

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011949.D
 Acq On : 16 Aug 2019 01:11
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 16 04:38:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157557	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	135363	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.88	113	108321	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
50) Toluene-d8	10.32	98	440855	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.62	95	222872	74.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.18%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	51079	41.867	ug/l 95
3) Chloromethane	2.21	50	90748	42.896	ug/l 98
4) Vinyl Chloride	2.36	62	114511	44.960	ug/l 98
5) Bromomethane	2.76	94	55939	39.679	ug/l 99
6) Chloroethane	2.91	64	68758	47.261	ug/l 93
7) Trichlorofluoromethane	3.25	101	54715	48.068	ug/l 99
8) Diethyl Ether	3.68	74	66280	51.356	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104633	48.457	ug/l 99
10) Methyl Iodide	4.27	142	152538	49.989	ug/l 100
11) Tert butyl alcohol	5.19	59	44083	236.679	ug/l 100
12) 1,1-Dichloroethene	4.04	96	109427	47.997	ug/l 97
13) Acrolein	3.89	56	31794	176.275	ug/l 99
14) Allyl chloride	4.66	41	243020	50.117	ug/l 99
15) Acrylonitrile	5.37	53	172022	267.012	ug/l 98
16) Acetone	4.12	43	145136	181.510	ug/l 95
17) Carbon Disulfide	4.38	76	324048	45.413	ug/l 100
18) Methyl Acetate	4.67	43	95739	53.298	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	195700	54.093	ug/l 99
20) Methylene Chloride	4.91	84	128422	46.569	ug/l 99
21) trans-1,2-Dichloroethene	5.42	96	123478	50.236	ug/l 97
22) Diisopropyl ether	6.31	45	481305	52.646	ug/l 99
23) Vinyl Acetate	6.25	43	1497799	260.733	ug/l 100
24) 1,1-Dichloroethane	6.21	63	255310	52.144	ug/l 99
25) 2-Butanone	7.17	43	238828	228.258	ug/l 98
26) 2,2-Dichloropropane	7.17	77	126976	42.168	ug/l 97
27) cis-1,2-Dichloroethene	7.17	96	138904	51.347	ug/l 99
28) Bromochloromethane	7.51	49	118764	54.647	ug/l 99
29) Tetrahydrofuran	7.53	42	158705	265.359	ug/l 99
30) Chloroform	7.68	83	234753	51.969	ug/l 98
31) Cyclohexane	7.95	56	222895	47.424	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	180577	52.491	ug/l 99
36) 1,1-Dichloropropene	8.08	75	190132	49.778	ug/l 99
37) Ethyl Acetate	7.25	43	112430	51.162	ug/l 98
38) Carbon Tetrachloride	8.07	117	164324	50.254	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	210265	49.993	ug/l	99
40) Benzene	8.32	78	536119	50.109	ug/l	100
41) Methacrylonitrile	7.48	41	66253	50.435	ug/l	96
42) 1,2-Dichloroethane	8.40	62	171006	51.051	ug/l	100
43) Isopropyl Acetate	8.42	43	212415	52.559	ug/l	99
44) Trichloroethene	9.09	130	130191	50.629	ug/l	99
45) 1,2-Dichloropropane	9.37	63	146089	51.032	ug/l	100
46) Dibromomethane	9.46	93	66589	50.964	ug/l	99
47) Bromodichloromethane	9.65	83	175564	51.224	ug/l	99
48) Methyl methacrylate	9.43	41	102952	53.031	ug/l	98
49) 1,4-Dioxane	9.46	88	20984	1109.177	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	555439	264.225	ug/l	100
52) Toluene	10.39	92	325859	50.434	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	180000	50.276	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	213961	50.262	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	94584	51.020	ug/l	98
56) Ethyl methacrylate	10.65	69	146239	53.908	ug/l	98
57) 1,3-Dichloropropane	10.93	76	180537	51.475	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	373430	303.180	ug/l	100
59) 2-Hexanone	10.97	43	377099	254.067	ug/l	100
60) Dibromochloromethane	11.13	129	104863	50.959	ug/l	100
61) 1,2-Dibromoethane	11.24	107	90454	51.559	ug/l	99
64) Tetrachloroethene	10.86	164	108213	51.738	ug/l	98
65) Chlorobenzene	11.66	112	325743	50.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114847	51.053	ug/l	98
67) Ethyl Benzene	11.73	91	634839	51.613	ug/l	99
68) m/p-Xylenes	11.84	106	454102	101.517	ug/l	99
69) o-Xylene	12.16	106	216617	52.112	ug/l	100
70) Styrene	12.18	104	376054	52.324	ug/l	99
71) Bromoform	12.35	173	59549	51.919	ug/l #	97
73) Isopropylbenzene	12.46	105	591298	50.306	ug/l	99
74) N-amyl acetate	12.27	43	202308	54.976	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	123414	55.820	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	148792	89.250	ug/l #	100
77) Bromobenzene	12.75	156	131775	50.721	ug/l	98
78) n-propylbenzene	12.80	91	711252	49.721	ug/l	100
79) 2-Chlorotoluene	12.89	91	413060	50.122	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	494154	50.153	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36084	49.883	ug/l	96
82) 4-Chlorotoluene	12.99	91	429493	49.672	ug/l	99
83) tert-Butylbenzene	13.21	119	421409	51.145	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	492415	49.612	ug/l	99
85) sec-Butylbenzene	13.38	105	590648	50.240	ug/l	100
86) p-Isopropyltoluene	13.50	119	532033	49.877	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	243795	47.858	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	246842	48.711	ug/l	95
89) n-Butylbenzene	13.82	91	514996	48.379	ug/l	99
90) Hexachloroethane	14.09	117	92348	48.959	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	220873	49.023	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18948	50.257	ug/l	91

