

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
 Data File : VW013495.D
 Acq On : 09 Oct 2019 09:44
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 10 02:36:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	434283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191178	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	121568	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.88	113	122089	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.32	98	511807	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.62	95	176445	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	52618	52.010	ug/l	94
3) Chloromethane	2.21	50	90041	50.633	ug/l	95
4) Vinyl Chloride	2.35	62	135490	51.653	ug/l	98
5) Bromomethane	2.78	94	81233	51.903	ug/l	94
6) Chloroethane	2.92	64	75014	50.923	ug/l	98
7) Trichlorofluoromethane	3.25	101	71147	57.327	ug/l	95
8) Diethyl Ether	3.68	74	68502	53.327	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	128712	50.321	ug/l	99
10) Methyl Iodide	4.27	142	206590	51.005	ug/l	99
11) Tert butyl alcohol	5.18	59	46879	282.435	ug/l	97
12) 1,1-Dichloroethene	4.04	96	135631	51.166	ug/l	95
13) Acrolein	3.88	56	62285	294.098	ug/l	98
14) Allyl chloride	4.67	41	212420	52.145	ug/l	100
15) Acrylonitrile	5.36	53	164965	274.766	ug/l	98
16) Acetone	4.13	43	165578	301.533	ug/l	97
17) Carbon Disulfide	4.38	76	381978	51.336	ug/l	99
18) Methyl Acetate	4.67	43	77309	49.149	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	213890	53.360	ug/l	98
20) Methylene Chloride	4.92	84	137675	51.980	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	143829	51.061	ug/l	96
22) Diisopropyl ether	6.31	45	402782	52.772	ug/l	99
23) Vinyl Acetate	6.25	43	1264632	275.981	ug/l	100
24) 1,1-Dichloroethane	6.21	63	239663	51.374	ug/l	97
25) 2-Butanone	7.17	43	223464	276.131	ug/l	98
26) 2,2-Dichloropropane	7.16	77	153620	51.081	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	153490	51.498	ug/l	100
28) Bromochloromethane	7.51	49	94156	52.030	ug/l #	99
29) Tetrahydrofuran	7.52	42	133326	269.559	ug/l	99
30) Chloroform	7.68	83	231007	51.193	ug/l	95
31) Cyclohexane	7.95	56	243891	49.394	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	190518	51.939	ug/l	99
36) 1,1-Dichloropropene	8.08	75	199532	50.789	ug/l	99
37) Ethyl Acetate	7.25	43	92568	51.932	ug/l	98
38) Carbon Tetrachloride	8.07	117	177680	51.018	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	255948	50.286	ug/l	98
40) Benzene	8.32	78	558600	50.936	ug/l	99
41) Methacrylonitrile	7.48	41	55186	54.445	ug/l	97
42) 1,2-Dichloroethane	8.40	62	146908	52.998	ug/l	99
43) Isopropyl Acetate	8.42	43	168129	52.209	ug/l	99
44) Trichloroethene	9.09	130	159130	50.864	ug/l	99
45) 1,2-Dichloropropane	9.37	63	135870	51.619	ug/l	99
46) Dibromomethane	9.46	93	68142	51.965	ug/l	98
47) Bromodichloromethane	9.64	83	169706	52.062	ug/l	97
48) Methyl methacrylate	9.43	41	80060	50.471	ug/l	96
49) 1,4-Dioxane	9.46	88	23215	1008.250	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	436834	258.016	ug/l	100
52) Toluene	10.38	92	363869	51.509	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	180298	53.230	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	218830	53.327	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	103372	52.519	ug/l	98
56) Ethyl methacrylate	10.65	69	142900	53.905	ug/l	99
57) 1,3-Dichloropropane	10.93	76	177205	52.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	352126	281.552	ug/l	99
59) 2-Hexanone	10.97	43	334353	287.997	ug/l	99
60) Dibromochloromethane	11.13	129	121441	53.652	ug/l	97
61) 1,2-Dibromoethane	11.24	107	99351	53.069	ug/l	99
64) Tetrachloroethene	10.86	164	136756	49.447	ug/l	98
65) Chlorobenzene	11.66	112	372940	49.946	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	132853	51.221	ug/l	99
67) Ethyl Benzene	11.73	91	678083	49.685	ug/l	97
68) m/p-Xylenes	11.84	106	524338	100.977	ug/l	100
69) o-Xylene	12.16	106	244782	51.022	ug/l	98
70) Styrene	12.18	104	422376	51.275	ug/l	99
71) Bromoform	12.35	173	76075	53.459	ug/l	99
73) Isopropylbenzene	12.46	105	680655	49.704	ug/l	99
74) N-amyl acetate	12.27	43	153605	51.287	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119072	51.013	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	150901	94.773	ug/l #	100
77) Bromobenzene	12.74	156	162199	49.970	ug/l	99
78) n-propylbenzene	12.80	91	786659	49.677	ug/l	99
79) 2-Chlorotoluene	12.89	91	432699	48.772	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	562711	49.455	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41338	53.071	ug/l	99
82) 4-Chlorotoluene	12.99	91	455948	49.515	ug/l	100
83) tert-Butylbenzene	13.21	119	501347	49.614	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	557348	49.528	ug/l	100
85) sec-Butylbenzene	13.38	105	691587	49.533	ug/l	100
86) p-Isopropyltoluene	13.50	119	642620	50.095	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	305691	49.667	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	305091	50.600	ug/l	99
89) n-Butylbenzene	13.82	91	591324	51.028	ug/l	99
90) Hexachloroethane	14.09	117	111142	50.635	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	270627	49.801	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17918	48.153	ug/l	95

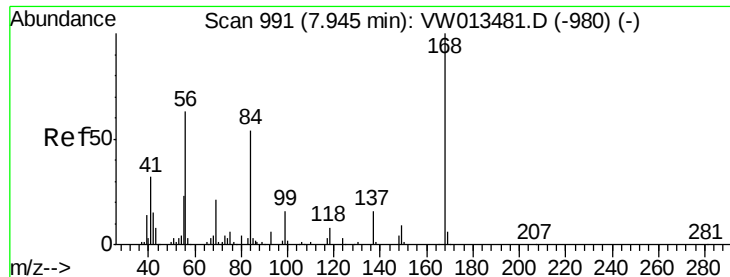
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
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Quant Title : SW846 8260
QLast Update : Wed Oct 09 05:54:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	200285	52.150	ug/l	100
94) Hexachlorobutadiene	15.24	225	129526	50.750	ug/l	99
95) Naphthalene	15.36	128	355532	53.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	177287	52.790	ug/l	98

(#) = 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: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

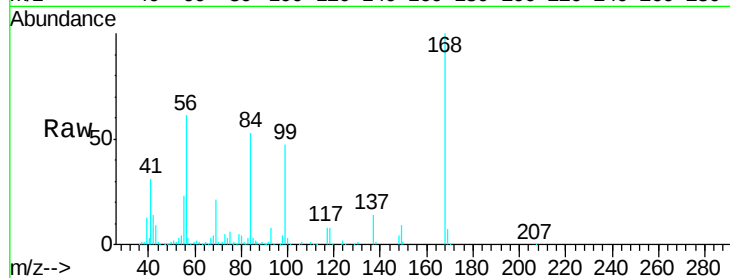
VSTDCCC050

Tgt Ion:168 Resp: 305424

Ion Ratio Lower Upper

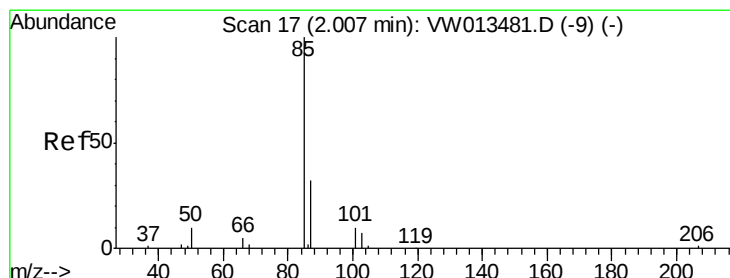
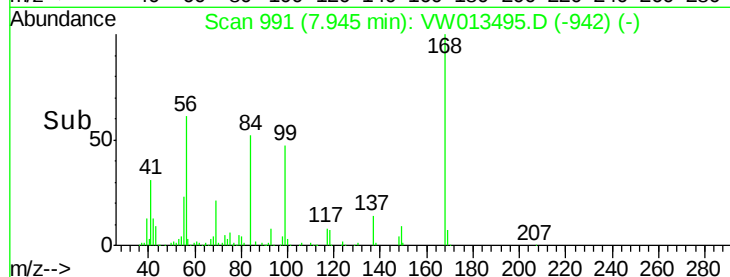
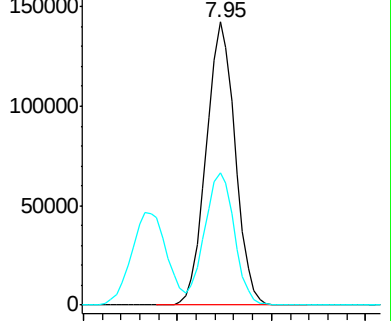
168 100

99 46.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.010 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013495.D

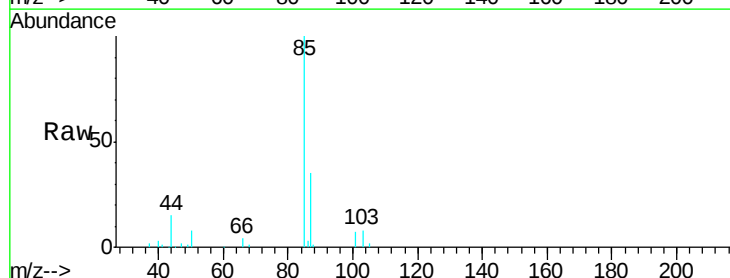
Acq: 09 Oct 2019 09:44

Tgt Ion: 85 Resp: 52618

Ion Ratio Lower Upper

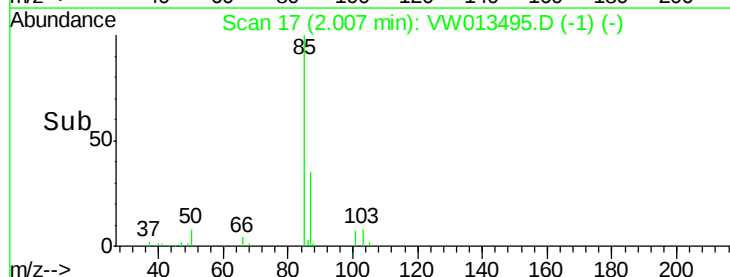
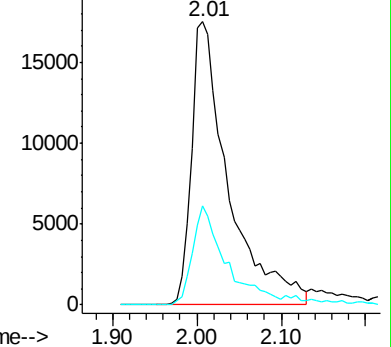
85 100

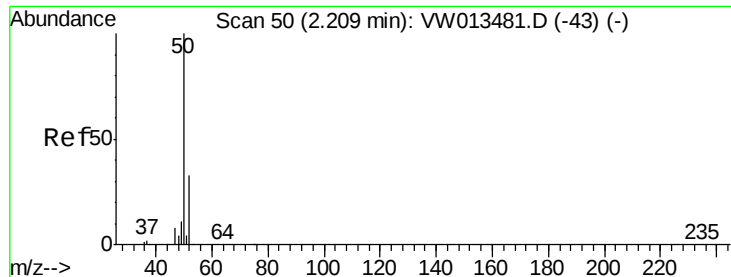
87 35.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.633 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

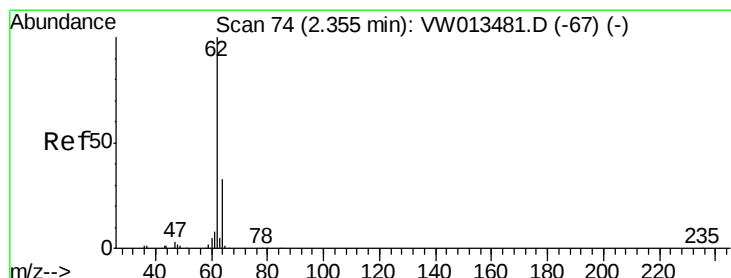
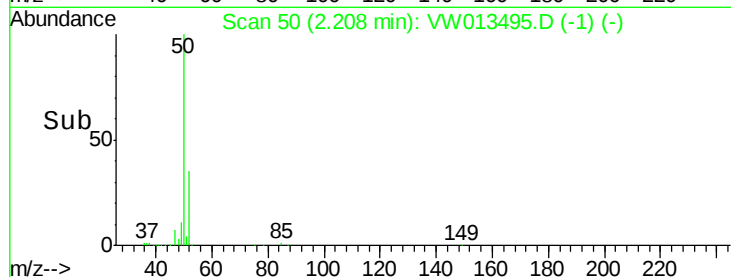
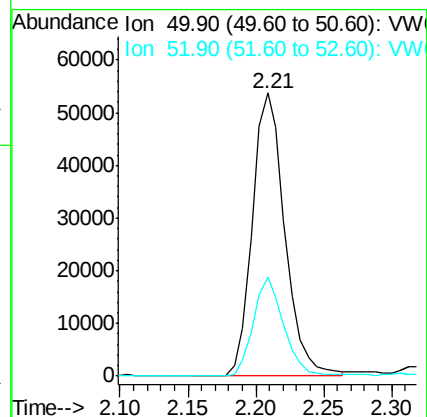
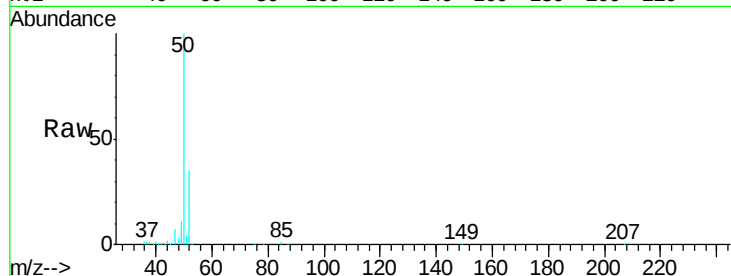
VSTDCCC050

Tgt Ion: 50 Resp: 90041

Ion Ratio Lower Upper

50 100

52 35.2 26.0 39.0



#4

Vinyl Chloride

Concen: 51.653 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013495.D

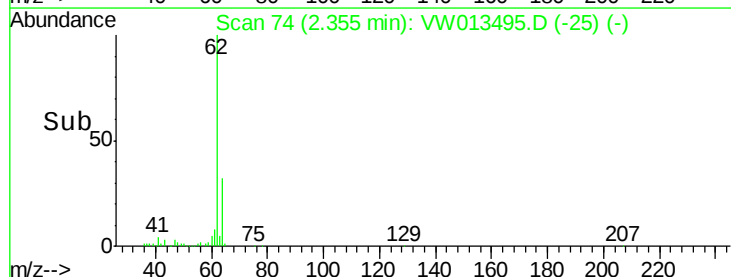
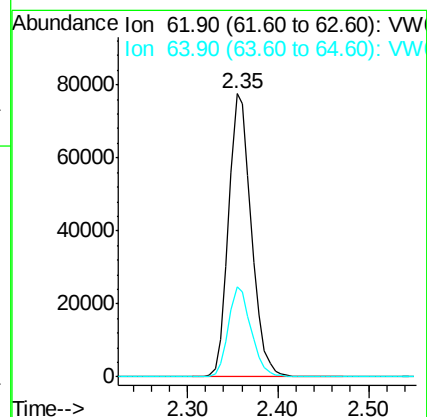
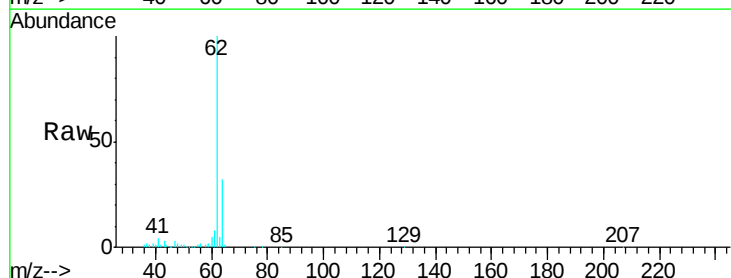
Acq: 09 Oct 2019 09:44

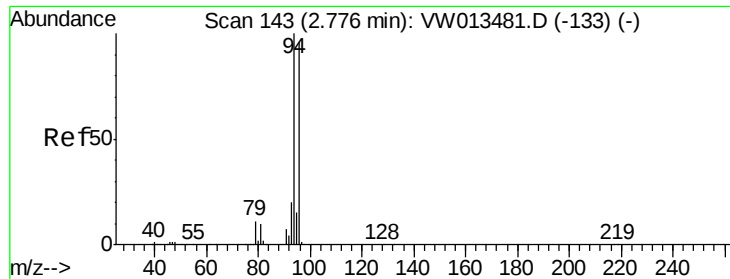
Tgt Ion: 62 Resp: 135490

Ion Ratio Lower Upper

62 100

64 31.9 26.6 39.8





#5

Bromomethane

Concen: 51.903 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

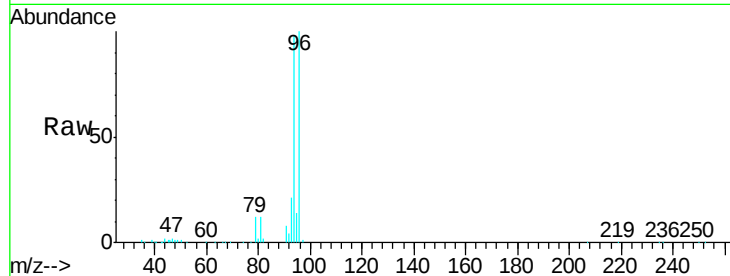
VSTDCCC050

Tgt Ion: 94 Resp: 81233

Ion Ratio Lower Upper

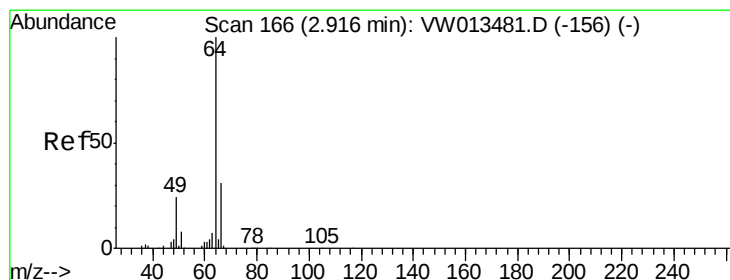
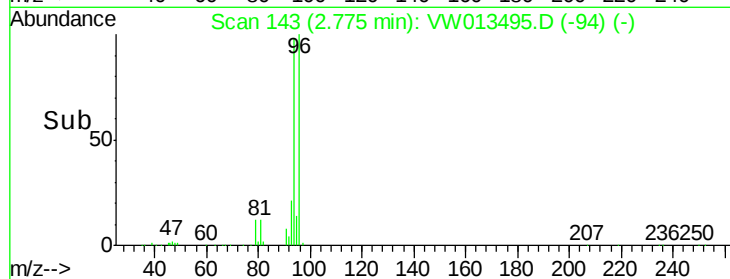
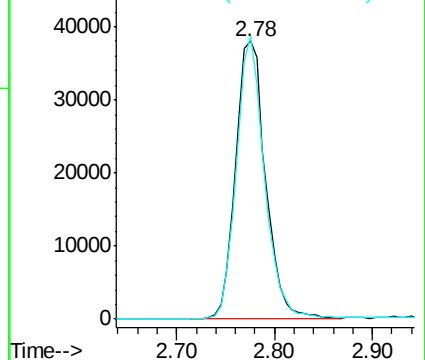
94 100

96 101.7 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.923 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013495.D

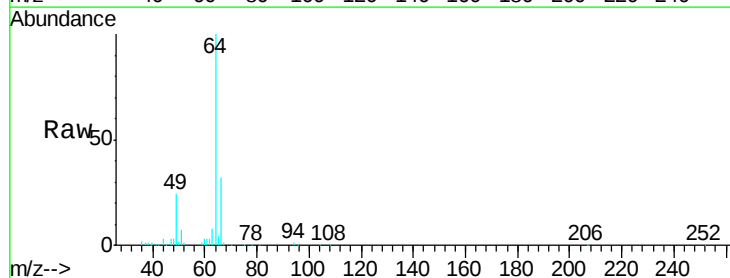
Acq: 09 Oct 2019 09:44

Tgt Ion: 64 Resp: 75014

Ion Ratio Lower Upper

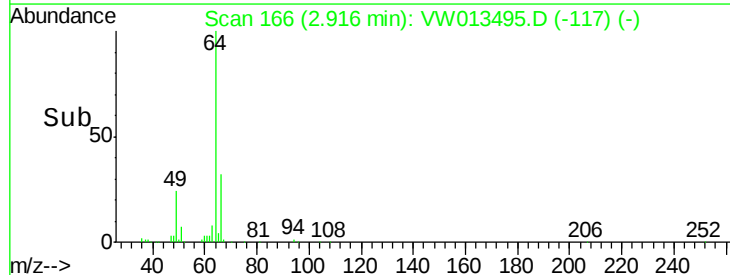
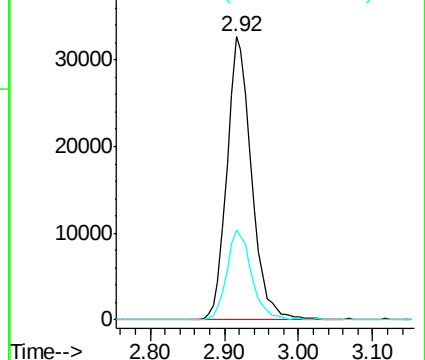
64 100

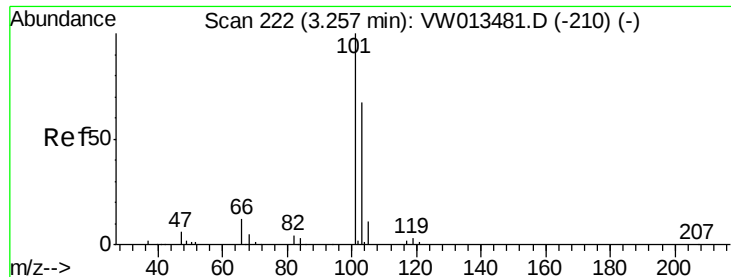
66 32.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



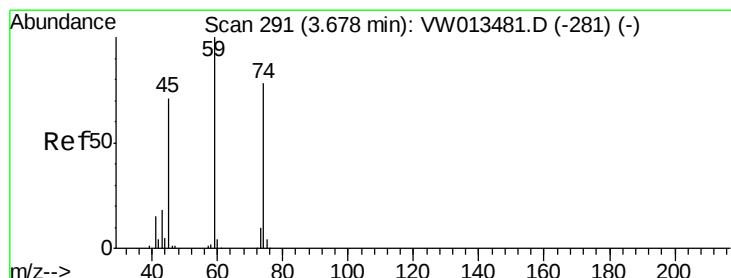
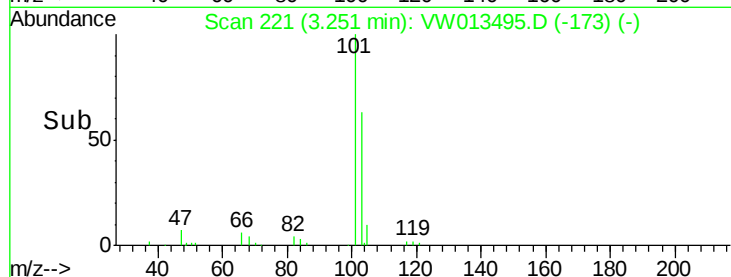
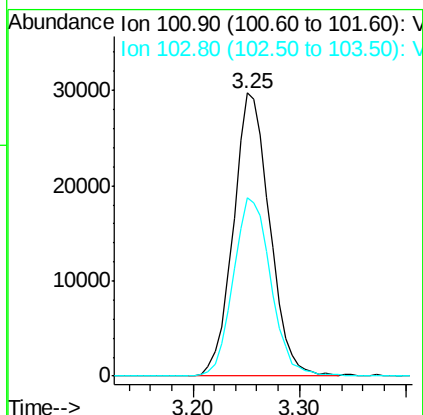
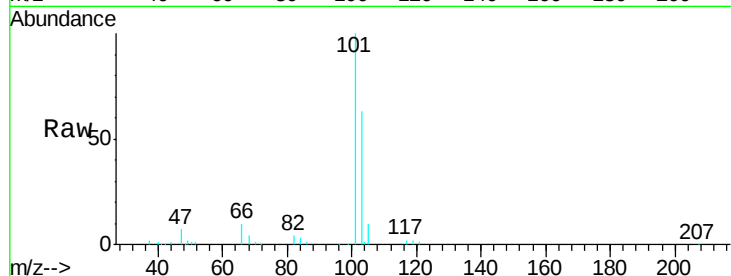


#7

Trichlorofluoromethane
 Concen: 57.327 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Instrument :
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 VSTDCCC050

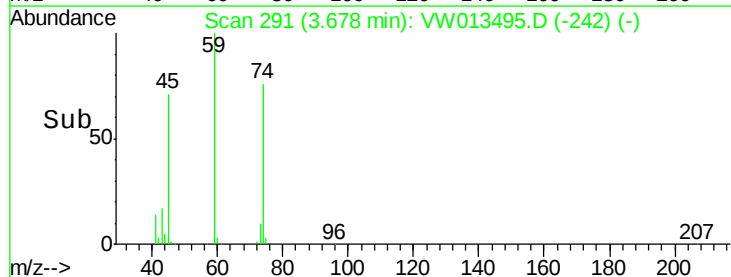
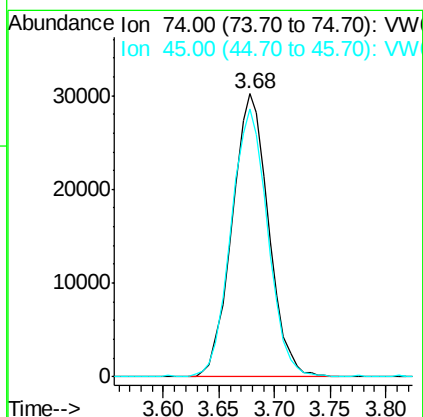
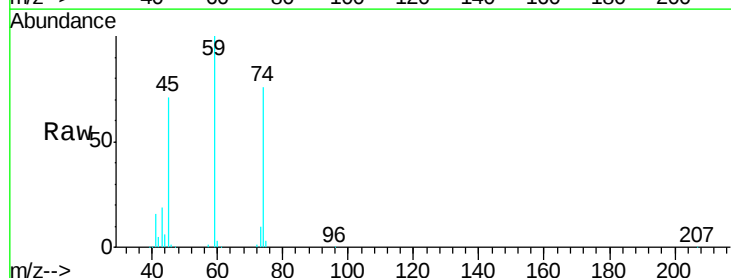
Tgt Ion:101 Resp: 71147
 Ion Ratio Lower Upper
 101 100
 103 62.9 53.7 80.5

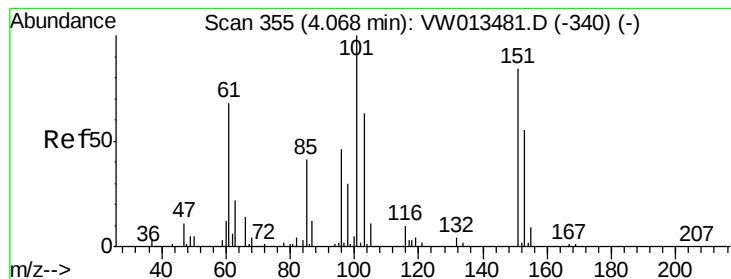


#8

Diethyl Ether
 Concen: 53.327 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion: 74 Resp: 68502
 Ion Ratio Lower Upper
 74 100
 45 95.5 50.0 150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.321 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

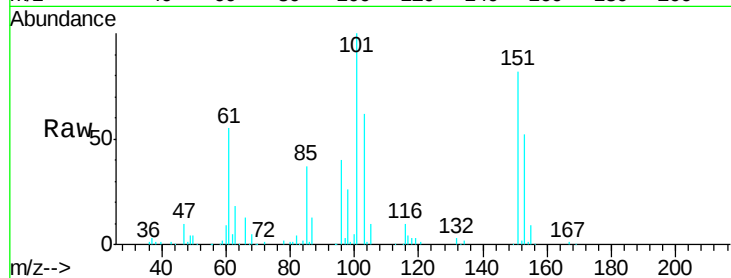
Tgt Ion:101 Resp: 128712

Ion Ratio Lower Upper

101 100

85 40.8 31.6 47.4

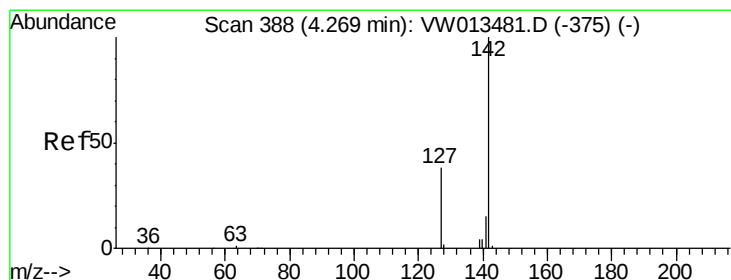
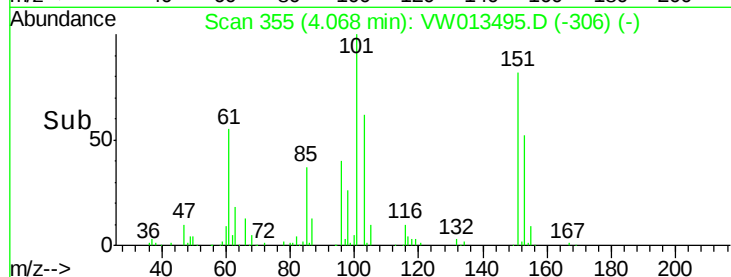
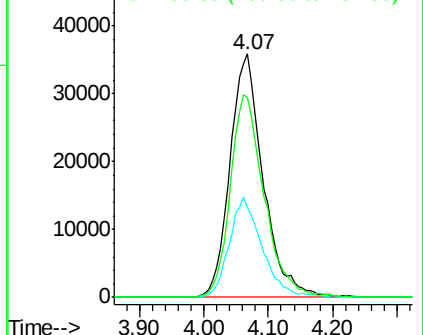
151 85.1 67.5 101.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.005 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

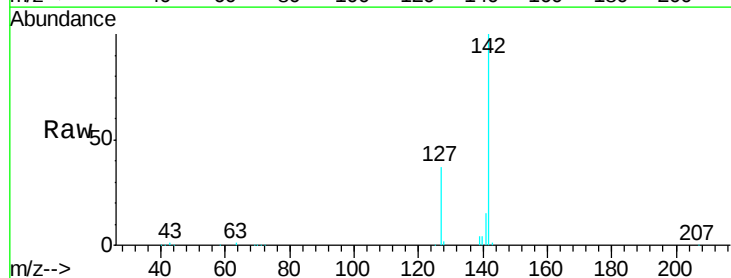
Tgt Ion:142 Resp: 206590

Ion Ratio Lower Upper

142 100

127 37.8 29.6 44.4

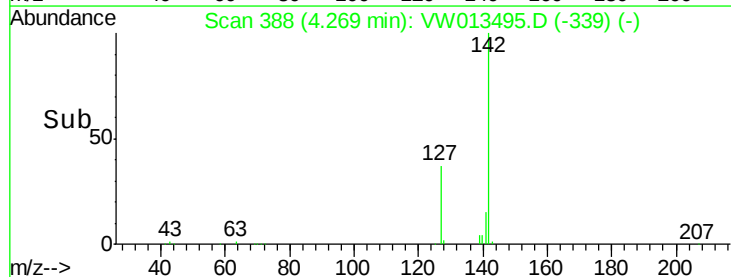
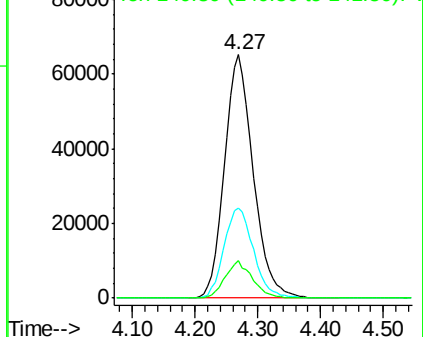
141 14.7 12.1 18.1

