

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011816.D
 Acq On : 09 Aug 2019 16:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 11 01:27:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152722	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	137210	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	109782	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
50) Toluene-d8	10.32	98	442667	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.62	95	156309	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	68317	54.049	ug/l	96
3) Chloromethane	2.21	50	106291	48.496	ug/l	98
4) Vinyl Chloride	2.36	62	137493	52.106	ug/l	98
5) Bromomethane	2.78	94	72303	49.503	ug/l	99
6) Chloroethane	2.92	64	78490	52.074	ug/l	99
7) Trichlorofluoromethane	3.26	101	72102	61.141	ug/l	98
8) Diethyl Ether	3.68	74	67279	50.318	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	122752	54.872	ug/l	98
10) Methyl Iodide	4.27	142	164411	52.006	ug/l	98
11) Tert butyl alcohol	5.15	59	44431	229.732	ug/l	98
12) 1,1-Dichloroethene	4.04	96	126281	53.464	ug/l	95
13) Acrolein	3.89	56	44756	239.512	ug/l	99
14) Allyl chloride	4.67	41	273849	54.511	ug/l	98
15) Acrylonitrile	5.36	53	170240	255.058	ug/l	100
16) Acetone	4.12	43	200635	242.193	ug/l	98
17) Carbon Disulfide	4.38	76	384553	52.018	ug/l	99
18) Methyl Acetate	4.67	43	94050	50.537	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	194103	51.786	ug/l	96
20) Methylene Chloride	4.92	84	139957	48.987	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	134499	52.817	ug/l	99
22) Diisopropyl ether	6.31	45	496701	52.441	ug/l	99
23) Vinyl Acetate	6.25	43	1560651	262.227	ug/l	99
24) 1,1-Dichloroethane	6.21	63	271138	53.451	ug/l	99
25) 2-Butanone	7.16	43	259899	239.760	ug/l	98
26) 2,2-Dichloropropane	7.16	77	153362	49.160	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	144639	51.608	ug/l	99
28) Bromochloromethane	7.51	49	124070	55.104	ug/l	98
29) Tetrahydrofuran	7.52	42	157875	254.792	ug/l	99
30) Chloroform	7.67	83	244308	52.204	ug/l	98
31) Cyclohexane	7.96	56	252828	51.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	195844	54.950	ug/l	99
36) 1,1-Dichloropropene	8.08	75	206513	55.420	ug/l	99
37) Ethyl Acetate	7.25	43	110353	51.474	ug/l	98
38) Carbon Tetrachloride	8.07	117	181597	56.927	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	228695	55.737	ug/l	97
40) Benzene	8.32	78	560394	53.690	ug/l	99
41) Methacrylonitrile	7.48	41	69033	53.867	ug/l	94
42) 1,2-Dichloroethane	8.40	62	175577	53.728	ug/l	100
43) Isopropyl Acetate	8.42	43	209164	53.051	ug/l	99
44) Trichloroethene	9.09	130	136046	54.230	ug/l	97
45) 1,2-Dichloropropane	9.37	63	149914	53.679	ug/l	100
46) Dibromomethane	9.46	93	67947	53.306	ug/l	98
47) Bromodichloromethane	9.65	83	181662	54.331	ug/l	100
48) Methyl methacrylate	9.43	41	100570	53.101	ug/l	98
49) 1,4-Dioxane	9.45	88	18953	1026.906	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	540285	263.451	ug/l	100
52) Toluene	10.39	92	339237	53.819	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	188544	53.981	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	224327	54.017	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	95259	52.671	ug/l	98
56) Ethyl methacrylate	10.65	69	141550	53.486	ug/l	98
57) 1,3-Dichloropropane	10.93	76	179828	52.556	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	350813	291.950	ug/l	100
59) 2-Hexanone	10.97	43	385247	266.055	ug/l	100
60) Dibromochloromethane	11.13	129	107448	53.522	ug/l	100
61) 1,2-Dibromoethane	11.24	107	88018	51.427	ug/l	98
64) Tetrachloroethene	10.86	164	109418	53.713	ug/l	97
65) Chlorobenzene	11.66	112	336912	53.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	120357	54.934	ug/l	99
67) Ethyl Benzene	11.73	91	664360	55.458	ug/l	99
68) m/p-Xylenes	11.84	106	475246	109.086	ug/l	99
69) o-Xylene	12.16	106	221970	54.829	ug/l	99
70) Styrene	12.18	104	385628	55.092	ug/l	100
71) Bromoform	12.35	173	60574	54.225	ug/l #	99
73) Isopropylbenzene	12.46	105	622123	54.604	ug/l	99
74) N-amyl acetate	12.27	43	193369	54.210	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	111703	52.122	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	152425	94.324	ug/l #	100
77) Bromobenzene	12.75	156	134229	53.302	ug/l	99
78) n-propylbenzene	12.80	91	762466	54.989	ug/l	99
79) 2-Chlorotoluene	12.89	91	431513	54.019	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	525040	54.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38617	55.074	ug/l	97
82) 4-Chlorotoluene	12.99	91	446675	53.295	ug/l	100
83) tert-Butylbenzene	13.21	119	441676	55.302	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	522484	54.308	ug/l	99
85) sec-Butylbenzene	13.38	105	629722	55.259	ug/l	100
86) p-Isopropyltoluene	13.50	119	569147	55.045	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	260683	52.793	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	258401	52.606	ug/l	100
89) n-Butylbenzene	13.82	91	570483	55.288	ug/l	100
90) Hexachloroethane	14.10	117	99475	54.407	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	229315	52.508	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19438	53.189	ug/l	97

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Response via : Initial Calibration

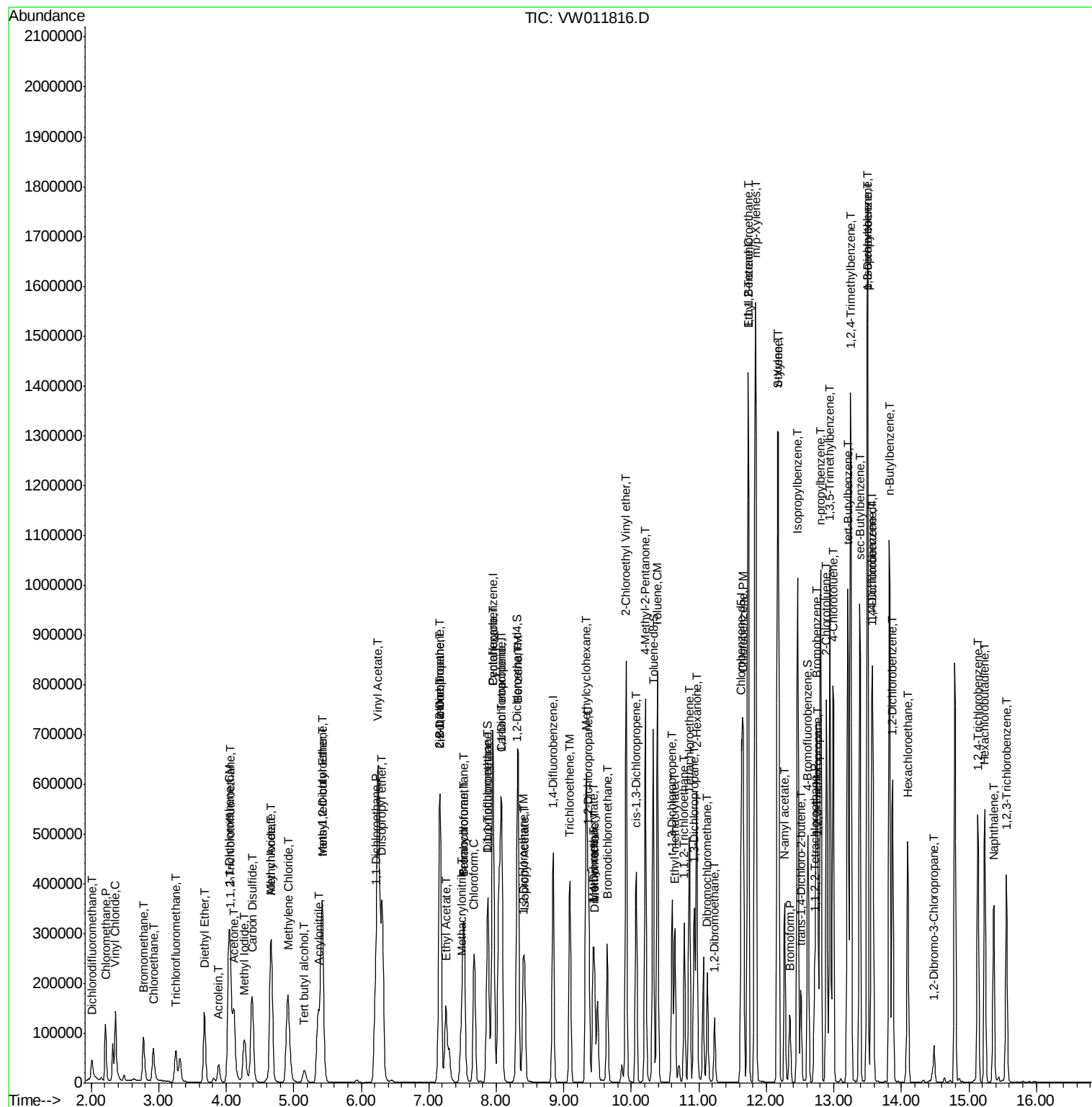
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	161226	52.381	ug/l	99
94) Hexachlorobutadiene	15.24	225	104291	54.334	ug/l	98
95) Naphthalene	15.37	128	295449	49.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	141150	52.317	ug/l	100

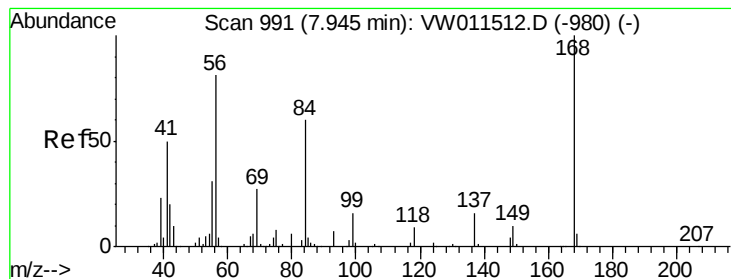
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

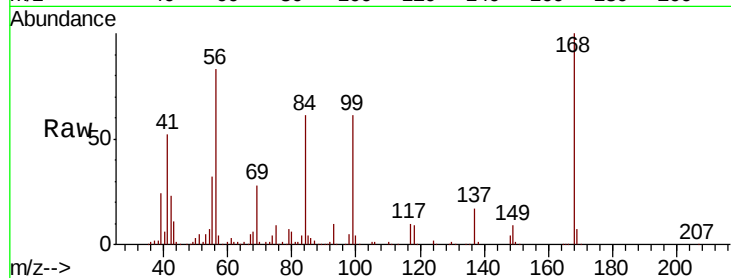
VSTDCCC050

Tgt Ion:168 Resp: 226797

Ion Ratio Lower Upper

168 100

99 61.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

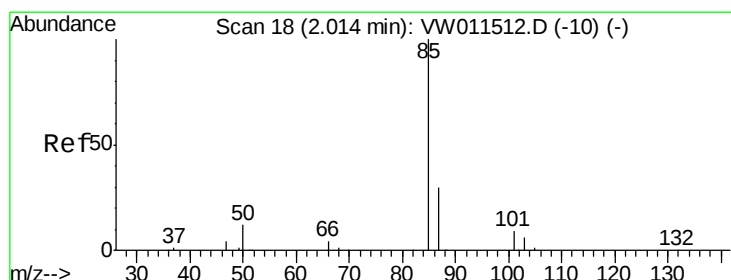
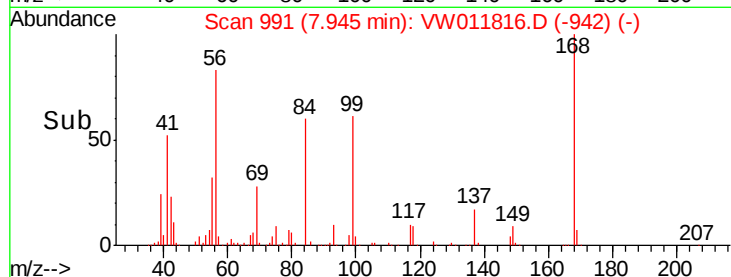
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.049 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011816.D

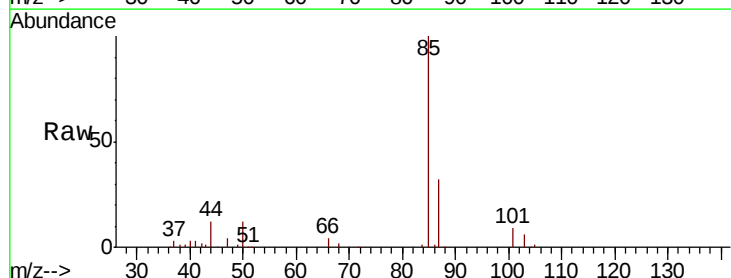
Acq: 09 Aug 2019 16:50

Tgt Ion: 85 Resp: 68317

Ion Ratio Lower Upper

85 100

87 32.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

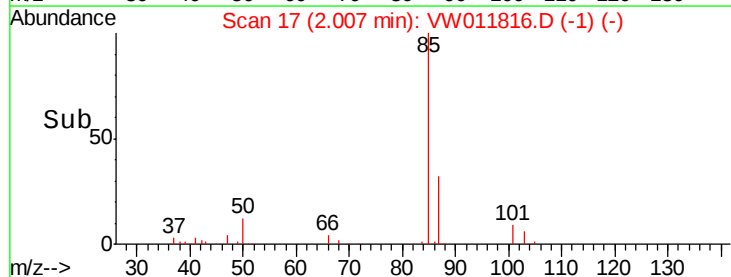
10000

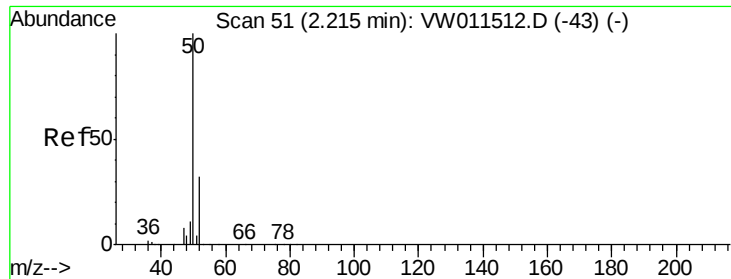
5000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 48.496 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

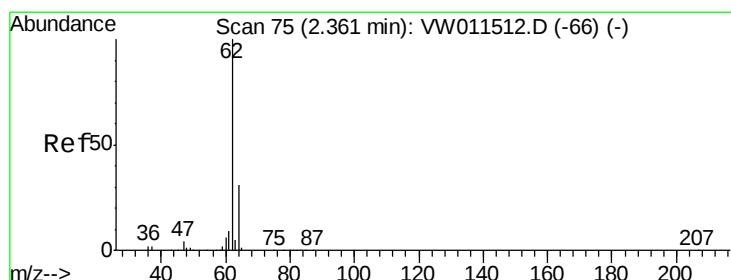
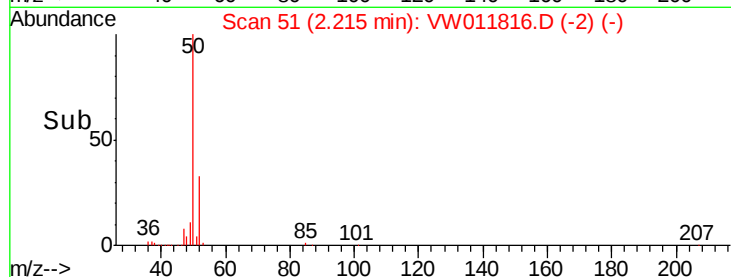
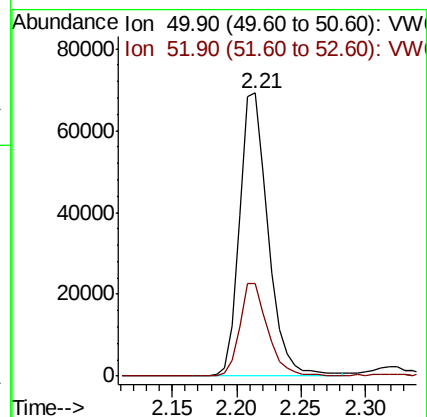
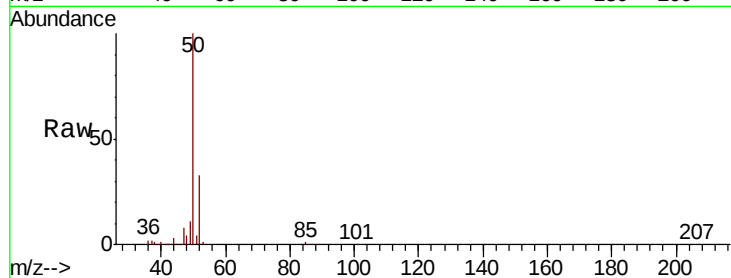
VSTDCCC050

Tgt Ion: 50 Resp: 106291

Ion Ratio Lower Upper

50 100

52 33.0 25.4 38.2



#4

Vinyl Chloride

Concen: 52.106 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011816.D

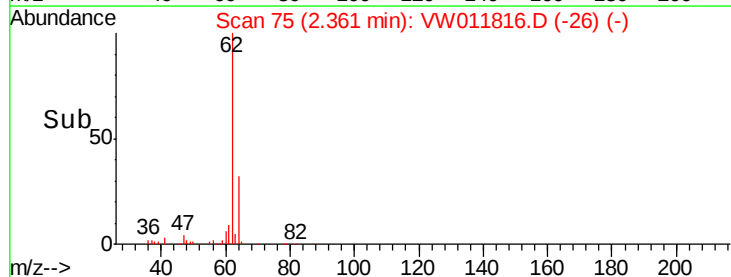
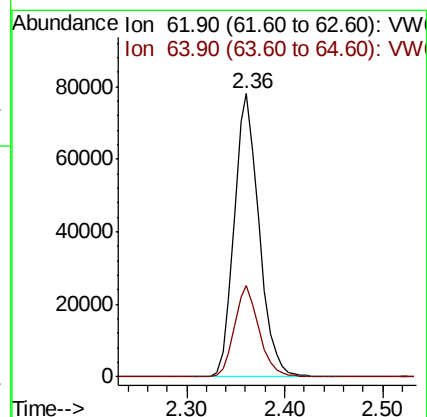
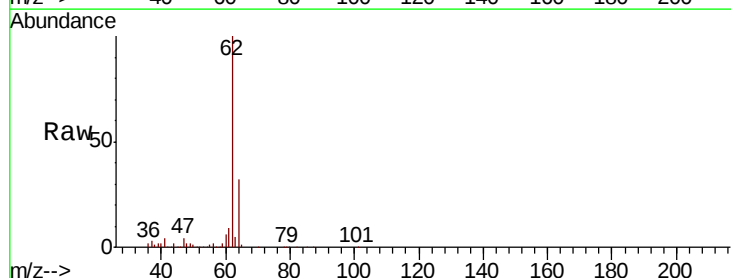
Acq: 09 Aug 2019 16:50

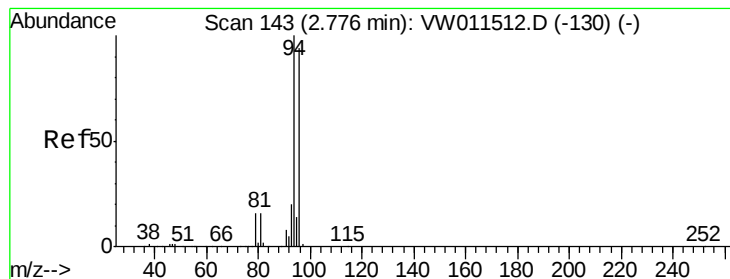
Tgt Ion: 62 Resp: 137493

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 49.503 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

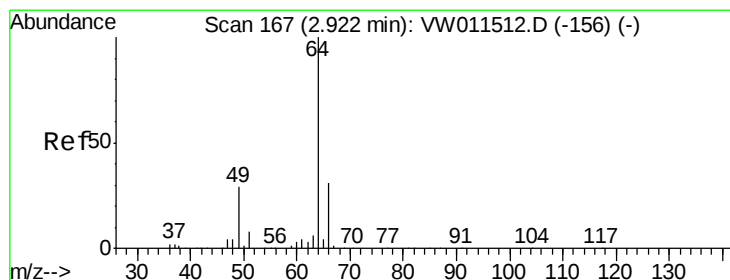
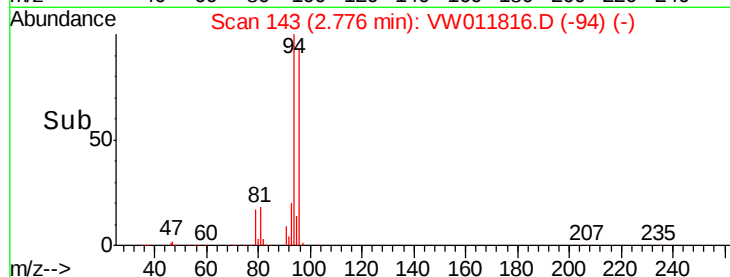
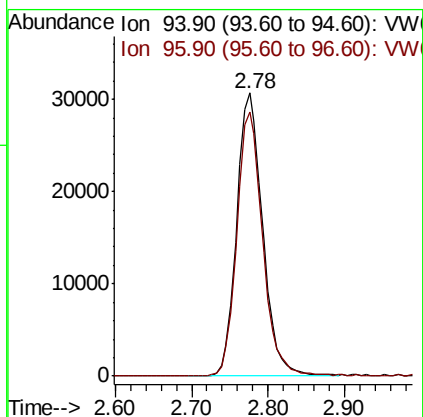
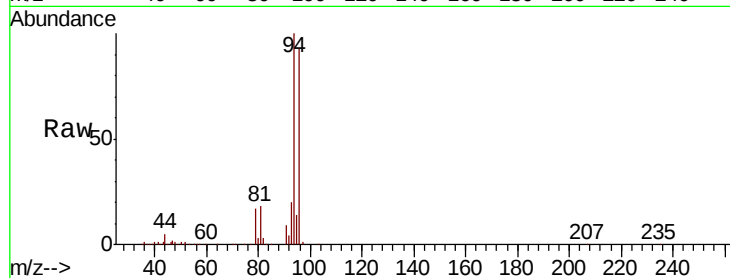
VSTDCCC050

Tgt Ion: 94 Resp: 72303

Ion Ratio Lower Upper

94 100

96 93.1 75.0 112.6



#6

Chloroethane

Concen: 52.074 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011816.D

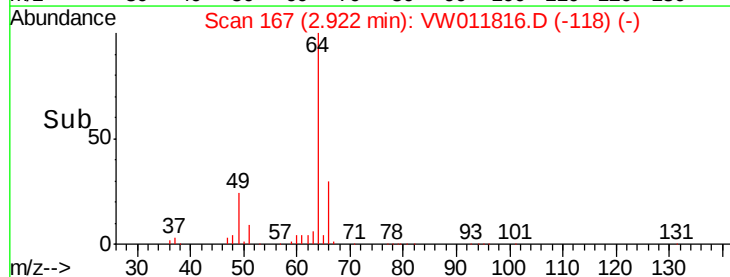
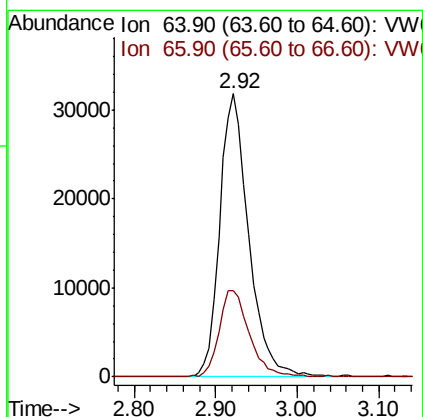
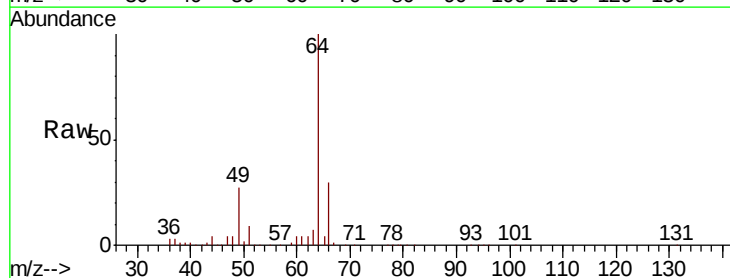
Acq: 09 Aug 2019 16:50

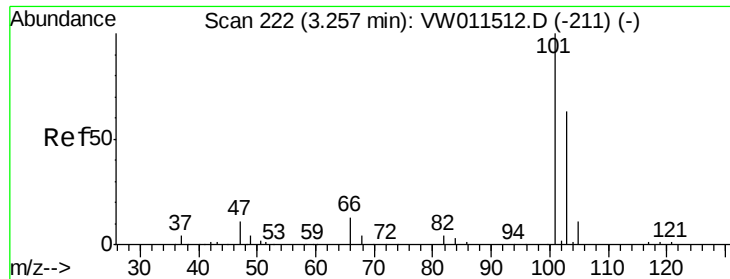
Tgt Ion: 64 Resp: 78490

Ion Ratio Lower Upper

64 100

66 30.1 24.6 36.8



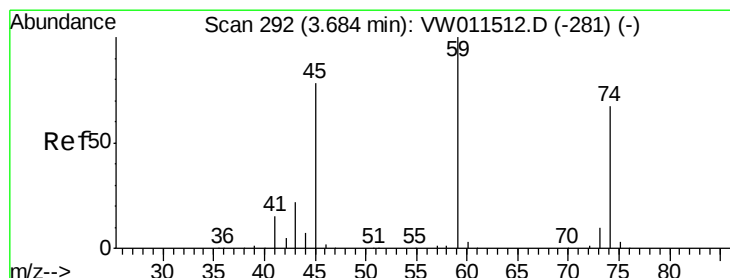
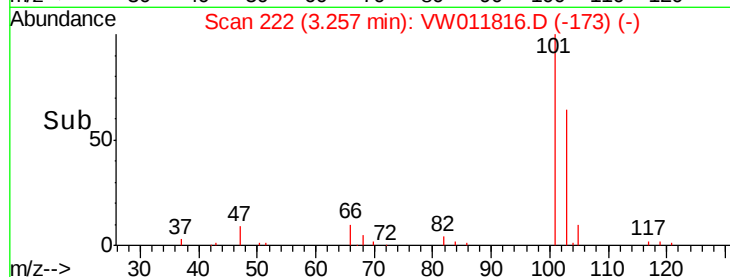
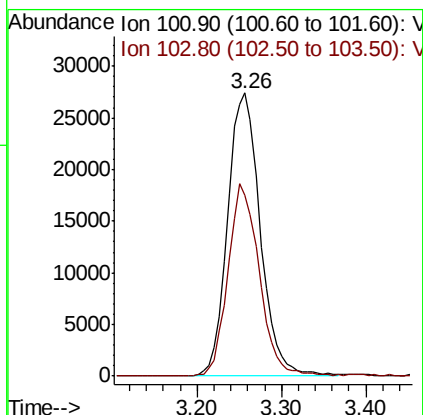
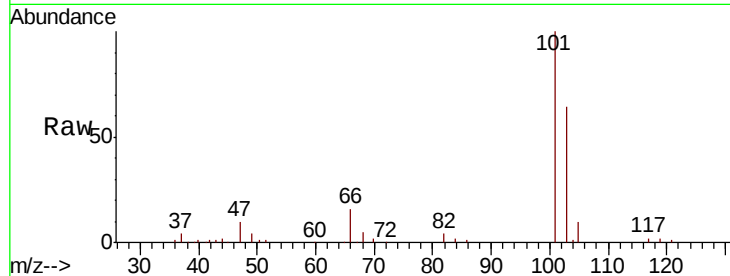


#7

Trichlorofluoromethane
 Concen: 61.141 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
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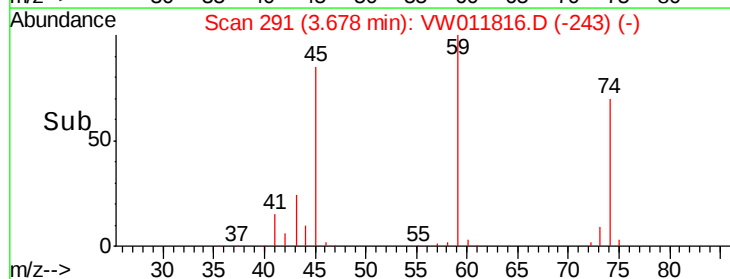
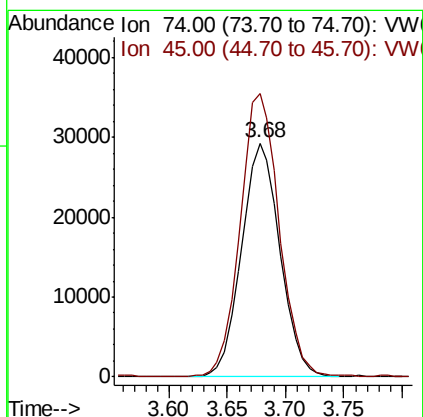
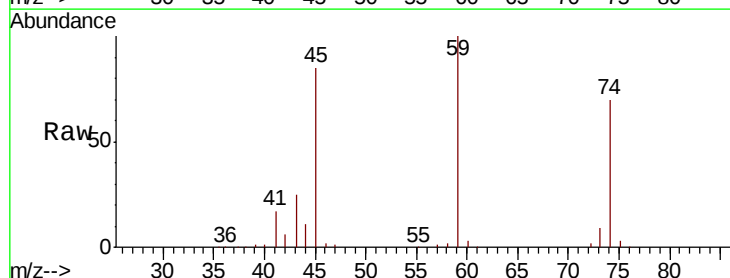
Tgt Ion: 101 Resp: 72102
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.2 75.4

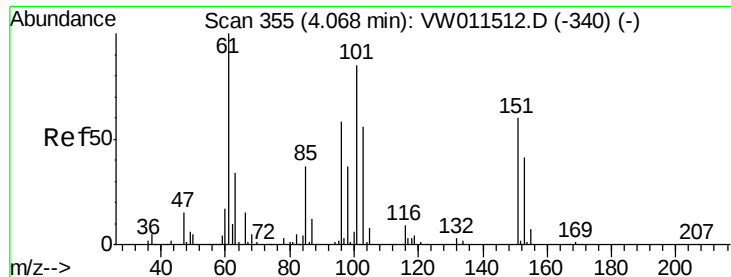


#8

Diethyl Ether
 Concen: 50.318 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 74 Resp: 67279
 Ion Ratio Lower Upper
 74 100
 45 122.3 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.872 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

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VSTDCCC050

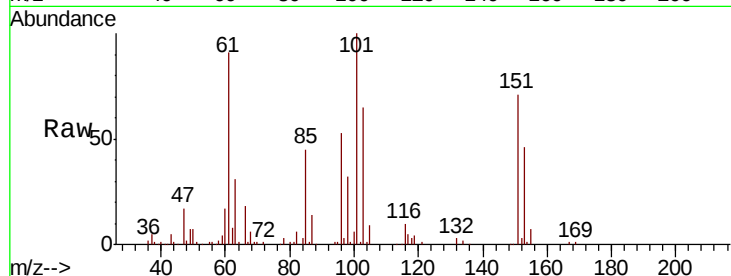
Tgt Ion:101 Resp: 122752

Ion Ratio Lower Upper

101 100

85 45.0 36.6 54.8

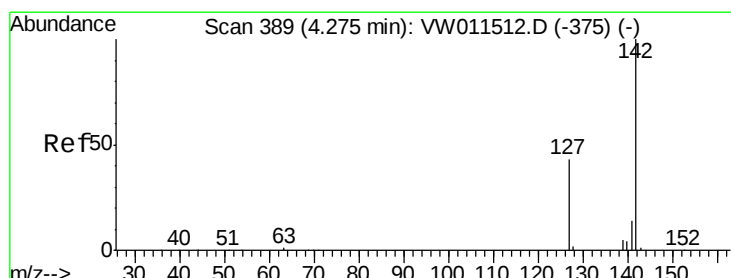
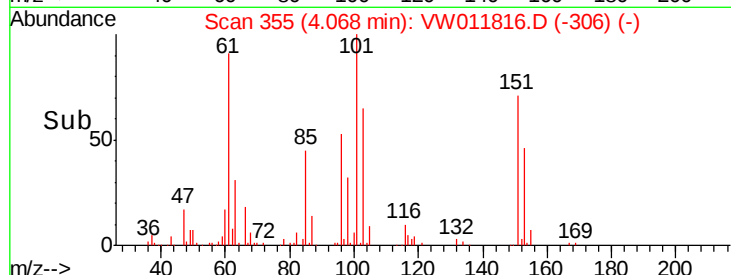
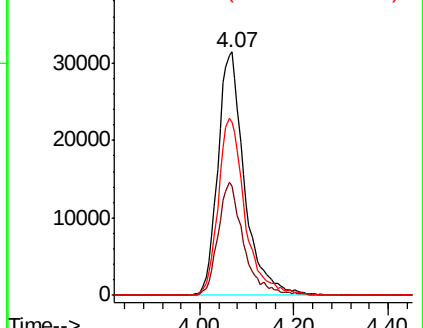
151 73.1 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.006 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

