

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011512.D
 Acq On : 26 Jul 2019 12:50
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 27 00:13:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	147866	51.37	ug/l	0.00
Spiked Amount						
			Recovery	=	102.74%	
35) Dibromofluoromethane	7.88	113	119538	52.42	ug/l	0.00
Spiked Amount						
			Recovery	=	104.84%	
50) Toluene-d8	10.32	98	486089	52.06	ug/l	0.00
Spiked Amount						
			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.62	95	173669	52.17	ug/l	0.00
Spiked Amount						
			Recovery	=	104.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	72383	51.808	ug/l	100
3) Chloromethane	2.21	50	118054	48.729	ug/l	100
4) Vinyl Chloride	2.36	62	153079	52.483	ug/l	100
5) Bromomethane	2.78	94	82154	50.887	ug/l	100
6) Chloroethane	2.92	64	88331	53.017	ug/l	100
7) Trichlorofluoromethane	3.26	101	70580	54.145	ug/l	100
8) Diethyl Ether	3.68	74	79300	53.655	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	132588	53.620	ug/l	100
10) Methyl Iodide	4.28	142	190852	54.616	ug/l	100
11) Tert butyl alcohol	5.17	59	54013	223.501	ug/l	100
12) 1,1-Dichloroethene	4.04	96	139236	53.330	ug/l	100
13) Acrolein	3.89	56	51011	246.965	ug/l	100
14) Allyl chloride	4.67	41	298281	53.715	ug/l	100
15) Acrylonitrile	5.37	53	198989	269.714	ug/l	100
16) Acetone	4.12	43	243869	266.323	ug/l	100
17) Carbon Disulfide	4.39	76	442990	54.211	ug/l	100
18) Methyl Acetate	4.67	43	110862	53.893	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	227538	54.920	ug/l	100
20) Methylene Chloride	4.92	84	157123	49.753	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	148325	52.695	ug/l	100
22) Diisopropyl ether	6.31	45	559879	53.477	ug/l	100
23) Vinyl Acetate	6.26	43	1808755	274.947	ug/l	100
24) 1,1-Dichloroethane	6.21	63	298830	53.295	ug/l	100
25) 2-Butanone	7.17	43	330953	276.207	ug/l	100
26) 2,2-Dichloropropane	7.17	77	170729	49.511	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	163425	52.753	ug/l	100
28) Bromochloromethane	7.51	49	120337	48.352	ug/l	100
29) Tetrahydrofuran	7.53	42	187082	273.150	ug/l	100
30) Chloroform	7.68	83	269847	52.165	ug/l	100
31) Cyclohexane	7.95	56	276517	51.375	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	211185	53.606	ug/l	100
36) 1,1-Dichloropropene	8.08	75	226724	53.642	ug/l	100
37) Ethyl Acetate	7.25	43	132294	54.405	ug/l	100
38) Carbon Tetrachloride	8.07	117	195254	53.964	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	251777	54.099	ug/l	100
40) Benzene	8.32	78	625296	52.817	ug/l	100
41) Methacrylonitrile	7.48	41	77405	53.251	ug/l	100
42) 1,2-Dichloroethane	8.40	62	197739	53.348	ug/l	100
43) Isopropyl Acetate	8.42	43	244710	54.720	ug/l	100
44) Trichloroethene	9.09	130	151155	53.122	ug/l	100
45) 1,2-Dichloropropane	9.37	63	169944	53.649	ug/l	100
46) Dibromomethane	9.46	93	77613	53.682	ug/l	100
47) Bromodichloromethane	9.64	83	203841	53.748	ug/l	100
48) Methyl methacrylate	9.43	41	119832	55.783	ug/l	100
49) 1,4-Dioxane	9.45	88	22986	1098.011	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	644210	276.946	ug/l	100
52) Toluene	10.39	92	381715	53.391	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	217098	54.799	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	257847	54.739	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	110579	53.905	ug/l	100
56) Ethyl methacrylate	10.65	69	169375	56.424	ug/l	100
57) 1,3-Dichloropropane	10.93	76	210397	54.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	380768	279.372	ug/l	100
59) 2-Hexanone	10.97	43	470312	286.358	ug/l	100
60) Dibromochloromethane	11.13	129	124447	54.652	ug/l	100
61) 1,2-Dibromoethane	11.24	107	105253	54.218	ug/l	100
64) Tetrachloroethene	10.86	164	121633	52.086	ug/l	100
65) Chlorobenzene	11.66	112	380871	52.821	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	135995	54.146	ug/l	100
67) Ethyl Benzene	11.73	91	740480	53.920	ug/l	100
68) m/p-Xylenes	11.84	106	536105	107.344	ug/l	100
69) o-Xylene	12.16	106	252943	54.502	ug/l	100
70) Styrene	12.18	104	437096	54.472	ug/l	100
71) Bromoform	12.35	173	72108	56.308	ug/l #	100
73) Isopropylbenzene	12.46	105	692044	53.635	ug/l	100
74) N-amyl acetate	12.27	43	227271	56.261	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	132607	54.638	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	179859	97.957	ug/l #	100
77) Bromobenzene	12.75	156	154005	54.001	ug/l	100
78) n-propylbenzene	12.80	91	843660	53.727	ug/l	100
79) 2-Chlorotoluene	12.89	91	481059	53.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	586720	54.247	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44952	56.610	ug/l	100
82) 4-Chlorotoluene	12.99	91	509867	53.718	ug/l	100
83) tert-Butylbenzene	13.21	119	490991	54.285	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	586821	53.860	ug/l	100
85) sec-Butylbenzene	13.38	105	697027	54.010	ug/l	100
86) p-Isopropyltoluene	13.50	119	633498	54.102	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	299337	53.530	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	293678	52.794	ug/l	100
89) n-Butylbenzene	13.82	91	632047	54.089	ug/l	100
90) Hexachloroethane	14.09	117	112821	54.488	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	263867	53.352	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23080	55.767	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	189813	54.455	ug/l	100
94) Hexachlorobutadiene	15.24	225	116071	53.397	ug/l	100
95) Naphthalene	15.37	128	361150	58.438	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	167032	54.668	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

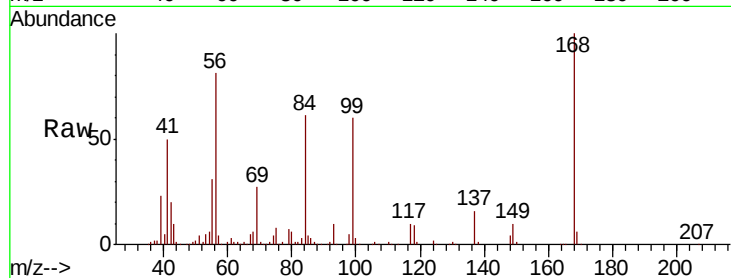
VSTDICCC050

Tot Ion:168 Resp: 250692

Ion Ratio Lower Upper

168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

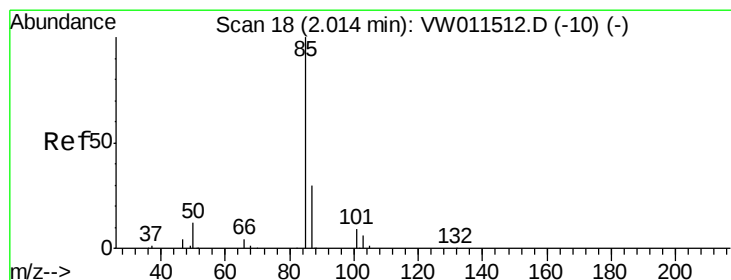
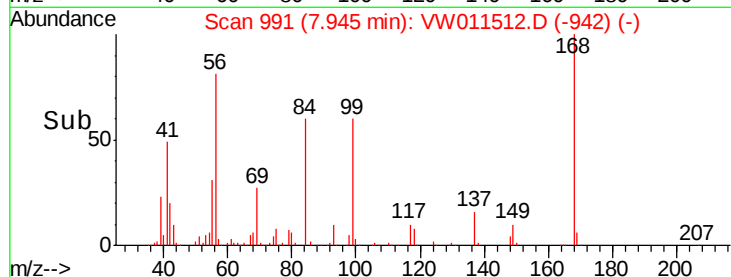
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 51.808 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW011512.D

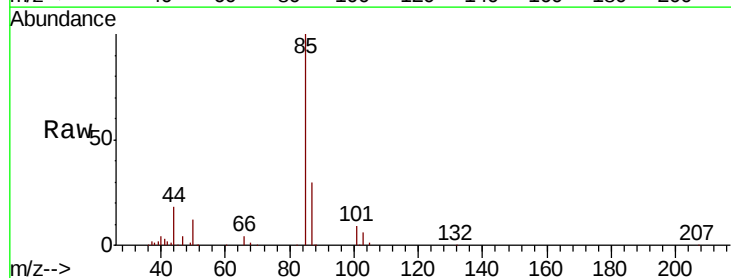
Acq: 26 Jul 2019 12:50

Tgt Ion: 85 Resp: 72383

Ion Ratio Lower Upper

85 100

87 30.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

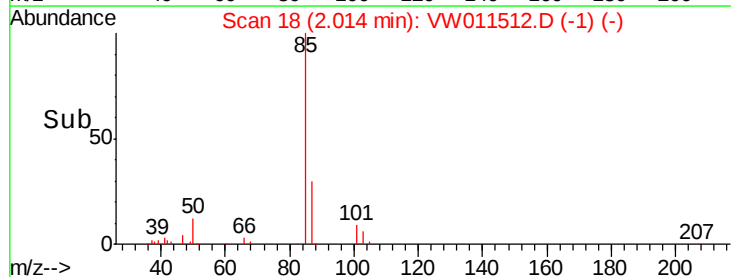
15000

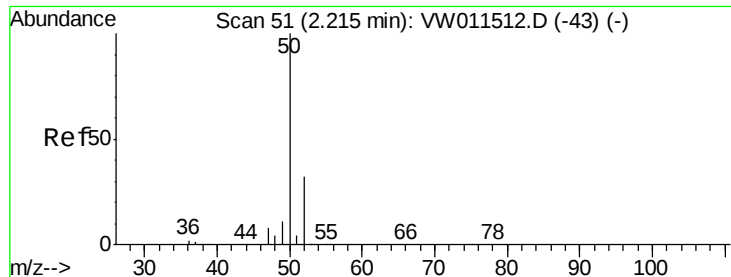
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 48.729 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

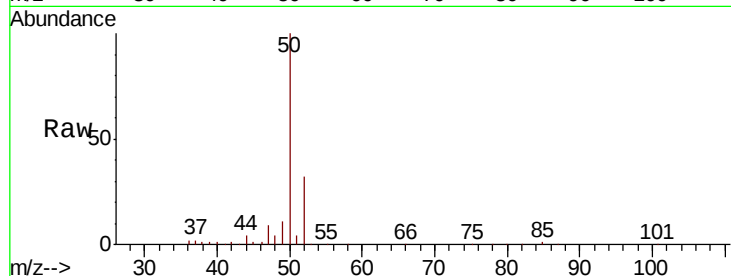
VSTDICCC050

Tot Ion: 50 Resp: 118054

Ion Ratio Lower Upper

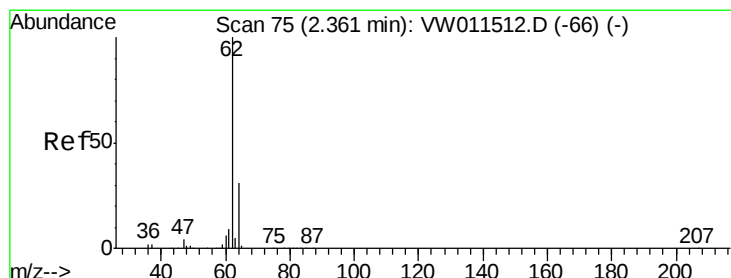
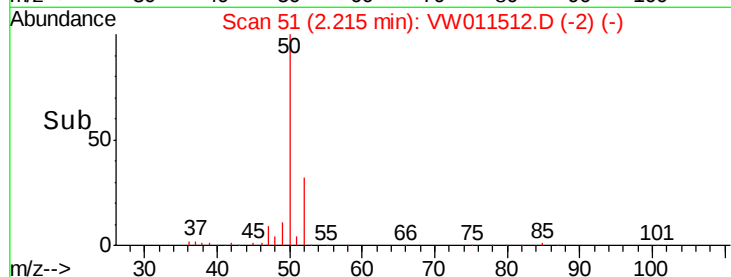
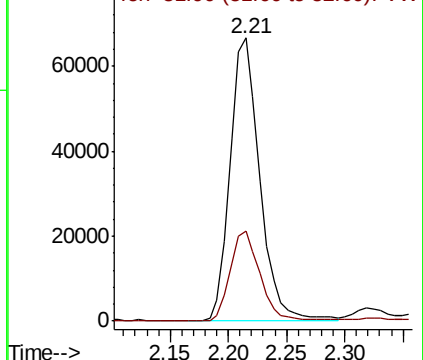
50 100

52 31.8 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 52.483 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011512.D

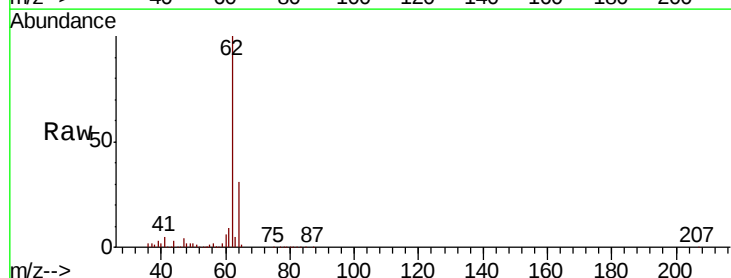
Acq: 26 Jul 2019 12:50

Tgt Ion: 62 Resp: 153079

Ion Ratio Lower Upper

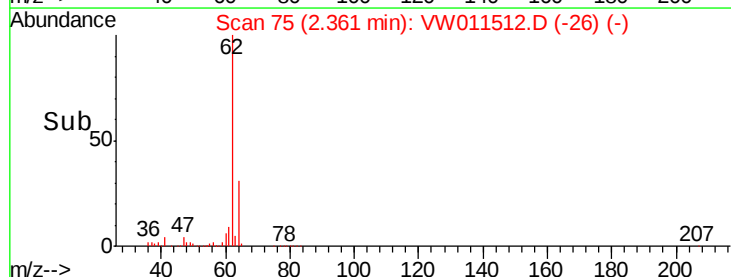
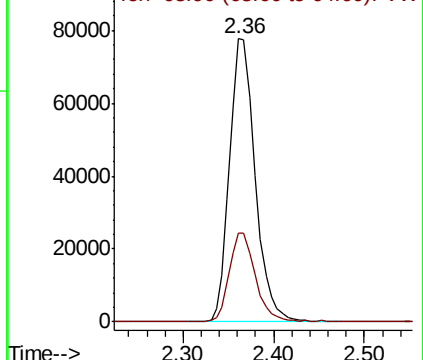
62 100

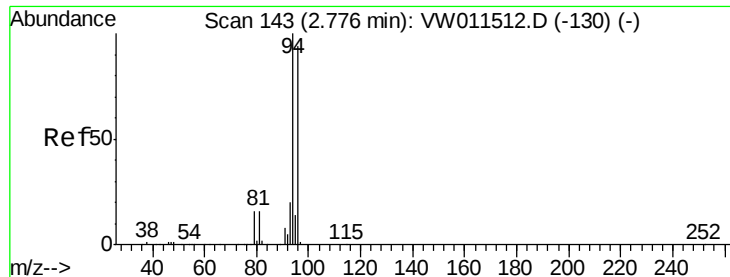
64 31.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 50.887 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

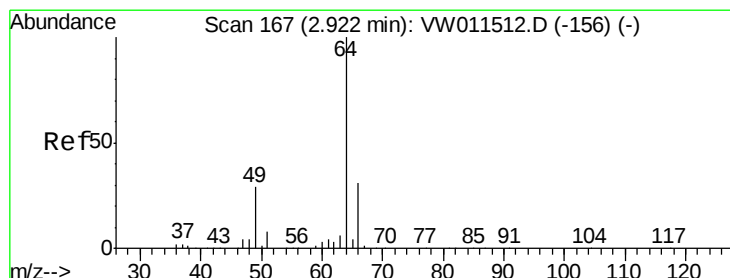
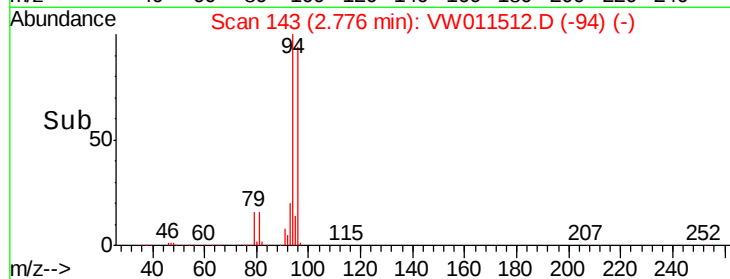
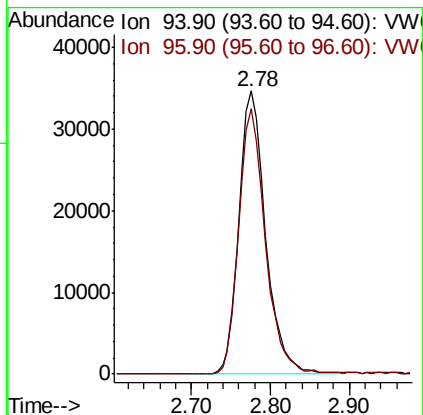
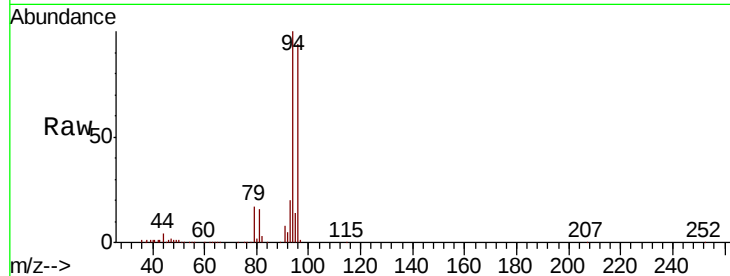
VSTDICCC050

Tot Ion: 94 Resp: 82154

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.6



#6

Chloroethane

Concen: 53.017 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011512.D

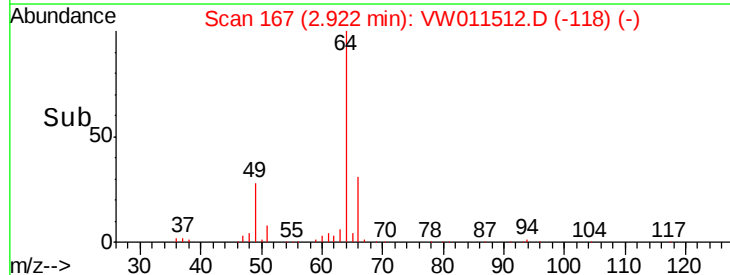
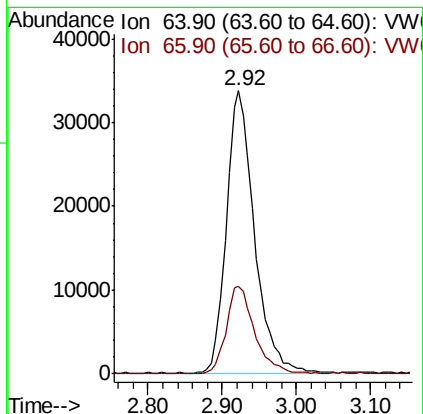
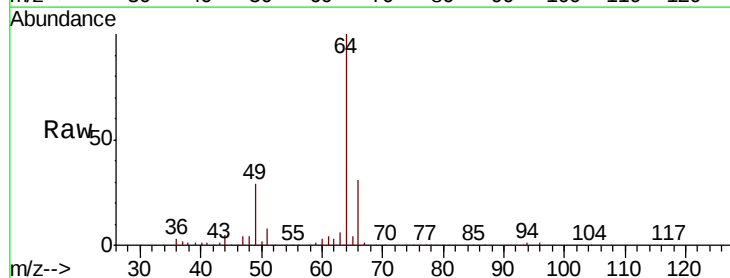
Acq: 26 Jul 2019 12:50

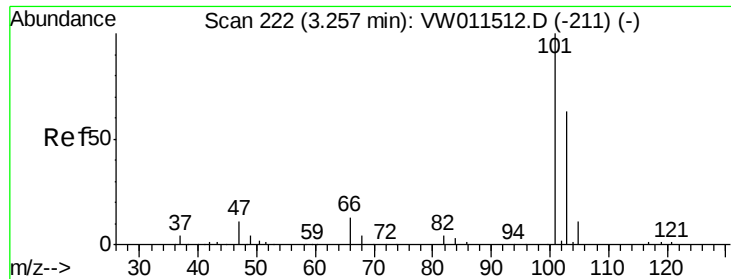
Tgt Ion: 64 Resp: 88331

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



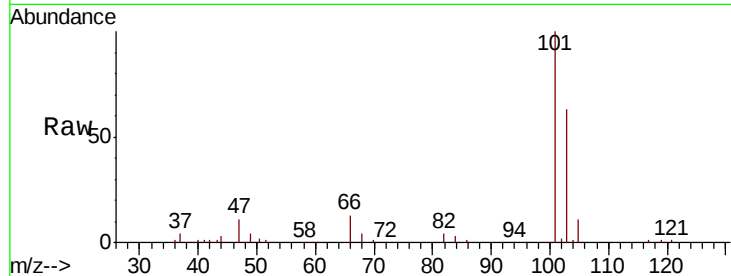


#7

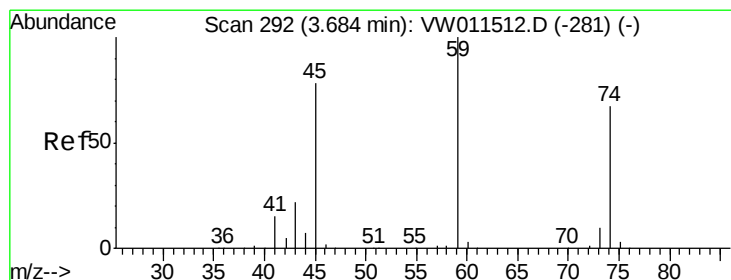
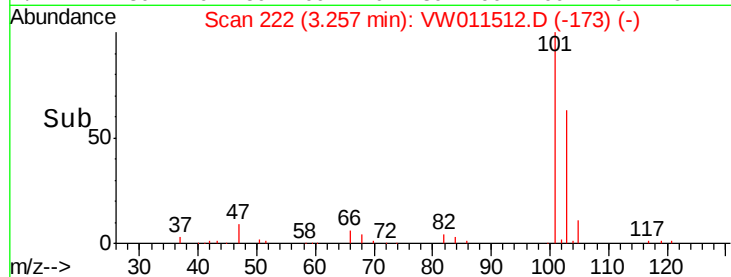
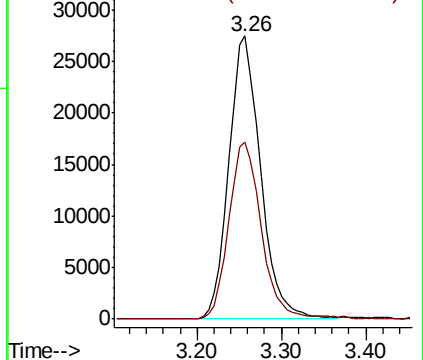
Trichlorofluoromethane
 Concen: 54.145 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:101 Resp: 70580
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.2 75.4



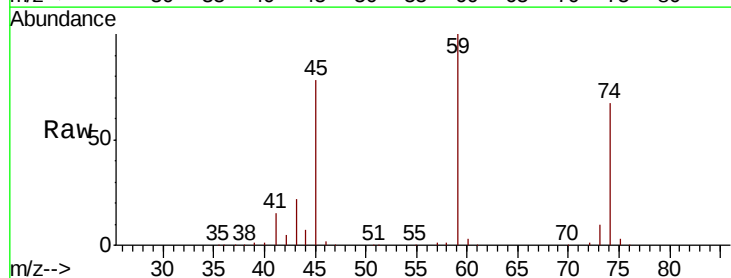
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



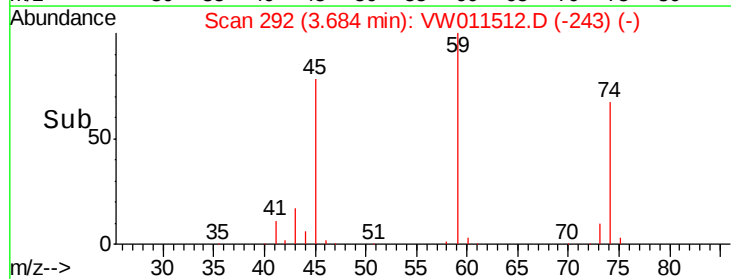
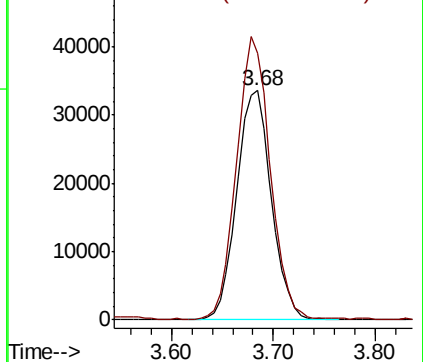
#8

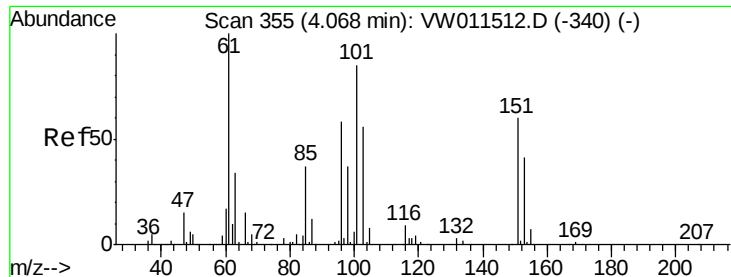
Diethyl Ether
 Concen: 53.655 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion: 74 Resp: 79300
 Ion Ratio Lower Upper
 74 100
 45 119.2 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.620 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

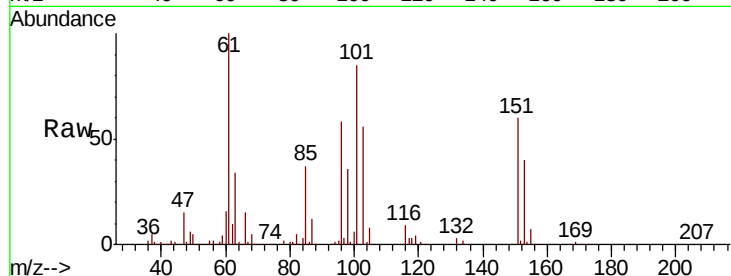
Tot Ion:101 Resp: 132588

Ion Ratio Lower Upper

101 100

85 45.7 36.6 54.8

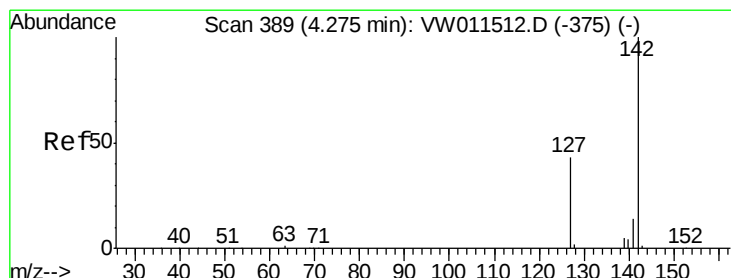
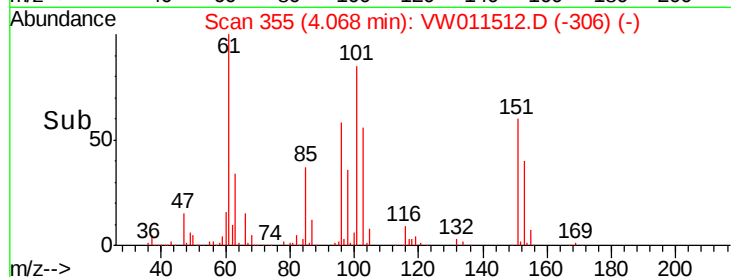
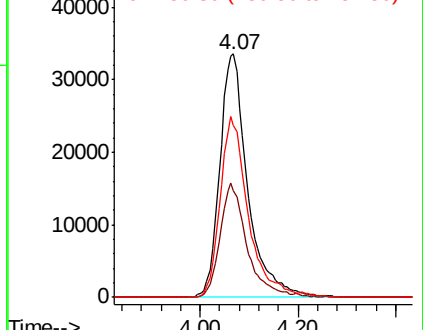
151 75.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.616 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

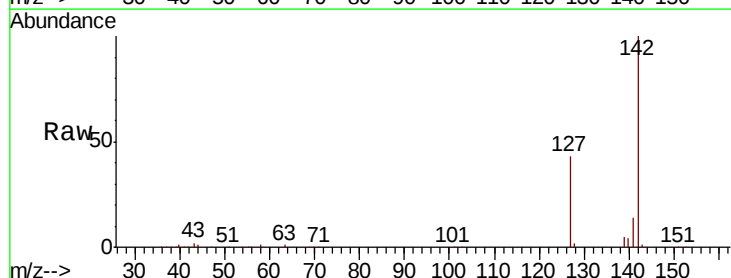
Tgt Ion:142 Resp: 190852

Ion Ratio Lower Upper

142 100

127 43.8 35.0 52.6

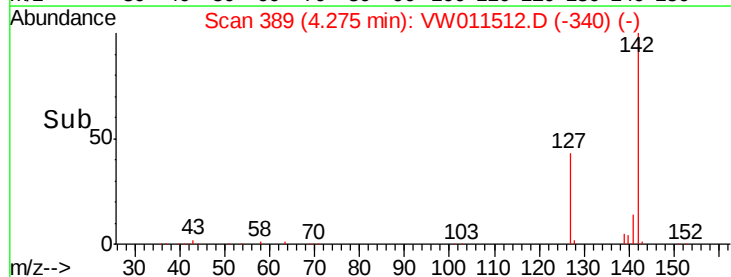
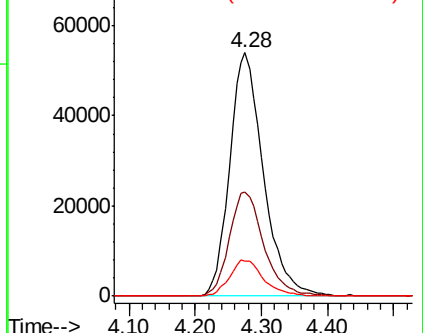
141 14.9 11.9 17.9

