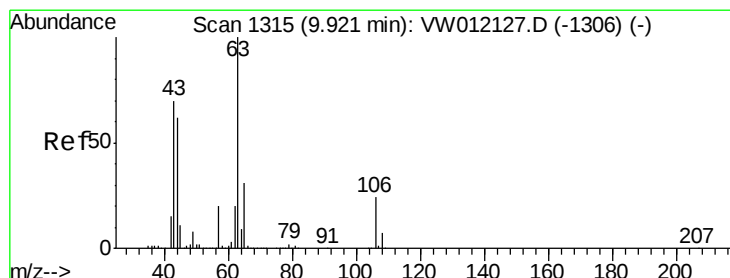
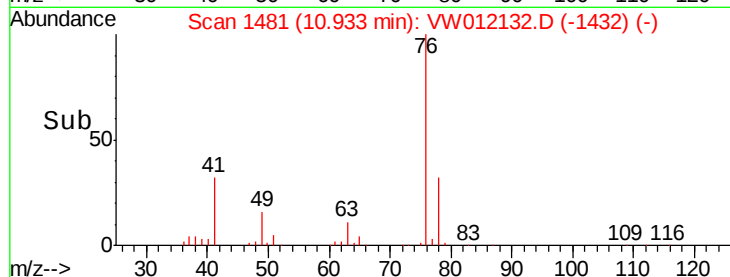
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 273.755 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012132.D

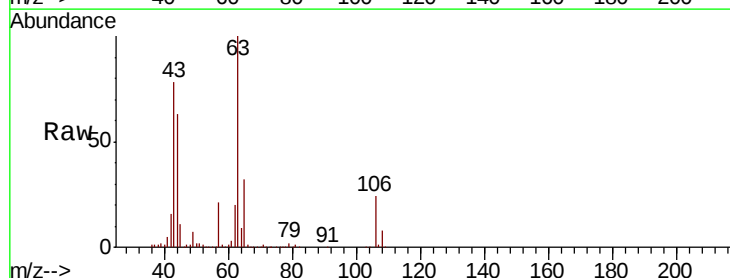
Acq: 23 Aug 2019 14:47

Tgt Ion: 63 Resp: 419415

Ion Ratio Lower Upper

63 100

106 24.5 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

250000

200000

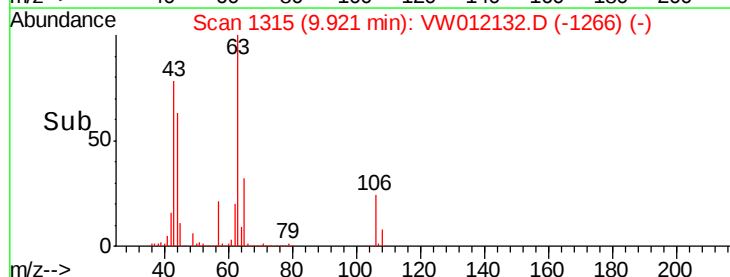
150000

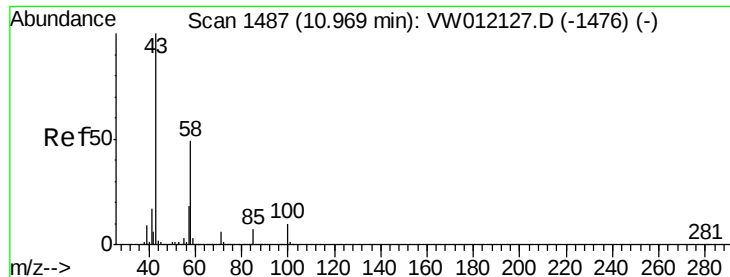
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 251.313 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

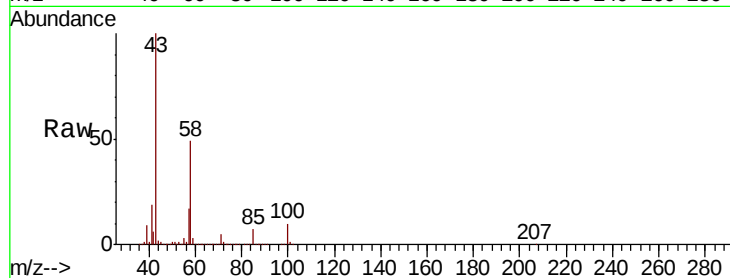
VSTDCCC050

Tgt Ion: 43 Resp: 407038

Ion Ratio Lower Upper

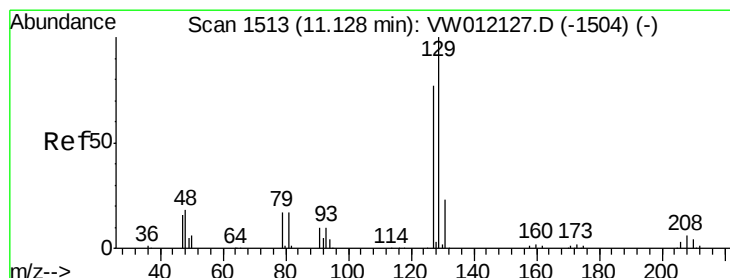
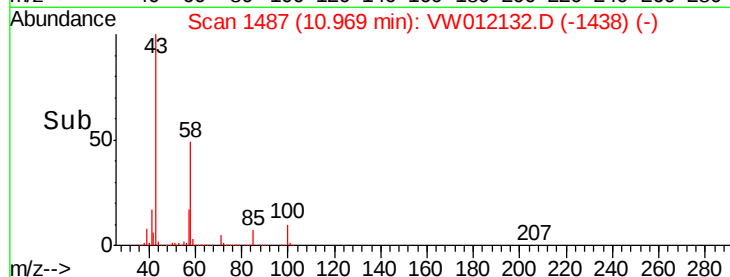
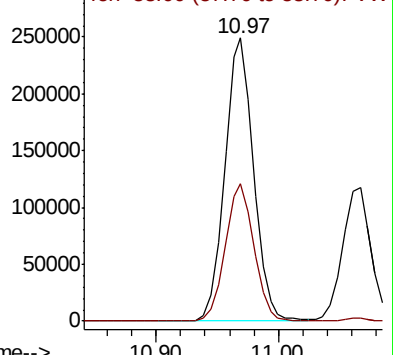
43 100

58 48.7 24.3 72.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 49.659 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012132.D

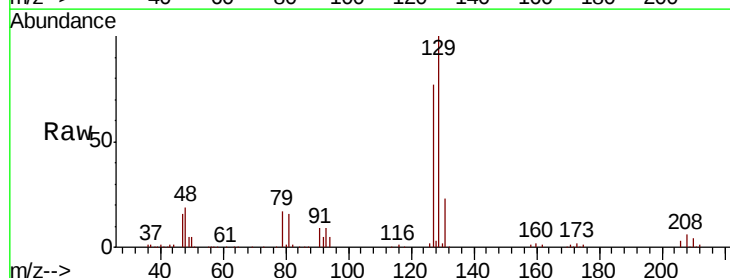
Acq: 23 Aug 2019 14:47

Tgt Ion: 129 Resp: 113450

Ion Ratio Lower Upper

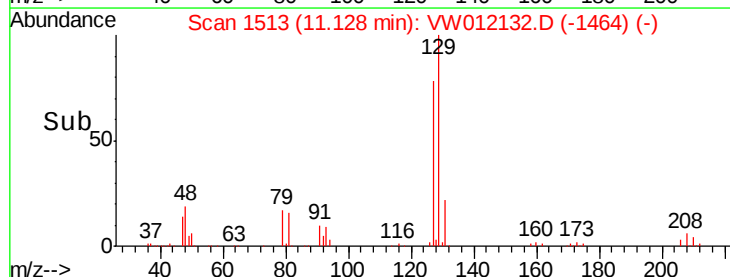
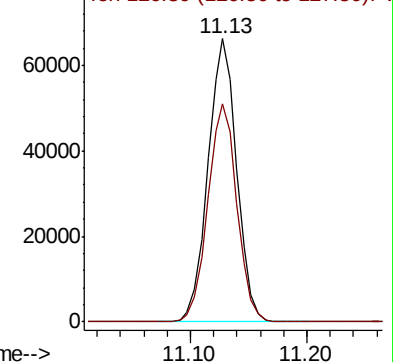
129 100

127 77.8 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

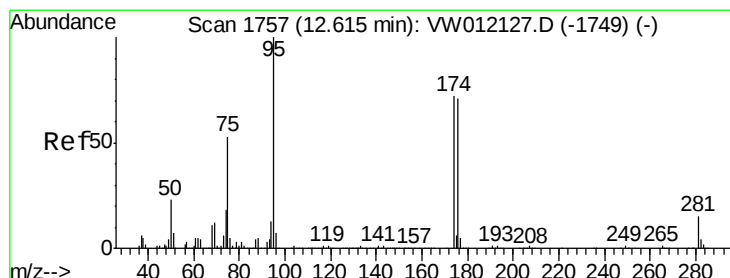
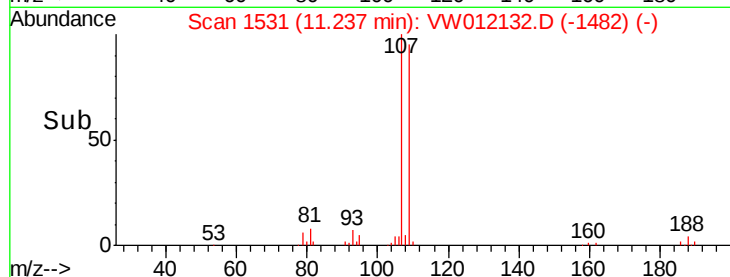
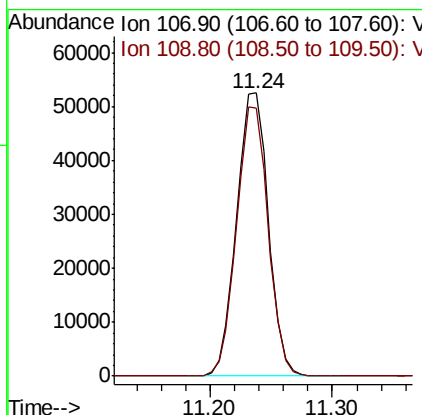
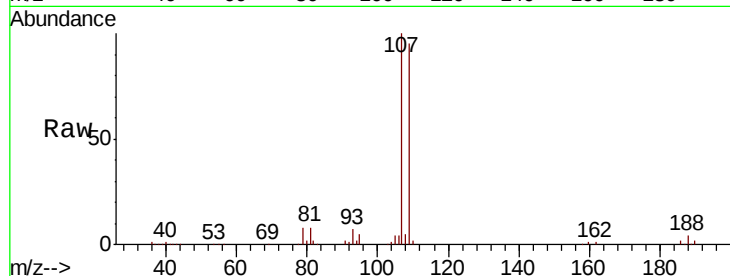




#61
 1,2-Dibromoethane
 Concen: 49.511 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

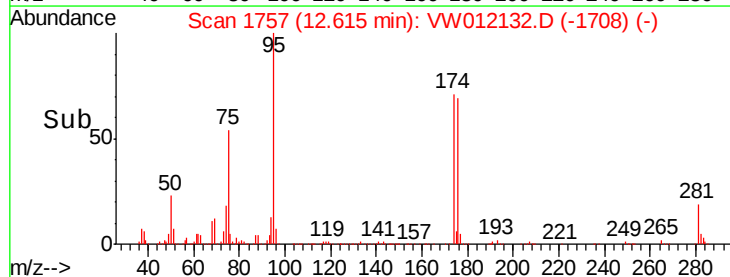
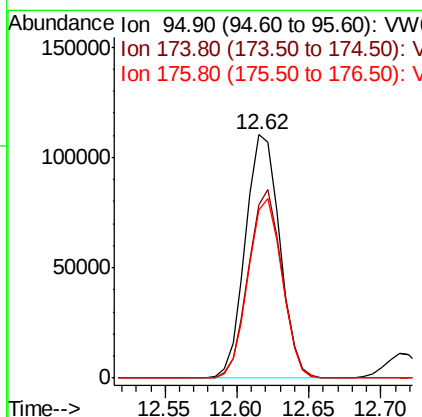
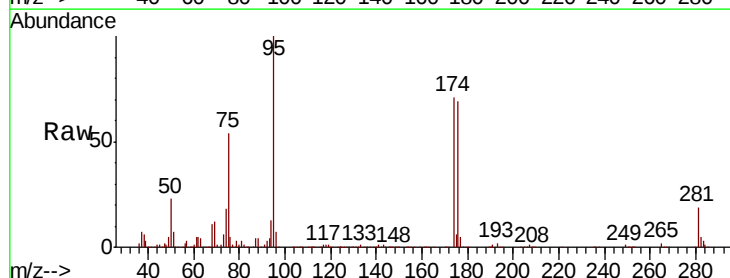
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