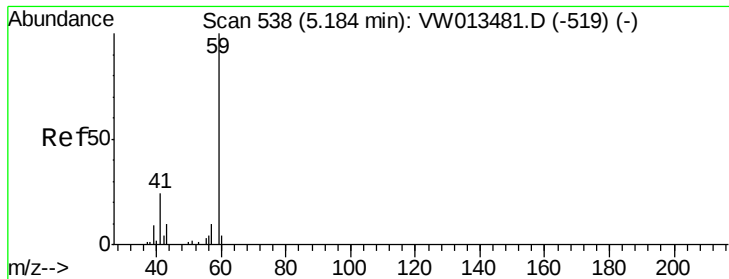


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



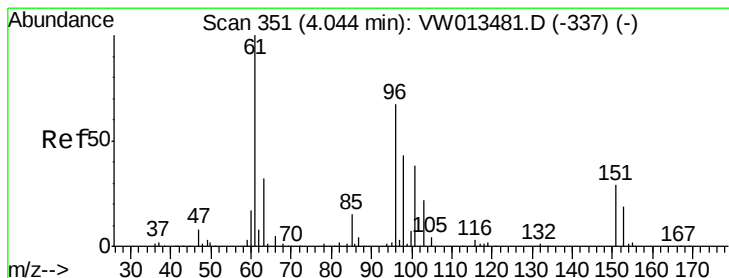
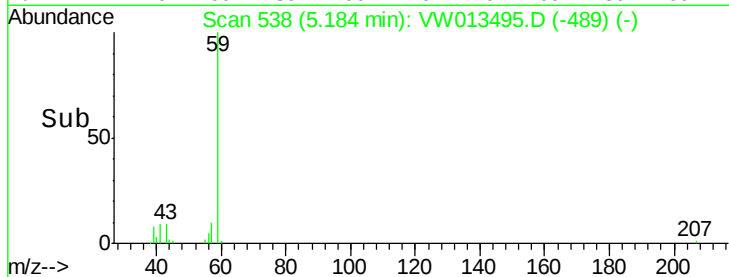
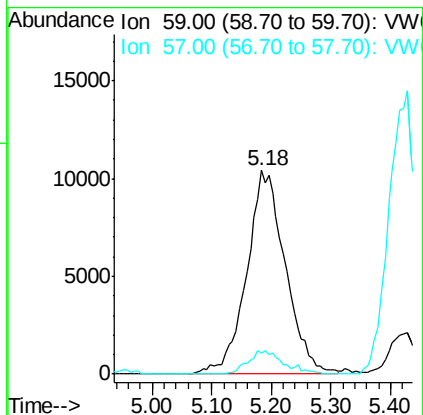
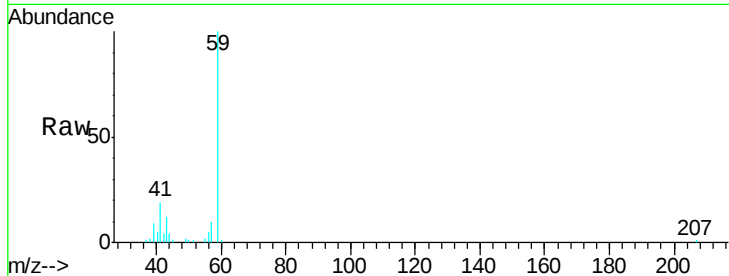


#11

Tert butyl alcohol
Concen: 282.435 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

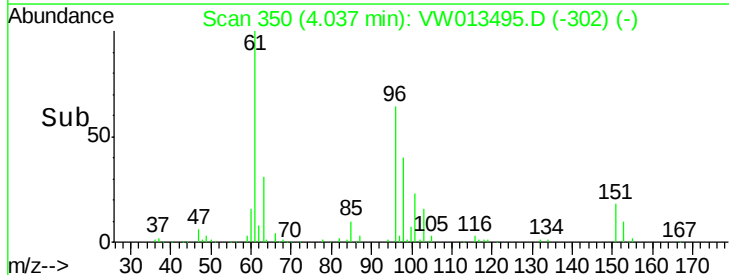
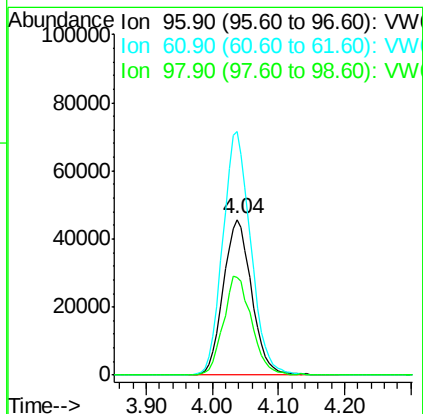
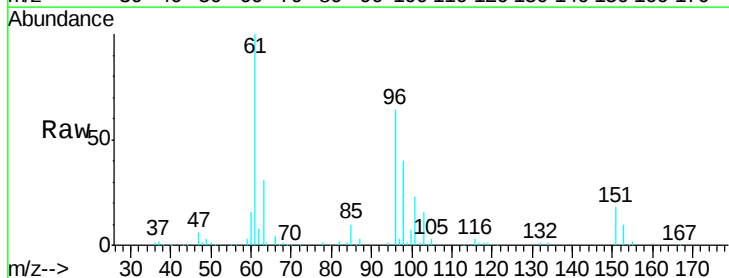
Tgt Ion: 59 Resp: 46879
Ion Ratio Lower Upper
59 100
57 9.1 8.2 12.4

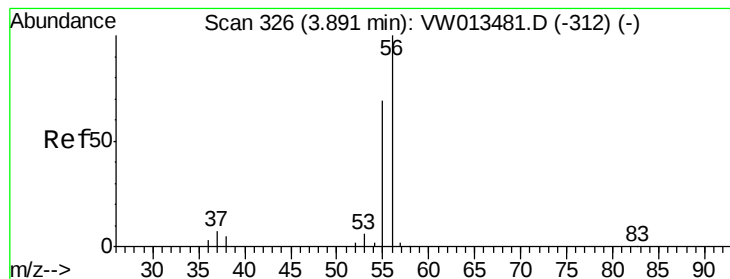


#12

1,1-Dichloroethene
Concen: 51.166 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 96 Resp: 135631
Ion Ratio Lower Upper
96 100
61 156.5 119.4 179.0
98 62.4 51.1 76.7





#13

Acrolein

Concen: 294.098 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

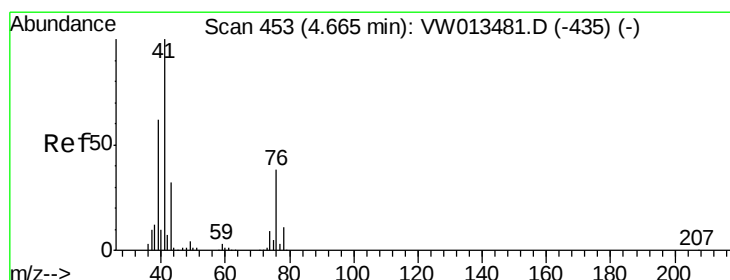
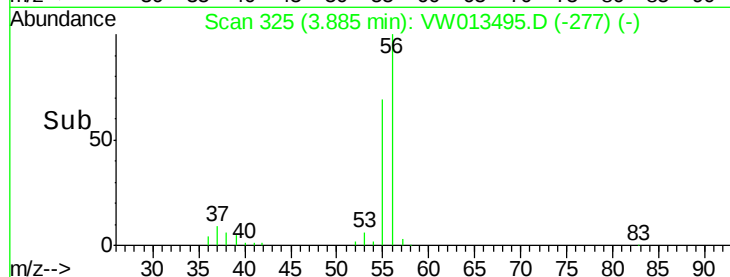
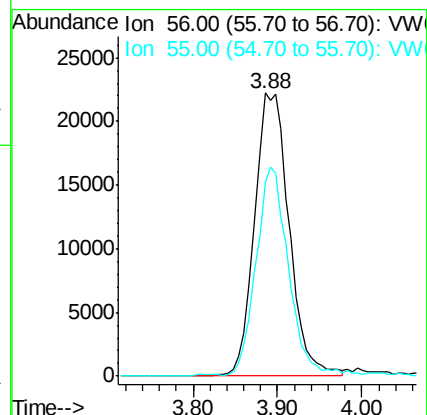
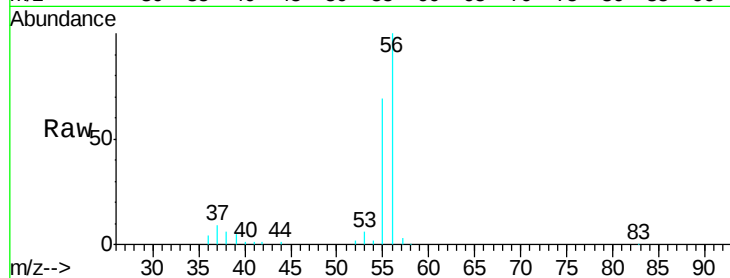
VSTDCCC050

Tgt Ion: 56 Resp: 62285

Ion Ratio Lower Upper

56 100

55 68.6 55.9 83.9



#14

Allyl chloride

Concen: 52.145 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

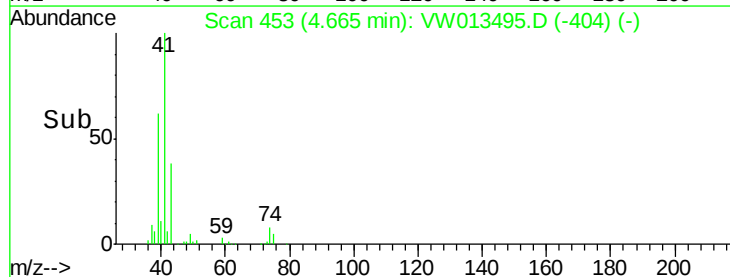
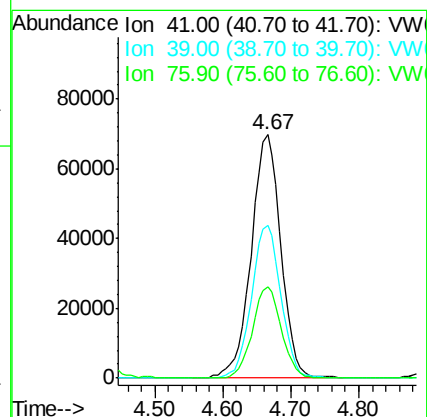
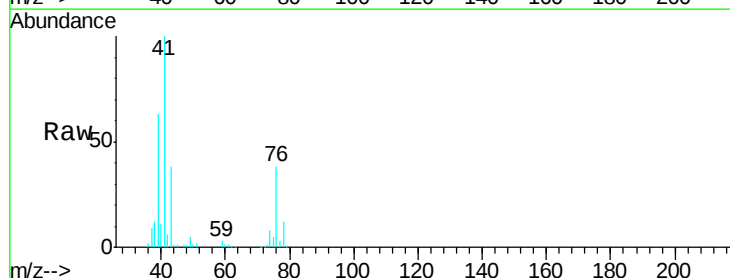
Tgt Ion: 41 Resp: 212420

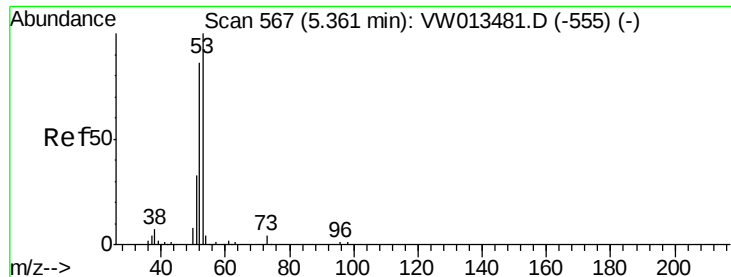
Ion Ratio Lower Upper

41 100

39 62.2 50.1 75.1

76 36.4 29.0 43.4





#15

Acrylonitrile

Concen: 274.766 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

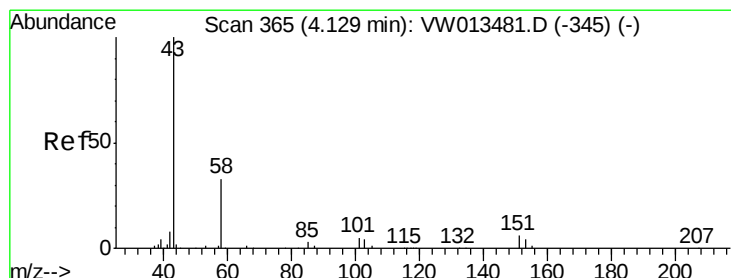
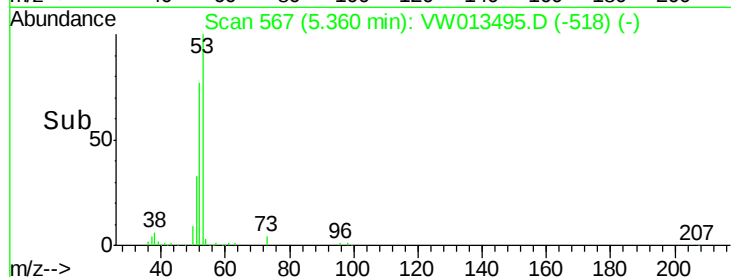
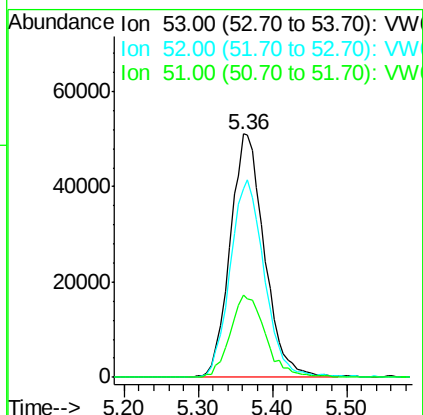
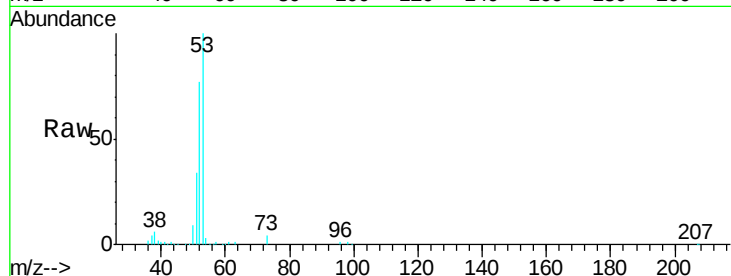
Tgt Ion: 53 Resp: 164965

Ion Ratio Lower Upper

53 100

52 80.3 65.8 98.8

51 34.8 28.6 42.8



#16

Acetone

Concen: 301.533 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013495.D

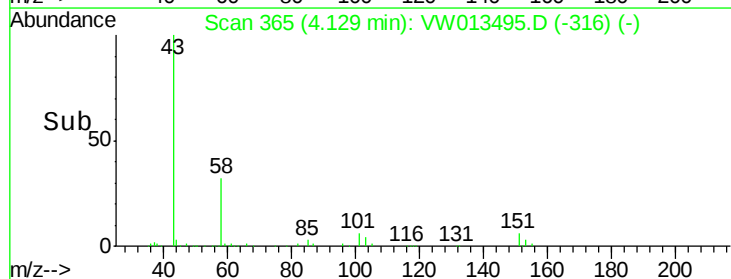
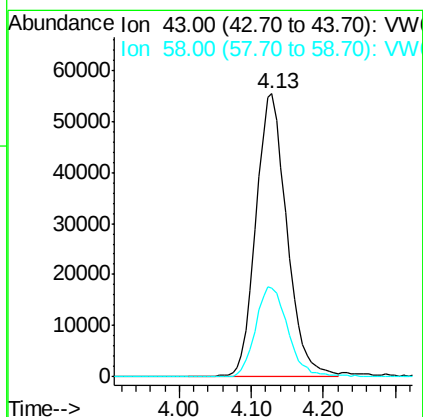
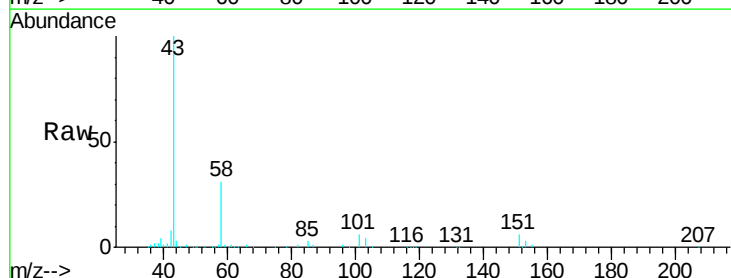
Acq: 09 Oct 2019 09:44

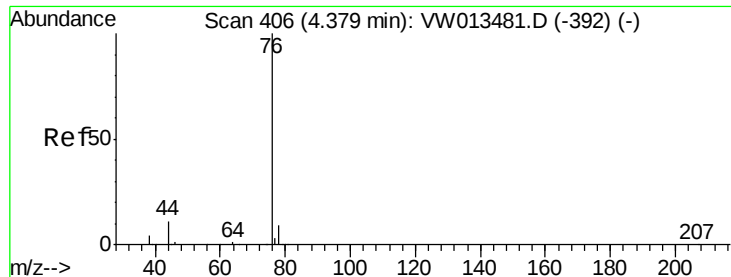
Tgt Ion: 43 Resp: 165578

Ion Ratio Lower Upper

43 100

58 31.0 26.1 39.1

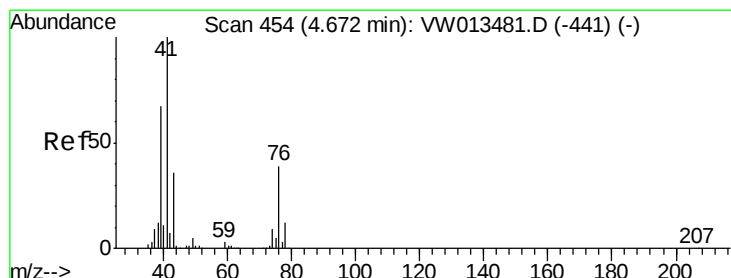
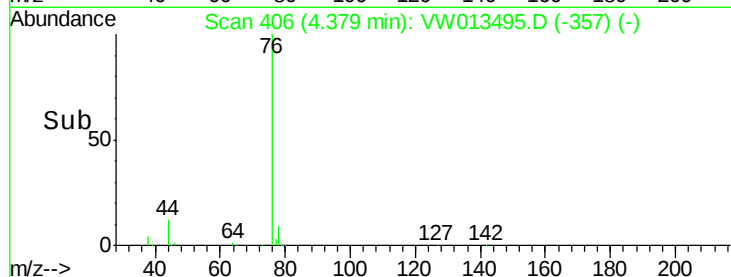
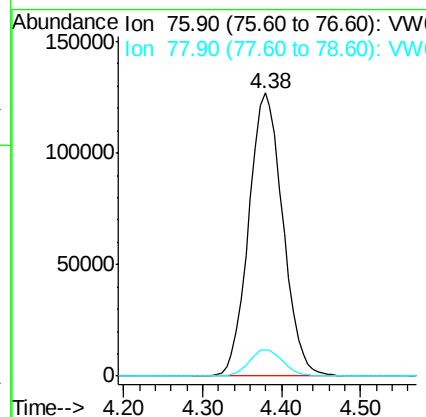
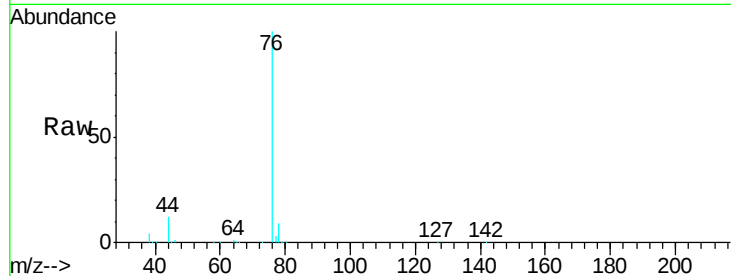




#17
Carbon Disulfide
Concen: 51.336 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

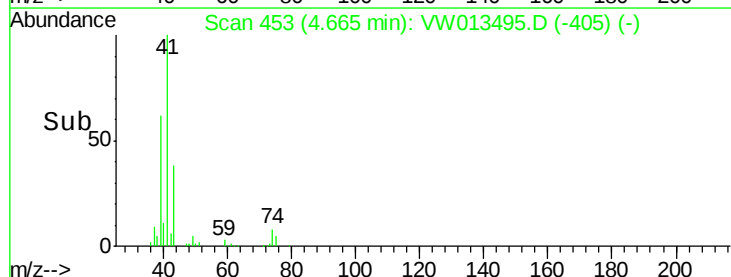
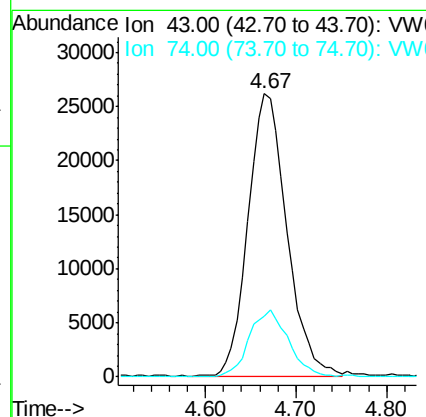
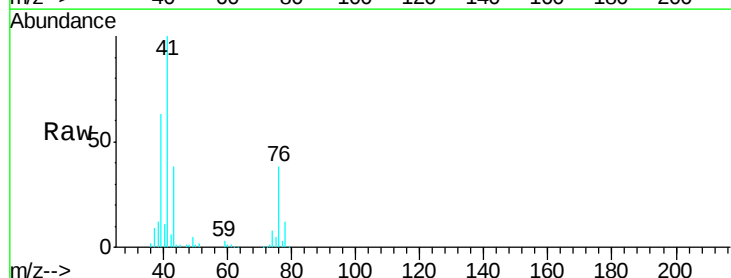
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

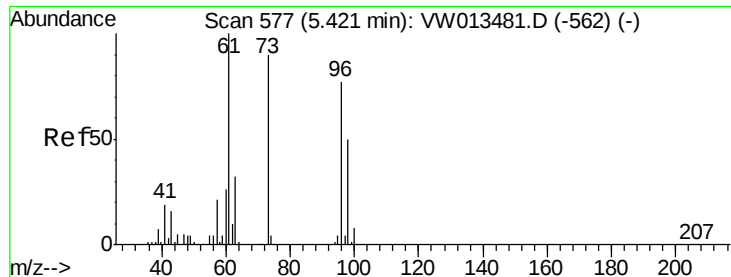
Tgt Ion: 76 Resp: 381978
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 49.149 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 43 Resp: 77309
Ion Ratio Lower Upper
43 100
74 24.0 19.6 29.4

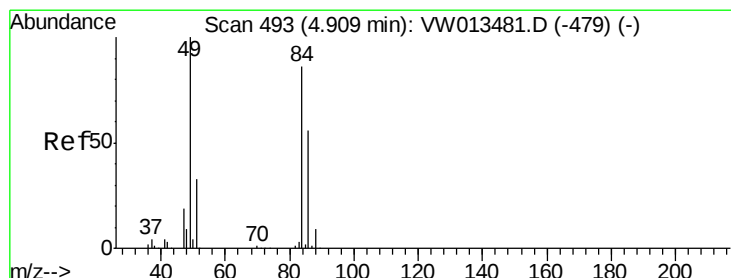
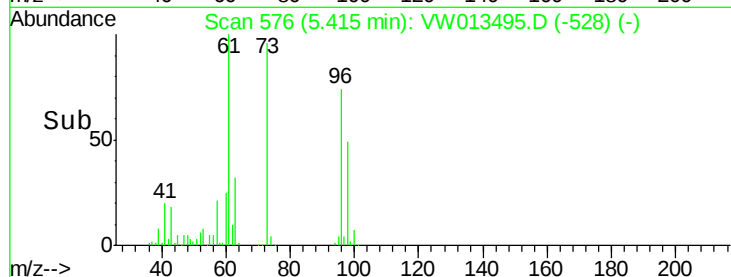
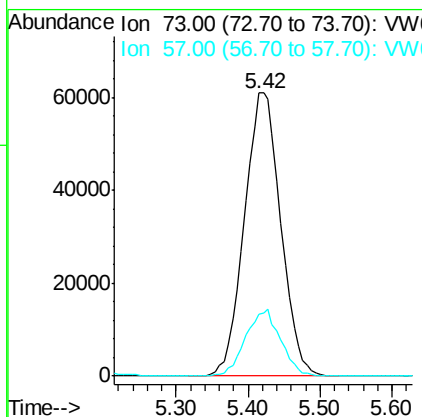
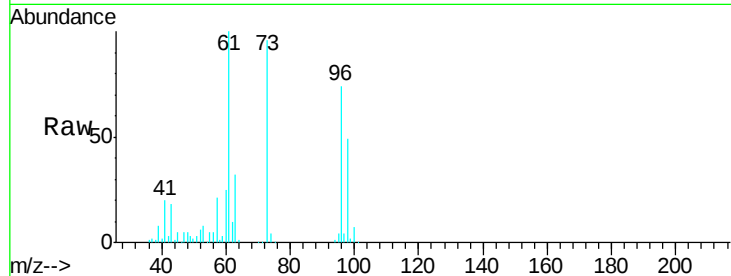




#19
Methyl tert-butyl Ether
Concen: 53.360 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

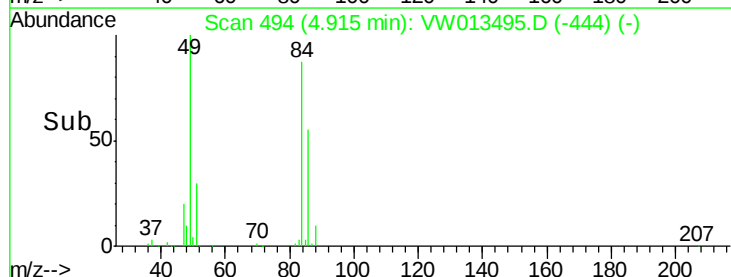
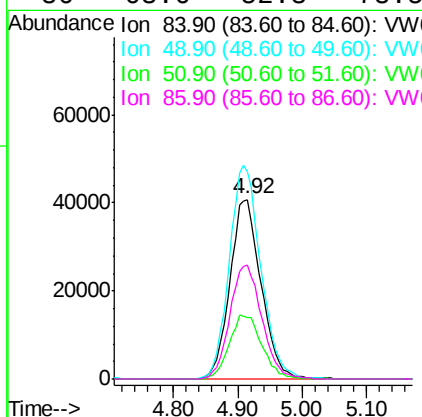
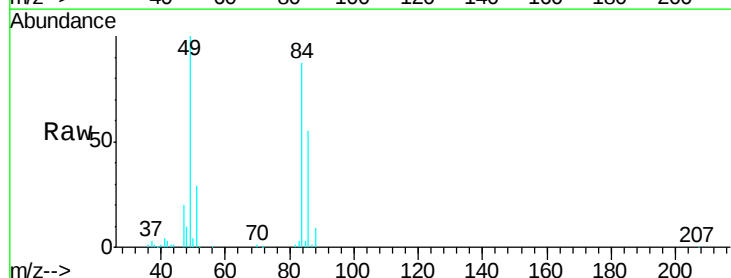
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

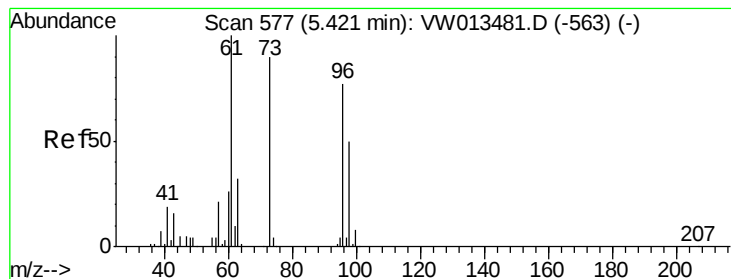
Tgt Ion: 73 Resp: 213890
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8



#20
Methylene Chloride
Concen: 51.980 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 84 Resp: 137675
Ion Ratio Lower Upper
84 100
49 115.2 93.4 140.0
51 34.0 30.6 46.0
86 63.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.061 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

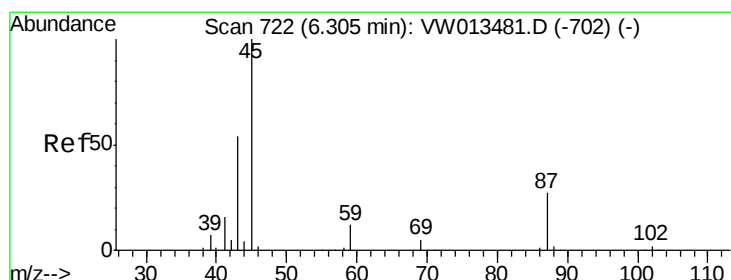
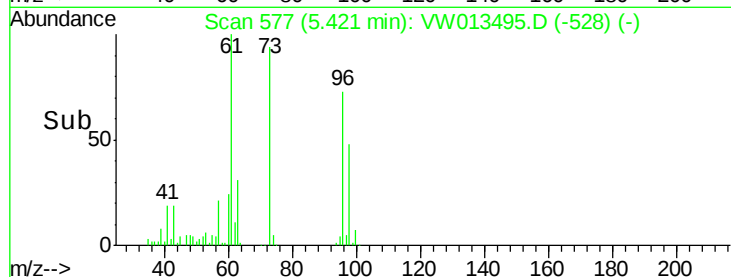
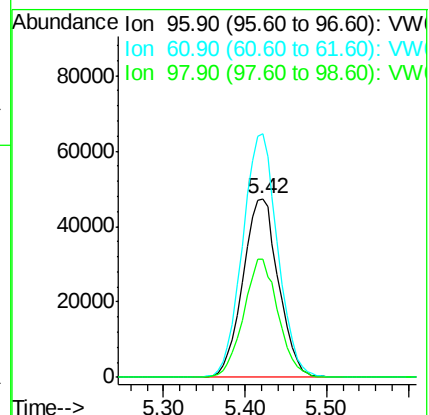
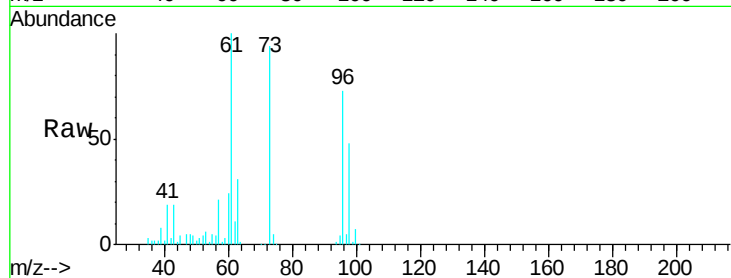
Tgt Ion: 96 Resp: 143829

Ion Ratio Lower Upper

96 100

61 136.1 104.3 156.5

98 66.0 51.8 77.8



#22

Diisopropyl ether

Concen: 52.772 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Tgt Ion: 45 Resp: 402782

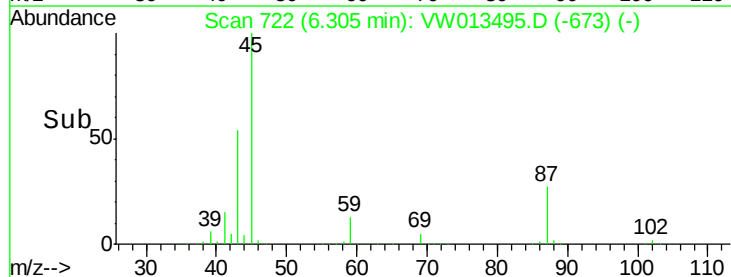
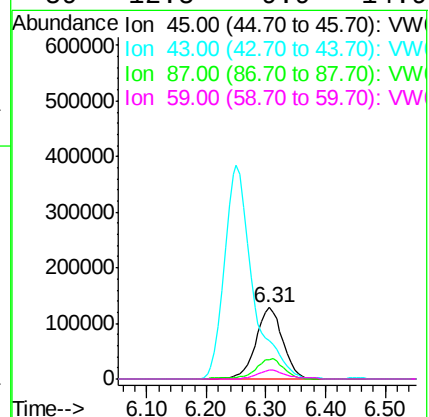
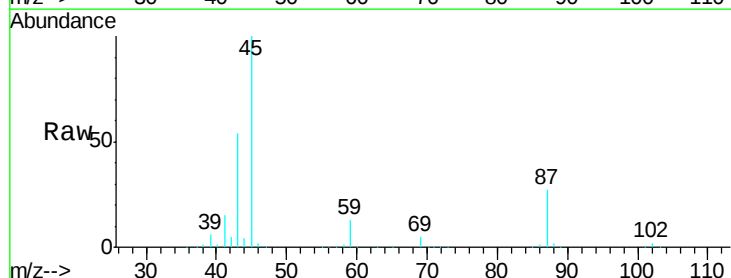
Ion Ratio Lower Upper