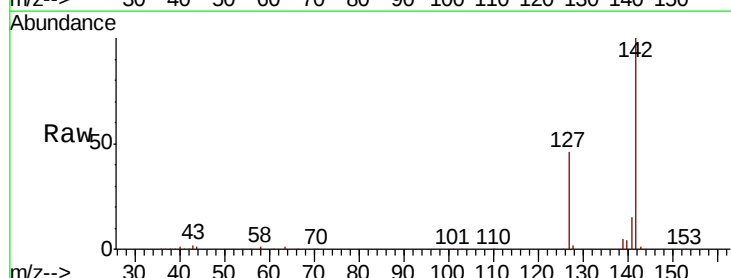
Tgt Ion:142 Resp: 164411

Ion Ratio Lower Upper

142 100

127 45.3 35.0 52.6

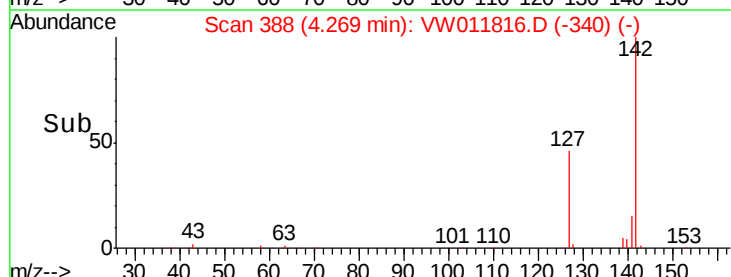
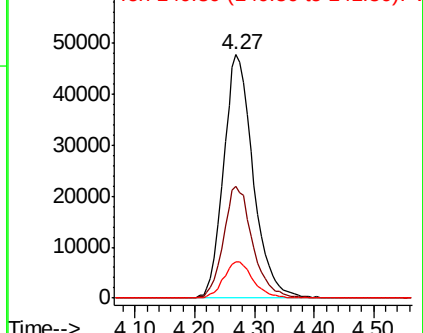
141 15.0 11.9 17.9

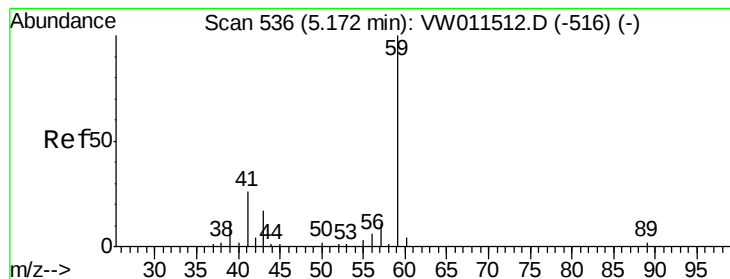


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



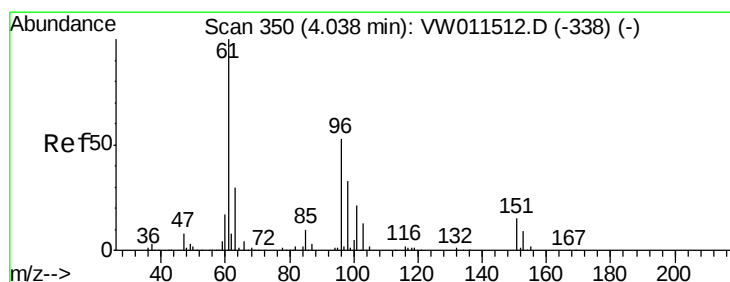
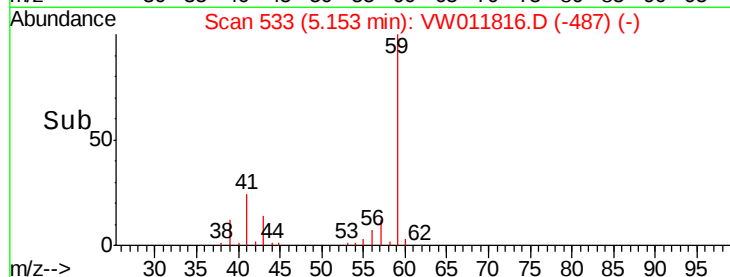
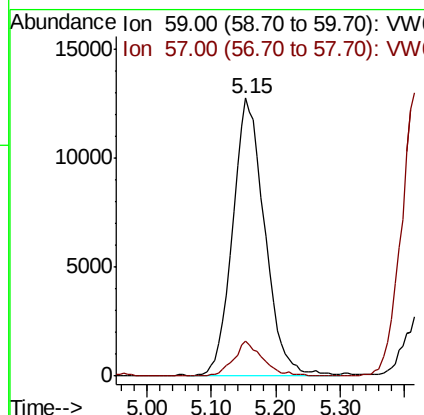
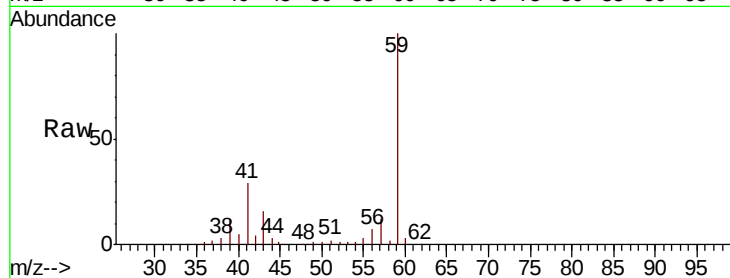


#11

Tert butyl alcohol
 Concen: 229.732 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

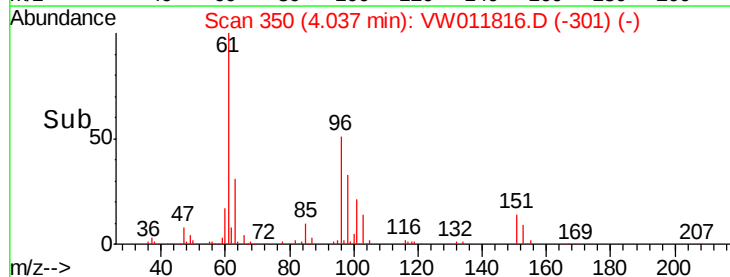
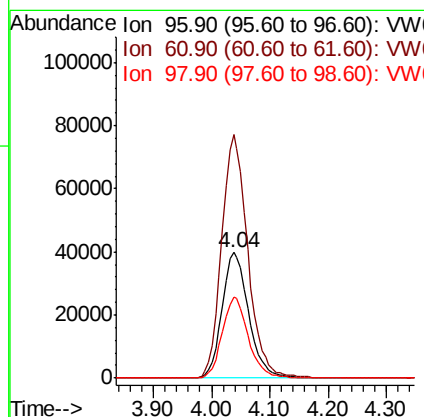
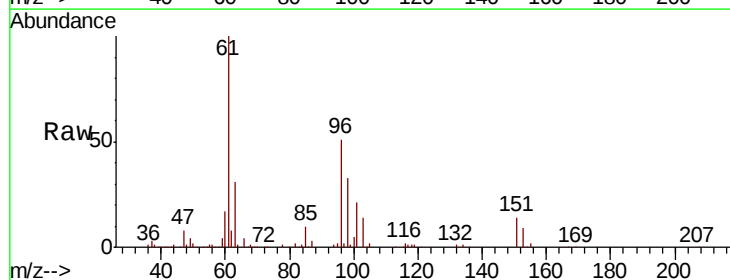
Tgt Ion: 59 Resp: 44431
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.5 12.7

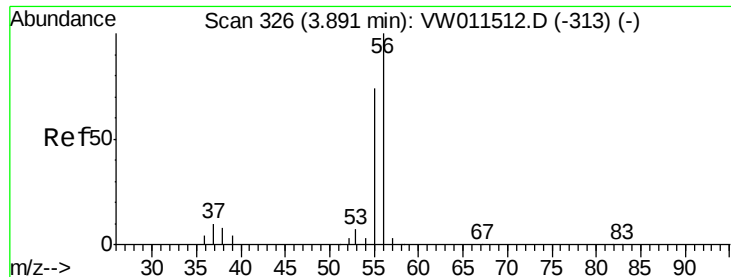


#12

1,1-Dichloroethene
 Concen: 53.464 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 96 Resp: 126281
 Ion Ratio Lower Upper
 96 100
 61 194.3 149.9 224.9
 98 65.1 49.1 73.7

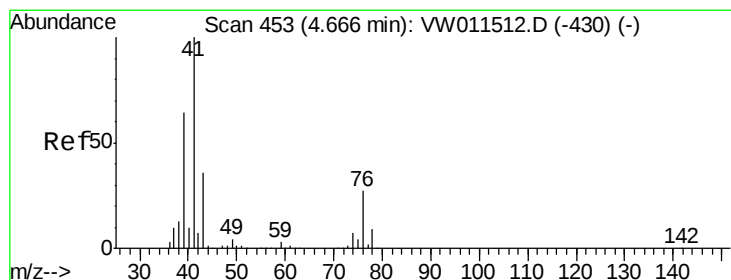
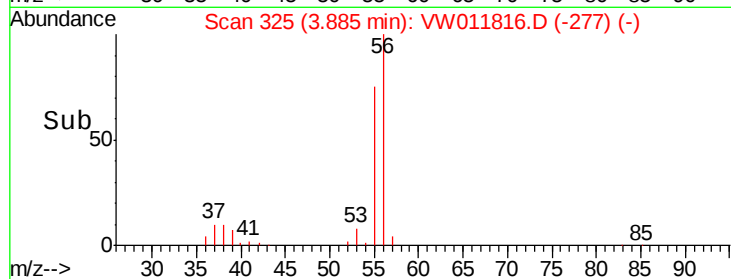
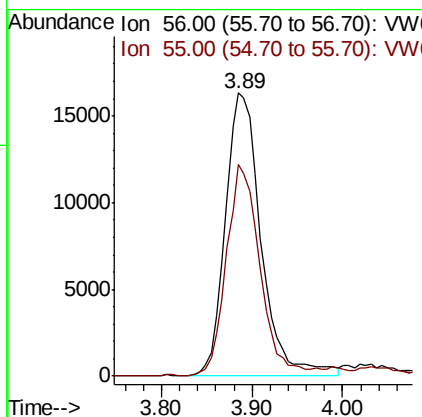
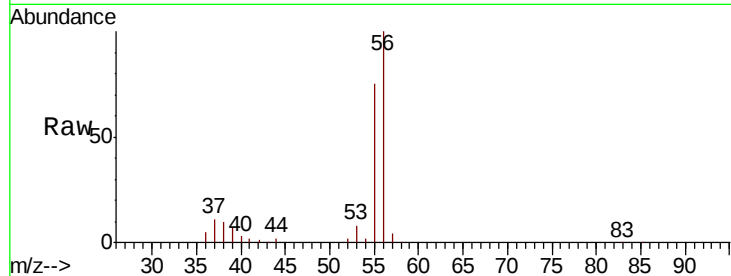




#13
 Acrolein
 Concen: 239.512 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

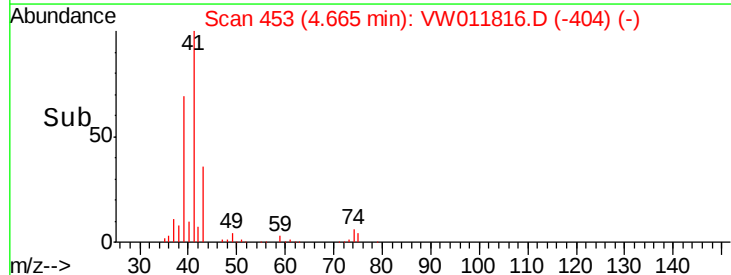
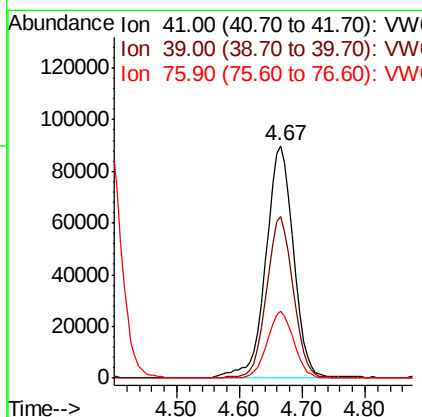
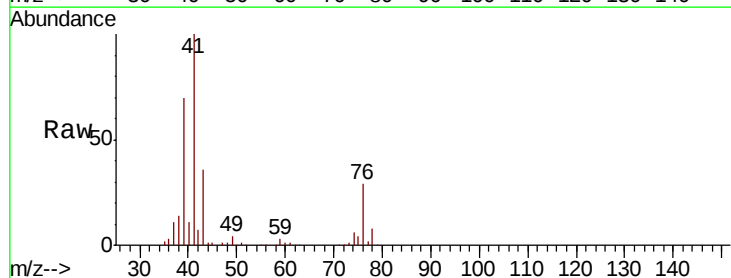
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

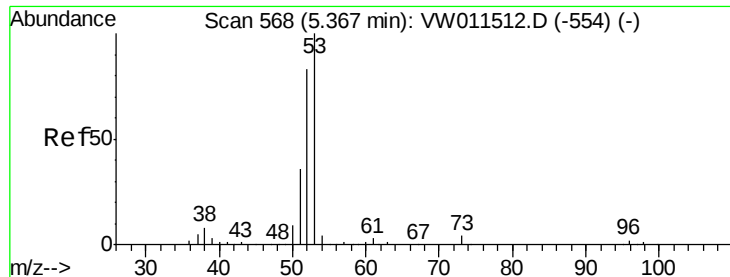
Tgt Ion: 56 Resp: 44756
 Ion Ratio Lower Upper
 56 100
 55 70.6 56.0 84.0



#14
 Allyl chloride
 Concen: 54.511 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 41 Resp: 273849
 Ion Ratio Lower Upper
 41 100
 39 67.7 52.6 78.8
 76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 255.058 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

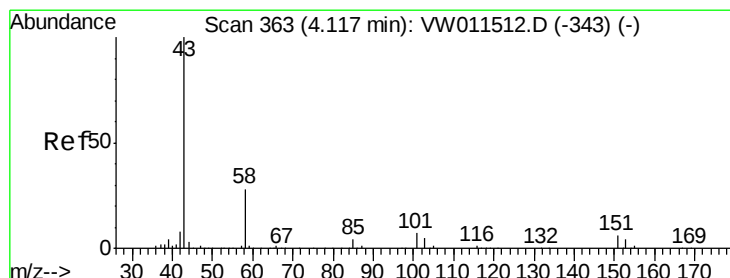
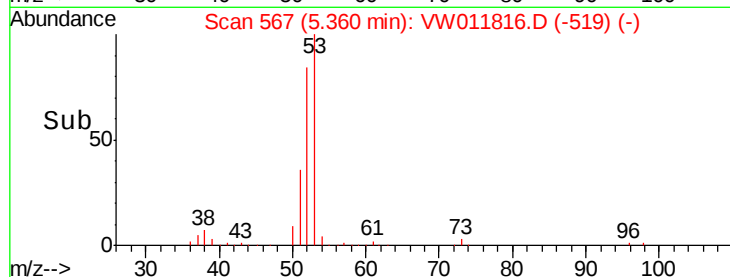
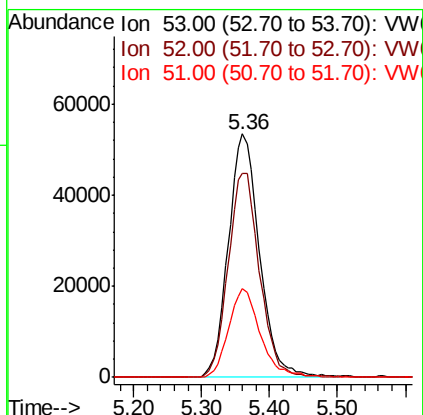
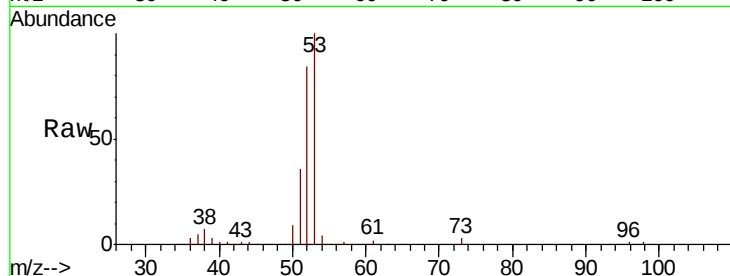
Tgt Ion: 53 Resp: 170240

Ion Ratio Lower Upper

53 100

52 84.0 67.2 100.8

51 37.1 30.0 45.0



#16

Acetone

Concen: 242.193 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011816.D

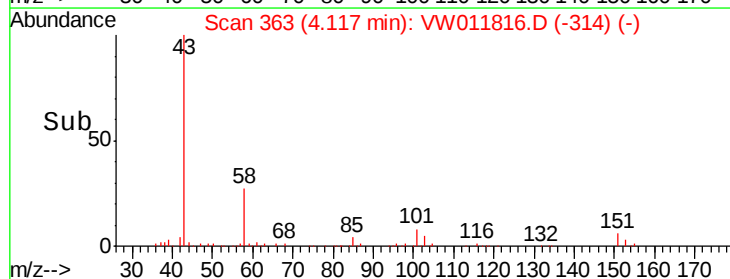
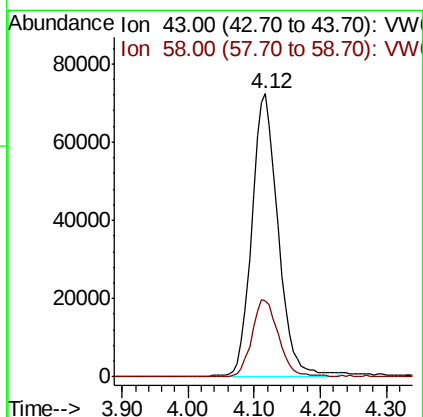
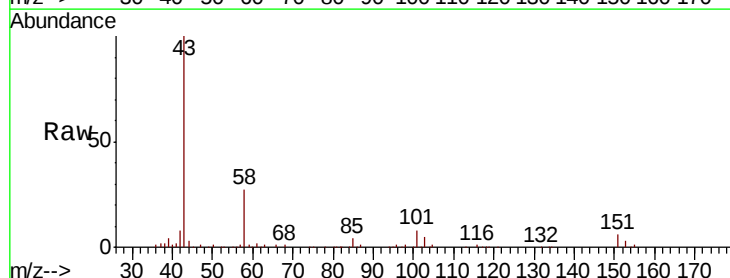
Acq: 09 Aug 2019 16:50

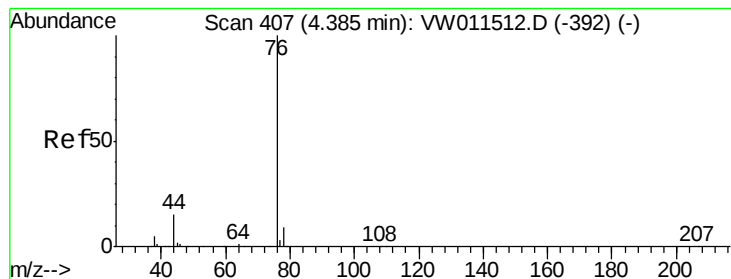
Tgt Ion: 43 Resp: 200635

Ion Ratio Lower Upper

43 100

58 26.8 22.3 33.5





#17

Carbon Disulfide

Concen: 52.018 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

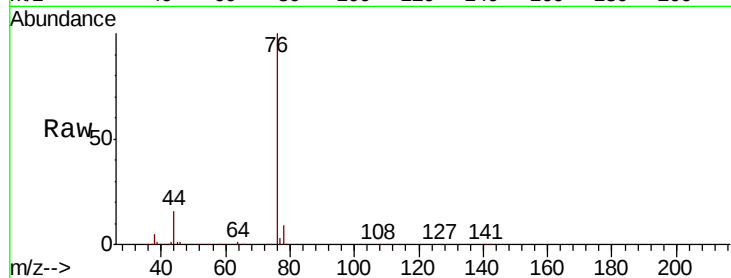
VSTDCCC050

Tgt Ion: 76 Resp: 384553

Ion Ratio Lower Upper

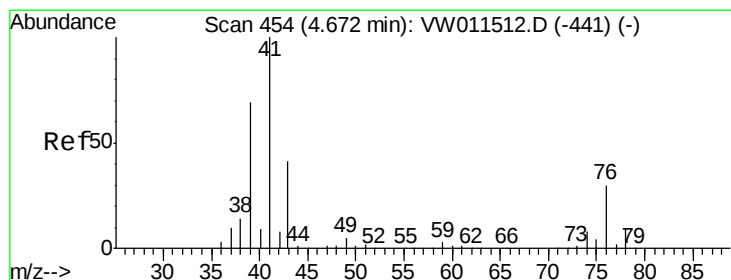
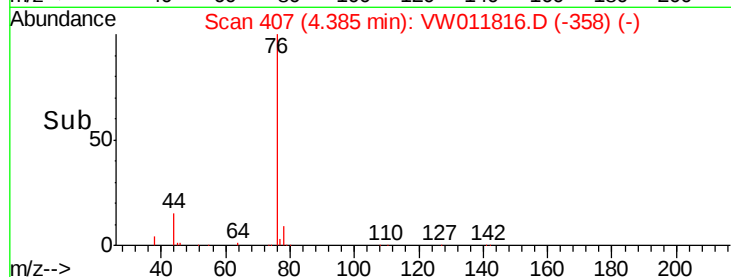
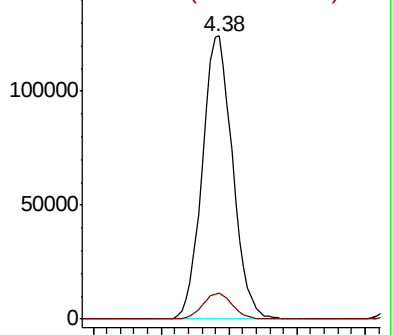
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 50.537 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011816.D

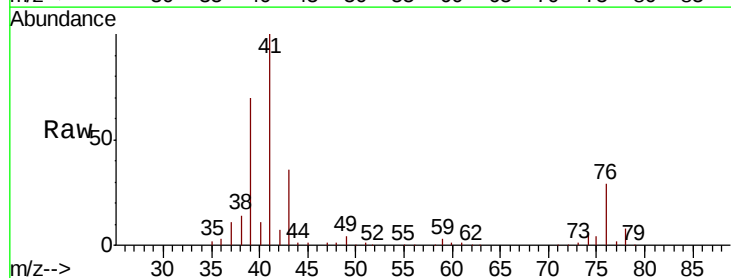
Acq: 09 Aug 2019 16:50

Tgt Ion: 43 Resp: 94050

Ion Ratio Lower Upper

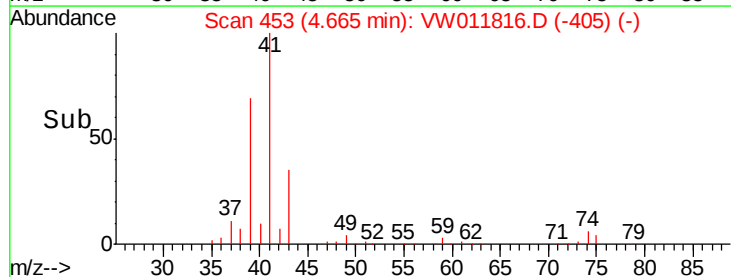
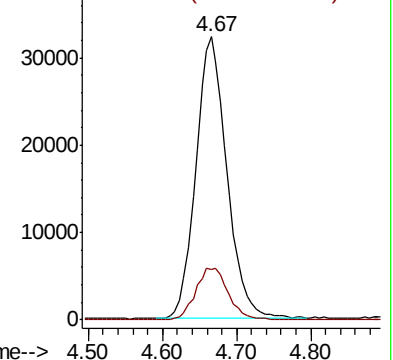
43 100

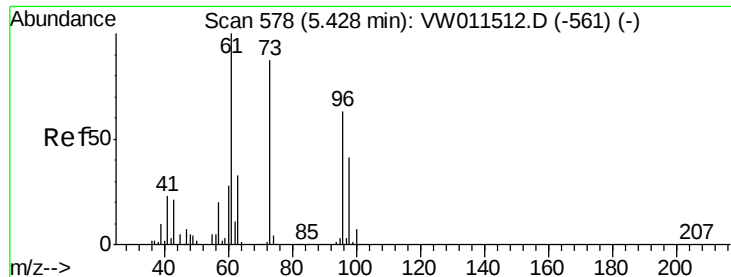
74 19.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

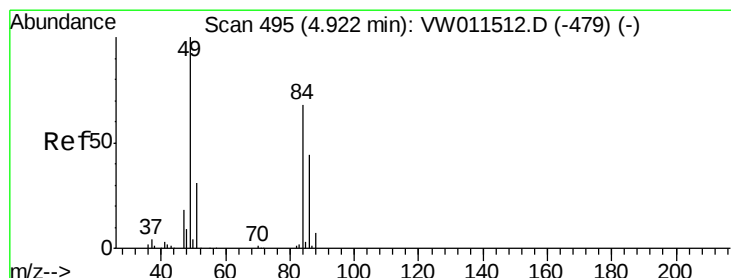
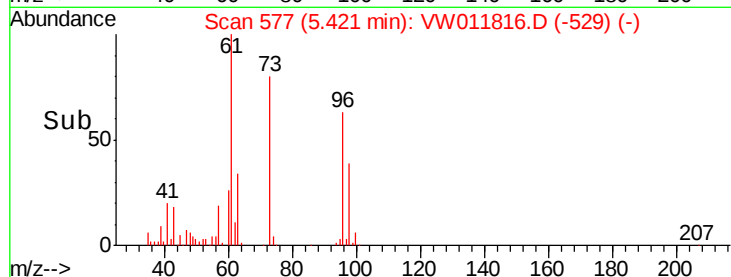
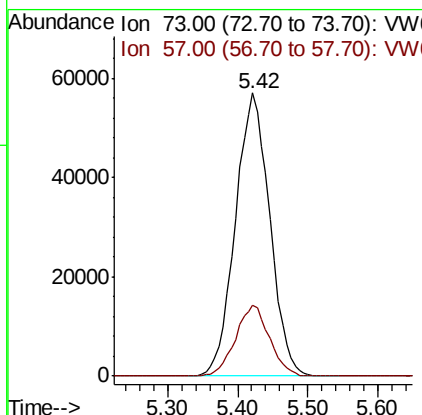
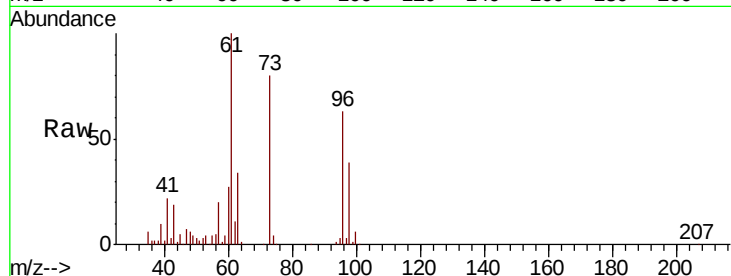




#19
Methyl tert-butyl Ether
Concen: 51.786 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

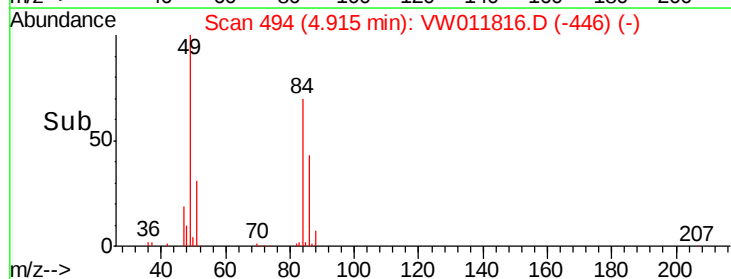
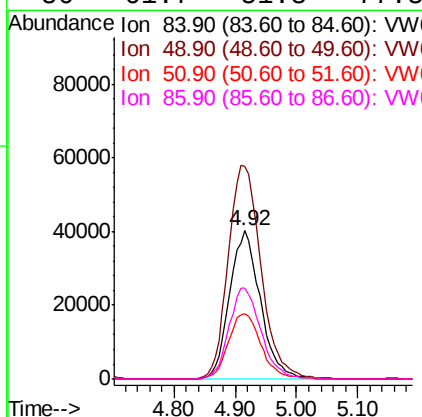
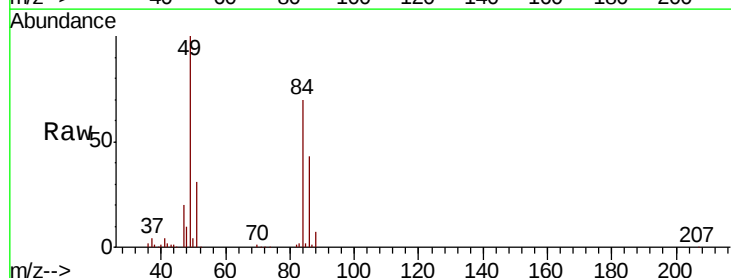
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

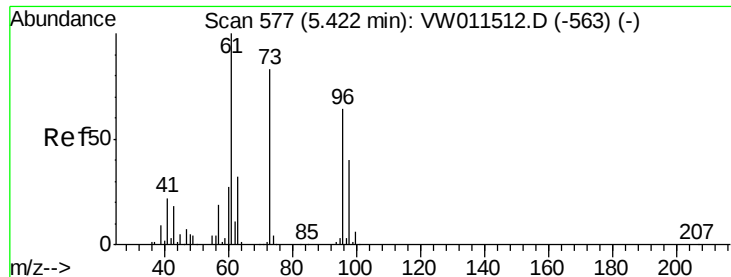
Tgt Ion: 73 Resp: 194103
Ion Ratio Lower Upper
73 100
57 25.1 18.4 27.6



#20
Methylene Chloride
Concen: 48.987 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion: 84 Resp: 139957
Ion Ratio Lower Upper
84 100
49 143.3 117.8 176.6
51 44.2 37.0 55.4
86 61.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 52.817 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

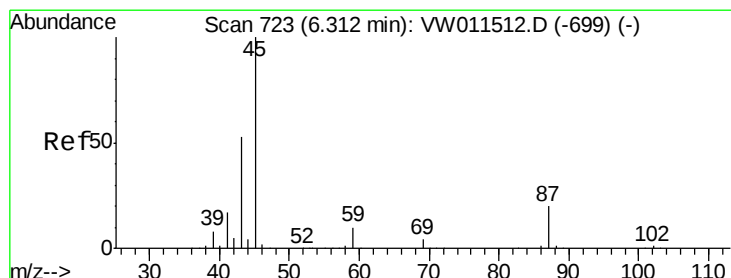
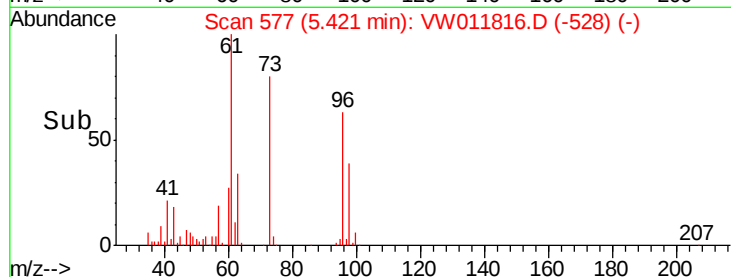
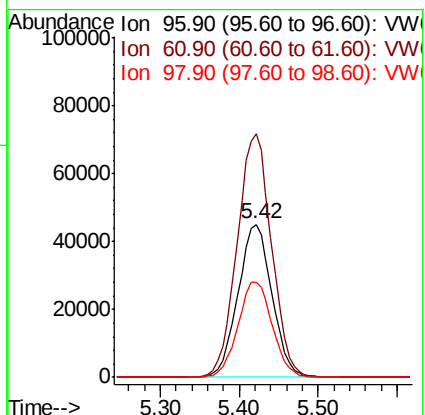
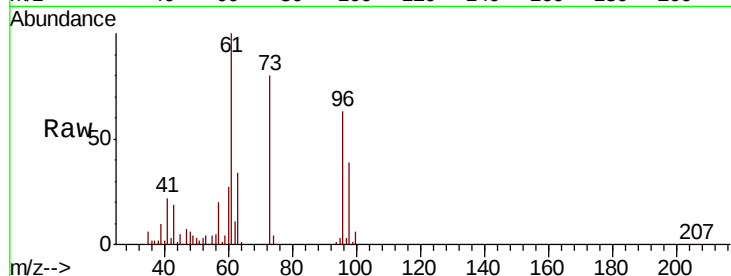
Tgt Ion: 96 Resp: 134499