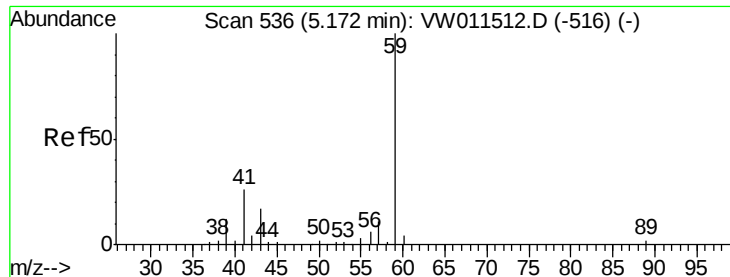


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

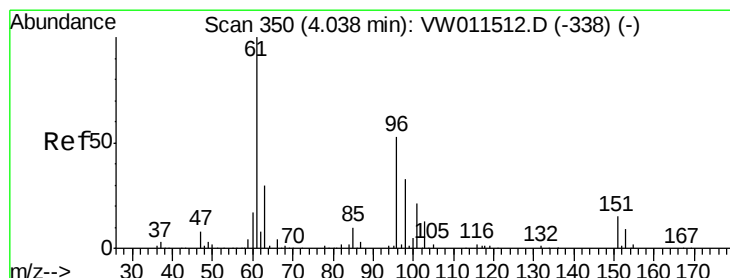
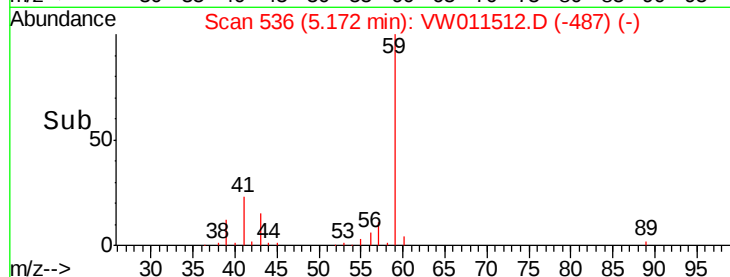
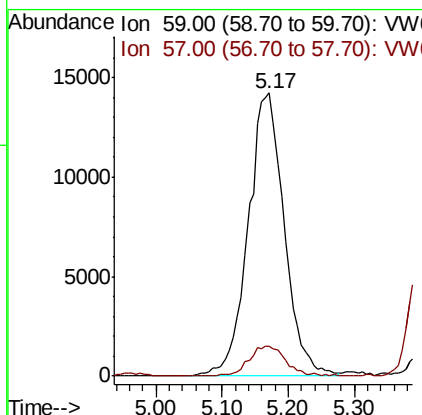
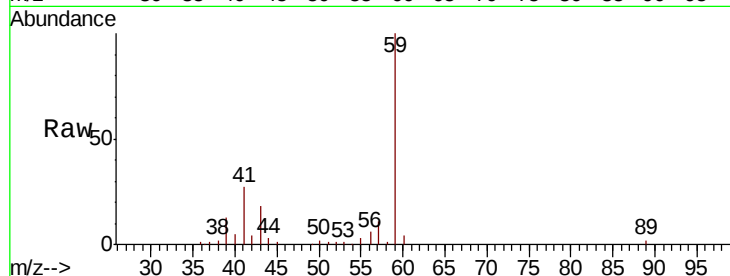




#11
Tert butyl alcohol
Concen: 223.501 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

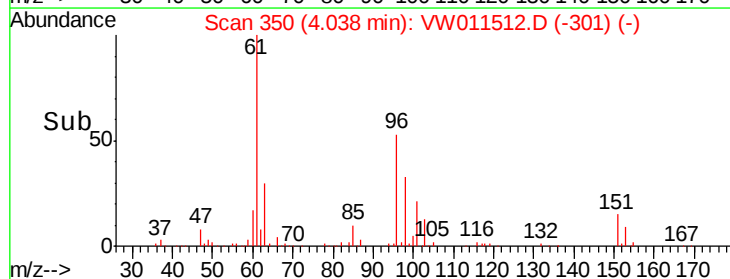
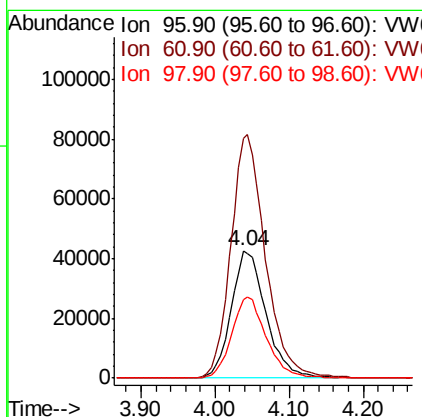
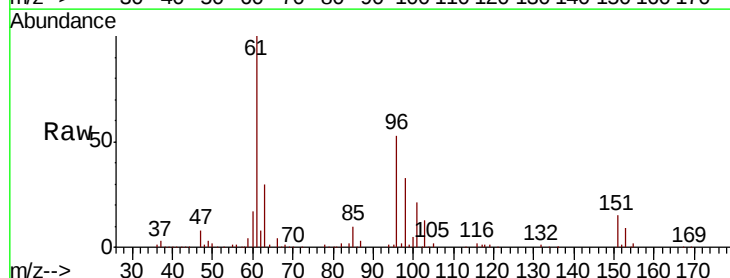
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

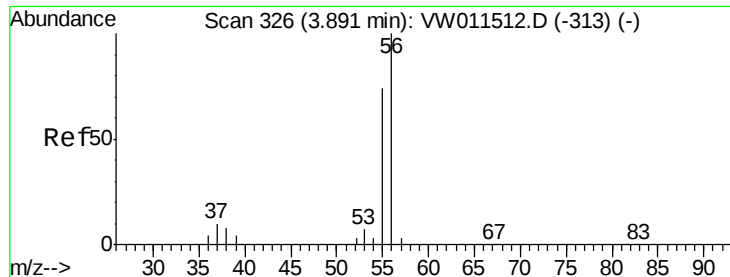
Tot Ion: 59 Resp: 54013
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#12
1,1-Dichloroethene
Concen: 53.330 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 96 Resp: 139236
Ion Ratio Lower Upper
96 100
61 187.4 149.9 224.9
98 61.4 49.1 73.7

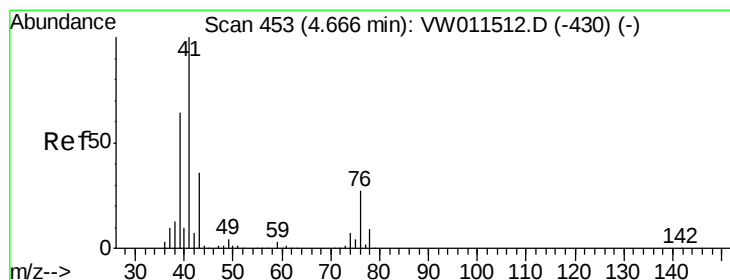
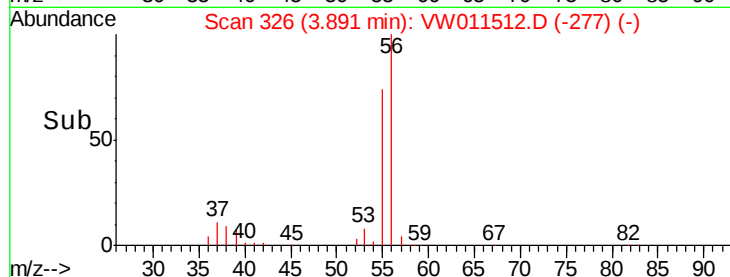
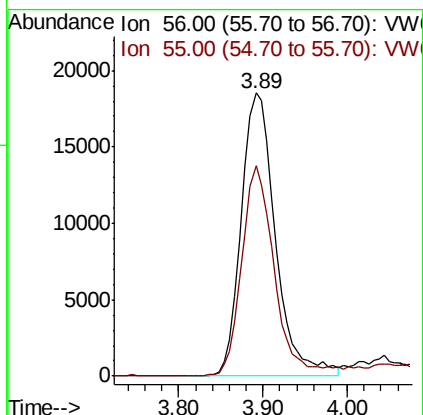
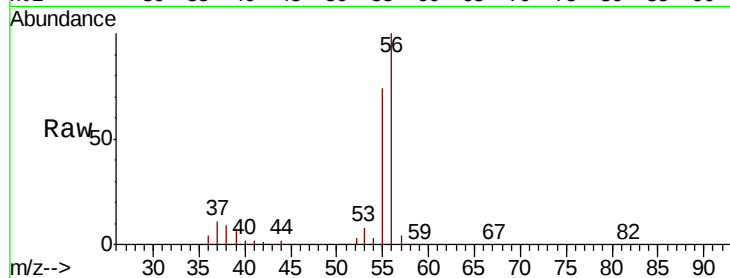




#13
 Acrolein
 Concen: 246.965 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

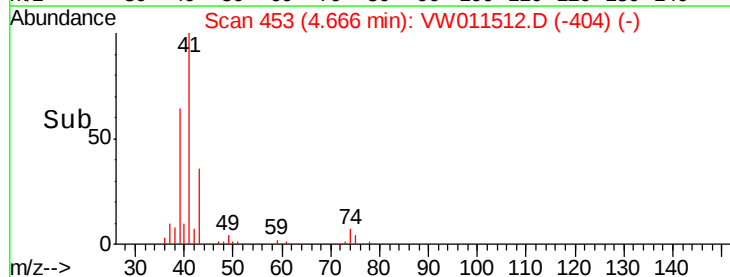
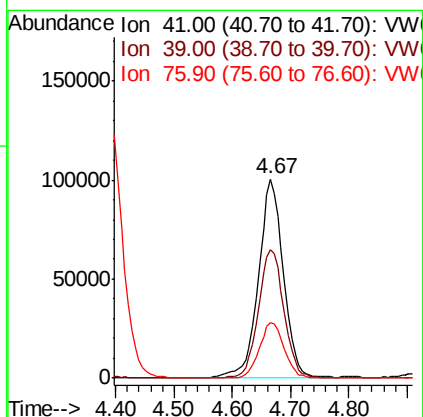
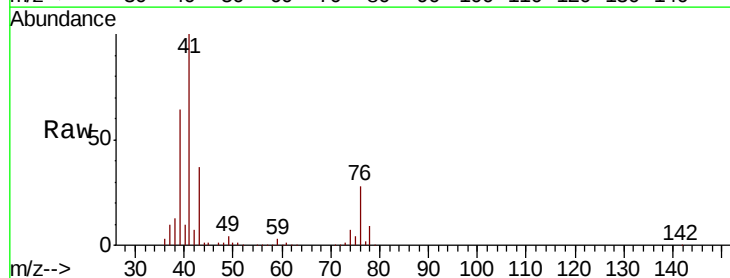
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

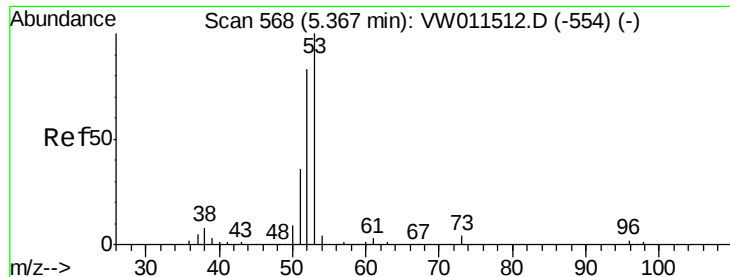
Tot Ion: 56 Resp: 51011
 Ion Ratio Lower Upper
 56 100
 55 70.0 56.0 84.0



#14
 Allyl chloride
 Concen: 53.715 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion: 41 Resp: 298281
 Ion Ratio Lower Upper
 41 100
 39 65.7 52.6 78.8
 76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 269.714 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

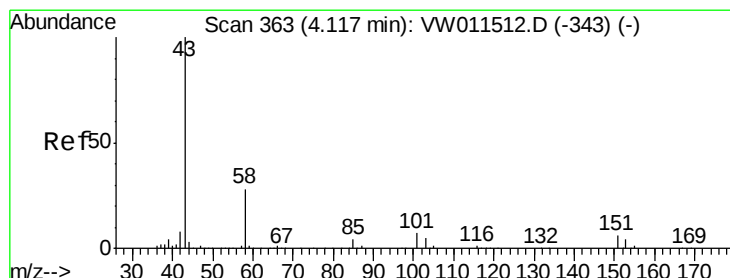
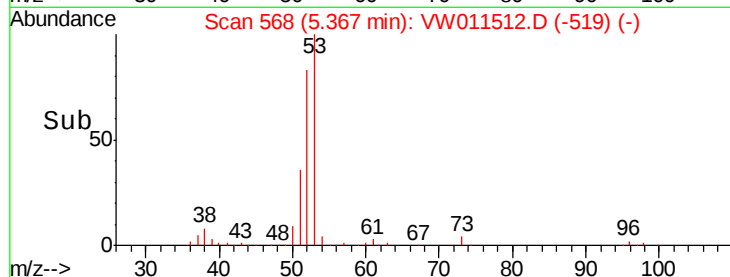
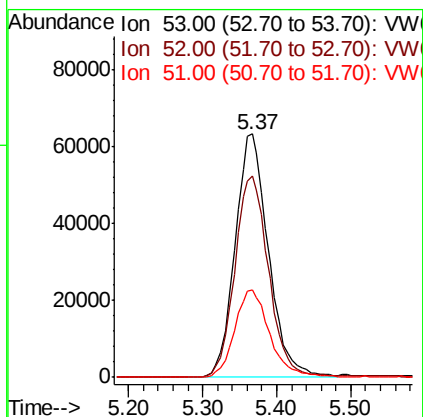
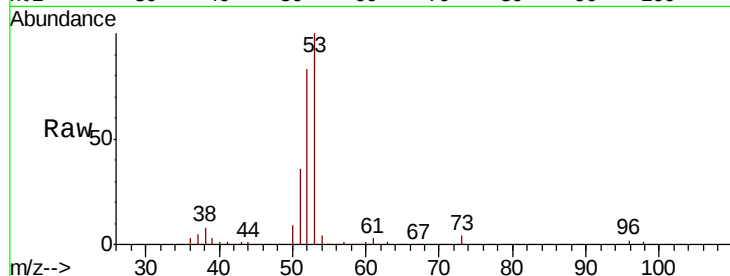
Tot Ion: 53 Resp: 198989

Ion Ratio Lower Upper

53 100

52 84.0 67.2 100.8

51 37.5 30.0 45.0



#16

Acetone

Concen: 266.323 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011512.D

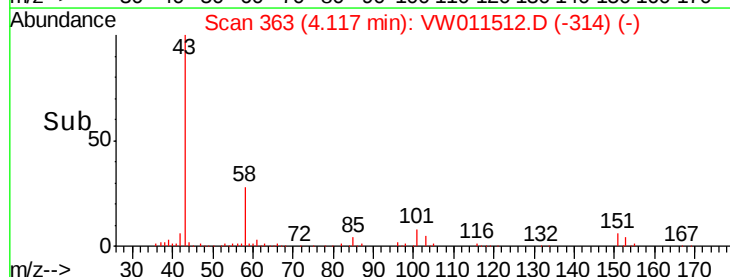
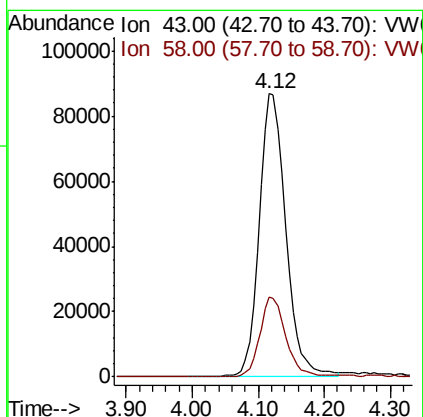
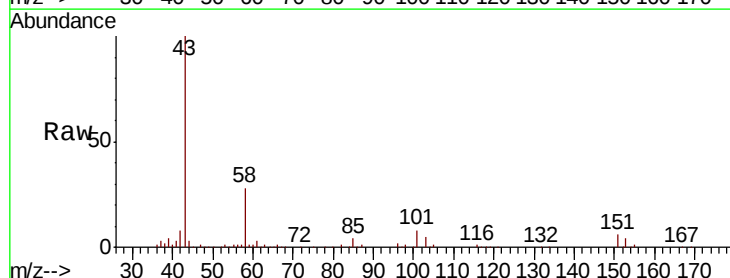
Acq: 26 Jul 2019 12:50

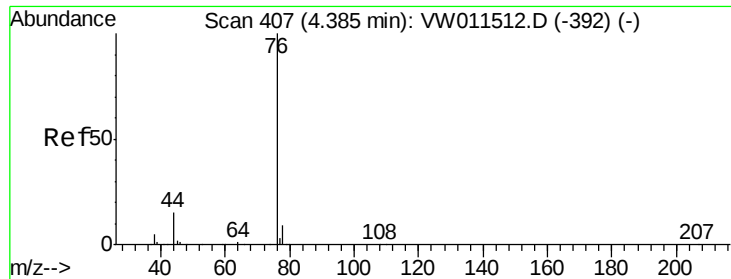
Tgt Ion: 43 Resp: 243869

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5

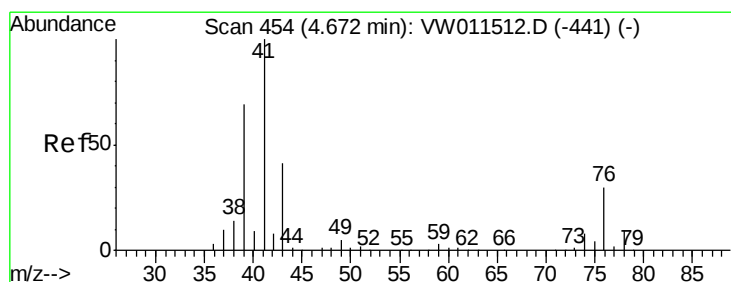
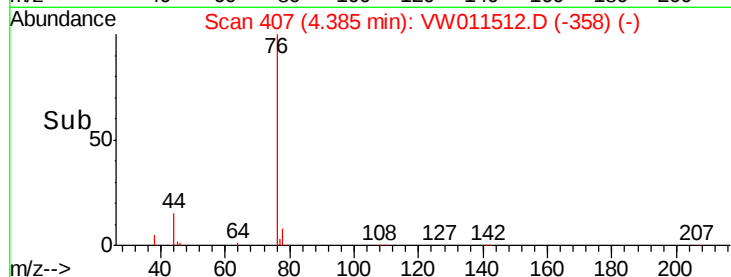
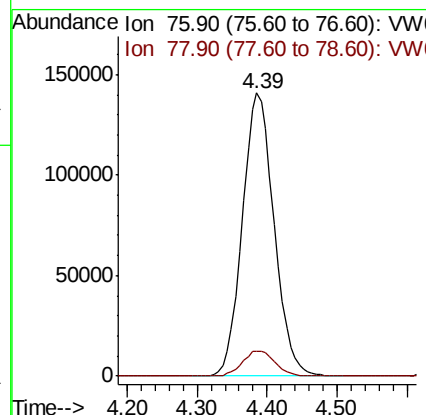
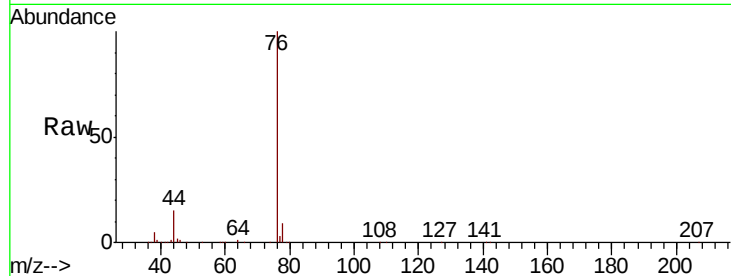




#17
Carbon Disulfide
Concen: 54.211 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

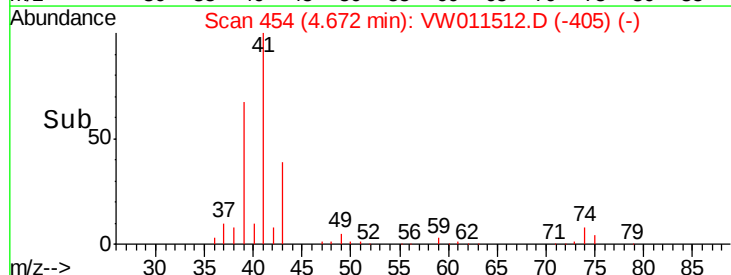
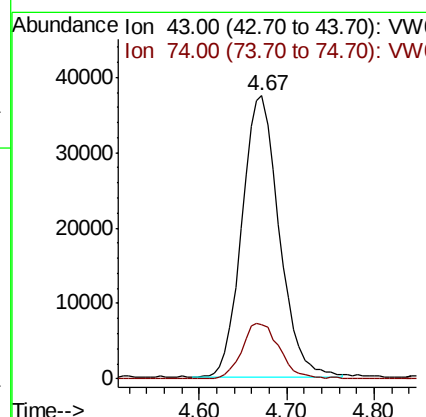
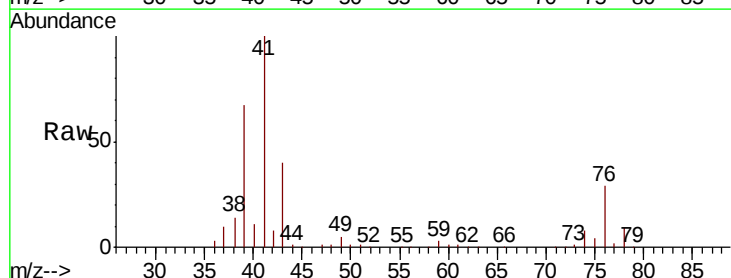
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

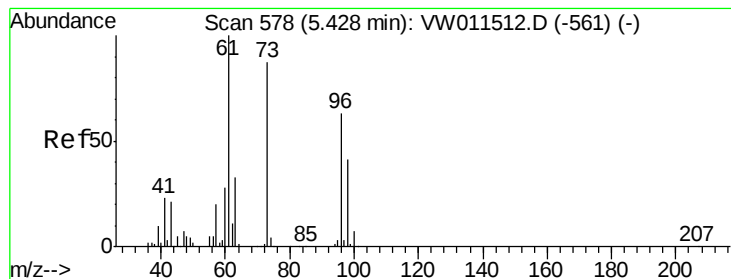
Tot Ion: 76 Resp: 442990
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 53.893 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 43 Resp: 110862
Ion Ratio Lower Upper
43 100
74 19.9 15.9 23.9



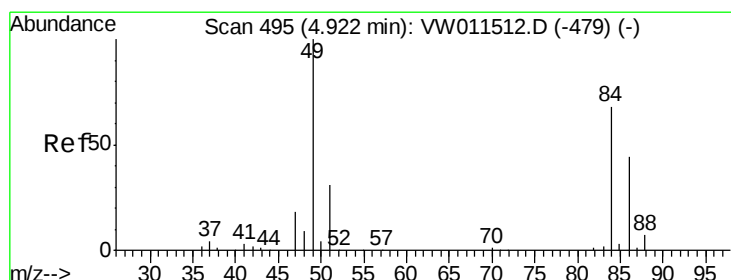
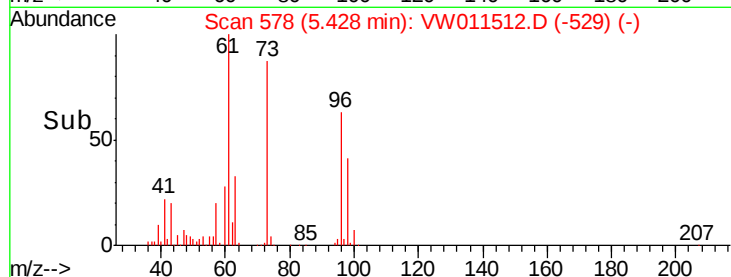
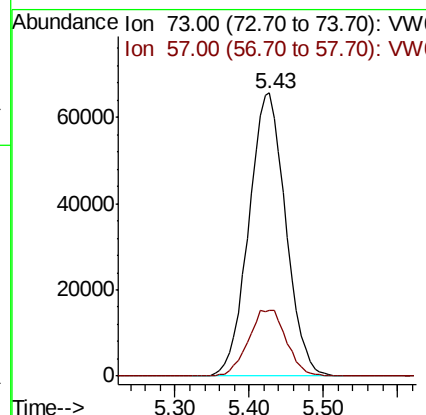
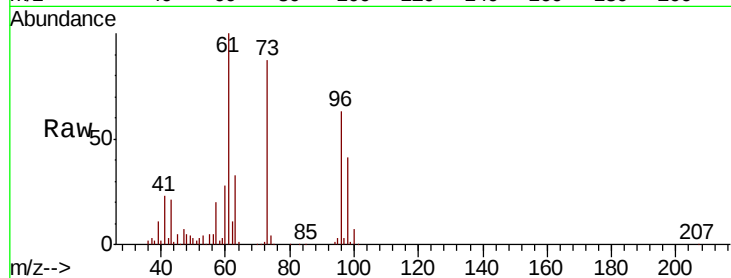


#19

Methyl tert-butyl Ether
 Concen: 54.920 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

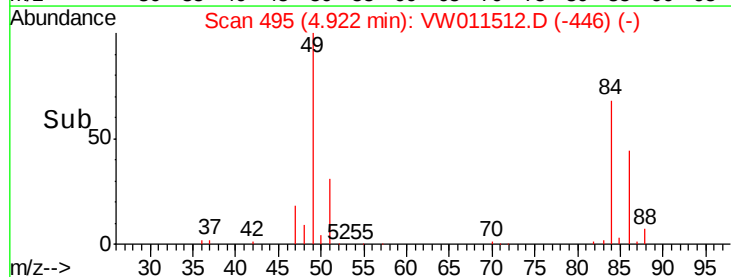
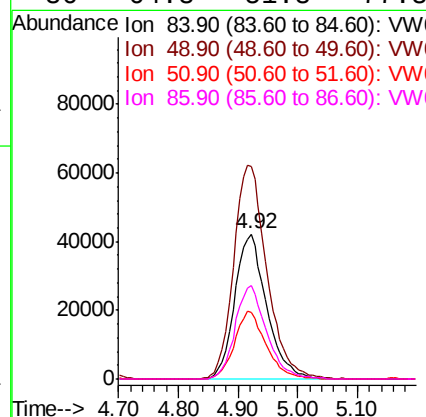
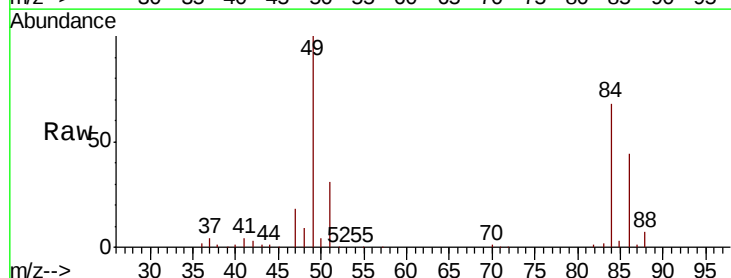
Tot Ion: 73 Resp: 227538
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.4 27.6

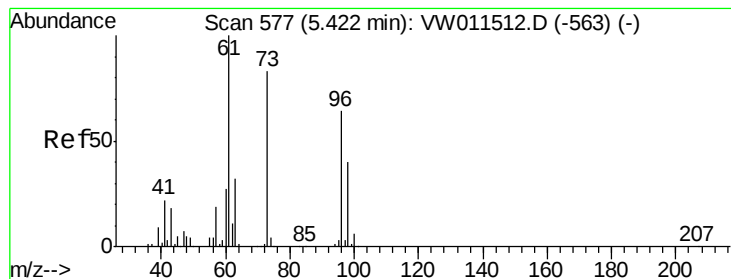


#20

Methylene Chloride
 Concen: 49.753 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion: 84 Resp: 157123
 Ion Ratio Lower Upper
 84 100
 49 147.2 117.8 176.6
 51 46.2 37.0 55.4
 86 64.8 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 52.695 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

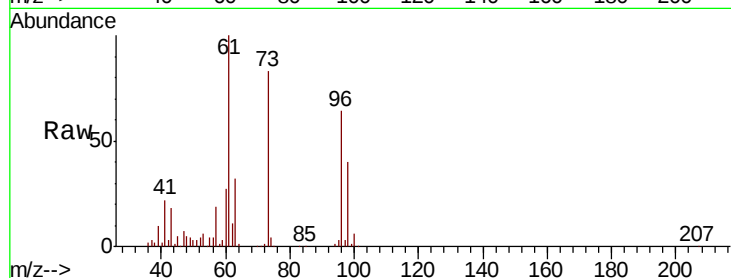
Tot Ion: 96 Resp: 148325

Ion Ratio Lower Upper

96 100

61 157.1 125.7 188.5

98 62.9 50.3 75.5

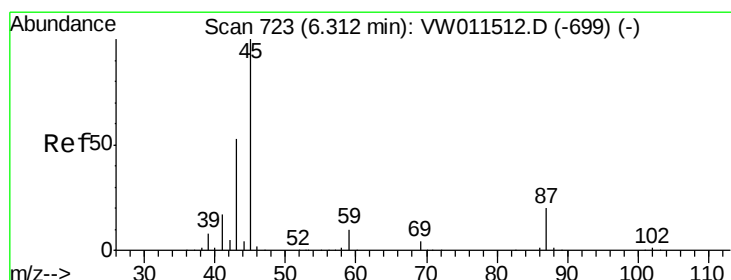
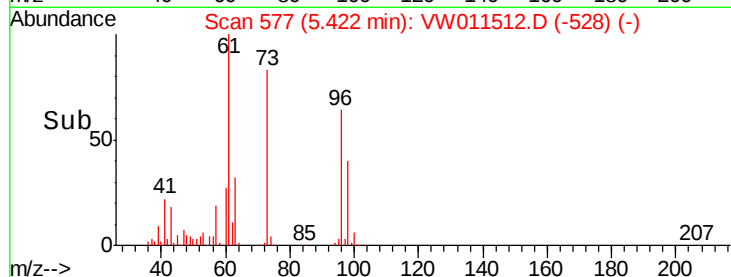
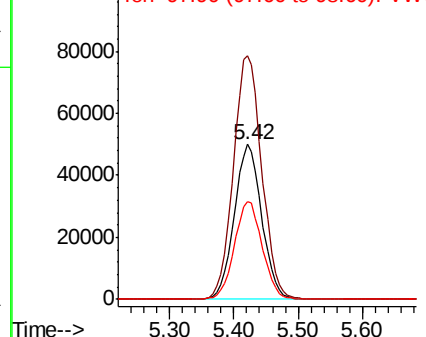


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 53.477 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion: 45 Resp: 559879

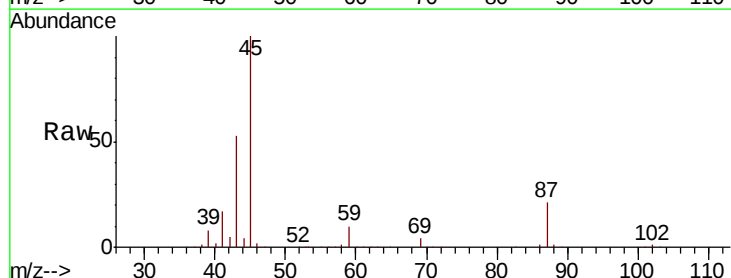
Ion Ratio Lower Upper

45 100

43 53.2 42.6 63.8

87 20.5 16.4 24.6

59 10.2 8.2 12.2



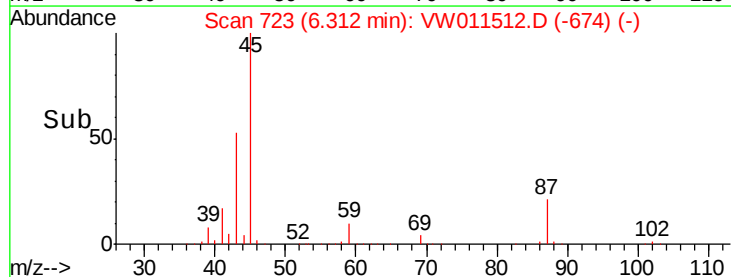
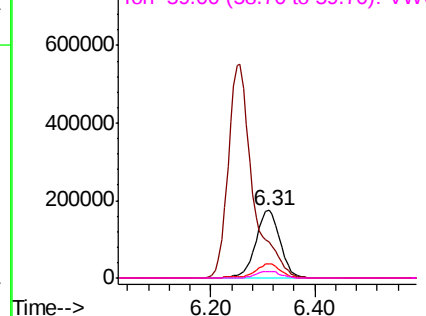
Abundance

Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 274.947 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

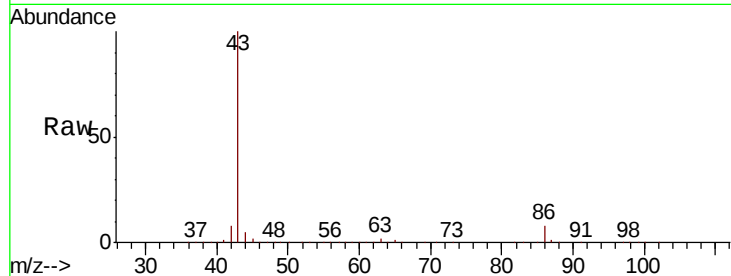
VSTDICCC050

Tot Ion: 43 Resp: 1808755

Ion Ratio Lower Upper

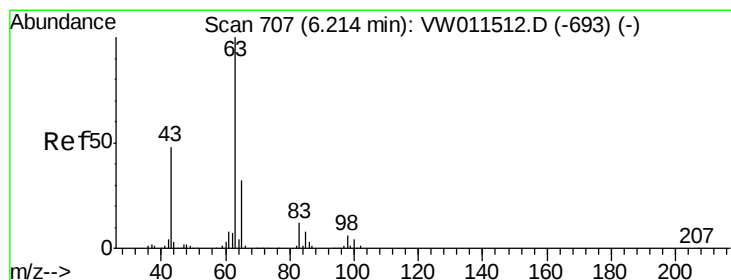
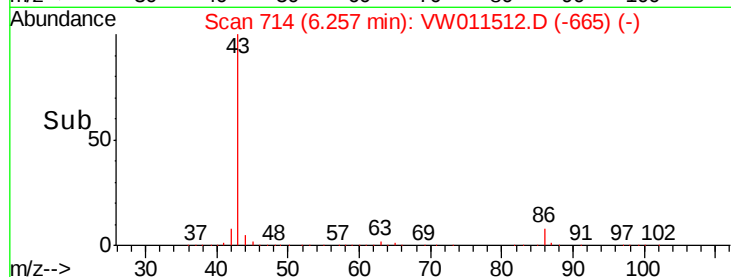
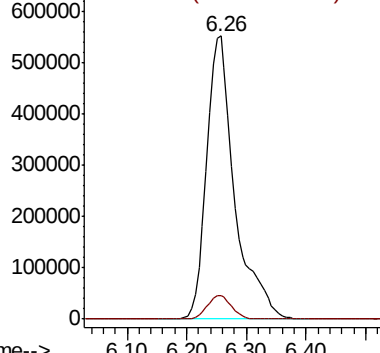
43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.295 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

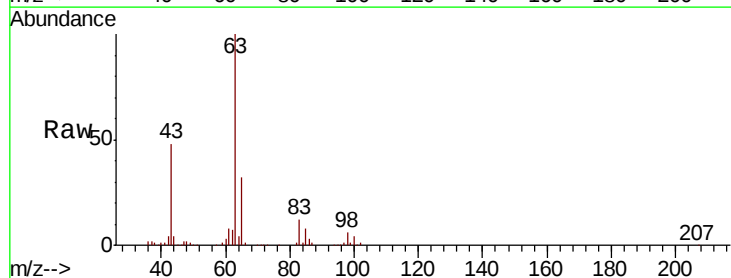
Tgt Ion: 63 Resp: 298830

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

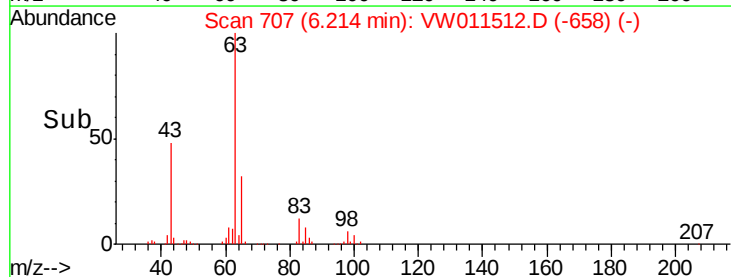
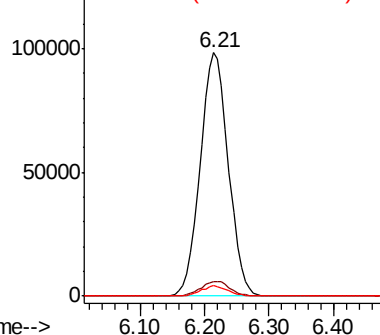
100 4.2 2.1 6.3

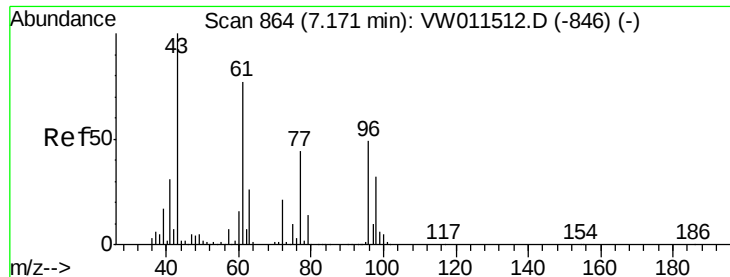


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 276.207 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

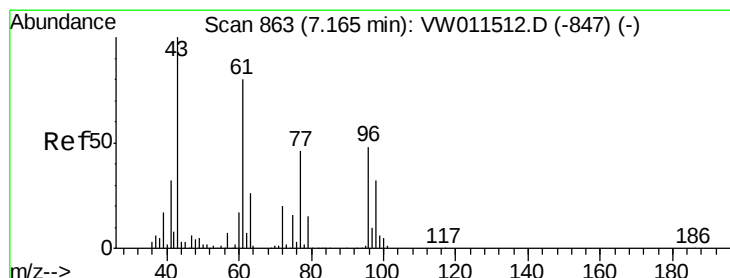
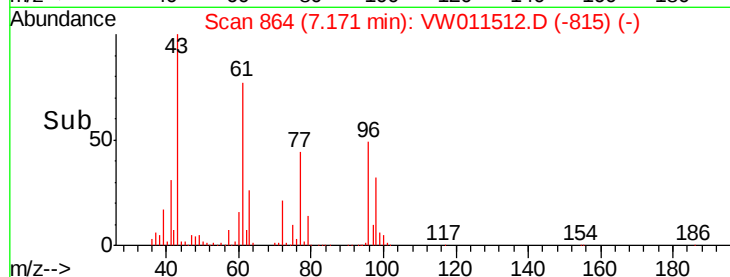
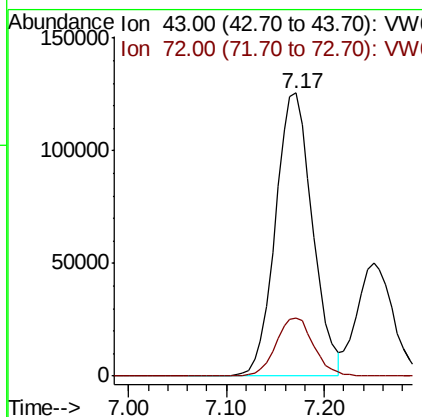
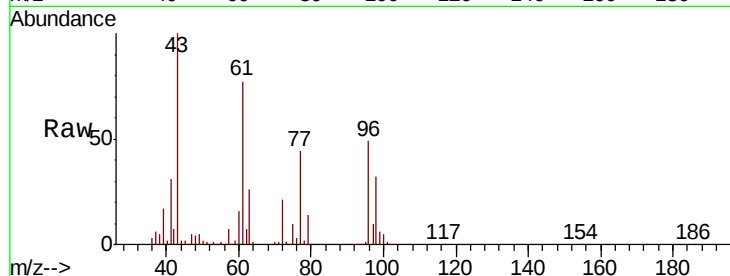
VSTDICCC050

Tot Ion: 43 Resp: 330953

Ion Ratio Lower Upper

43 100

72 20.7 16.6 24.8



#26

2,2-Dichloropropane

Concen: 49.511 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011512.D

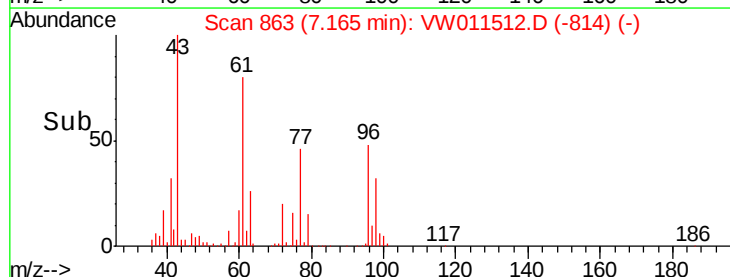
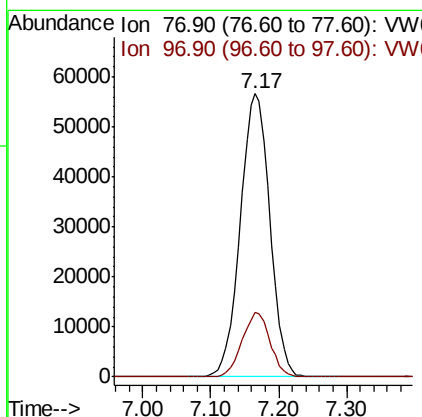
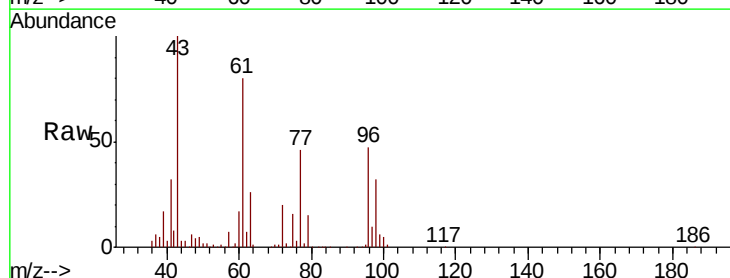
Acq: 26 Jul 2019 12:50

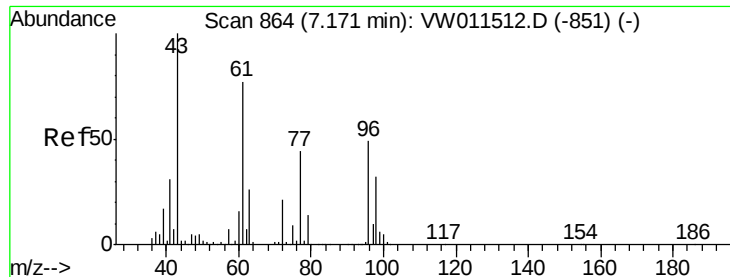
Tgt Ion: 77 Resp: 170729

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.4



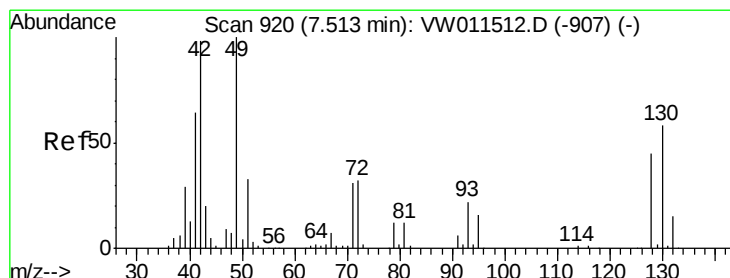
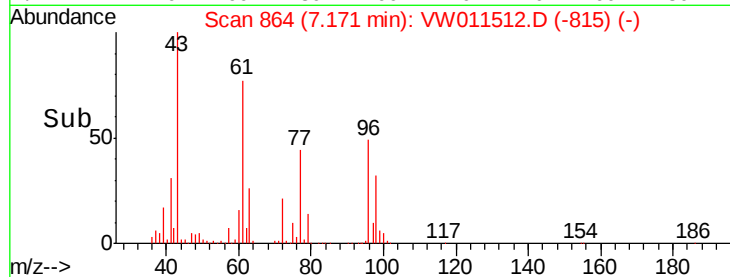
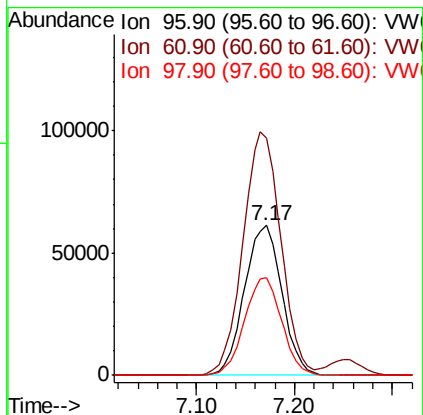
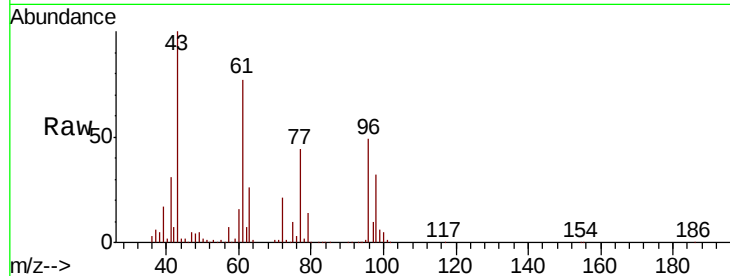


#27

cis-1,2-Dichloroethene
Concen: 52.753 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

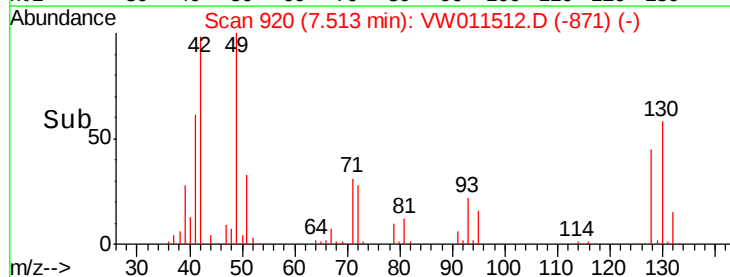
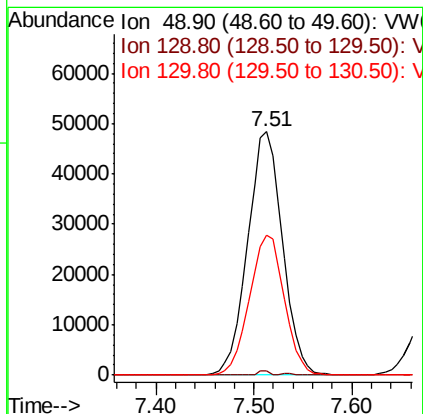
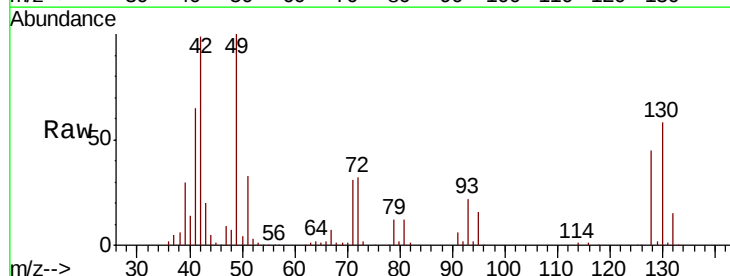
Tot Ion	96	Resp	163425
Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	328.4
98	64.4	0.0	128.8

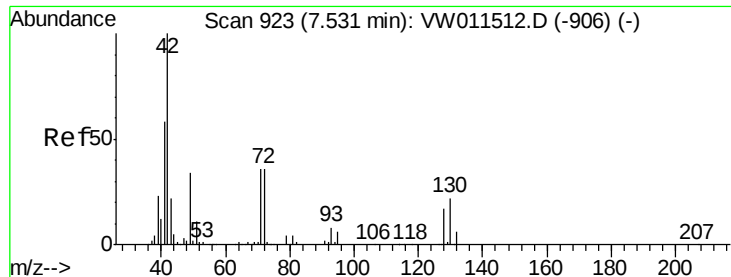


#28

Bromochloromethane
Concen: 48.352 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	49	Resp	120337
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.0
130	57.9	46.3	69.5

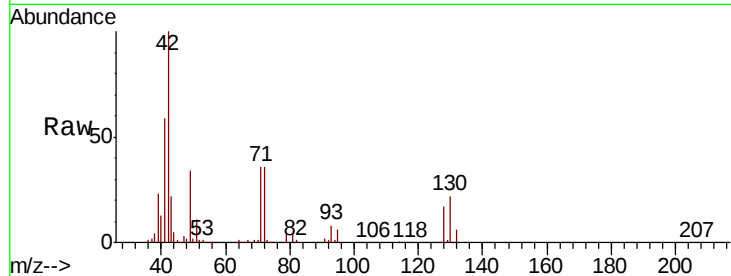




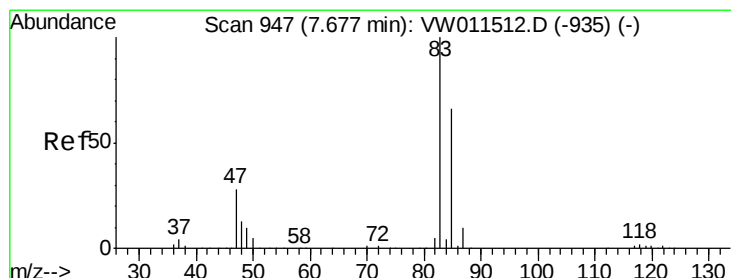
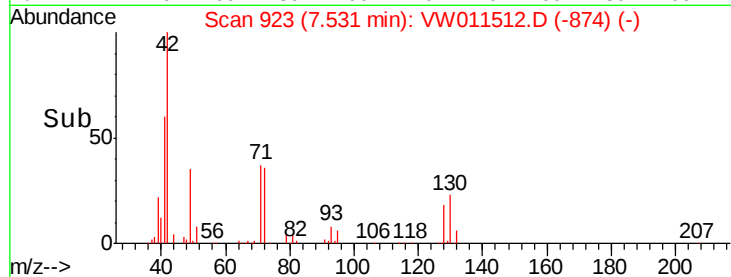
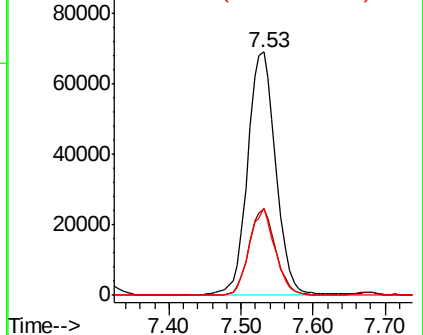
#29
Tetrahydrofuran
Concen: 273.150 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 42 Resp: 187082
Ion Ratio Lower Upper
42 100
72 33.9 27.1 40.7
71 32.8 26.2 39.4

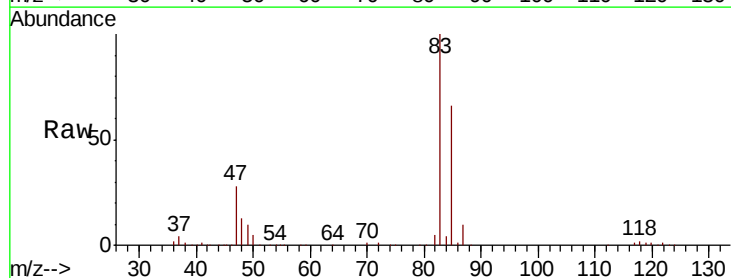


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

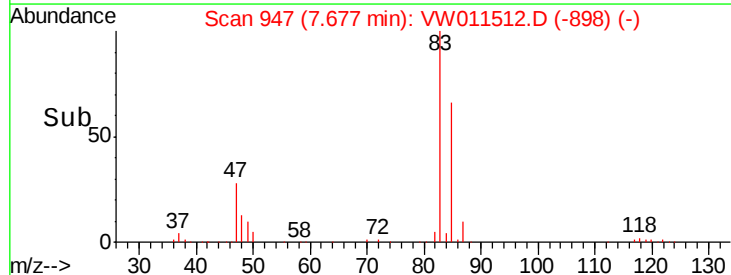
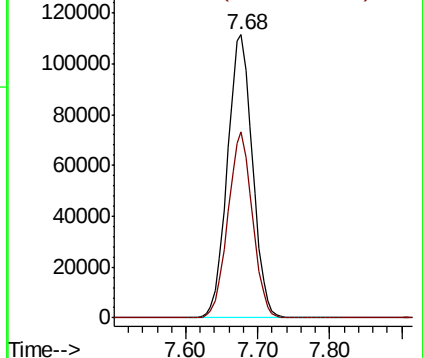


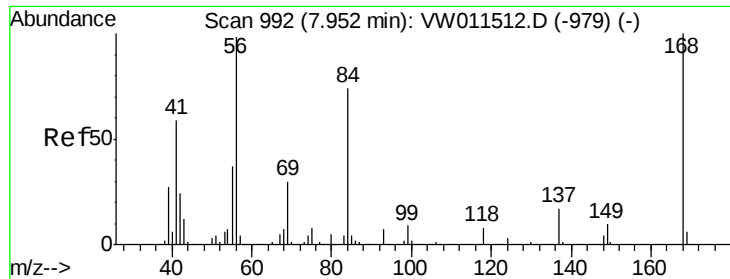
#30
Chloroform
Concen: 52.165 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 83 Resp: 269847
Ion Ratio Lower Upper
83 100
85 65.6 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

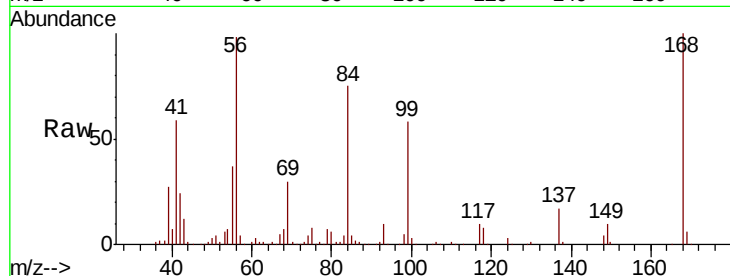




#31
Cyclohexane
Concen: 51.375 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.3	36.5
84	75.5	60.4	90.6

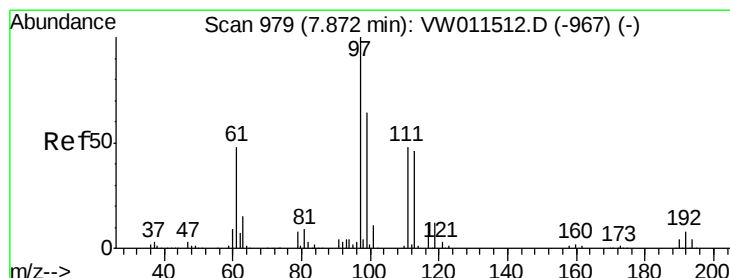
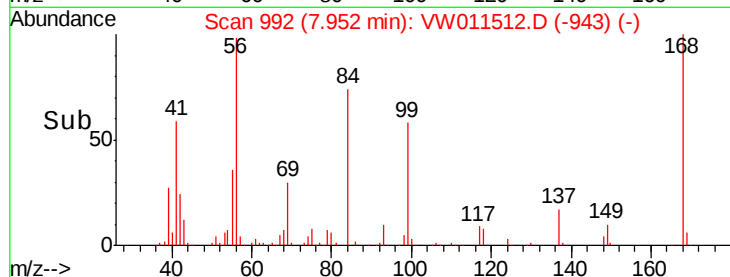
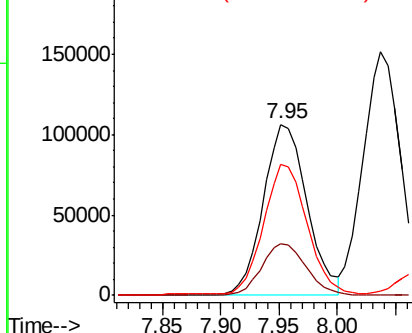


Abundance

Ion 56.00 (55.70 to 56.70): VW

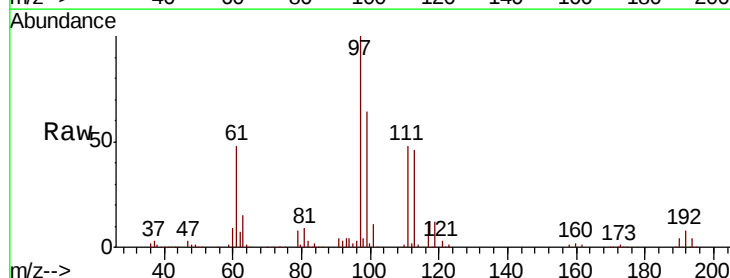
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 53.606 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	49.7	39.8	59.6

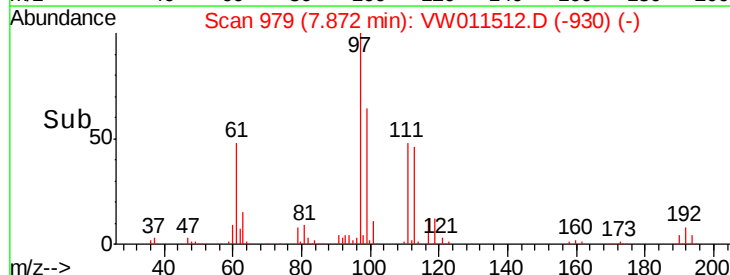
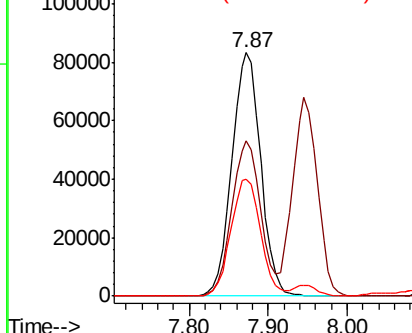


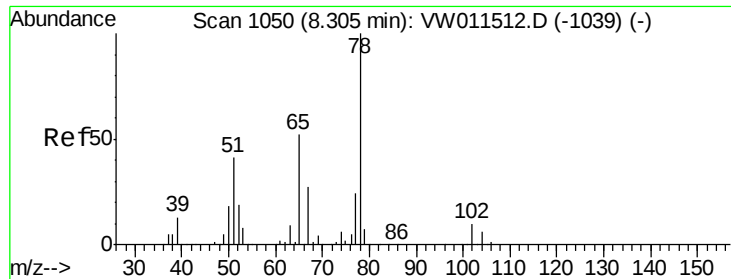
Abundance

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

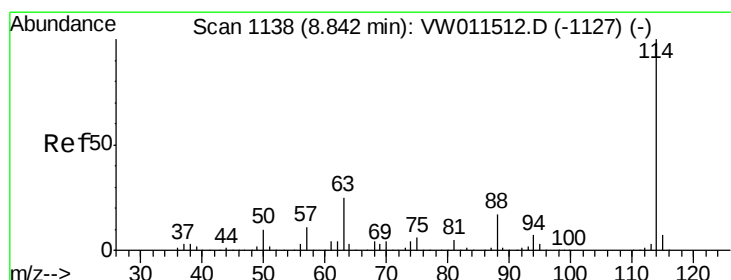
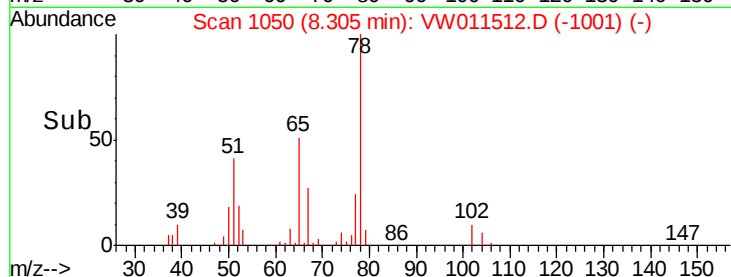
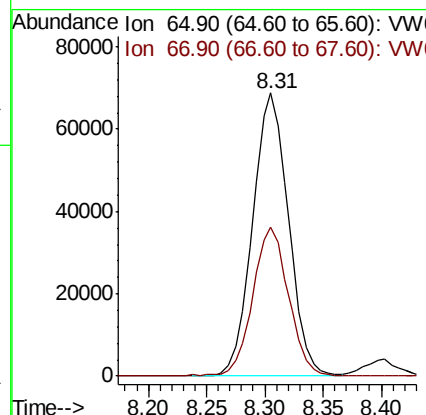
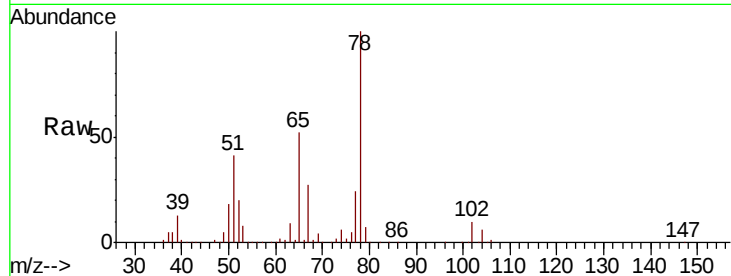




#33
 1,2-Dichloroethane-d4
 Concen: 51.367 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

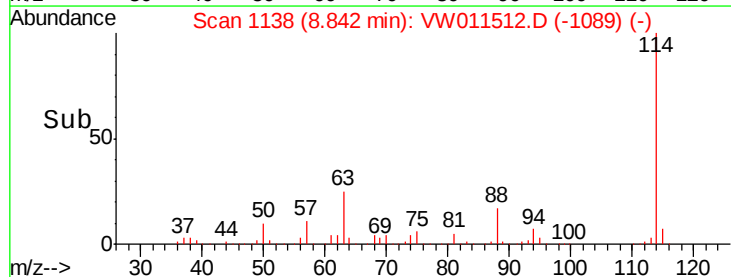
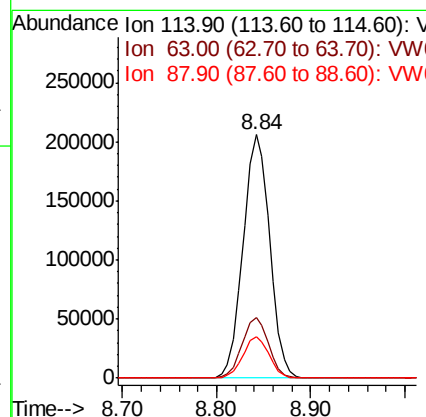
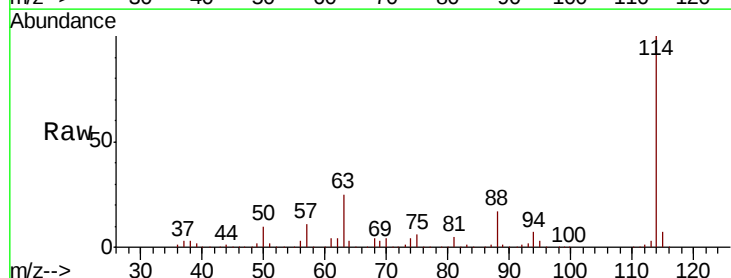
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

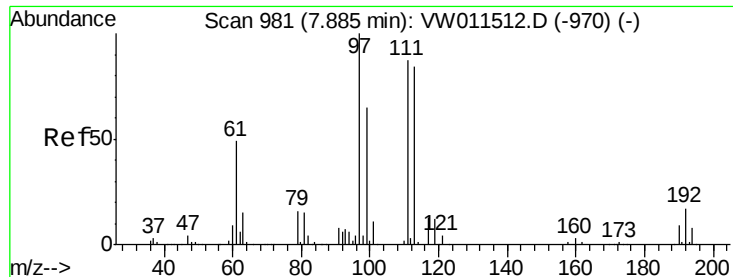
Tot Ion: 65 Resp: 147866
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion: 114 Resp: 406474
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.9 0.0 33.8