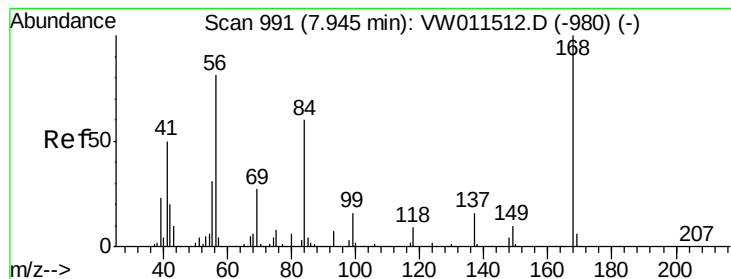
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153720	48.410	ug/l	99
94) Hexachlorobutadiene	15.24	225	96287	48.624	ug/l	99
95) Naphthalene	15.36	128	313973	50.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	138904	49.905	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

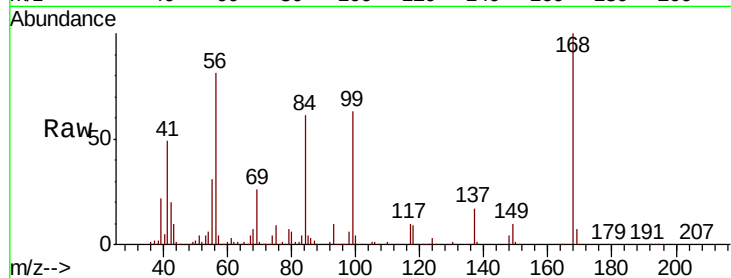
VSTDCCC050EC

Tgt Ion:168 Resp: 218911

Ion Ratio Lower Upper

168 100

99 63.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

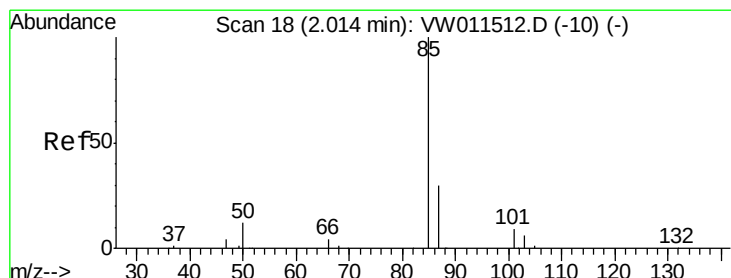
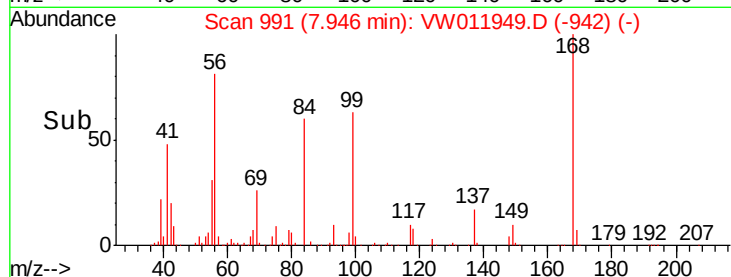
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 41.867 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011949.D