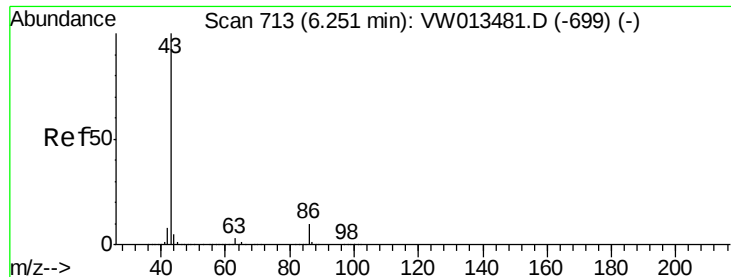
45 100

43 53.9 43.4 65.0

87 26.9 22.1 33.1

59 12.5 9.9 14.9





#23

Vinyl Acetate

Concen: 275.981 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

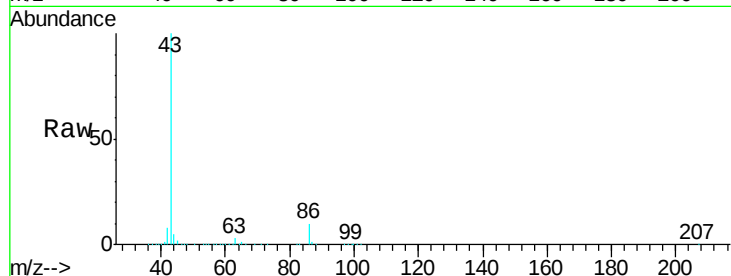
VSTDCCC050

Tgt Ion: 43 Resp: 1264632

Ion Ratio Lower Upper

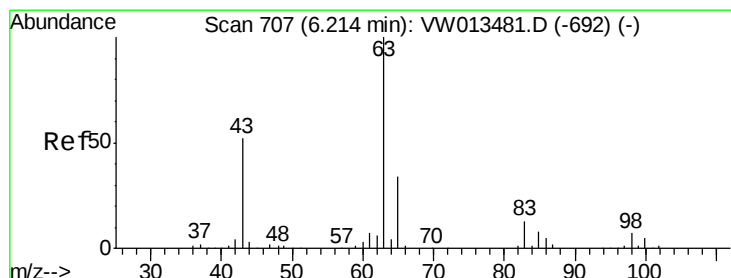
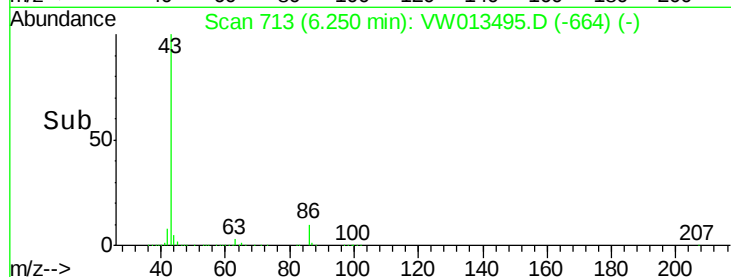
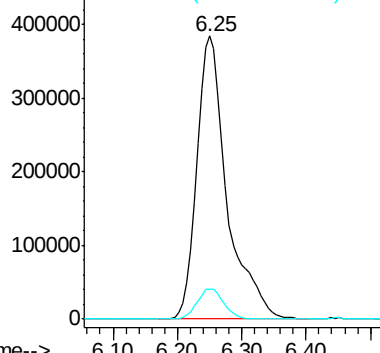
43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.374 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

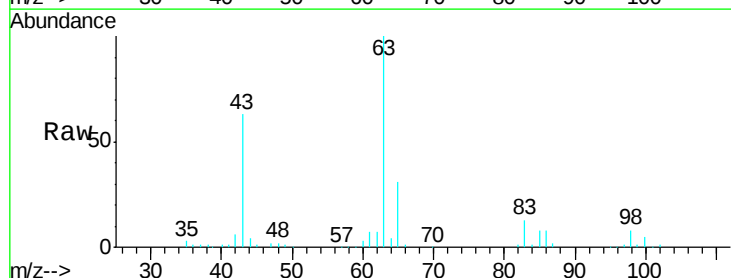
Tgt Ion: 63 Resp: 239663

Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.6

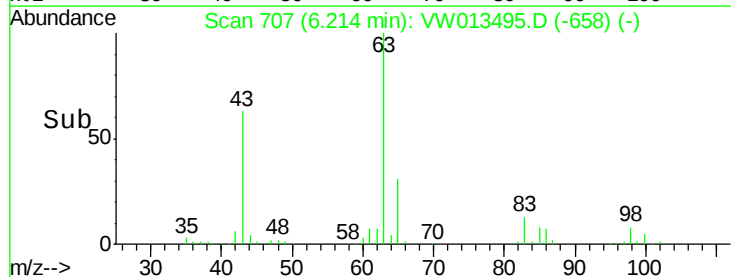
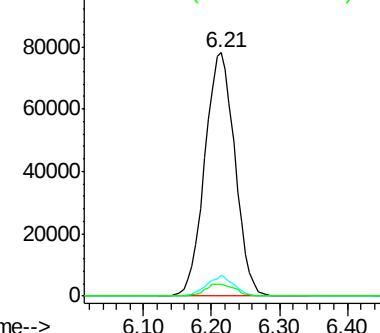
100 4.8 2.3 6.8

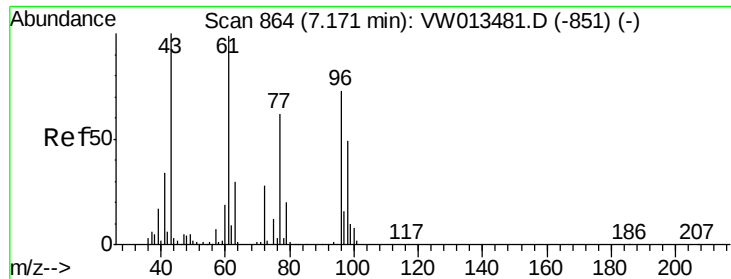


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 276.131 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

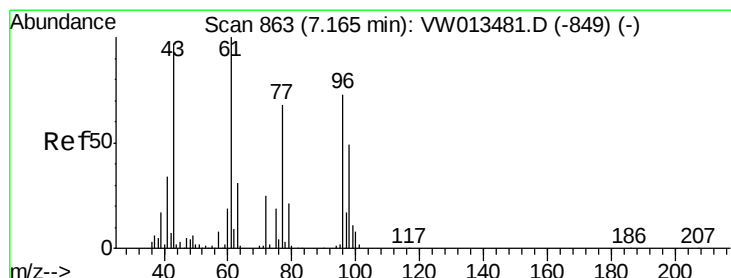
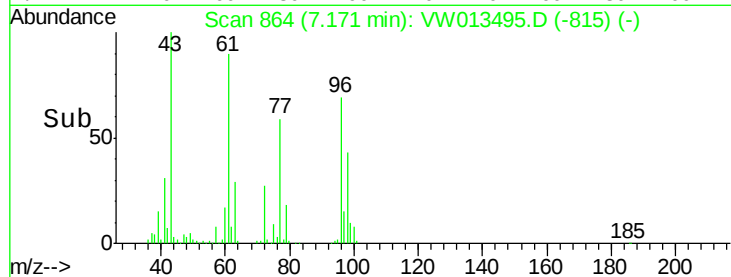
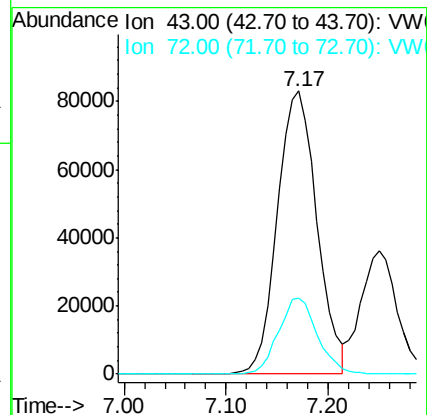
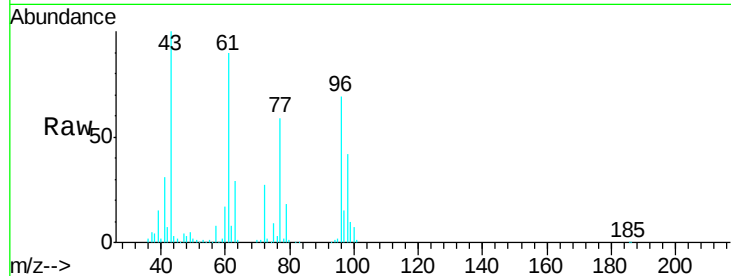
VSTDCCC050

Tgt Ion: 43 Resp: 223464

Ion Ratio Lower Upper

43 100

72 26.7 22.1 33.1



#26

2,2-Dichloropropane

Concen: 51.081 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013495.D

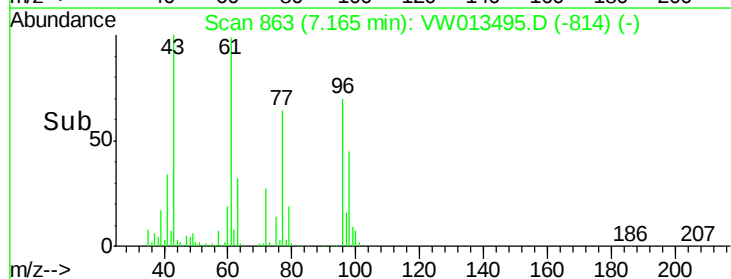
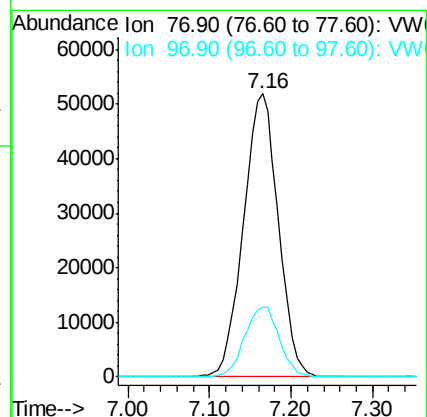
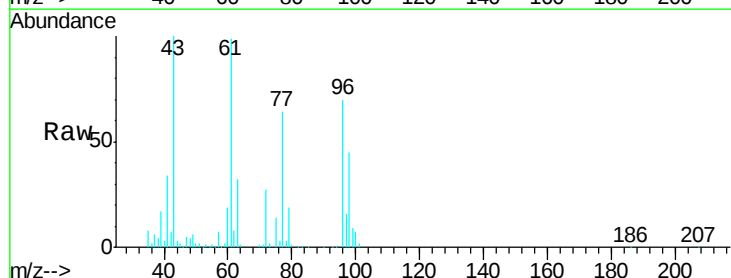
Acq: 09 Oct 2019 09:44

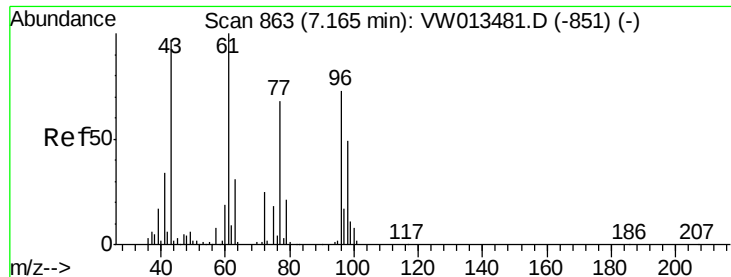
Tgt Ion: 77 Resp: 153620

Ion Ratio Lower Upper

77 100

97 24.5 12.6 37.6



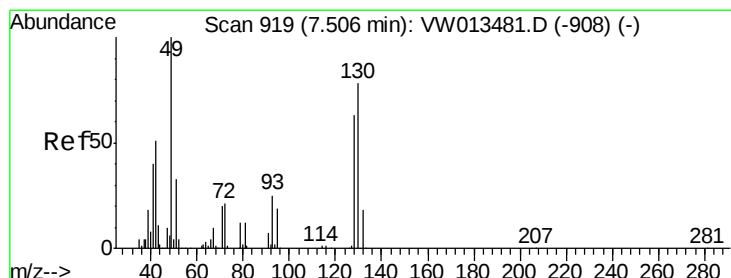
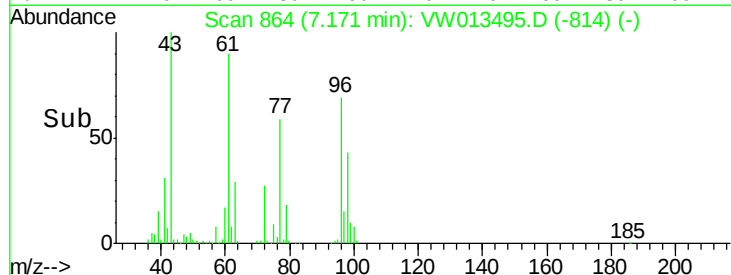
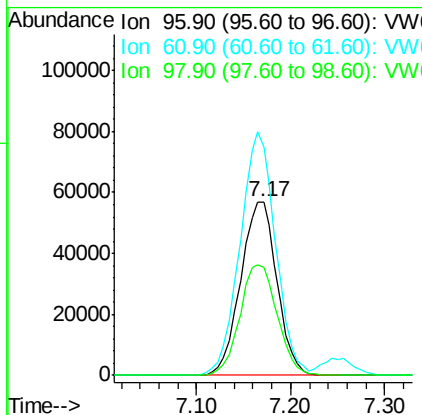
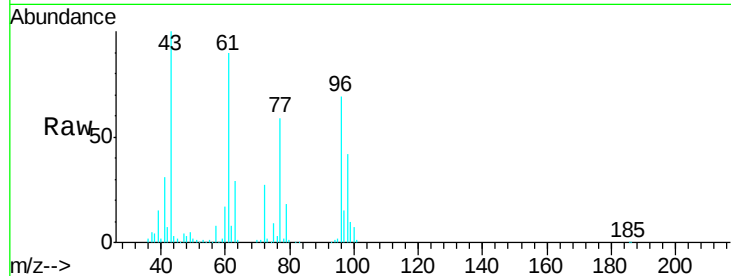


#27

cis-1,2-Dichloroethene
 Concen: 51.498 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

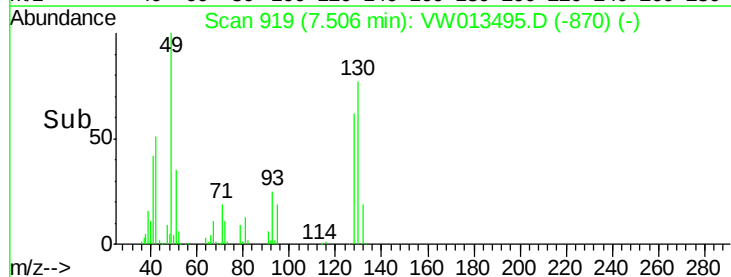
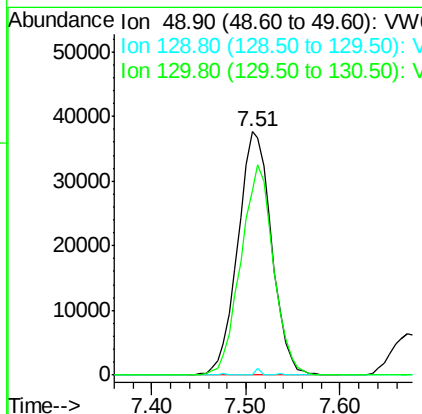
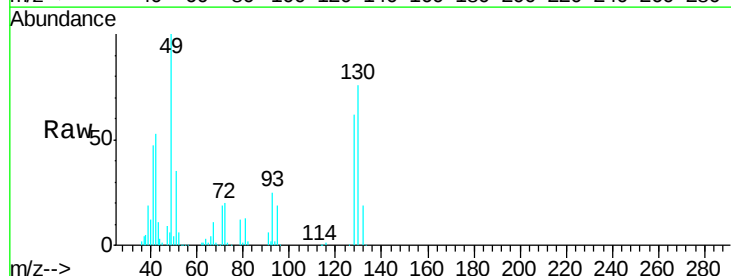
Tgt Ion: 96 Resp: 153490
 Ion Ratio Lower Upper
 96 100
 61 137.1 0.0 274.4
 98 65.1 0.0 130.2

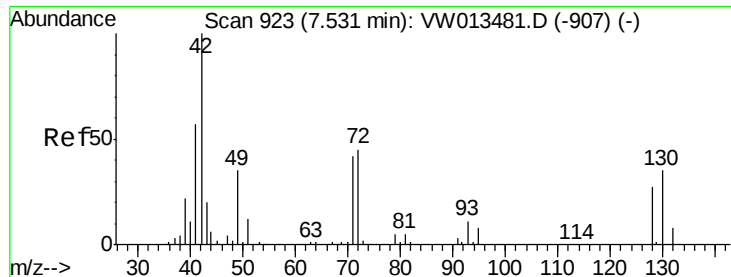


#28

Bromochloromethane
 Concen: 52.030 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion: 49 Resp: 94156
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 1.6
 130 83.8 0.0 0.0#

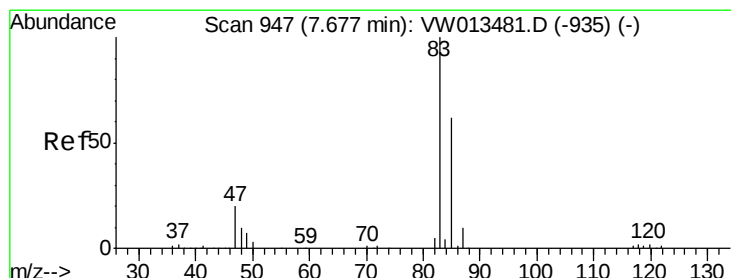
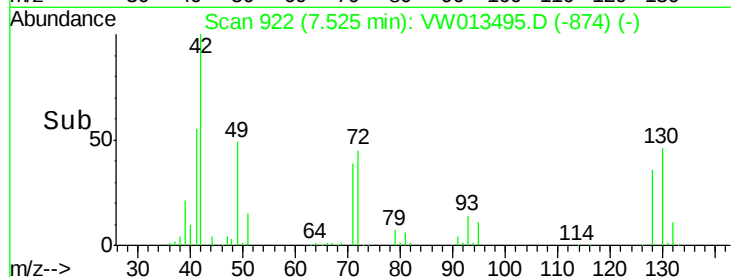
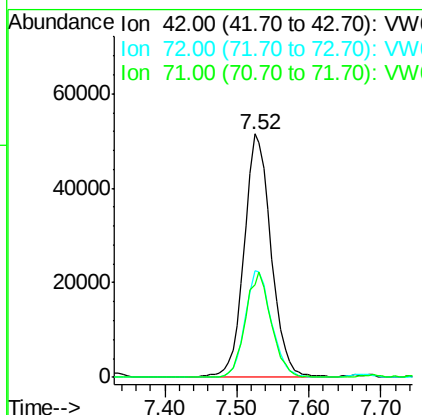
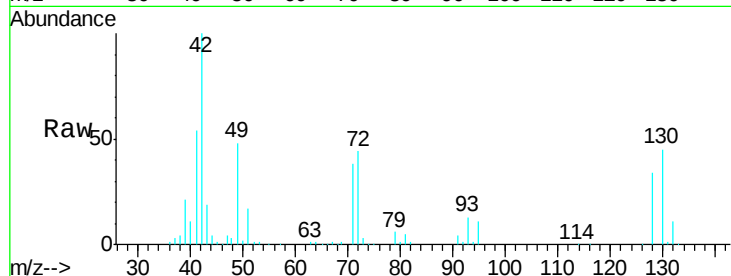




#29
Tetrahydrofuran
Concen: 269.559 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

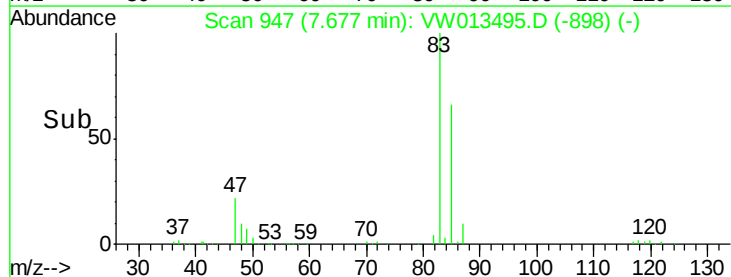
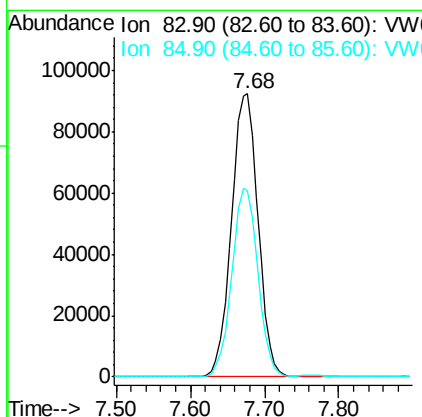
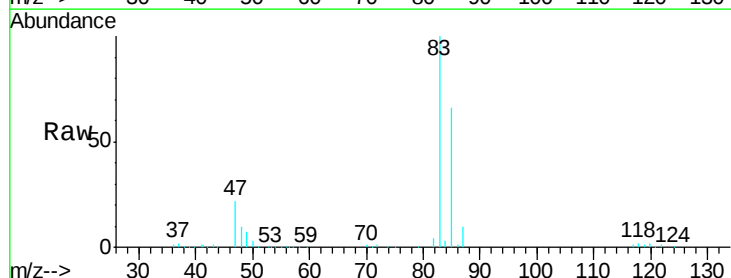
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

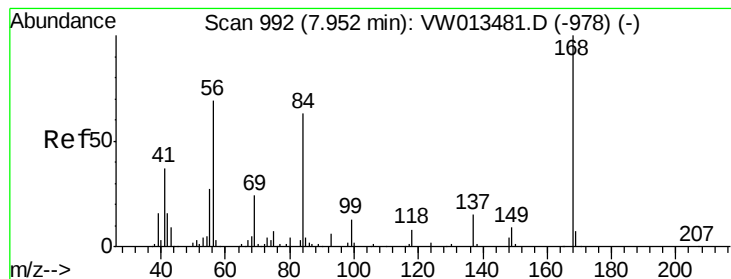
Tgt Ion: 42 Resp: 133326
Ion Ratio Lower Upper
42 100
72 42.8 34.8 52.2
71 41.4 33.6 50.4



#30
Chloroform
Concen: 51.193 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 83 Resp: 231007
Ion Ratio Lower Upper
83 100
85 65.7 49.4 74.2





#31

Cyclohexane

Concen: 49.394 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

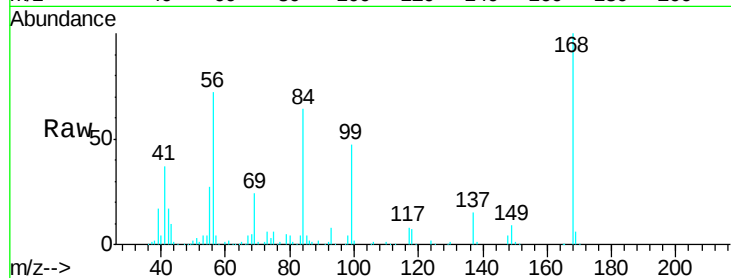
Tgt Ion: 56 Resp: 243891

Ion Ratio Lower Upper

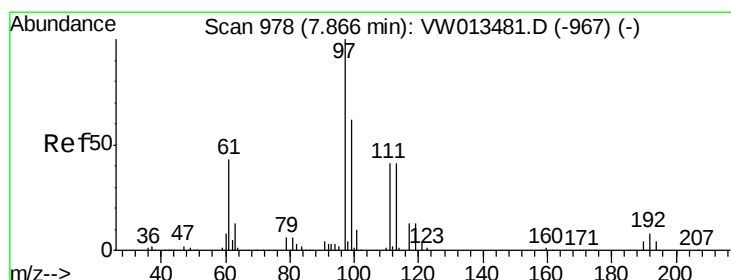
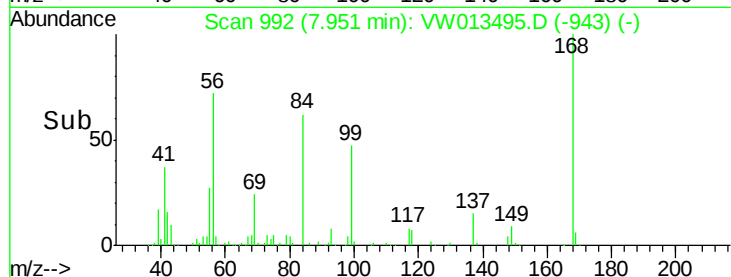
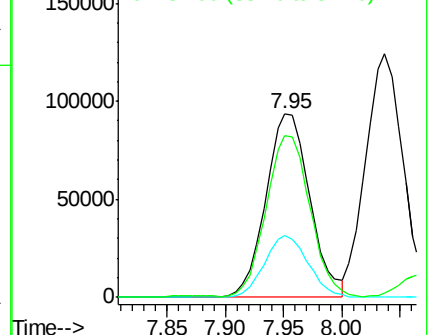
56 100

69 33.7 28.0 42.0

84 87.5 71.8 107.6



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: 51.939 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

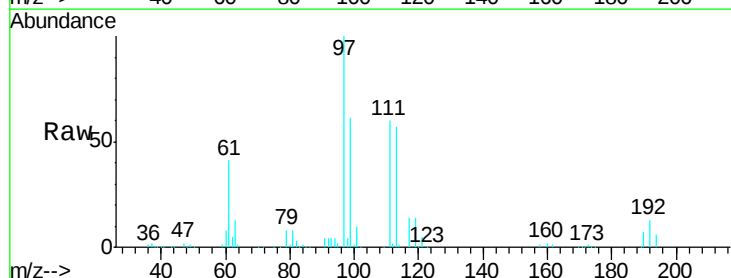
Tgt Ion: 97 Resp: 190518

Ion Ratio Lower Upper

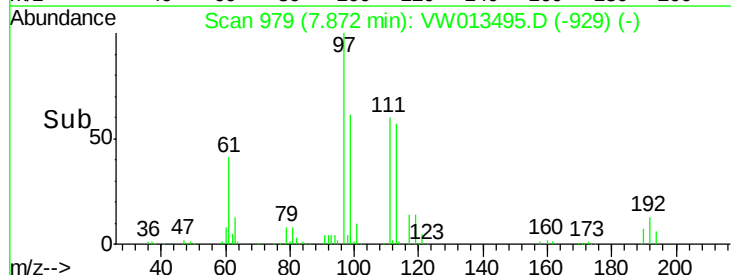
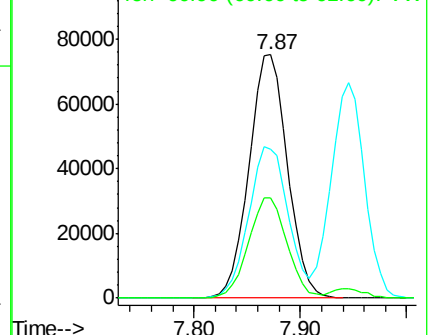
97 100

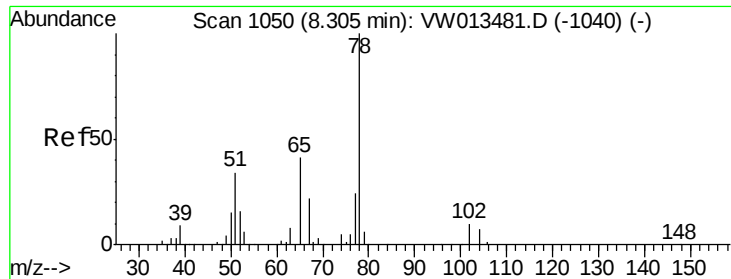
99 64.4 52.3 78.5

61 41.4 33.7 50.5



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: 51.518 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

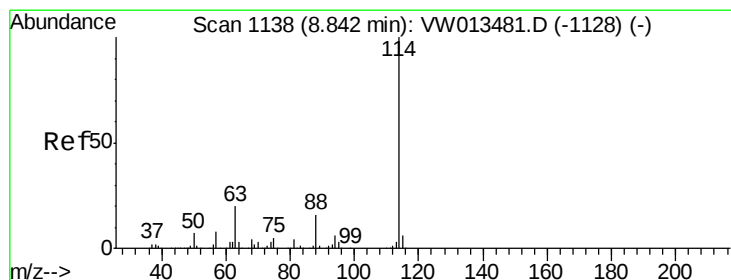
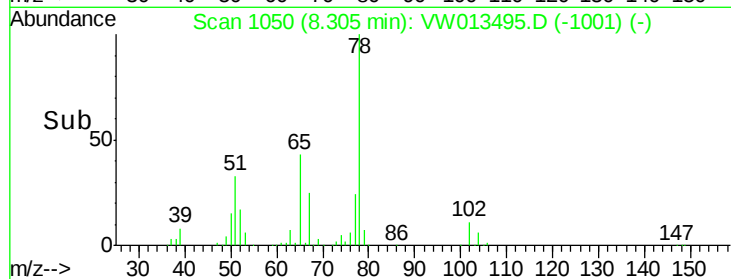
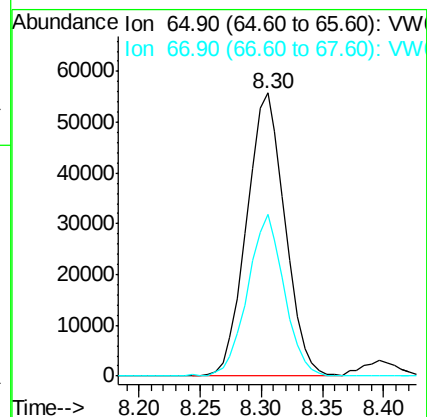
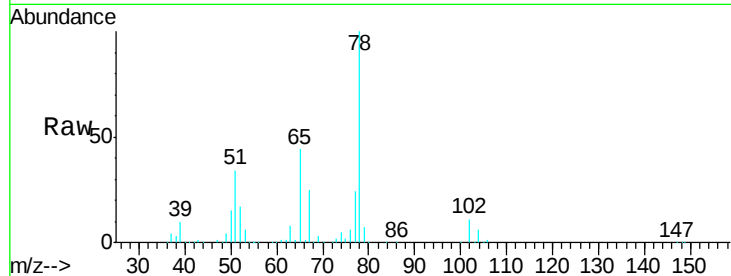
VSTDCCC050

Tgt Ion: 65 Resp: 121568

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

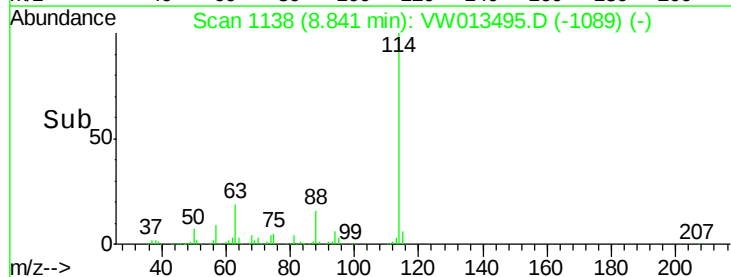
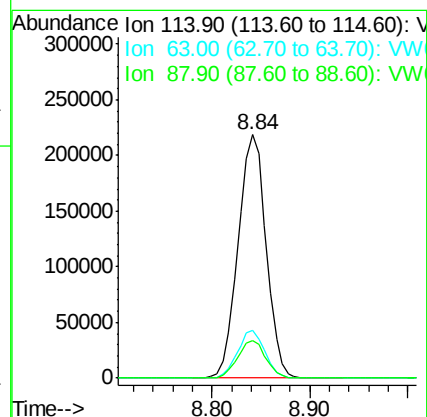
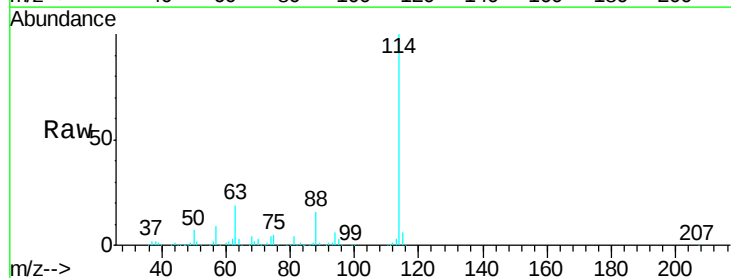
Tgt Ion: 114 Resp: 434283

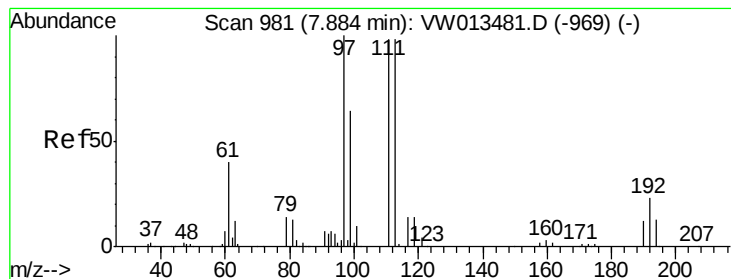
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.4

88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.334 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