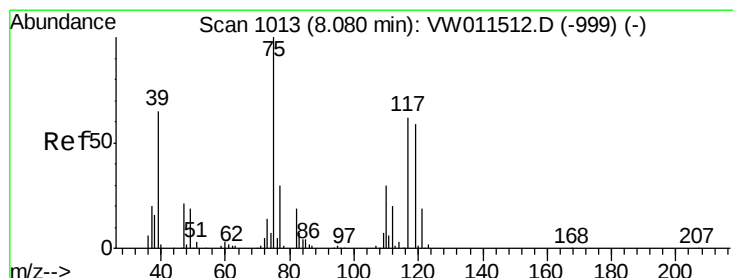
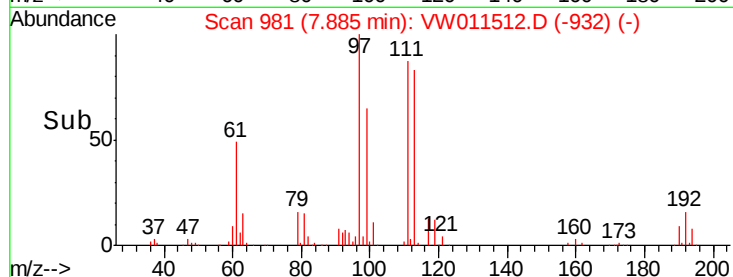
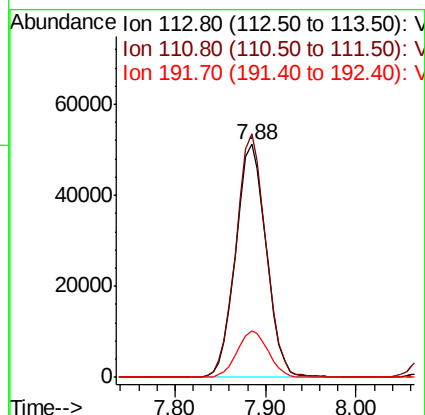
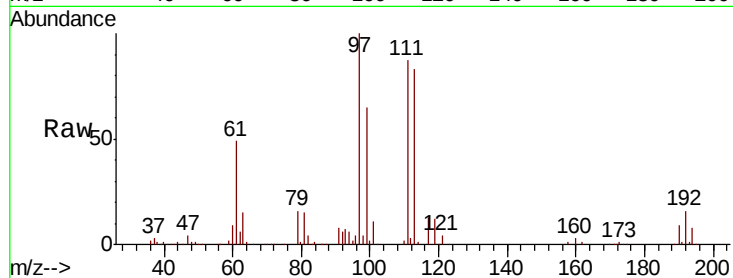




#35
 Dibromofluoromethane
 Concen: 52.420 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

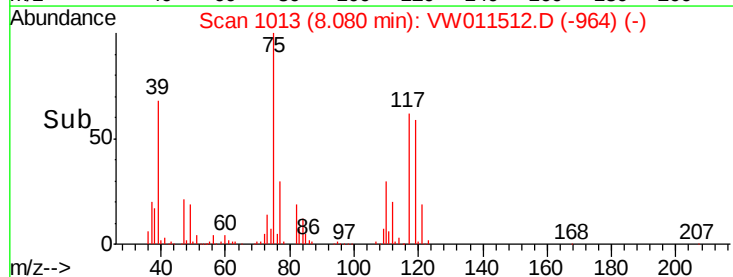
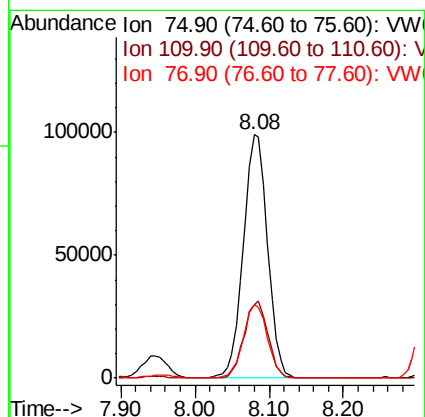
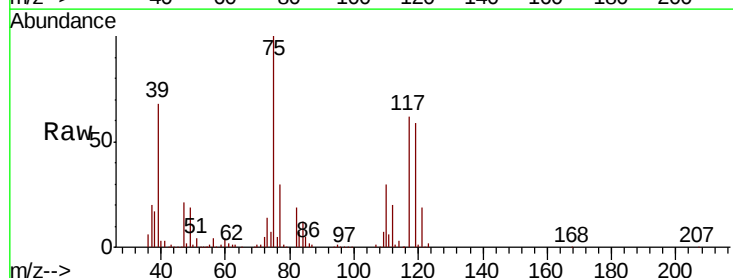
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

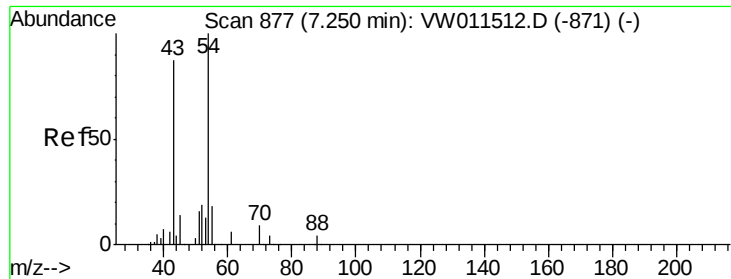
Tot Ion:113 Resp: 119538
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 20.1 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 53.642 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion: 75 Resp: 226724
 Ion Ratio Lower Upper
 75 100
 110 31.2 15.6 46.8
 77 30.4 24.3 36.5

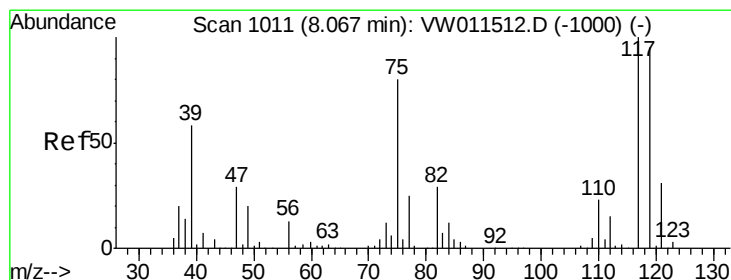
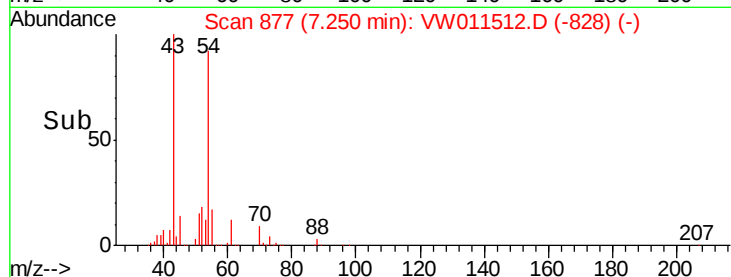
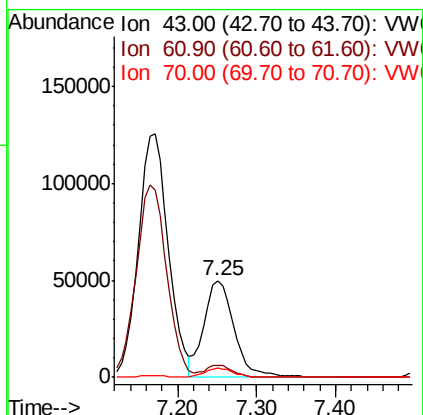
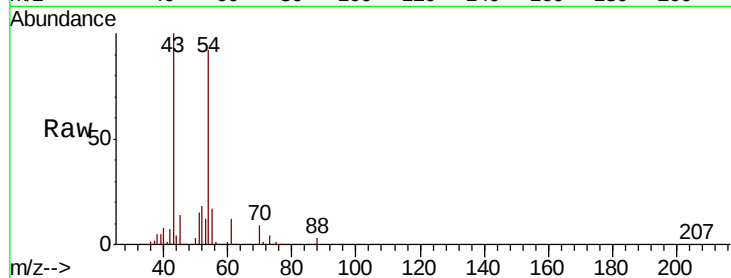




#37
Ethyl Acetate
Concen: 54.405 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

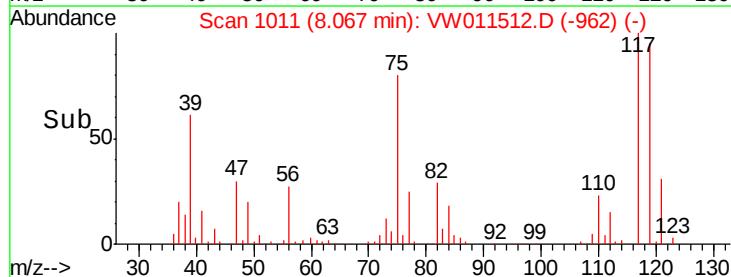
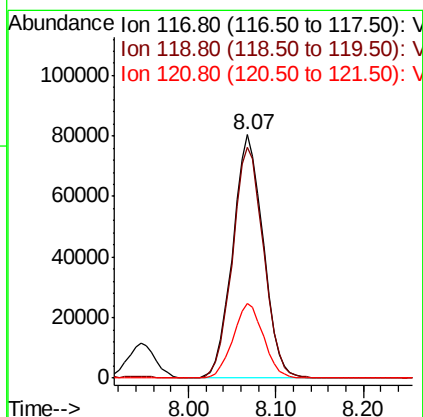
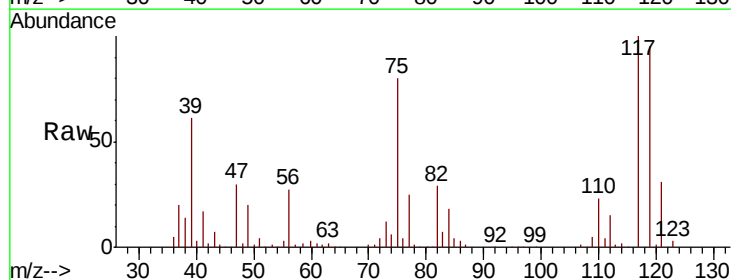
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

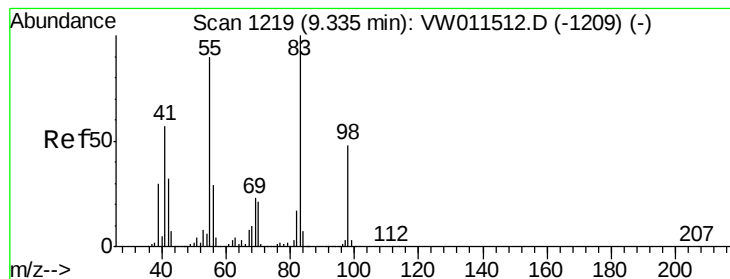
Tot Ion: 43 Resp: 132294
Ion Ratio Lower Upper
43 100
61 11.0 8.8 13.2
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 53.964 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 117 Resp: 195254
Ion Ratio Lower Upper
117 100
119 94.7 75.8 113.6
121 30.9 24.7 37.1





#39

Methvlcvclohexane

Concen: 54.099 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

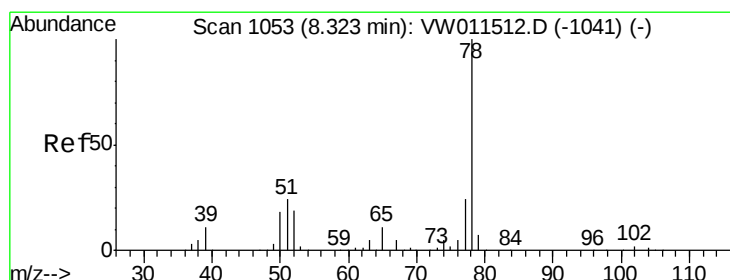
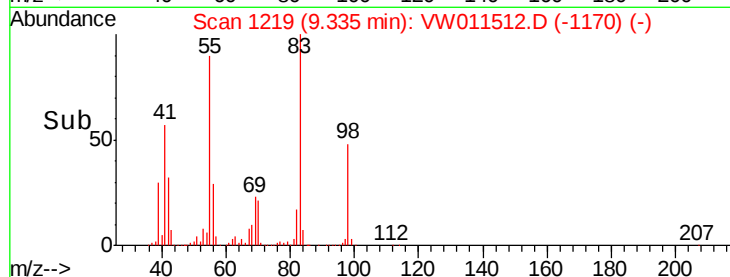
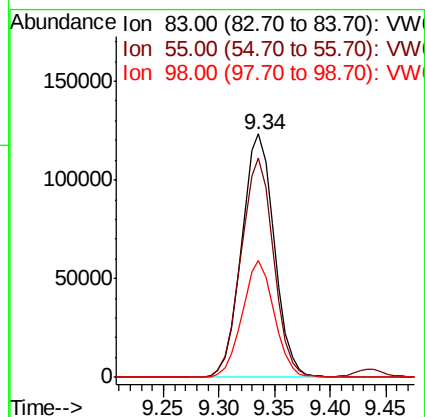
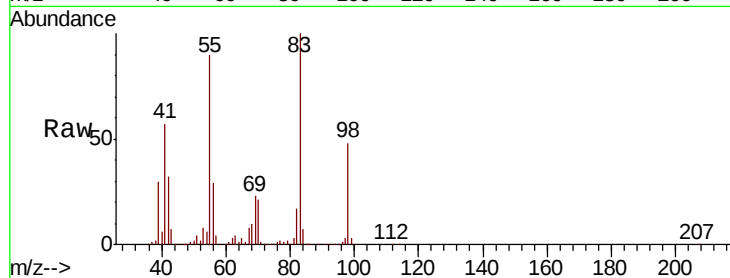
Tot Ion: 83 Resp: 251777

Ion Ratio Lower Upper

83 100

55 90.1 72.1 108.1

98 48.2 38.6 57.8



#40

Benzene

Concen: 52.817 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011512.D

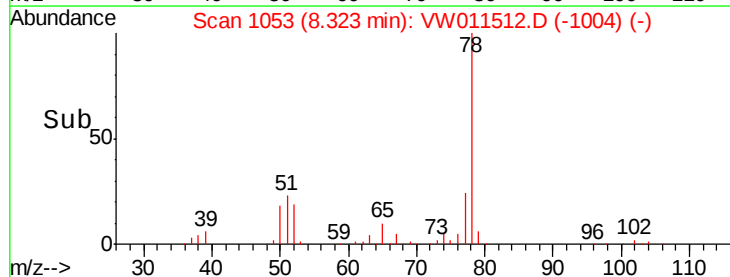
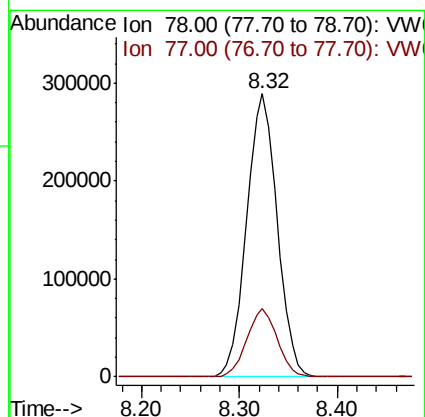
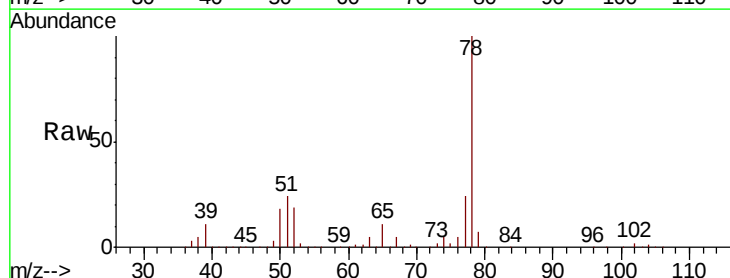
Acq: 26 Jul 2019 12:50

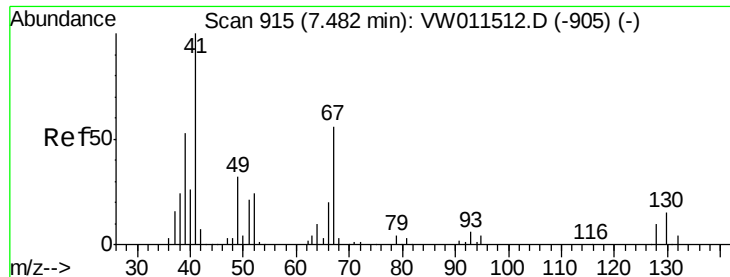
Tgt Ion: 78 Resp: 625296

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0





#41

Methacrylonitrile

Concen: 53.251 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 77405

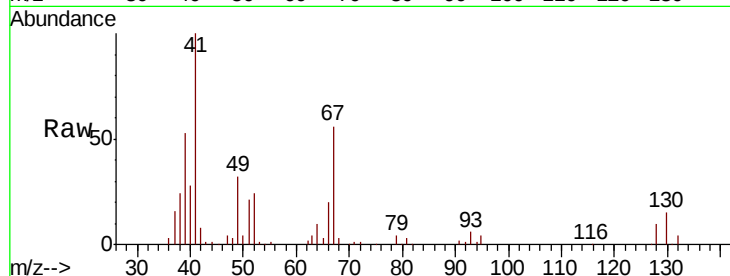
Ion Ratio Lower Upper

41 100

39 53.7 43.0 64.4

67 59.4 47.5 71.3

52 26.3 21.0 31.6



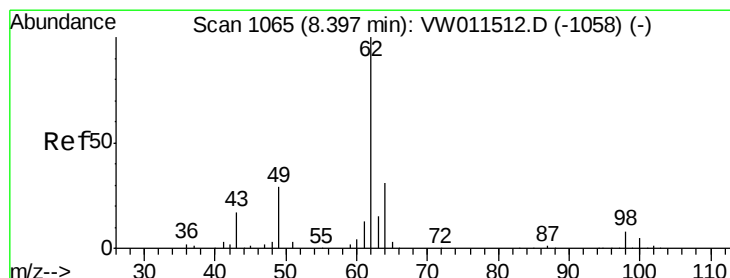
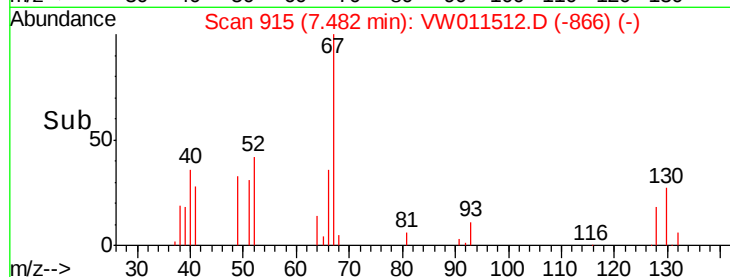
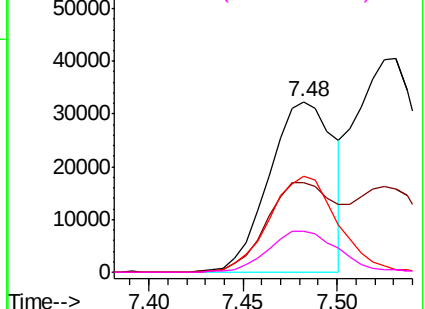
Abundance

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: 53.348 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011512.D

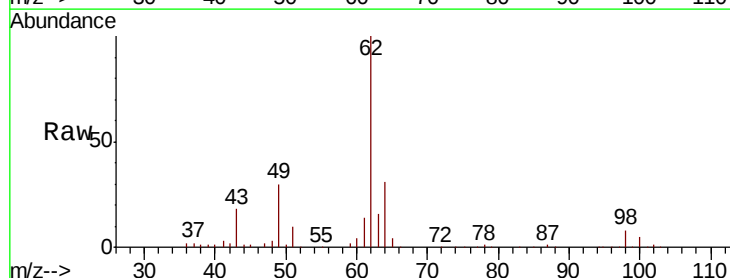
Acq: 26 Jul 2019 12:50

Tgt Ion: 62 Resp: 197739

Ion Ratio Lower Upper

62 100

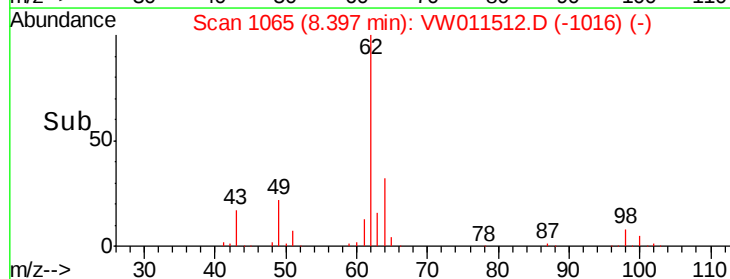
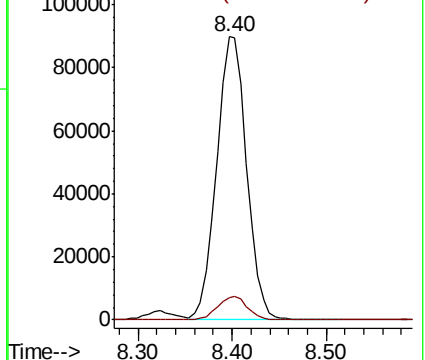
98 8.4 0.0 16.8

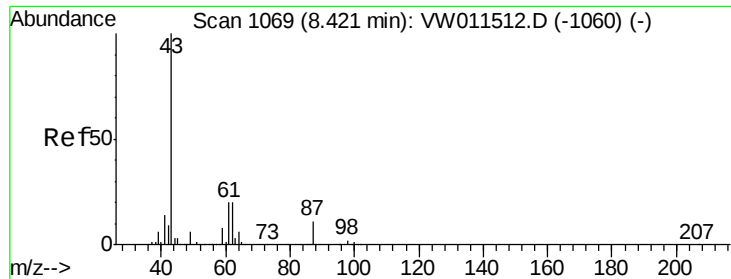


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.720 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

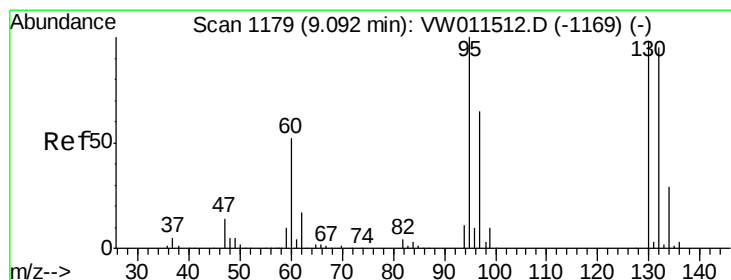
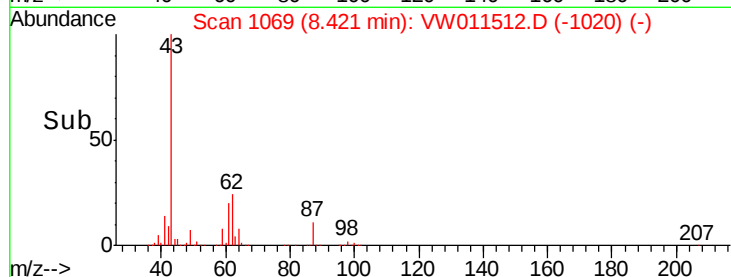
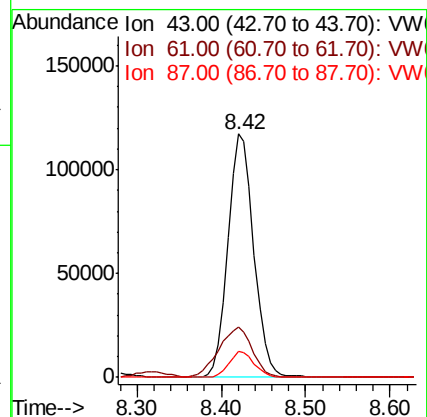
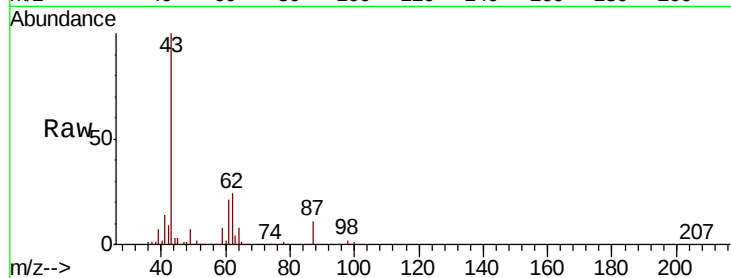
Tot Ion: 43 Resp: 244710

Ion Ratio Lower Upper

43 100

61 26.9 21.5 32.3

87 10.5 8.4 12.6



#44

Trichloroethene

Concen: 53.122 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011512.D

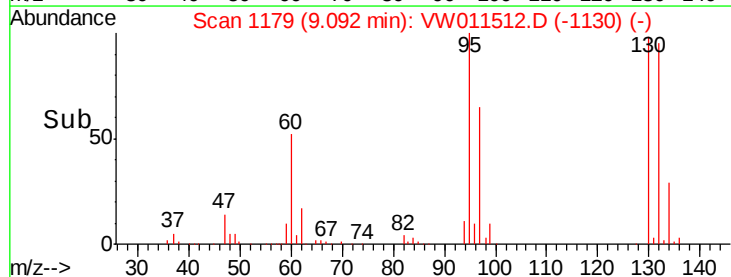
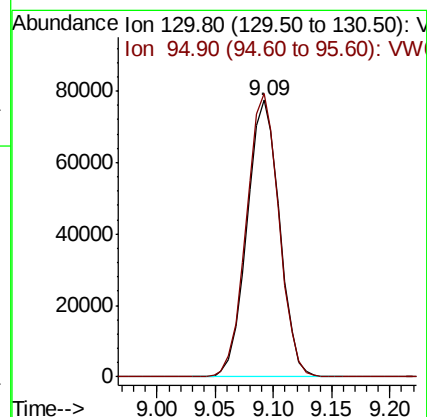
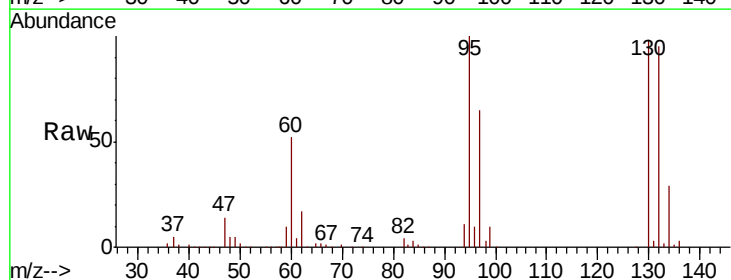
Acq: 26 Jul 2019 12:50

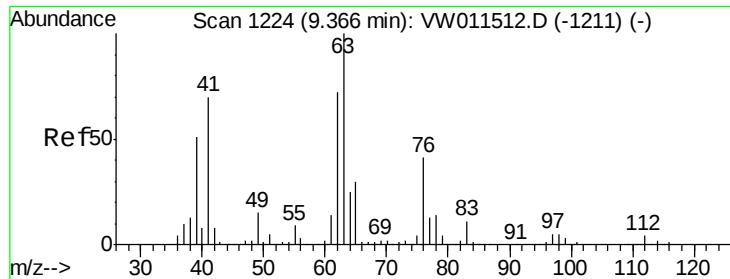
Tgt Ion: 130 Resp: 151155

Ion Ratio Lower Upper

130 100

95 102.4 0.0 204.8





#45

1,2-Dichloropropane

Concen: 53.649 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

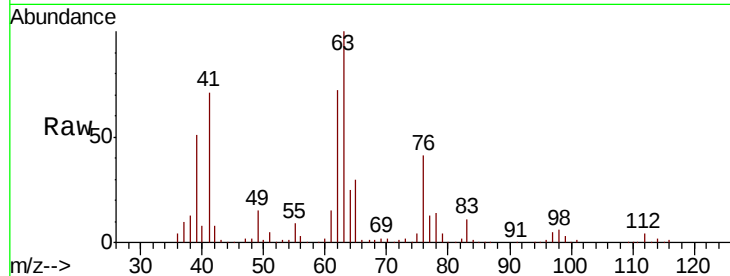
VSTDICCC050

Tot Ion: 63 Resp: 169944

Ion Ratio Lower Upper

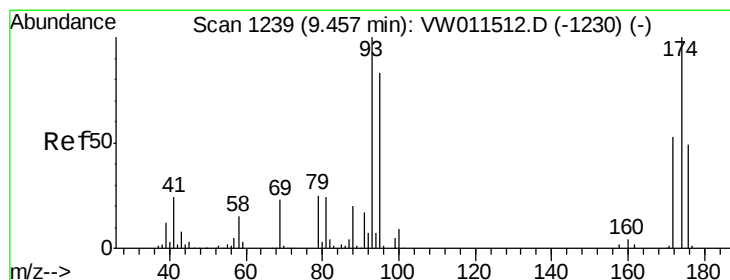
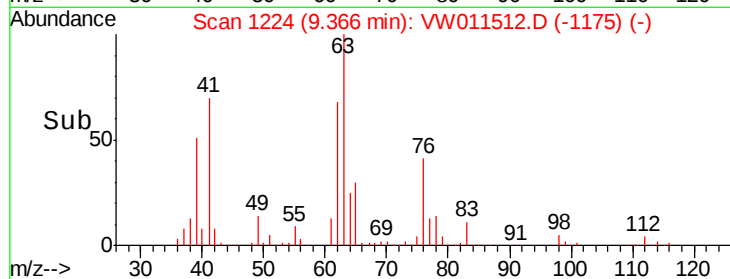
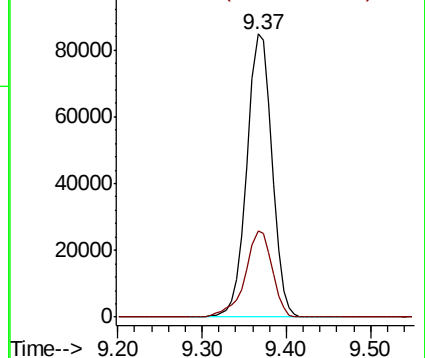
63 100

65 30.3 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 53.682 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

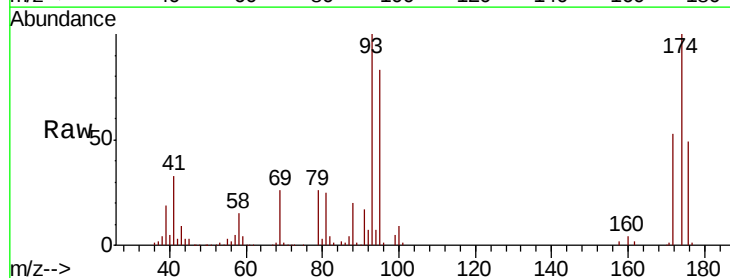
Tgt Ion: 93 Resp: 77613

Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.2

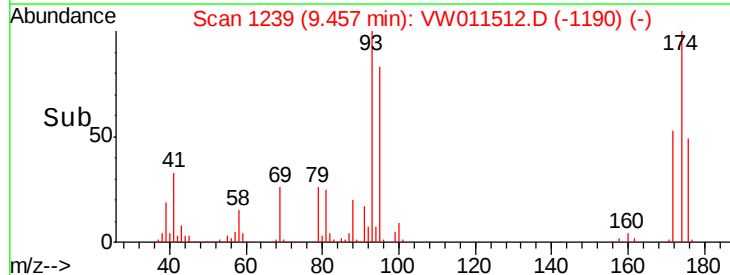
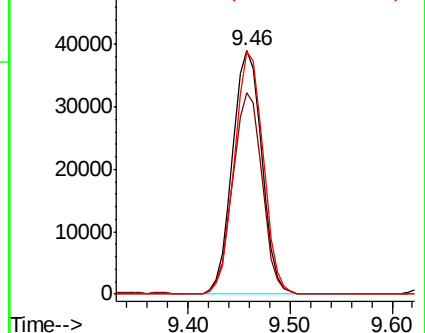
174 97.8 78.2 117.4