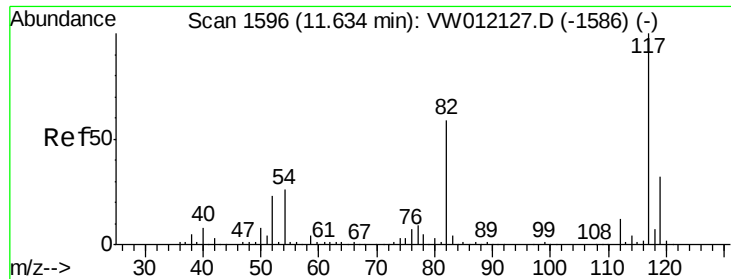
Tgt Ion: 107 Resp: 94609
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.726 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion: 95 Resp: 182018
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 150.8
 176 72.9 0.0 148.6

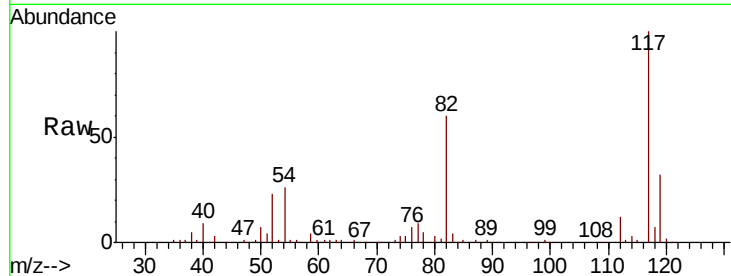




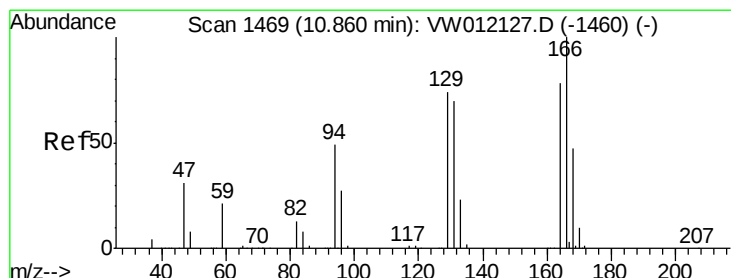
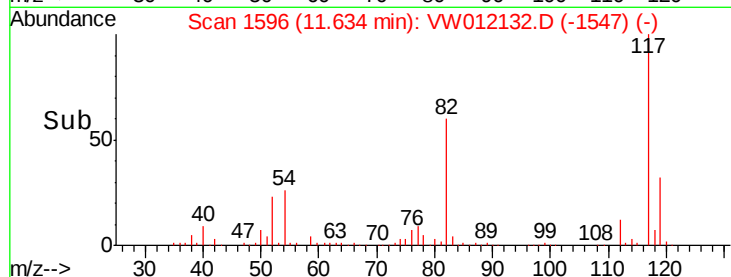
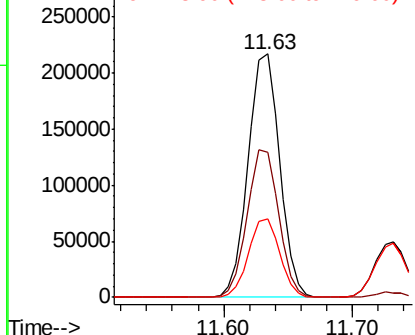
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 366987
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 32.1 25.4 38.2

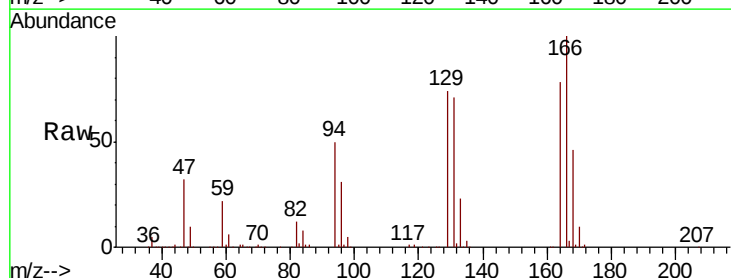


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

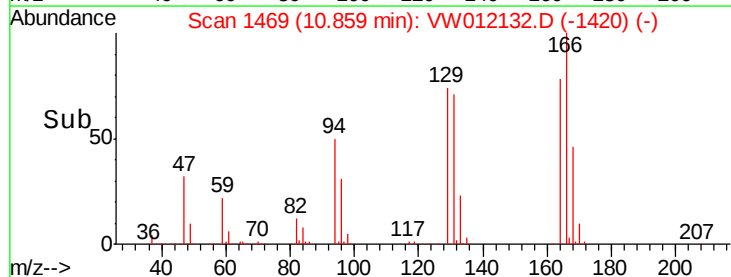
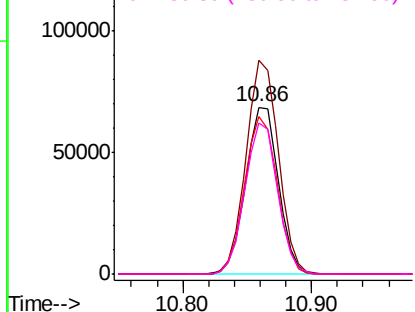


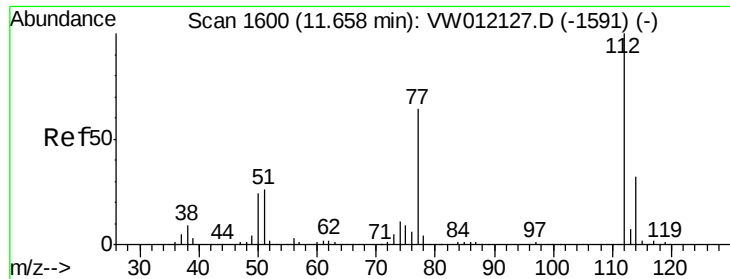
#64
Tetrachloroethene
Concen: 50.367 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion:164 Resp: 119838
Ion Ratio Lower Upper
164 100
166 128.0 102.4 153.6
129 94.4 75.8 113.6
131 90.8 71.4 107.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.949 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

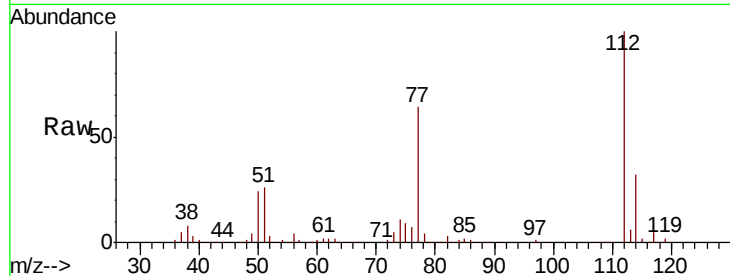
VSTDCCC050

Tgt Ion:112 Resp: 360944

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

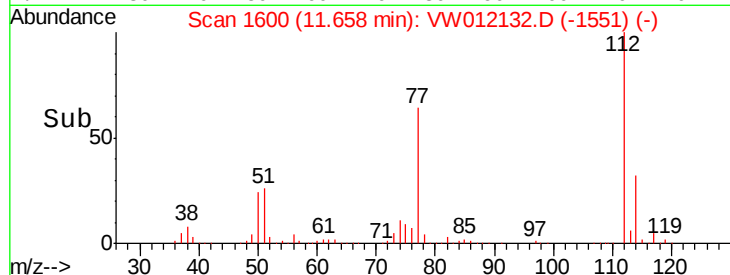
100000

50000

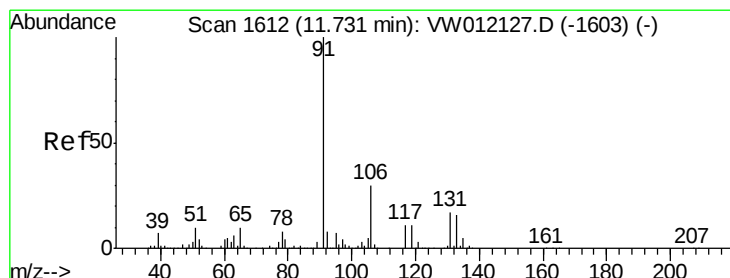
0

11.66

11.60 11.70 11.80



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.326 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

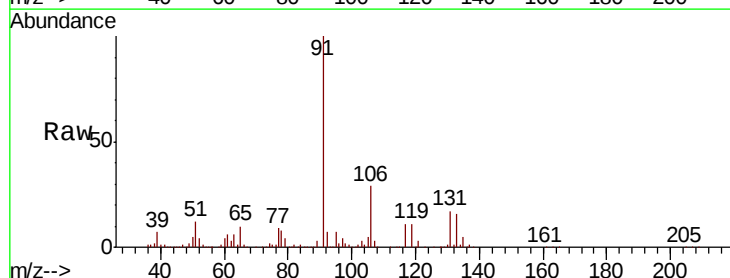
Tgt Ion:131 Resp: 126870

Ion Ratio Lower Upper

131 100

133 93.9 47.1 141.3

119 64.7 31.8 95.3



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

100000

80000

60000

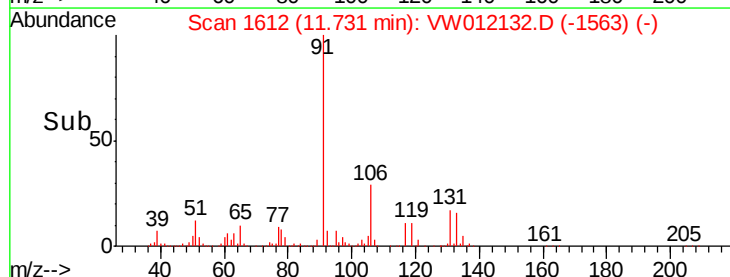
40000

20000

0

11.73

11.70 11.80



Time-->



#67

Ethyl Benzene

Concen: 50.994 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

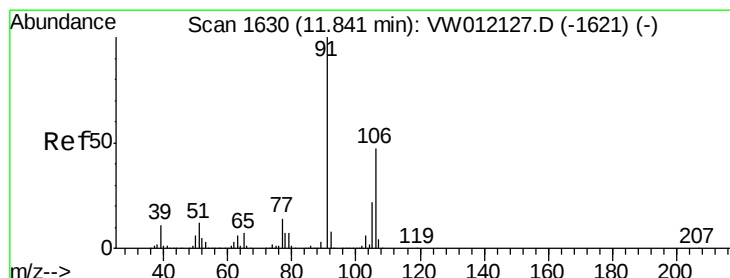
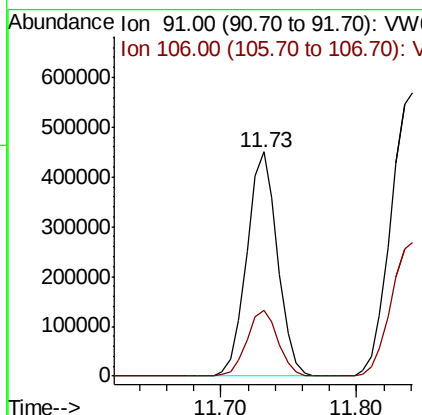
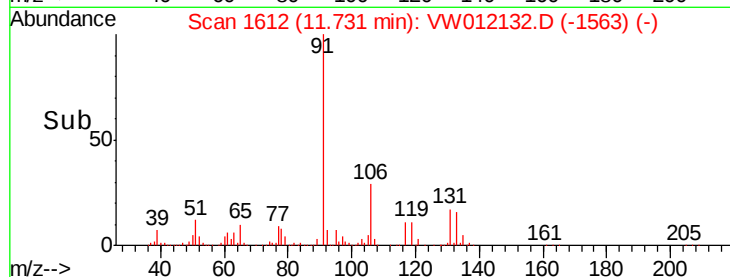
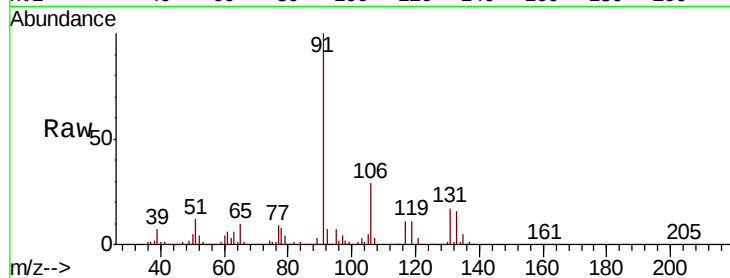
VSTDCCC050