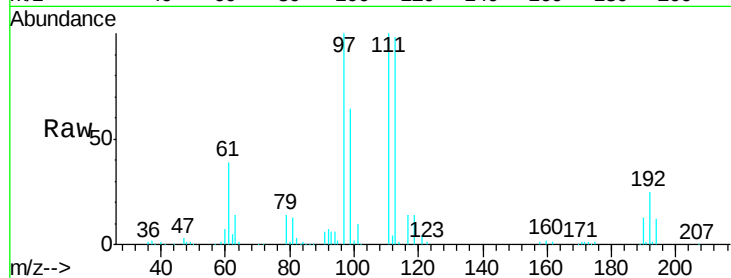
Tgt Ion:113 Resp: 122089

Ion Ratio Lower Upper

113 100

111 103.6 82.3 123.5

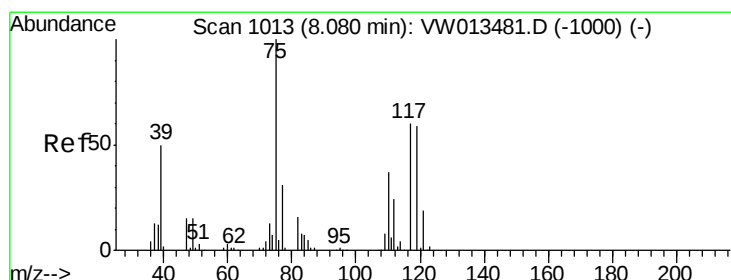
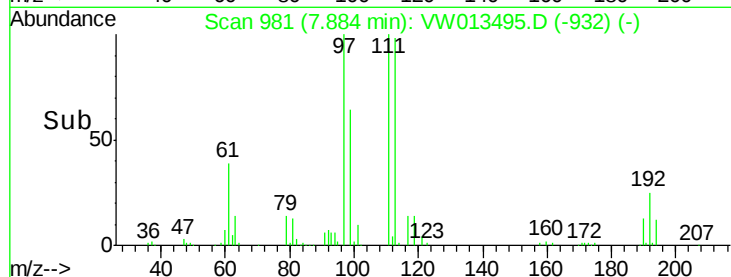
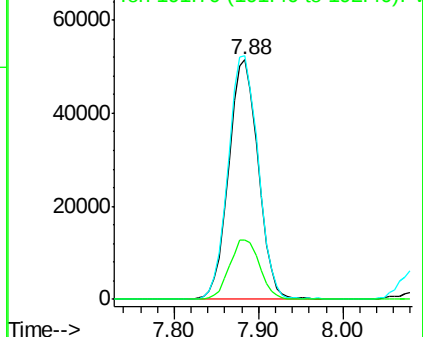
192 25.3 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.789 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

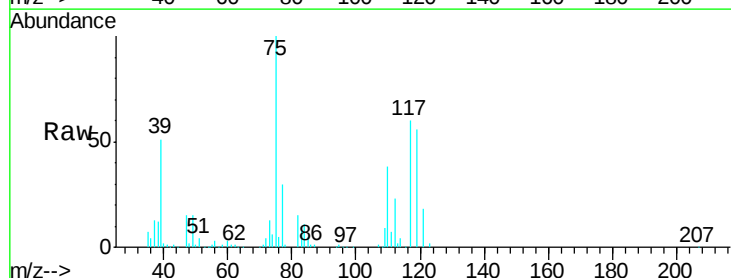
Tgt Ion: 75 Resp: 199532

Ion Ratio Lower Upper

75 100

110 36.4 18.4 55.2

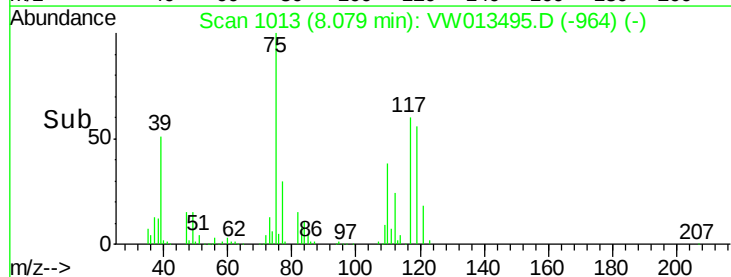
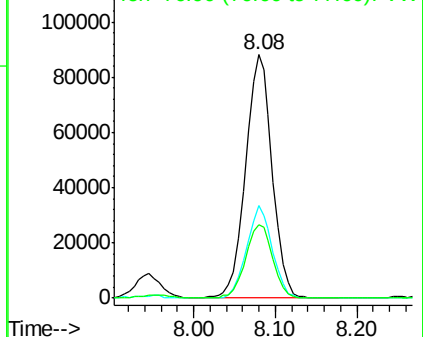
77 31.0 25.0 37.4

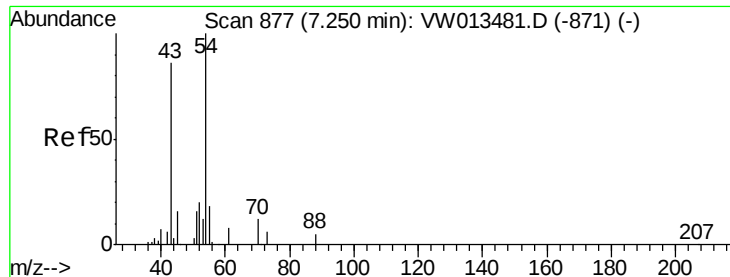


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

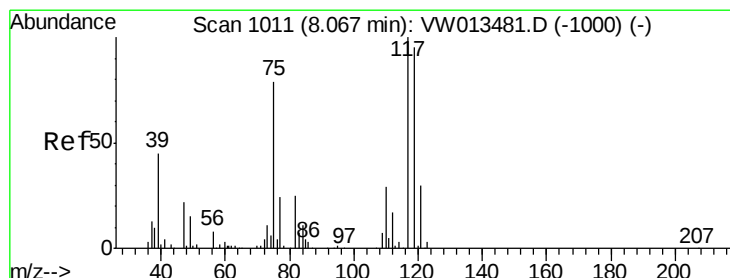
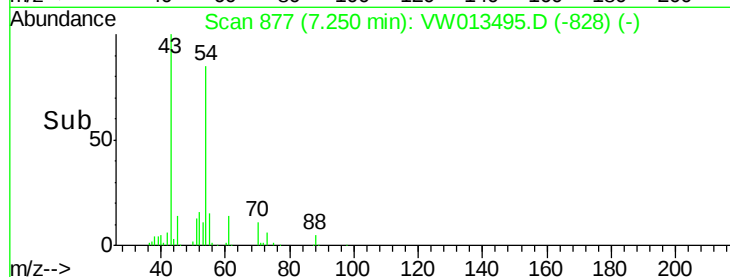
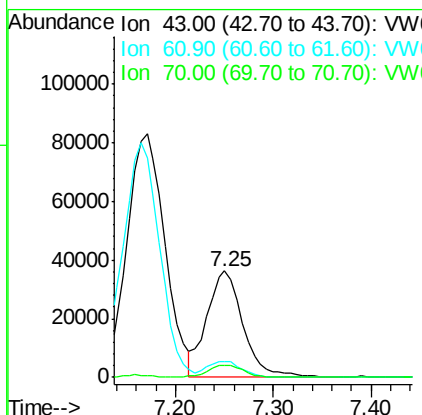
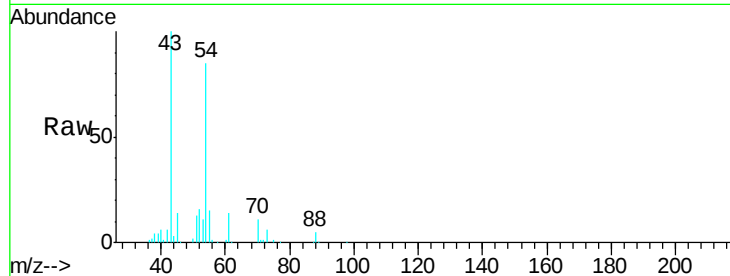




#37
Ethyl Acetate
Concen: 51.932 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

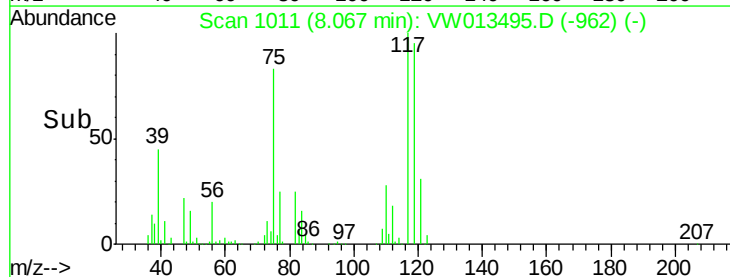
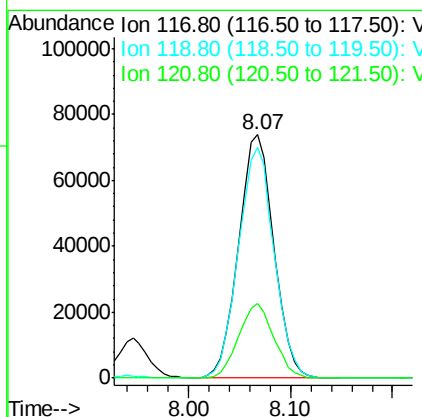
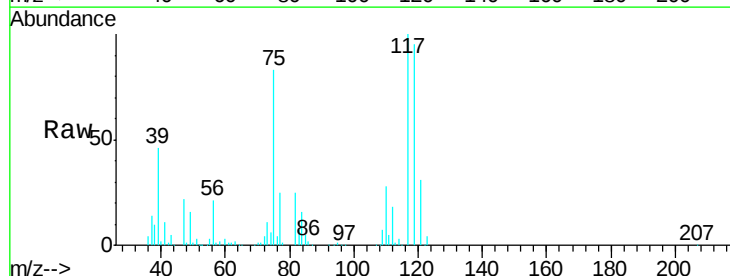
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

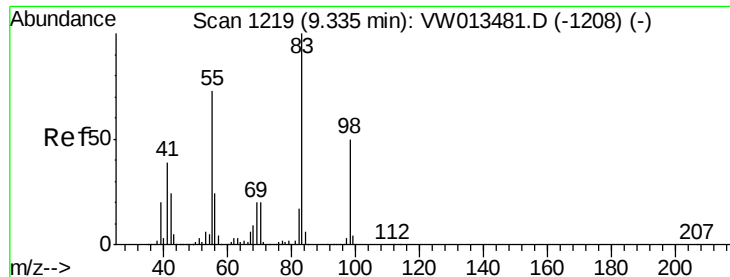
Tgt Ion: 43 Resp: 92568
Ion Ratio Lower Upper
43 100
61 14.9 10.9 16.3
70 11.5 9.2 13.8



#38
Carbon Tetrachloride
Concen: 51.018 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 117 Resp: 177680
Ion Ratio Lower Upper
117 100
119 95.1 76.3 114.5
121 30.7 23.6 35.4

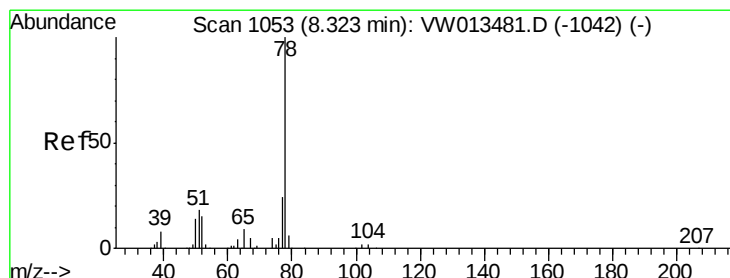
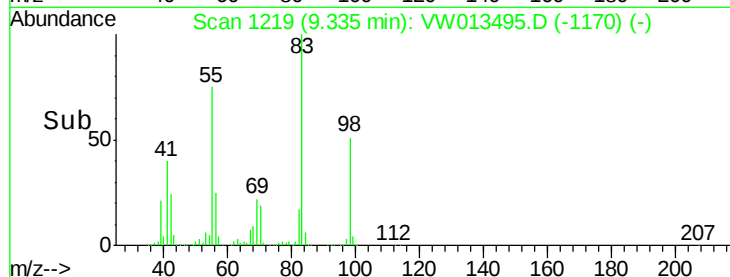
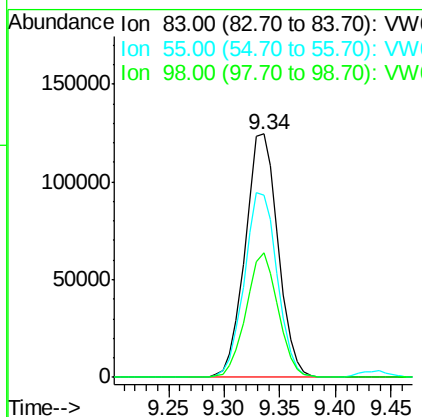
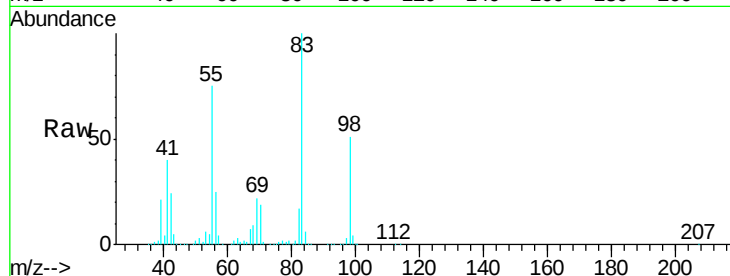




#39
Methylcyclohexane
Concen: 50.286 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

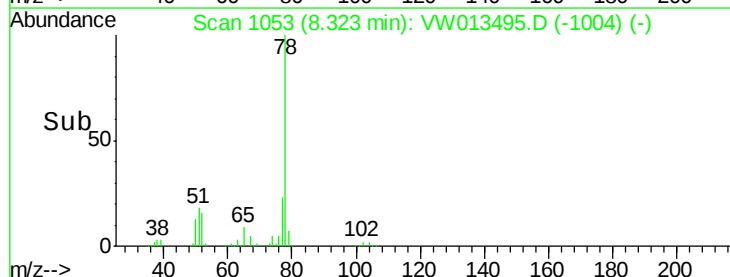
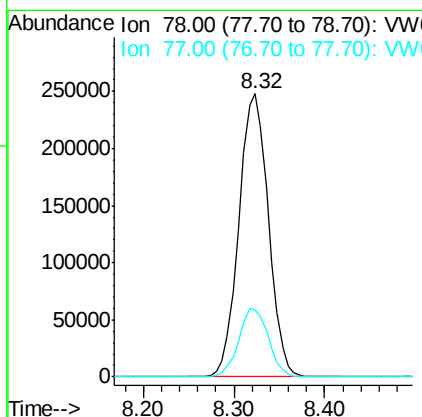
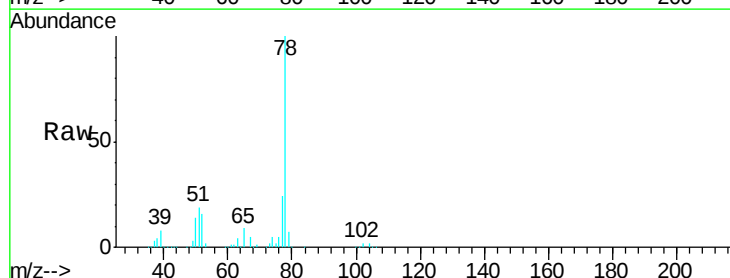
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

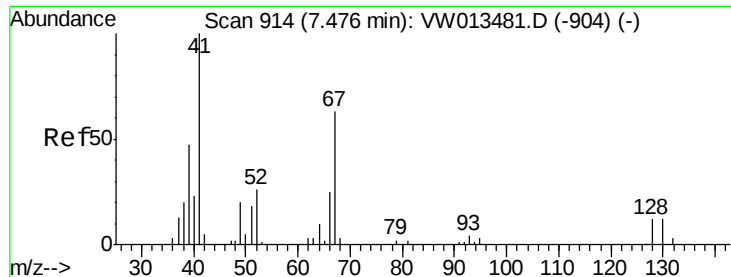
Tgt Ion: 83 Resp: 255948
Ion Ratio Lower Upper
83 100
55 74.7 58.2 87.4
98 51.0 39.8 59.6



#40
Benzene
Concen: 50.936 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 78 Resp: 558600
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8





#41

Methacrylonitrile

Concen: 54.445 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 55186

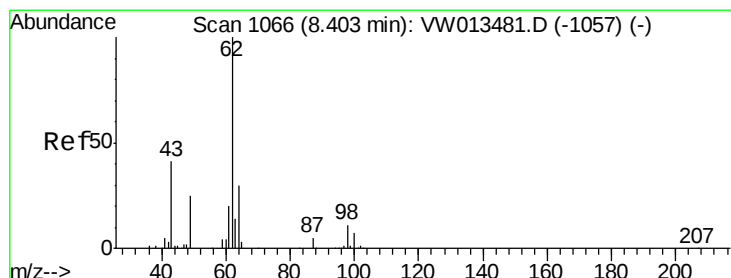
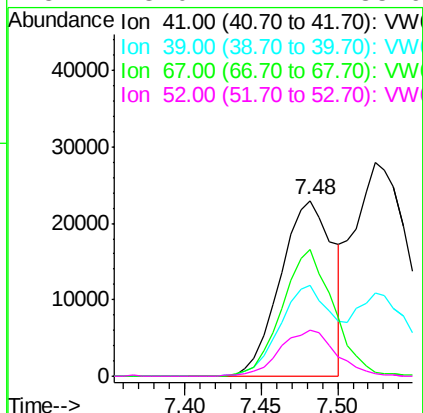
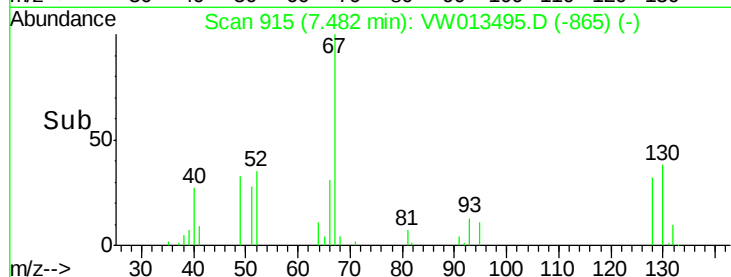
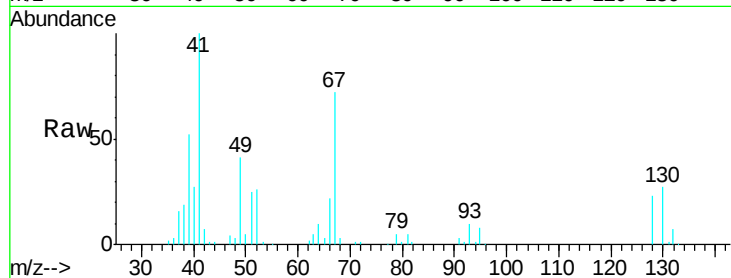
Ion Ratio Lower Upper

41 100

39 54.8 39.4 59.0

67 70.8 57.0 85.6

52 28.0 22.4 33.6



#42

1,2-Dichloroethane

Concen: 52.998 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW013495.D

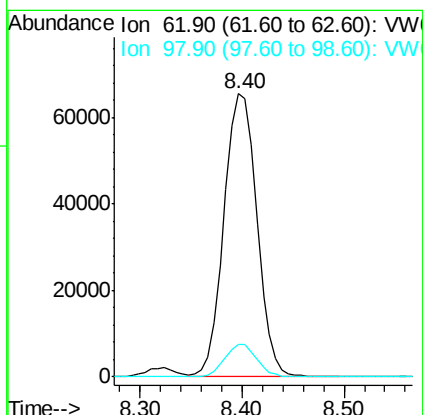
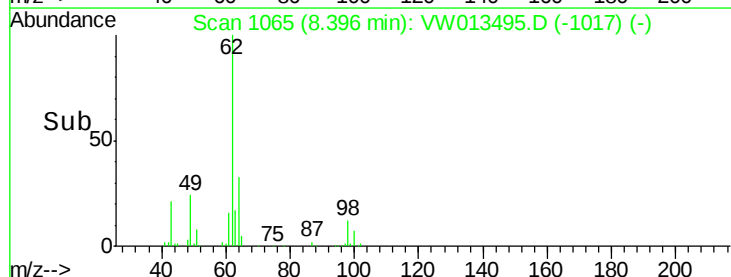
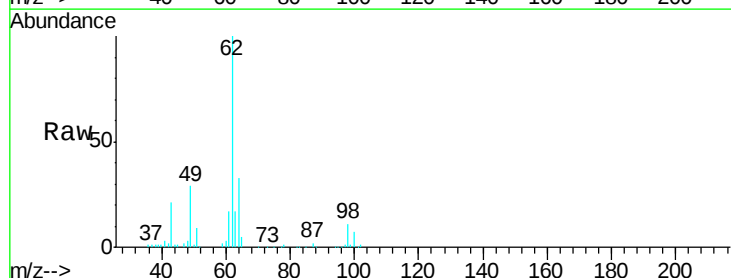
Acq: 09 Oct 2019 09:44

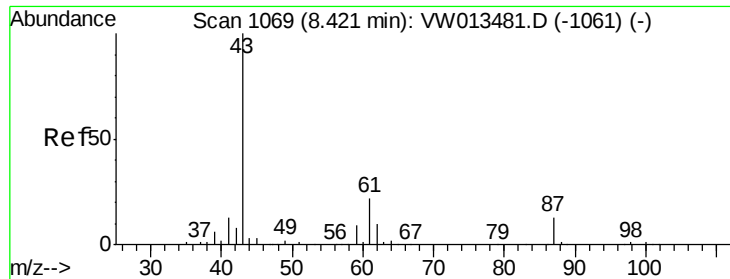
Tgt Ion: 62 Resp: 146908

Ion Ratio Lower Upper

62 100

98 11.2 0.0 21.4





#43

Isopropyl Acetate

Concen: 52.209 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

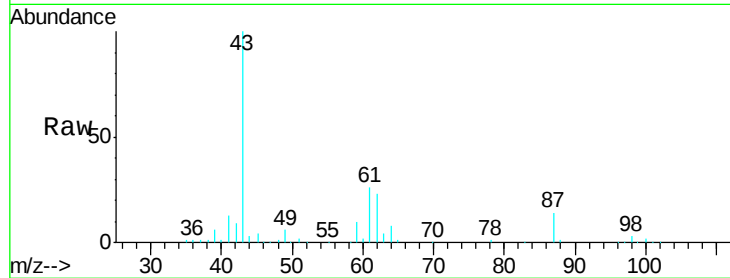
Tgt Ion: 43 Resp: 168129

Ion Ratio Lower Upper

43 100

61 31.4 25.4 38.2

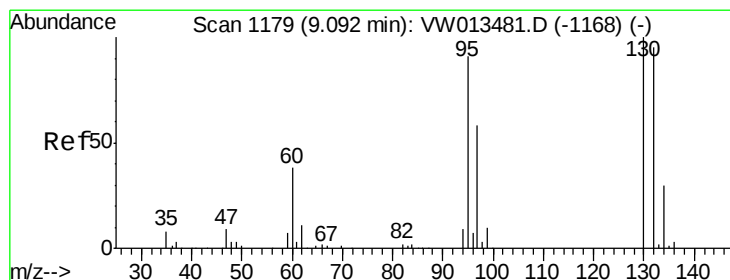
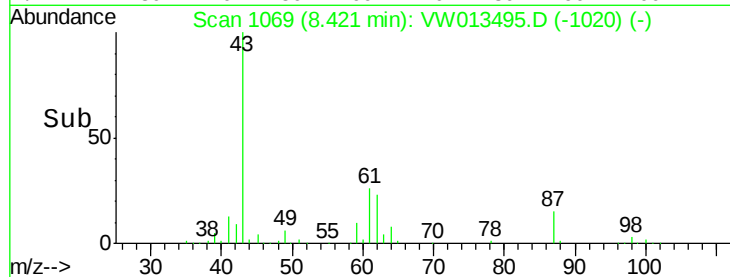
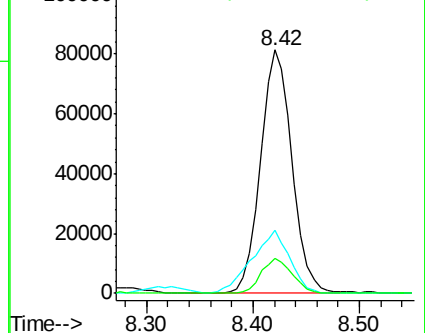
87 14.3 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.864 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013495.D

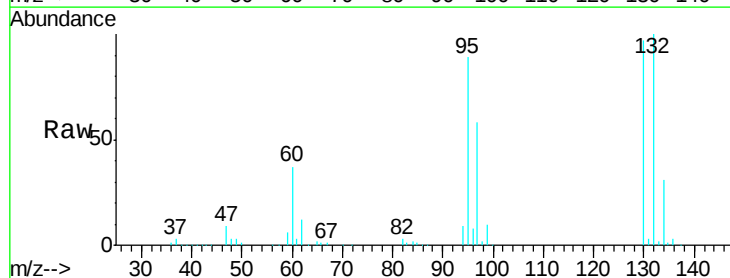
Acq: 09 Oct 2019 09:44

Tgt Ion: 130 Resp: 159130

Ion Ratio Lower Upper

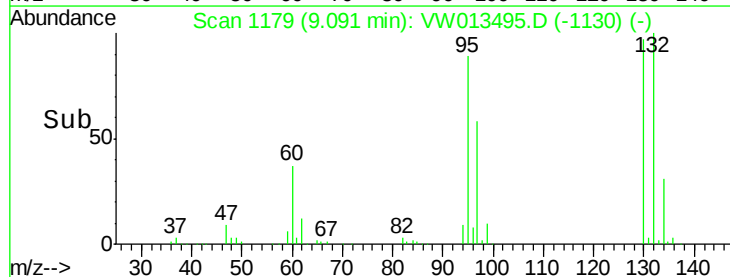
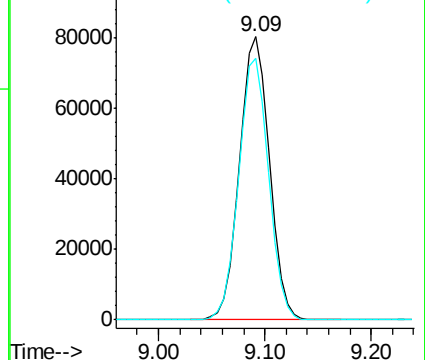
130 100

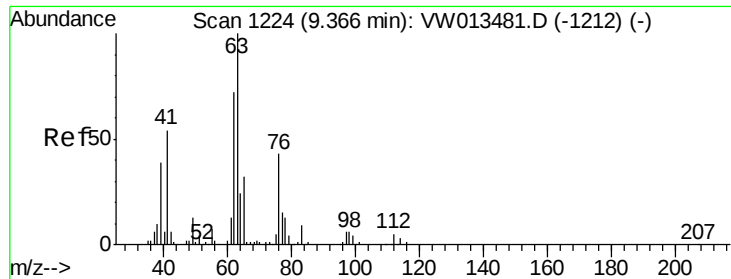
95 92.3 0.0 182.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

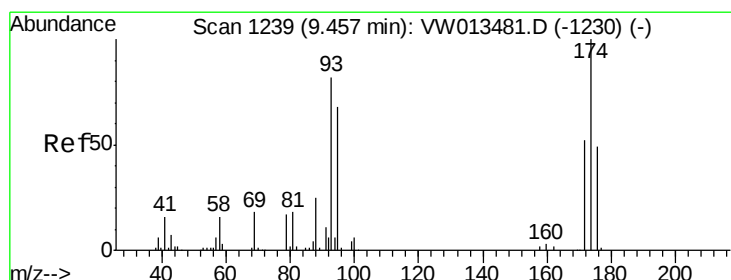
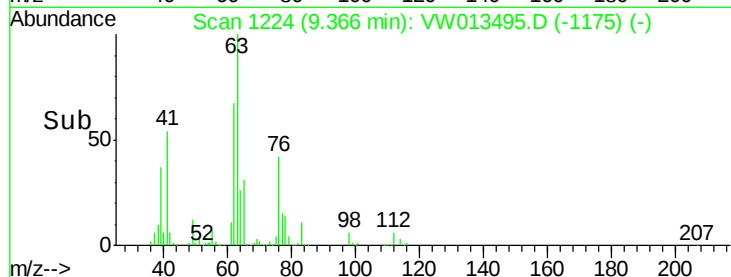
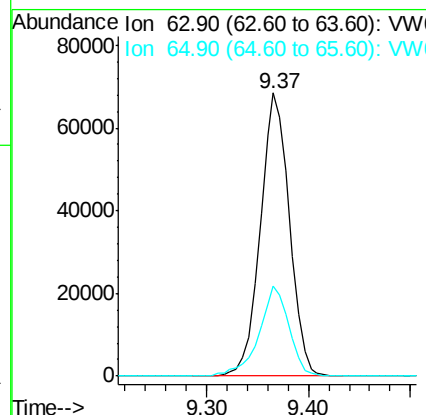
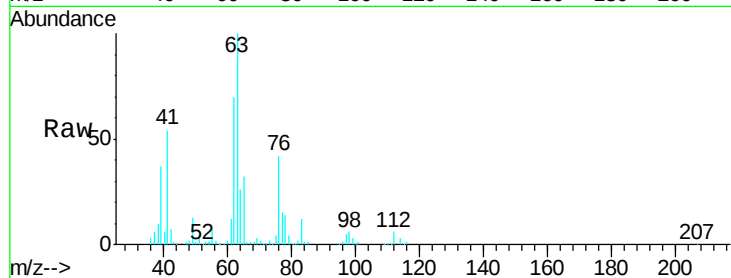




#45
 1,2-Dichloropropane
 Concen: 51.619 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

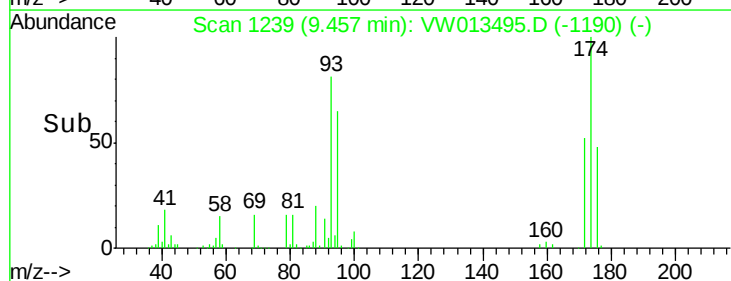
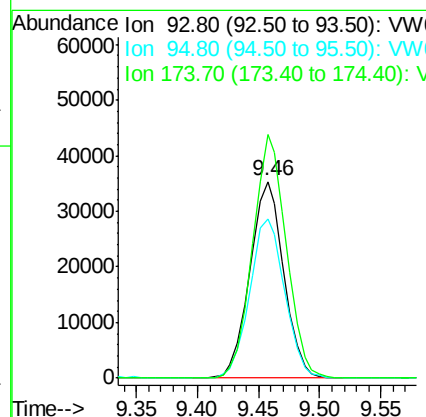
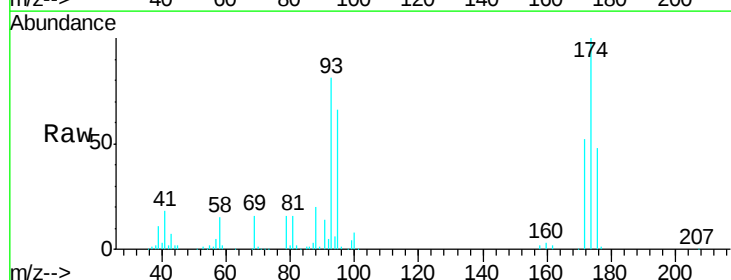
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

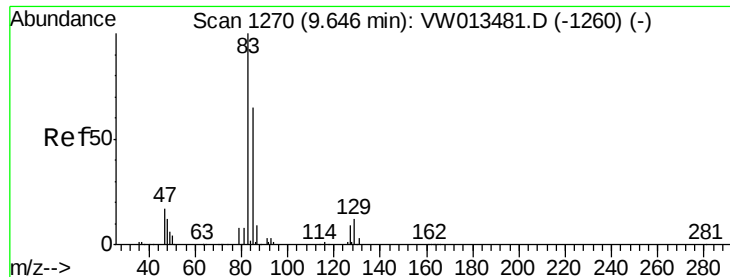
Tgt Ion: 63 Resp: 135870
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.8 38.6



#46
 Dibromomethane
 Concen: 51.965 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion: 93 Resp: 68142
 Ion Ratio Lower Upper
 93 100
 95 83.6 68.0 102.0
 174 123.2 97.0 145.6