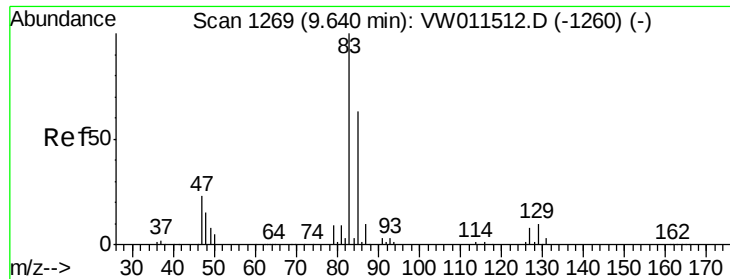


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.748 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

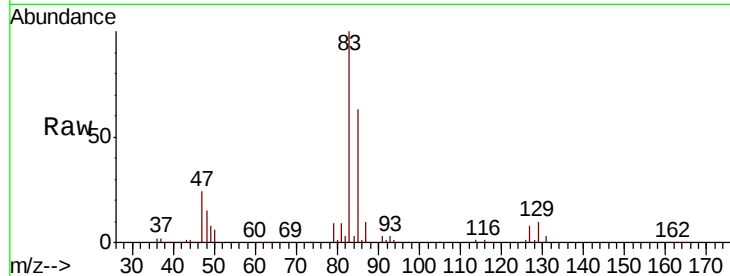
Tot Ion: 83 Resp: 203841

Ion Ratio Lower Upper

83 100

85 63.1 50.5 75.7

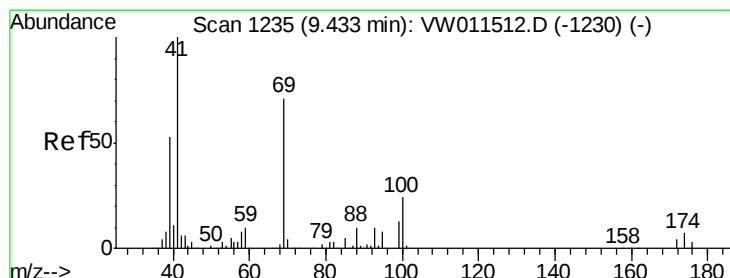
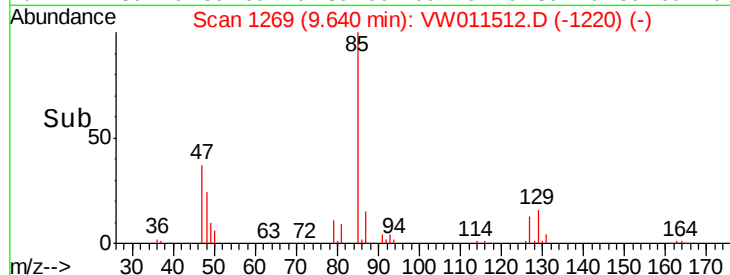
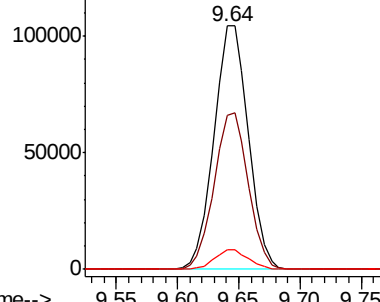
127 8.0 6.4 9.6



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: 55.783 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

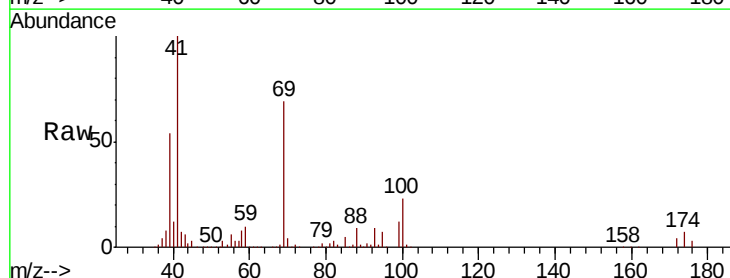
Tgt Ion: 41 Resp: 119832

Ion Ratio Lower Upper

41 100

69 71.4 57.1 85.7

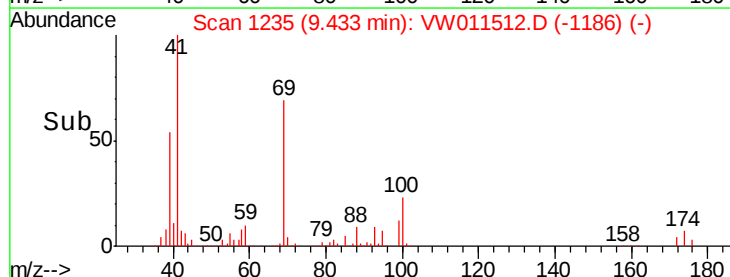
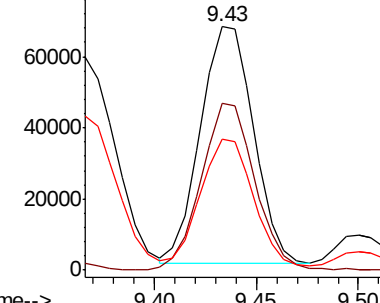
39 56.8 45.4 68.2

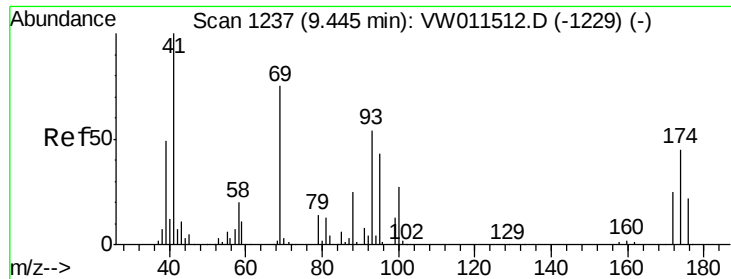


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1098.011 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

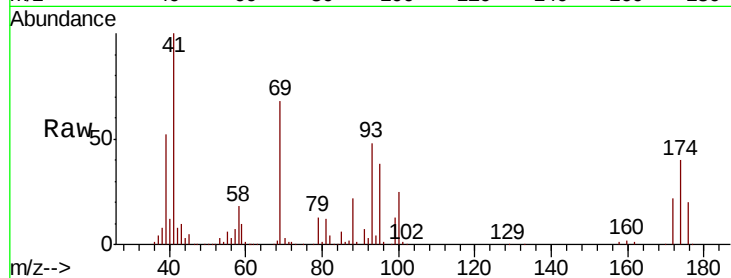
Tot Ion: 88 Resp: 22986

Ion Ratio Lower Upper

88 100

43 42.5 34.0 51.0

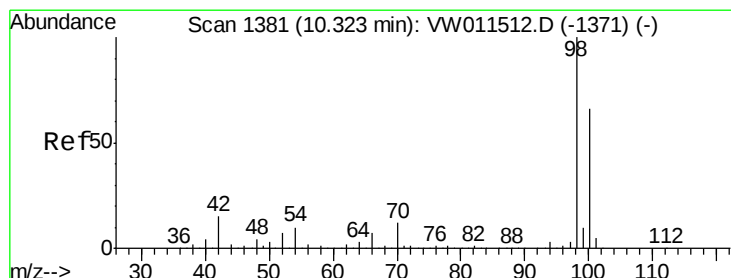
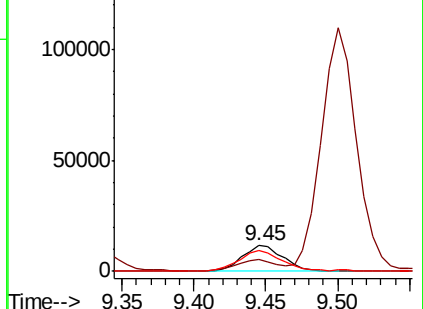
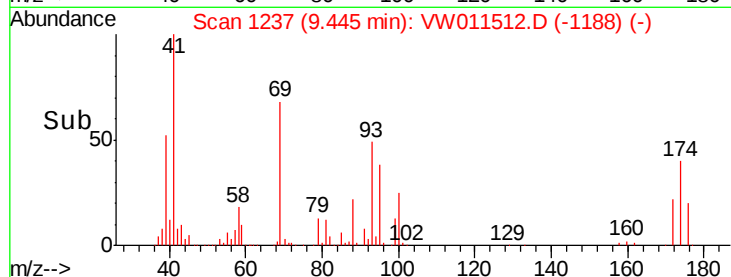
58 87.1 69.7 104.5



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: 52.063 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011512.D

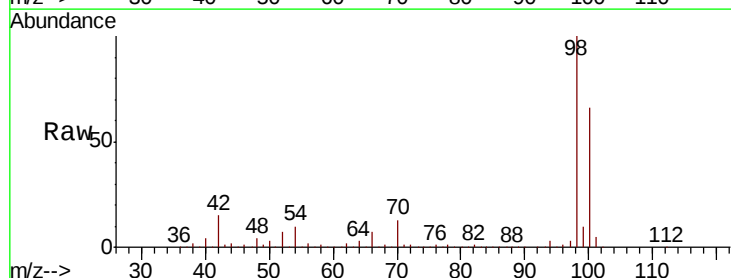
Acq: 26 Jul 2019 12:50

Tgt Ion: 98 Resp: 486089

Ion Ratio Lower Upper

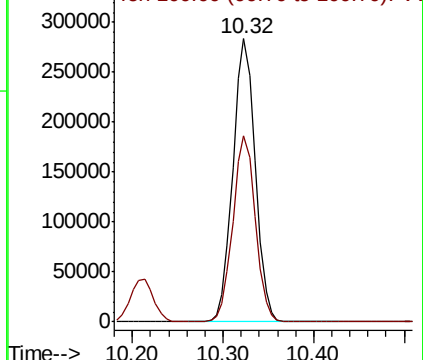
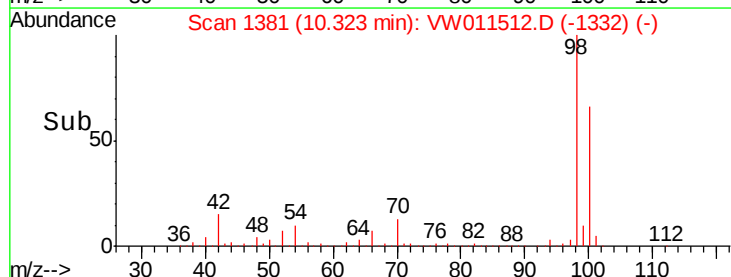
98 100

100 65.9 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: 276.946 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

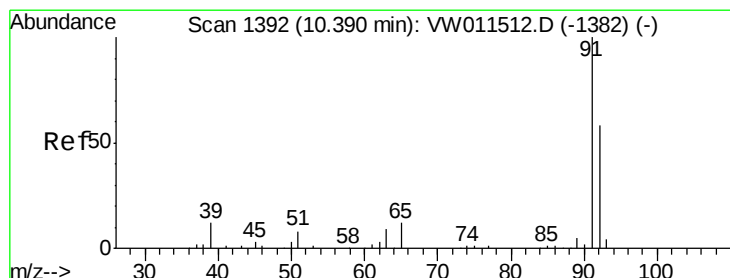
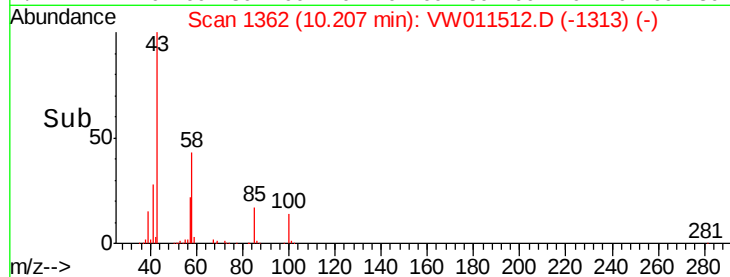
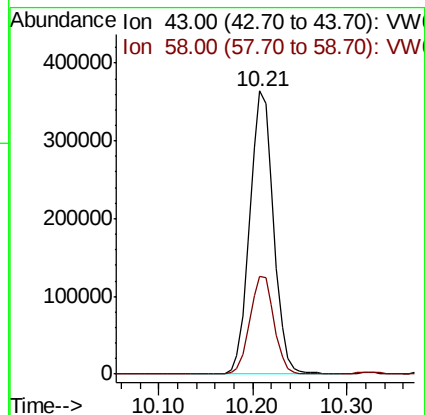
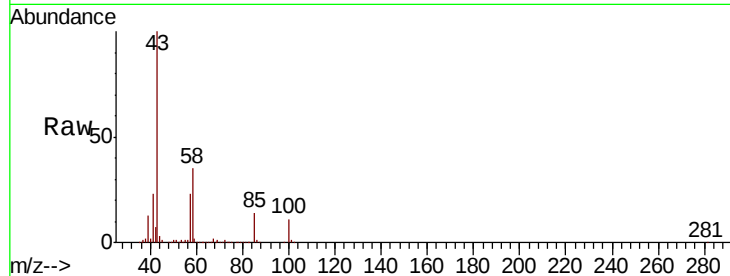
VSTDICCC050

Tot Ion: 43 Resp: 644210

Ion Ratio Lower Upper

43 100

58 35.2 28.2 42.2



#52

Toluene

Concen: 53.391 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011512.D

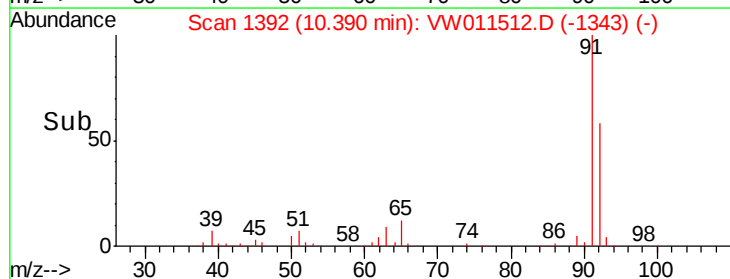
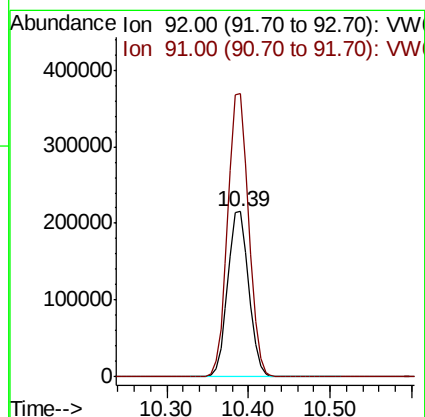
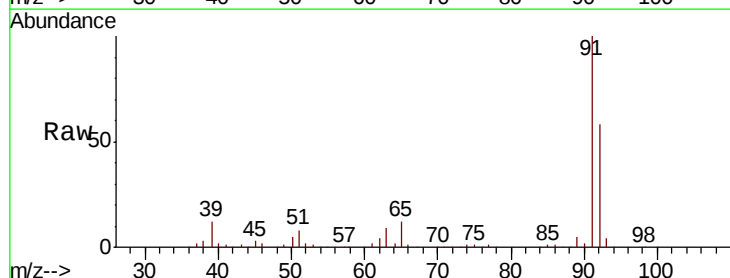
Acq: 26 Jul 2019 12:50

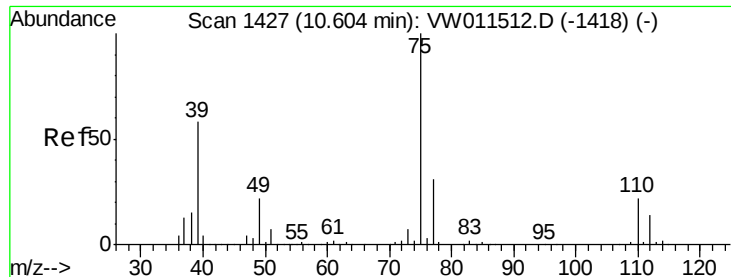
Tgt Ion: 92 Resp: 381715

Ion Ratio Lower Upper

92 100

91 170.9 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 54.799 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

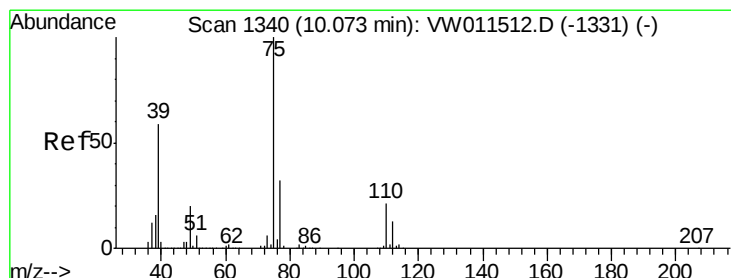
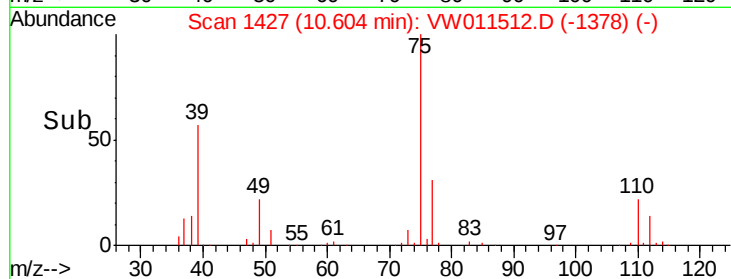
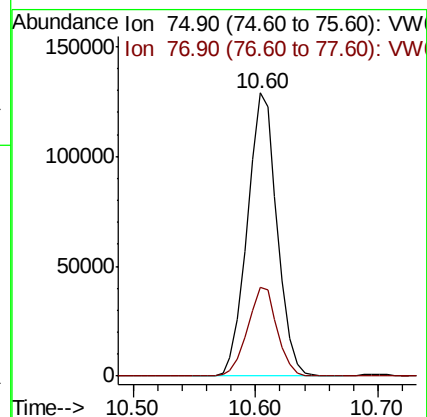
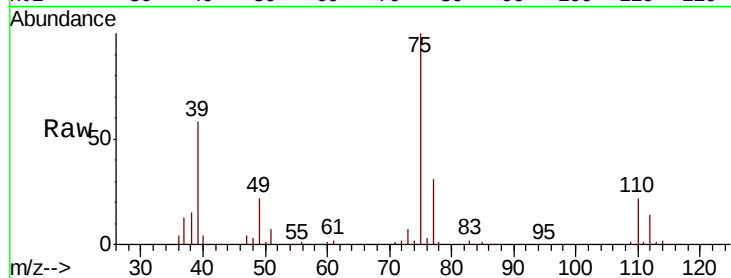
VSTDICCC050

Tot Ion: 75 Resp: 217098

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 54.739 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

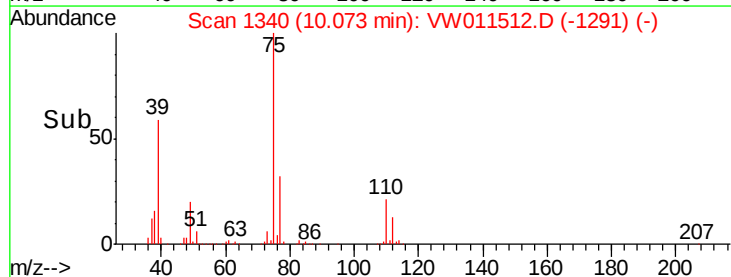
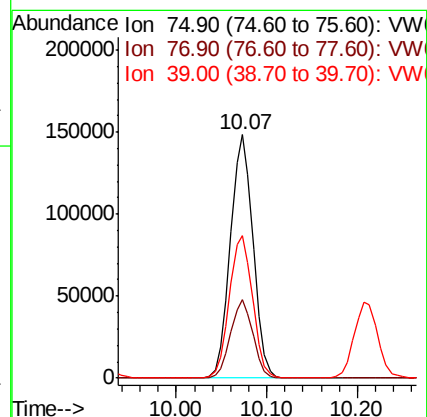
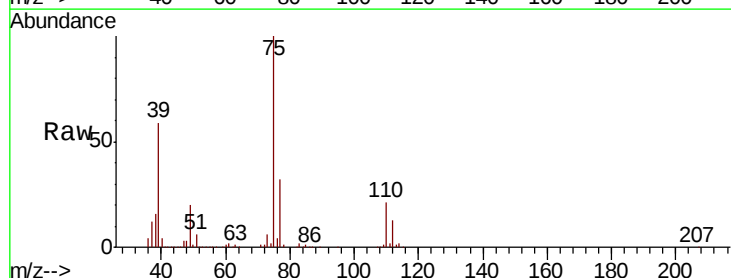
Tgt Ion: 75 Resp: 257847

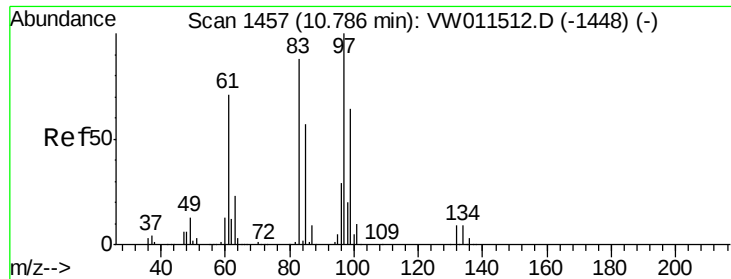
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 58.7 47.0 70.4

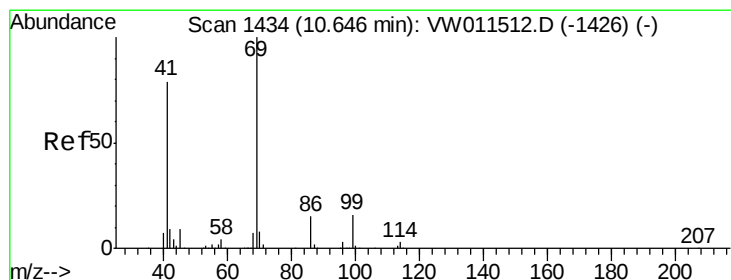
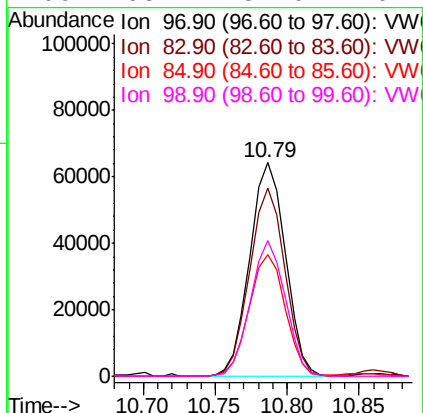
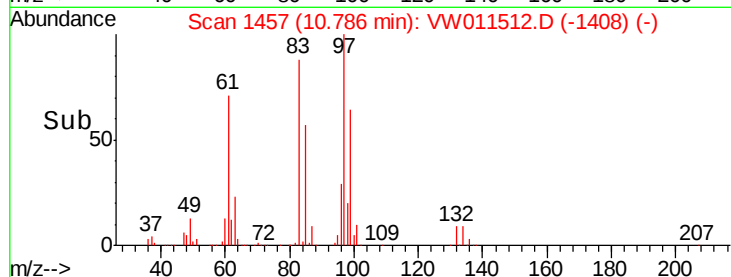
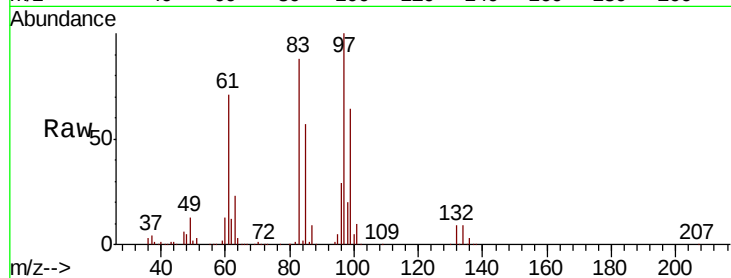




#55
 1,1,2-Trichloroethane
 Concen: 53.905 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

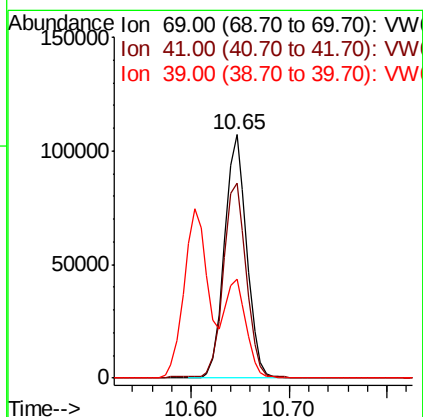
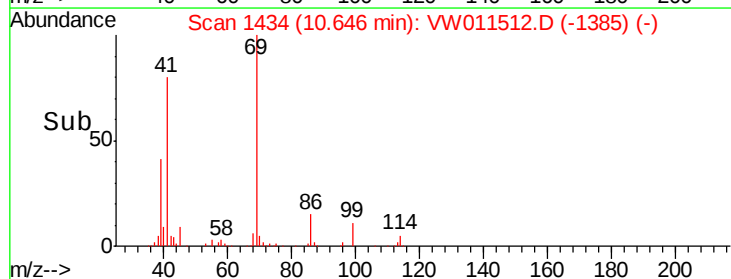
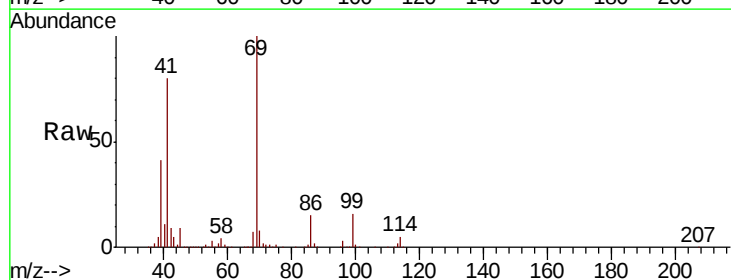
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

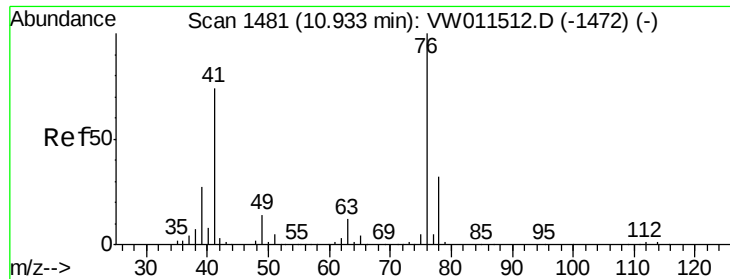
Tot Ion:	97	Resp:	110579
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.5	105.7
85	57.2	45.8	68.6
99	63.7	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 56.424 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion:	69	Resp:	169375
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.6	99.8
39	37.9	30.3	45.5

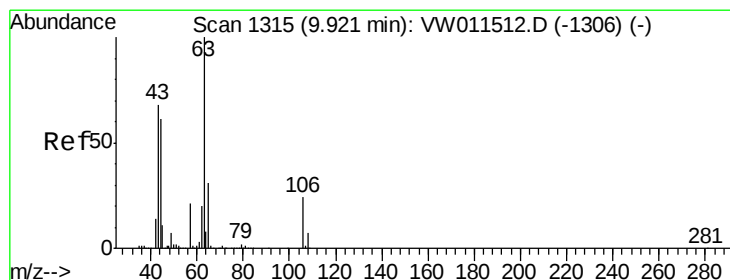
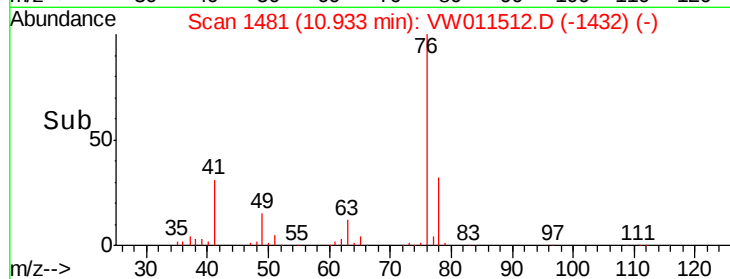
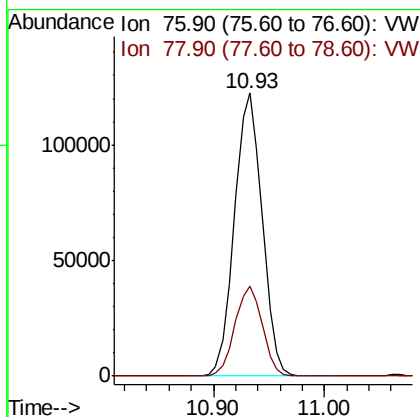
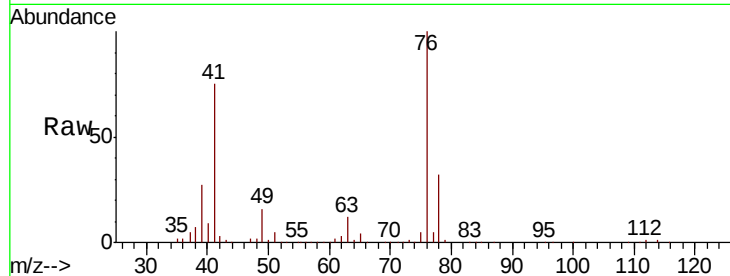




#57
 1,3-Dichloropropane
 Concen: 54.212 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

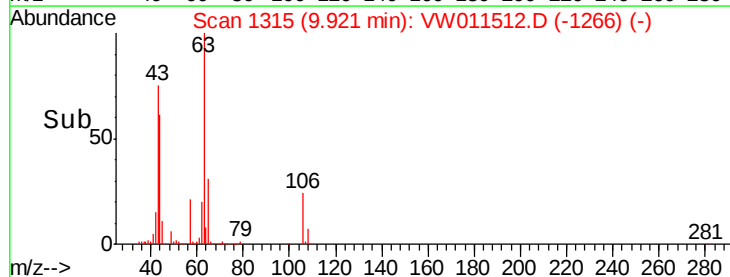
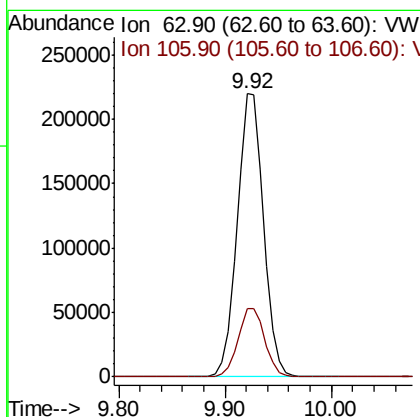
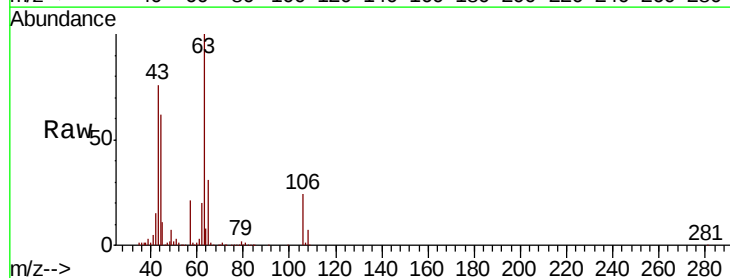
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion: 76 Resp: 210397
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.372 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion: 63 Resp: 380768
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5