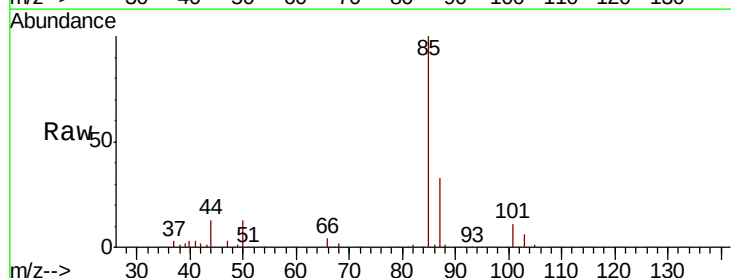
Acq: 16 Aug 2019 01:11

Tgt Ion: 85 Resp: 51079

Ion Ratio Lower Upper

85 100

87 32.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

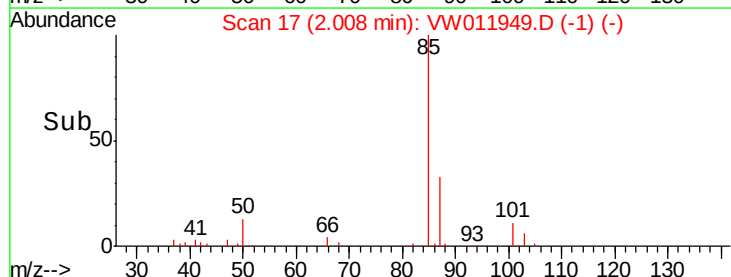
15000

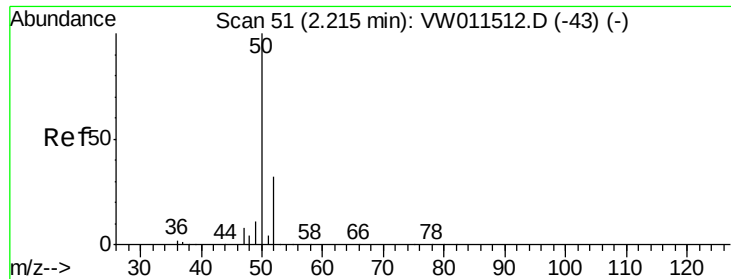
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 42.896 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

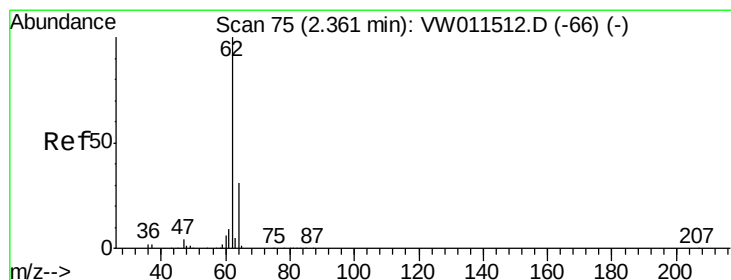
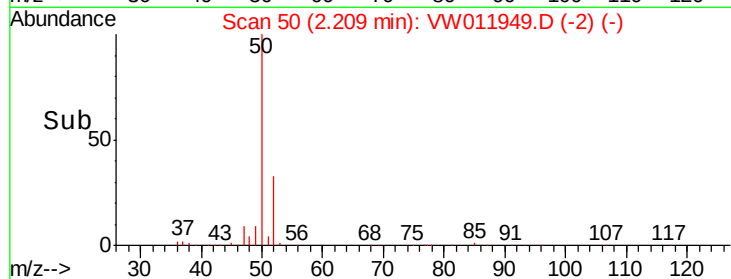
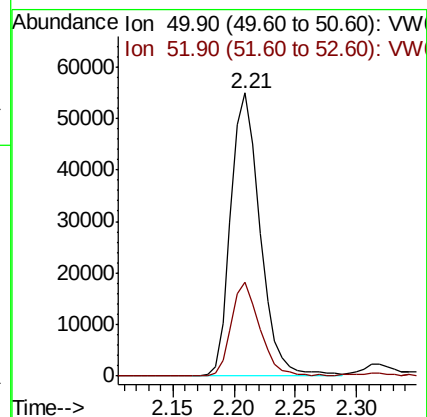
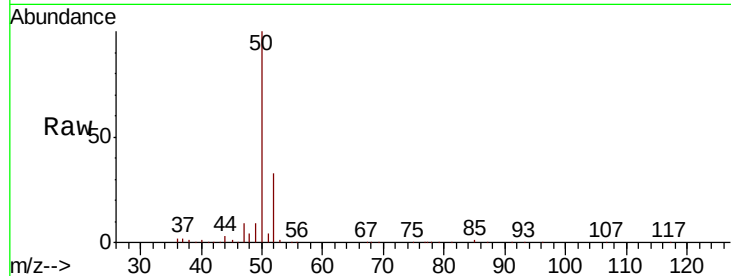
VSTDCCC050EC