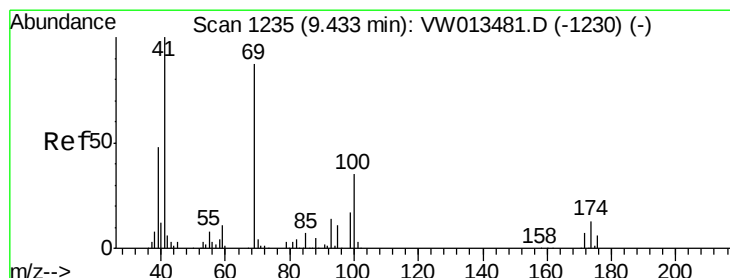
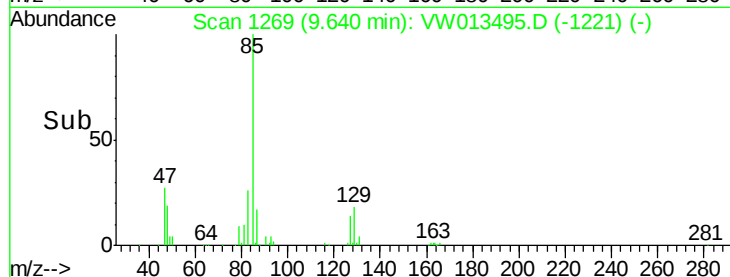
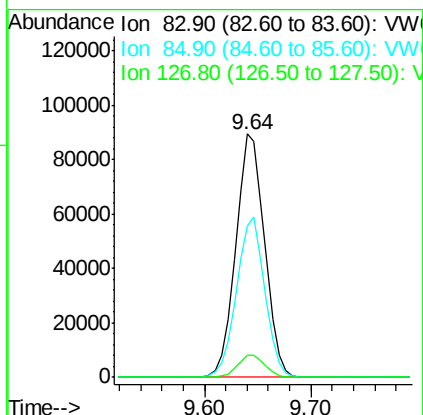
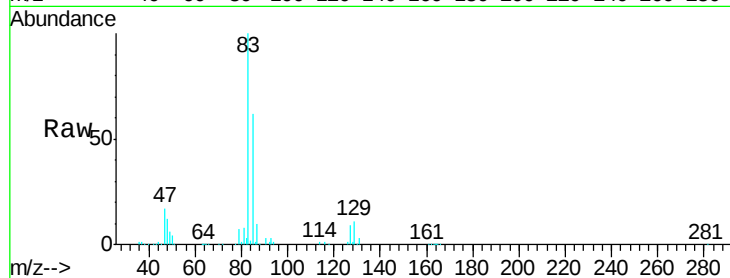




#47
 Bromodichloromethane
 Concen: 52.062 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

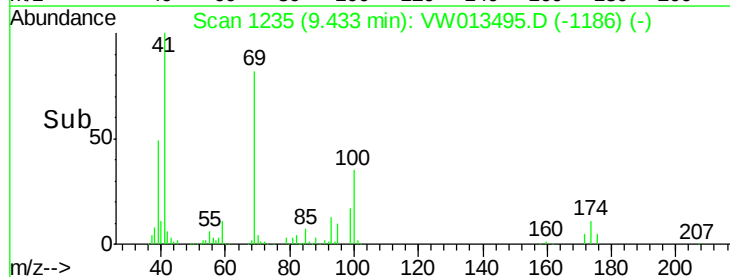
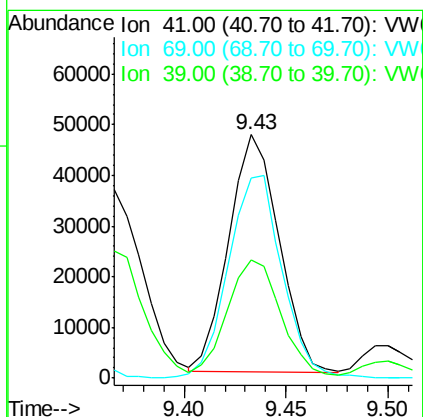
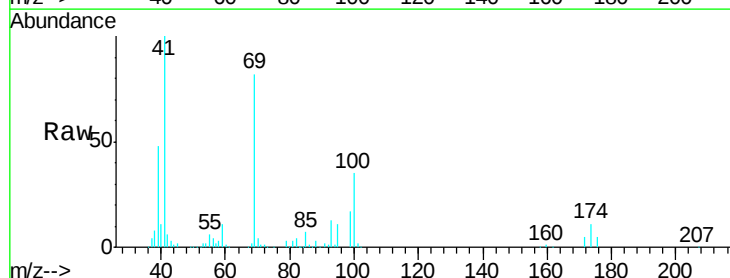
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

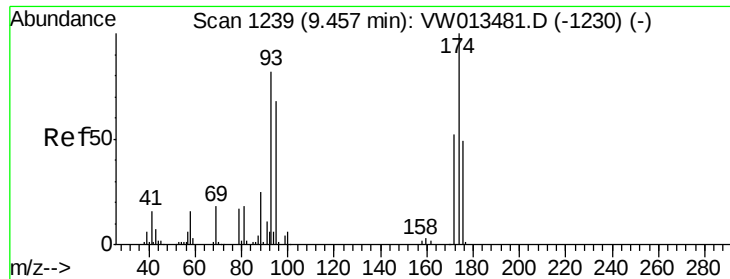
Tgt Ion: 83 Resp: 169706
 Ion Ratio Lower Upper
 83 100
 85 62.4 51.9 77.9
 127 9.0 7.4 11.2



#48
 Methyl methacrylate
 Concen: 50.471 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion: 41 Resp: 80060
 Ion Ratio Lower Upper
 41 100
 69 91.1 70.4 105.6
 39 50.5 37.3 55.9

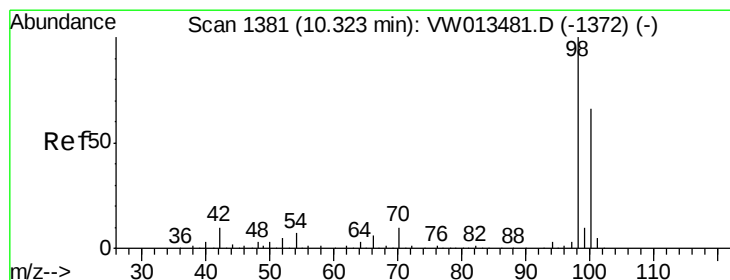
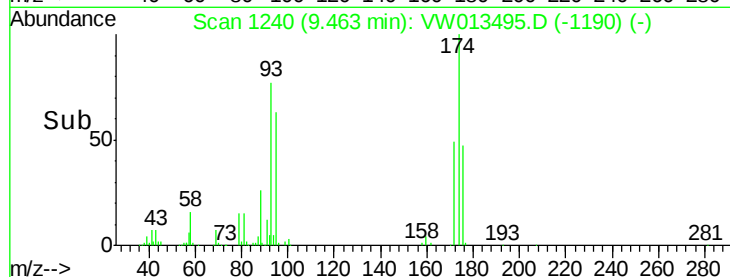
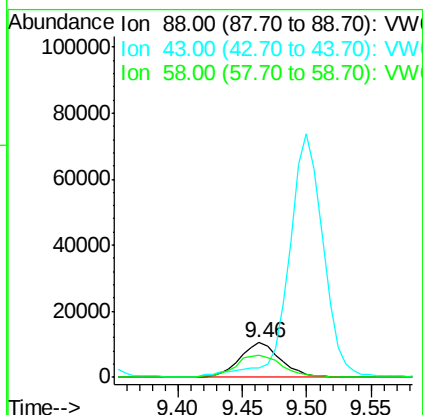
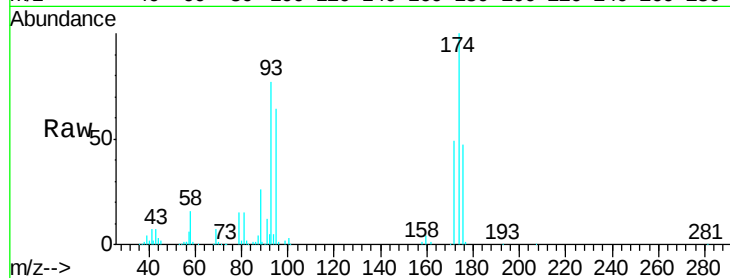




#49
1,4-Dioxane
Concen: 1008.250 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

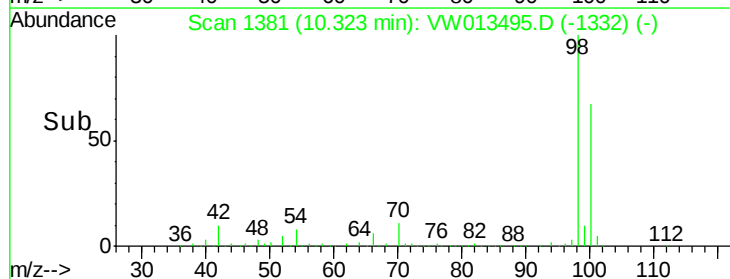
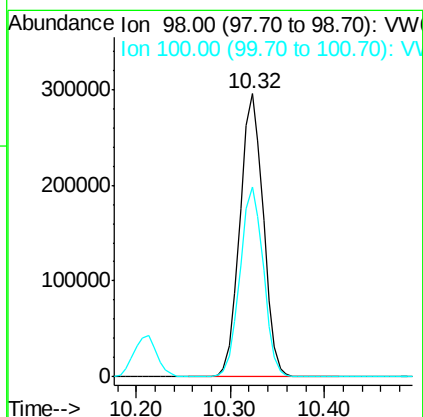
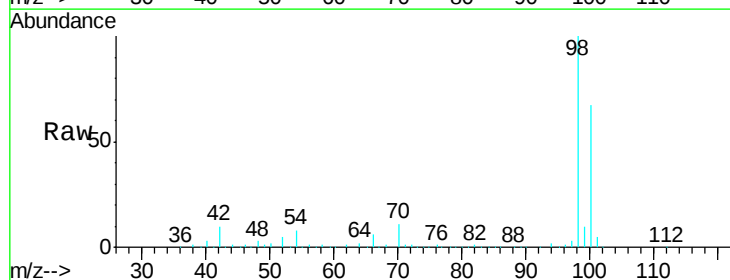
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

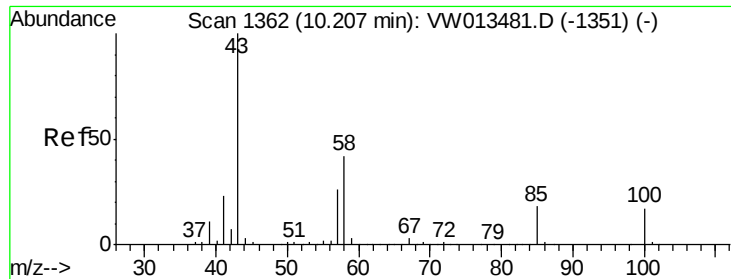
Tgt Ion: 88 Resp: 23215
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 75.6 60.0 90.0



#50
Toluene-d8
Concen: 50.210 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 98 Resp: 511807
Ion Ratio Lower Upper
98 100
100 67.1 53.2 79.8

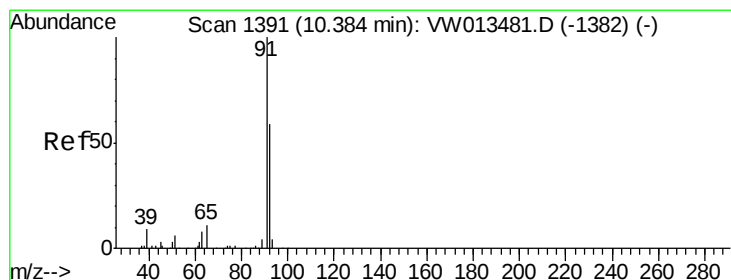
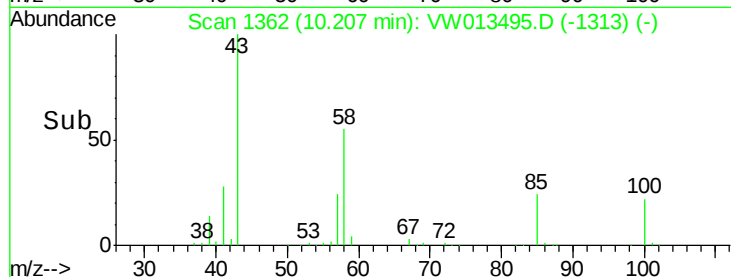
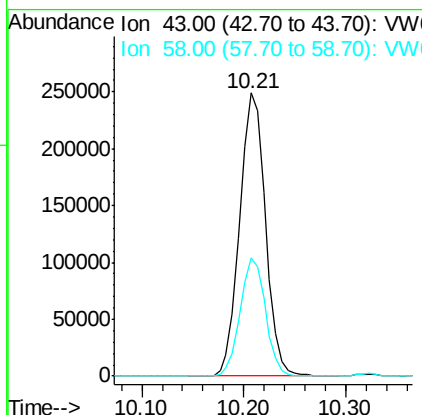
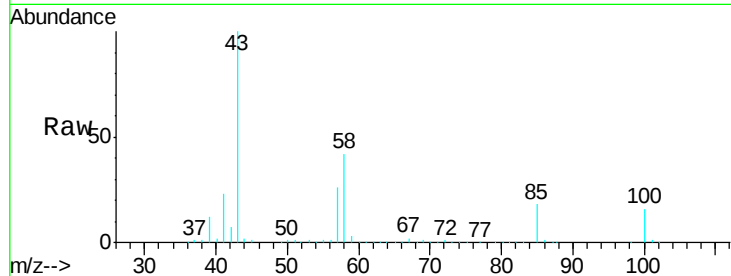




#51
 4-Methyl-2-Pentanone
 Concen: 258.016 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

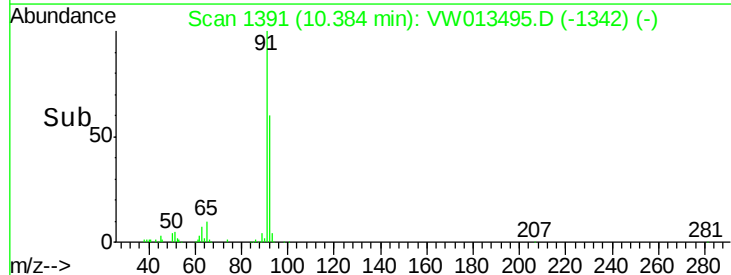
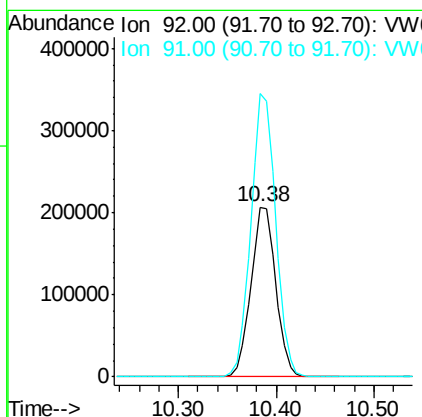
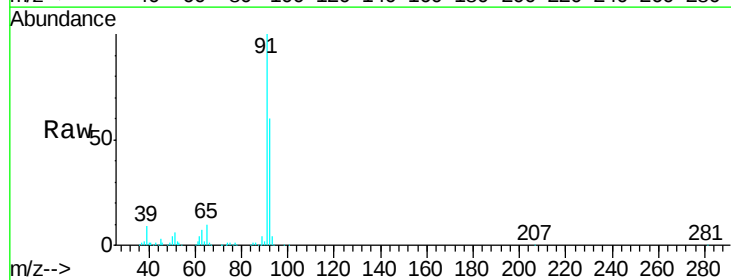
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

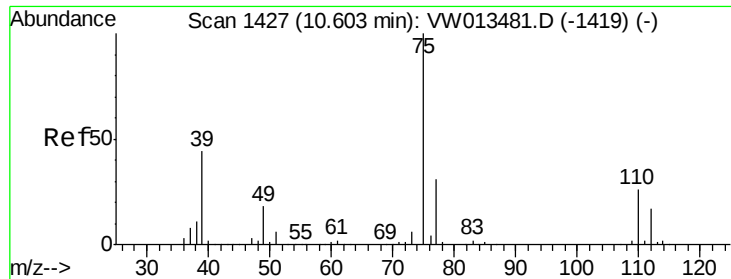
Tgt Ion: 43 Resp: 436834
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.8 49.2



#52
 Toluene
 Concen: 51.509 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion: 92 Resp: 363869
 Ion Ratio Lower Upper
 92 100
 91 166.7 134.8 202.2

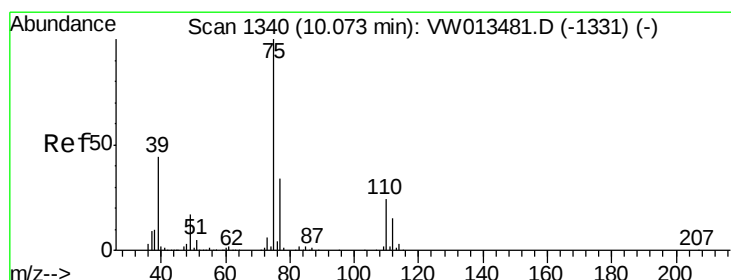
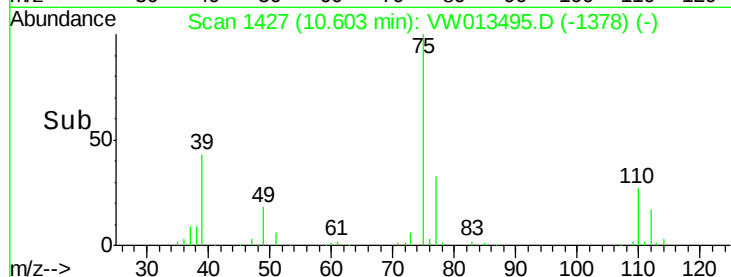
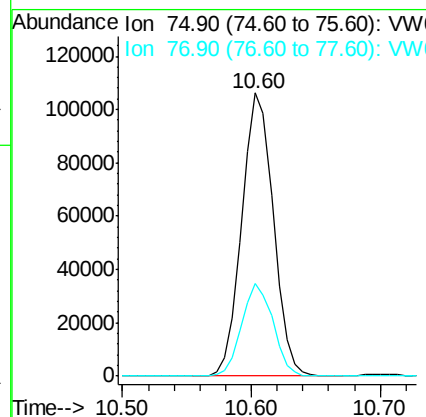
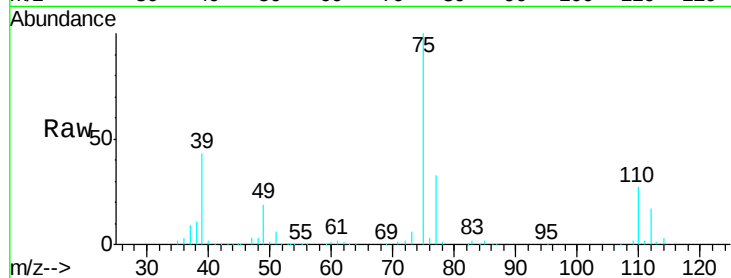




#53
t-1,3-Dichloropropene
Concen: 53.230 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

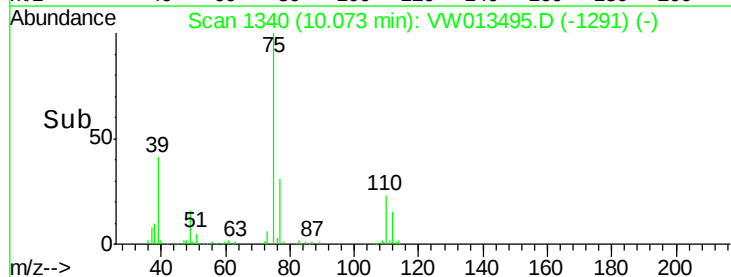
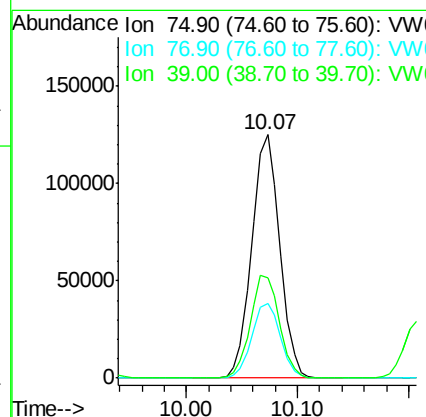
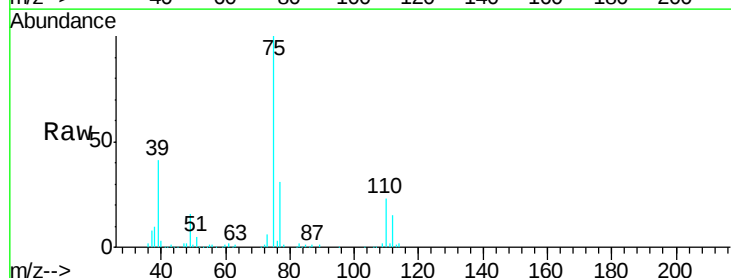
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

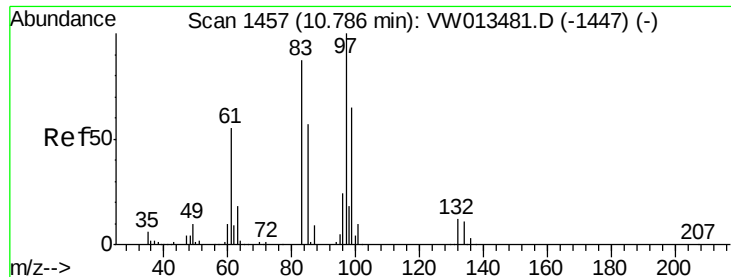
Tgt Ion: 75 Resp: 180298
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 53.327 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 75 Resp: 218830
Ion Ratio Lower Upper
75 100
77 30.7 27.0 40.4
39 40.9 35.0 52.4





#55

1,1,2-Trichloroethane

Concen: 52.519 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 103372

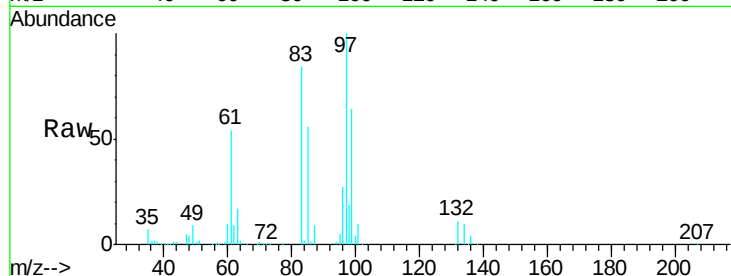
Ion Ratio Lower Upper

97 100

83 84.0 69.8 104.8

85 55.6 45.4 68.0

99 63.7 51.9 77.9



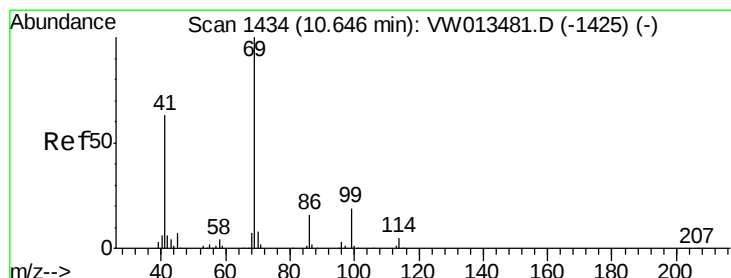
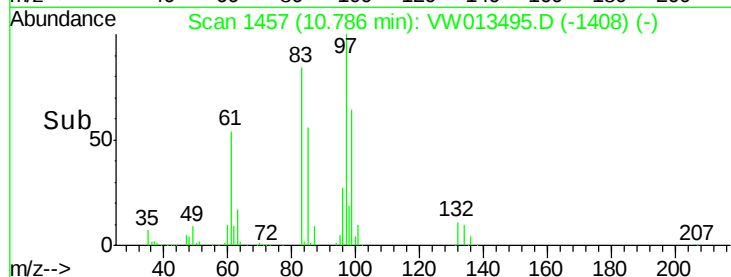
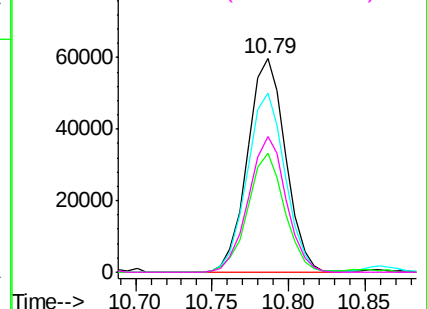
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 53.905 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

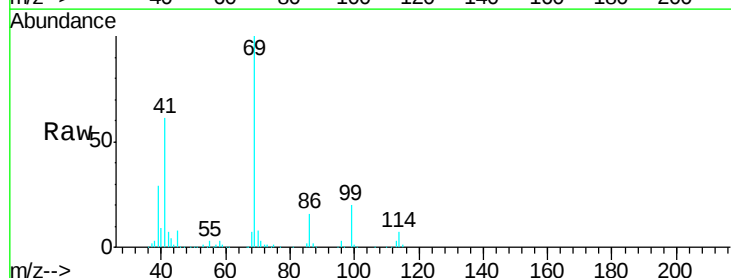
Tgt Ion: 69 Resp: 142900

Ion Ratio Lower Upper

69 100

41 63.8 51.8 77.6

39 27.4 21.7 32.5

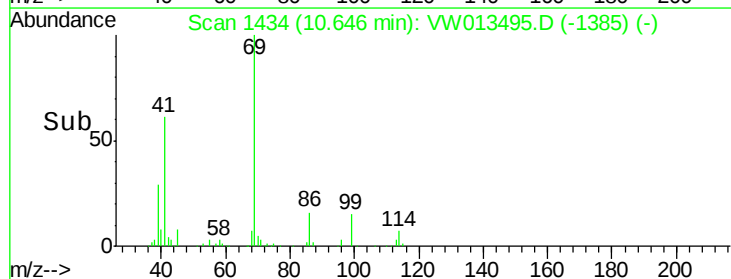
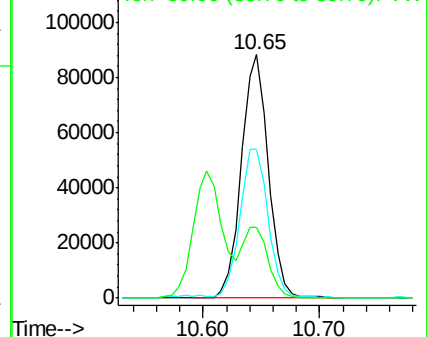


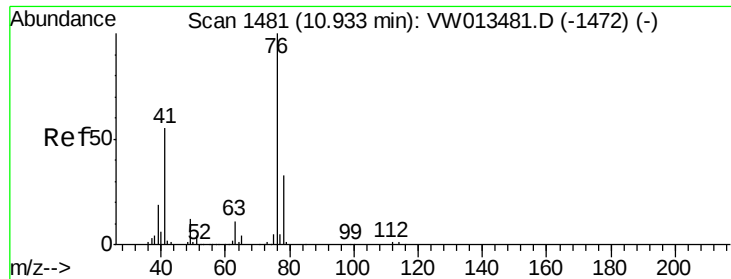
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

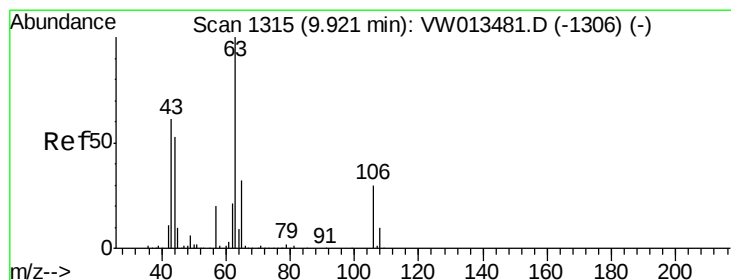
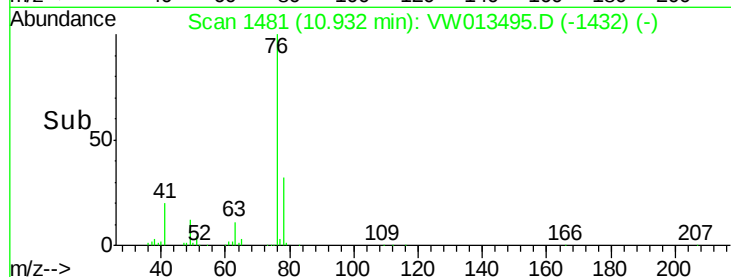
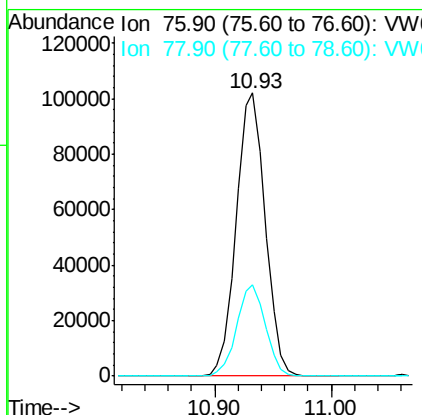
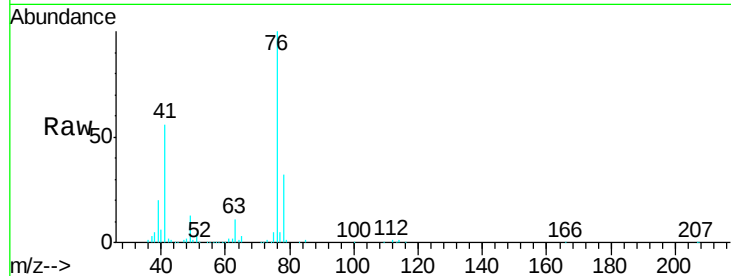




#57
 1,3-Dichloropropane
 Concen: 52.432 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

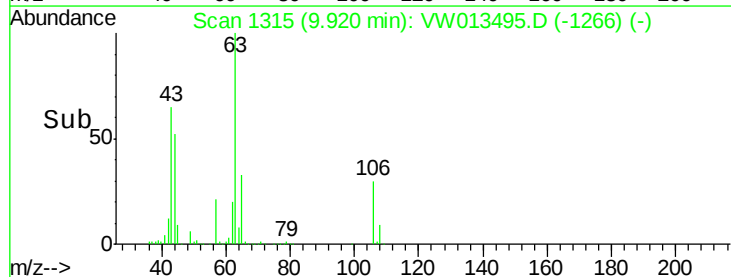
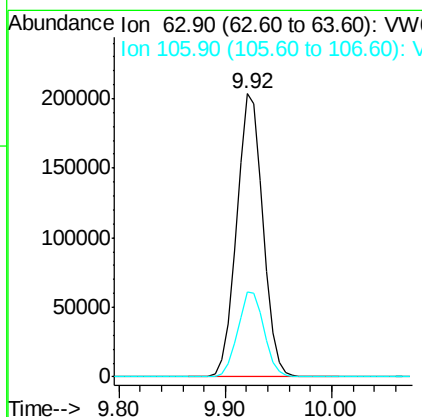
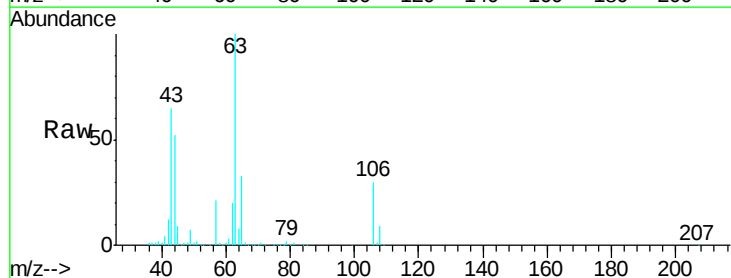
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

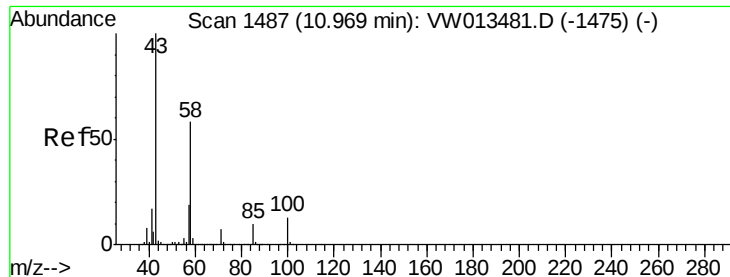
Tgt Ion: 76 Resp: 177205
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.552 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion: 63 Resp: 352126
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.5 36.7

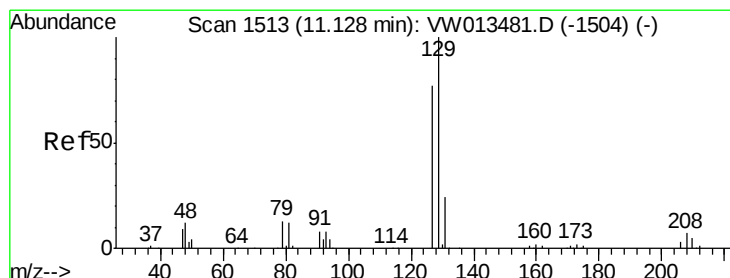
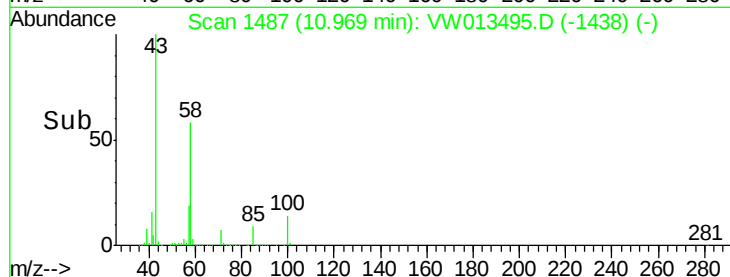
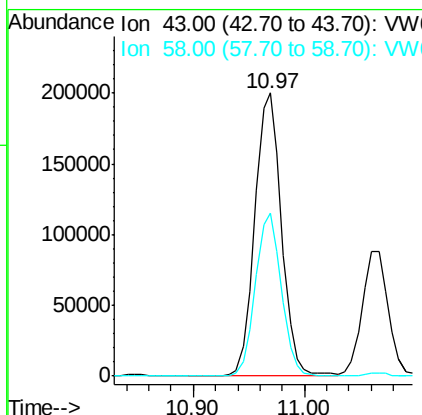
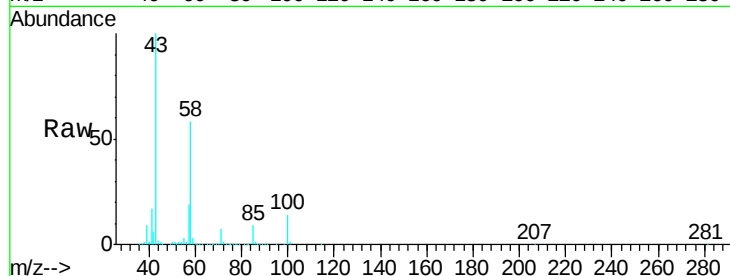