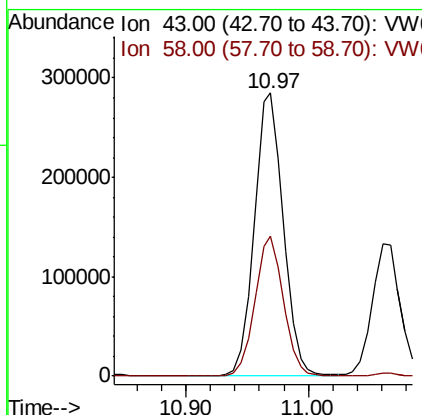
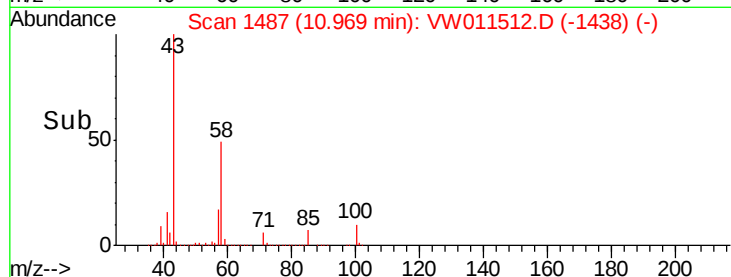
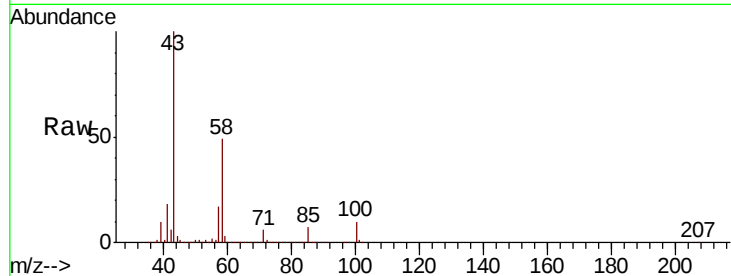




#59
2-Hexanone
Concen: 286.358 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

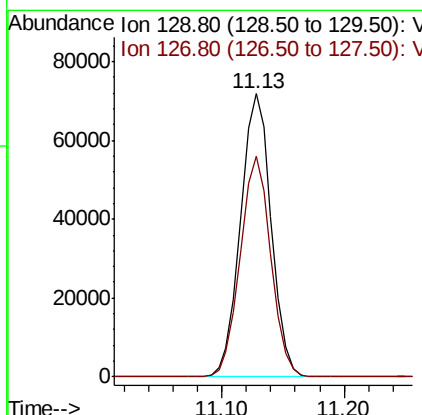
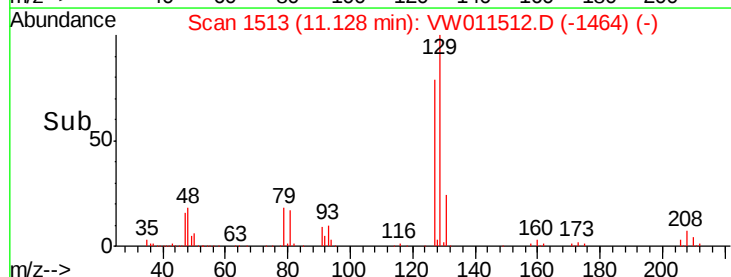
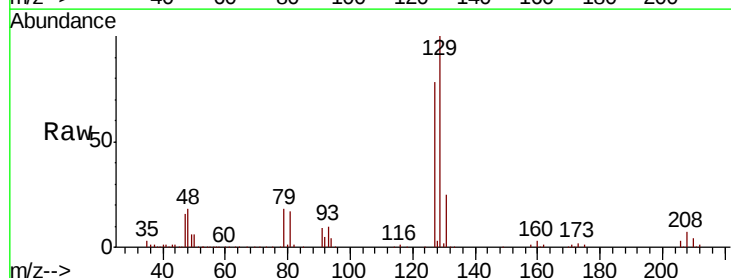
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 470312
Ion Ratio Lower Upper
43 100
58 48.6 24.3 72.9



#60
Dibromochloromethane
Concen: 54.652 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 129 Resp: 124447
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7

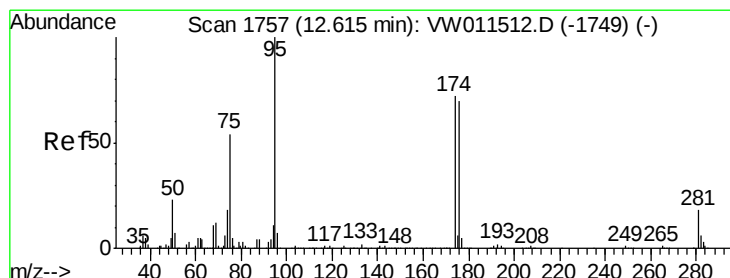
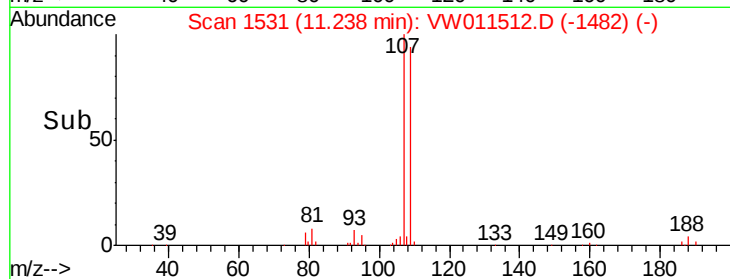
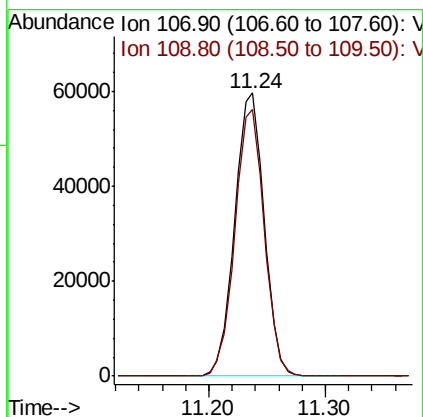
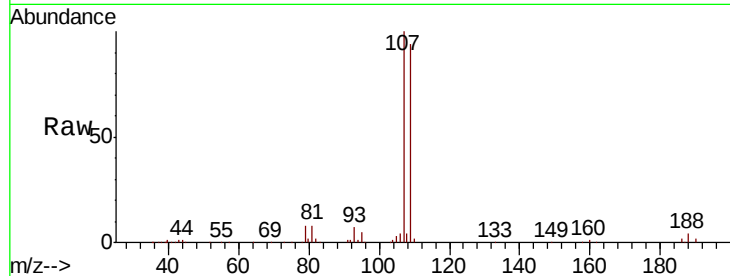




#61
 1,2-Dibromoethane
 Concen: 54.218 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

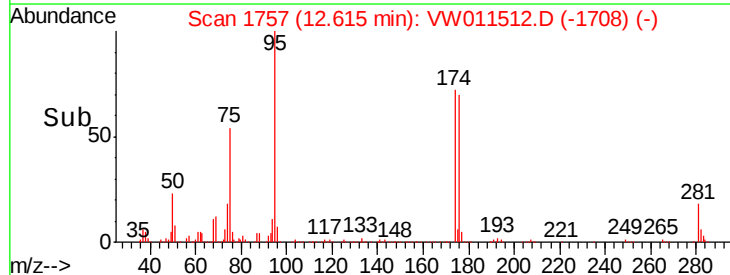
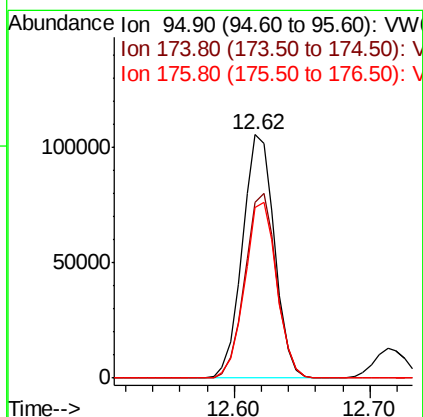
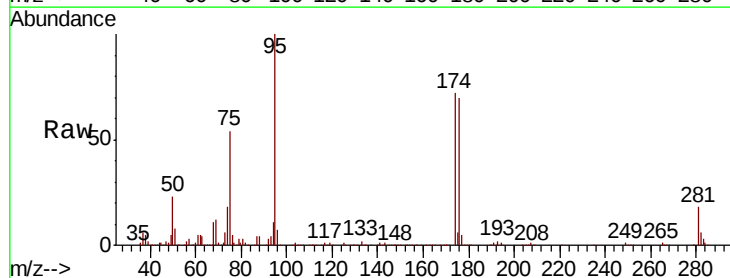
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:107 Resp: 105253
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.174 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion: 95 Resp: 173669
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 150.2
 176 72.2 0.0 144.4

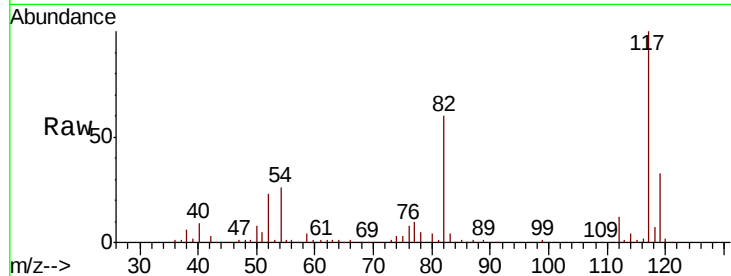




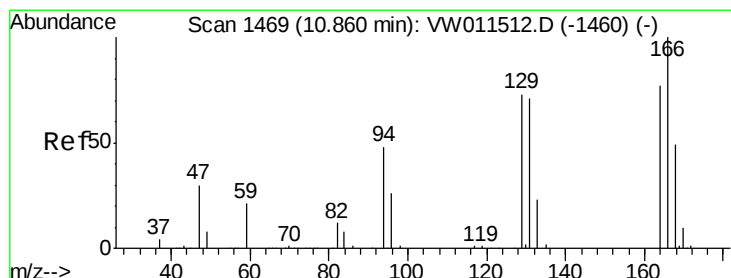
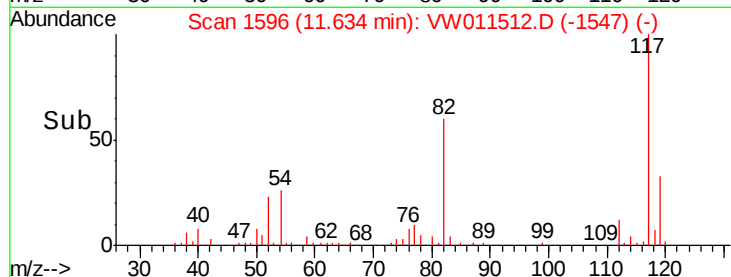
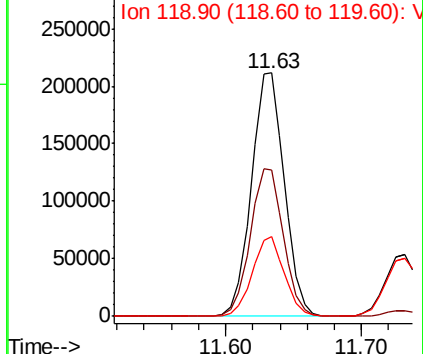
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 358654
Ion Ratio Lower Upper
117 100
82 59.9 47.9 71.9
119 32.7 26.2 39.2

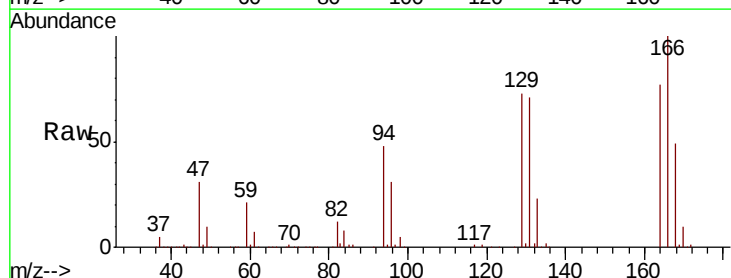


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

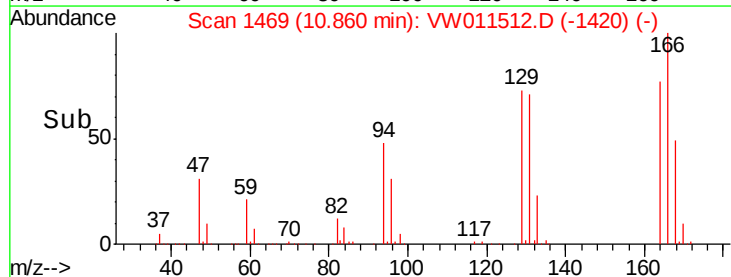
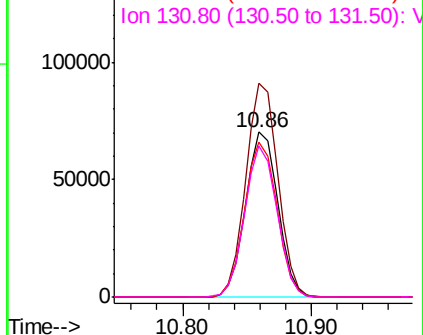


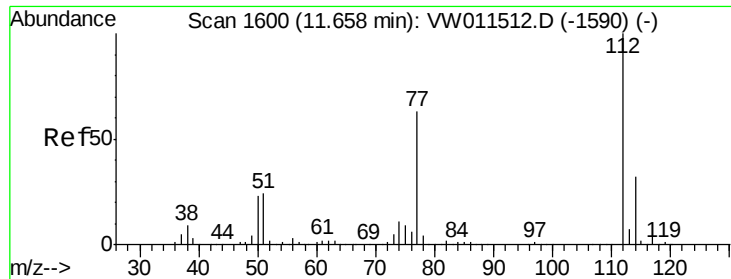
#64
Tetrachloroethene
Concen: 52.086 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion:164 Resp: 121633
Ion Ratio Lower Upper
164 100
166 129.4 103.5 155.3
129 94.0 75.2 112.8
131 91.8 73.4 110.2



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





#65

Chlorobenzene

Concen: 52.821 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

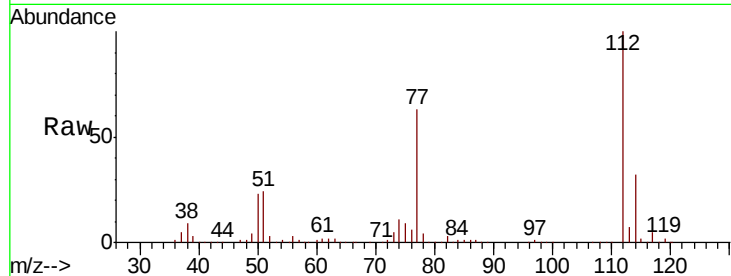
VSTDICCC050

Tot Ion:112 Resp: 380871

Ion Ratio Lower Upper

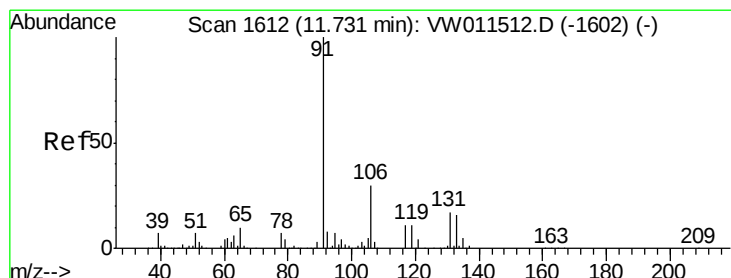
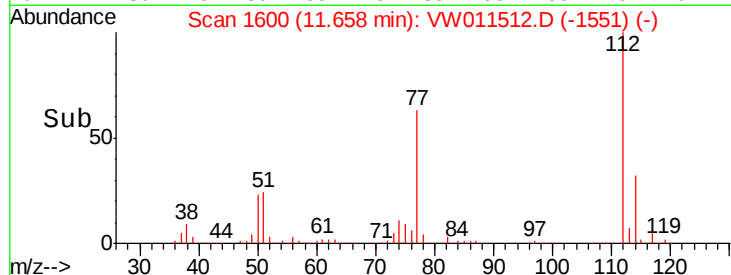
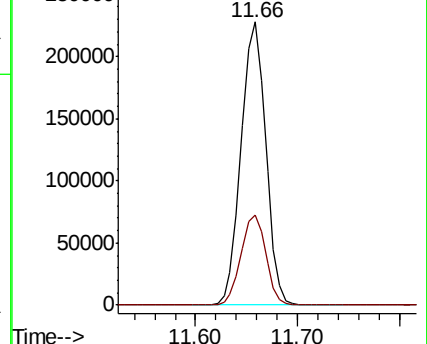
112 100

114 32.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.146 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

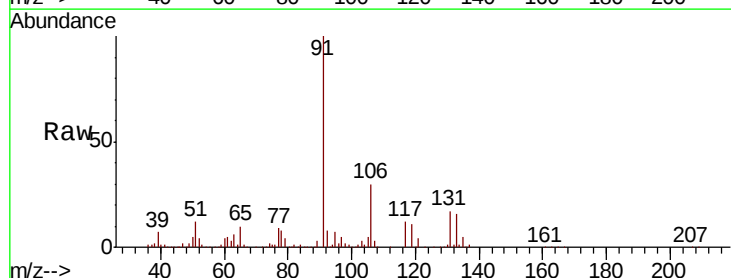
Tgt Ion:131 Resp: 135995

Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.2

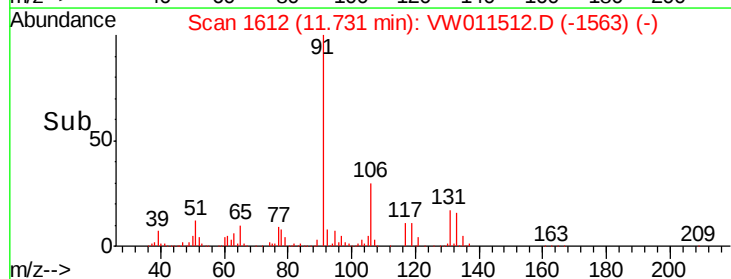
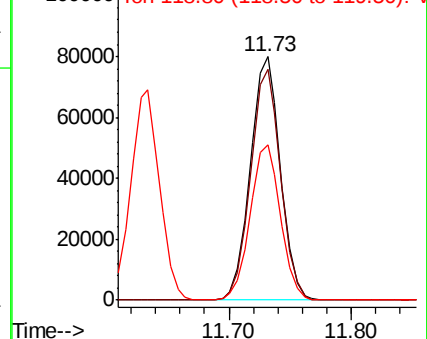
119 64.6 32.3 96.9

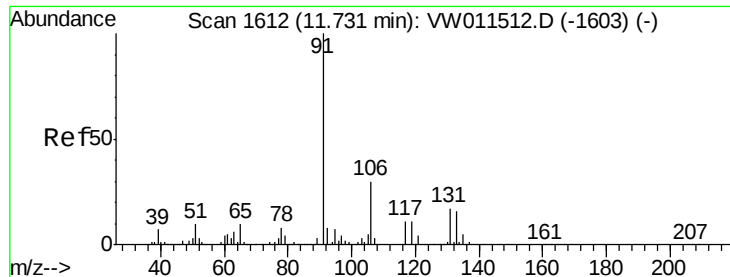


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

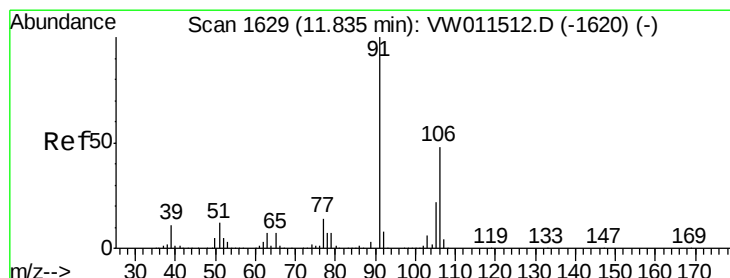
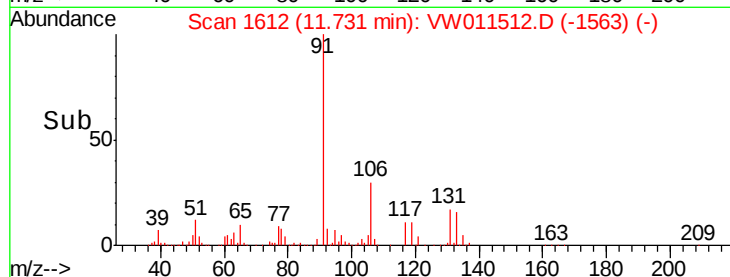
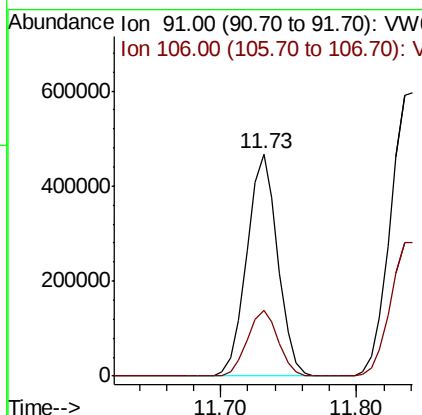
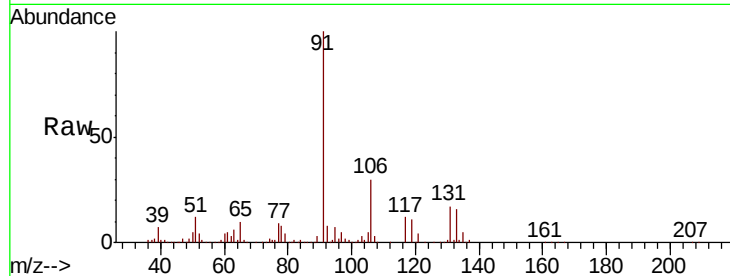




#67
Ethyl Benzene
Concen: 53.920 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

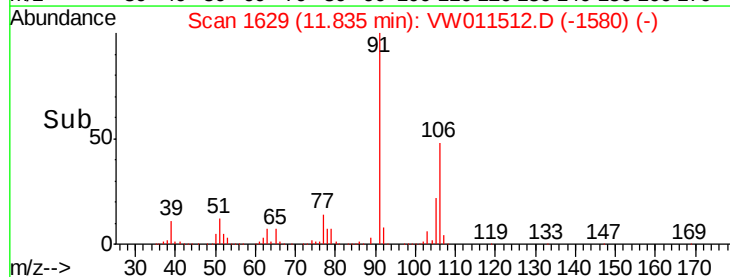
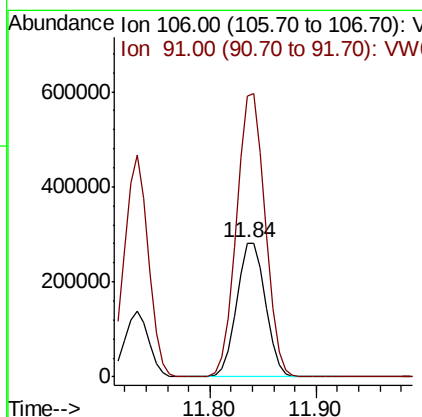
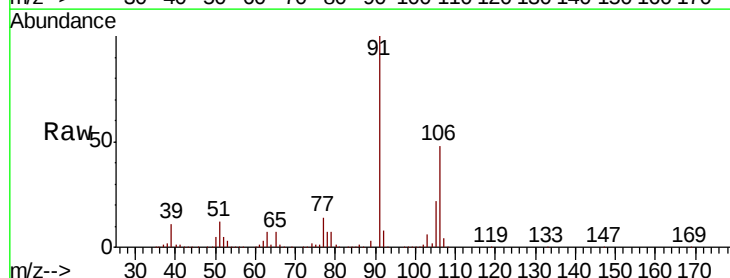
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 740480
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6



#68
m/p-Xylenes
Concen: 107.344 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 106 Resp: 536105
Ion Ratio Lower Upper
106 100
91 210.2 168.2 252.2

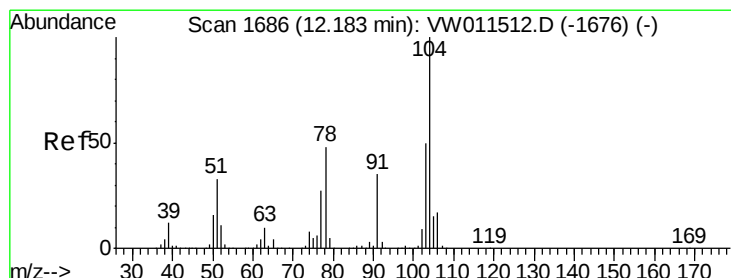
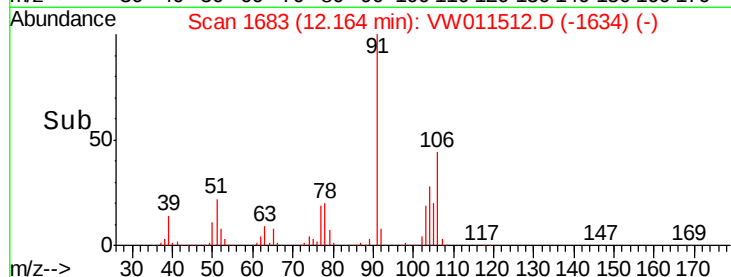
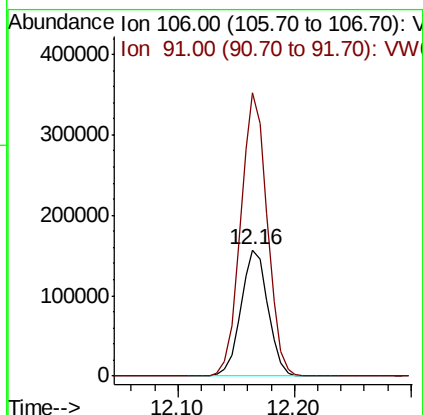
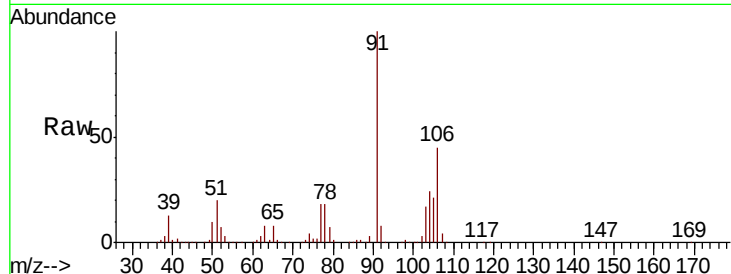




#69
o-Xylene
Concen: 54.502 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

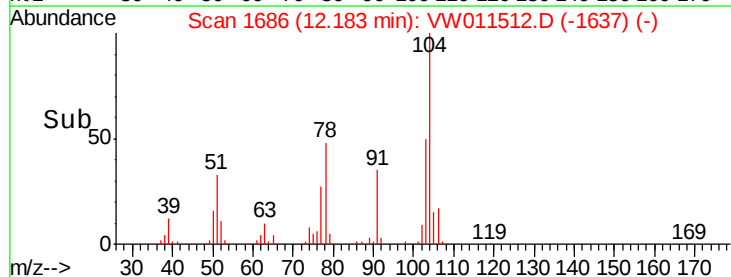
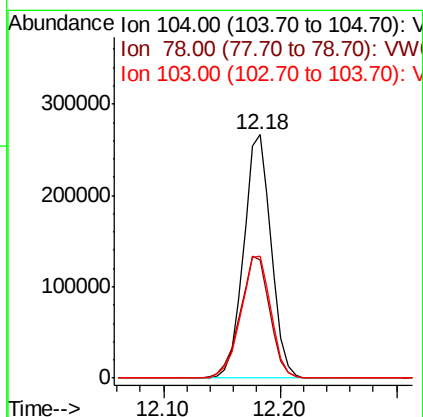
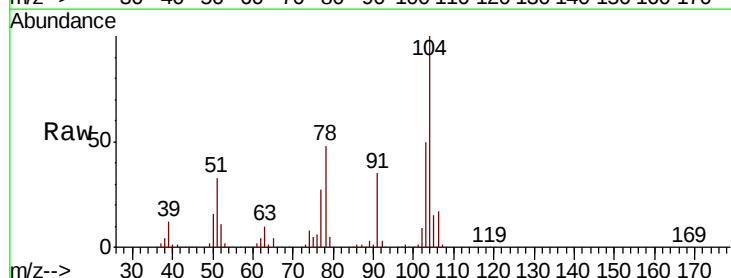
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 252943
Ion Ratio Lower Upper
106 100
91 221.0 110.5 331.5



#70
Styrene
Concen: 54.472 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion:104 Resp: 437096
Ion Ratio Lower Upper
104 100
78 54.2 43.4 65.0
103 54.9 43.9 65.9





#71

Bromoform

Concen: 56.308 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

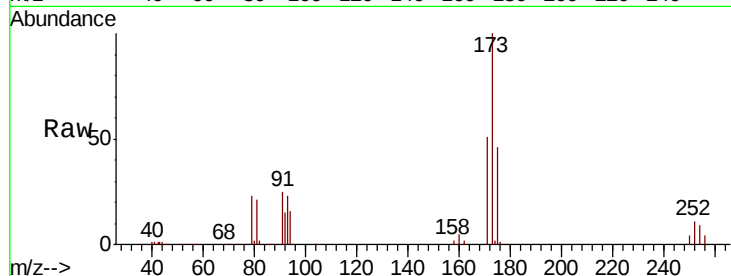
Tot Ion:173 Resp: 72108

Ion Ratio Lower Upper

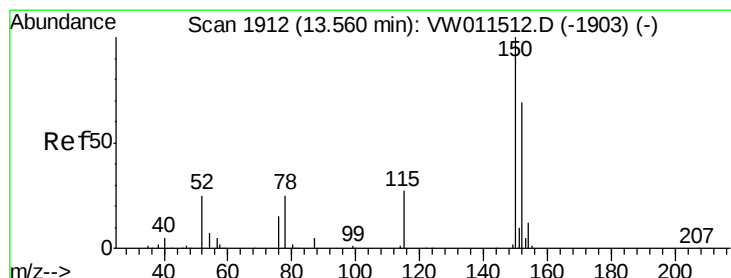
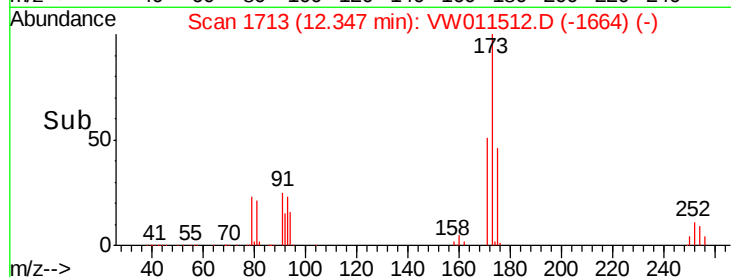
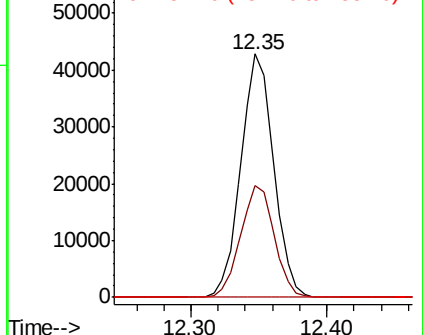
173 100