Tgt Ion: 91 Resp: 709854

Ion Ratio Lower Upper

91 100

106 29.2 24.3 36.5



#68

m/p-Xylenes

Concen: 101.285 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012132.D

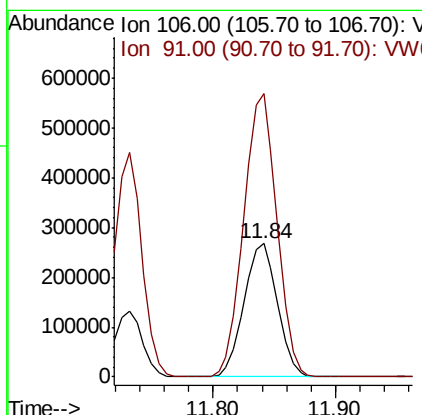
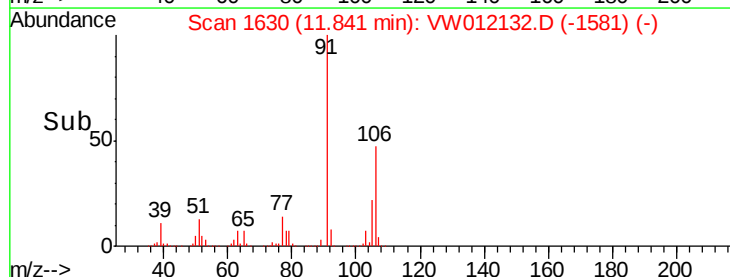
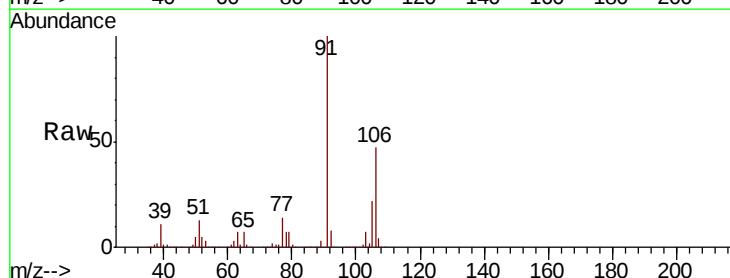
Acq: 23 Aug 2019 14:47

Tgt Ion: 106 Resp: 507864

Ion Ratio Lower Upper

106 100

91 211.3 169.5 254.3

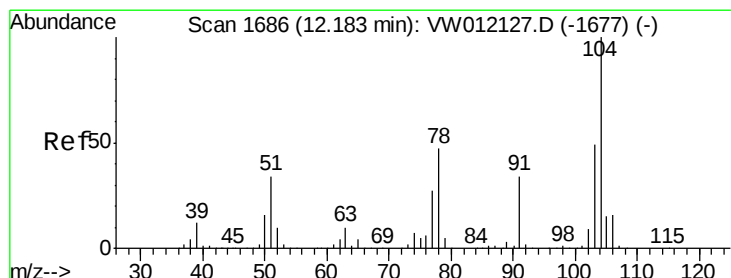
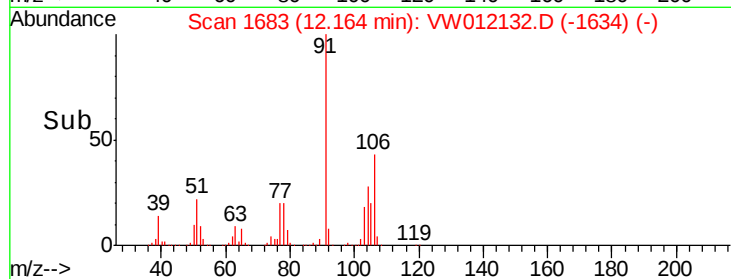
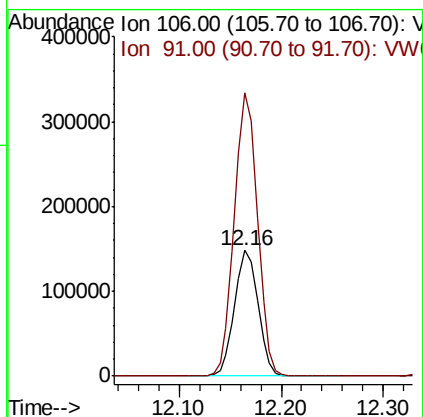
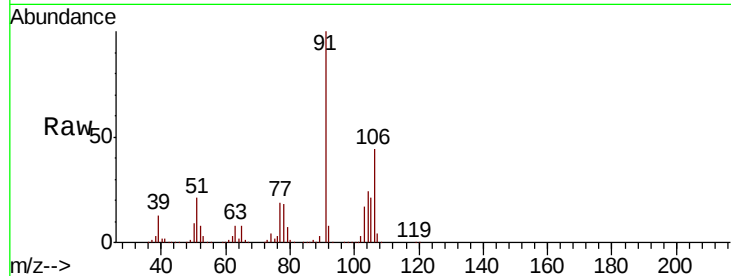




#69
o-Xylene
Concen: 50.840 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

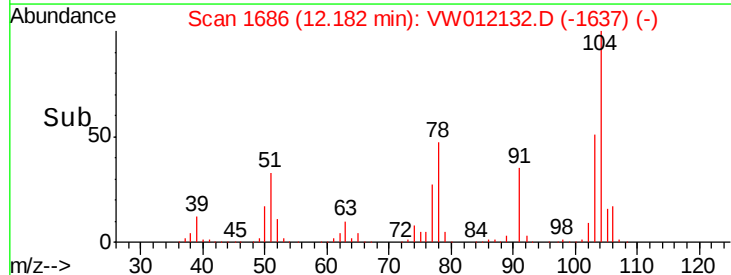
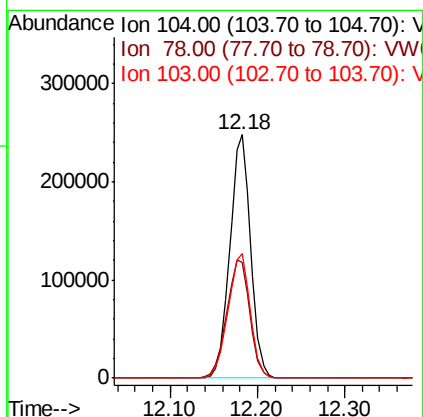
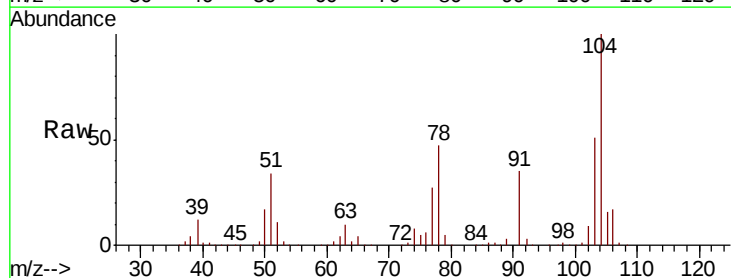
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

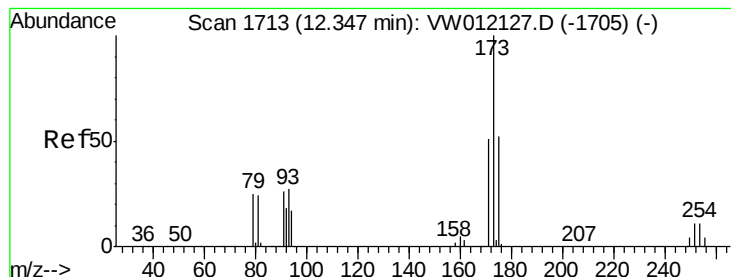
Tgt Ion:106 Resp: 235941
Ion Ratio Lower Upper
106 100
91 222.4 111.6 334.6



#70
Styrene
Concen: 50.771 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion:104 Resp: 407834
Ion Ratio Lower Upper
104 100
78 54.1 43.1 64.7
103 54.9 43.5 65.3





#71

Bromoform

Concen: 48.960 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

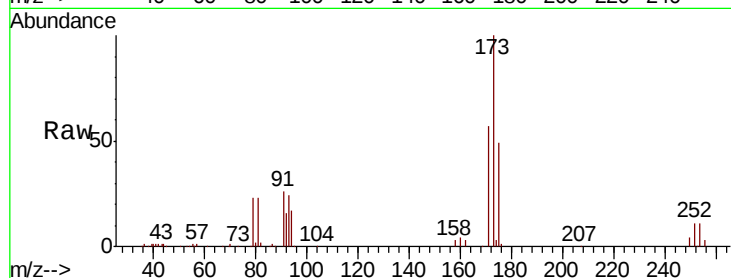
Tgt Ion:173 Resp: 61494

Ion Ratio Lower Upper

173 100

175 50.5 24.6 74.0

254 0.1 0.2 0.2#

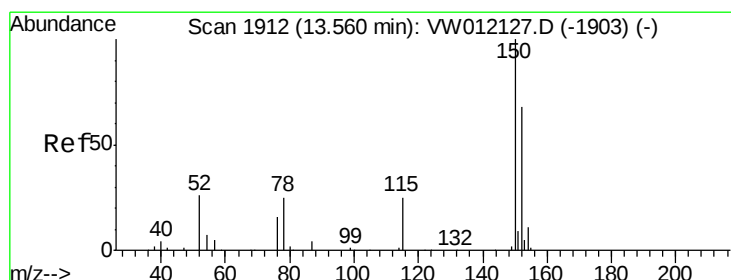
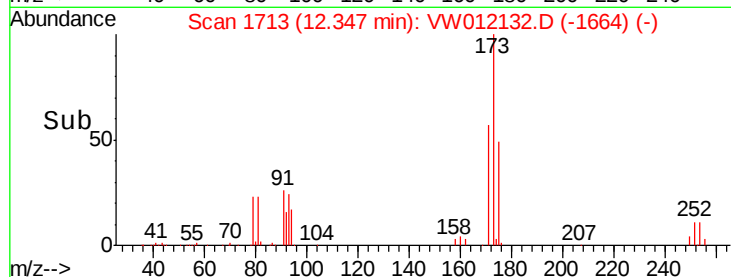
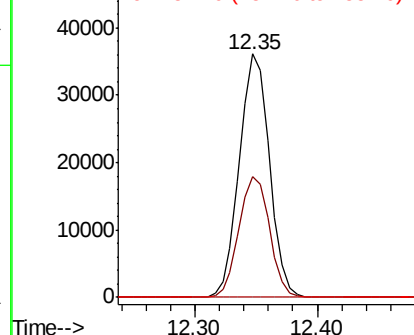