Ion Ratio Lower Upper

96 100

61 158.7 125.7 188.5

98 62.0 50.3 75.5



#22

Diisopropyl ether

Concen: 52.441 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion: 45 Resp: 496701

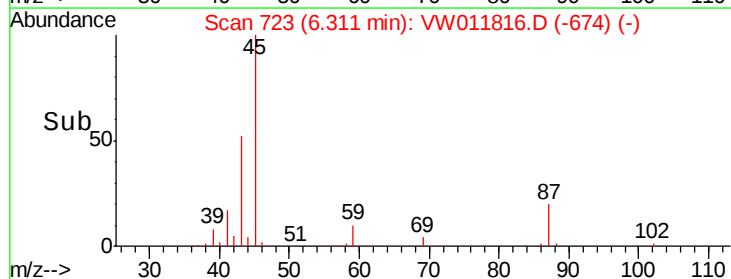
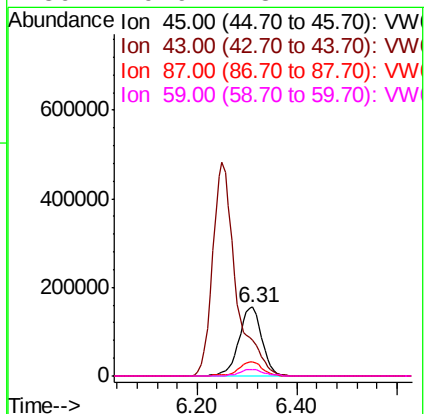
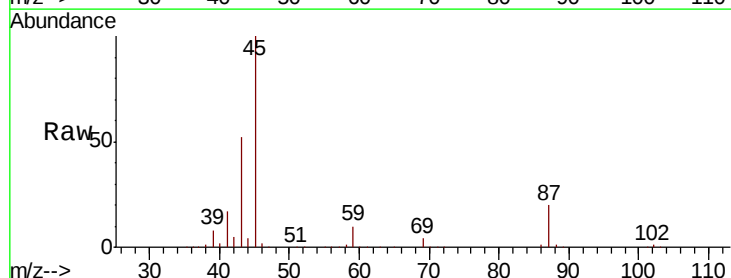
Ion Ratio Lower Upper

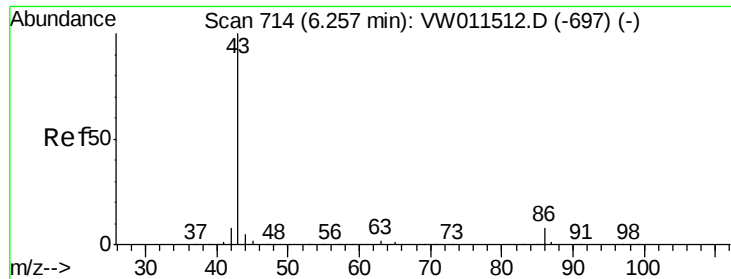
45 100

43 52.1 42.6 63.8

87 20.3 16.4 24.6

59 9.9 8.2 12.2

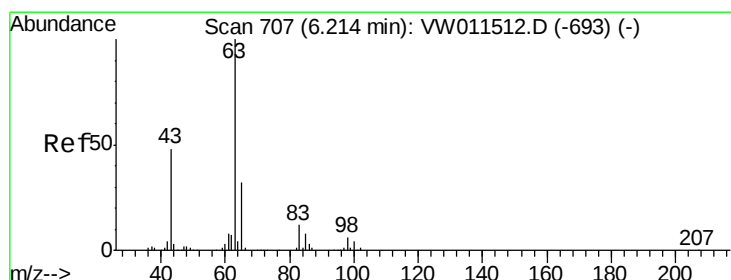
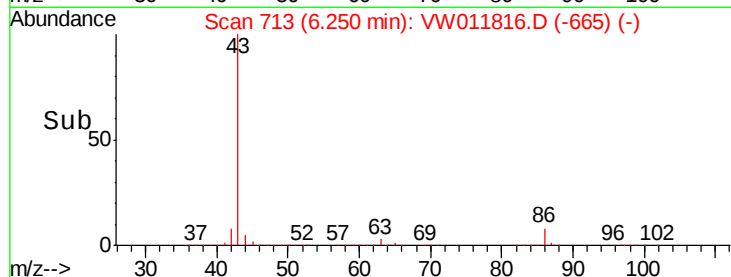
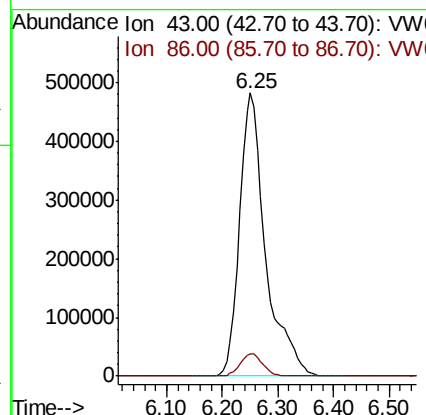
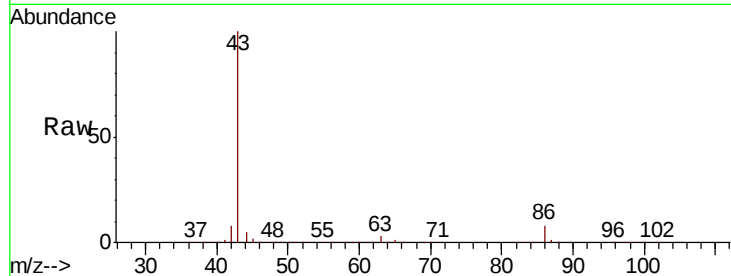




#23
 Vinyl Acetate
 Concen: 262.227 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

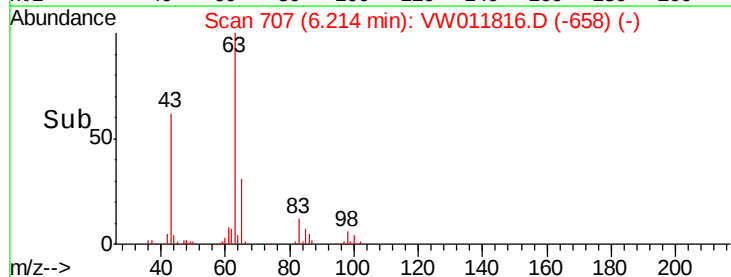
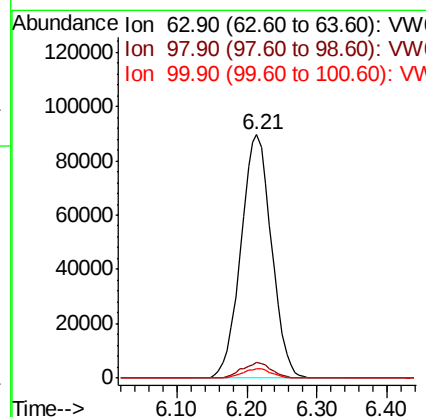
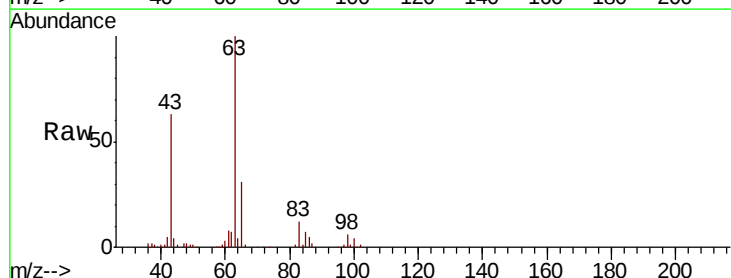
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

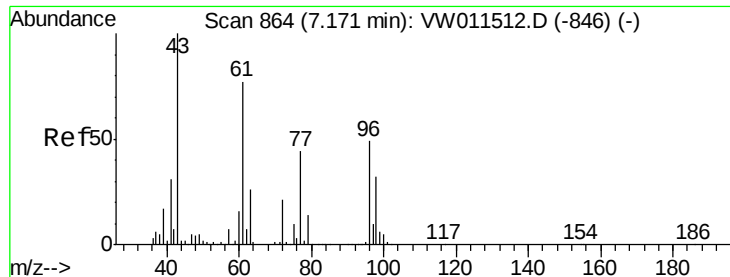
Tgt Ion: 43 Resp: 1560651
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 53.451 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 63 Resp: 271138
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.8
 100 3.8 2.1 6.3





#25

2-Butanone

Concen: 239.760 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampled :

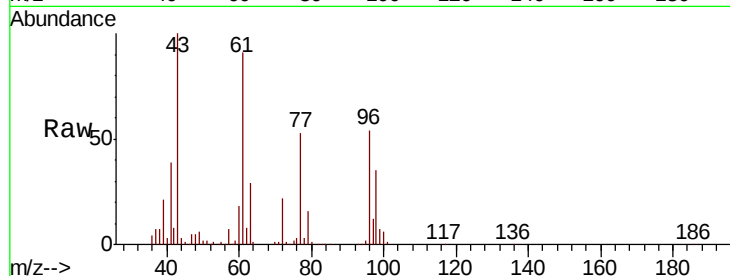
VSTDCCC050

Tgt Ion: 43 Resp: 259899

Ion Ratio Lower Upper

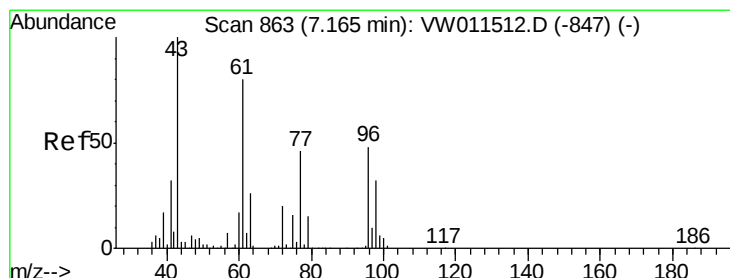
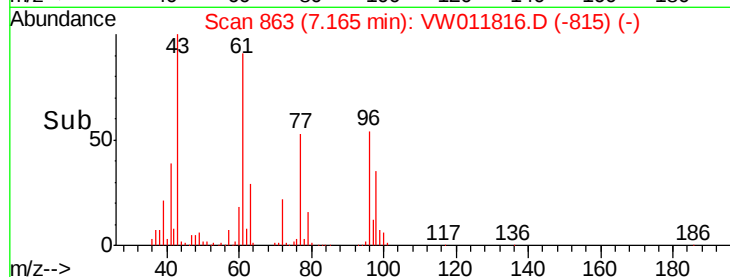
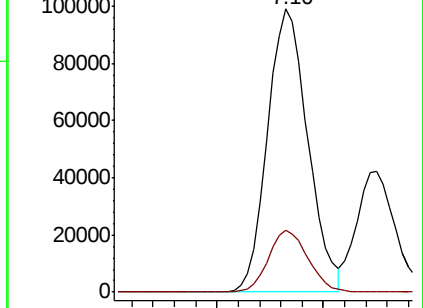
43 100

72 21.8 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 49.160 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011816.D

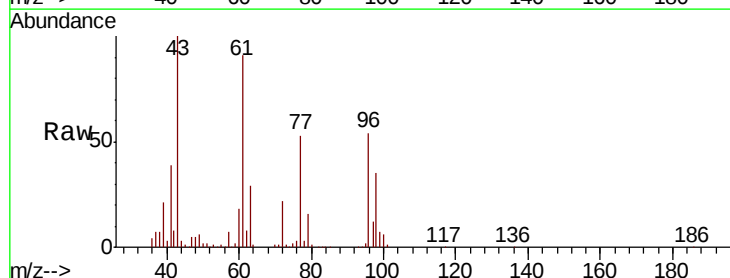
Acq: 09 Aug 2019 16:50

Tgt Ion: 77 Resp: 153362

Ion Ratio Lower Upper

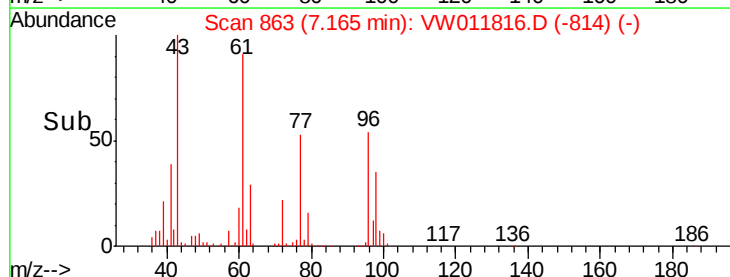
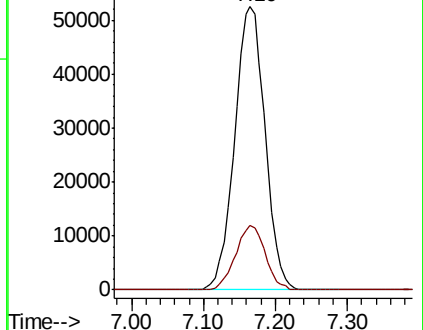
77 100

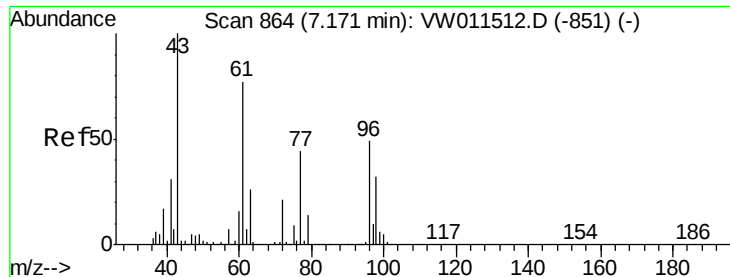
97 22.3 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



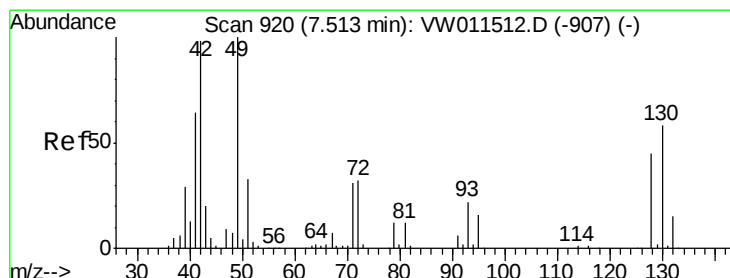
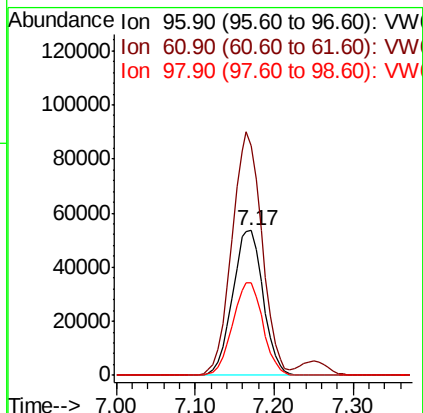
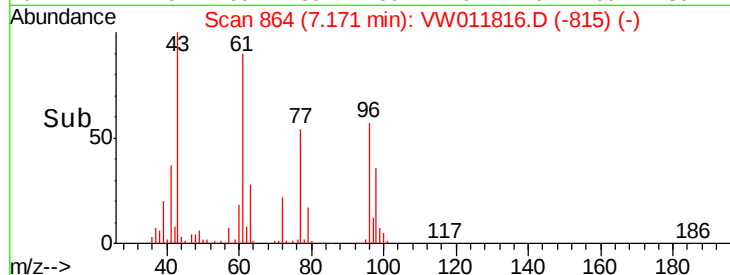
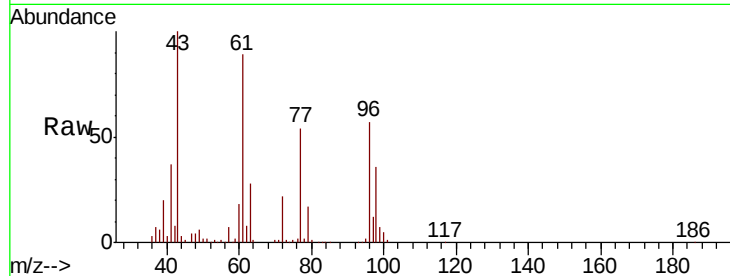


#27

cis-1,2-Dichloroethene
Concen: 51.608 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

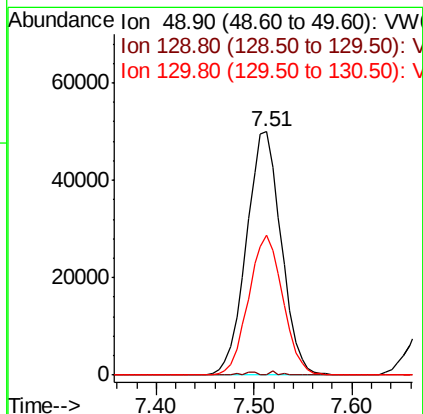
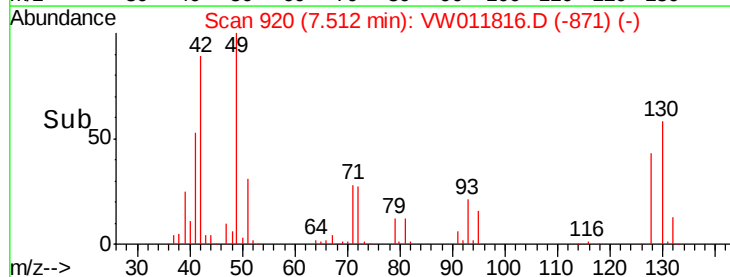
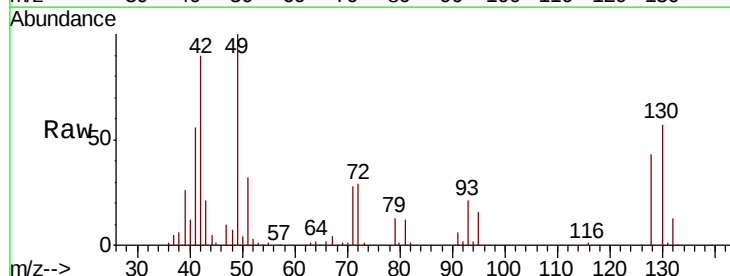
Tgt Ion: 96 Resp: 144639
Ion Ratio Lower Upper
96 100
61 164.9 0.0 328.4
98 63.5 0.0 128.8

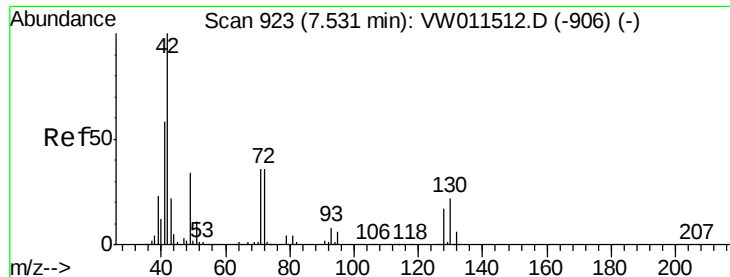


#28

Bromochloromethane
Concen: 55.104 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion: 49 Resp: 124070
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.0
130 56.6 46.3 69.5

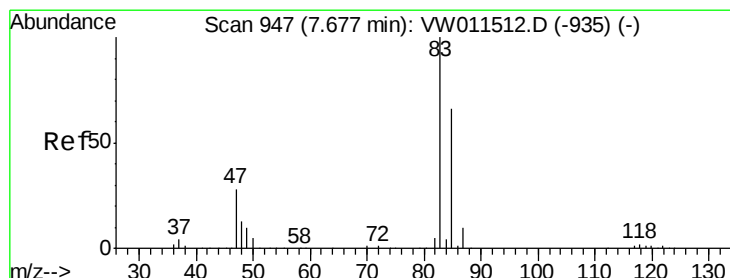
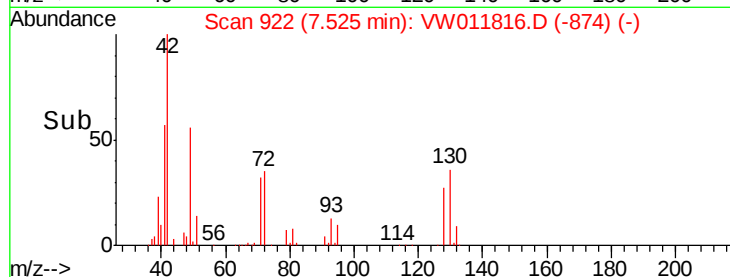
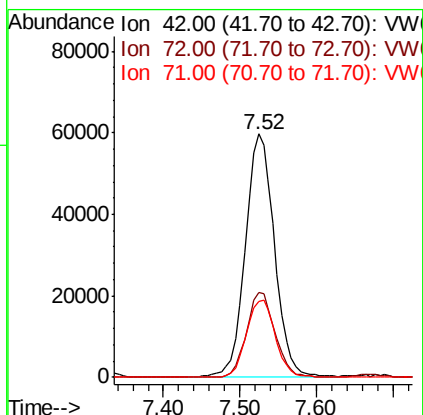
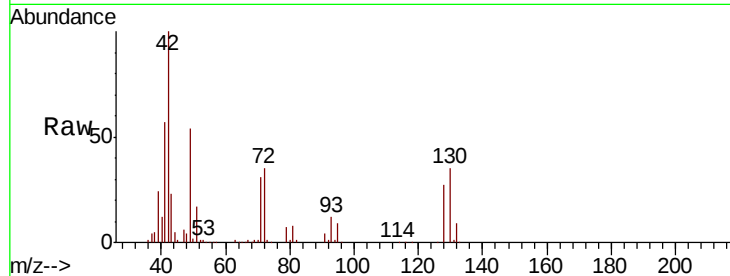




#29
Tetrahydrofuran
Concen: 254.792 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

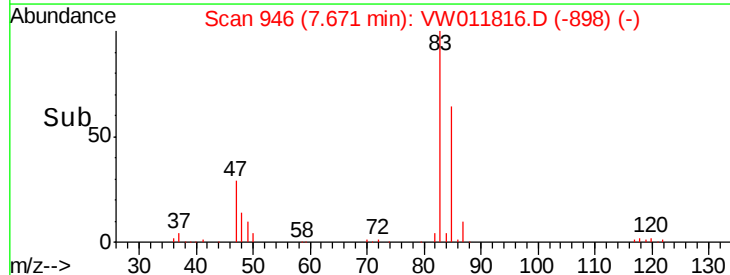
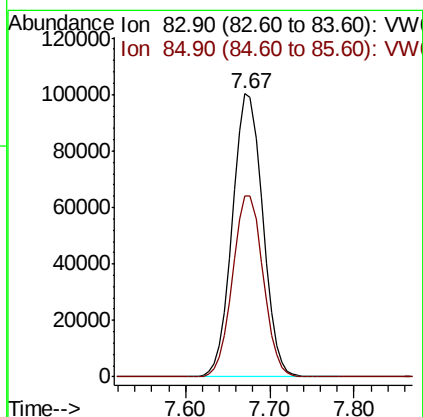
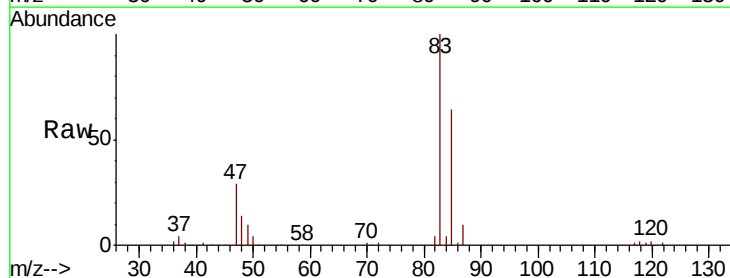
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

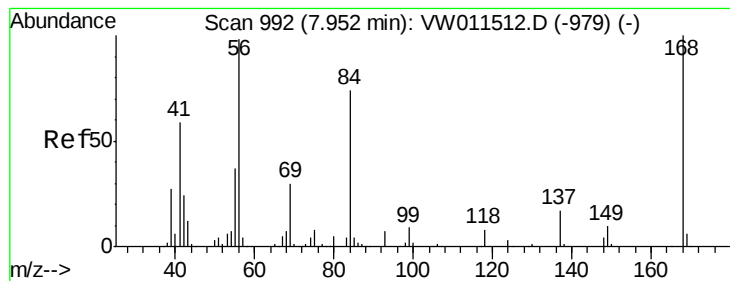
Tgt Ion: 42 Resp: 157875
Ion Ratio Lower Upper
42 100
72 34.2 27.1 40.7
71 31.8 26.2 39.4



#30
Chloroform
Concen: 52.204 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion: 83 Resp: 244308
Ion Ratio Lower Upper
83 100
85 63.9 52.5 78.7

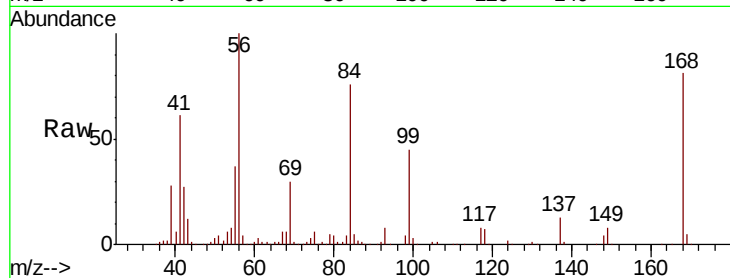




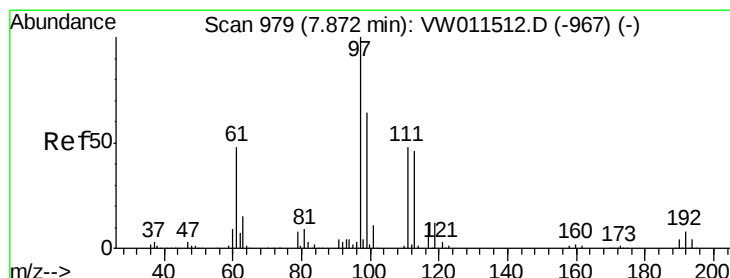
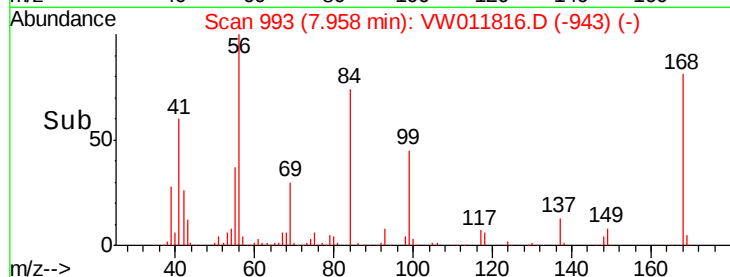
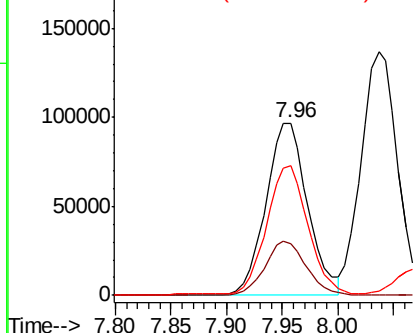
#31
Cyclohexane
Concen: 51.923 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 252828
Ion Ratio Lower Upper
56 100
69 30.2 24.3 36.5
84 74.2 60.4 90.6

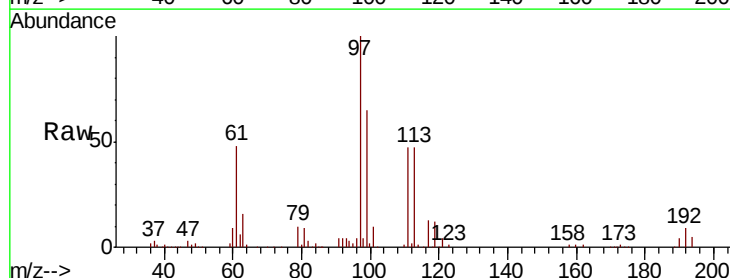


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

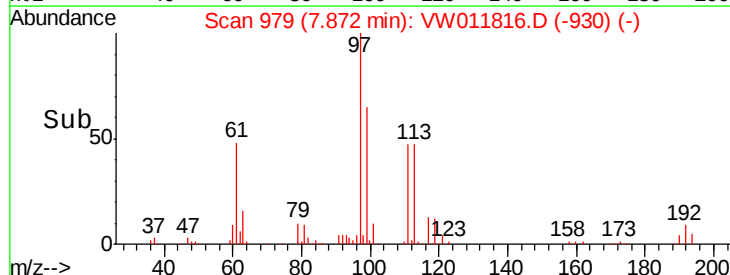
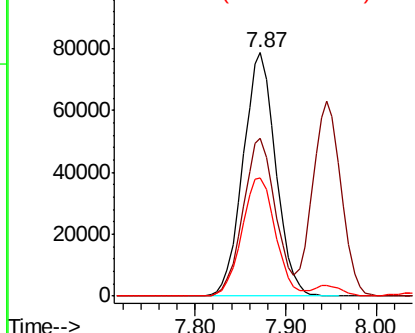


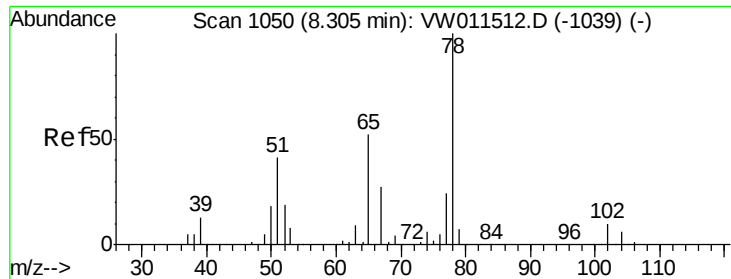
#32
1,1,1-Trichloroethane
Concen: 54.950 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion: 97 Resp: 195844
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.6
61 50.0 39.8 59.6



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

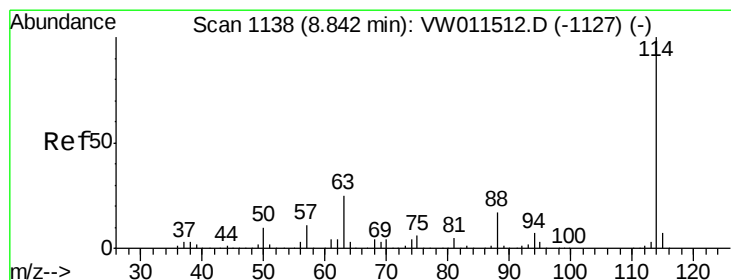
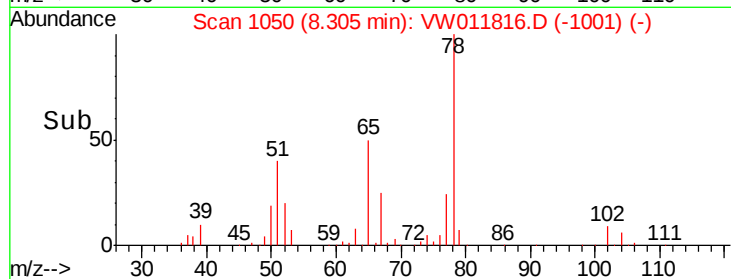
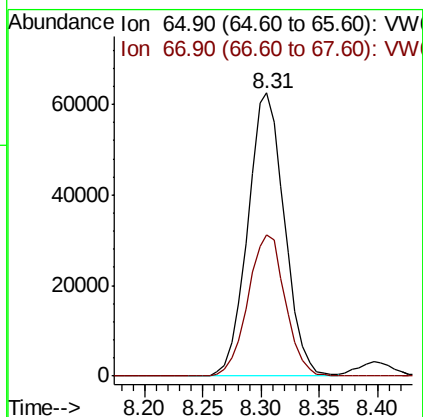
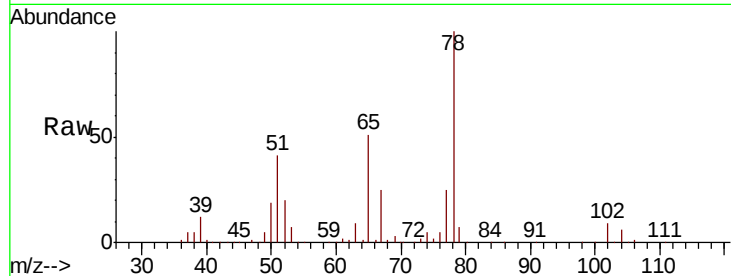




#33
 1,2-Dichloroethane-d4
 Concen: 52.687 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