175 47.3 23.6 71.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

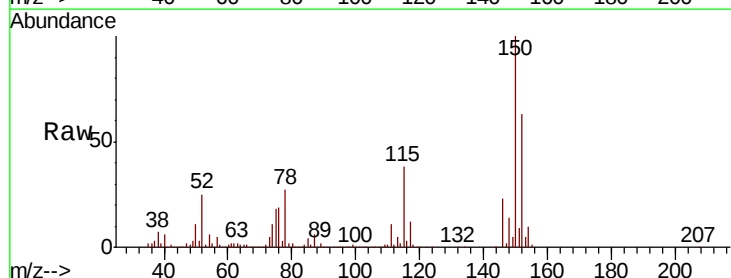
Tgt Ion:152 Resp: 172954

Ion Ratio Lower Upper

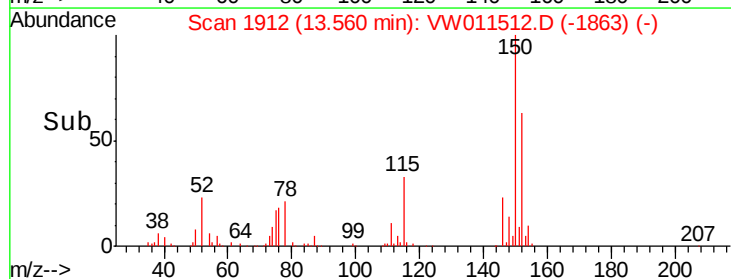
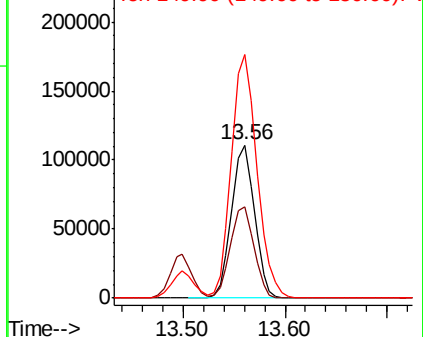
152 100

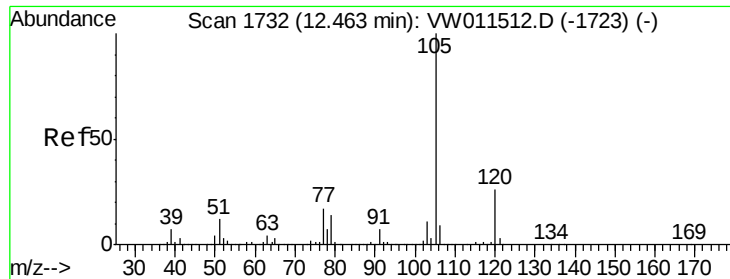
115 61.0 30.5 91.5

150 176.3 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: 53.635 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

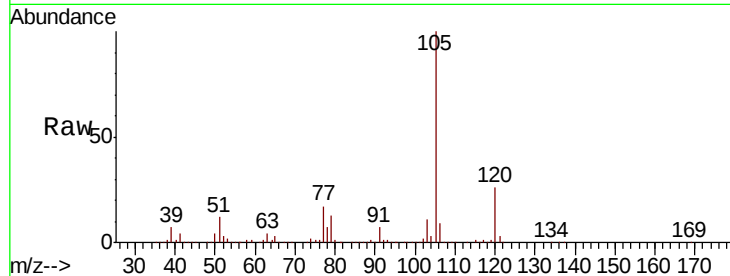
VSTDICCC050

Tot Ion:105 Resp: 692044

Ion Ratio Lower Upper

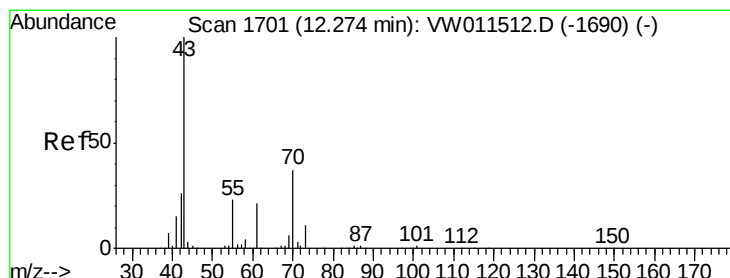
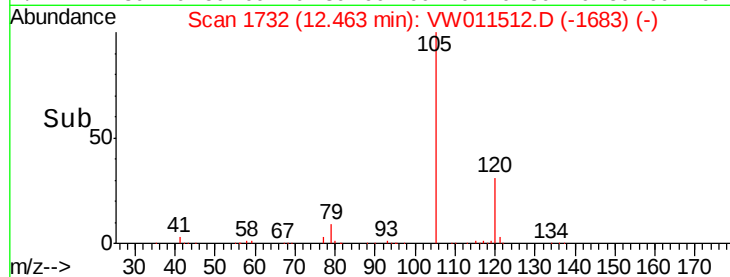
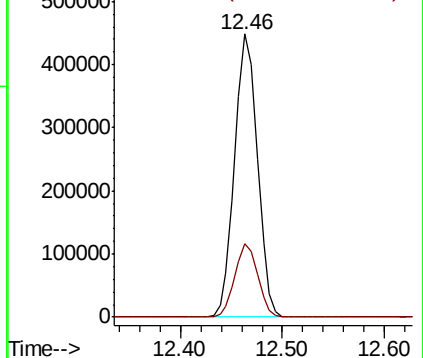
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.261 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion: 43 Resp: 227271

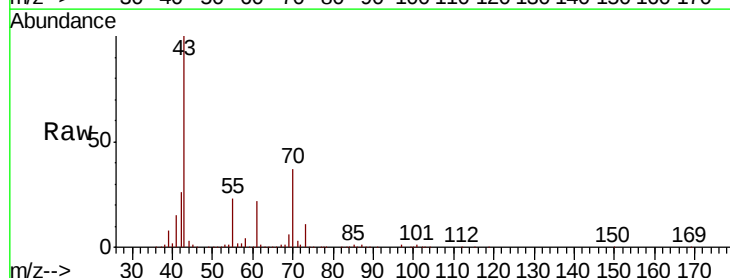
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 22.3 17.8 26.8

61 21.3 17.0 25.6

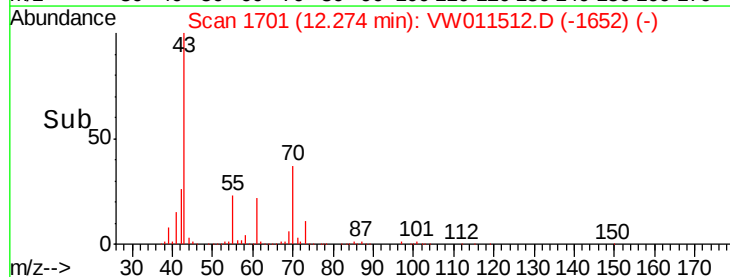
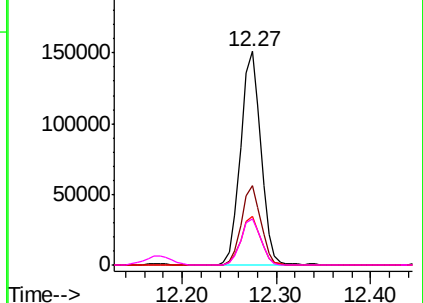


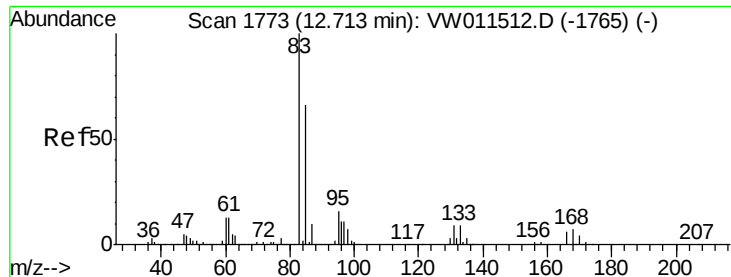
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

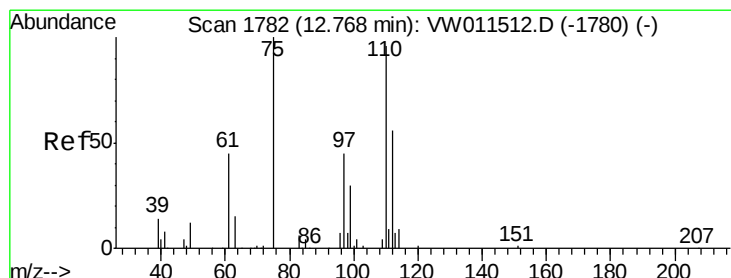
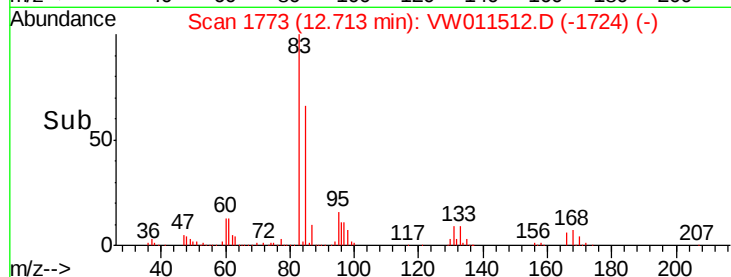
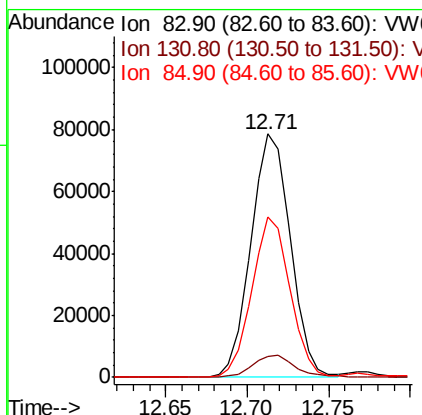
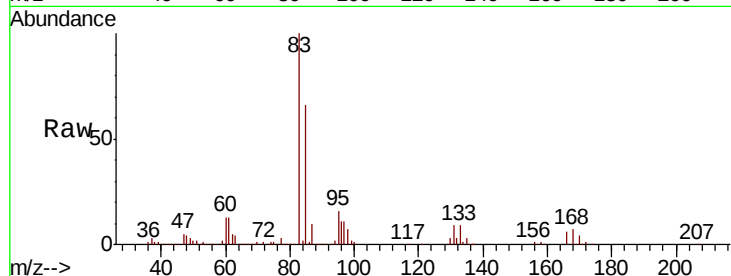




#75
 1,1,2,2-Tetrachloroethane
 Concen: 54.638 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

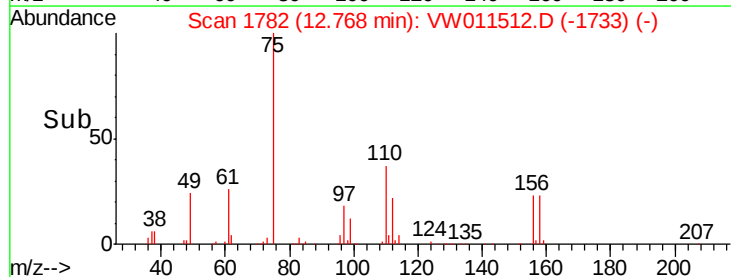
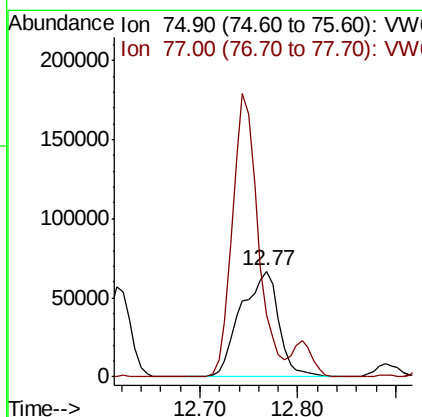
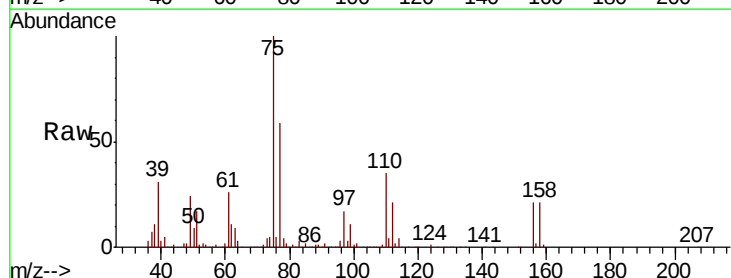
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

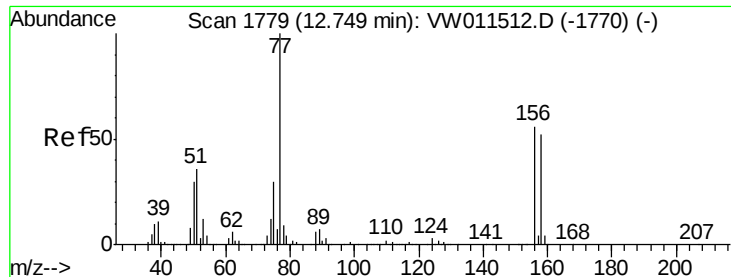
Tot Ion	83	Resp	132607
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	63.6	31.8	95.4



#76
 1,2,3-Trichloropropane
 Concen: 97.957 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	75	Resp	179859
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.001 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

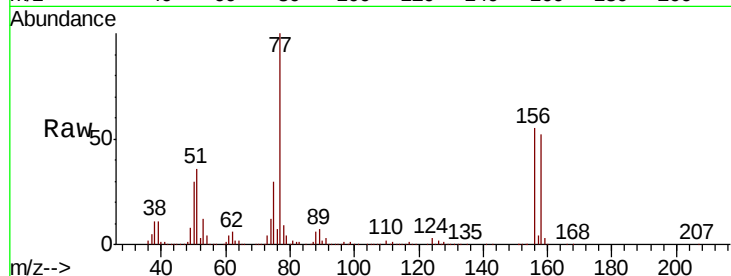
Tot Ion:156 Resp: 154005

Ion Ratio Lower Upper

156 100

77 212.9 106.5 319.4

158 96.1 48.0 144.2

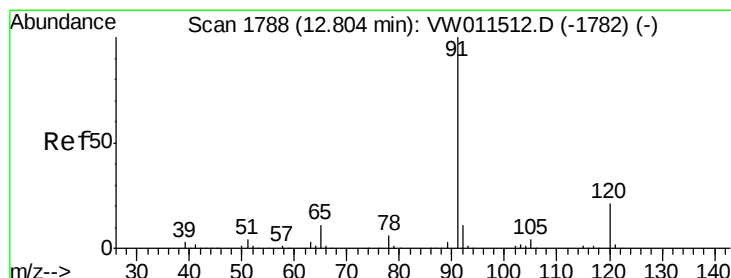
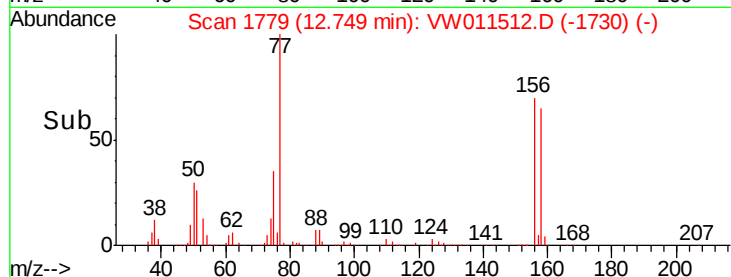
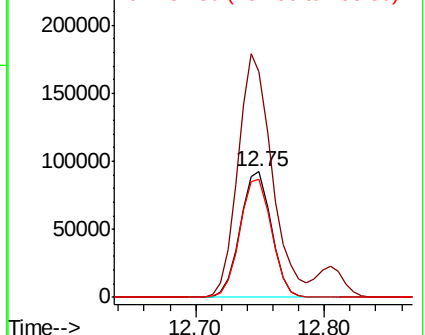


Abundance

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: 53.727 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011512.D

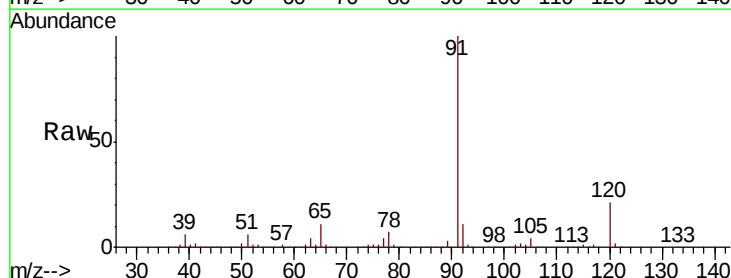
Acq: 26 Jul 2019 12:50

Tgt Ion: 91 Resp: 843660

Ion Ratio Lower Upper

91 100

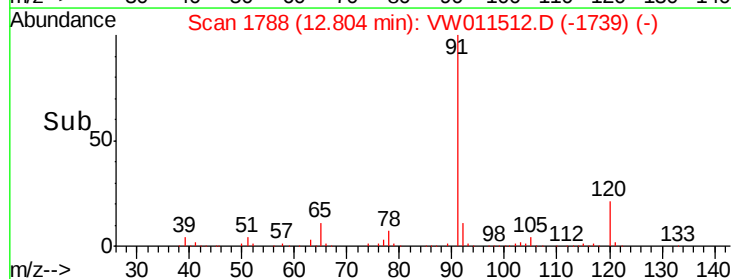
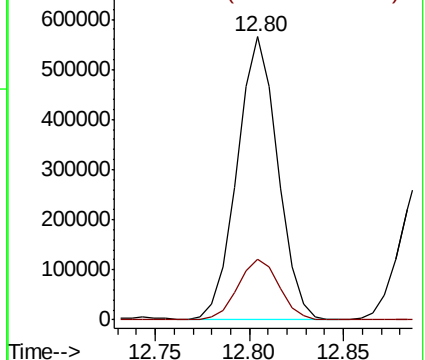
120 21.8 10.9 32.7

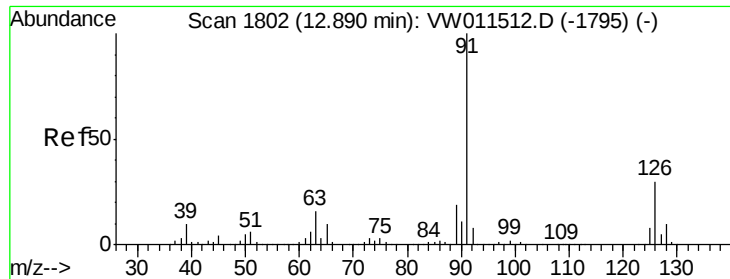


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.177 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

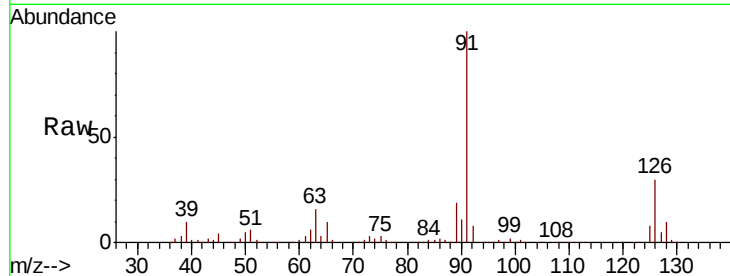
VSTDICCC050

Tot Ion: 91 Resp: 481059

Ion Ratio Lower Upper

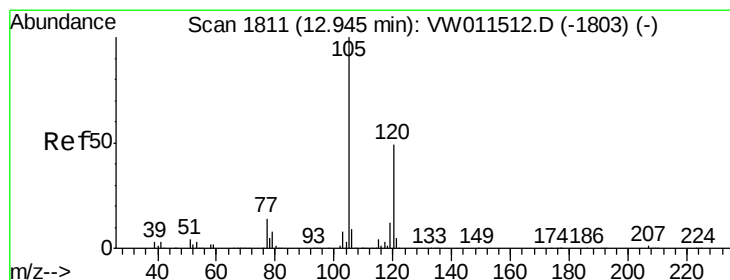
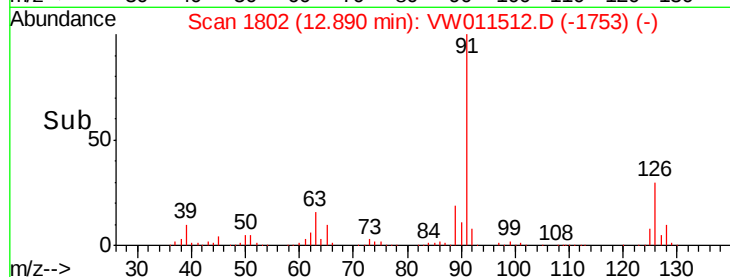
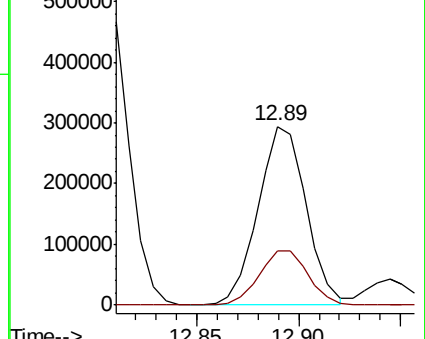
91 100

126 31.4 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: 54.247 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011512.D

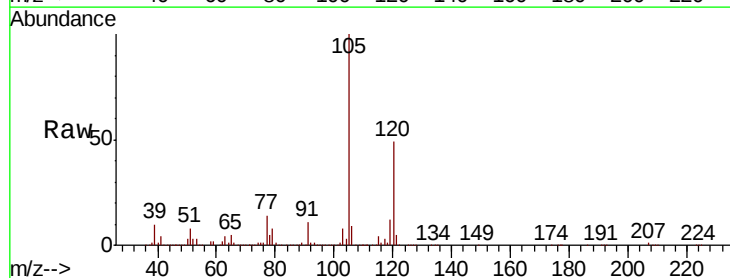
Acq: 26 Jul 2019 12:50

Tgt Ion:105 Resp: 586720

Ion Ratio Lower Upper

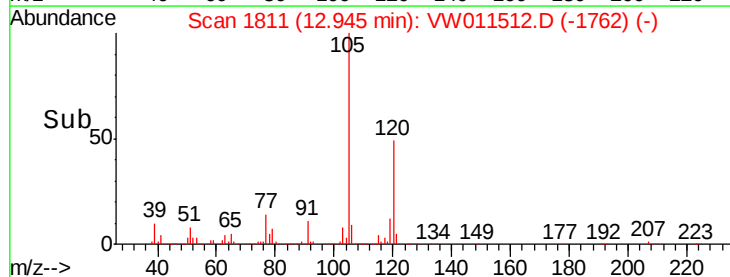
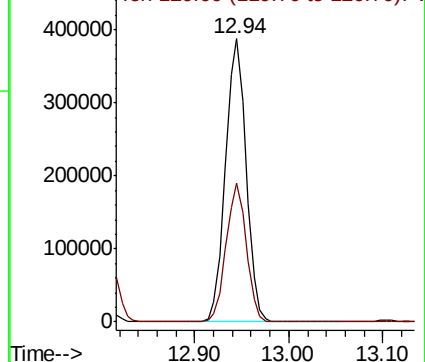
105 100

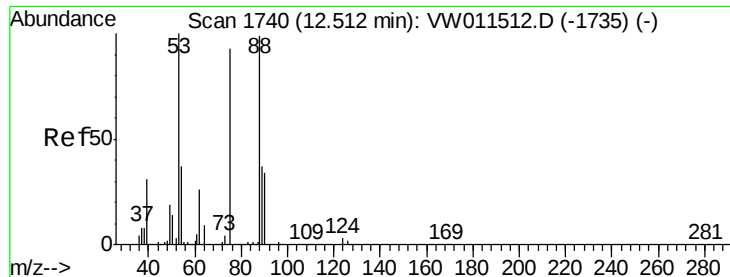
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

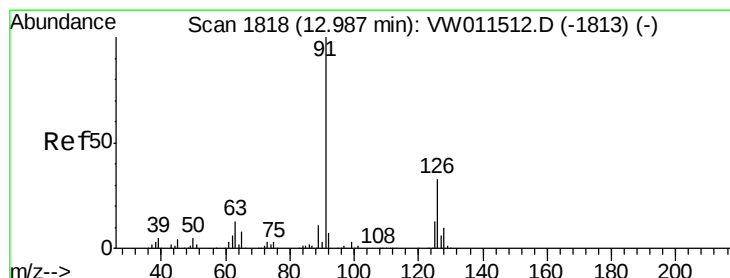
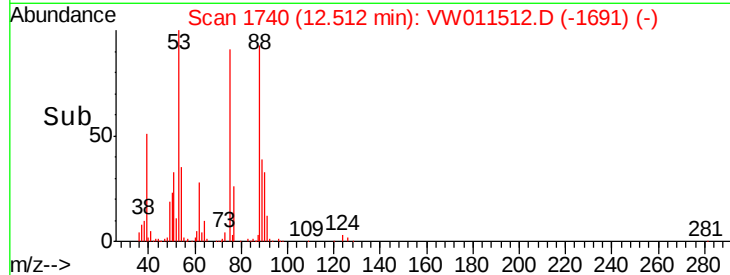
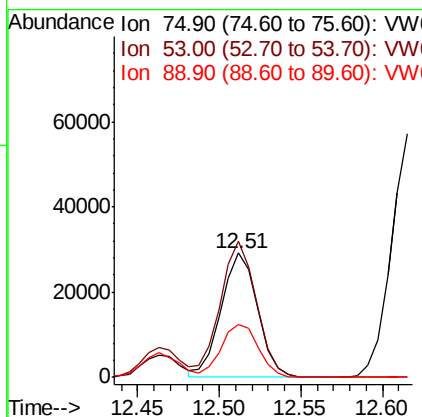
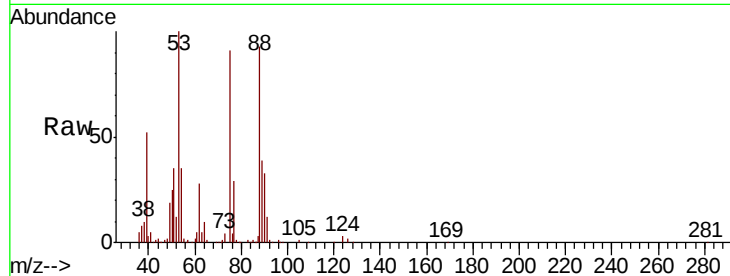




#81
trans-1,4-Dichloro-2-butene
Concen: 56.610 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

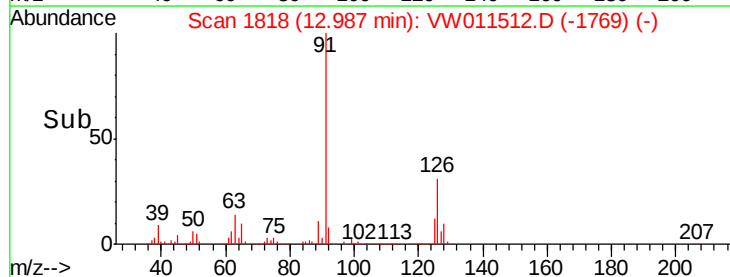
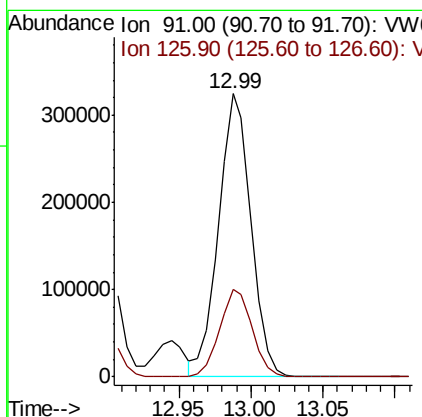
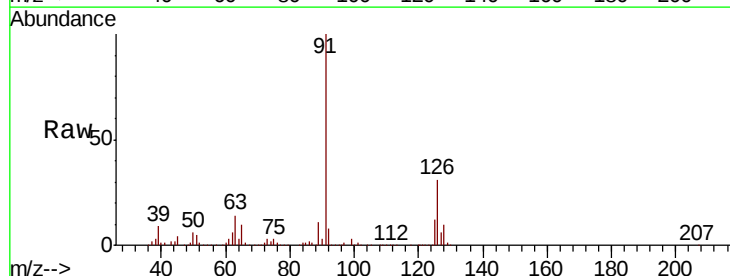
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

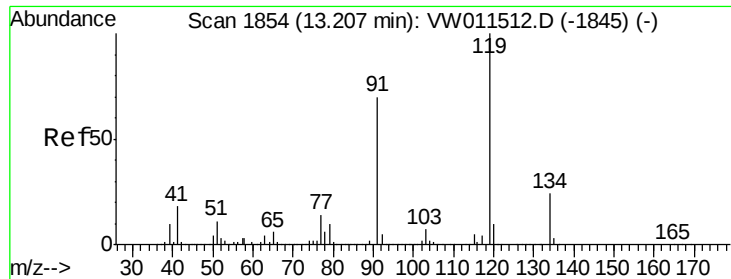
Tot Ion: 75 Resp: 44952
Ion Ratio Lower Upper
75 100
53 110.0 88.0 132.0
89 44.1 35.3 52.9



#82
4-Chlorotoluene
Concen: 53.718 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 91 Resp: 509867
Ion Ratio Lower Upper
91 100
126 31.2 15.6 46.8

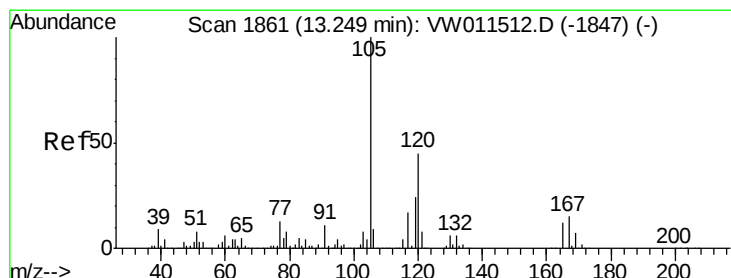
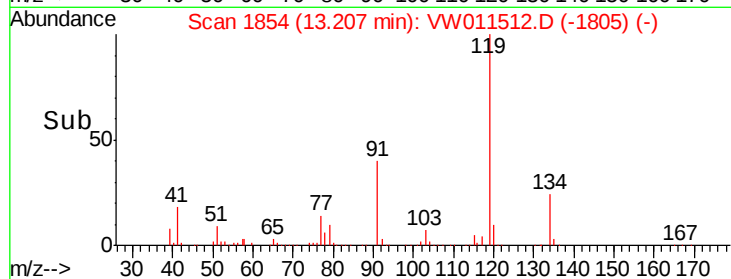
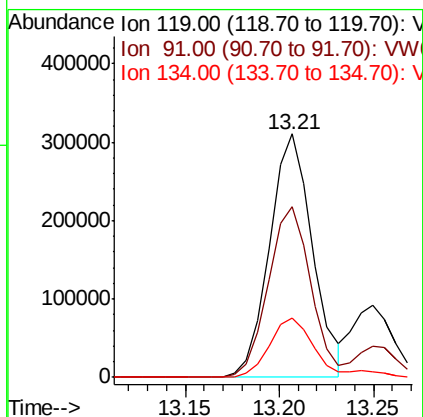
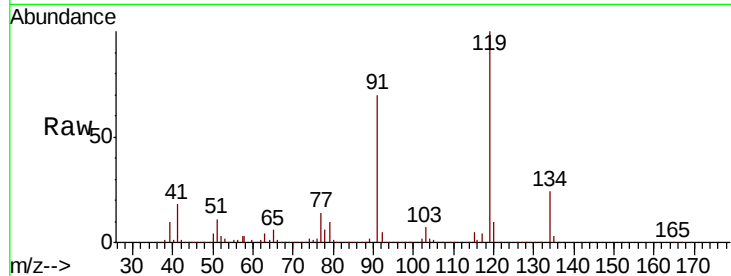




#83
tert-Butylbenzene
Concen: 54.285 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