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

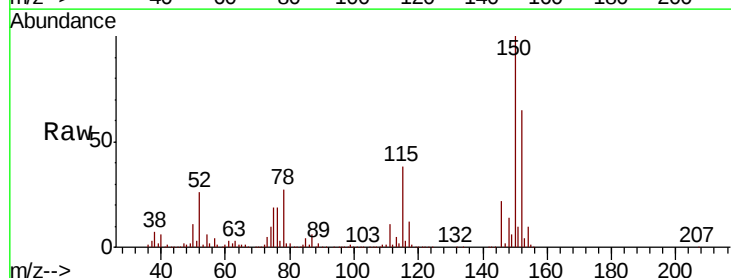
Tgt Ion:152 Resp: 175672

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.3

150 171.1 0.0 345.8

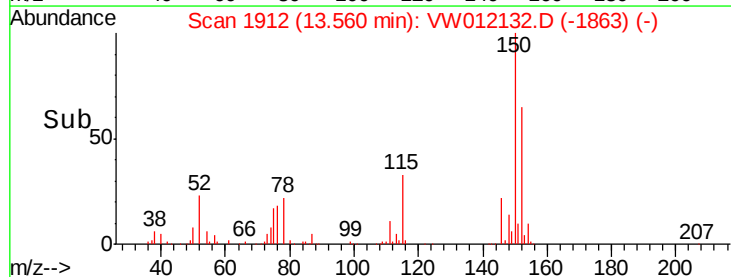
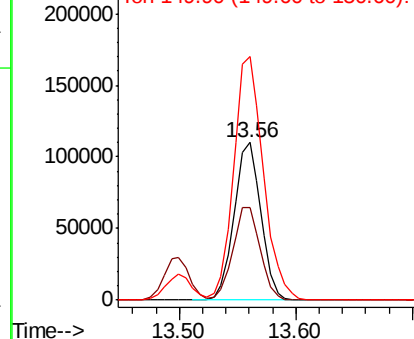


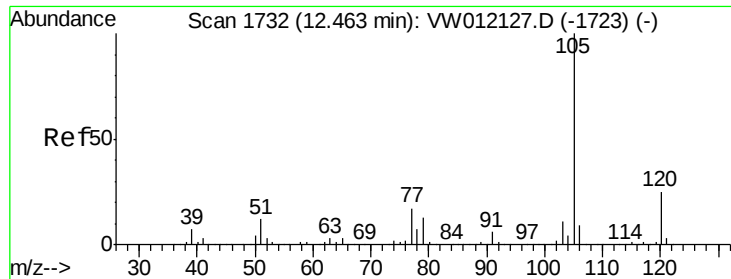
Abundance

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: 50.934 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

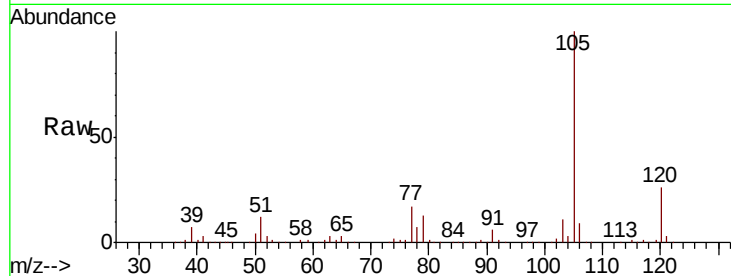
VSTDCCC050

Tgt Ion: 105 Resp: 670465

Ion Ratio Lower Upper

105 100

120 25.6 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

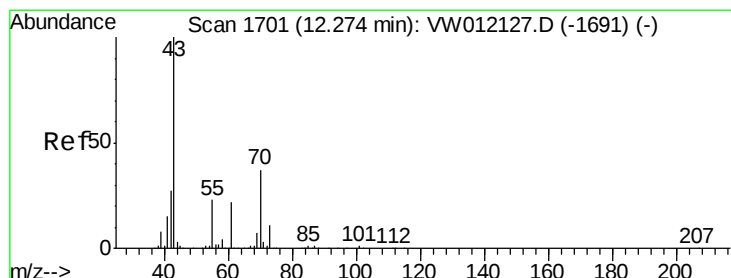
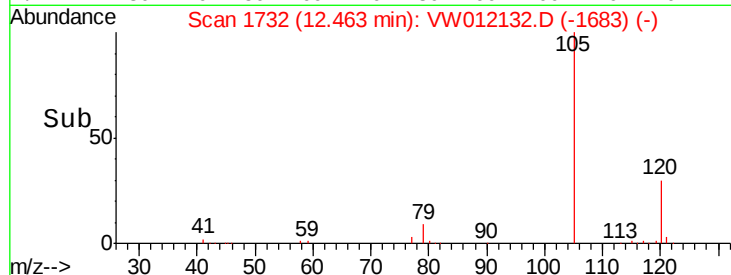
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 51.114 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion: 43 Resp: 203280

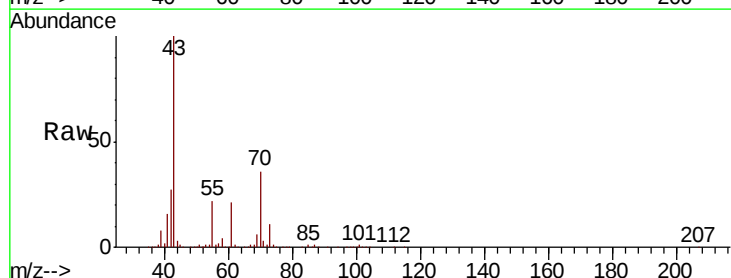
Ion Ratio Lower Upper

43 100

70 35.9 28.6 43.0

55 22.3 17.8 26.6

61 21.5 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

200000

150000

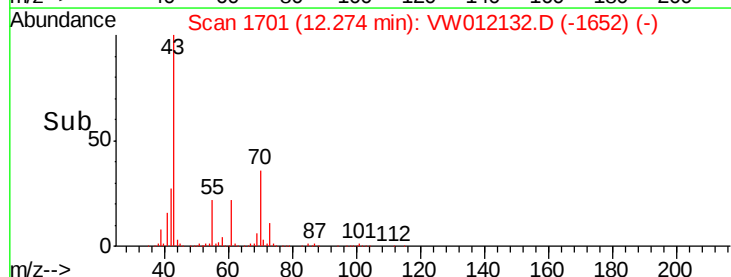
100000

50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 48.242 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

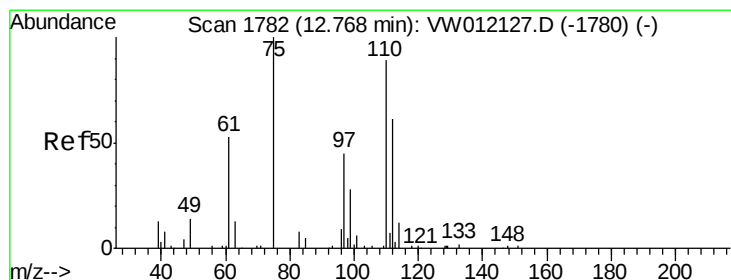
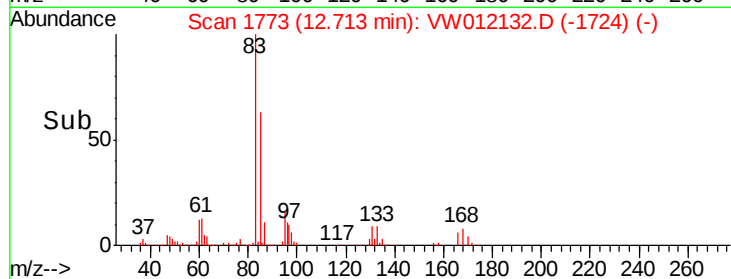
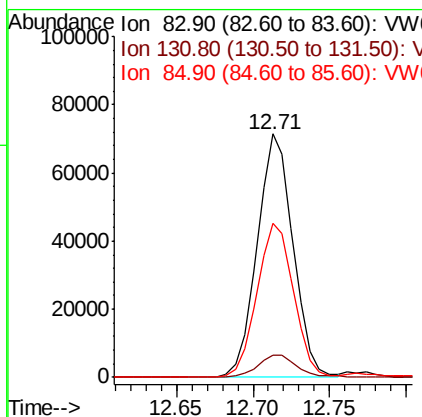
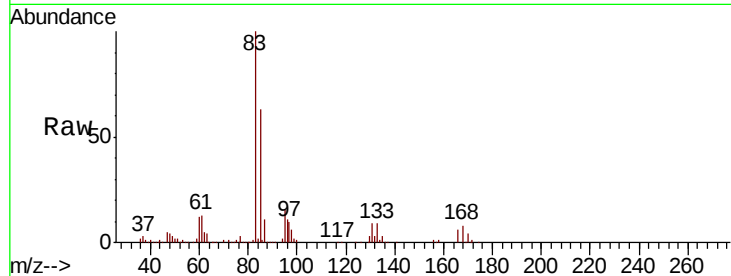
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	116420
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.6	31.9	95.7



#76

1,2,3-Trichloropropane

Concen: 93.404 ug/l

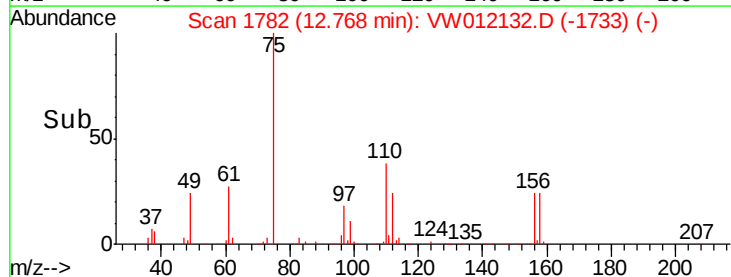
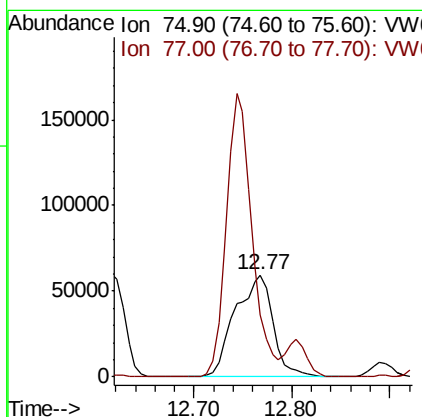
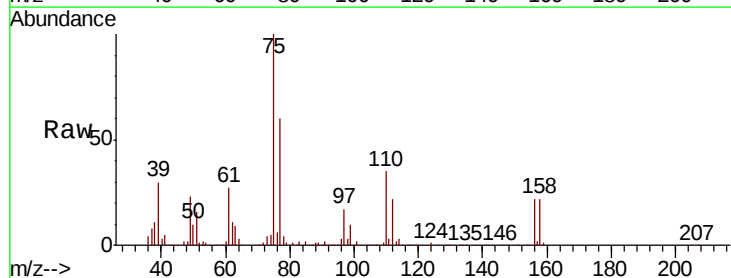
RT: 12.77 min Scan# 1782

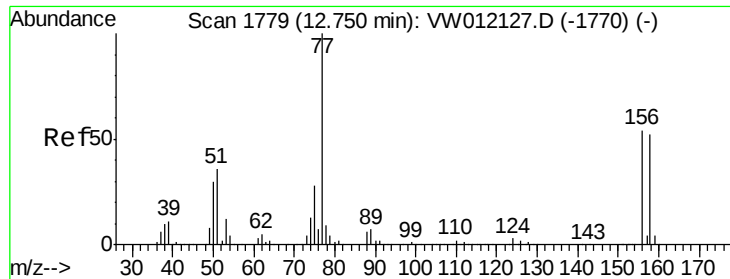
Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion:	75	Resp:	159807
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.495 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