#59
2-Hexanone
Concen: 287.997 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

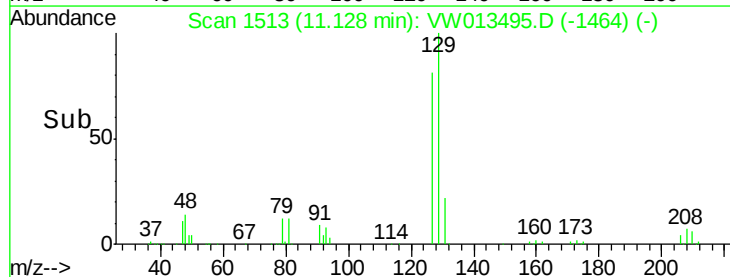
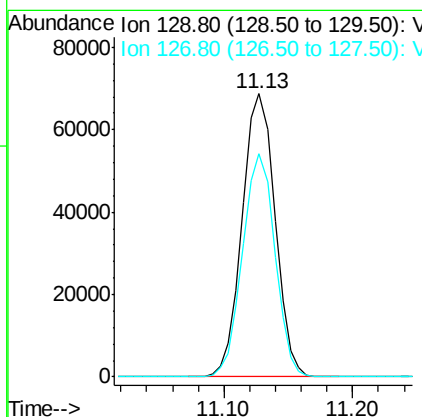
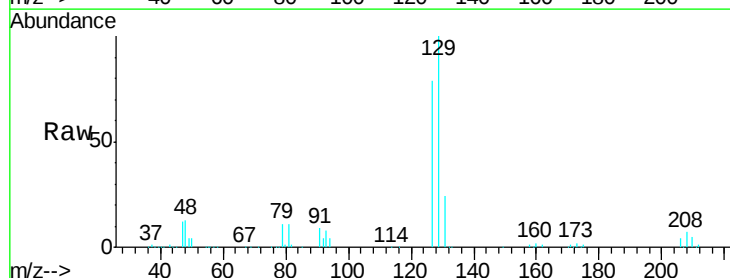
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

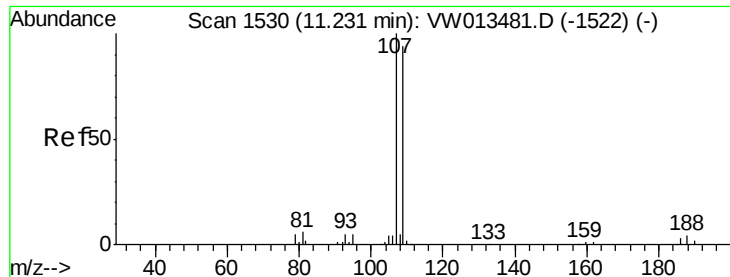
Tgt Ion: 43 Resp: 334353
Ion Ratio Lower Upper
43 100
58 56.4 28.4 85.2



#60
Dibromochloromethane
Concen: 53.652 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 129 Resp: 121441
Ion Ratio Lower Upper
129 100
127 77.5 37.4 112.1





#61

1,2-Dibromoethane

Concen: 53.069 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

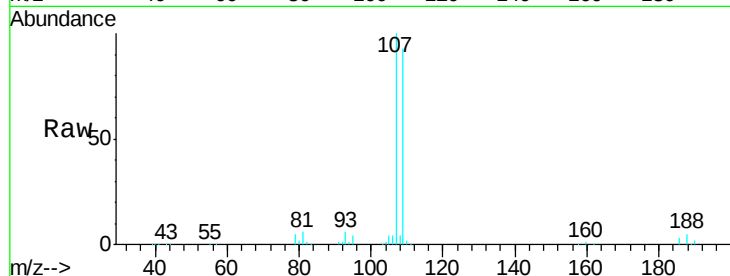
VSTDCCC050

Tgt Ion: 107 Resp: 99351

Ion Ratio Lower Upper

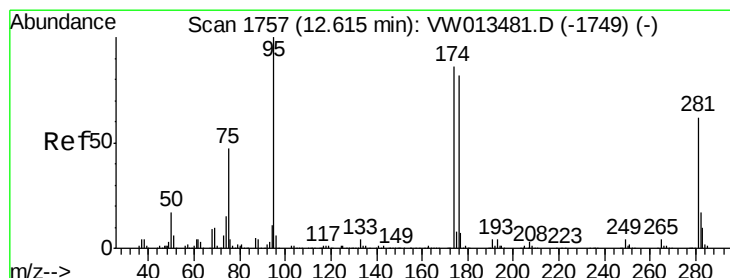
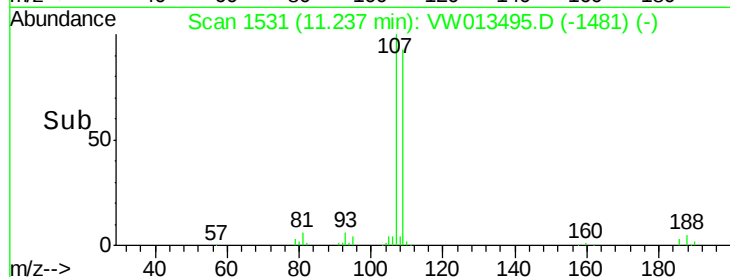
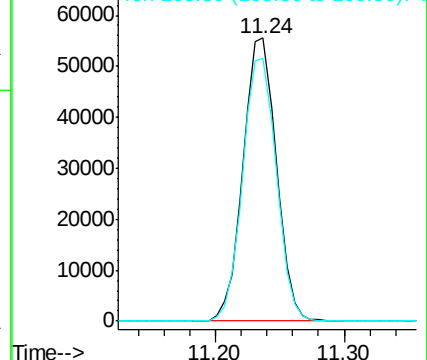
107 100

109 94.4 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.528 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

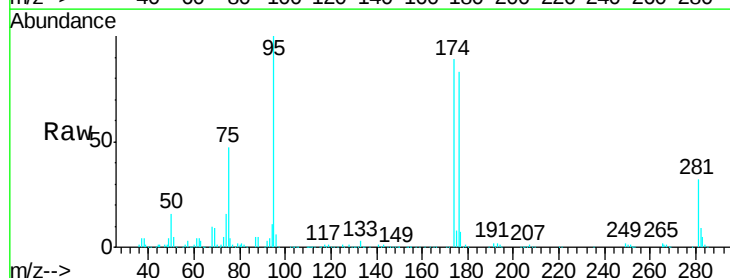
Tgt Ion: 95 Resp: 176445

Ion Ratio Lower Upper

95 100

174 89.5 0.0 177.4

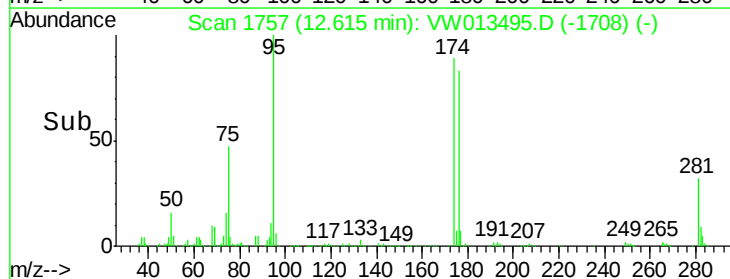
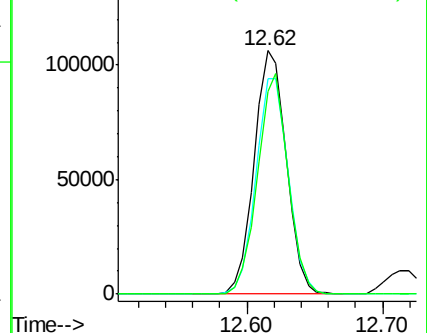
176 86.1 0.0 173.4

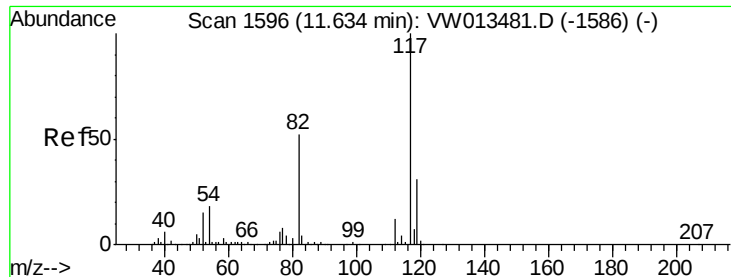


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

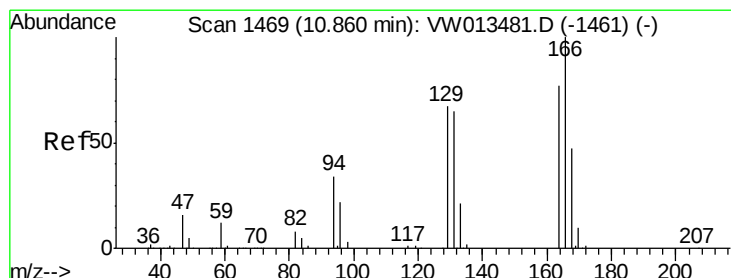
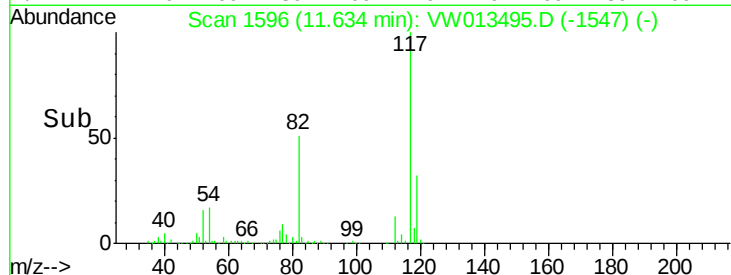
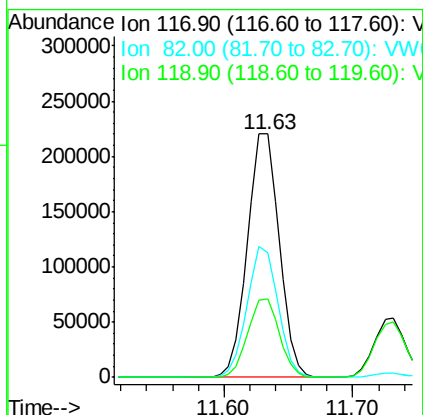
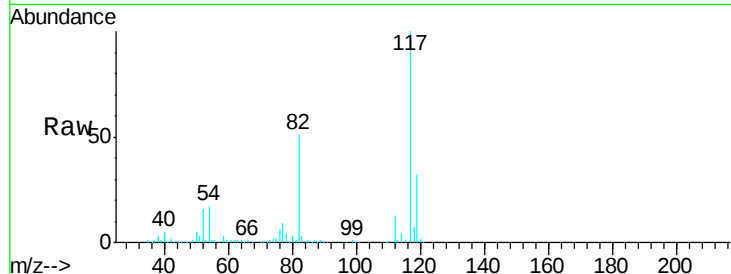




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

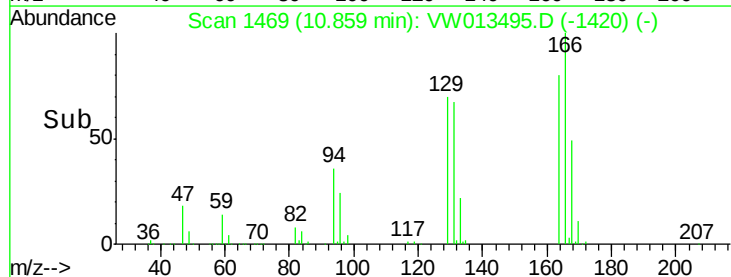
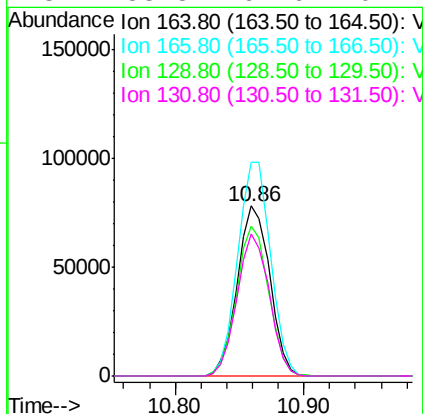
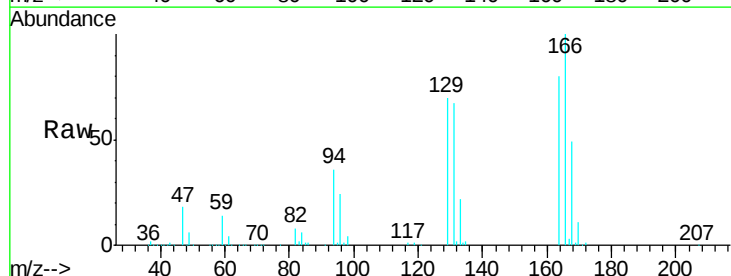
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

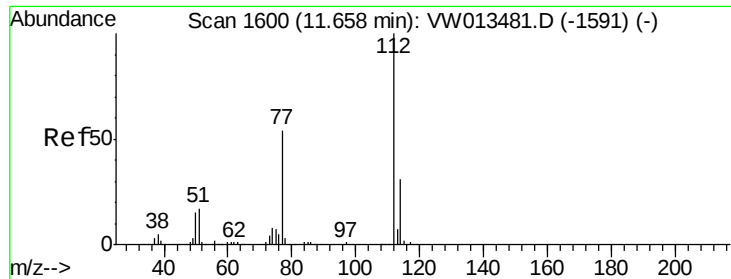
Tgt Ion:117 Resp: 375777
Ion Ratio Lower Upper
117 100
82 51.0 41.4 62.2
119 32.3 25.1 37.7



#64
Tetrachloroethene
Concen: 49.447 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion:164 Resp: 136756
Ion Ratio Lower Upper
164 100
166 125.6 104.6 156.8
129 88.4 70.2 105.2
131 83.8 67.6 101.4

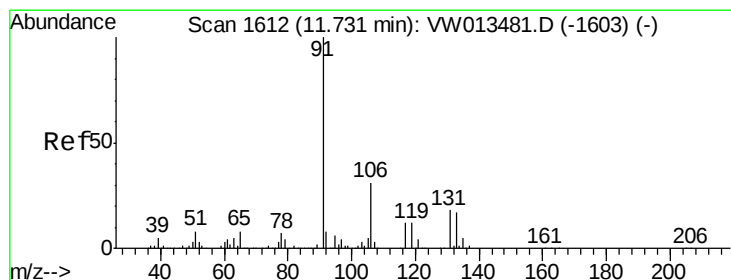
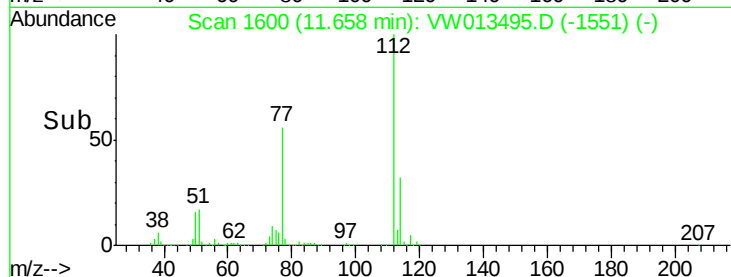
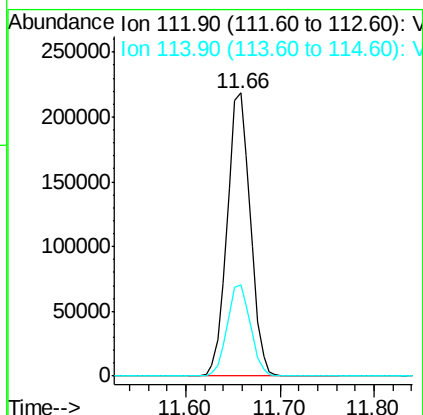
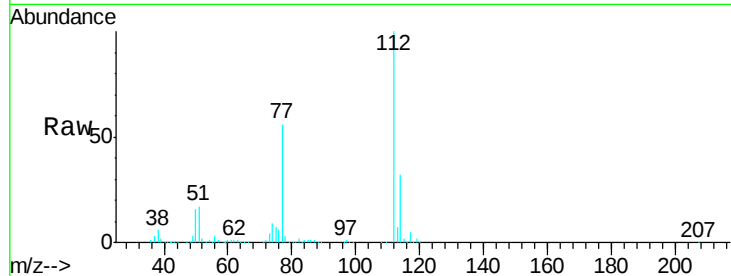




#65
Chlorobenzene
Concen: 49.946 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

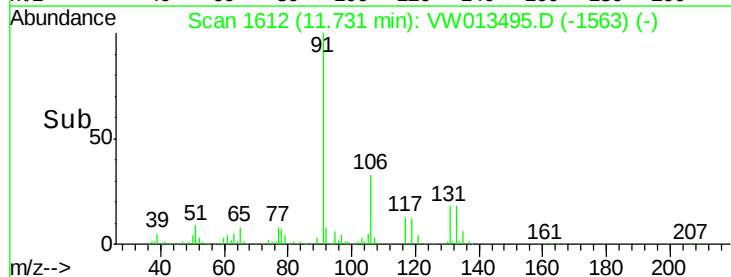
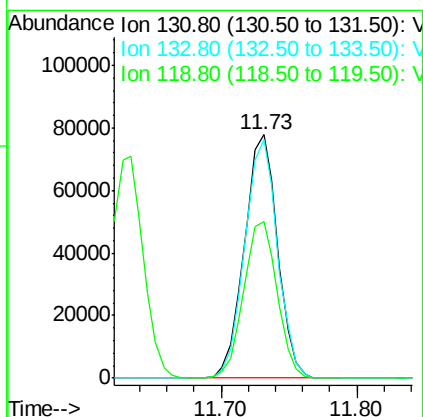
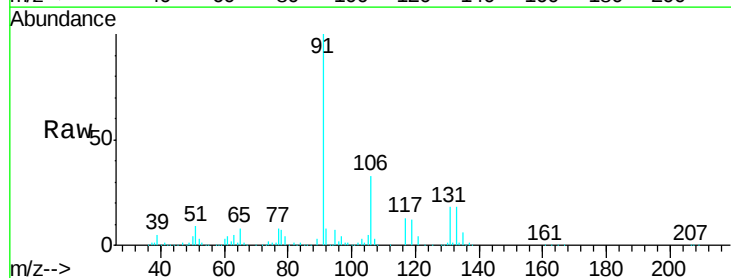
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

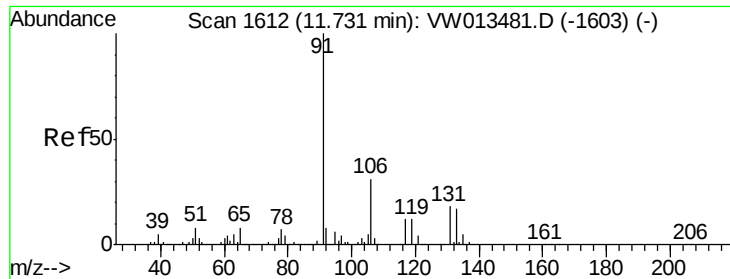
Tgt Ion:112 Resp: 372940
Ion Ratio Lower Upper
112 100
114 32.5 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.221 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion:131 Resp: 132853
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.9
119 64.9 32.6 98.0

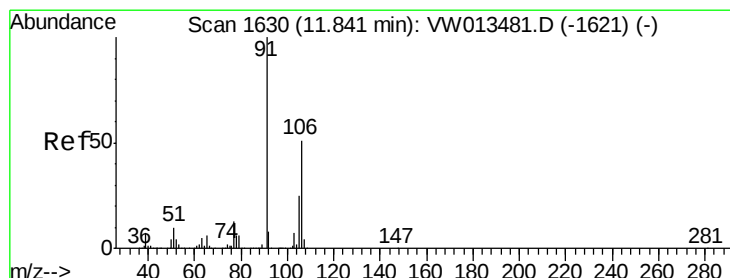
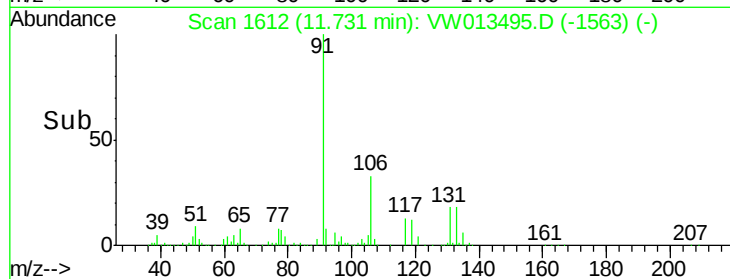
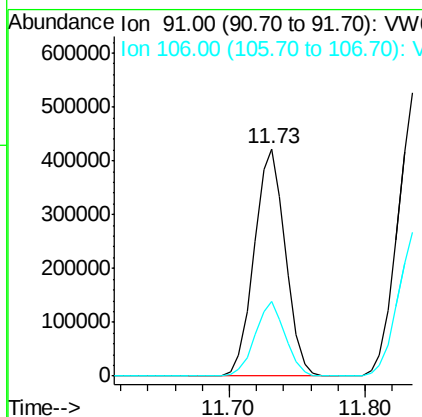
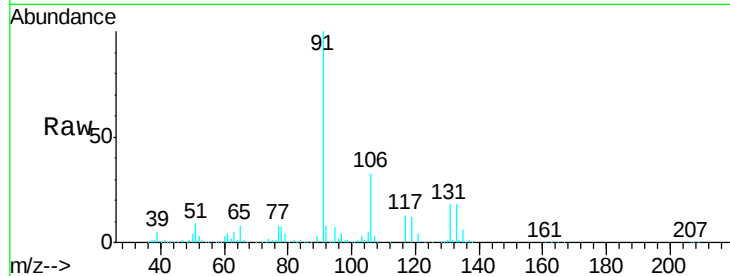




#67
Ethyl Benzene
Concen: 49.685 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

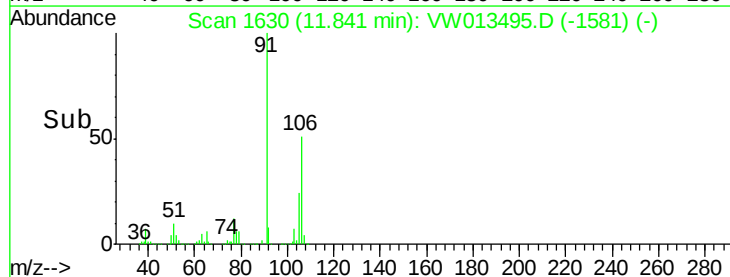
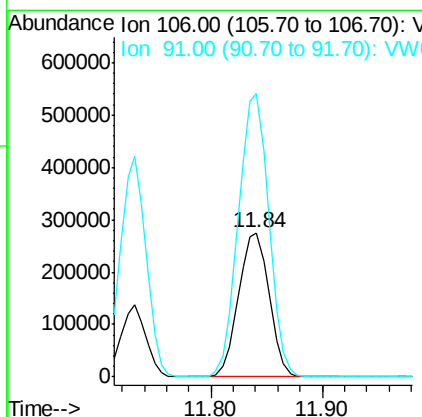
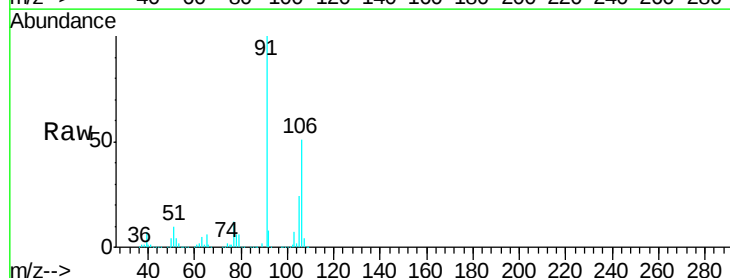
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

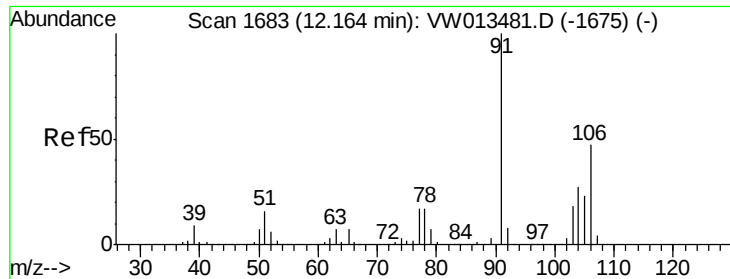
Tgt Ion: 91 Resp: 678083
Ion Ratio Lower Upper
91 100
106 32.7 24.8 37.2



#68
m/p-Xylenes
Concen: 100.977 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 106 Resp: 524338
Ion Ratio Lower Upper
106 100
91 195.5 156.2 234.4

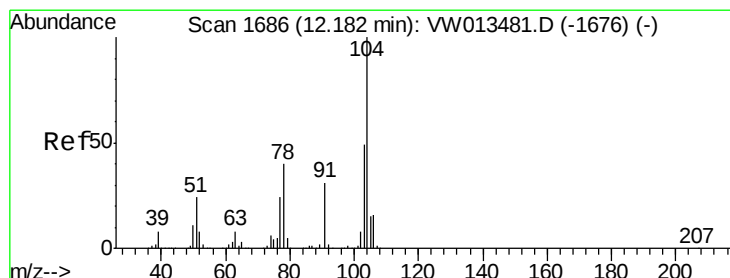
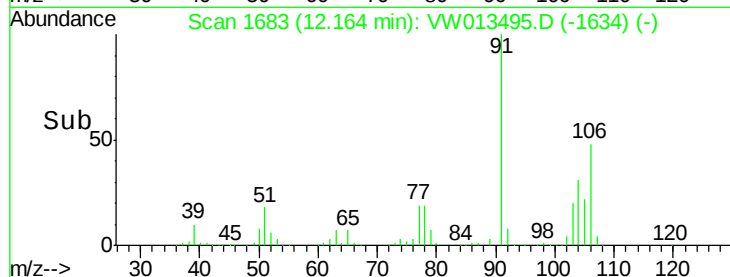
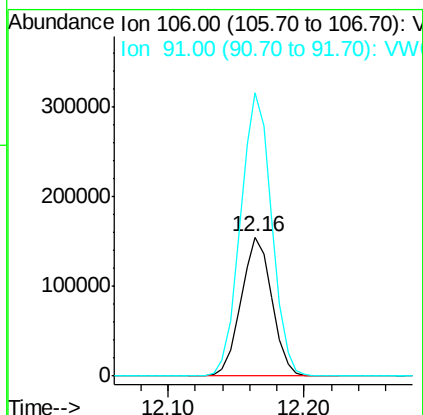
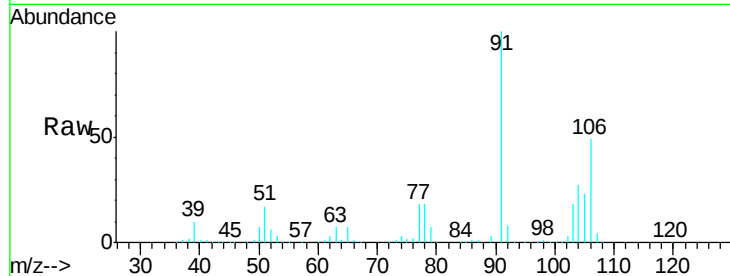




#69
o-Xylene
Concen: 51.022 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

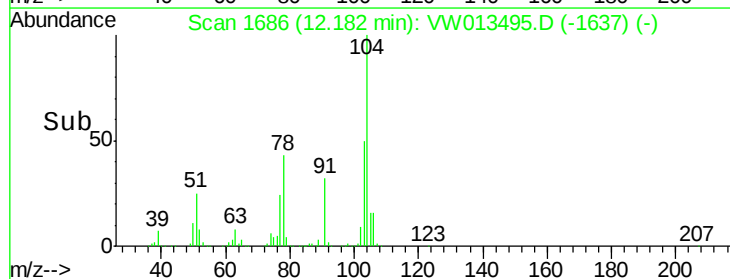
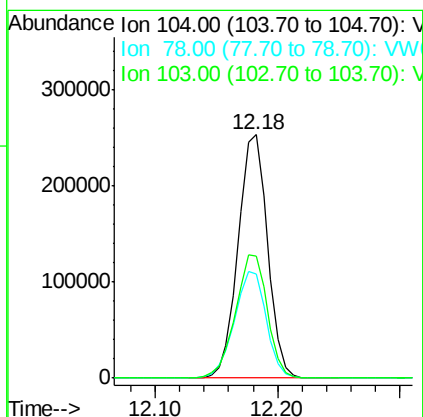
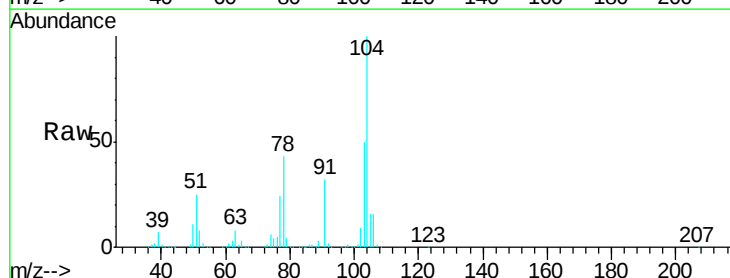
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

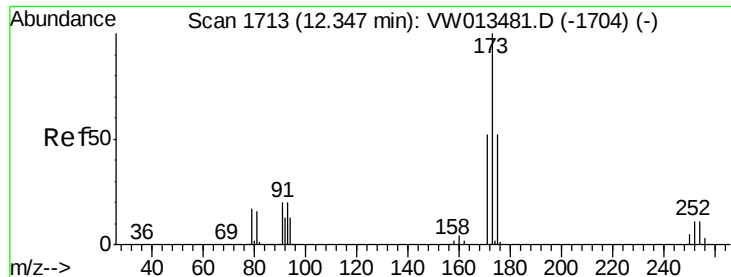
Tgt Ion:106 Resp: 244782
Ion Ratio Lower Upper
106 100
91 206.4 105.0 315.0



#70
Styrene
Concen: 51.275 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion:104 Resp: 422376
Ion Ratio Lower Upper
104 100
78 47.2 37.1 55.7
103 54.8 43.2 64.8





#71

Bromoform

Concen: 53.459 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

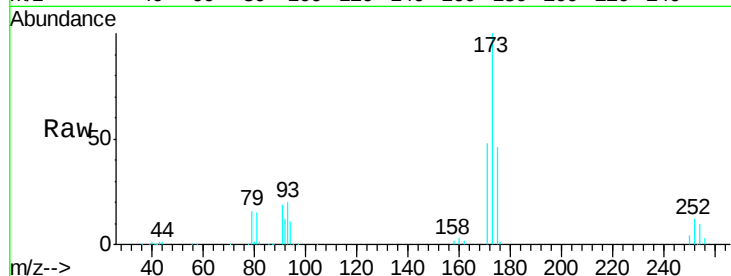
Tgt Ion:173 Resp: 76075

Ion Ratio Lower Upper

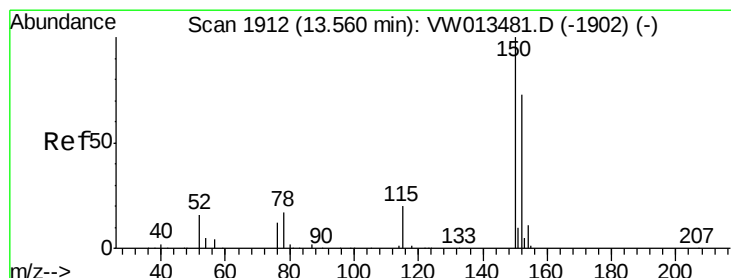
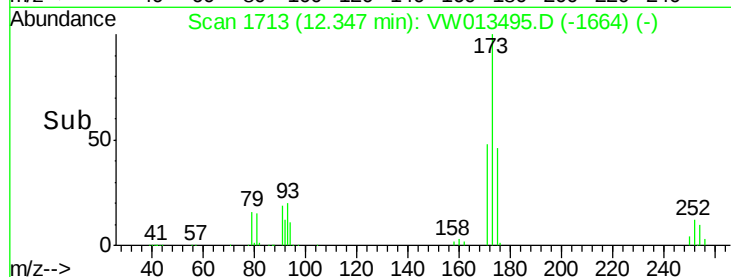
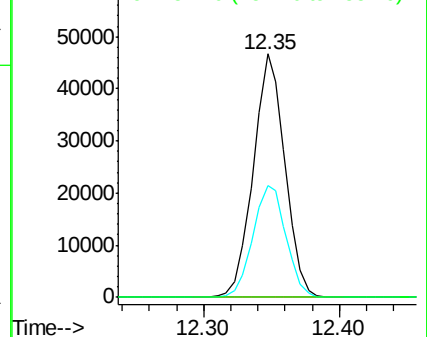
173 100