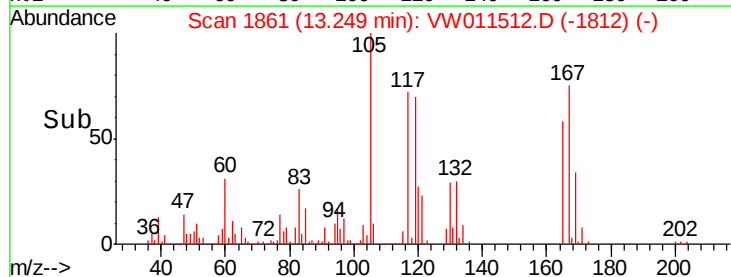
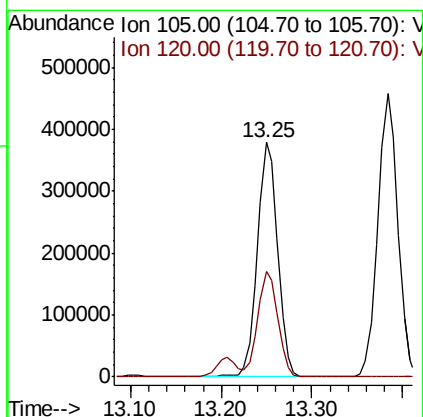
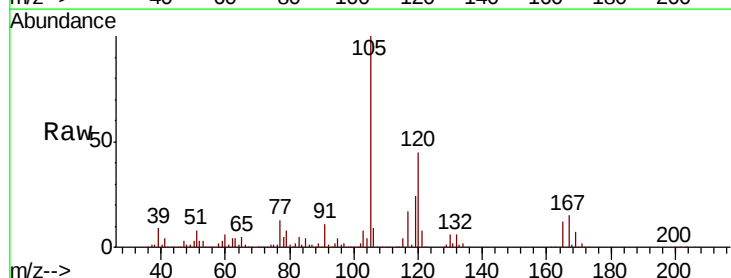
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

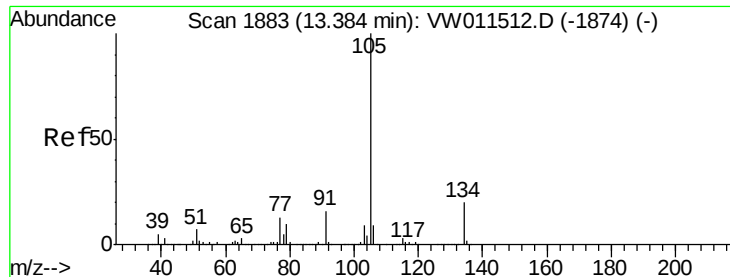
Tot Ion:119 Resp: 490991
Ion Ratio Lower Upper
119 100
91 69.1 34.5 103.6
134 24.9 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 53.860 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion:105 Resp: 586821
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 54.010 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

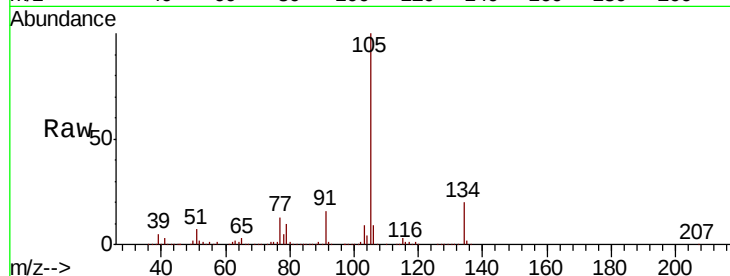
VSTDICCC050

Tot Ion:105 Resp: 697027

Ion Ratio Lower Upper

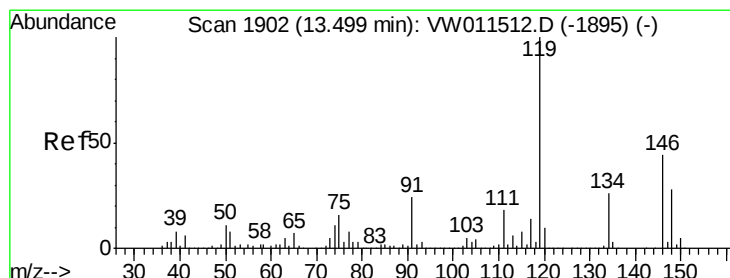
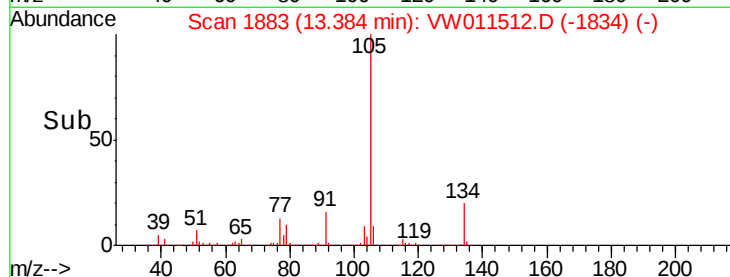
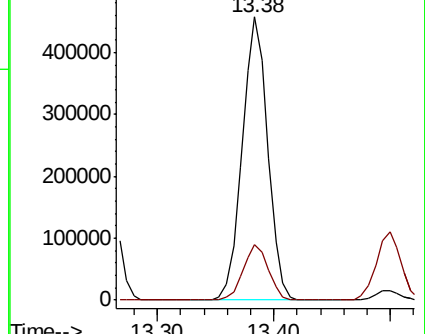
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.102 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

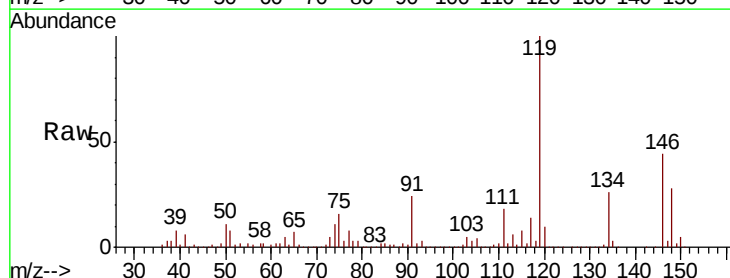
Tgt Ion:119 Resp: 633498

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

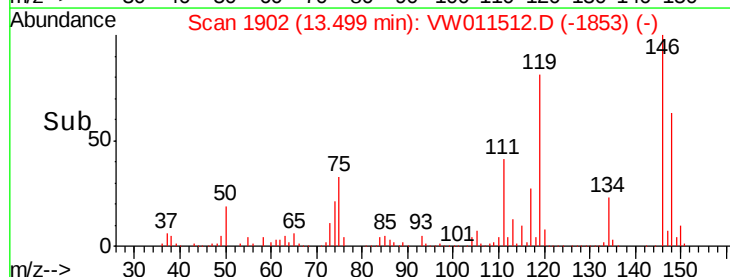
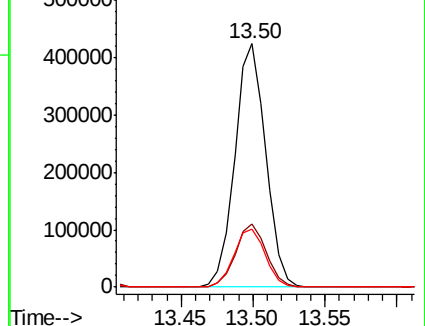
91 24.2 12.1 36.3

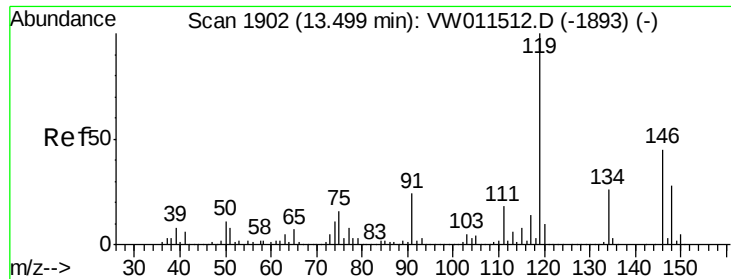


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

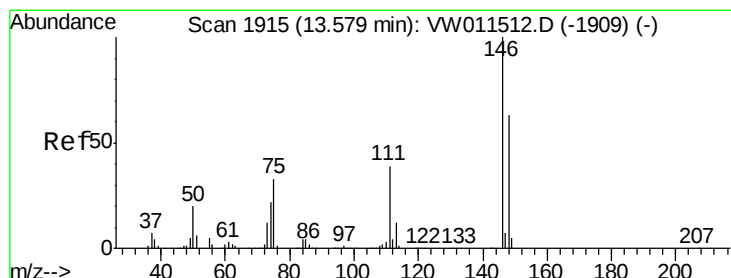
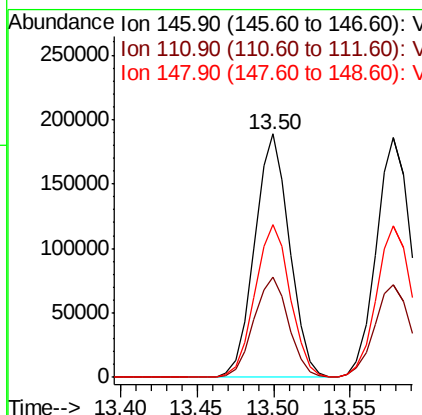
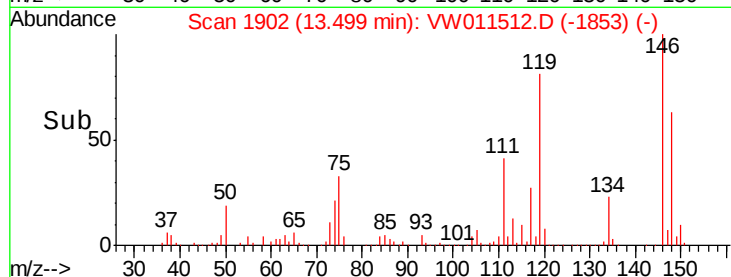
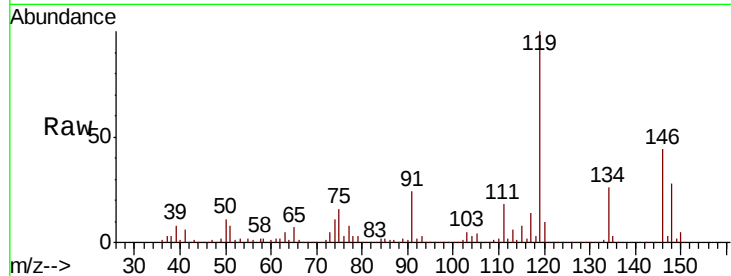




#87
 1,3-Dichlorobenzene
 Concen: 53.530 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

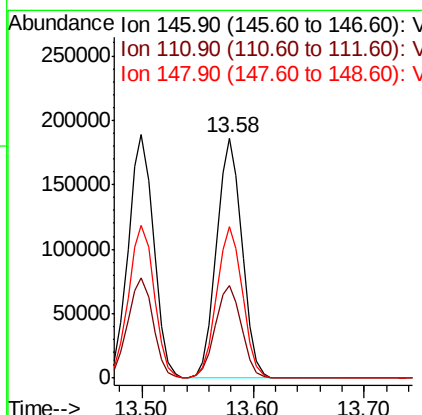
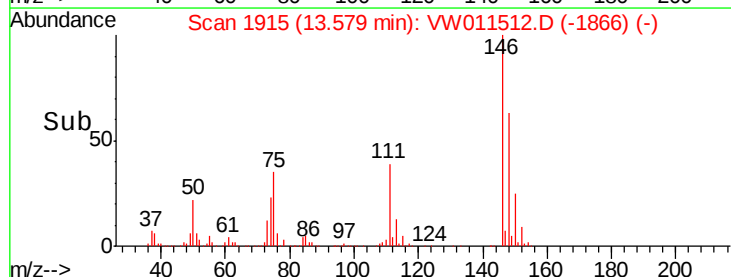
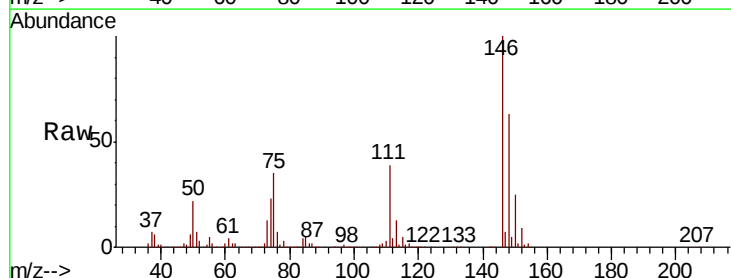
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

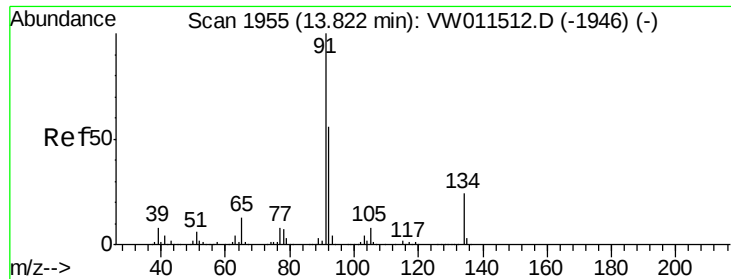
Tot Ion:146 Resp: 299337
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.5 61.6
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.794 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion:146 Resp: 293678
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.1 60.2
 148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 54.089 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

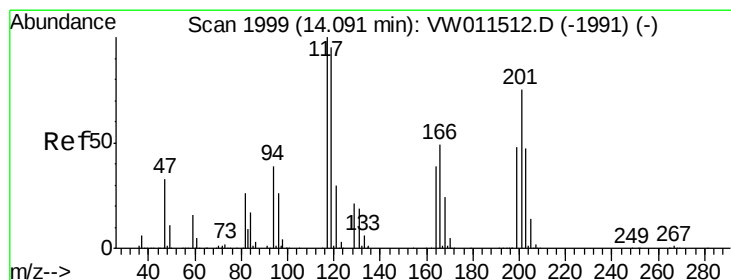
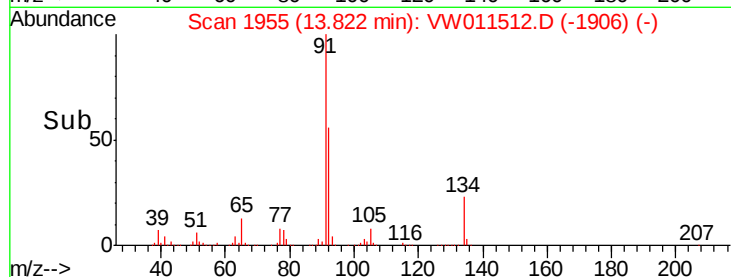
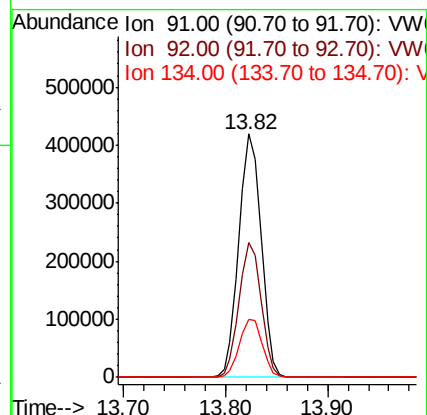
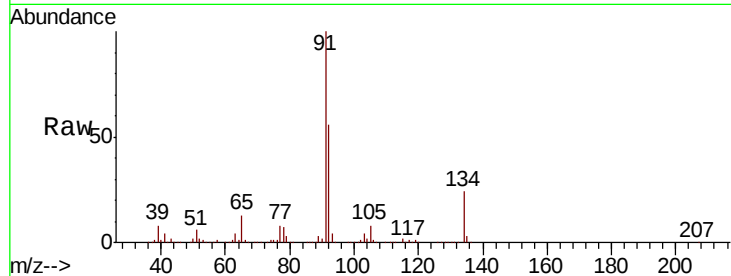
Tot Ion: 91 Resp: 632047

Ion Ratio Lower Upper

91 100

92 54.9 27.5 82.4

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 54.488 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW011512.D

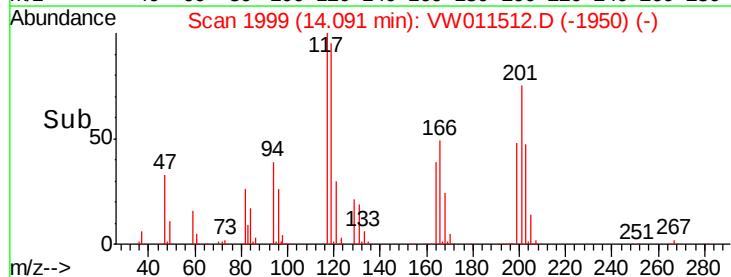
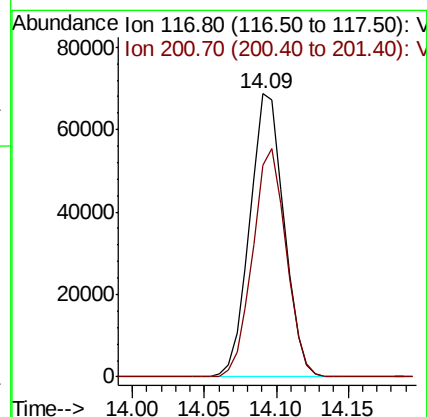
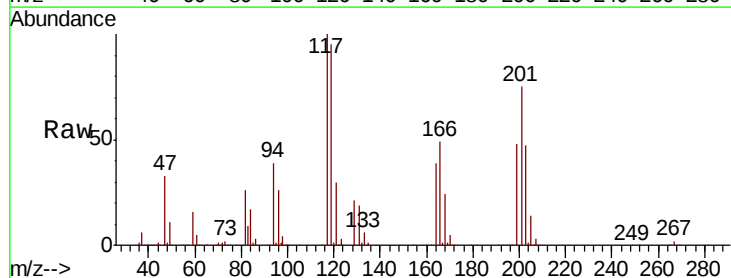
Acq: 26 Jul 2019 12:50

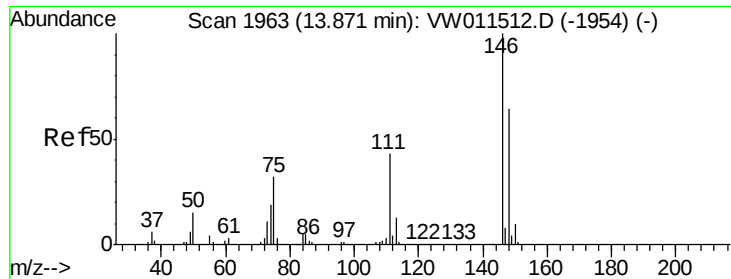
Tgt Ion: 117 Resp: 112821

Ion Ratio Lower Upper

117 100

201 78.8 39.4 118.2





#91

1,2-Dichlorobenzene

Concen: 53.352 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

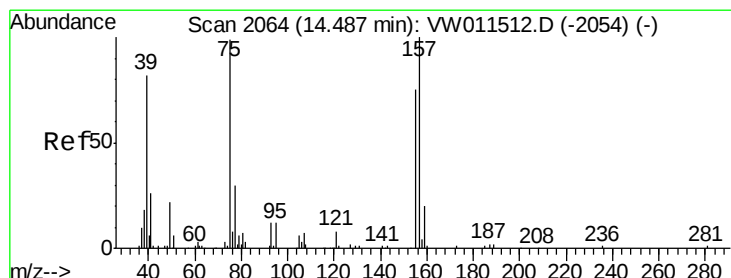
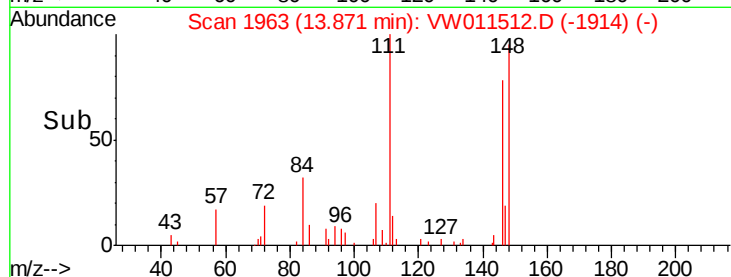
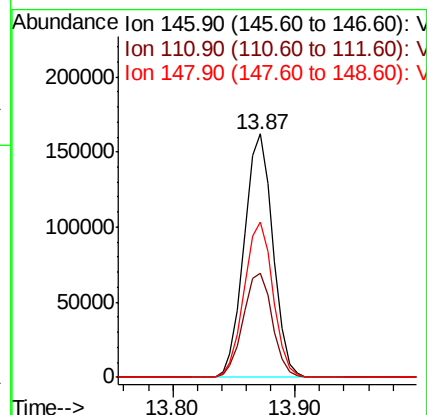
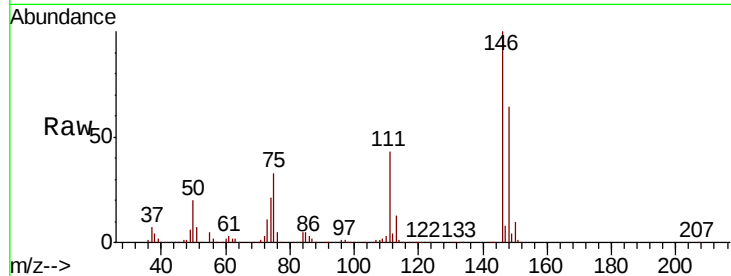
Tot Ion:146 Resp: 263867

Ion Ratio Lower Upper

146 100

111 43.3 21.6 65.0

148 64.1 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.767 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

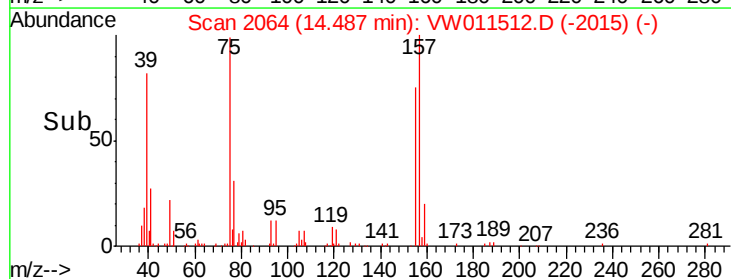
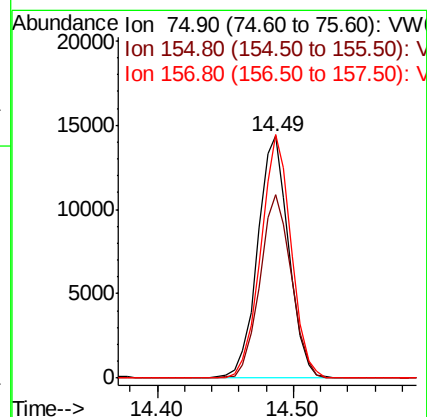
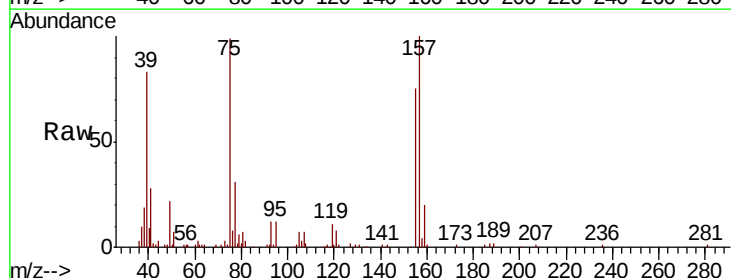
Tgt Ion: 75 Resp: 23080

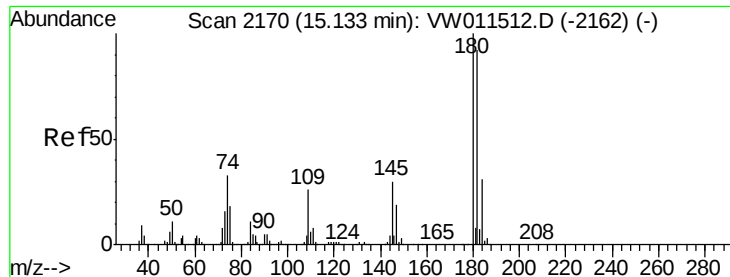
Ion Ratio Lower Upper

75 100

155 76.4 38.2 114.6

157 97.8 48.9 146.7

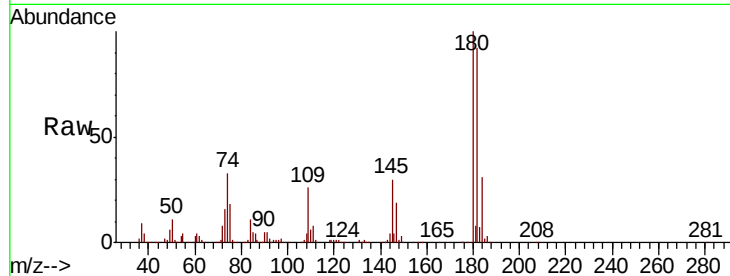




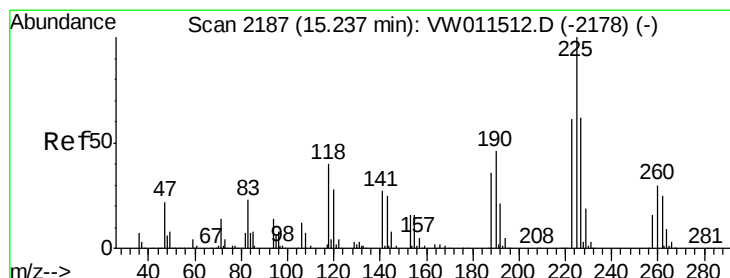
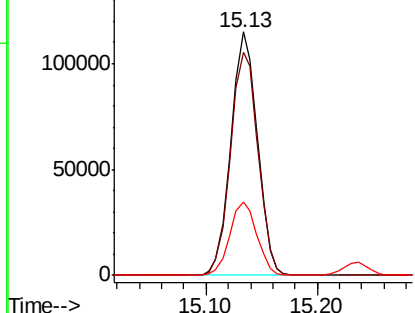
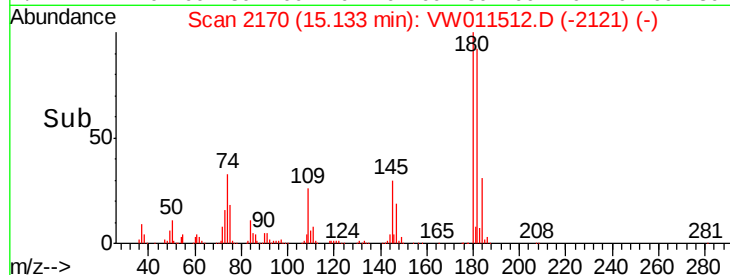
#93
 1,2,4-Trichlorobenzene
 Concen: 54.455 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 189813
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.4 142.2
 145 30.7 15.4 46.1

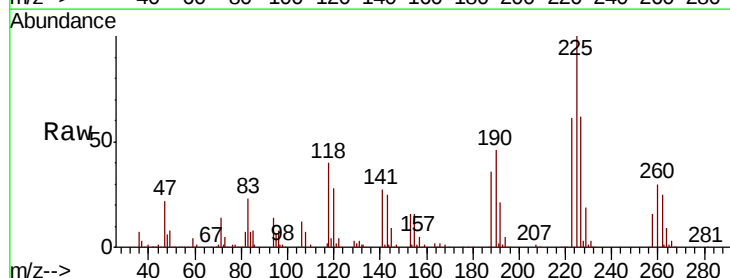


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

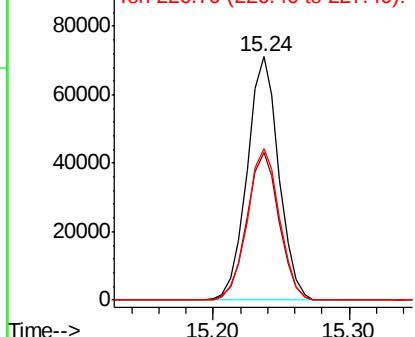
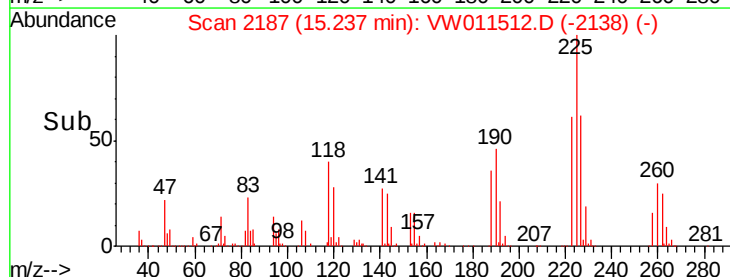


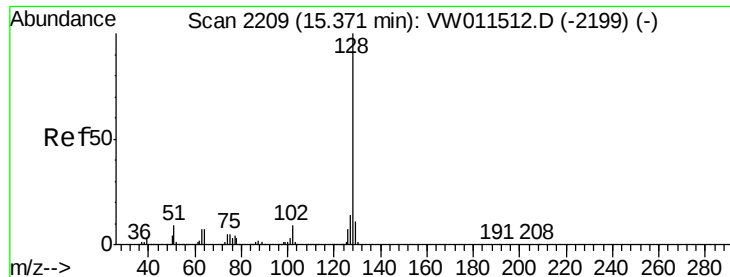
#94
 Hexachlorobutadiene
 Concen: 53.397 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion:225 Resp: 116071
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.8 92.3
 227 63.1 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

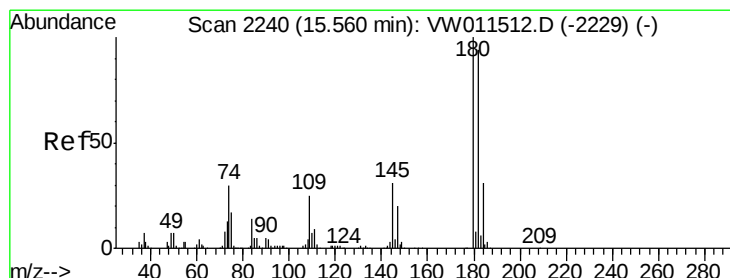
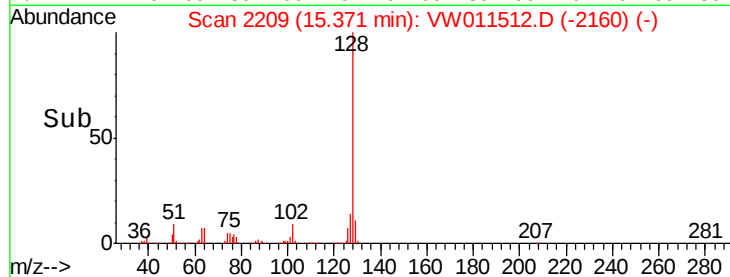
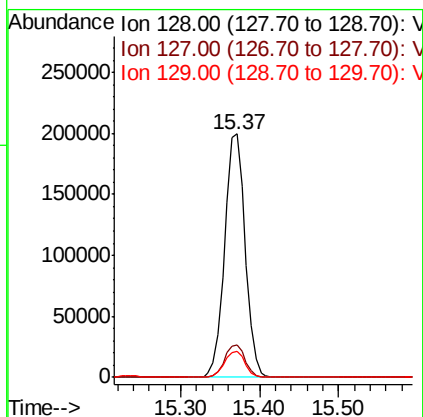
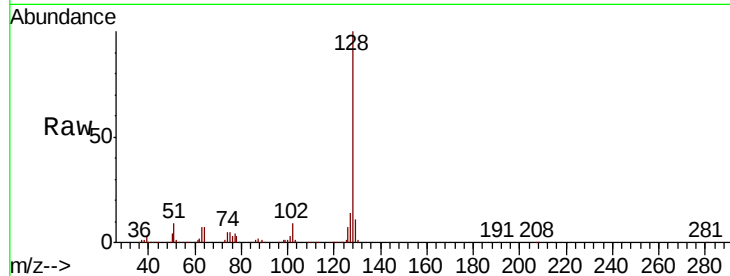




#95
Naphthalene
Concen: 58.438 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 361150
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.668 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion:180 Resp: 167032
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.2
145 31.8 15.9 47.7