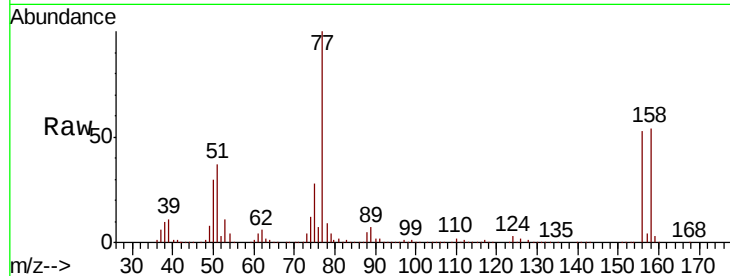
Tgt Ion:156 Resp: 140950

Ion Ratio Lower Upper

156 100

77 213.4 107.3 321.8

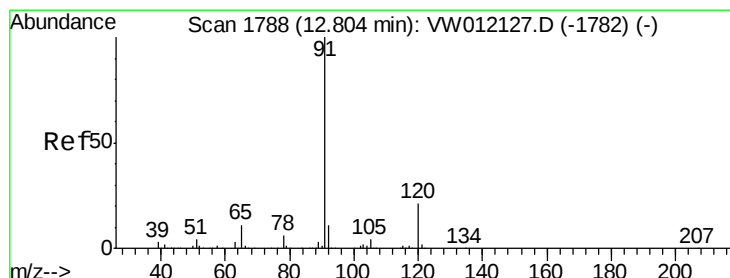
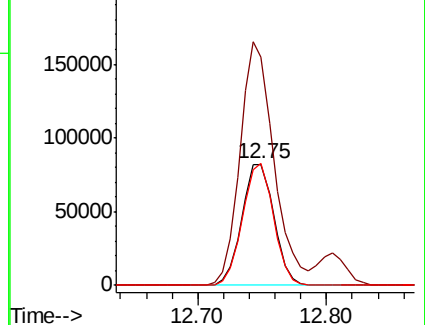
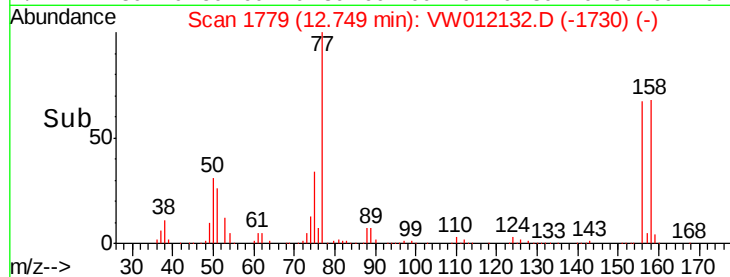
158 97.1 49.0 147.0



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: 50.951 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012132.D

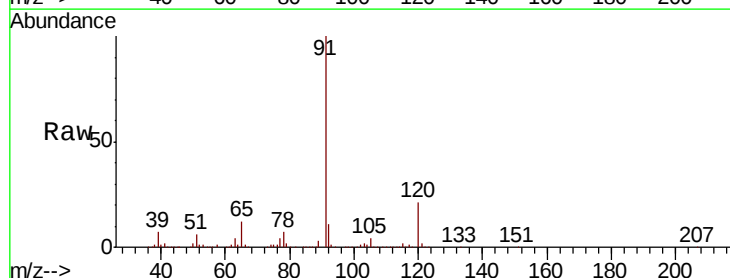
Acq: 23 Aug 2019 14:47

Tgt Ion: 91 Resp: 818778

Ion Ratio Lower Upper

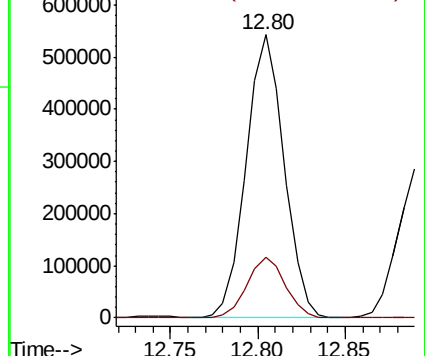
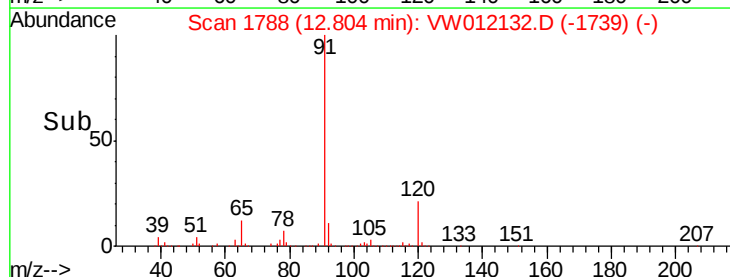
91 100

120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.548 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

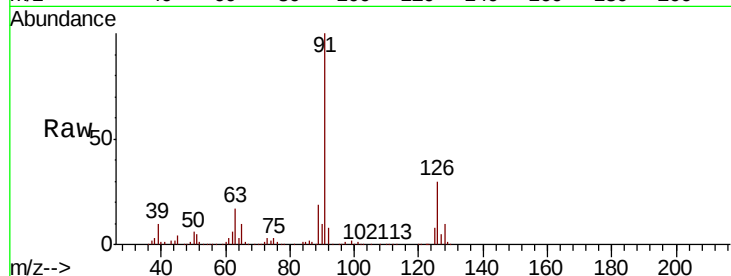
VSTDCCC050

Tgt Ion: 91 Resp: 461172

Ion Ratio Lower Upper

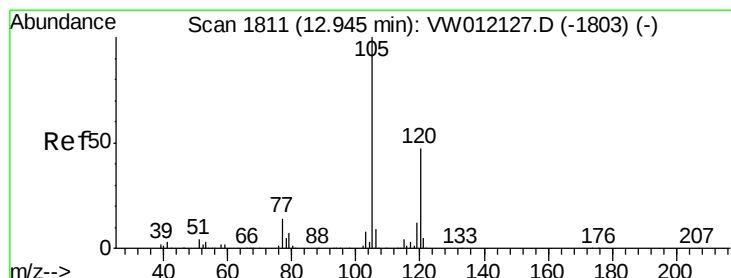
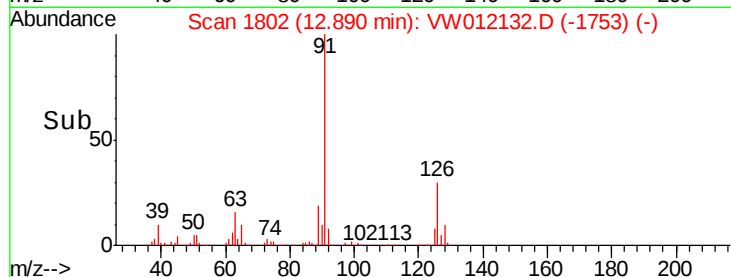
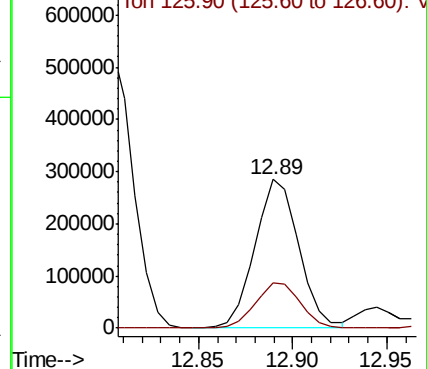
91 100

126 30.9 15.7 47.0



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: 51.080 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012132.D

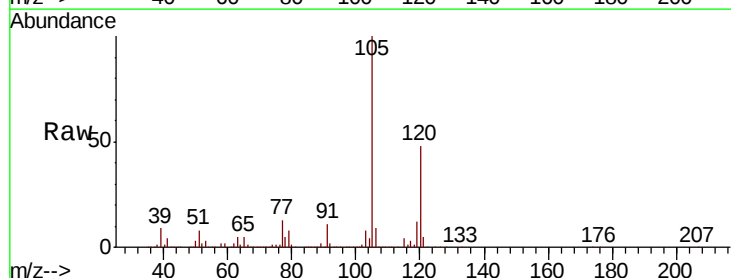
Acq: 23 Aug 2019 14:47

Tgt Ion: 105 Resp: 561846

Ion Ratio Lower Upper

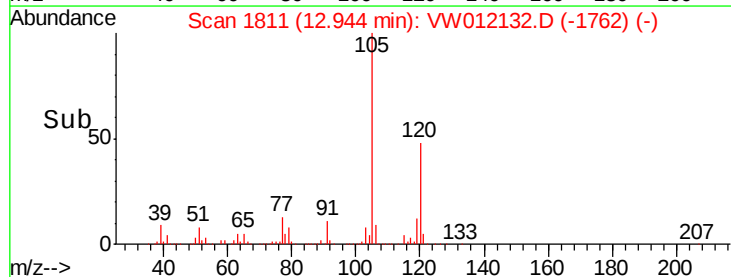
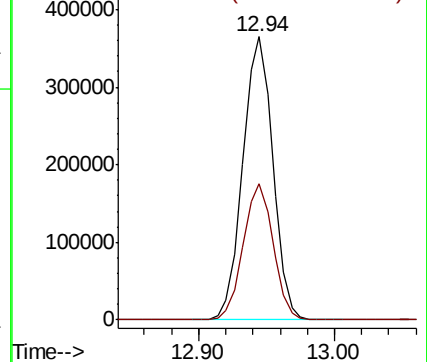
105 100

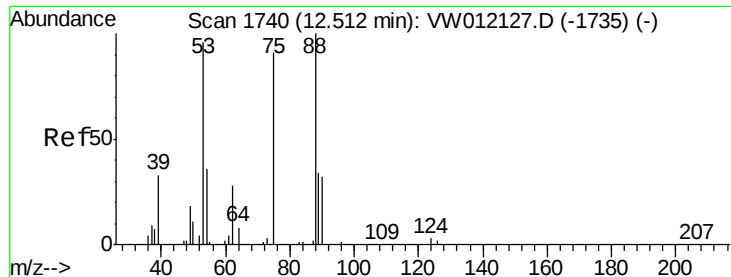
120 47.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.212 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

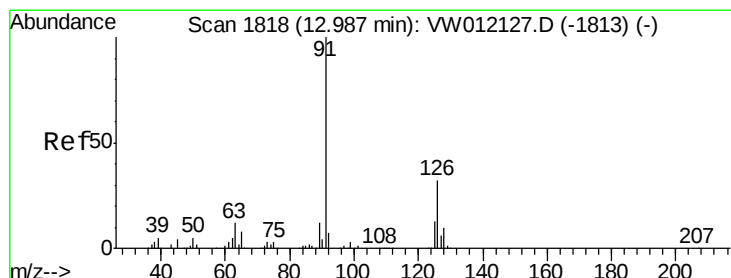
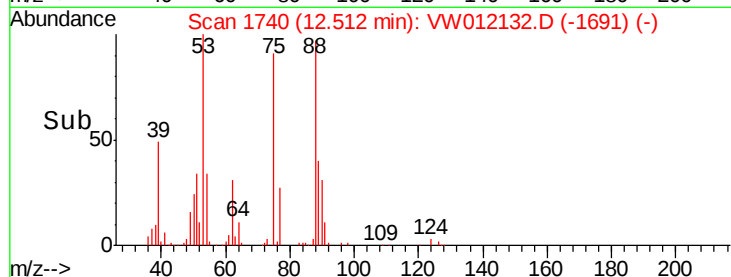
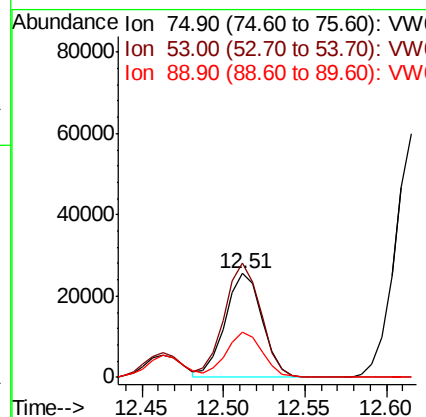
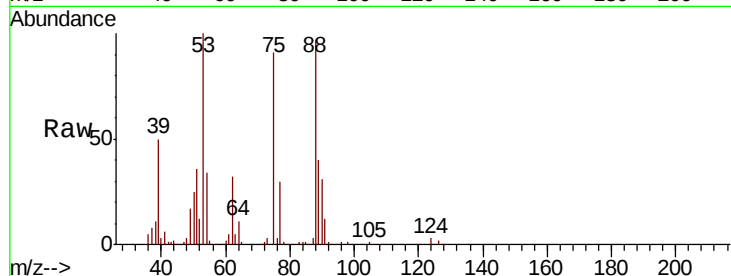
Tgt Ion: 75 Resp: 40743