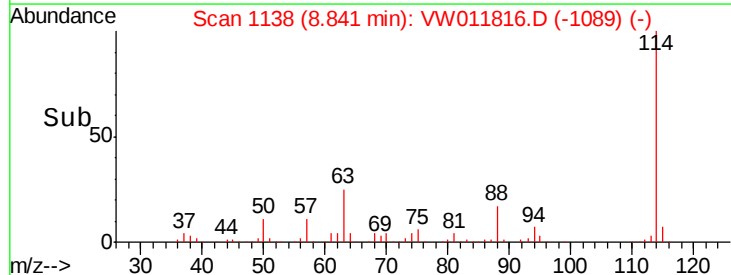
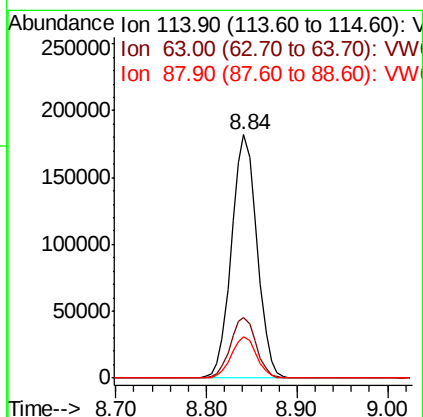
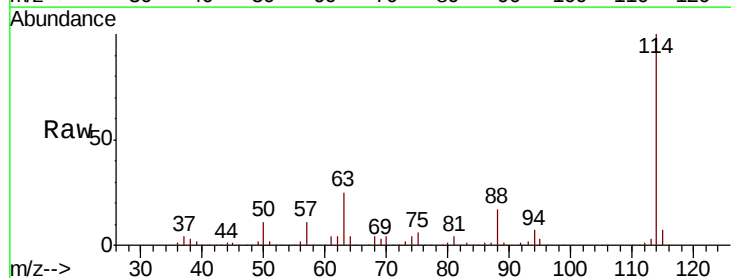
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

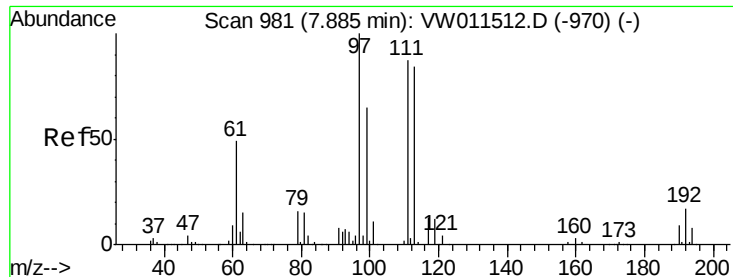
Tgt Ion: 65 Resp: 137210
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 114 Resp: 358363
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 17.2 0.0 33.8

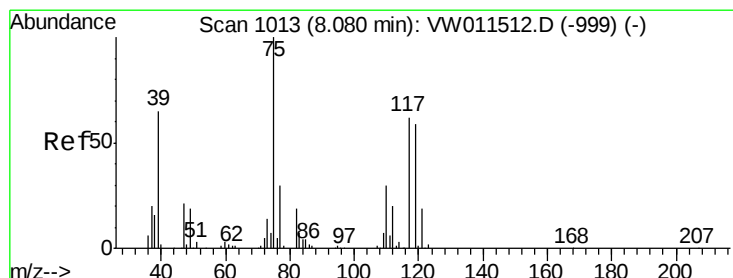
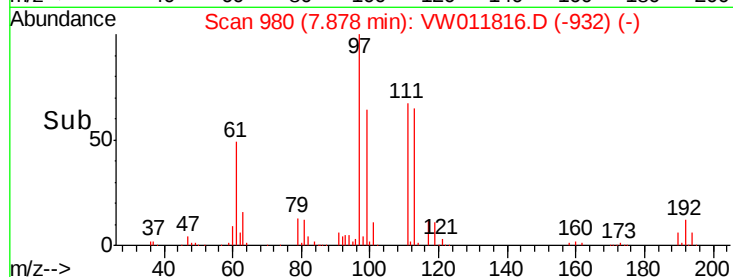
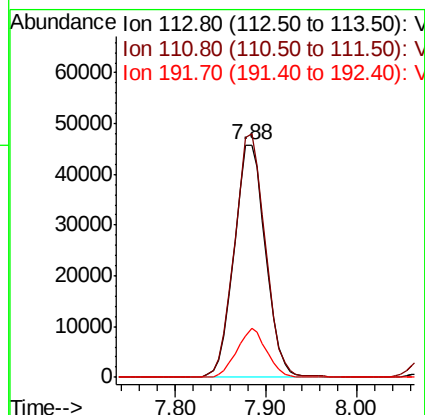
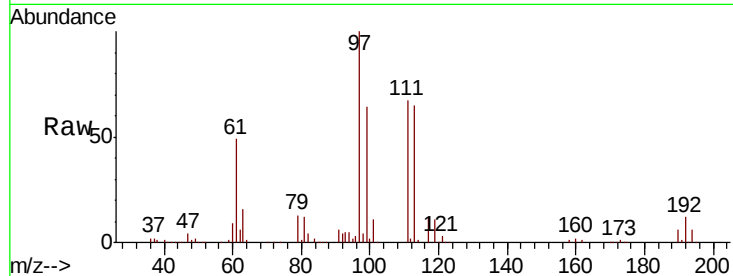




#35
 Dibromofluoromethane
 Concen: 54.605 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

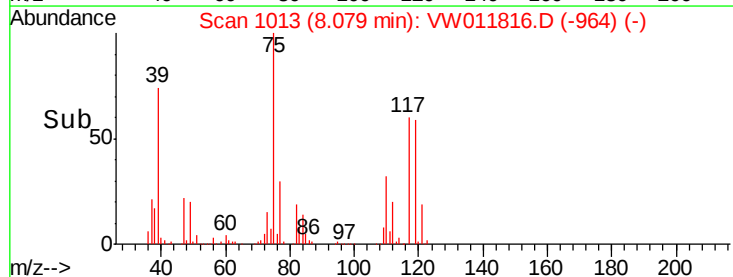
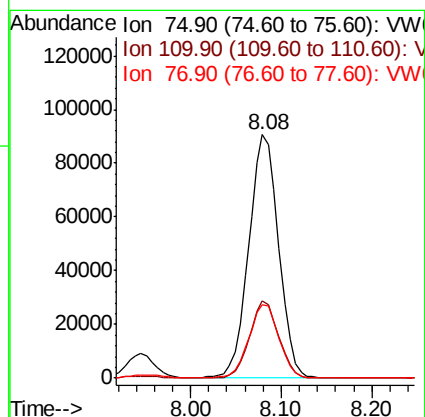
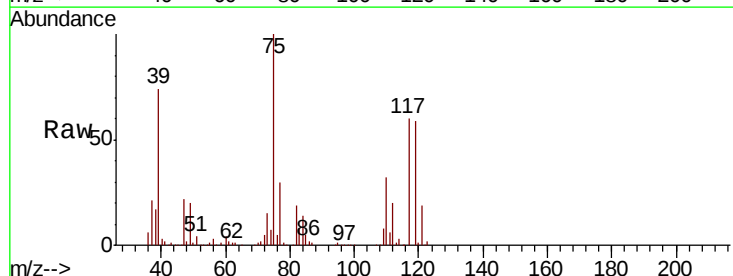
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

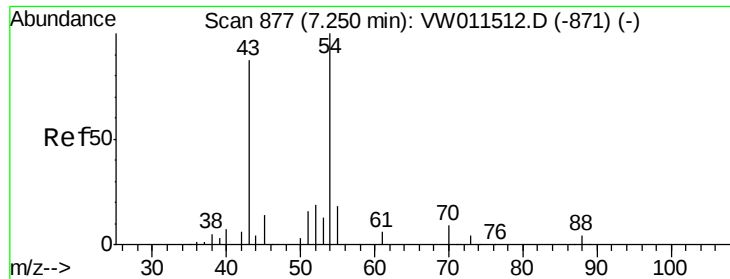
Tgt Ion:113 Resp: 109782
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 20.0 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 55.420 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 75 Resp: 206513
 Ion Ratio Lower Upper
 75 100
 110 30.8 15.6 46.8
 77 30.8 24.3 36.5

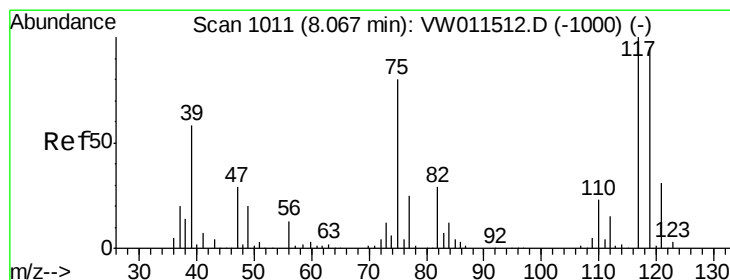
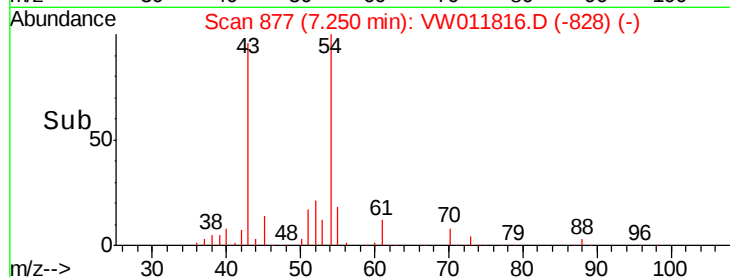
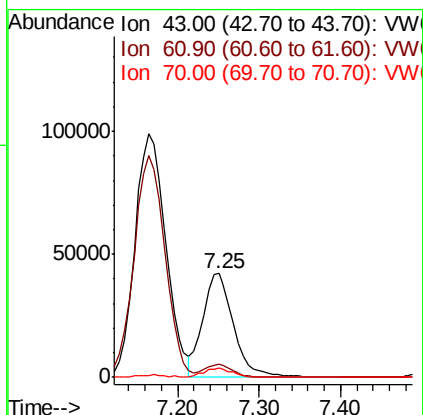
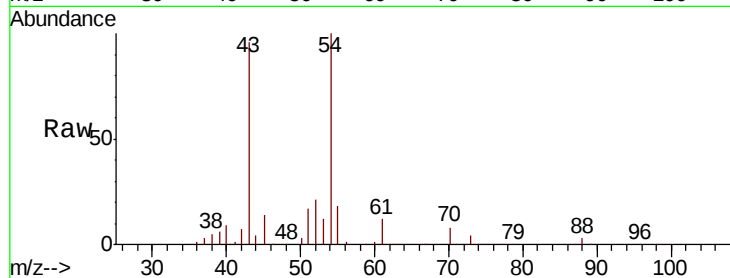




#37
Ethyl Acetate
Concen: 51.474 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

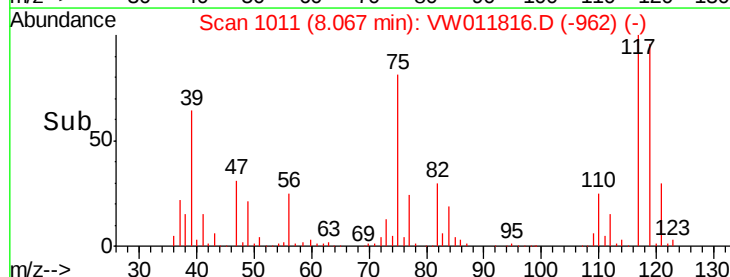
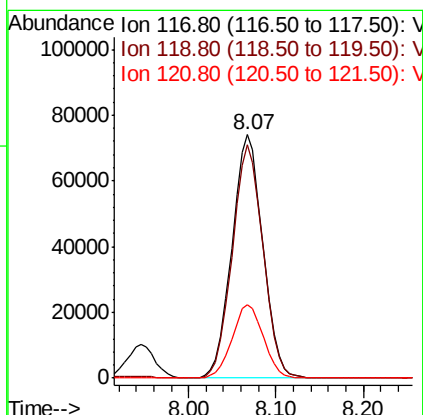
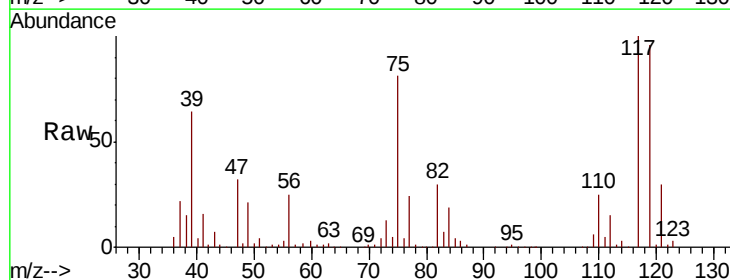
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

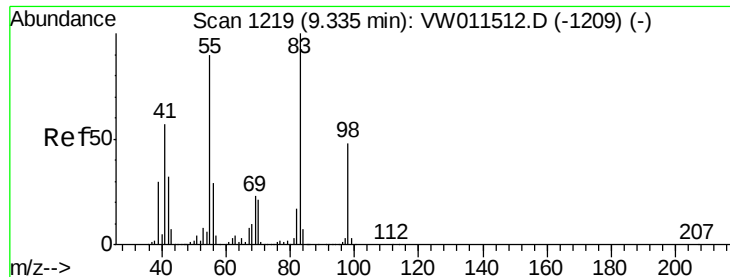
Tgt Ion: 43 Resp: 110353
Ion Ratio Lower Upper
43 100
61 12.0 8.8 13.2
70 8.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 56.927 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion: 117 Resp: 181597
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.6
121 29.9 24.7 37.1

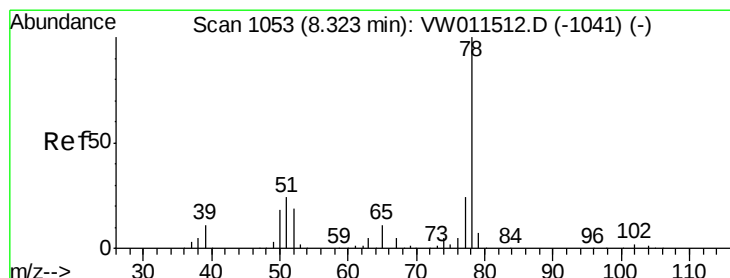
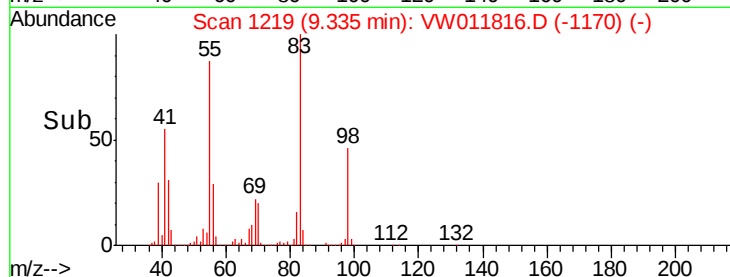
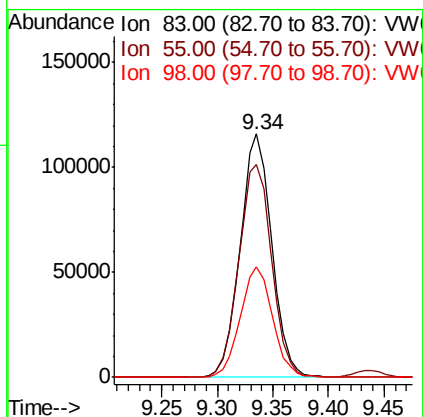
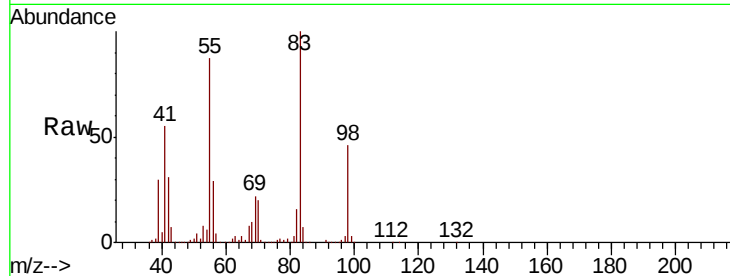




#39
Methylcyclohexane
Concen: 55.737 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

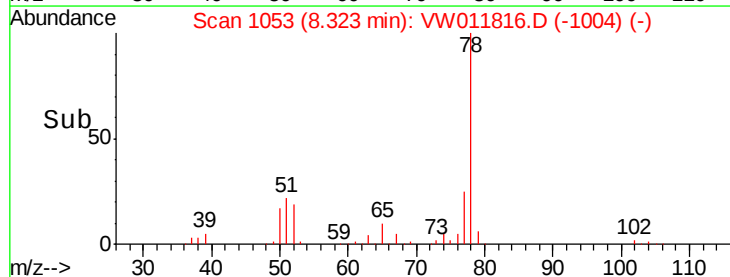
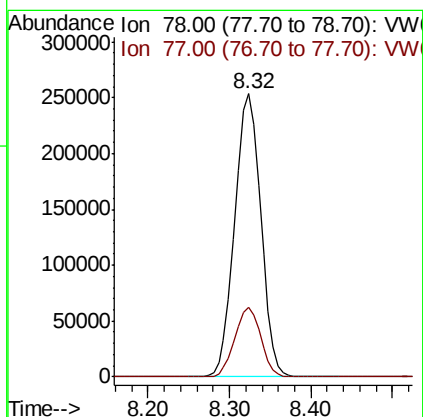
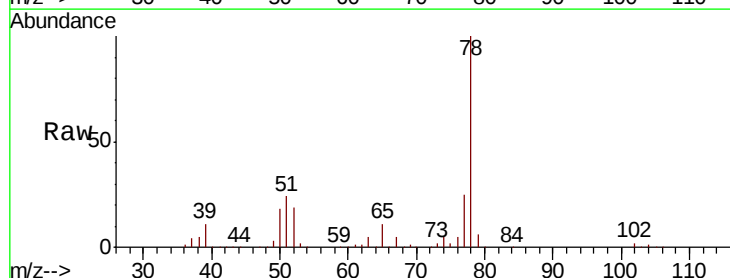
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

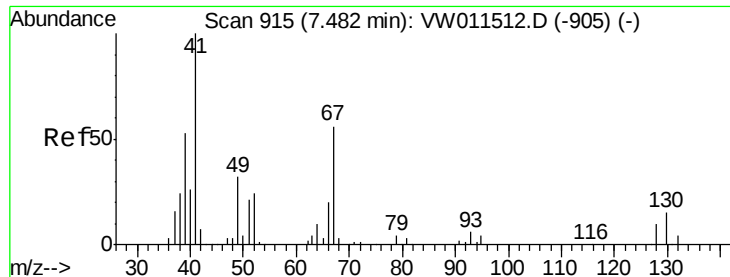
Tgt Ion: 83 Resp: 228695
Ion Ratio Lower Upper
83 100
55 87.4 72.1 108.1
98 45.5 38.6 57.8



#40
Benzene
Concen: 53.690 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion: 78 Resp: 560394
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.0

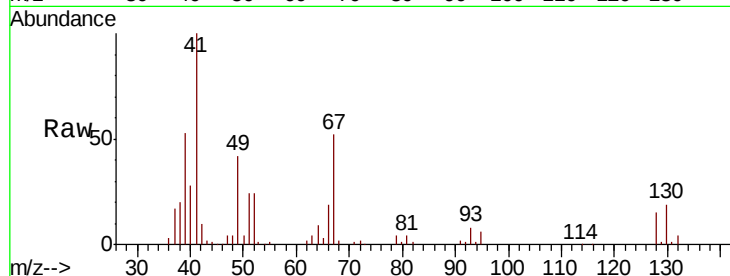




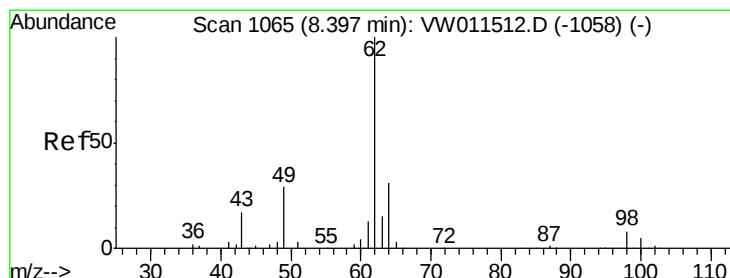
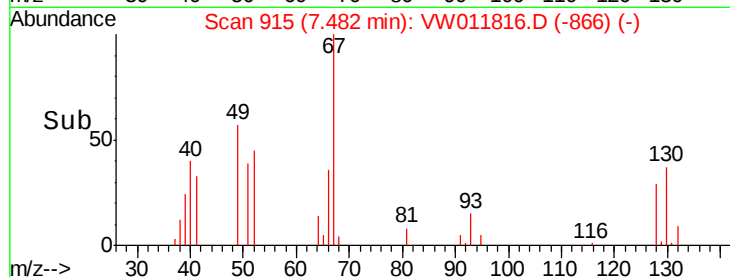
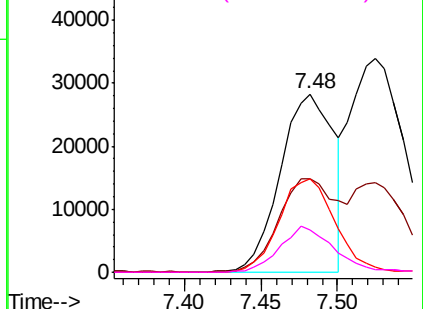
#41
Methacrylonitrile
Concen: 53.867 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	69033
Ion	Ratio	Lower	Upper
41	100		
39	59.6	43.0	64.4
67	54.4	47.5	71.3
52	26.3	21.0	31.6

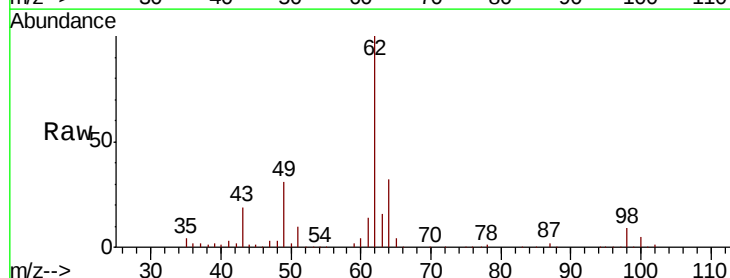


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

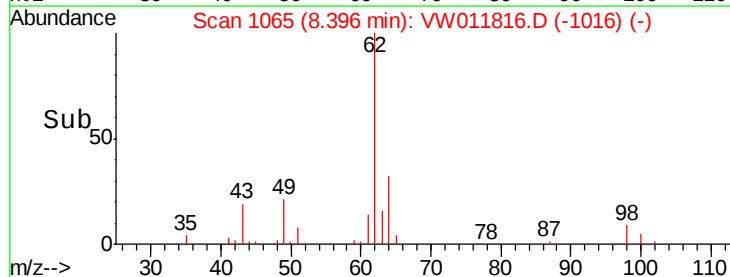
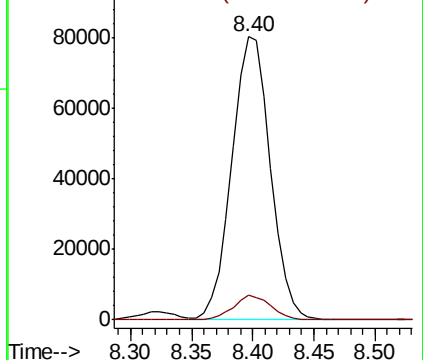


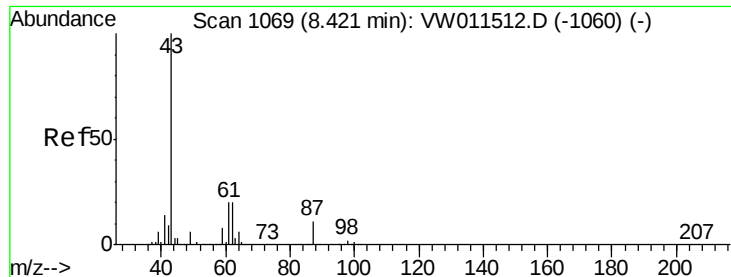
#42
1,2-Dichloroethane
Concen: 53.728 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion:	62	Resp:	175577
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 53.051 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

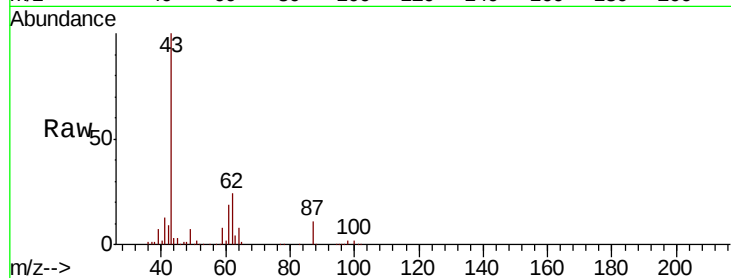
Tgt Ion: 43 Resp: 209164

Ion Ratio Lower Upper

43 100

61 26.3 21.5 32.3

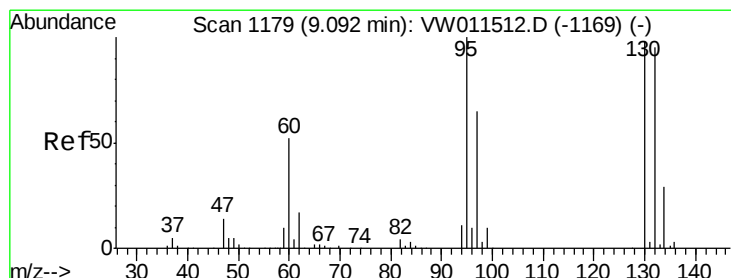
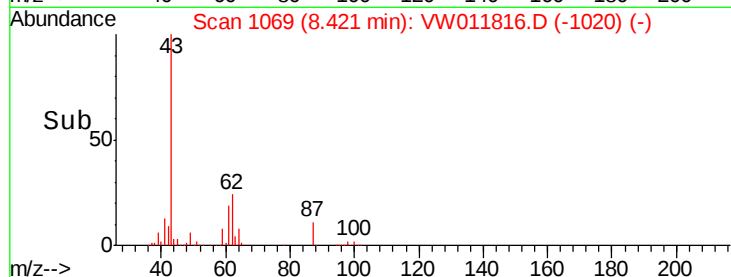
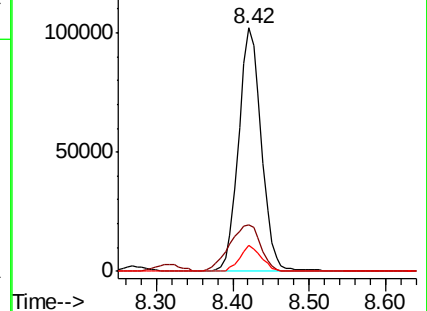
87 10.2 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 54.230 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011816.D

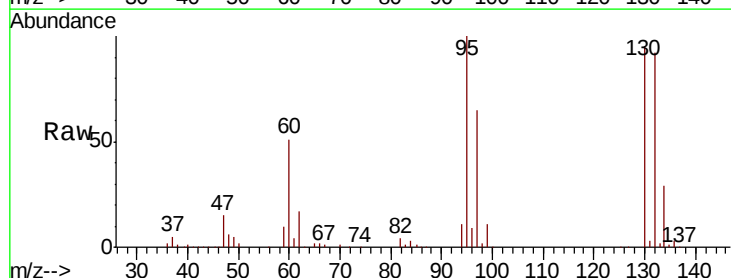
Acq: 09 Aug 2019 16:50

Tgt Ion: 130 Resp: 136046

Ion Ratio Lower Upper

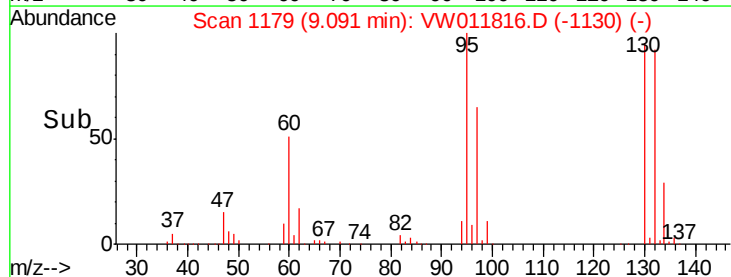
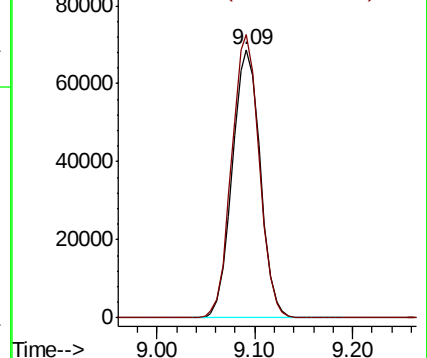
130 100

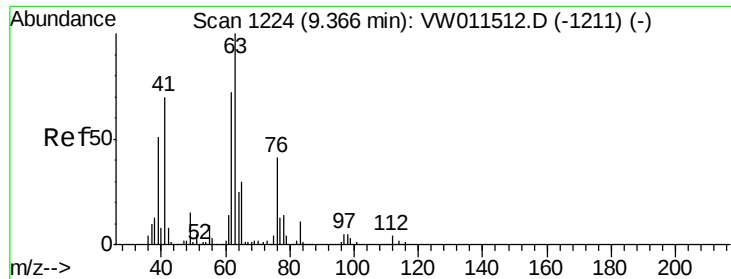
95 105.5 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 53.679 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

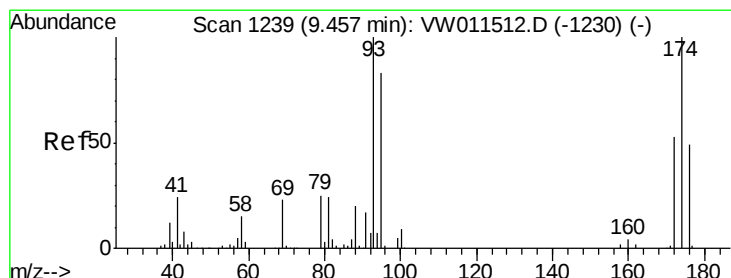
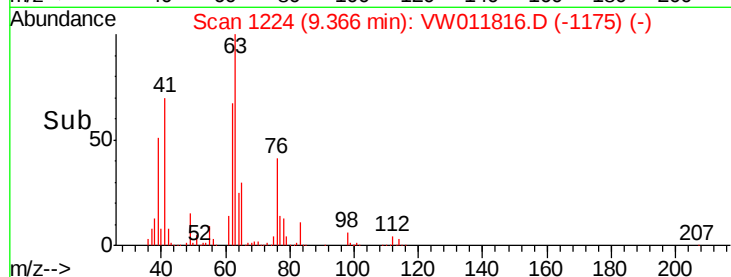
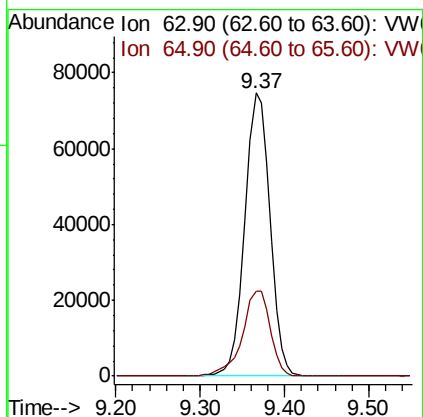
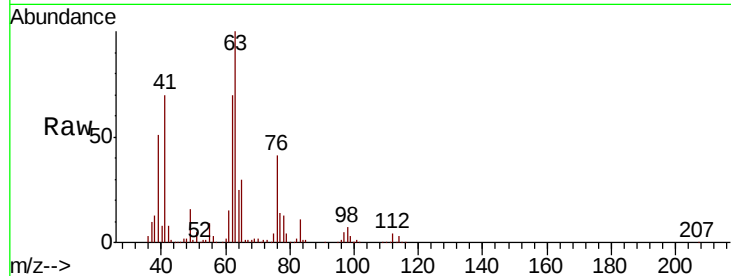
VSTDCCC050