175 48.2 24.4 73.4

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: VW013495.D

Acq: 09 Oct 2019 09:44

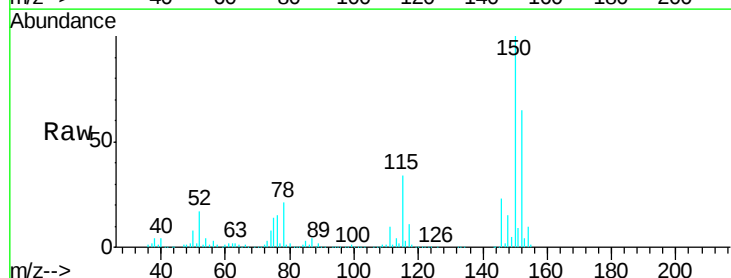
Tgt Ion:152 Resp: 191178

Ion Ratio Lower Upper

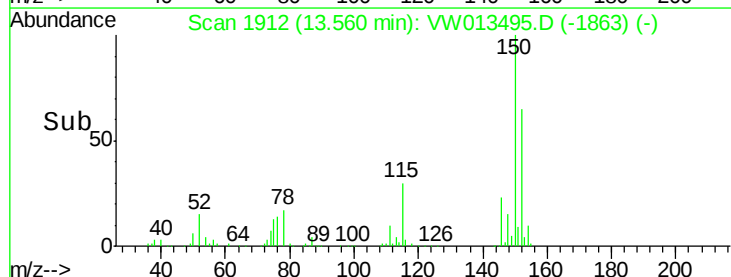
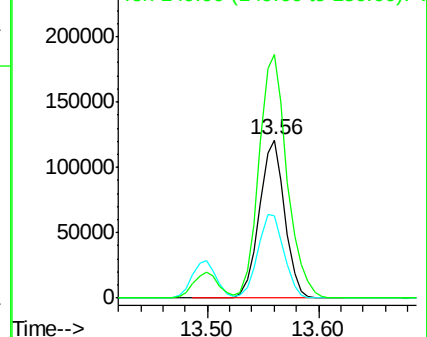
152 100

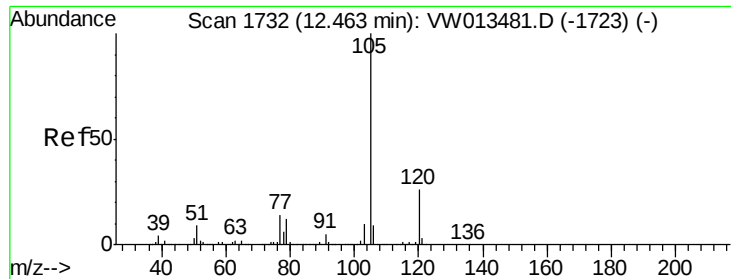
115 54.8 27.0 81.0

150 171.2 0.0 337.4



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: 49.704 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

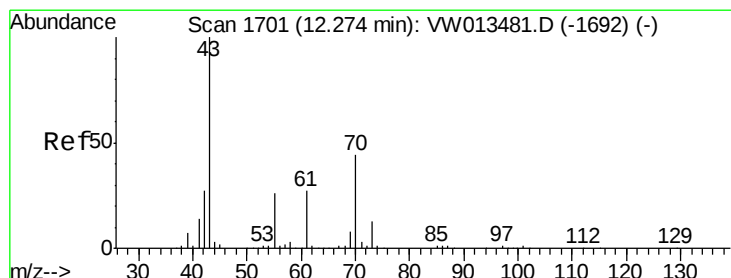
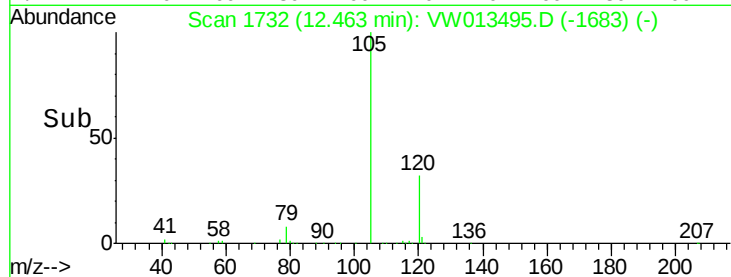
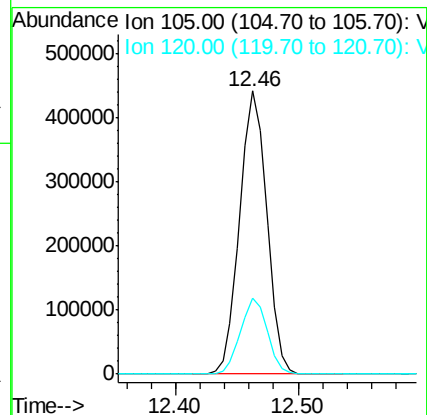
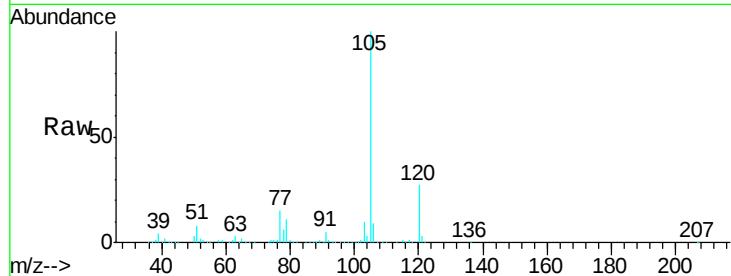
VSTDCCC050

Tgt Ion: 105 Resp: 680655

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



#74

N-ethyl acetate

Concen: 51.287 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Tgt Ion: 43 Resp: 153605

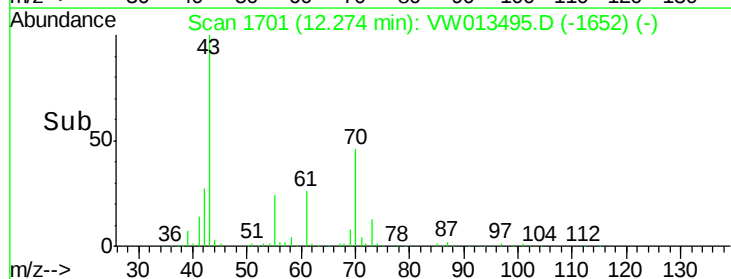
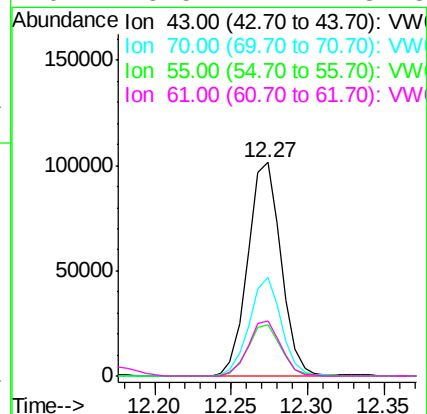
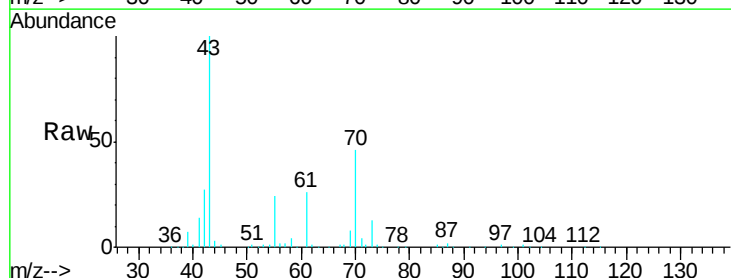
Ion Ratio Lower Upper

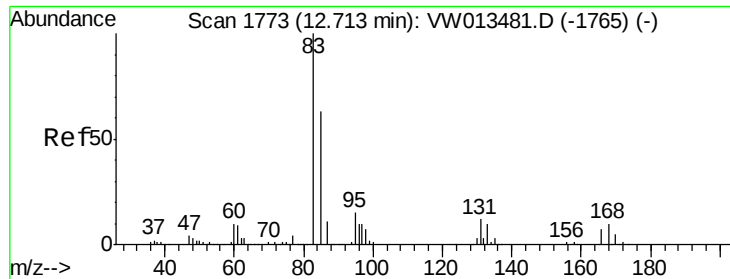
43 100

70 44.5 35.3 52.9

55 24.4 20.0 30.0

61 25.5 21.2 31.8

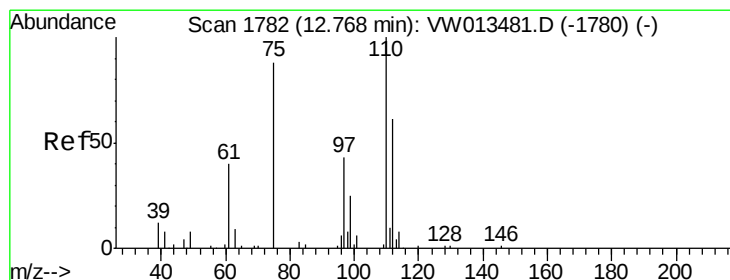
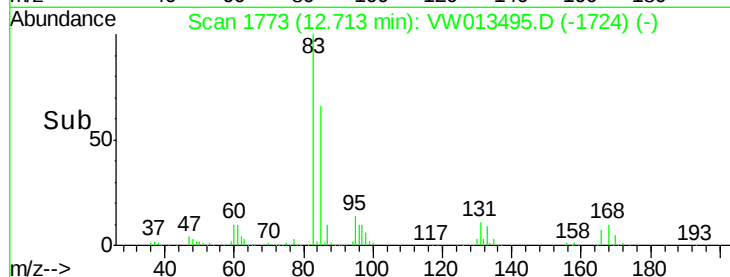
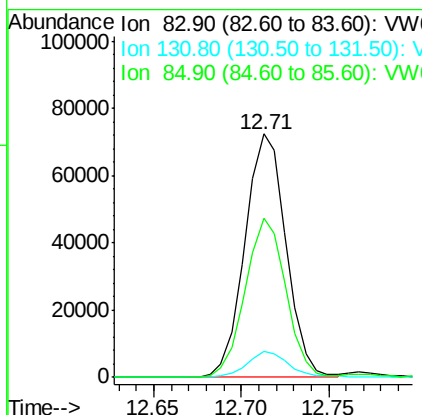
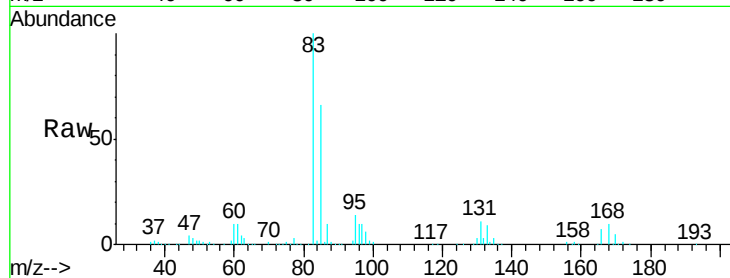




#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.013 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

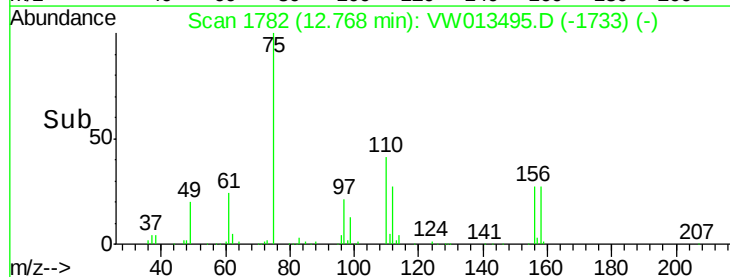
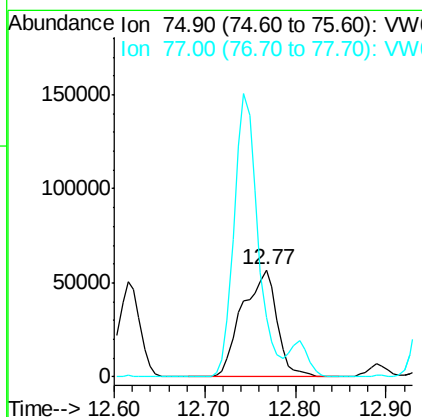
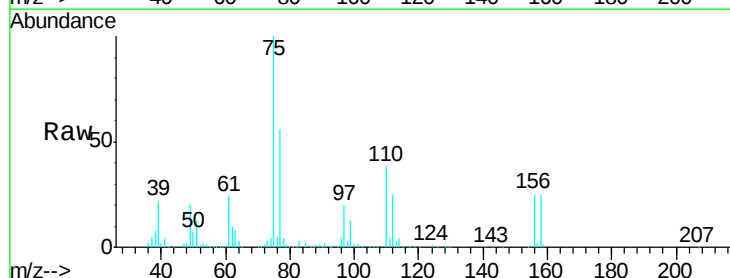
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

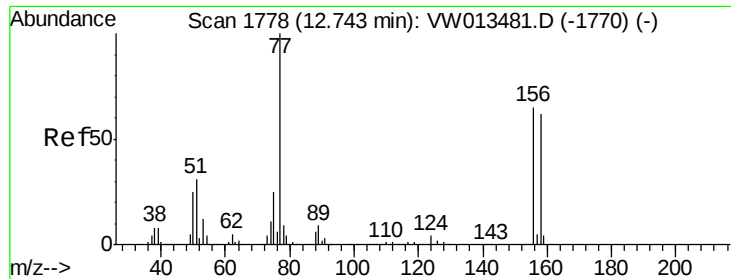
Tgt Ion: 83 Resp: 119072
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.9 17.7
 85 64.5 32.5 97.4



#76
 1,2,3-Trichloropropane
 Concen: 94.773 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion: 75 Resp: 150901
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.970 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

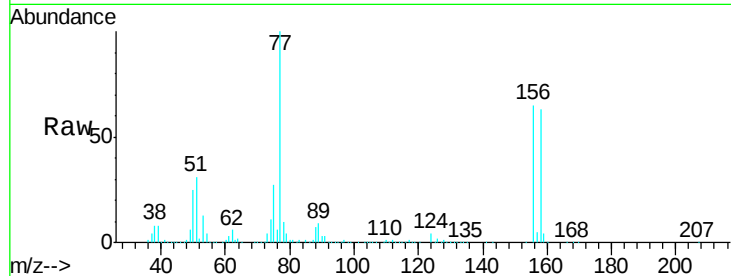
Tgt Ion:156 Resp: 162199

Ion Ratio Lower Upper

156 100

77 170.0 83.7 251.0

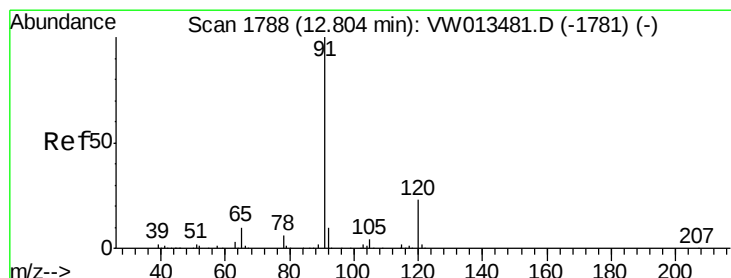
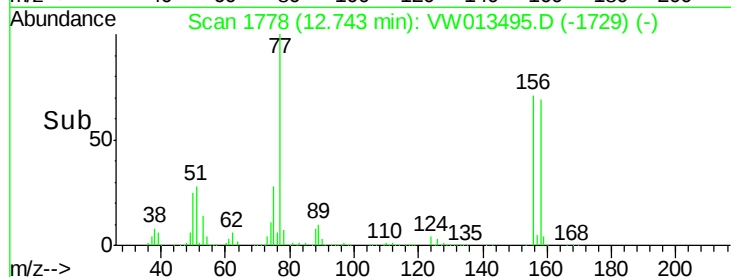
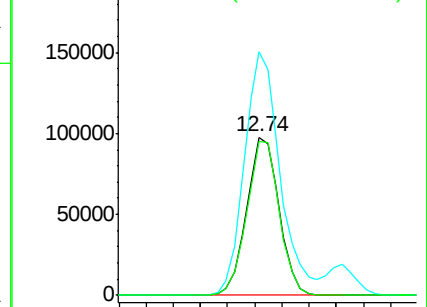
158 97.6 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.677 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013495.D

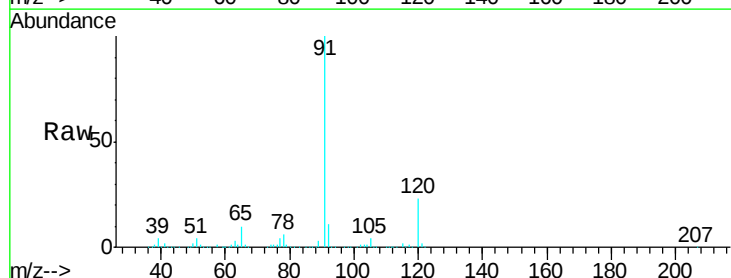
Acq: 09 Oct 2019 09:44

Tgt Ion: 91 Resp: 786659

Ion Ratio Lower Upper

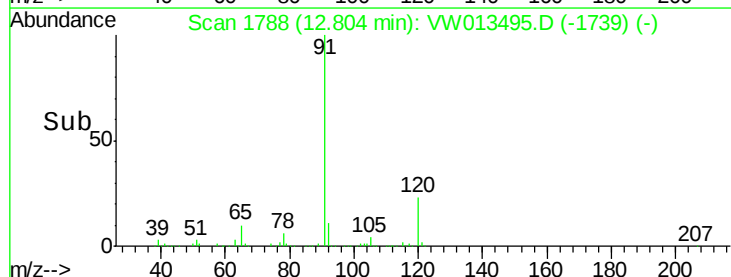
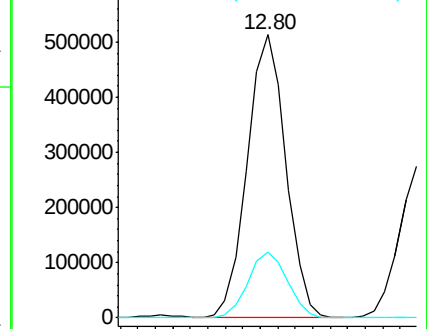
91 100

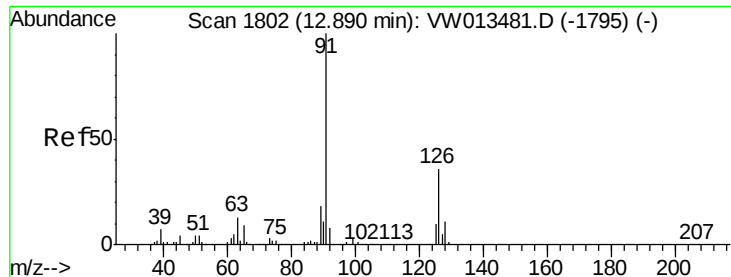
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.772 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

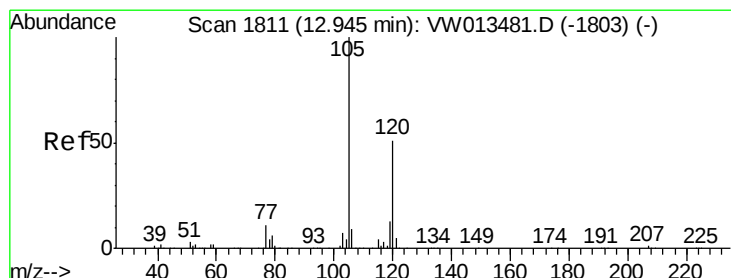
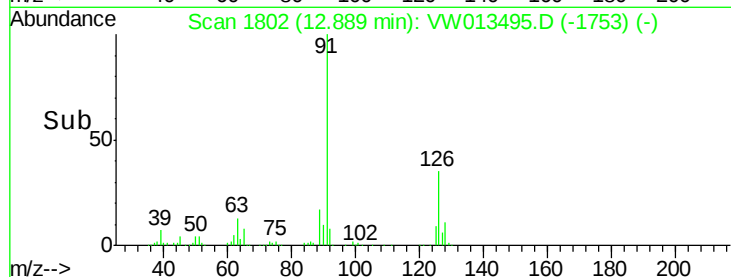
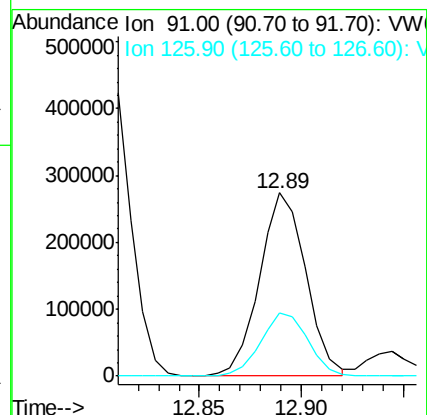
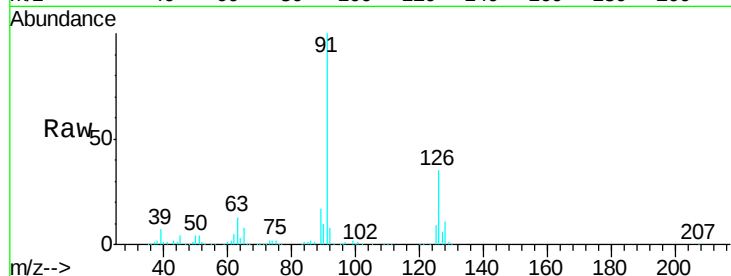
VSTDCCC050

Tgt Ion: 91 Resp: 432699

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 49.455 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013495.D

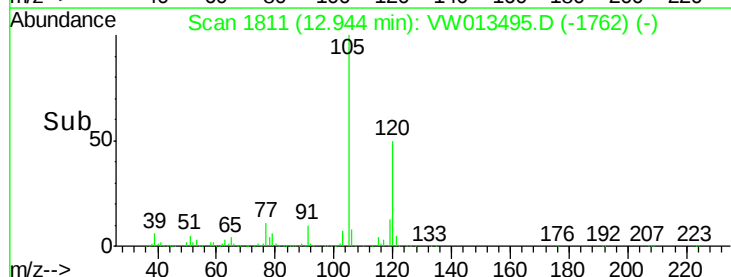
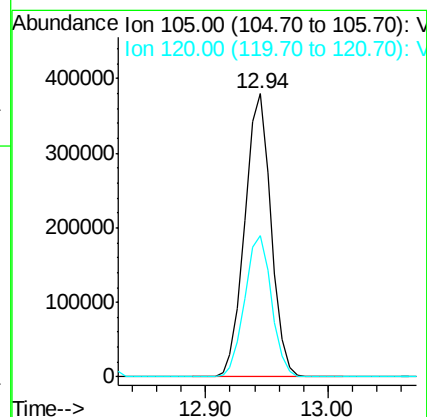
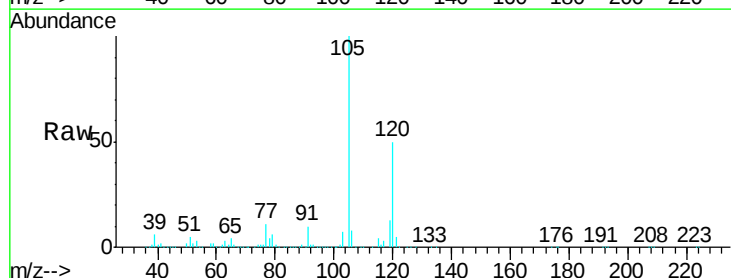
Acq: 09 Oct 2019 09:44

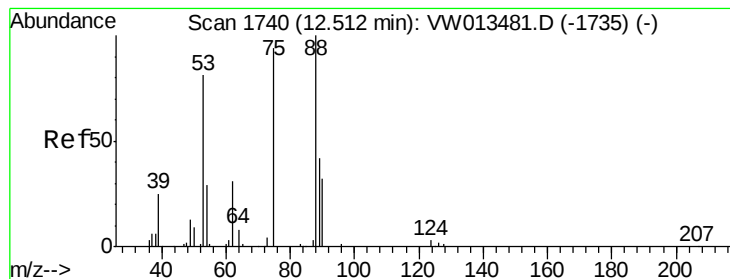
Tgt Ion: 105 Resp: 562711

Ion Ratio Lower Upper

105 100

120 51.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.071 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

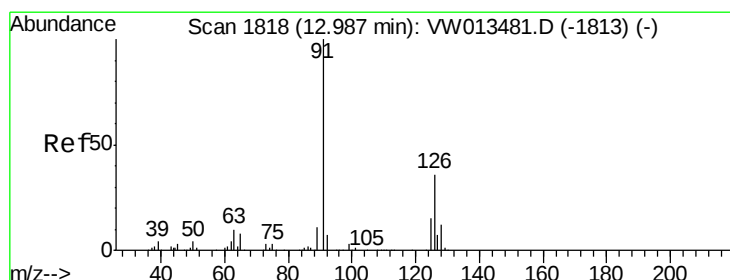
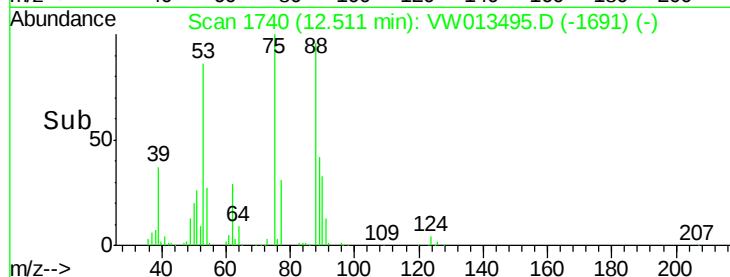
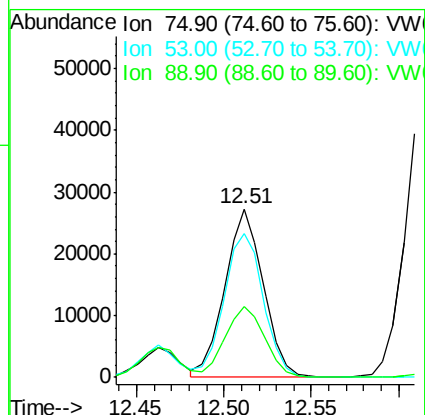
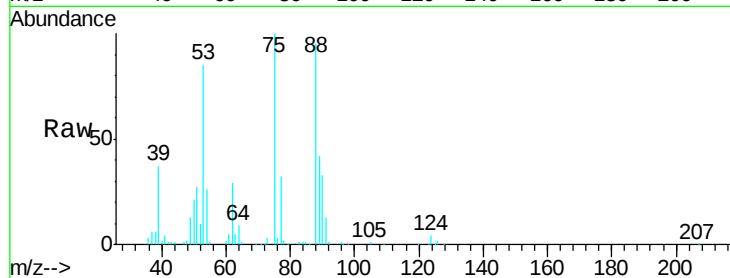
Tgt Ion: 75 Resp: 41338

Ion Ratio Lower Upper

75 100

53 88.2 71.0 106.6

89 43.2 36.1 54.1



#82

4-Chlorotoluene

Concen: 49.515 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013495.D

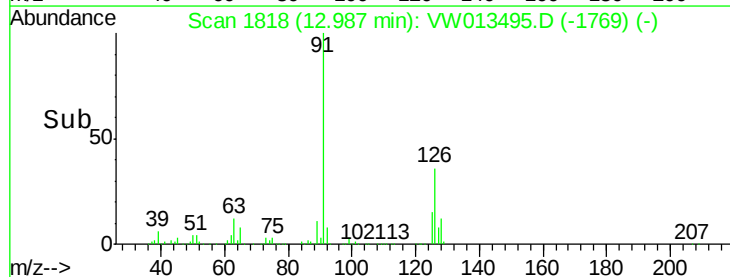
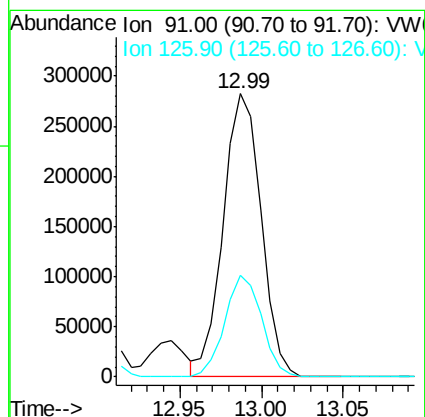
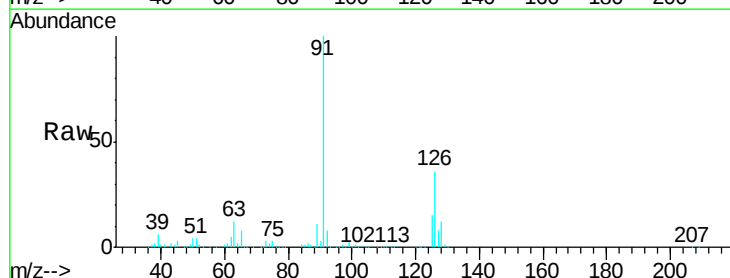
Acq: 09 Oct 2019 09:44

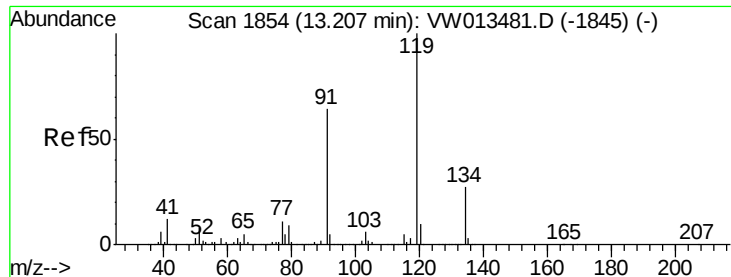
Tgt Ion: 91 Resp: 455948

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6

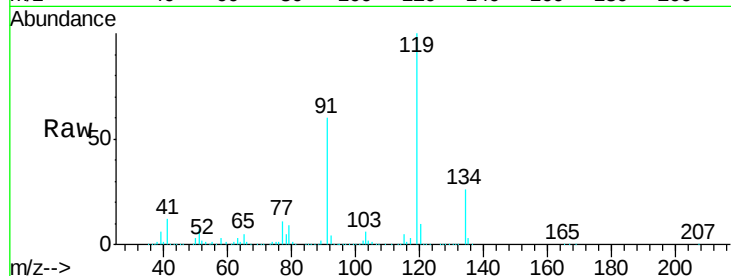




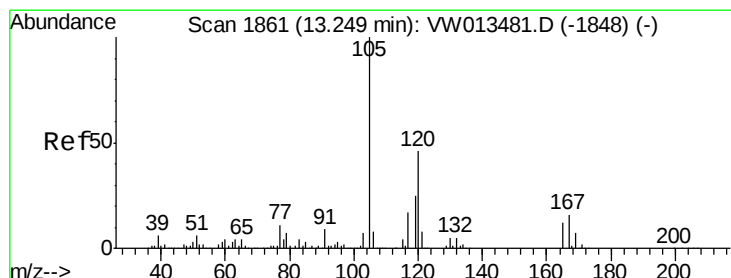
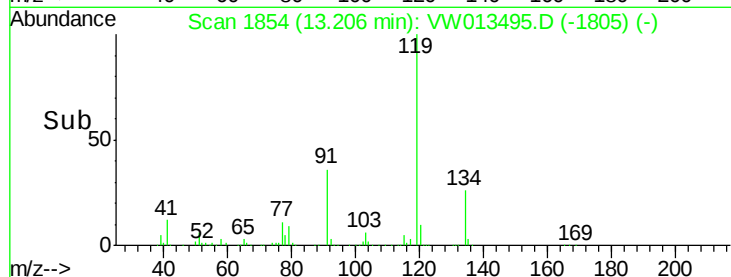
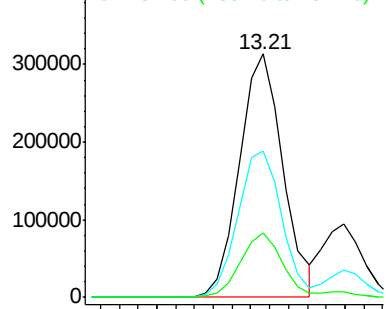
#83
tert-Butylbenzene
Concen: 49.614 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 501347
Ion Ratio Lower Upper
119 100
91 60.6 30.6 91.6
134 25.6 13.8 41.3