Ion Ratio Lower Upper

75 100

53 109.6 89.4 134.0

89 42.0 34.5 51.7



#82

4-Chlorotoluene

Concen: 49.619 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012132.D

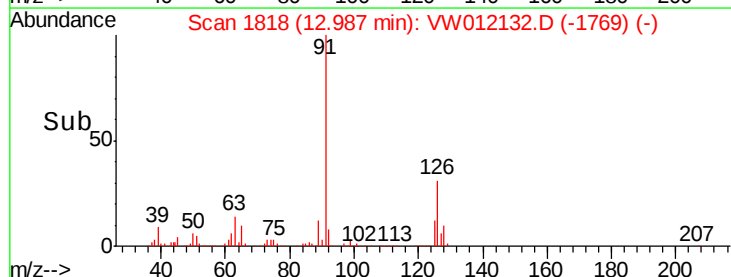
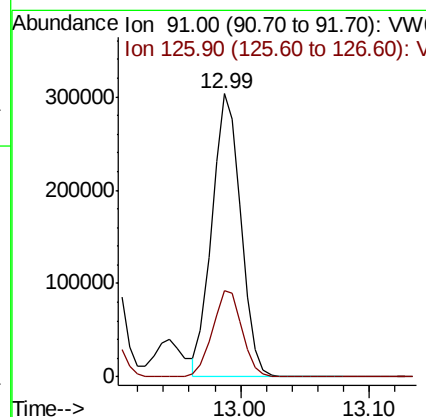
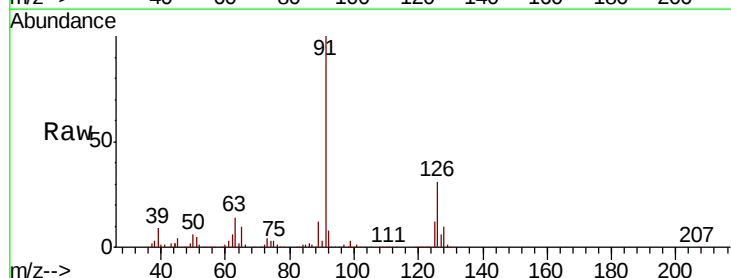
Acq: 23 Aug 2019 14:47

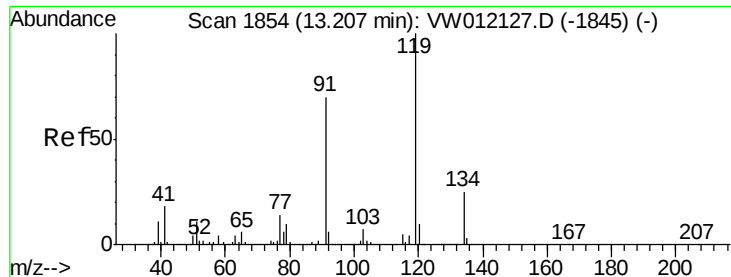
Tgt Ion: 91 Resp: 474014

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8

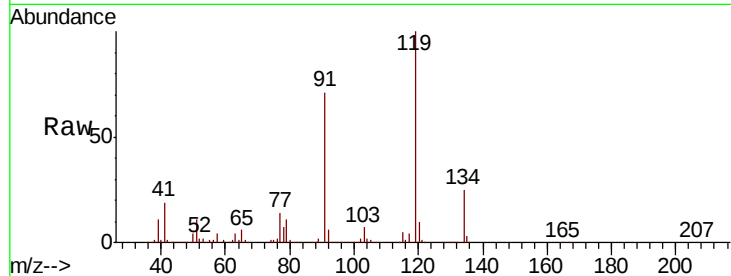




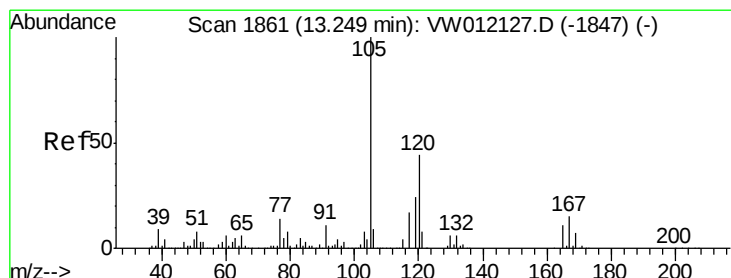
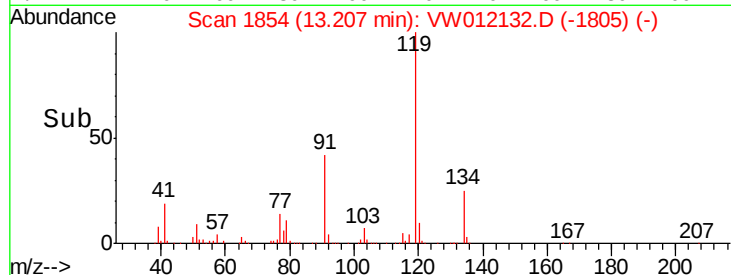
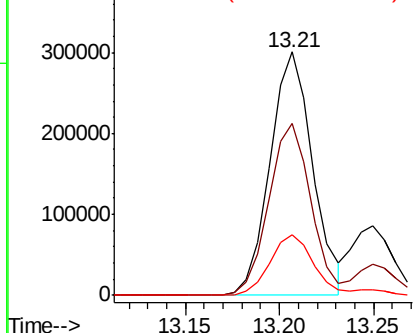
#83
 tert-Butylbenzene
 Concen: 50.741 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 472764
 Ion Ratio Lower Upper
 119 100
 91 69.5 34.8 104.3
 134 25.2 13.3 39.8

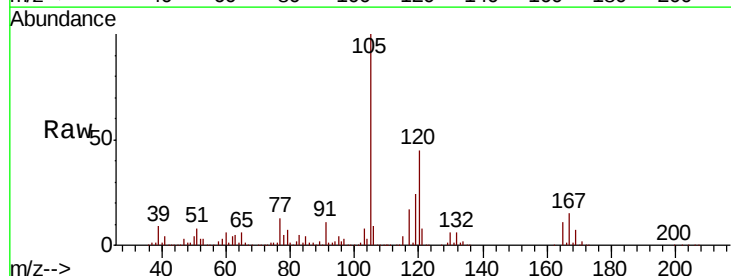


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

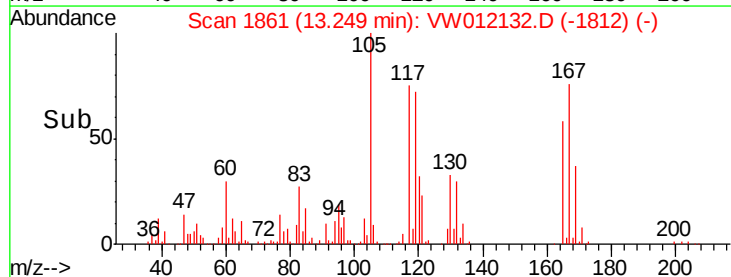
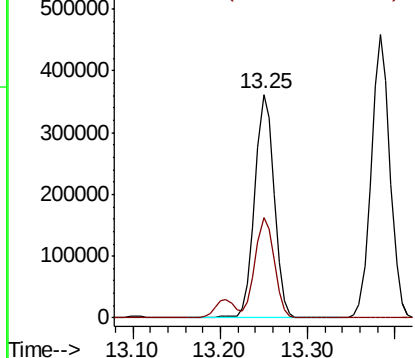


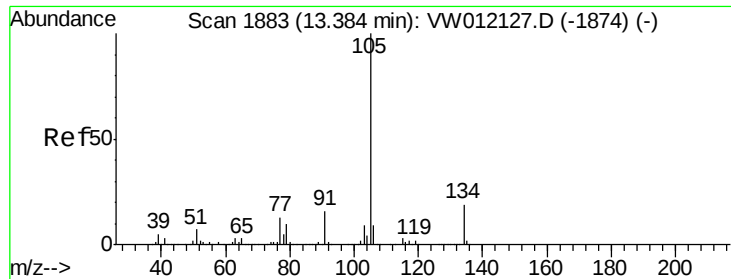
#84
 1,2,4-Trimethylbenzene
 Concen: 50.310 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion:105 Resp: 555878
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

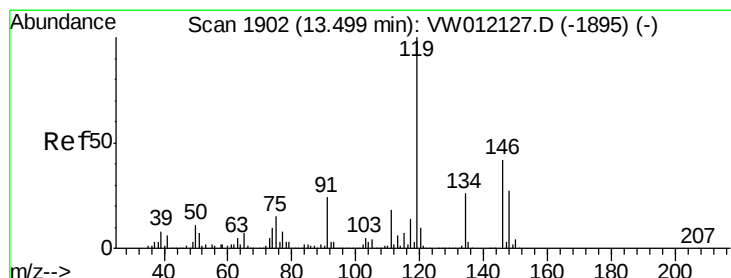
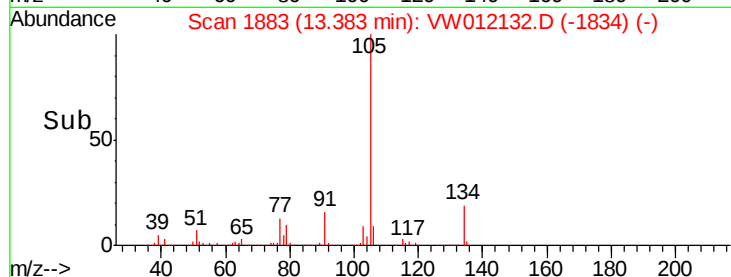
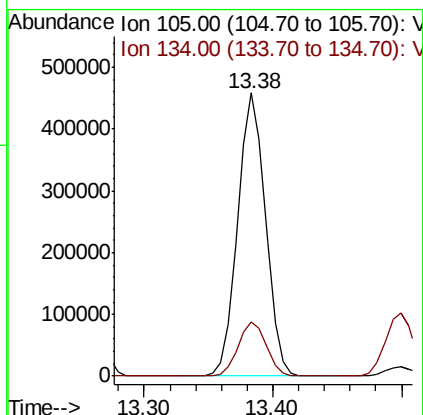
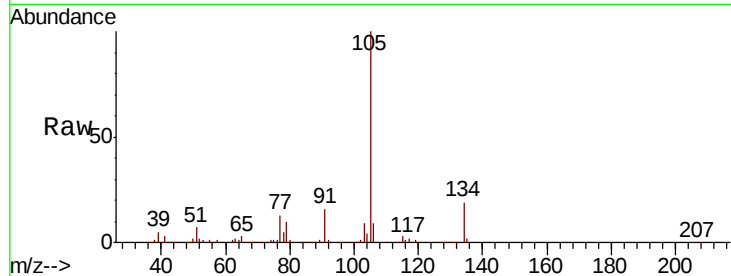




#85
 sec-Butylbenzene
 Concen: 51.297 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

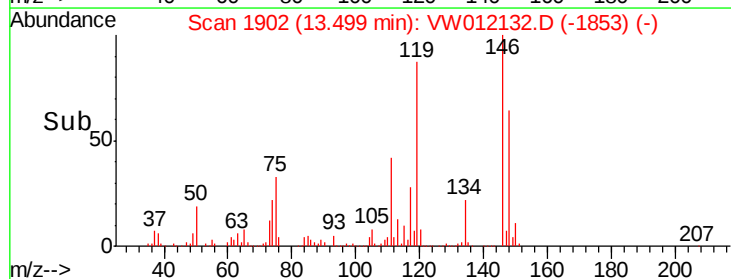
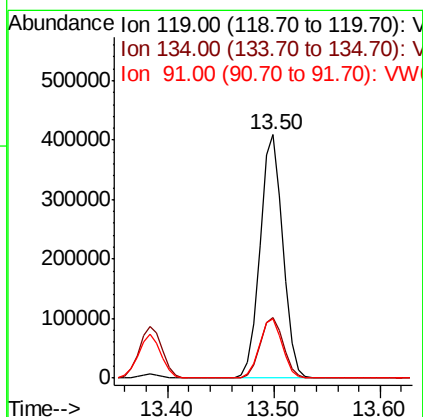
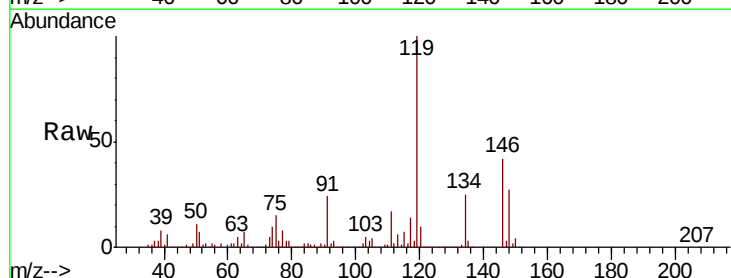
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 684754
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 51.423 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion:119 Resp: 613026
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 24.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 49.289 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