Tgt Ion: 63 Resp: 149914

Ion Ratio Lower Upper

63 100

65 30.1 24.2 36.4



#46

Dibromomethane

Concen: 53.306 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

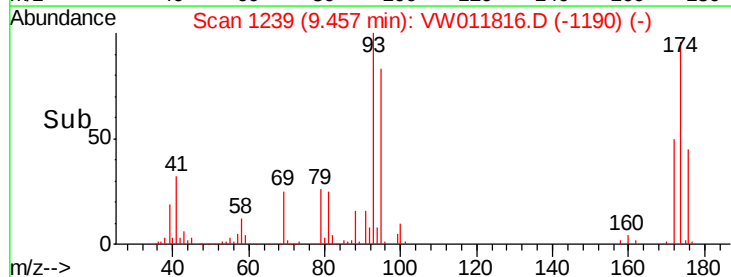
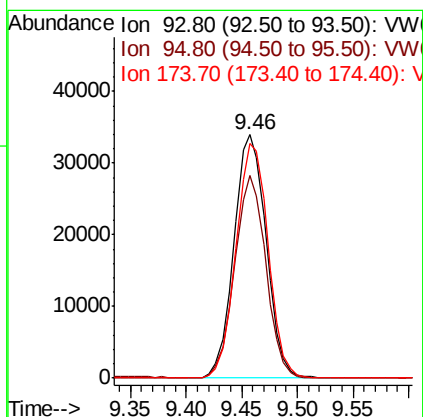
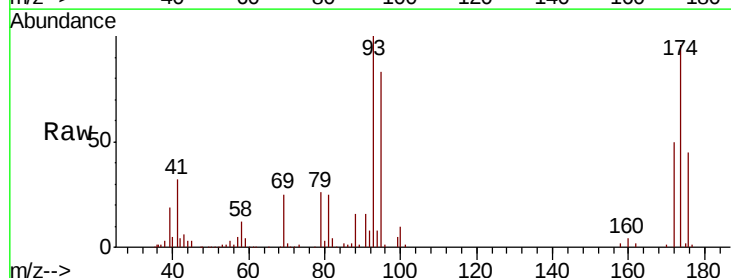
Tgt Ion: 93 Resp: 67947

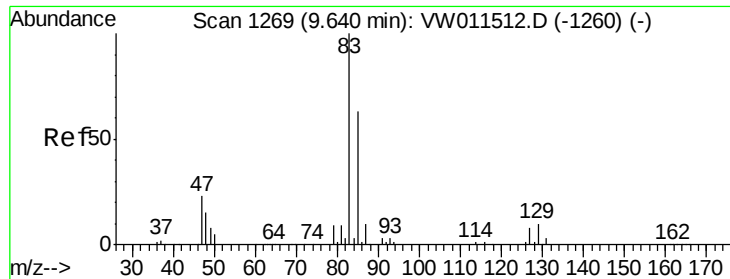
Ion Ratio Lower Upper

93 100

95 80.8 66.2 99.2

174 96.3 78.2 117.4





#47

Bromodichloromethane

Concen: 54.331 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

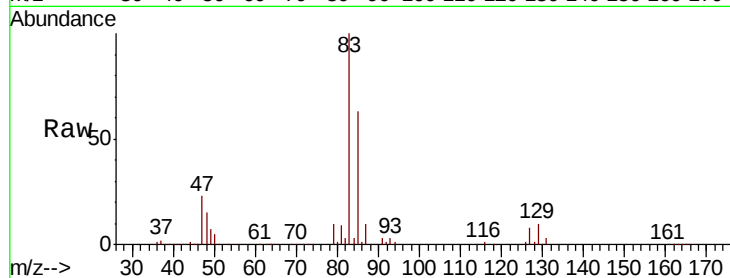
Tgt Ion: 83 Resp: 181662

Ion Ratio Lower Upper

83 100

85 63.4 50.5 75.7

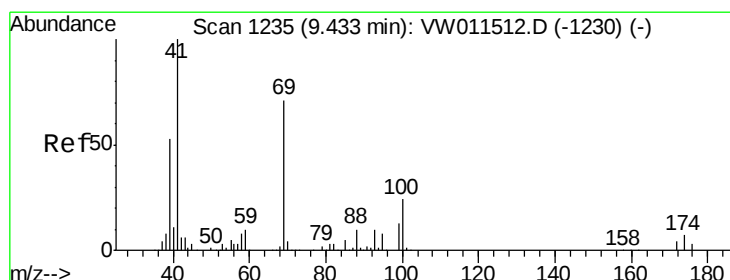
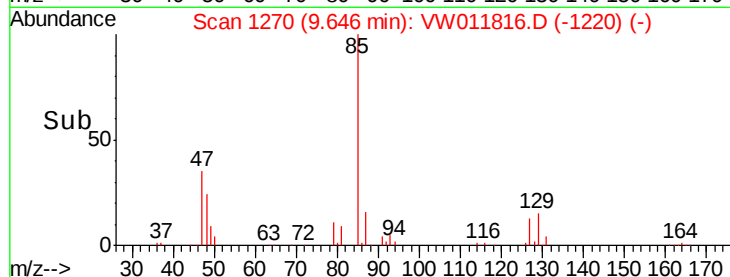
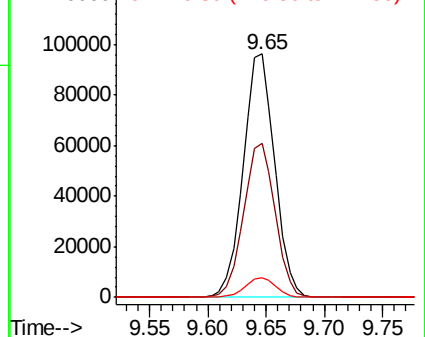
127 7.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 53.101 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

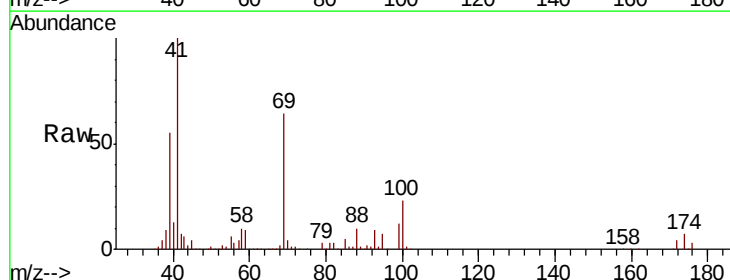
Tgt Ion: 41 Resp: 100570

Ion Ratio Lower Upper

41 100

69 70.4 57.1 85.7

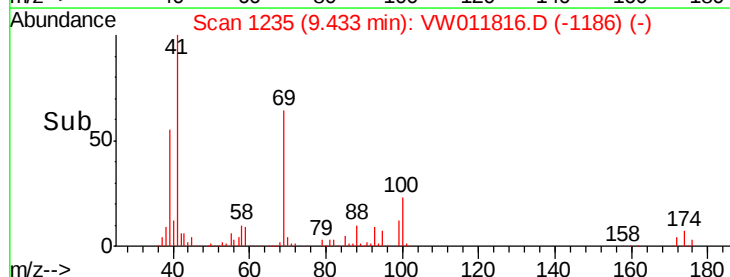
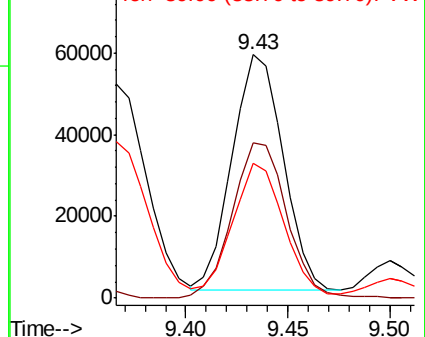
39 54.2 45.4 68.2

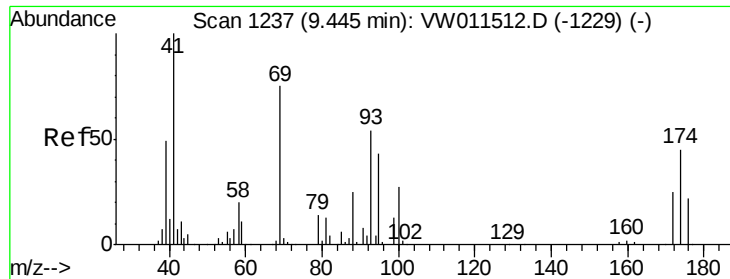


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

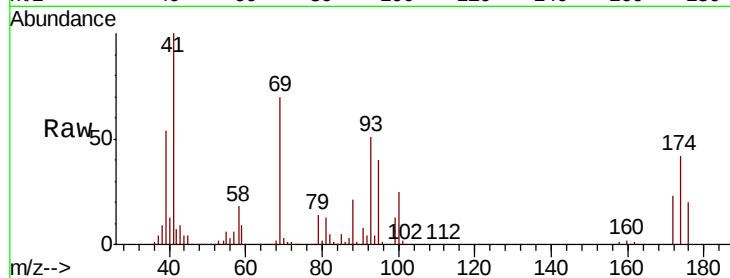




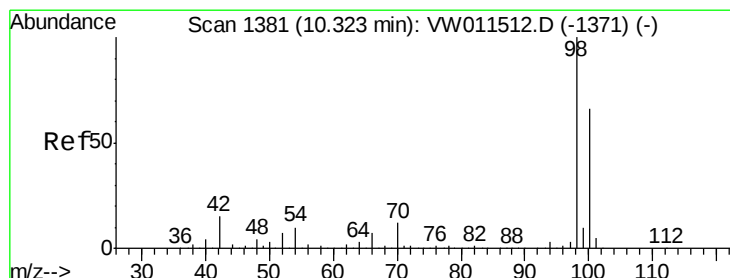
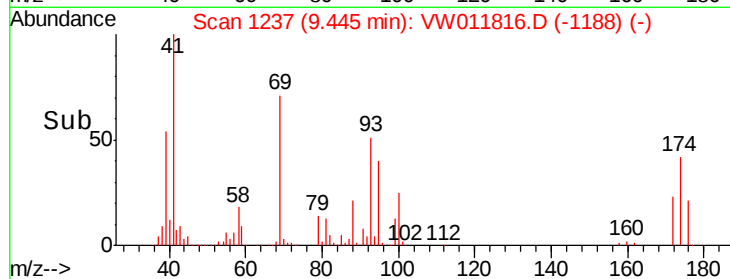
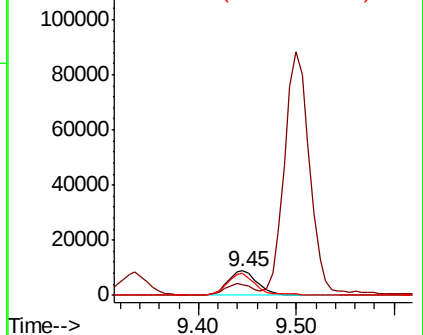
#49
 1,4-Dioxane
 Concen: 1026.906 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 18953
 Ion Ratio Lower Upper
 88 100
 43 43.5 34.0 51.0
 58 84.4 69.7 104.5

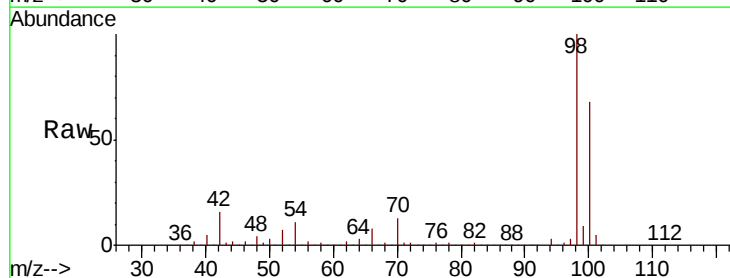


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

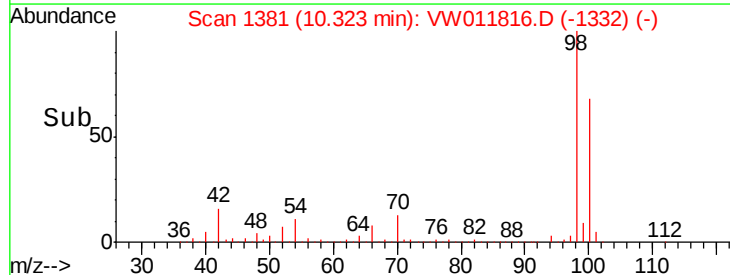
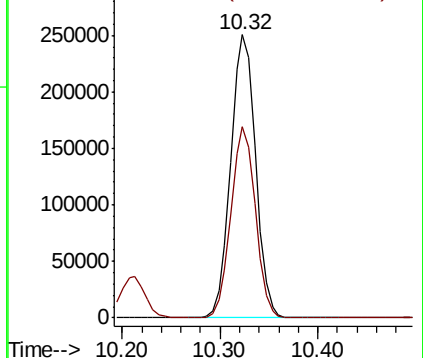


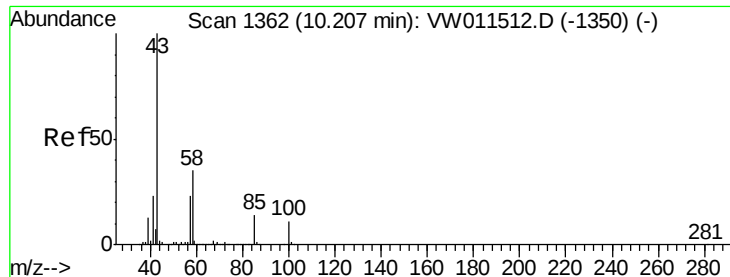
#50
 Toluene-d8
 Concen: 53.777 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 98 Resp: 442667
 Ion Ratio Lower Upper
 98 100
 100 66.4 52.7 79.1



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

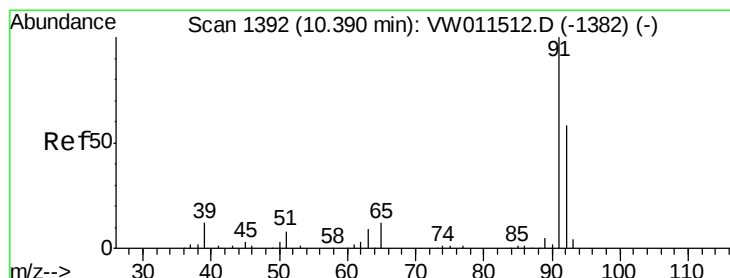
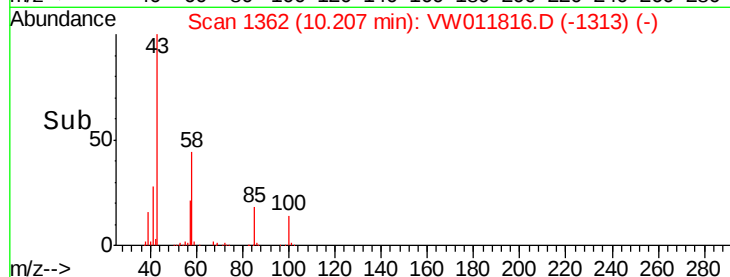
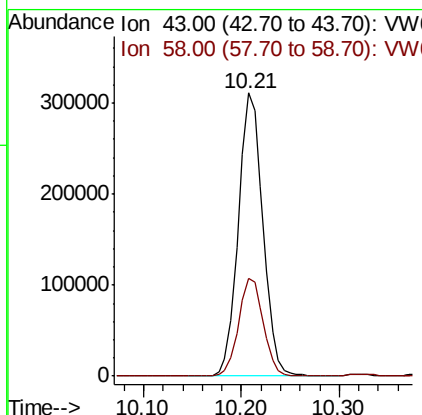
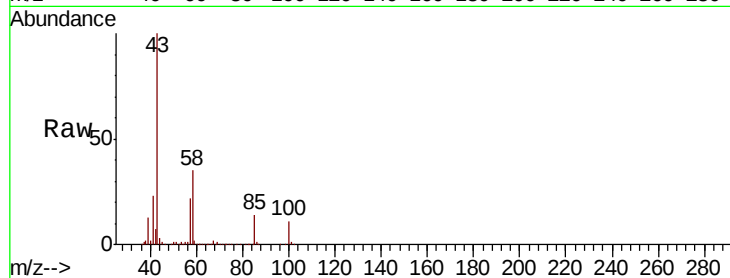




#51
 4-Methyl-2-Pentanone
 Concen: 263.451 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

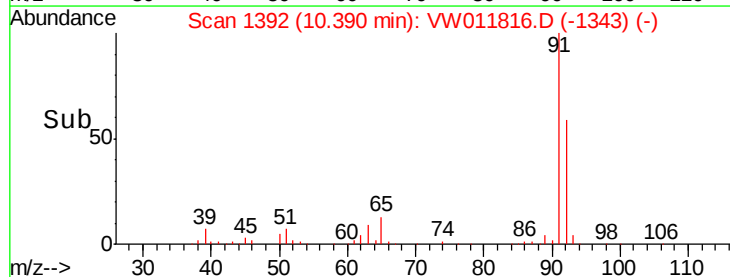
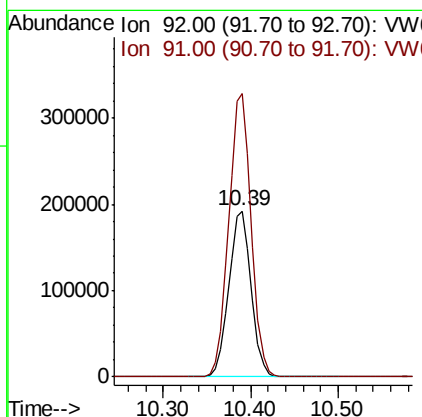
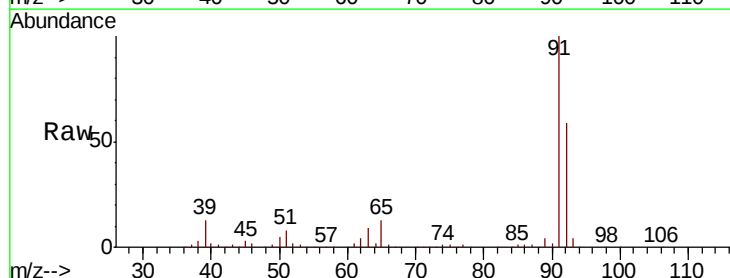
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

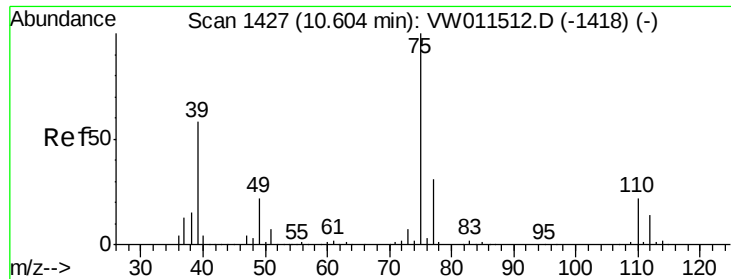
Tgt Ion: 43 Resp: 540285
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.2 42.2



#52
 Toluene
 Concen: 53.819 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 92 Resp: 339237
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.7 205.1

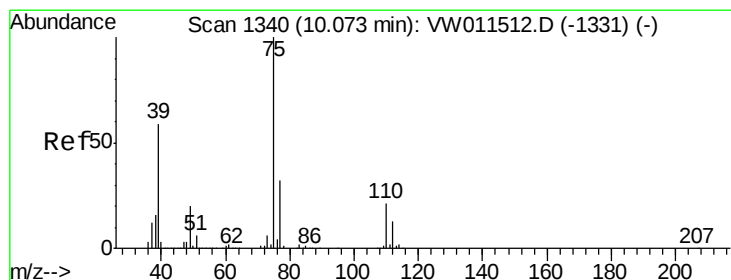
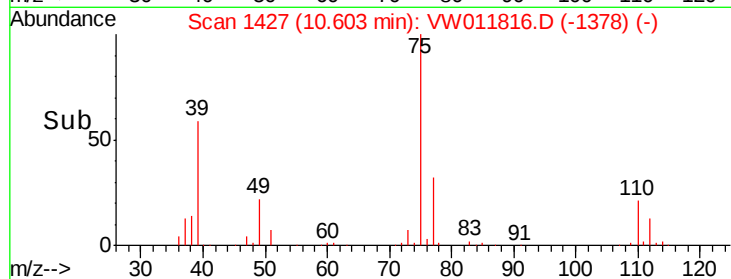
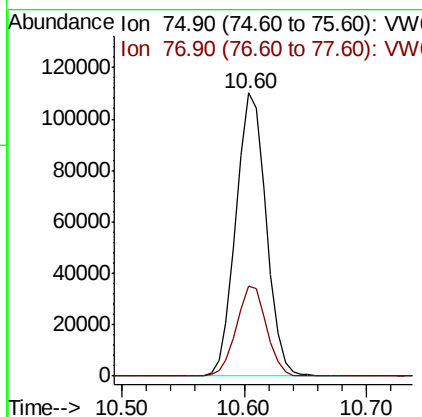
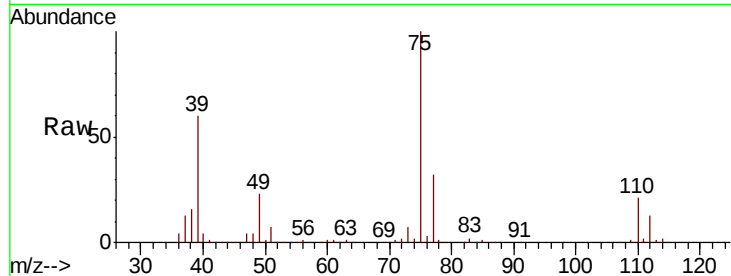




#53
 t-1,3-Dichloropropene
 Concen: 53.981 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

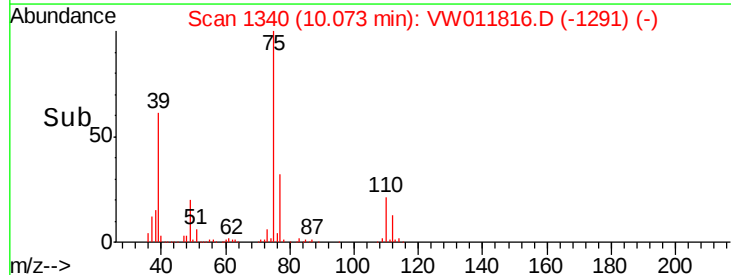
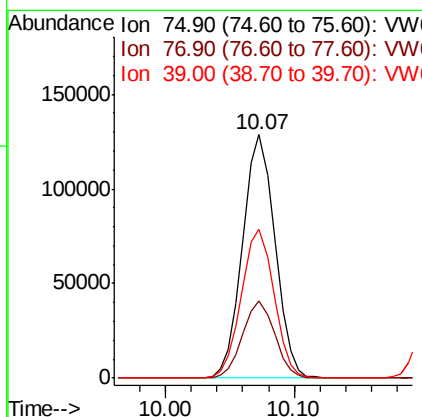
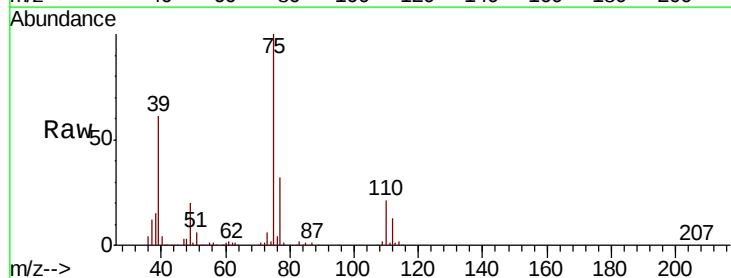
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

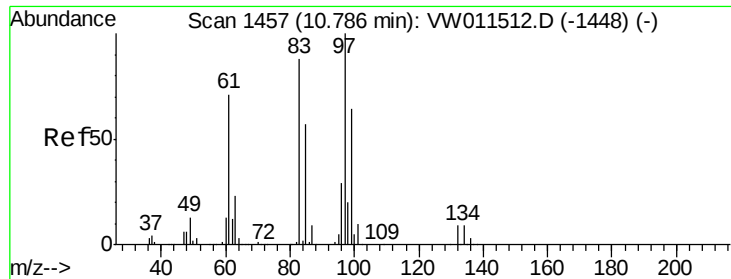
Tgt Ion: 75 Resp: 188544
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 54.017 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 75 Resp: 224327
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4
 39 61.2 47.0 70.4

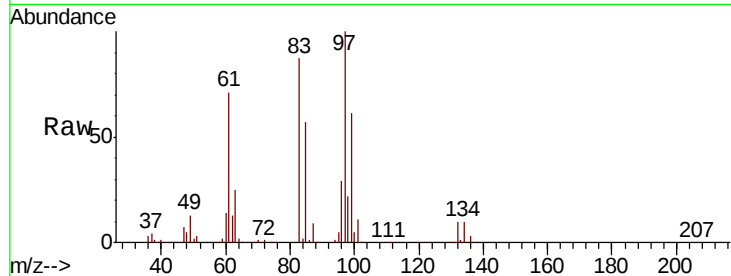




#55
 1,1,2-Trichloroethane
 Concen: 52.671 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	95259
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.5	105.7
85	57.0	45.8	68.6
99	61.0	51.0	76.4



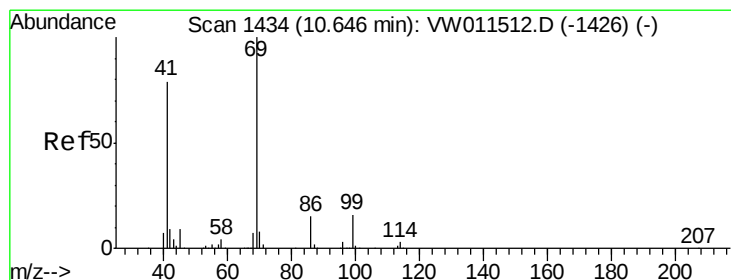
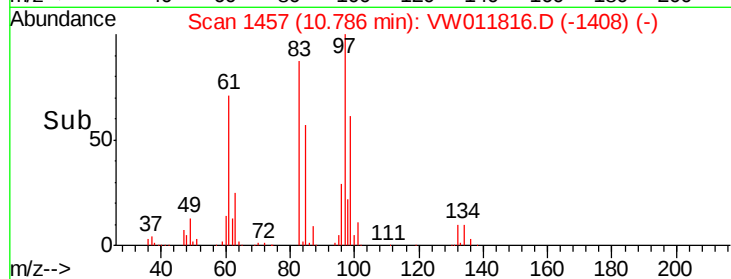
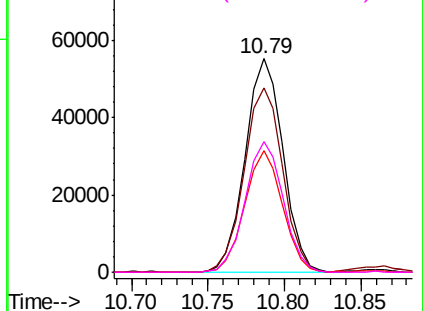
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

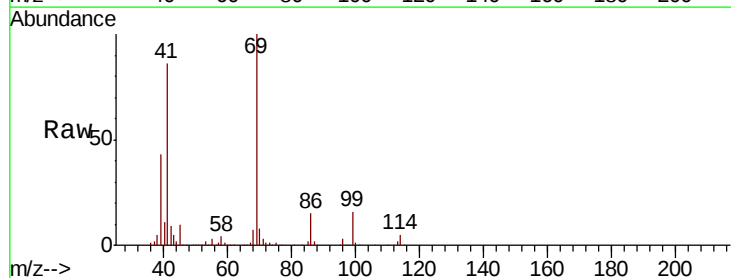
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 53.486 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion:	69	Resp:	141550
Ion	Ratio	Lower	Upper
69	100		
41	84.9	66.6	99.8
39	40.0	30.3	45.5

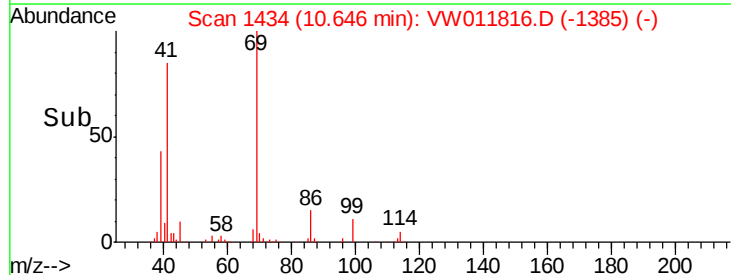
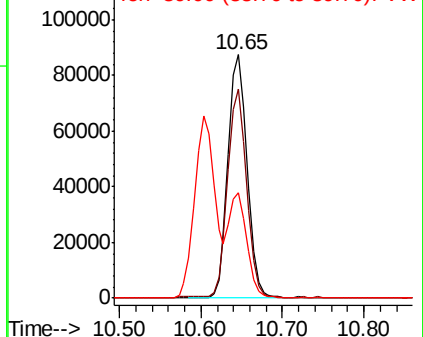


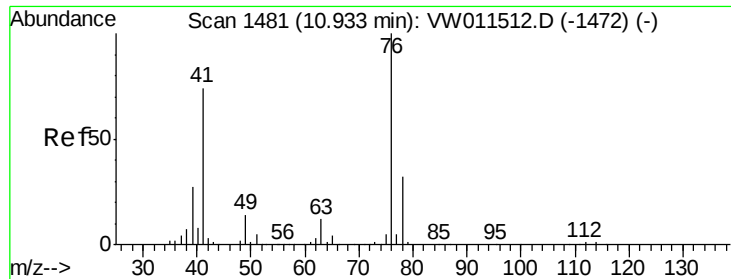
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

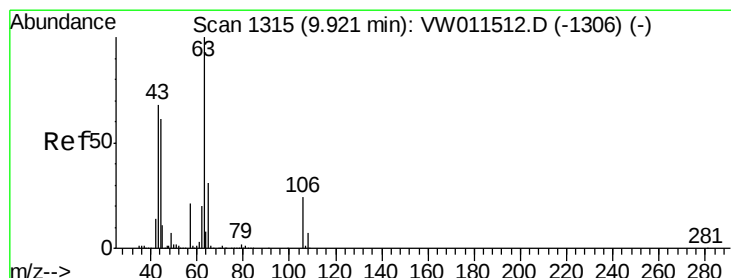
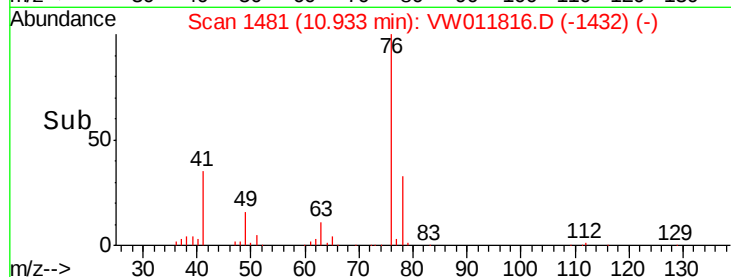
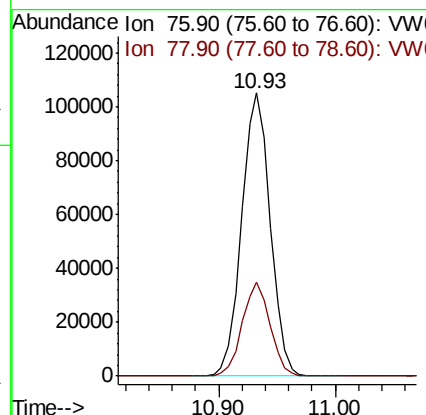
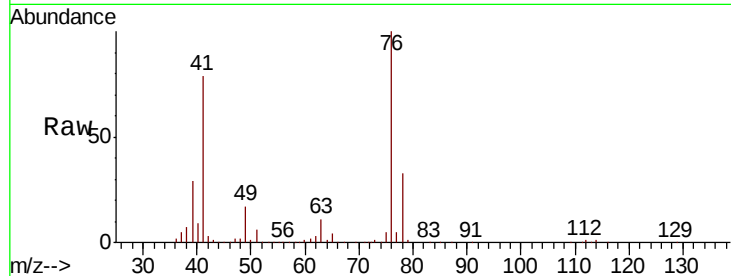




#57
 1,3-Dichloropropane
 Concen: 52.556 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

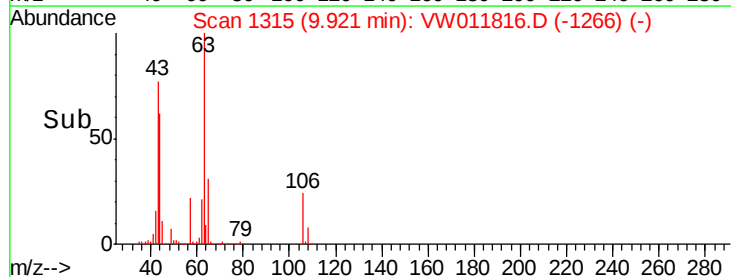
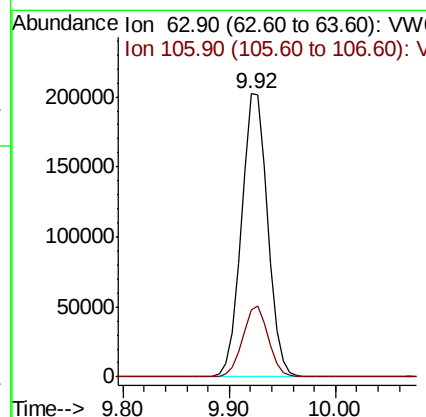
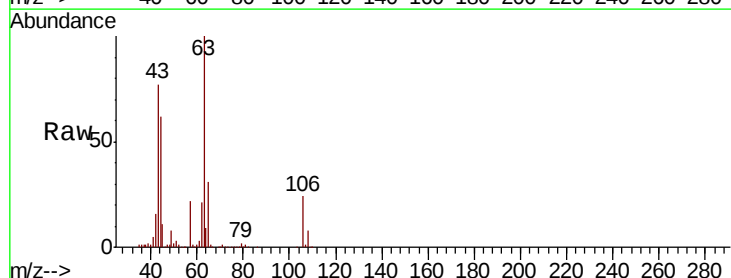
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