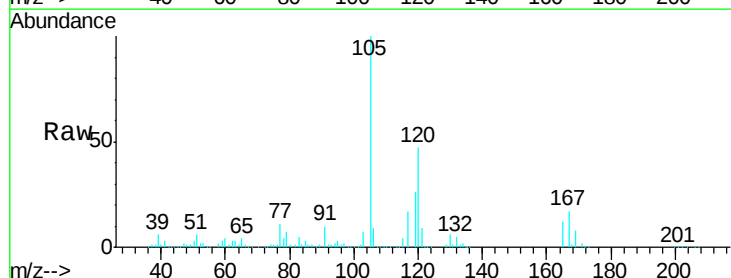


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

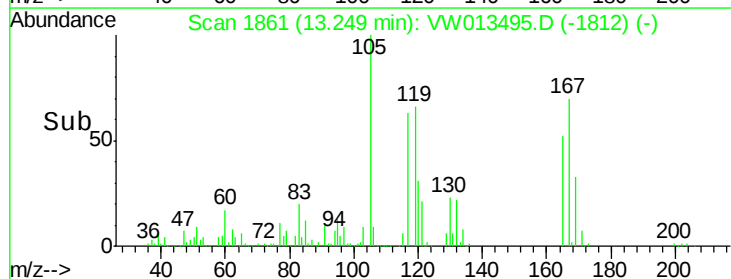
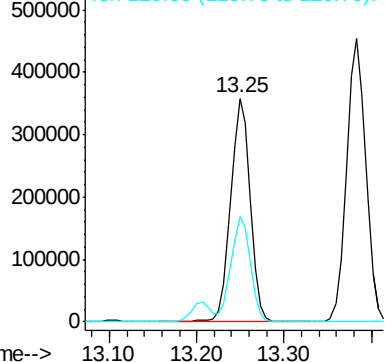


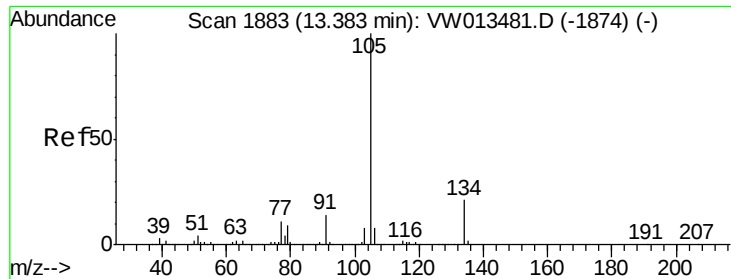
#84
1,2,4-Trimethylbenzene
Concen: 49.528 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion:105 Resp: 557348
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.5



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

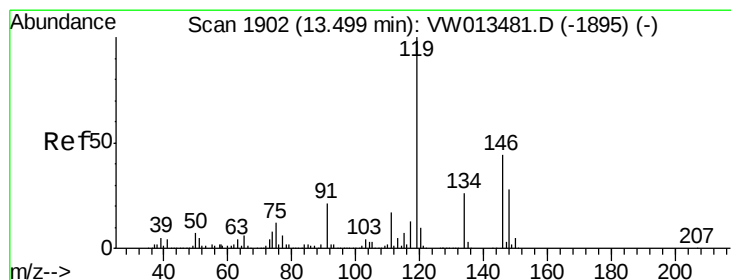
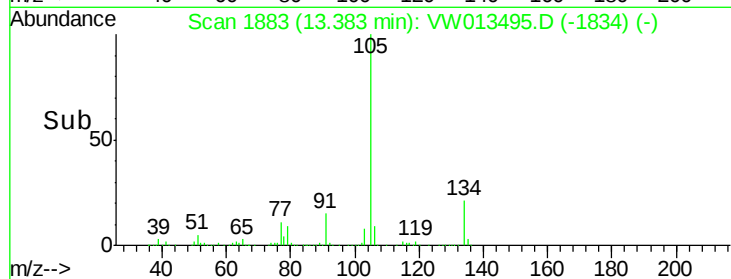
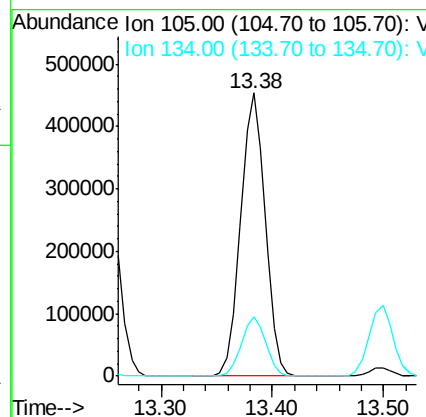
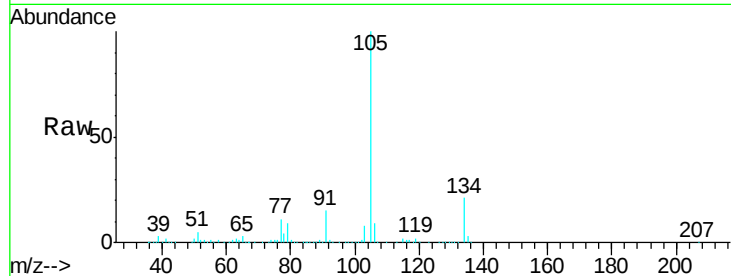




#85
 sec-Butylbenzene
 Concen: 49.533 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

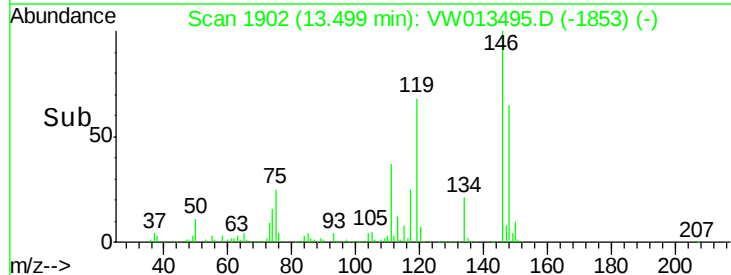
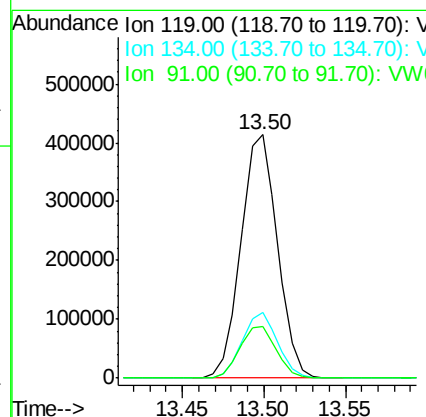
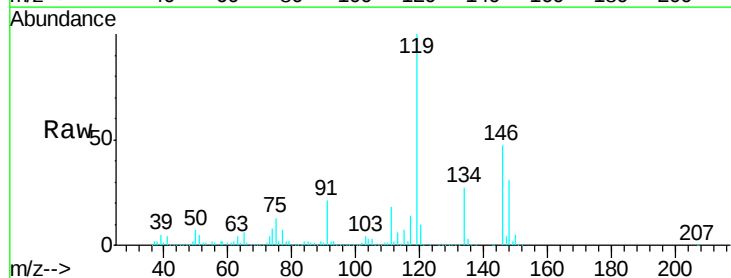
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

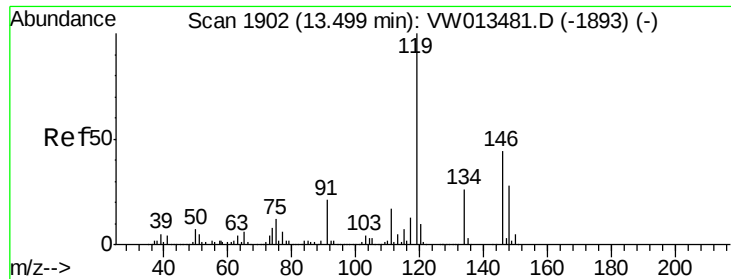
Tgt Ion:105 Resp: 691587
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 50.095 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion:119 Resp: 642620
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.1
 91 21.3 10.8 32.3

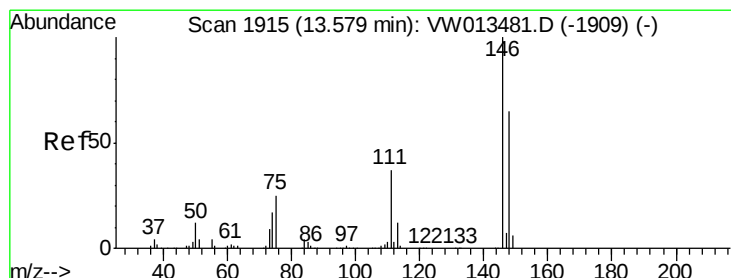
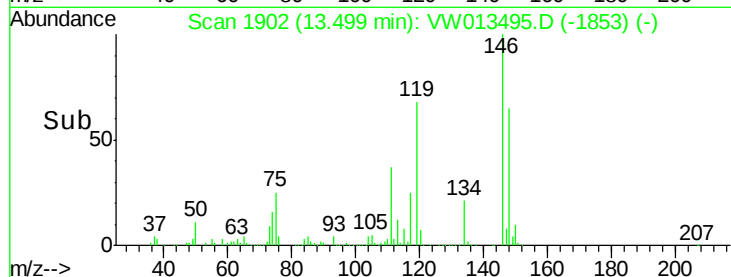
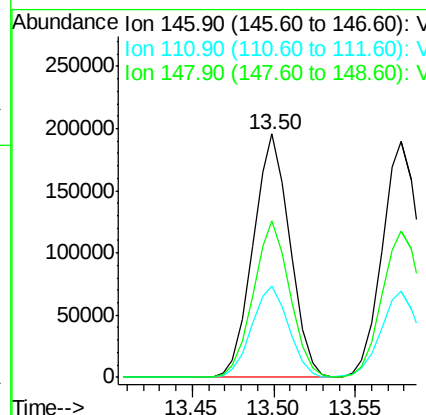
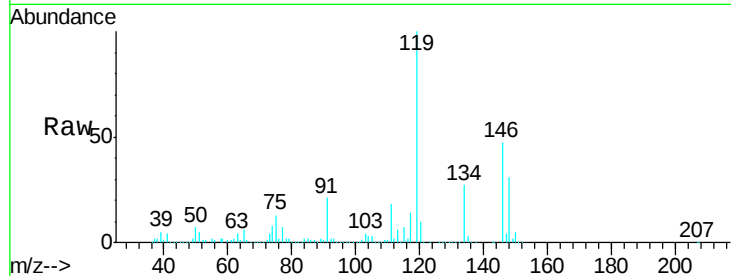




#87
 1,3-Dichlorobenzene
 Concen: 49.667 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

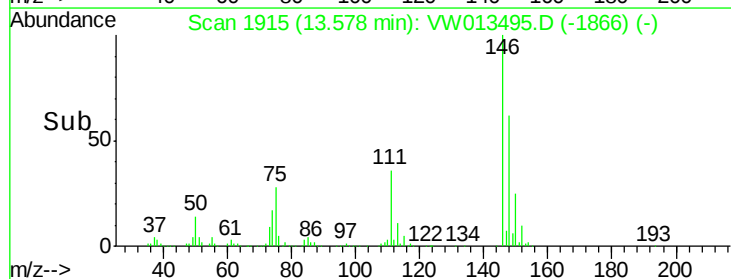
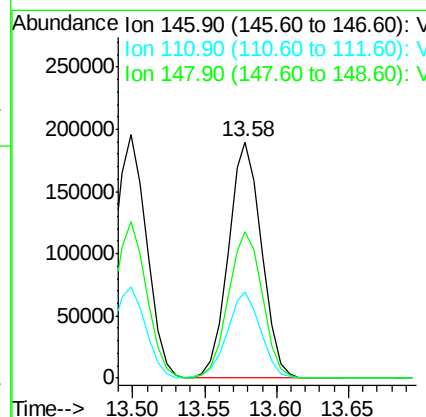
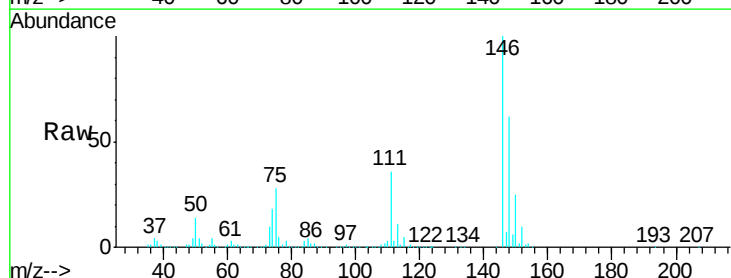
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

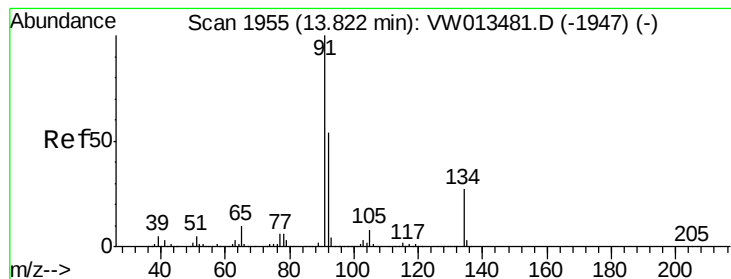
Tgt Ion:146 Resp: 305691
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.7 56.1
 148 63.7 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 50.600 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion:146 Resp: 305091
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.4 55.4
 148 63.6 32.0 96.2





#89

n-Butylbenzene

Concen: 51.028 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

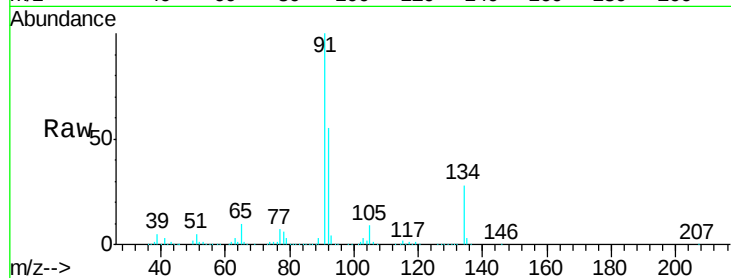
Tgt Ion: 91 Resp: 591324

Ion Ratio Lower Upper

91 100

92 54.4 27.5 82.4

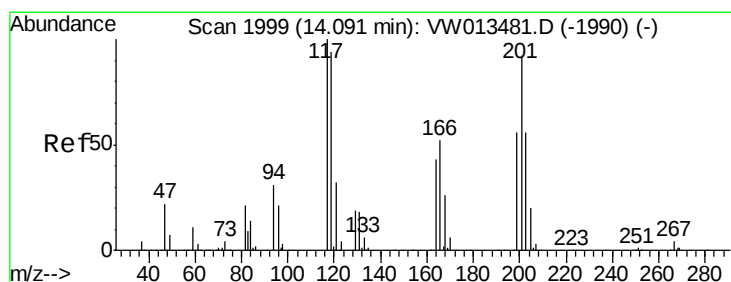
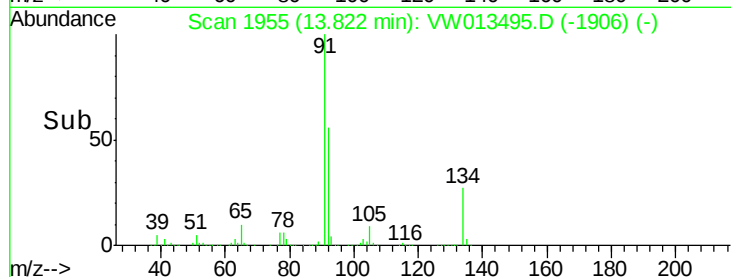
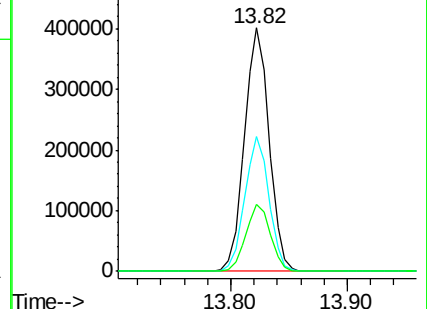
134 27.6 13.8 41.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.635 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013495.D

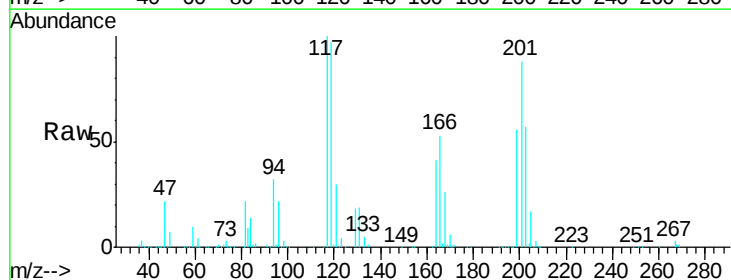
Acq: 09 Oct 2019 09:44

Tgt Ion: 117 Resp: 111142

Ion Ratio Lower Upper

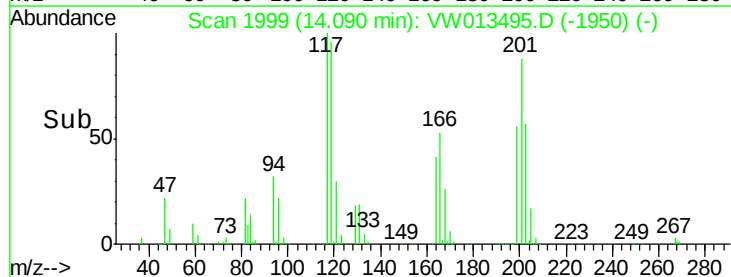
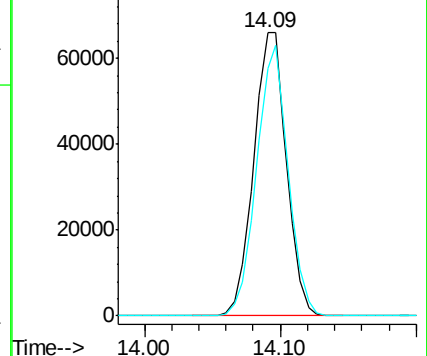
117 100

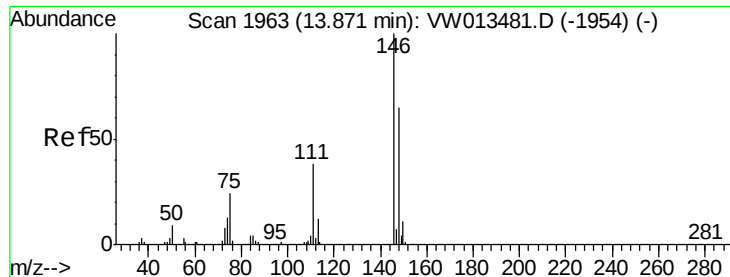
201 92.3 46.9 140.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

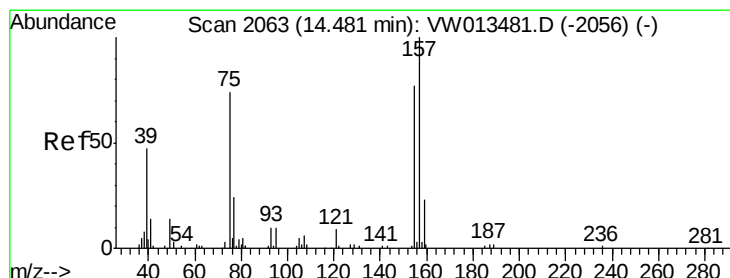
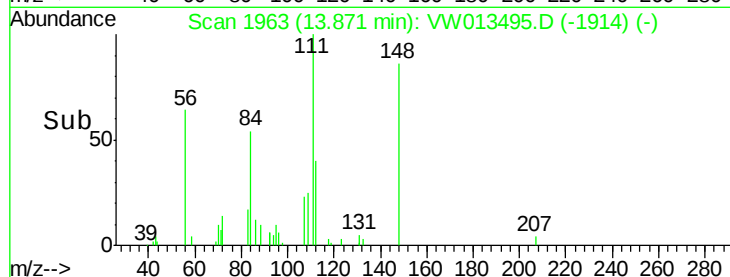
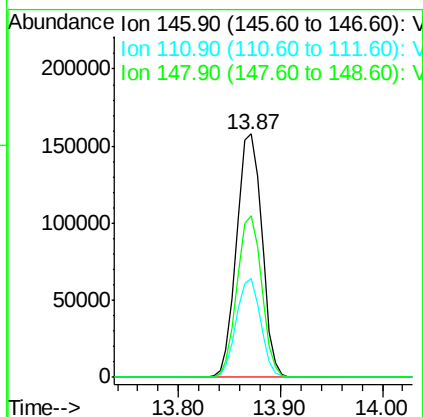
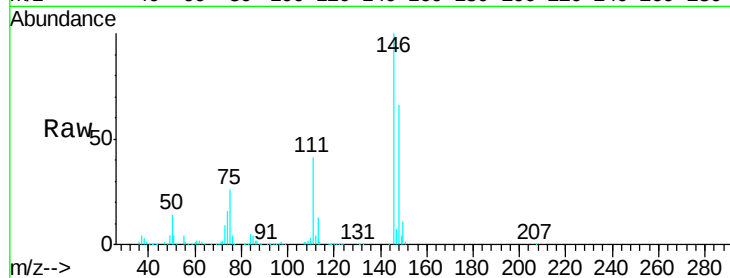




#91
 1,2-Dichlorobenzene
 Concen: 49.801 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

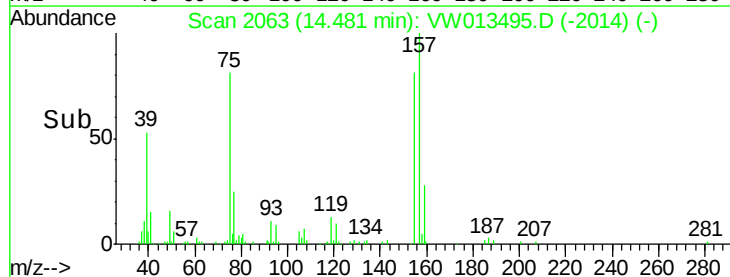
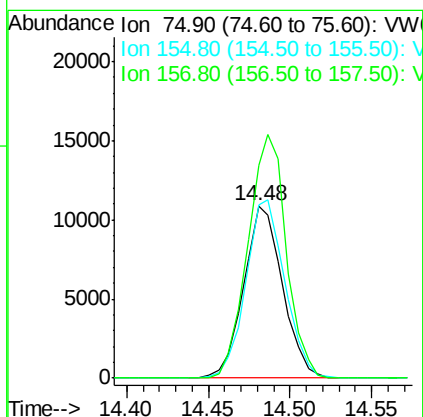
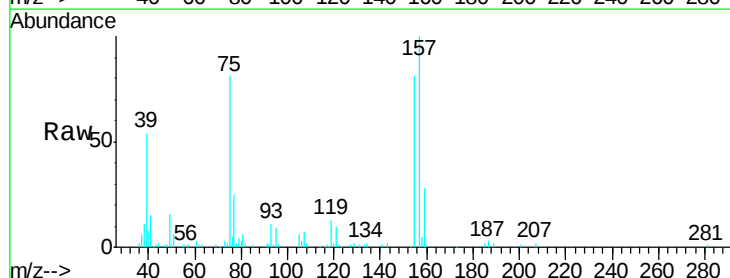
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

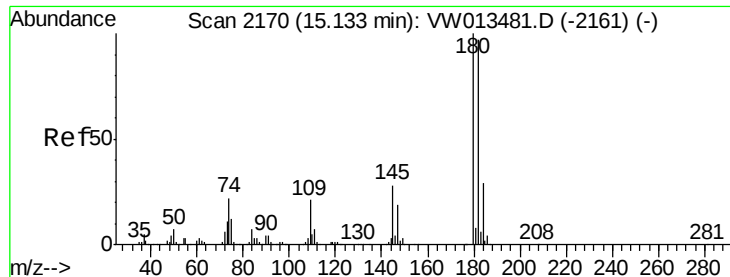
Tgt Ion: 146 Resp: 270627
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.4 58.2
 148 64.6 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.153 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion: 75 Resp: 17918
 Ion Ratio Lower Upper
 75 100
 155 104.8 51.0 153.1
 157 139.9 65.9 197.7

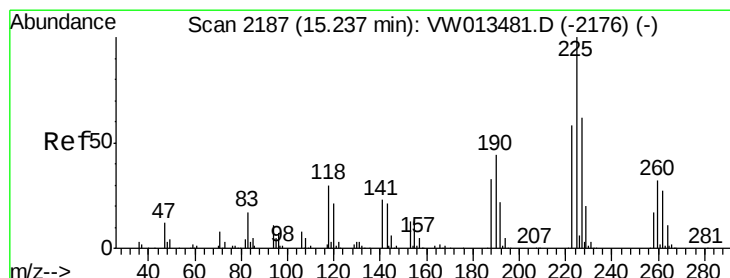
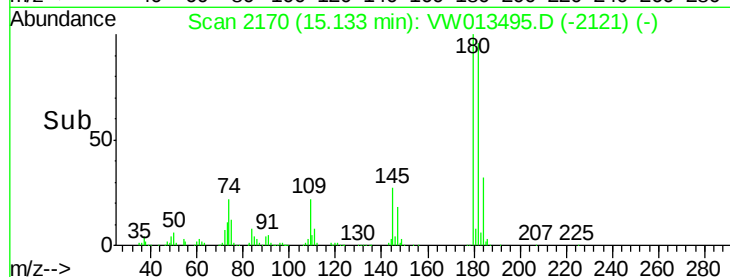
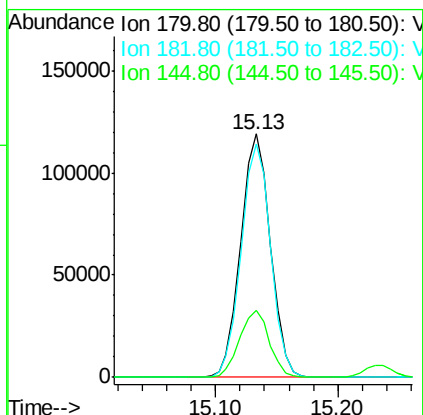
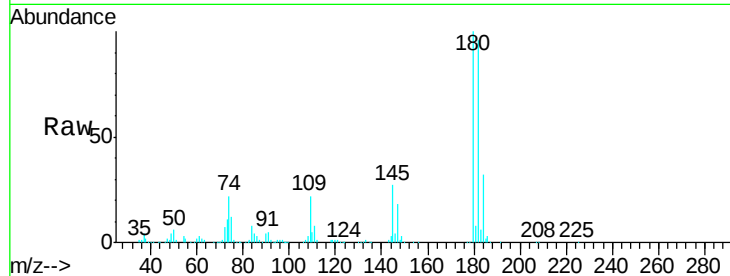




#93
 1,2,4-Trichlorobenzene
 Concen: 52.150 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

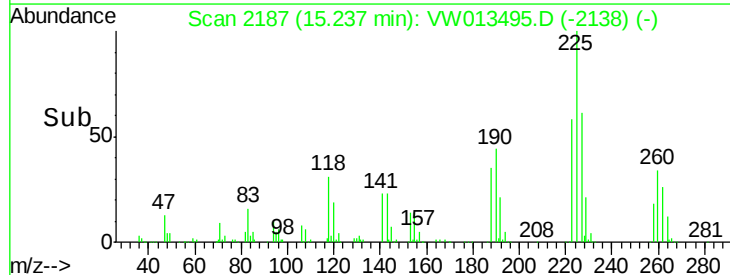
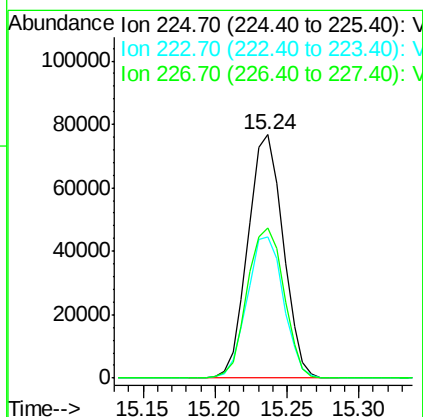
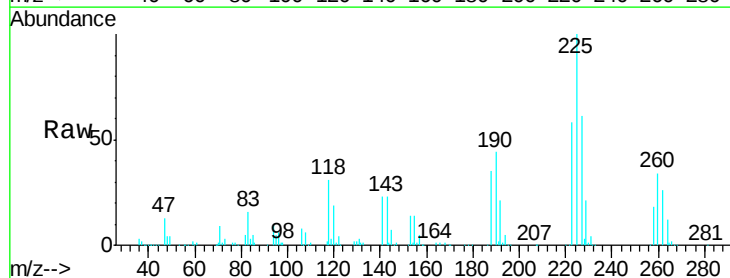
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

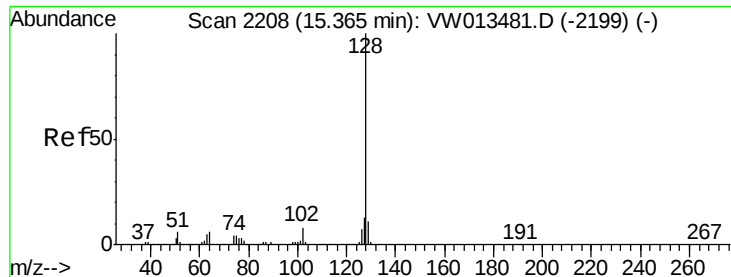
Tgt Ion:180 Resp: 200285
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.7 143.1
 145 27.6 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 50.750 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion:225 Resp: 129526
 Ion Ratio Lower Upper
 225 100
 223 60.1 30.3 90.9
 227 64.4 32.0 96.0





#95

Naphthalene

Concen: 53.516 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

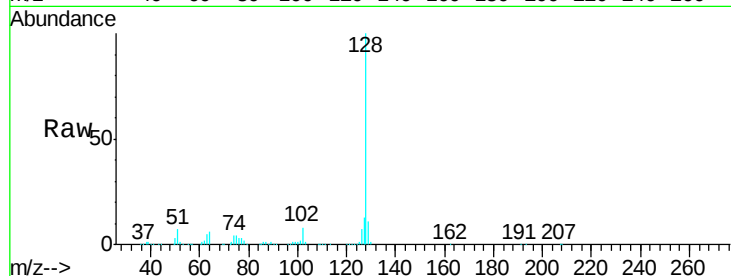
Tgt Ion:128 Resp: 355532

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

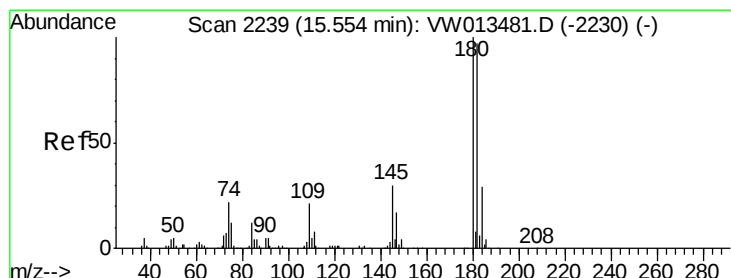
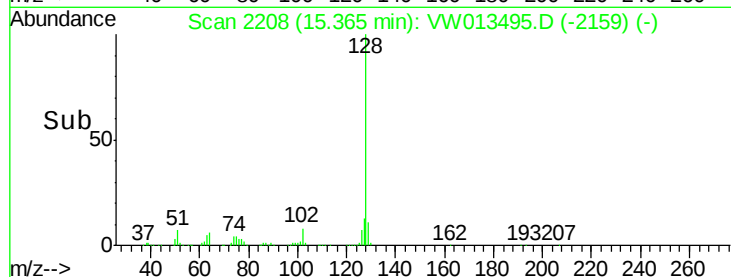
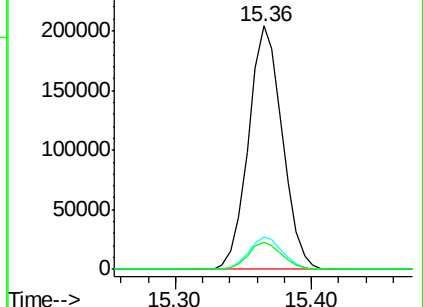
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.790 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

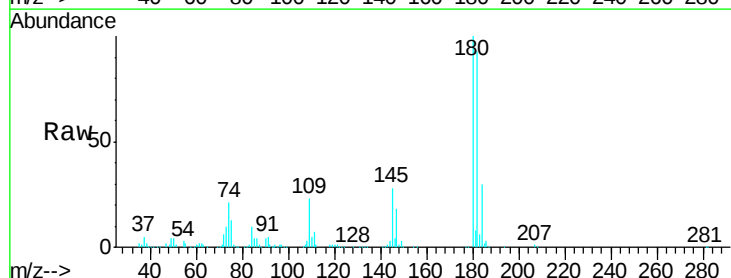
Tgt Ion:180 Resp: 177287

Ion Ratio Lower Upper

180 100

182 93.9 47.7 143.1

145 29.1 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