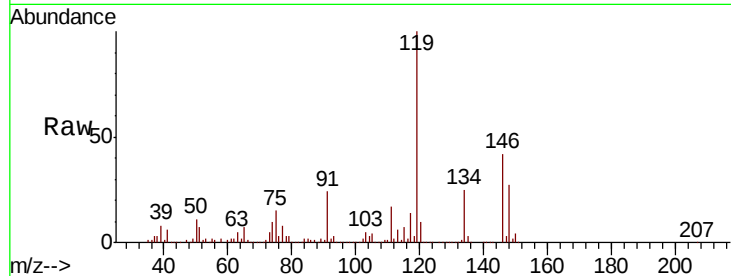
Tgt Ion:146 Resp: 274542

Ion Ratio Lower Upper

146 100

111 41.6 20.9 62.7

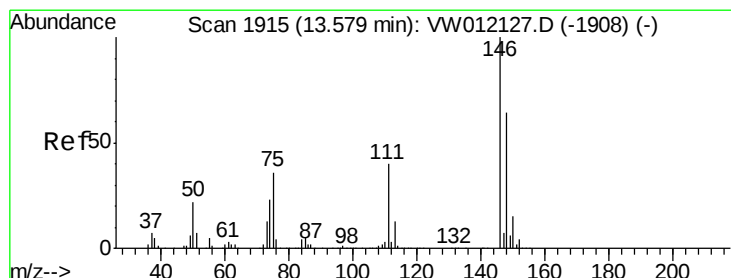
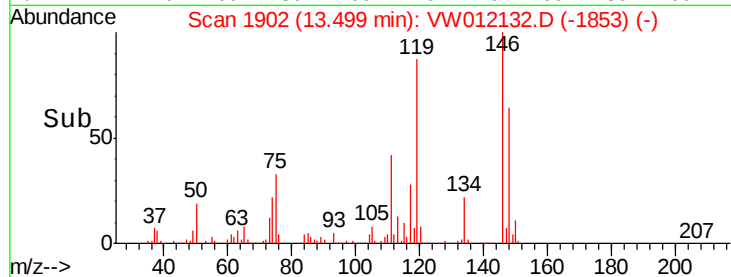
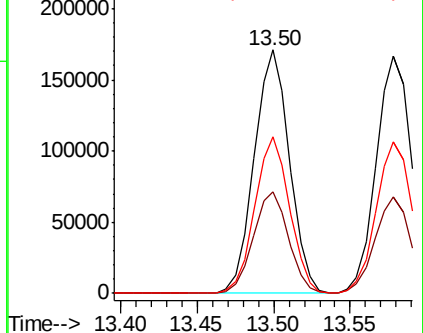
148 63.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.701 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

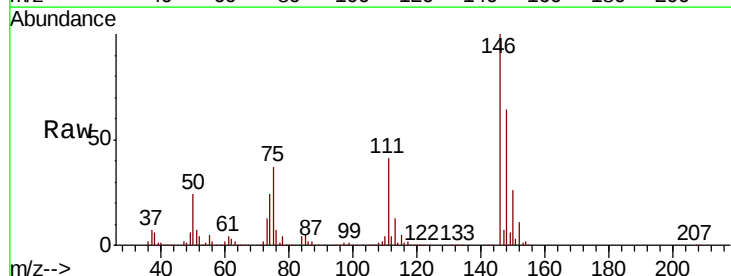
Tgt Ion:146 Resp: 269351

Ion Ratio Lower Upper

146 100

111 40.7 20.0 60.0

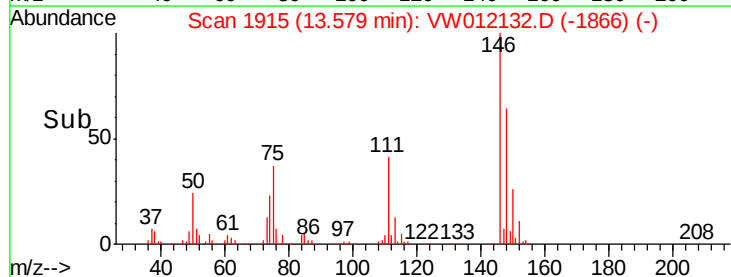
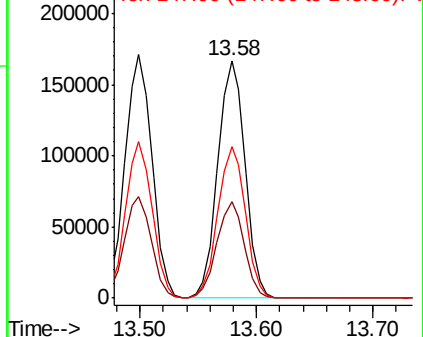
148 64.4 32.1 96.3

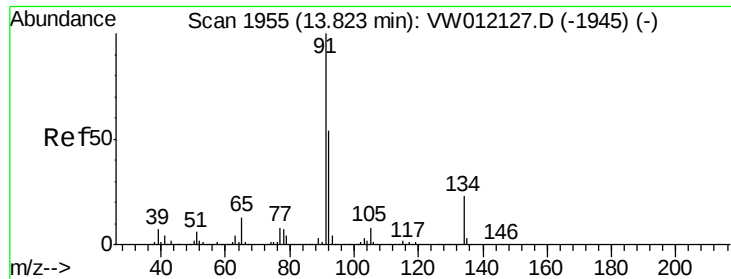


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.327 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

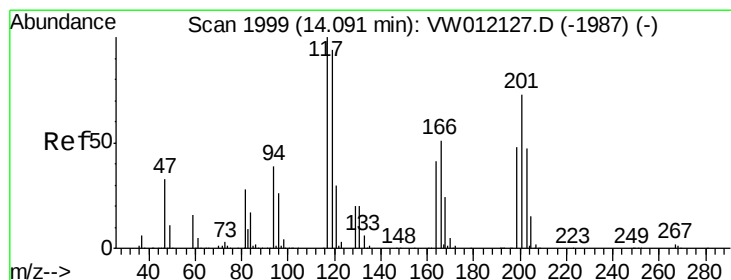
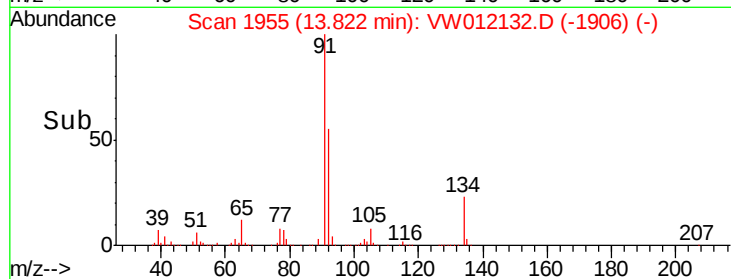
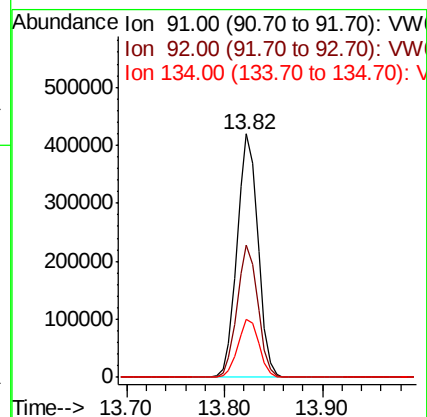
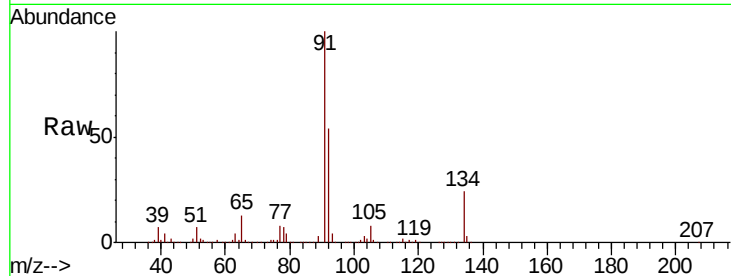
Tgt Ion: 91 Resp: 620327

Ion Ratio Lower Upper

91 100

92 54.0 27.1 81.2

134 24.2 12.2 36.4



#90

Hexachloroethane

Concen: 50.832 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW012132.D

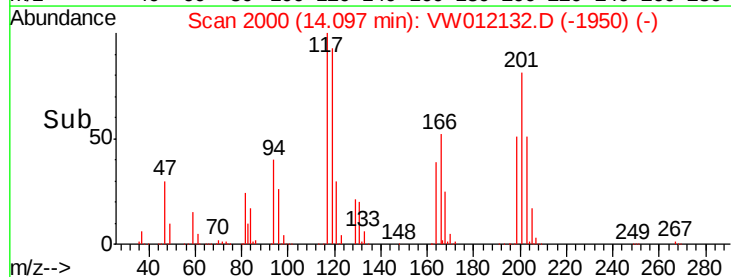
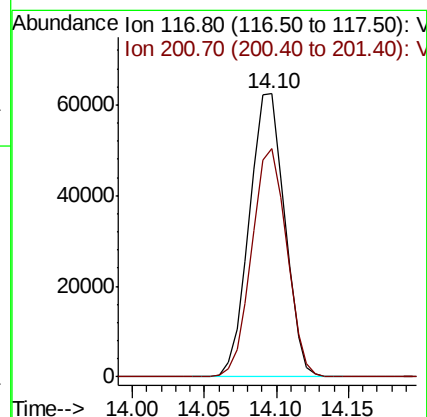
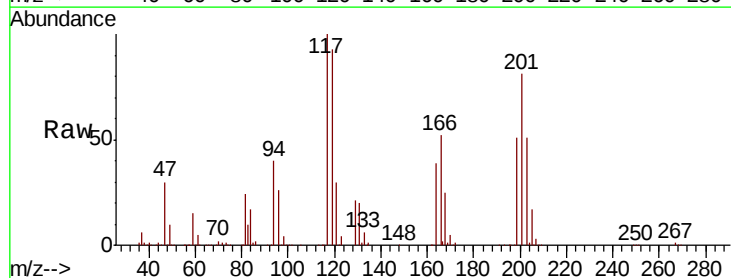
Acq: 23 Aug 2019 14:47

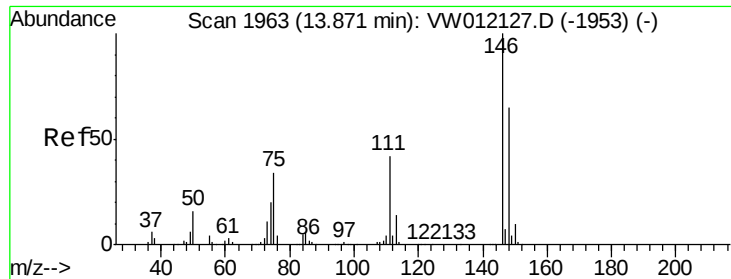
Tgt Ion: 117 Resp: 106317

Ion Ratio Lower Upper

117 100

201 79.7 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 49.256 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