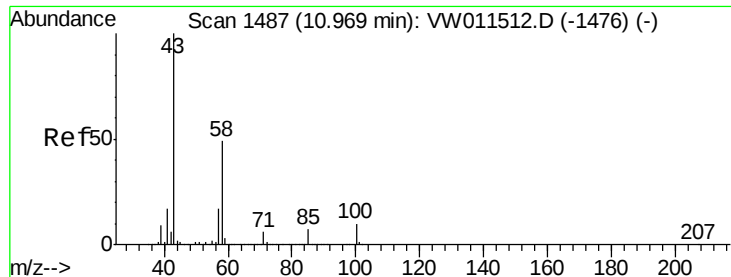
Tgt Ion: 76 Resp: 179828
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 291.950 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 63 Resp: 350813
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5

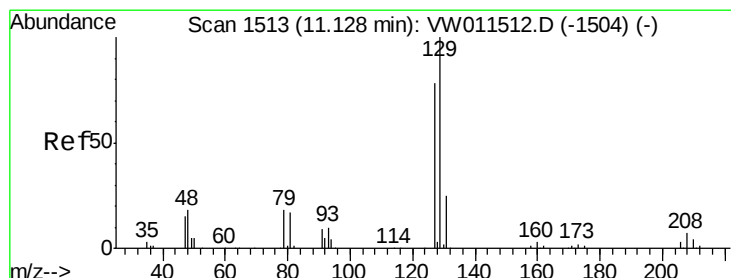
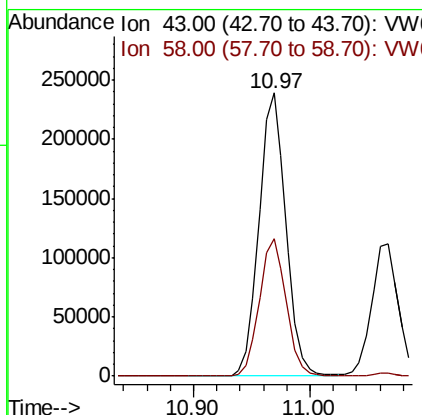
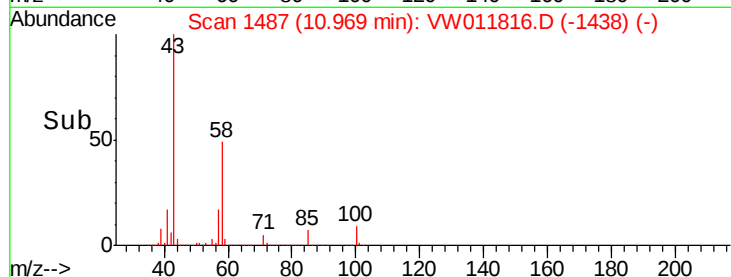
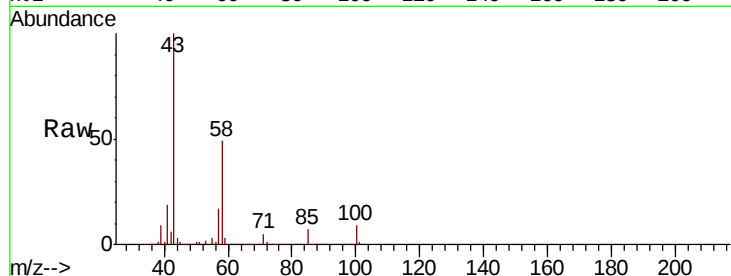




#59
2-Hexanone
Concen: 266.055 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

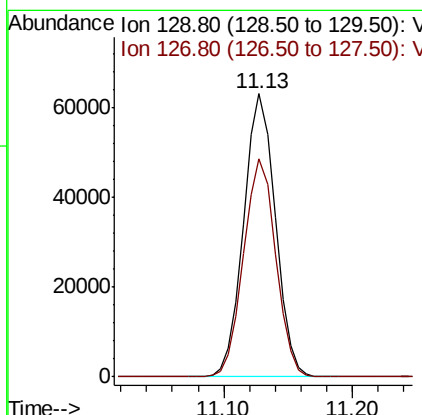
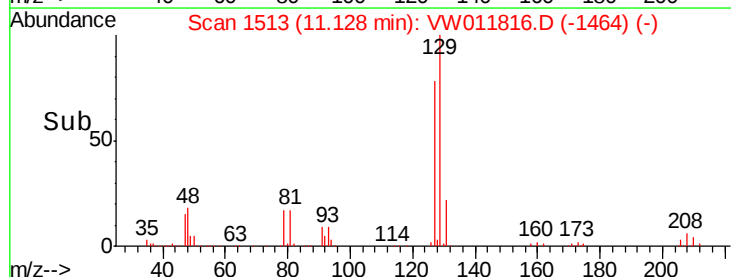
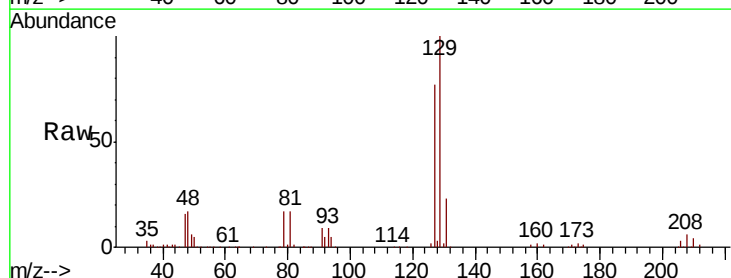
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

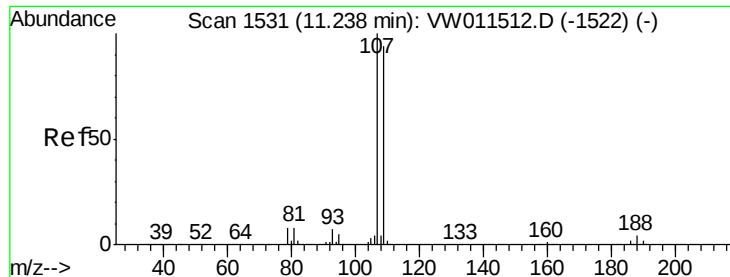
Tgt Ion: 43 Resp: 385247
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9



#60
Dibromochloromethane
Concen: 53.522 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion: 129 Resp: 107448
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7

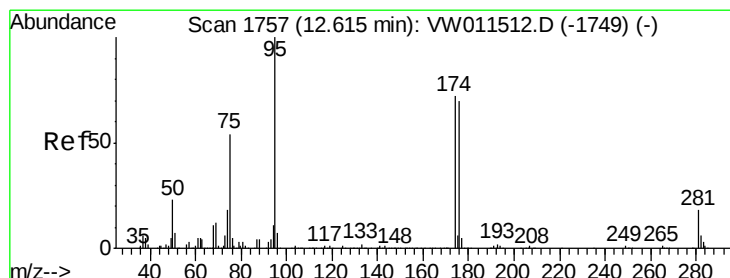
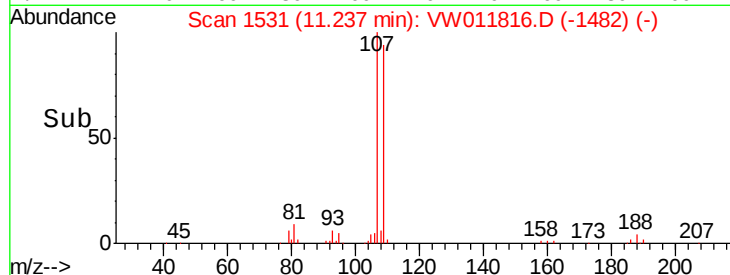
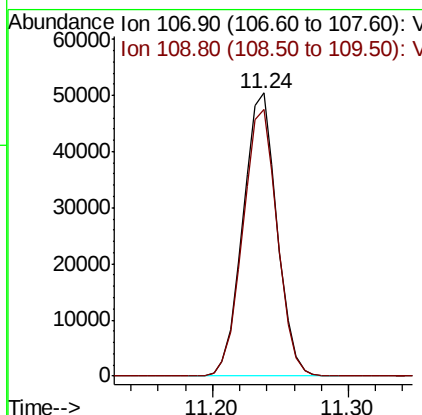
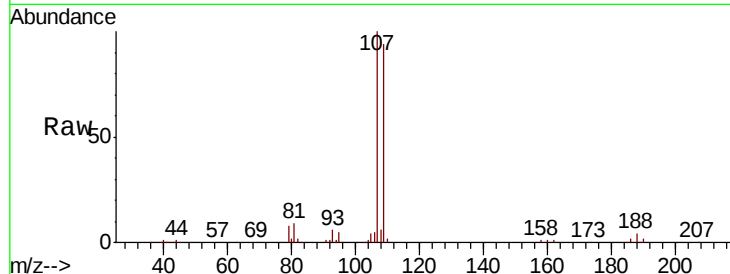




#61
 1,2-Dibromoethane
 Concen: 51.427 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

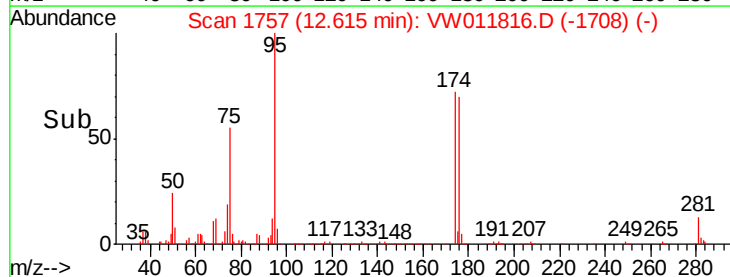
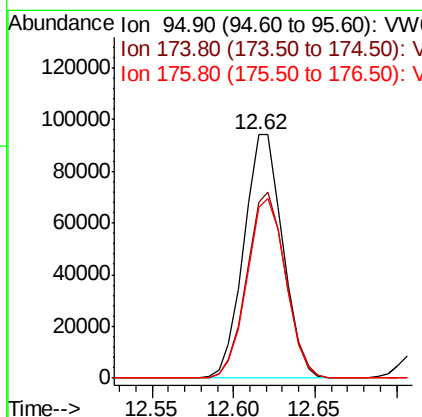
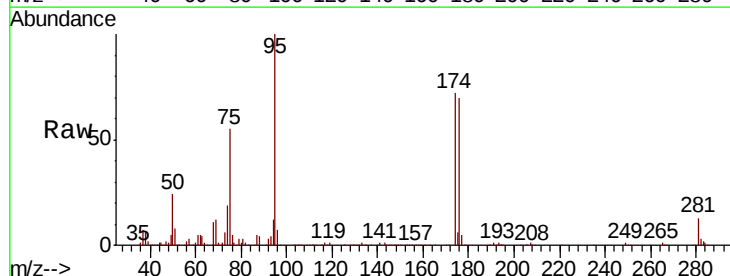
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

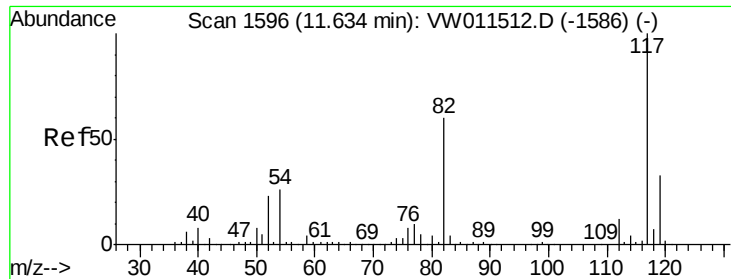
Tgt Ion: 107 Resp: 88018
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.262 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 95 Resp: 156309
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 150.2
 176 73.6 0.0 144.4

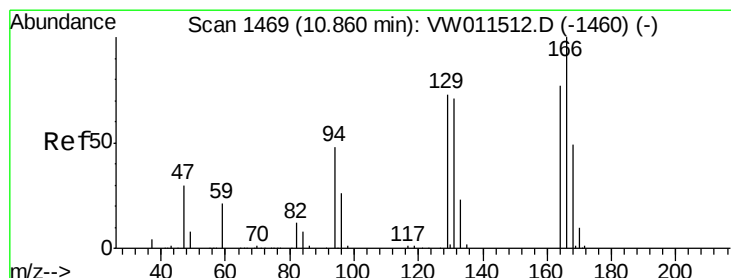
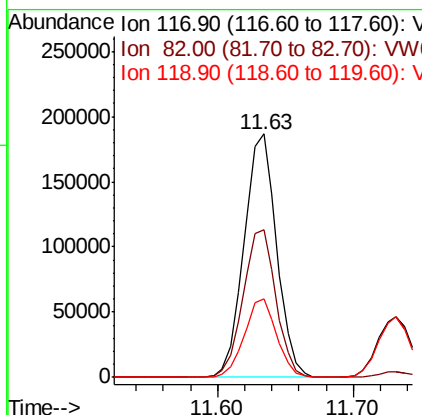
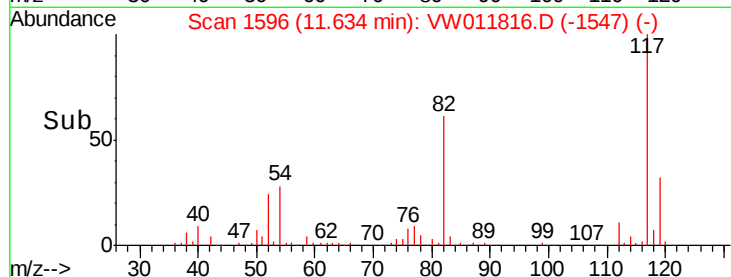
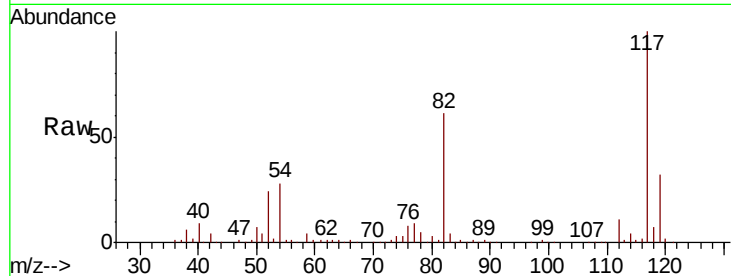




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

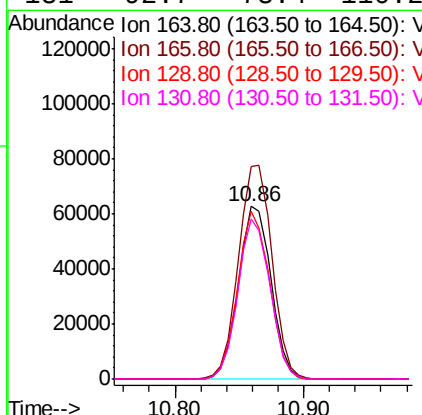
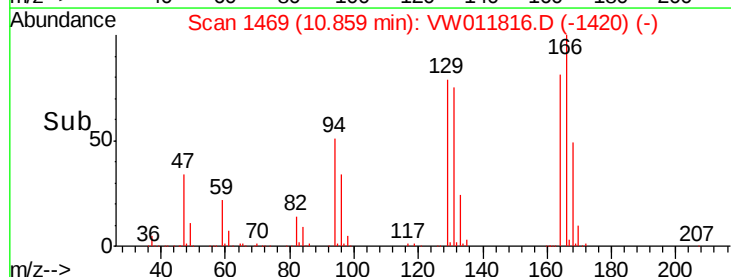
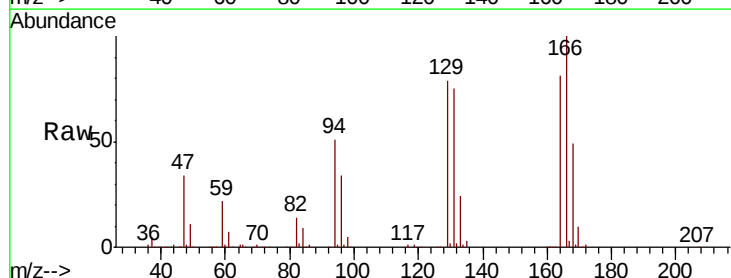
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

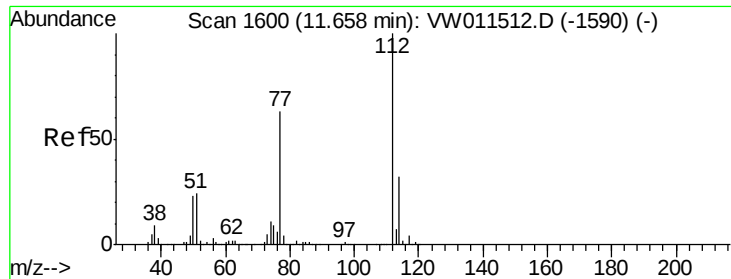
Tgt Ion:117 Resp: 312862
Ion Ratio Lower Upper
117 100
82 60.6 47.9 71.9
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 53.713 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion:164 Resp: 109418
Ion Ratio Lower Upper
164 100
166 123.1 103.5 155.3
129 96.9 75.2 112.8
131 92.7 73.4 110.2

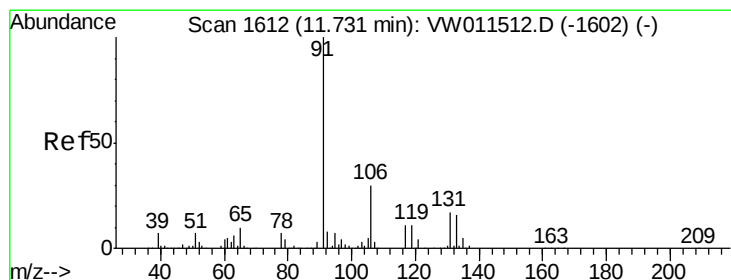
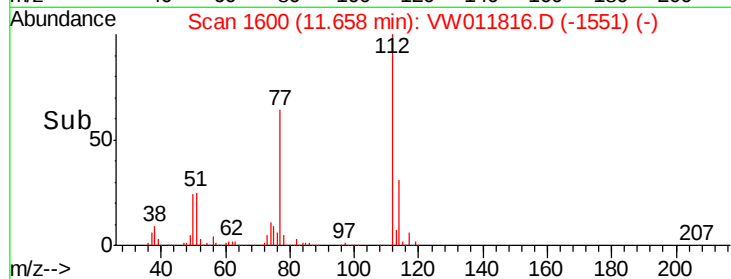
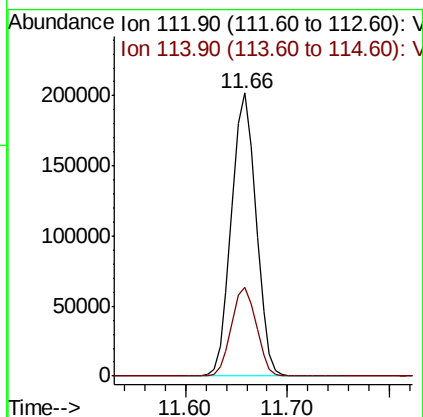
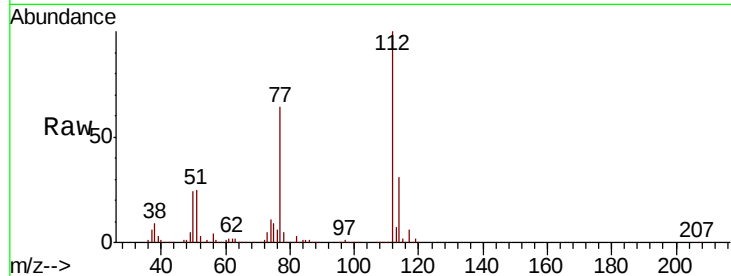




#65
Chlorobenzene
Concen: 53.563 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

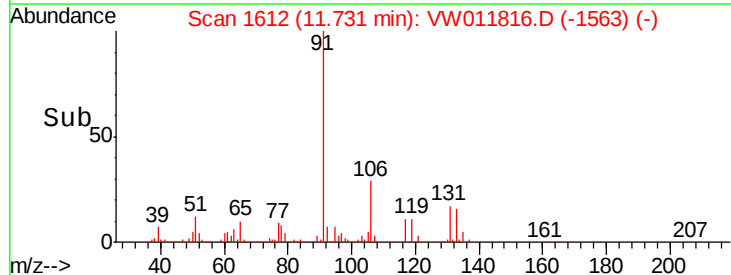
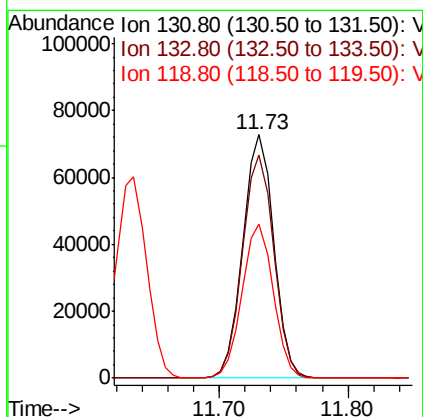
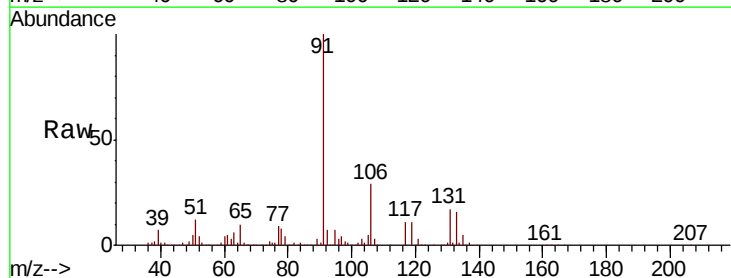
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

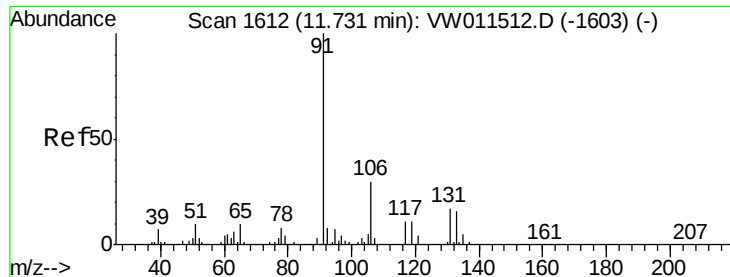
Tgt Ion:112 Resp: 336912
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.934 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion:131 Resp: 120357
Ion Ratio Lower Upper
131 100
133 93.5 47.4 142.2
119 64.2 32.3 96.9

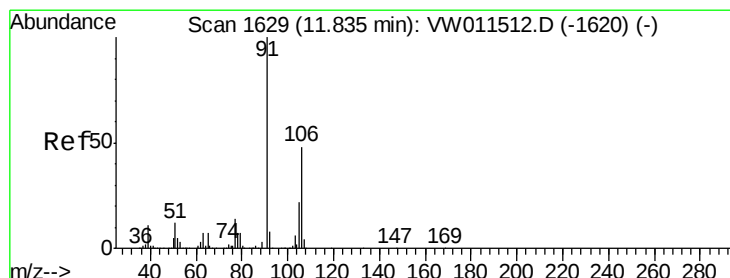
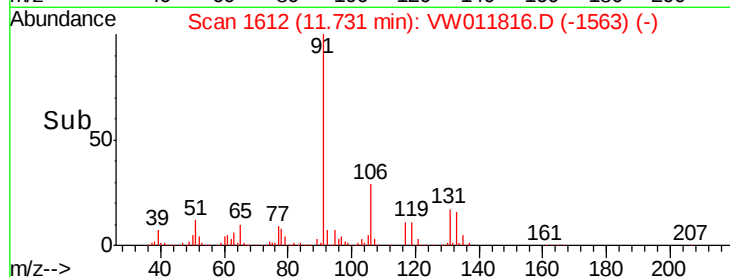
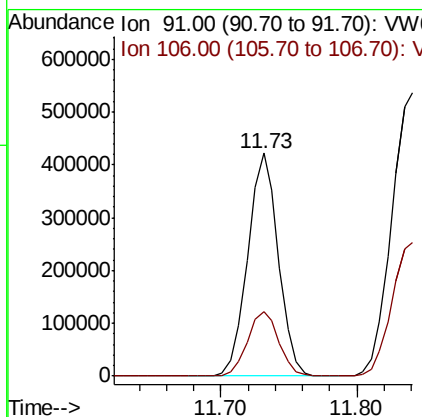
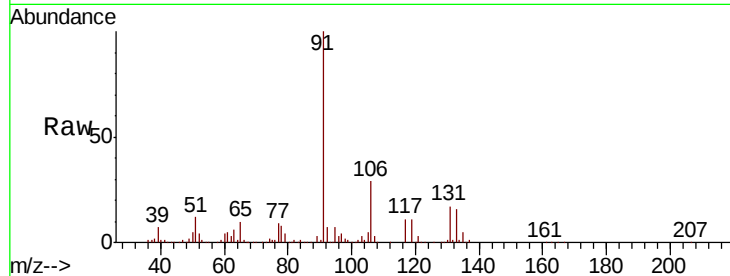




#67
Ethyl Benzene
Concen: 55.458 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

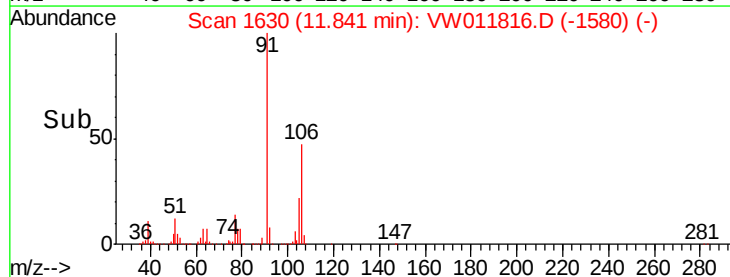
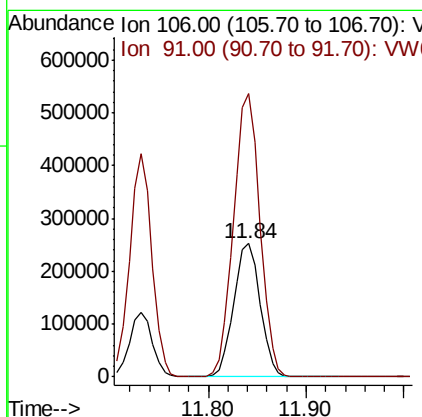
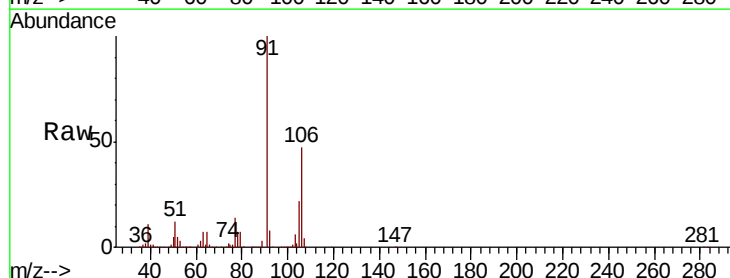
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

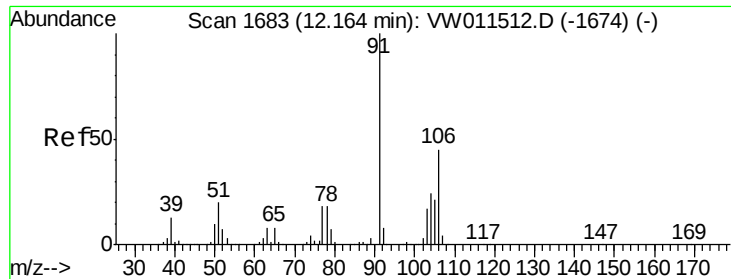
Tgt Ion: 91 Resp: 664360
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6



#68
m/p-Xylenes
Concen: 109.086 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion: 106 Resp: 475246
Ion Ratio Lower Upper
106 100
91 211.4 168.2 252.2

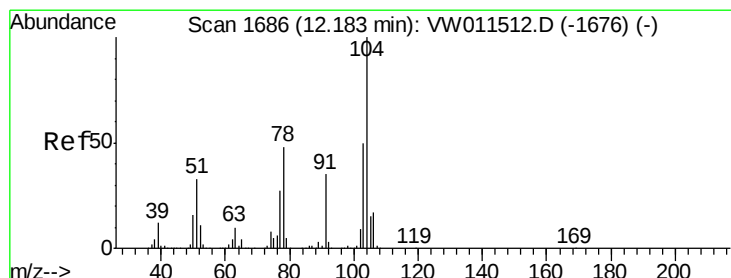
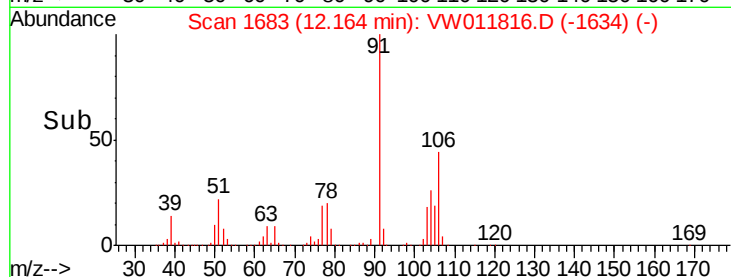
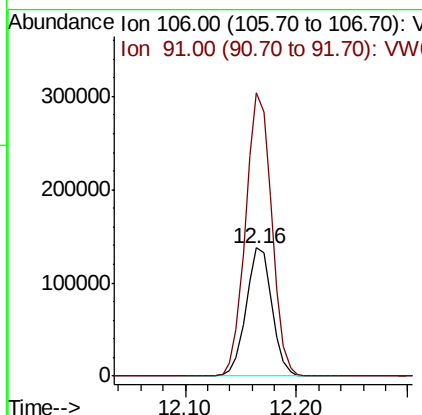
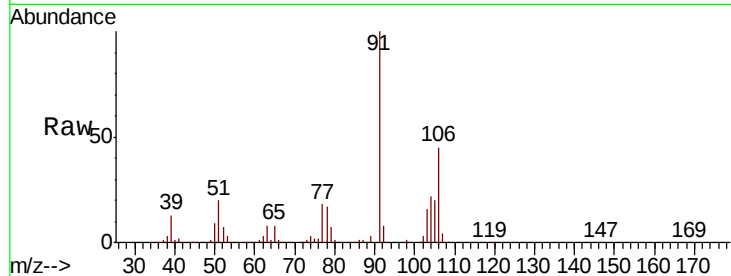




#69
o-Xylene
Concen: 54.829 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

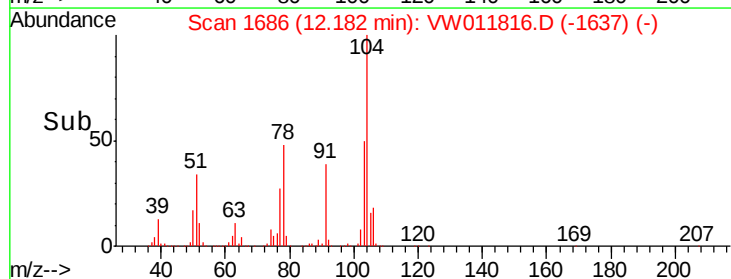
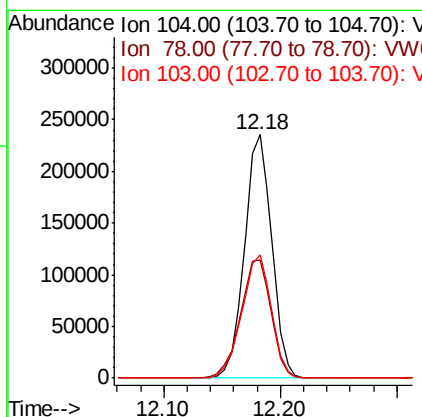
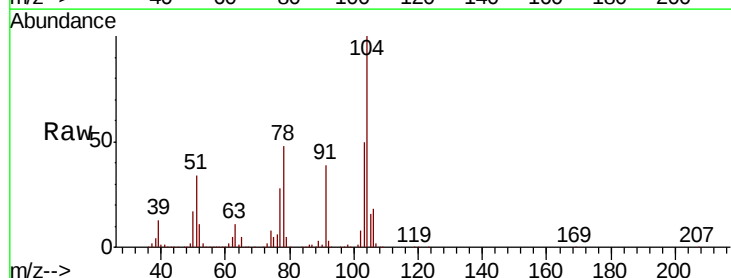
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

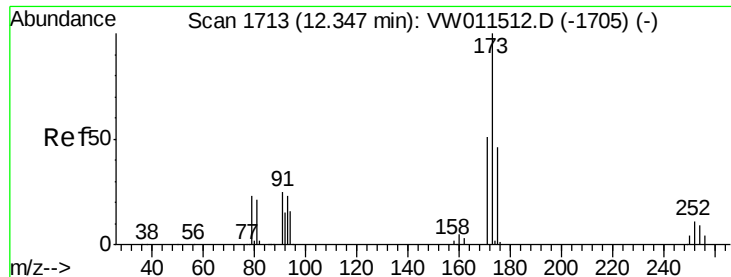
Tgt Ion:106 Resp: 221970
Ion Ratio Lower Upper
106 100
91 222.8 110.5 331.5



#70
Styrene
Concen: 55.092 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion:104 Resp: 385628
Ion Ratio Lower Upper
104 100
78 54.4 43.4 65.0
103 54.6 43.9 65.9





#71

Bromoform

Concen: 54.225 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

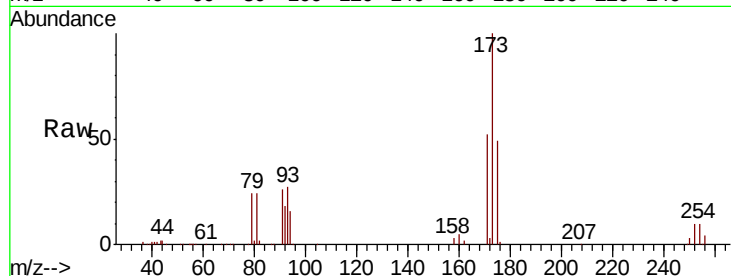
Tgt Ion:173 Resp: 60574

Ion Ratio Lower Upper

173 100

175 48.3 23.6 71.0

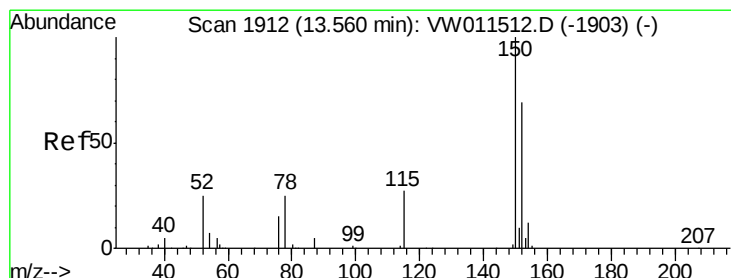
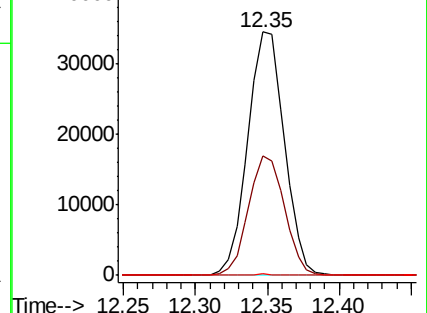
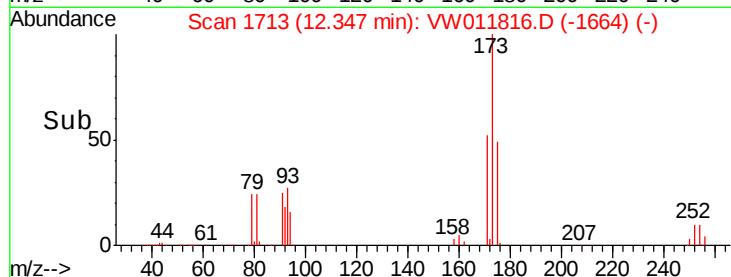
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

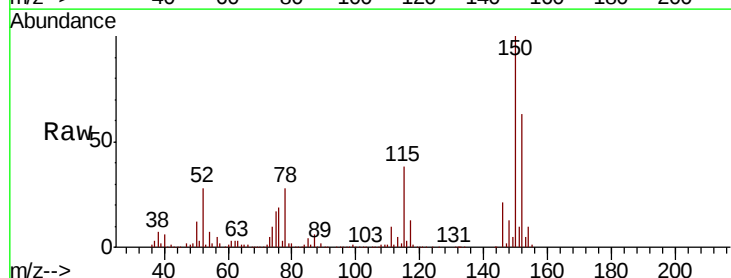
Tgt Ion:152 Resp: 152722

Ion Ratio Lower Upper

152 100

115 59.7 30.5 91.5

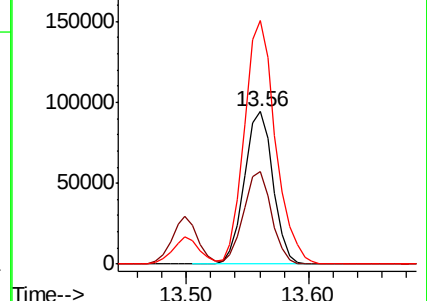
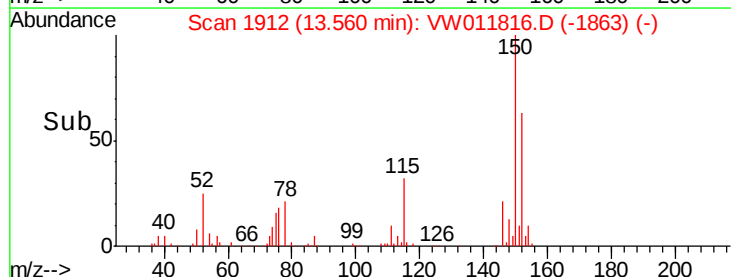
150 173.2 0.0 352.6

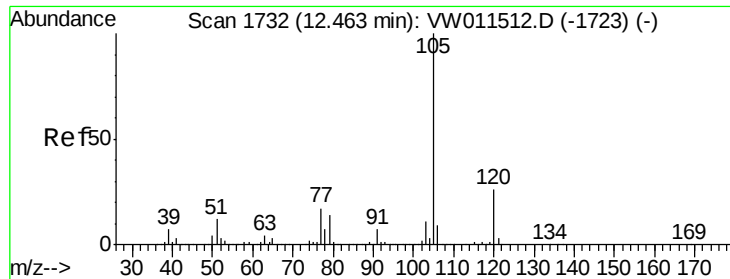


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.604 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

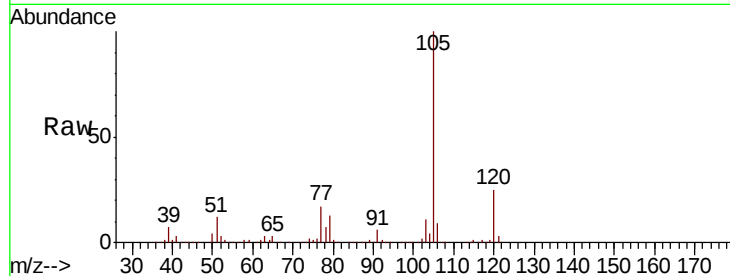
VSTDCCC050

Tgt Ion: 105 Resp: 622123

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

100000

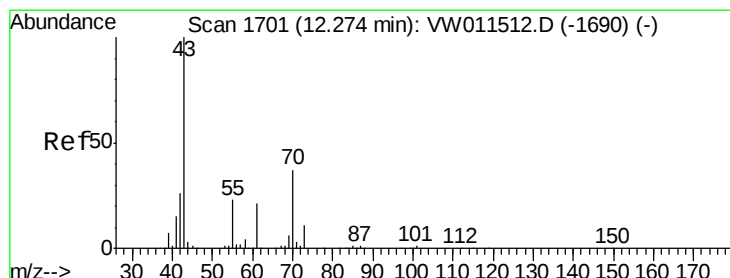
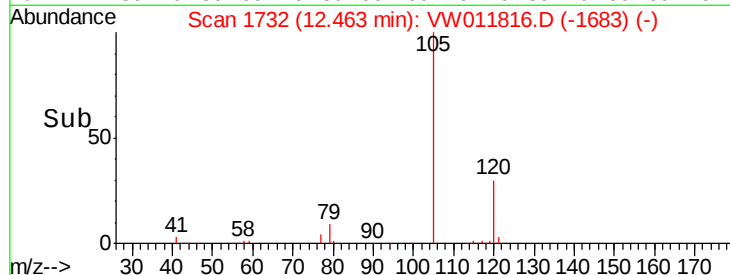
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 54.210 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion: 43 Resp: 193369

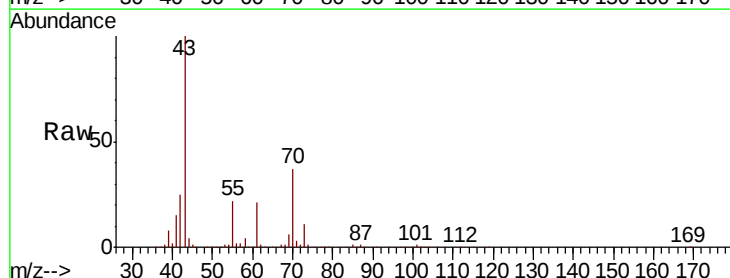
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 22.8 17.8 26.8

61 21.3 17.0 25.6



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

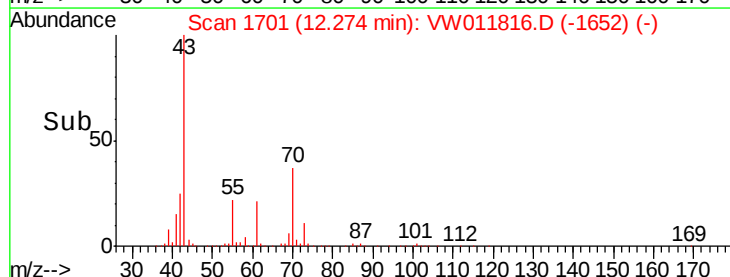
12.27

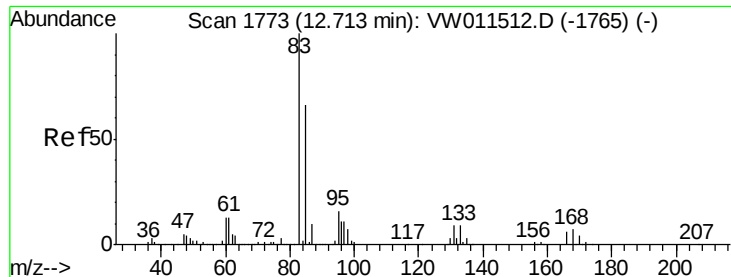
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.122 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

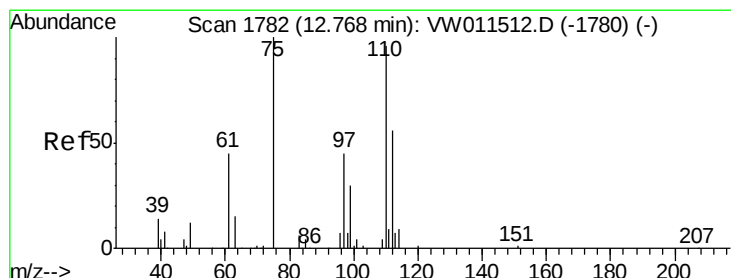
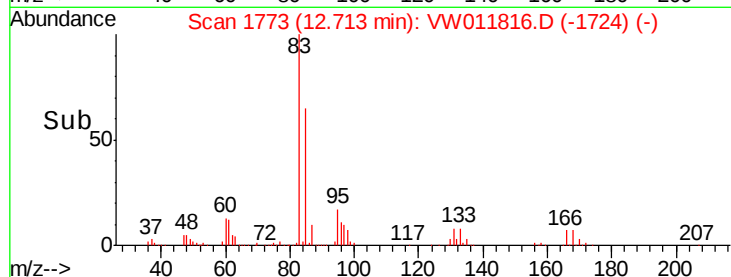
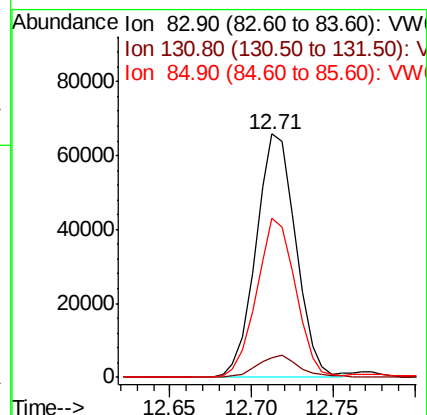
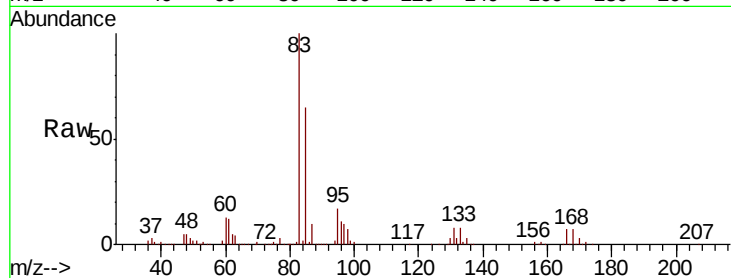
Tgt Ion: 83 Resp: 111703

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

85 64.0 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 94.324 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011816.D

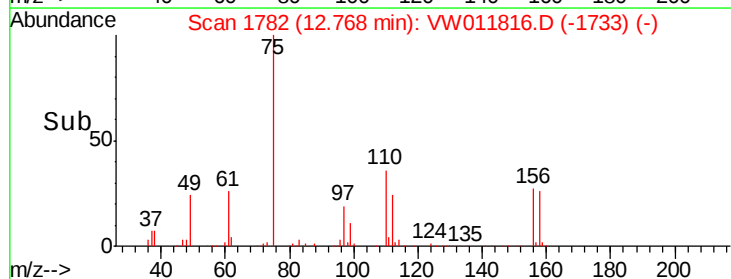
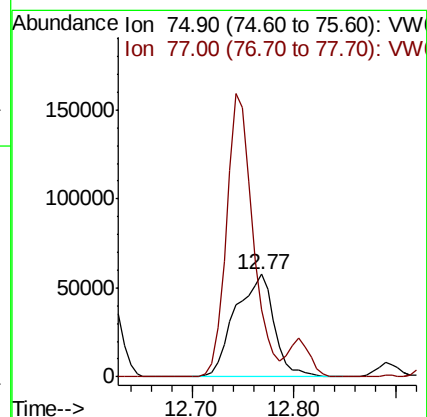
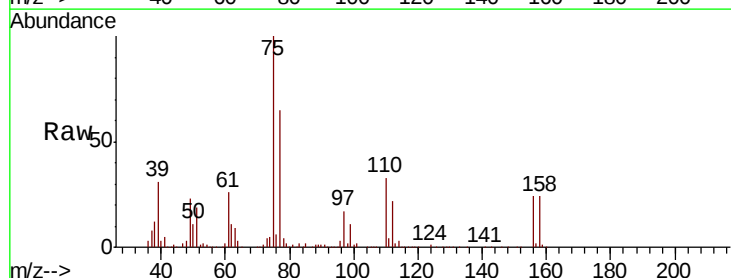
Acq: 09 Aug 2019 16:50

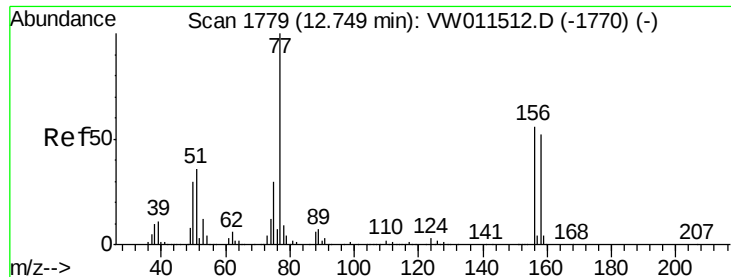
Tgt Ion: 75 Resp: 152425

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.302 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

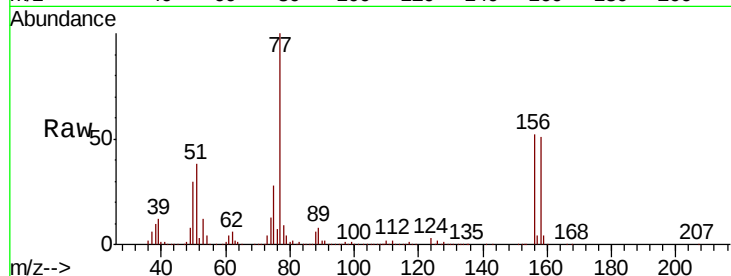
Tgt Ion:156 Resp: 134229

Ion Ratio Lower Upper

156 100

77 214.1 106.5 319.4

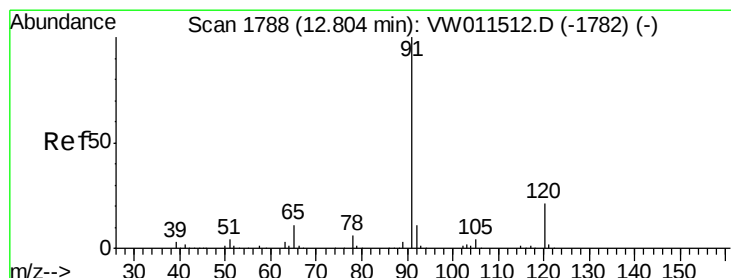
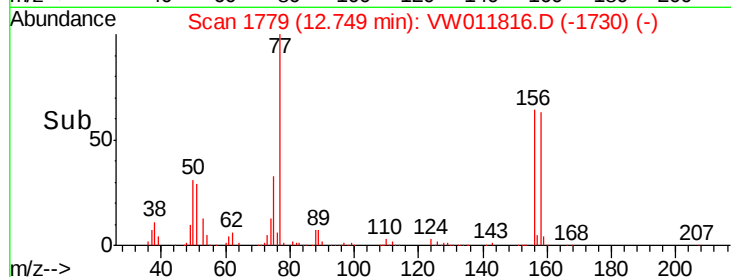
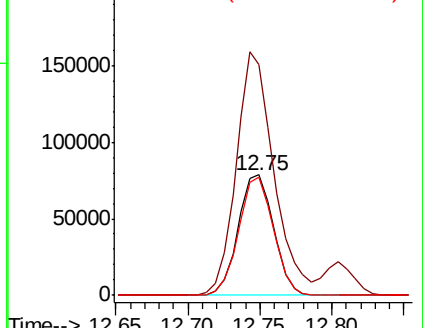
158 96.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.989 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011816.D

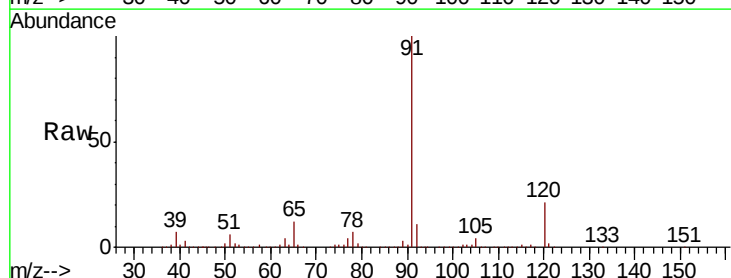
Acq: 09 Aug 2019 16:50

Tgt Ion: 91 Resp: 762466

Ion Ratio Lower Upper

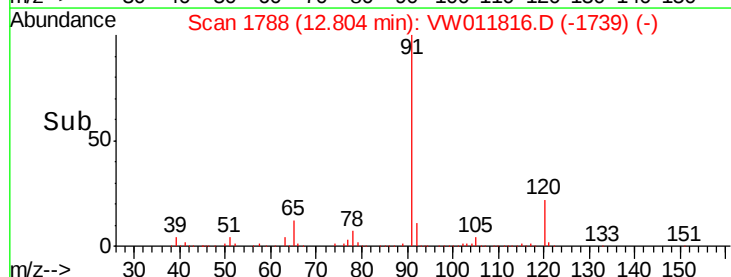
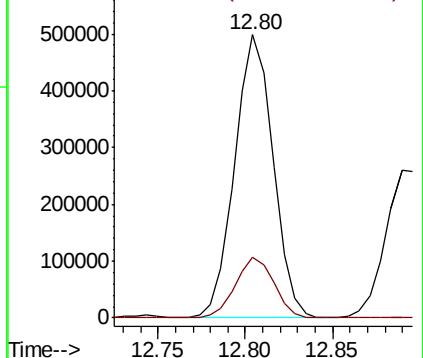
91 100

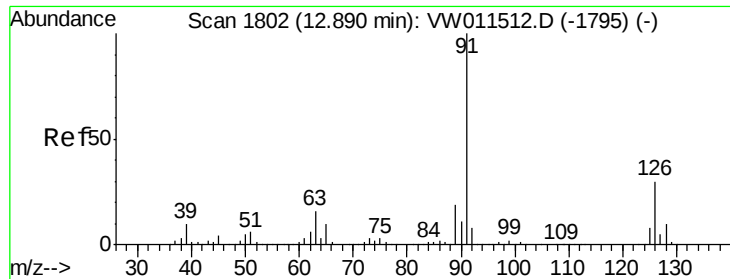
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.019 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

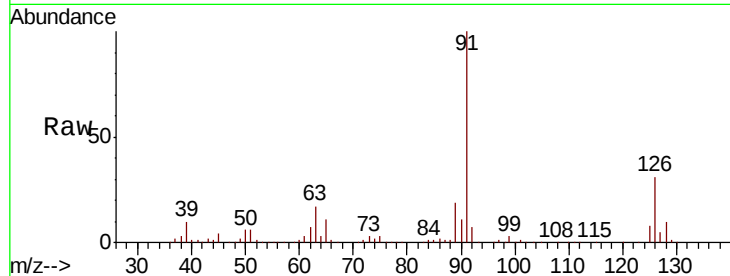
VSTDCCC050

Tgt Ion: 91 Resp: 431513

Ion Ratio Lower Upper

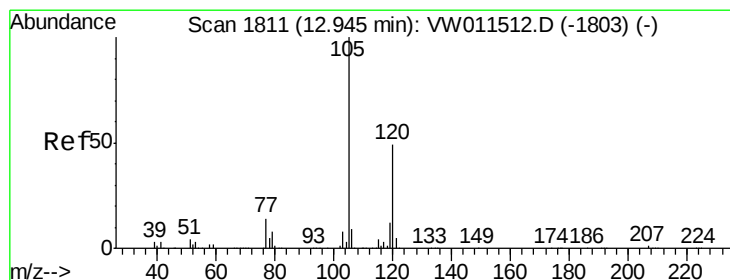
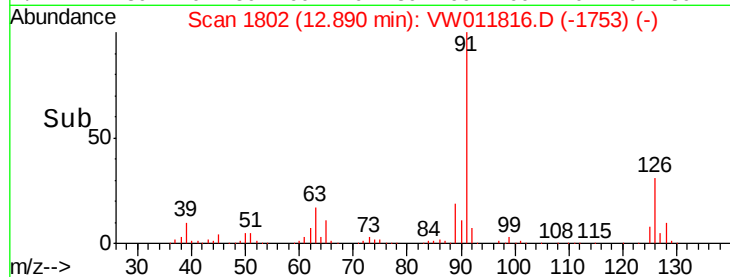
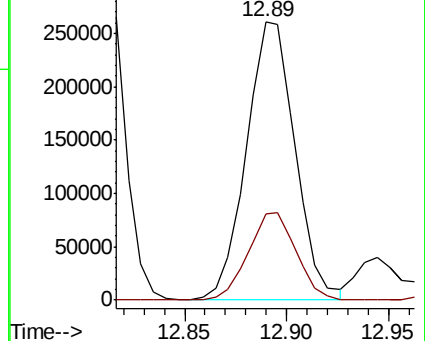
91 100

126 31.0 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.975 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011816.D

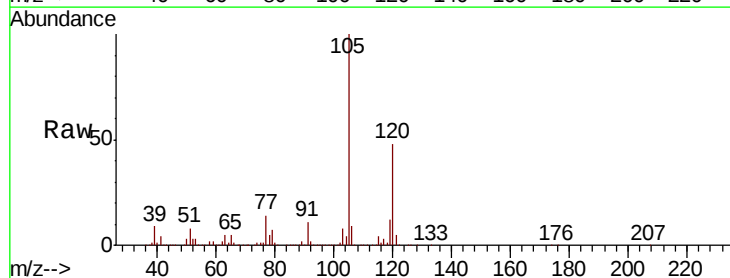
Acq: 09 Aug 2019 16:50

Tgt Ion: 105 Resp: 525040

Ion Ratio Lower Upper

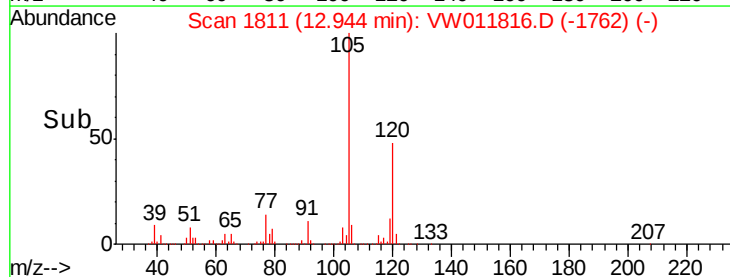
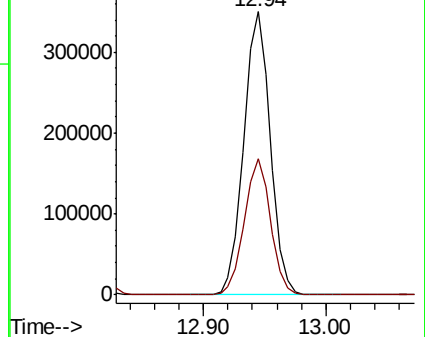
105 100

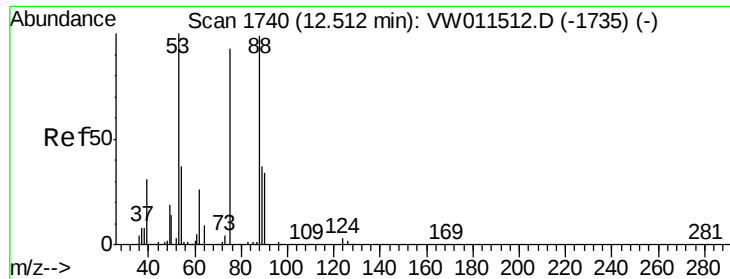
120 47.3 24.1 72.3



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: 55.074 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

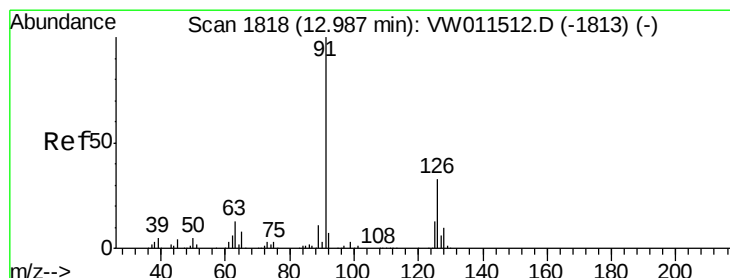
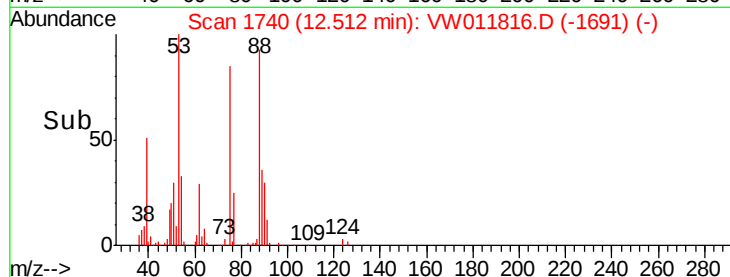
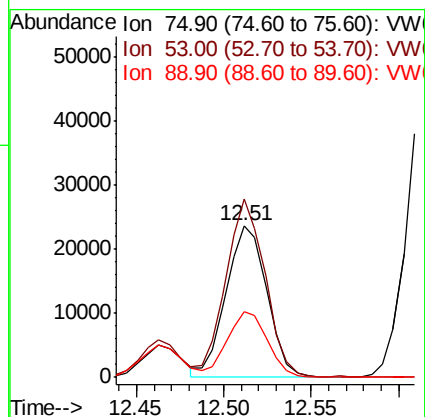
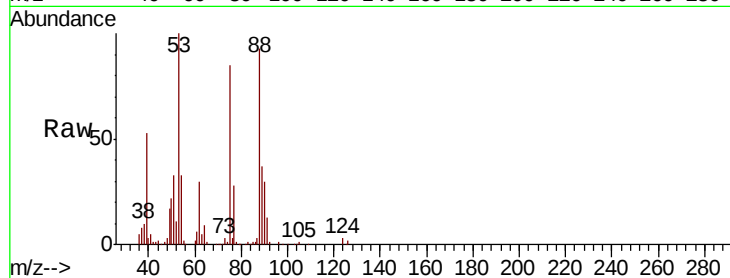
Tgt Ion: 75 Resp: 38617

Ion Ratio Lower Upper

75 100

53 112.7 88.0 132.0

89 42.1 35.3 52.9



#82

4-Chlorotoluene

Concen: 53.295 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011816.D

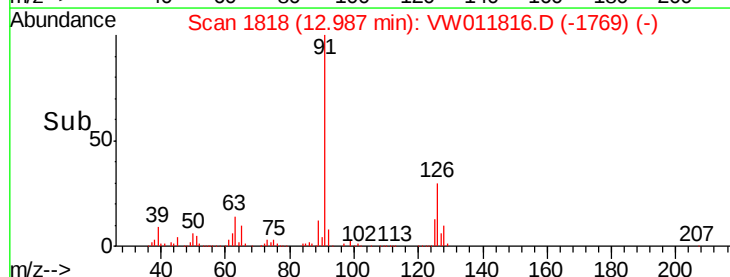
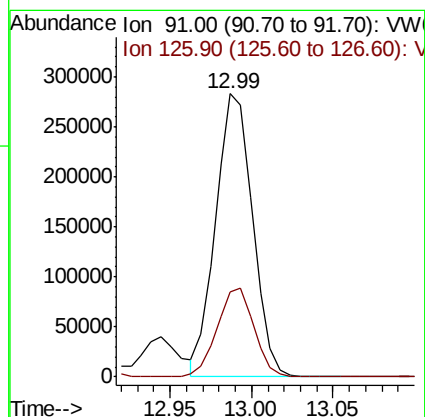
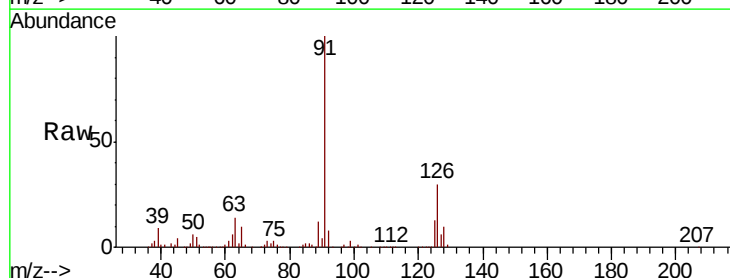
Acq: 09 Aug 2019 16:50

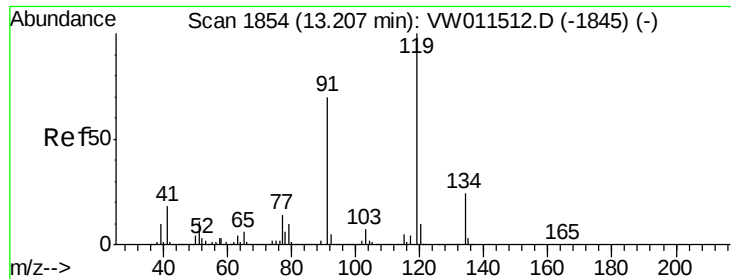
Tgt Ion: 91 Resp: 446675

Ion Ratio Lower Upper

91 100

126 31.4 15.6 46.8

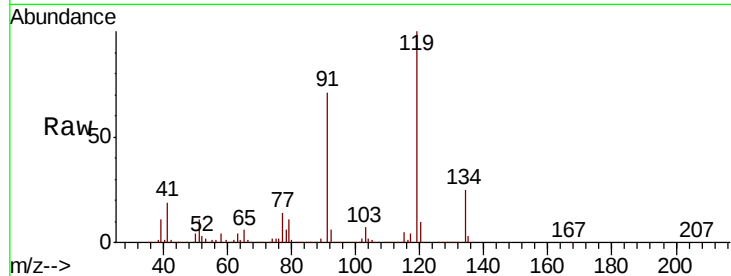




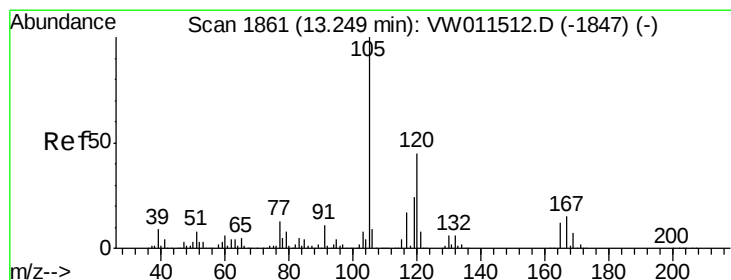
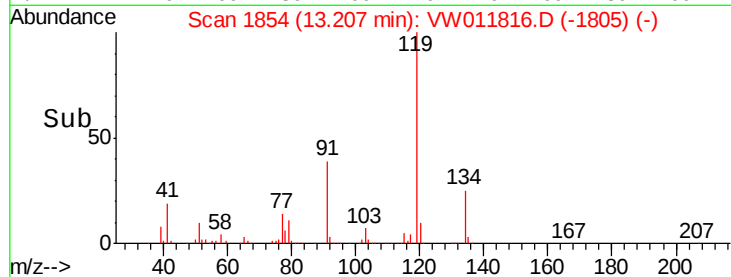
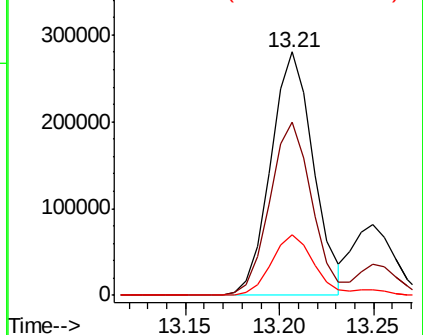
#83
 tert-Butylbenzene
 Concen: 55.302 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 441676
 Ion Ratio Lower Upper
 119 100
 91 69.7 34.5 103.6
 134 26.6 12.4 37.4