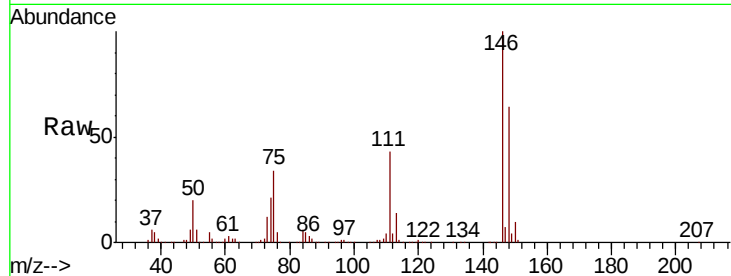
Tgt Ion:146 Resp: 240684

Ion Ratio Lower Upper

146 100

111 43.2 21.2 63.6

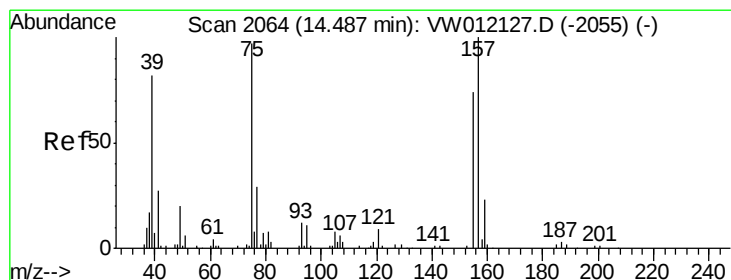
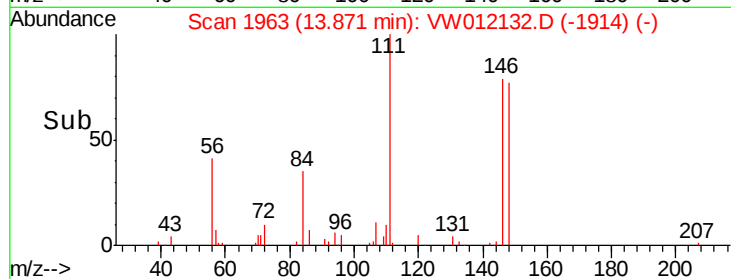
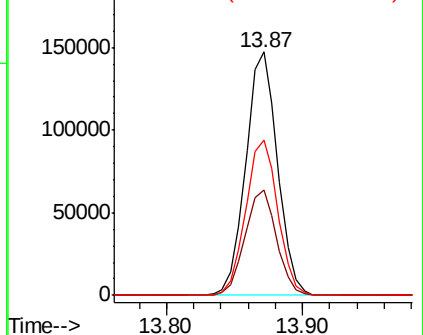
148 64.7 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.867 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

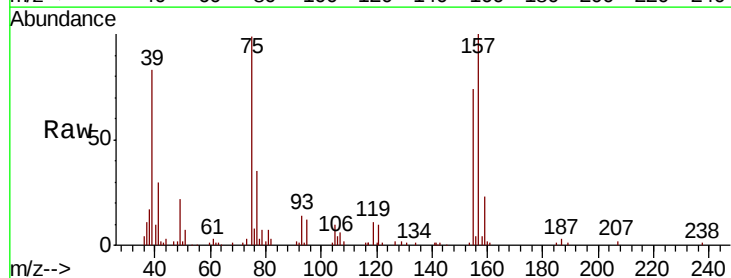
Tgt Ion: 75 Resp: 19474

Ion Ratio Lower Upper

75 100

155 77.2 37.5 112.3

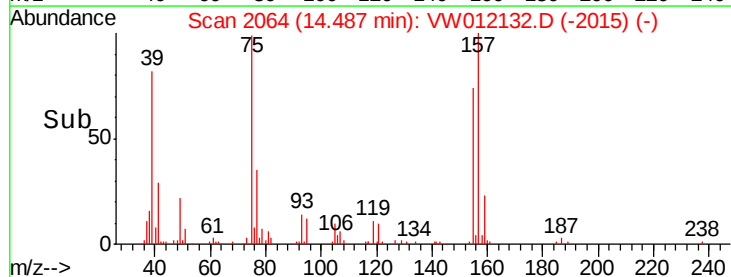
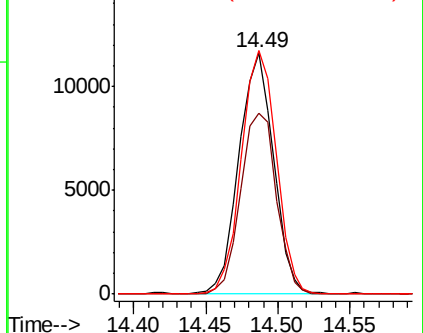
157 101.1 50.5 151.5

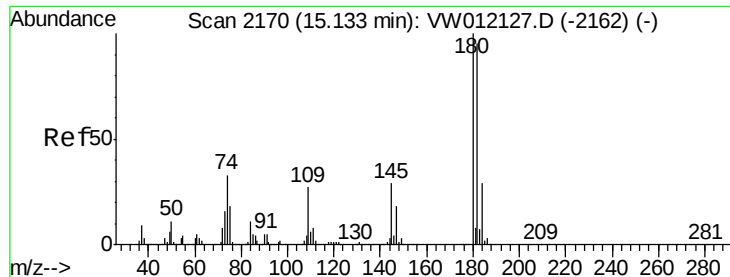


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

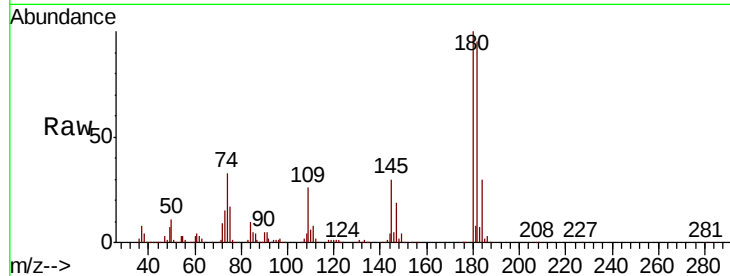




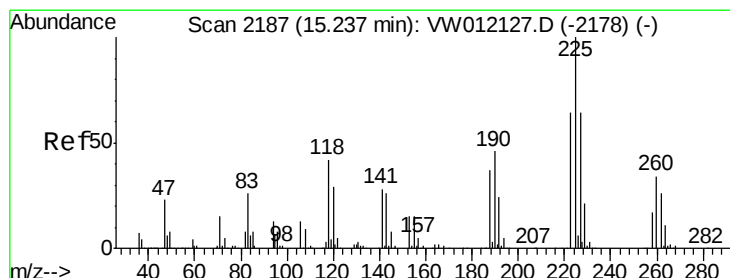
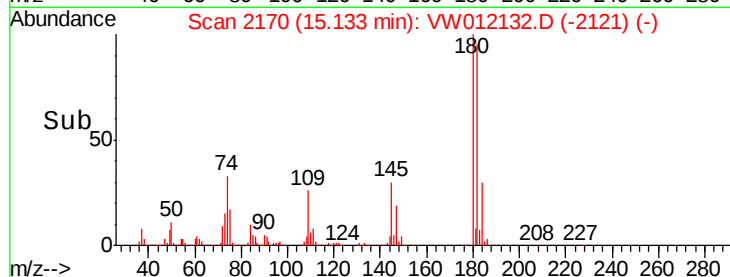
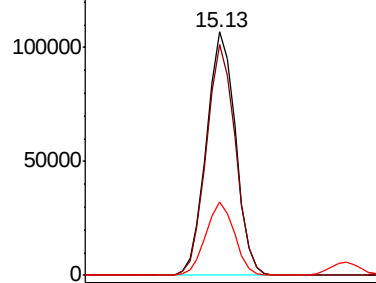
#93
 1,2,4-Trichlorobenzene
 Concen: 52.147 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.4
145	29.8	15.0	45.1

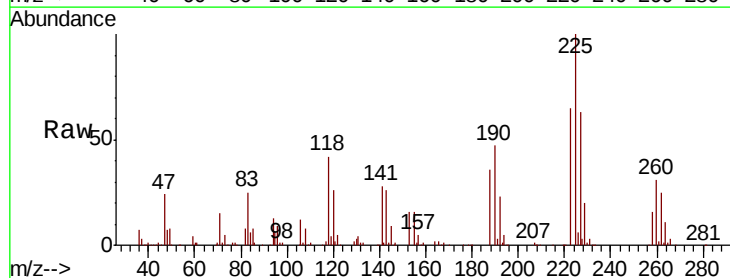


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

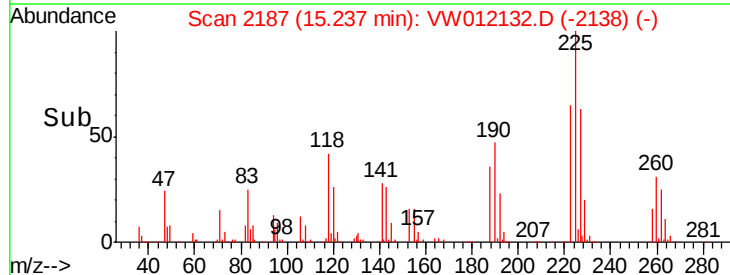
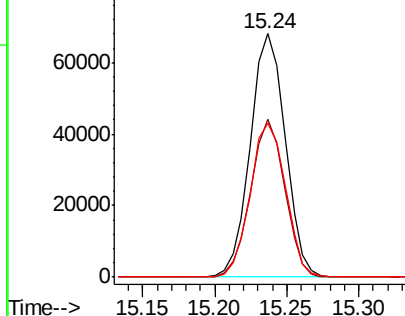


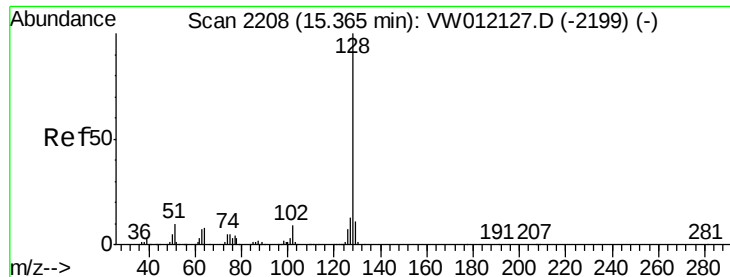
#94
 Hexachlorobutadiene
 Concen: 51.221 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.3	96.8
227	64.2	32.9	98.6



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

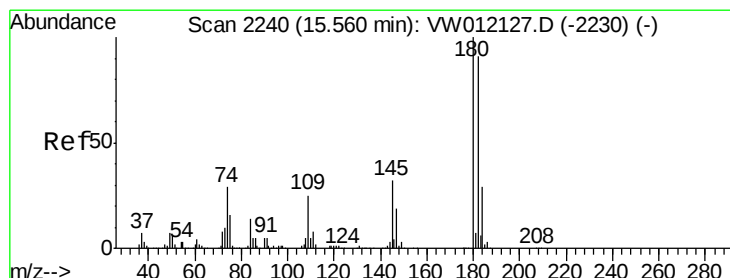
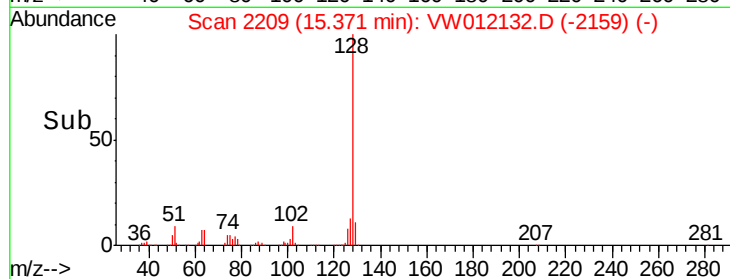
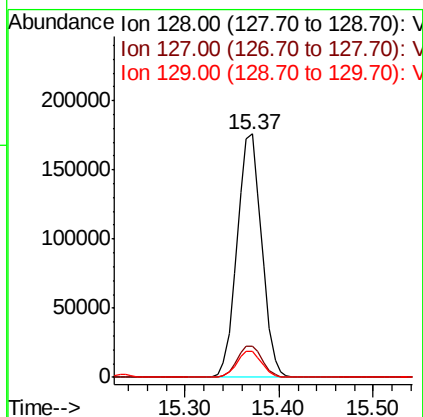
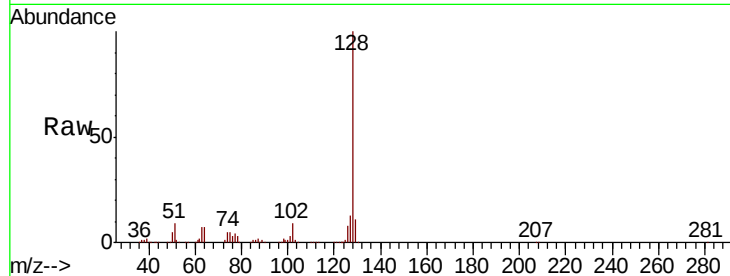




#95
Naphthalene
Concen: 48.187 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 318162
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.830 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion:180 Resp: 152700
Ion Ratio Lower Upper
180 100
182 94.5 47.1 141.3
145 32.0 16.2 48.5