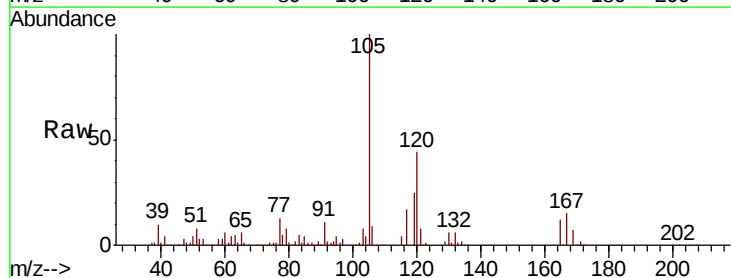


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

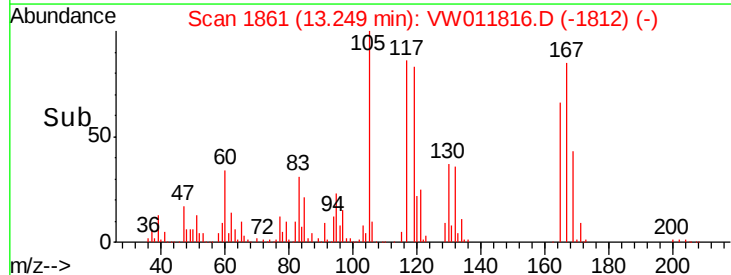
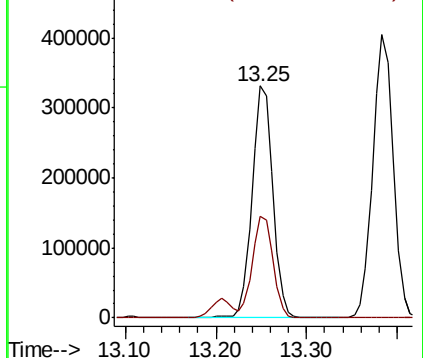


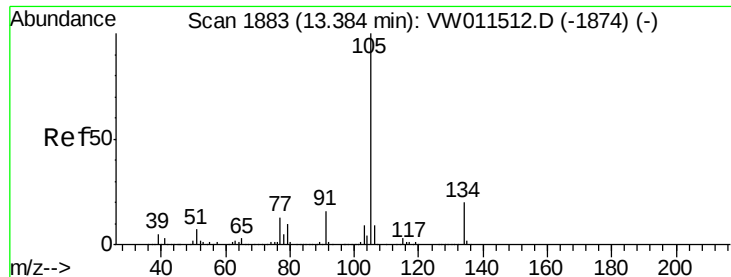
#84
 1,2,4-Trimethylbenzene
 Concen: 54.308 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion:105 Resp: 522484
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.1 66.5



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

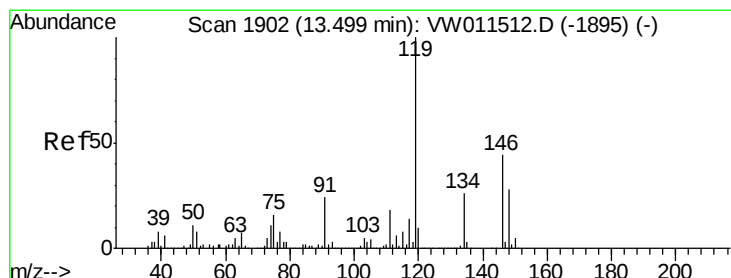
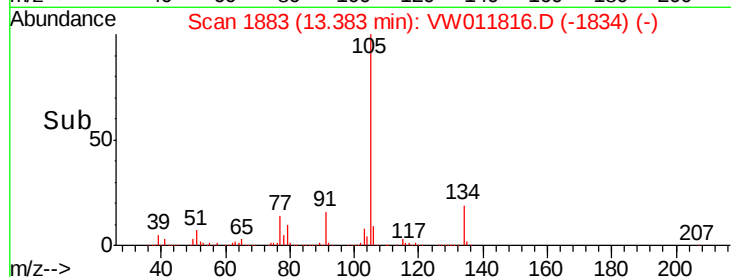
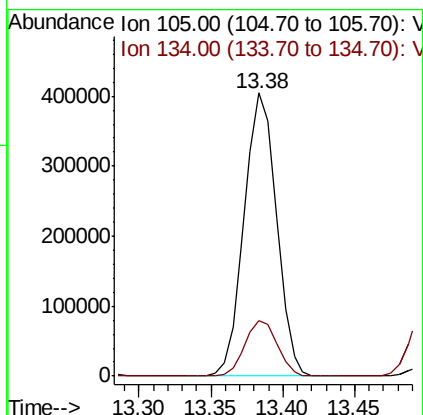
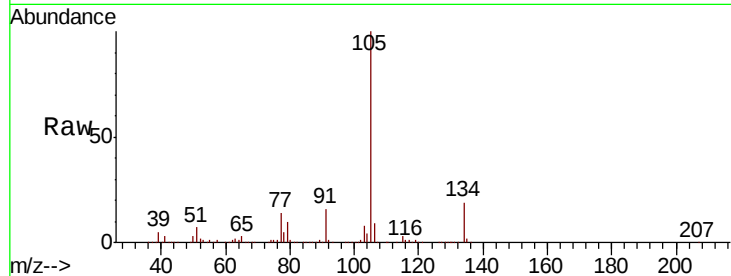




#85
 sec-Butylbenzene
 Concen: 55.259 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

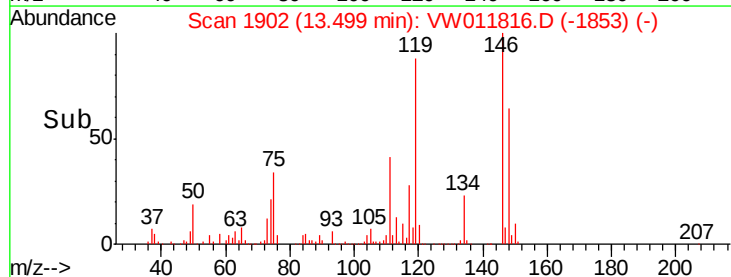
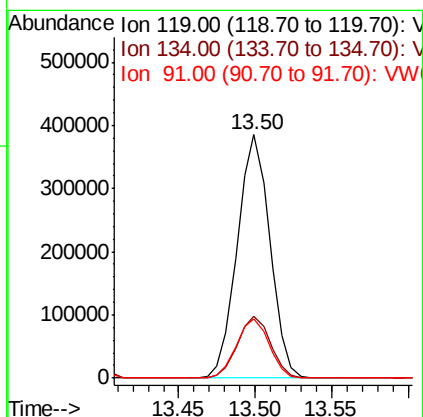
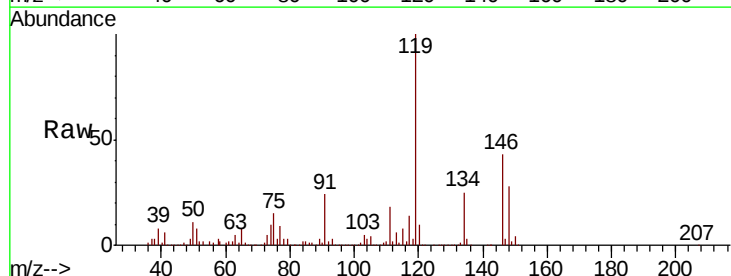
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

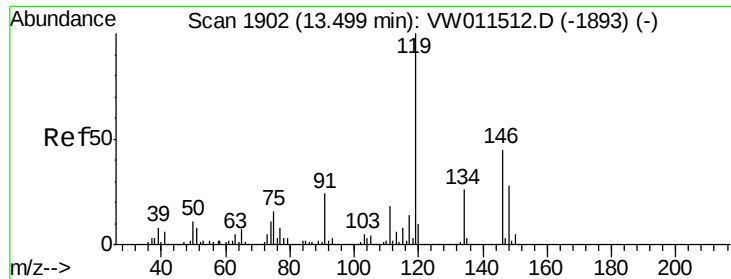
Tgt Ion:105 Resp: 629722
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 55.045 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion:119 Resp: 569147
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.6 12.1 36.3

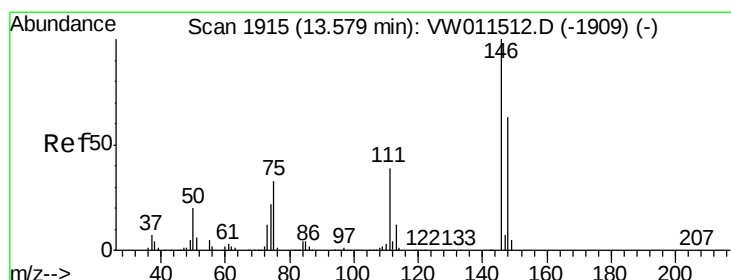
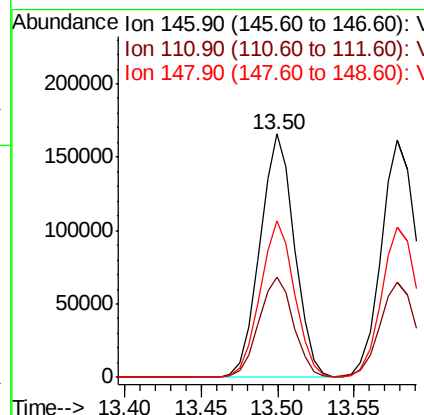
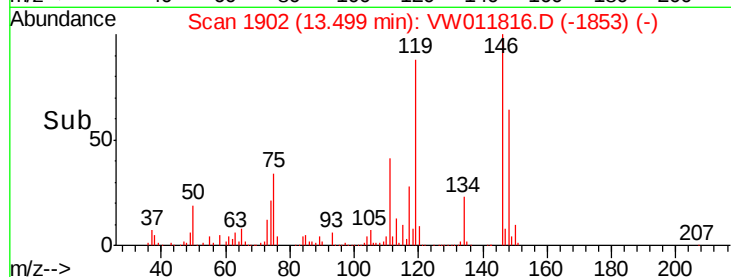
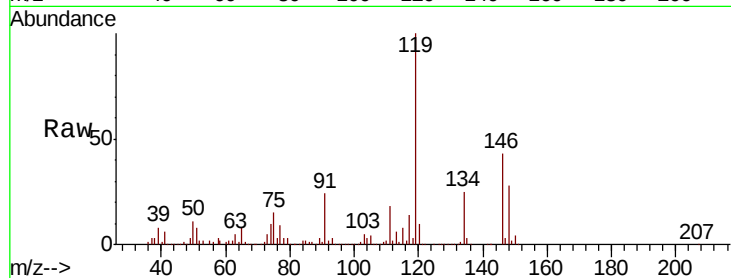




#87
 1,3-Dichlorobenzene
 Concen: 52.793 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

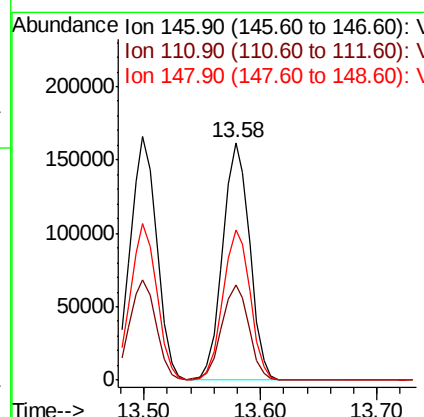
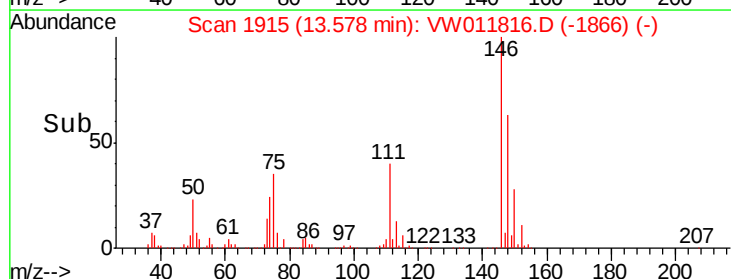
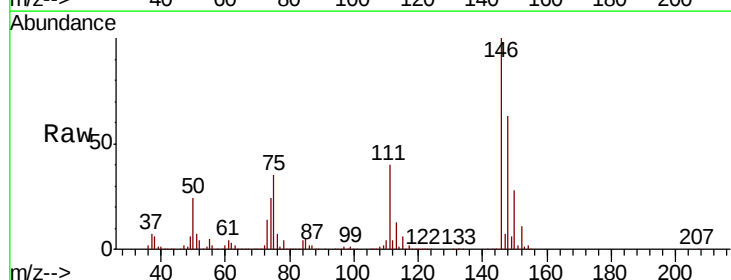
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

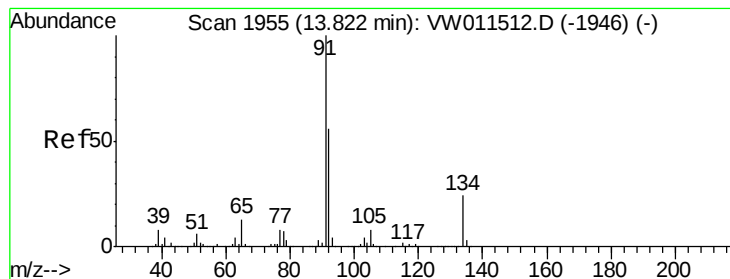
Tgt Ion:146 Resp: 260683
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.6
 148 63.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.606 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion:146 Resp: 258401
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.1 60.2
 148 63.8 31.9 95.9





#89

n-Butylbenzene

Concen: 55.288 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

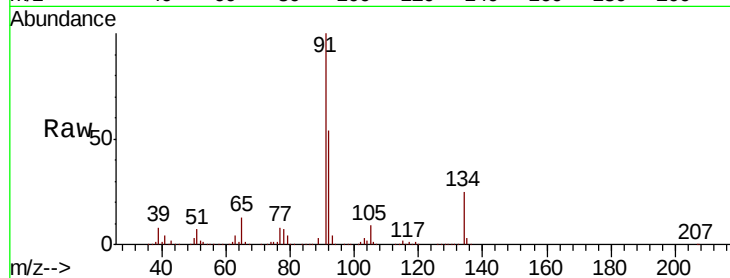
Tgt Ion: 91 Resp: 570483

Ion Ratio Lower Upper

91 100

92 54.7 27.5 82.4

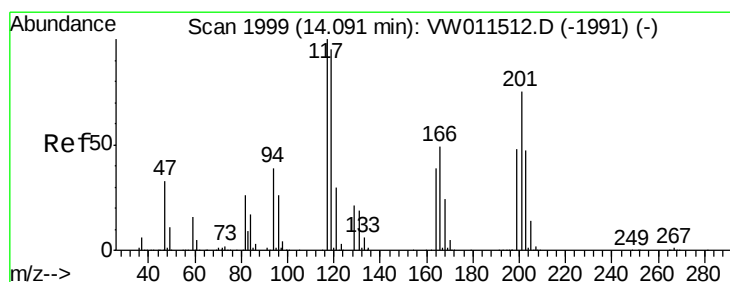
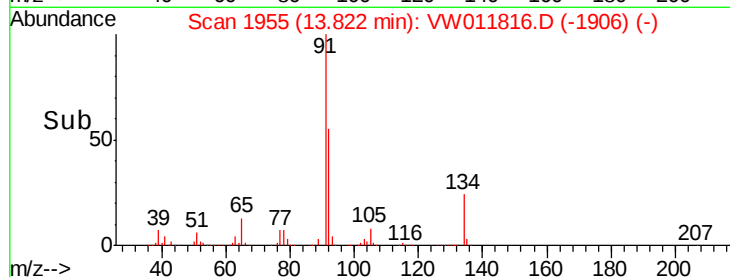
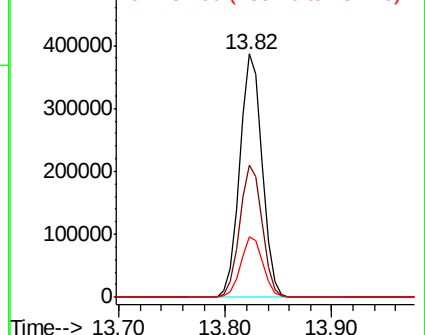
134 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.407 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW011816.D

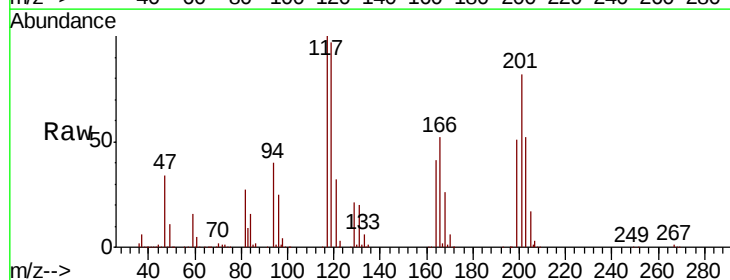
Acq: 09 Aug 2019 16:50

Tgt Ion: 117 Resp: 99475

Ion Ratio Lower Upper

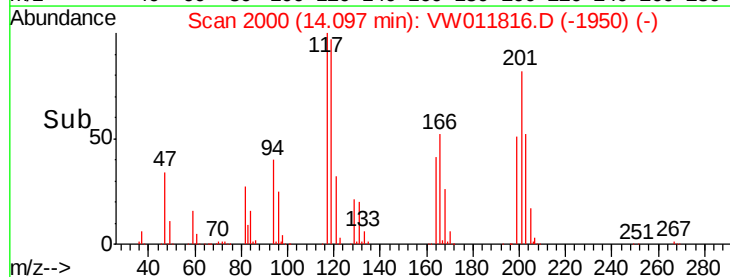
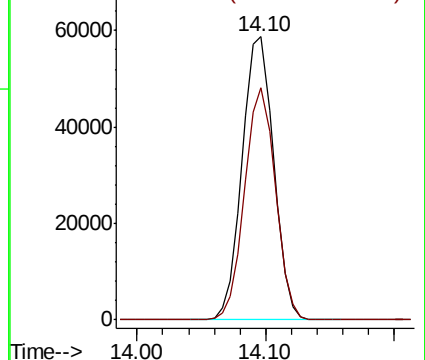
117 100

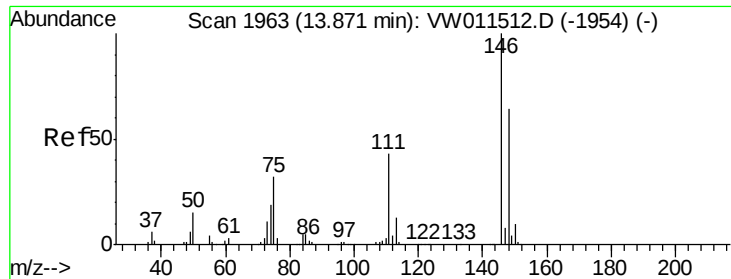
201 79.8 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 52.508 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

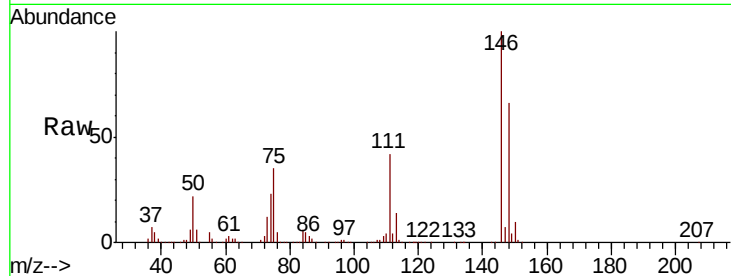
Tgt Ion:146 Resp: 229315

Ion Ratio Lower Upper

146 100

111 43.1 21.6 65.0

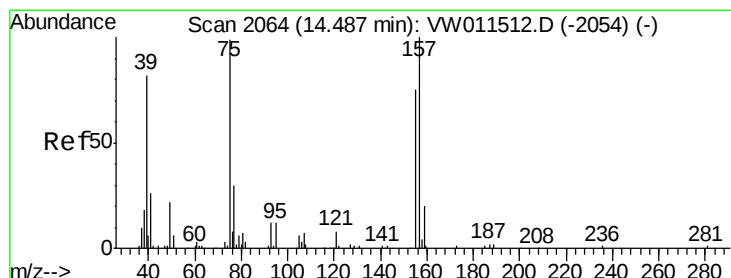
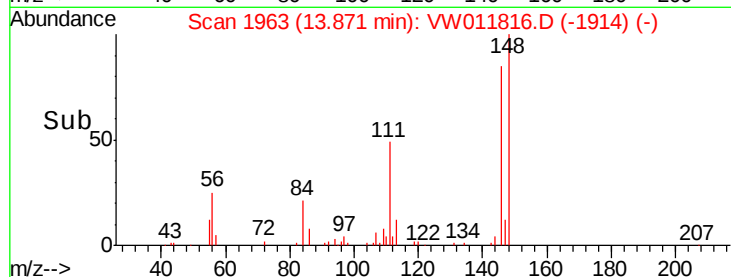
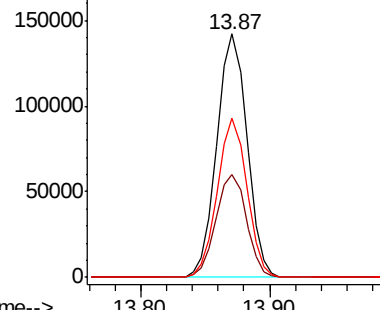
148 64.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.189 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

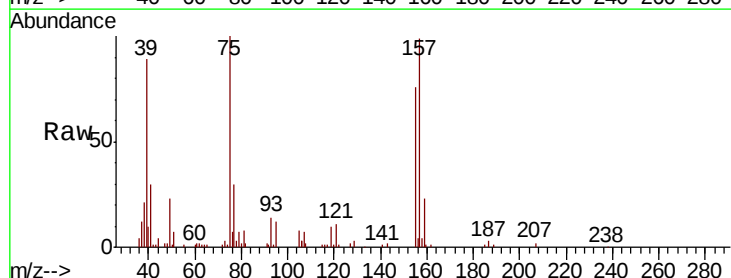
Tgt Ion: 75 Resp: 19438

Ion Ratio Lower Upper

75 100

155 74.5 38.2 114.6

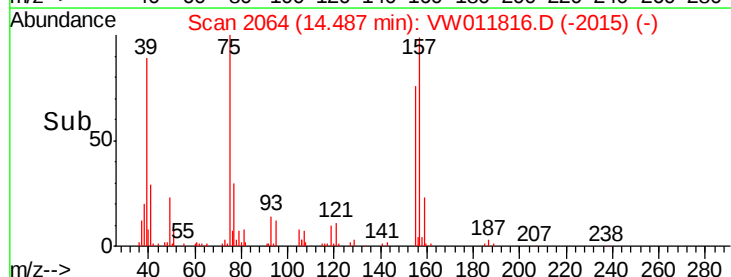
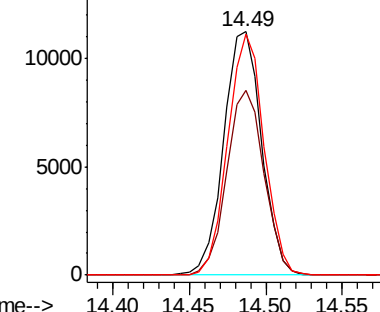
157 94.3 48.9 146.7

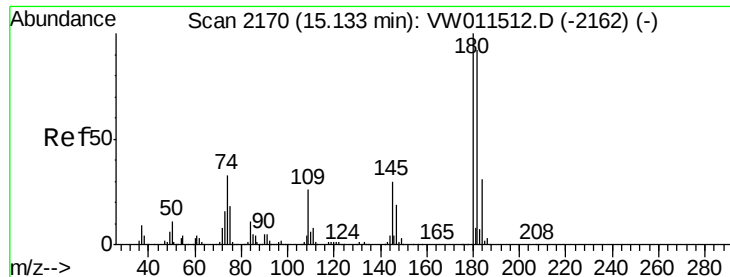


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

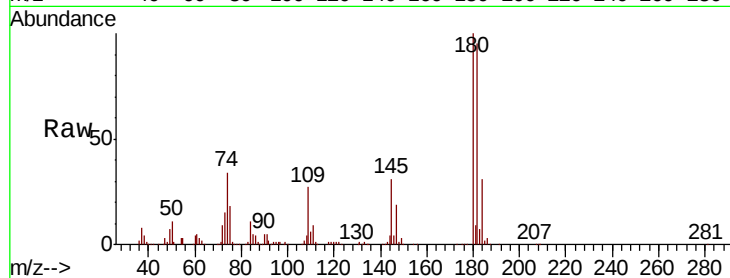




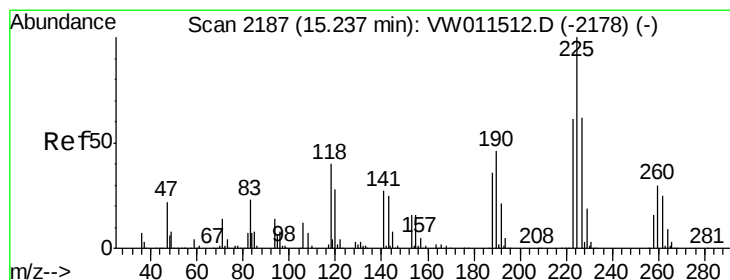
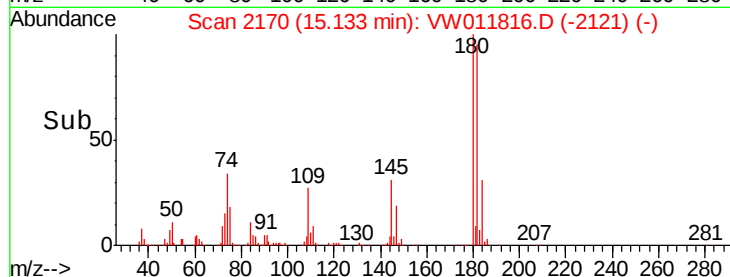
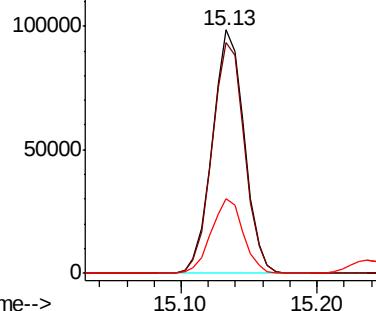
#93
 1,2,4-Trichlorobenzene
 Concen: 52.381 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 161226
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.4 142.2
 145 30.7 15.4 46.1

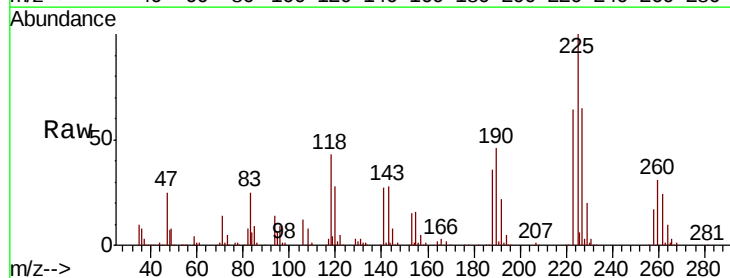


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

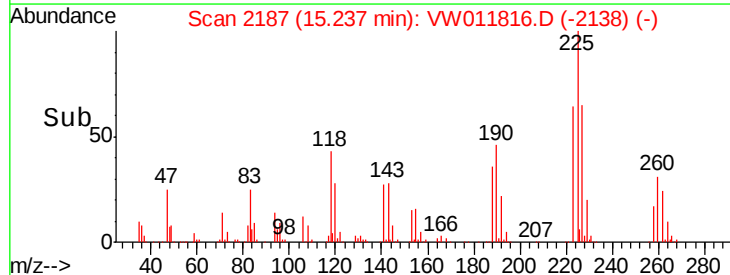
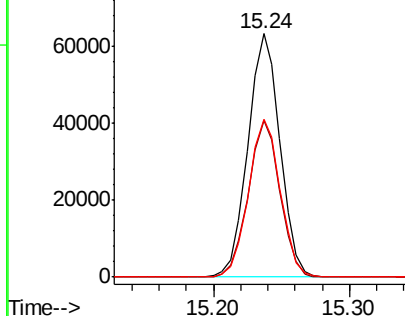


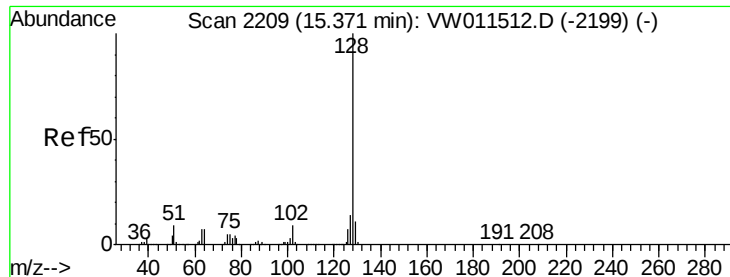
#94
 Hexachlorobutadiene
 Concen: 54.334 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion:225 Resp: 104291
 Ion Ratio Lower Upper
 225 100
 223 63.7 30.8 92.3
 227 64.6 31.6 94.7



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

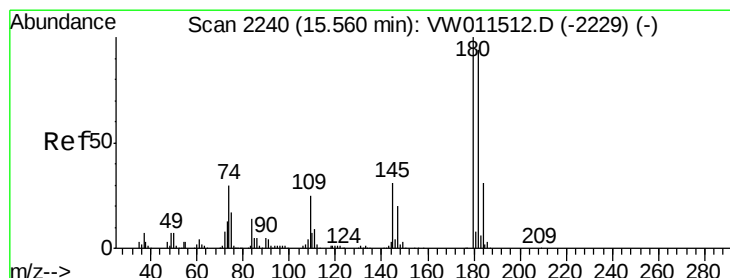
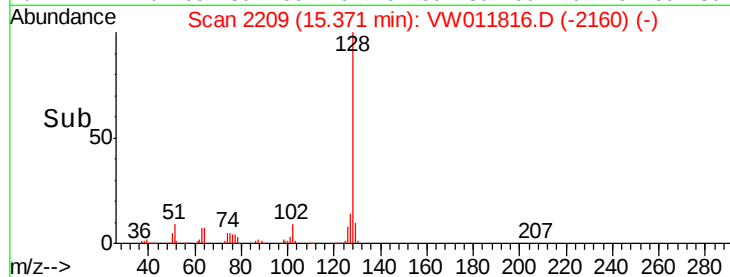
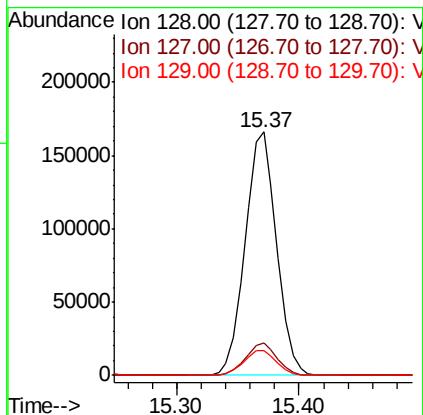
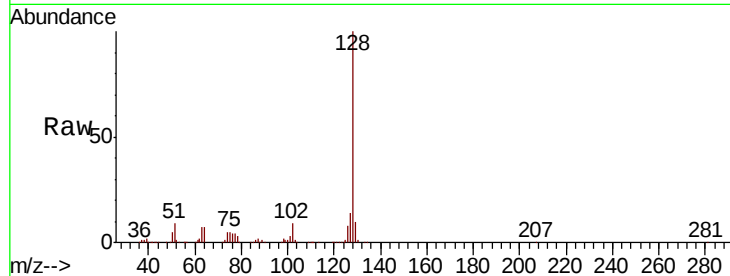




#95
Naphthalene
Concen: 49.044 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 295449
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.317 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion:180 Resp: 141150
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.2
145 32.3 15.9 47.7