Tgt Ion: 50 Resp: 90748

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



#4

Vinyl Chloride

Concen: 44.960 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011949.D

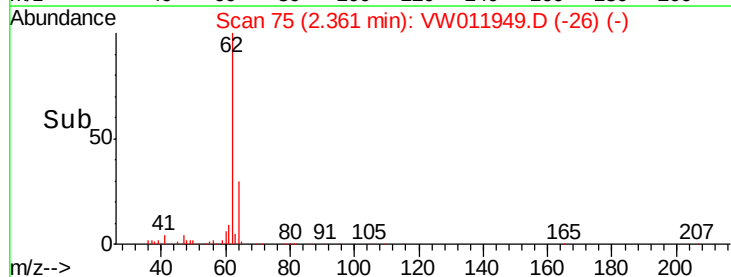
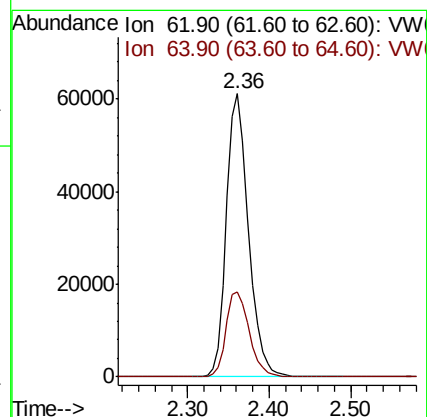
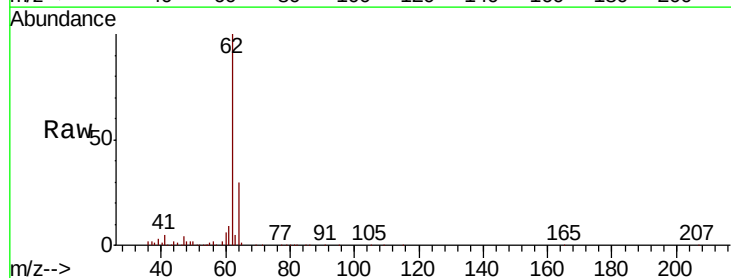
Acq: 16 Aug 2019 01:11

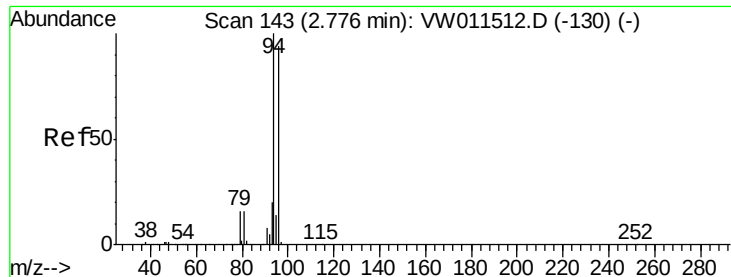
Tgt Ion: 62 Resp: 114511

Ion Ratio Lower Upper

62 100

64 29.9 25.0 37.4





#5

Bromomethane

Concen: 39.679 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

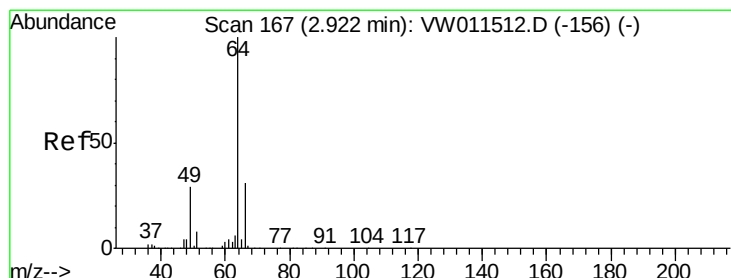
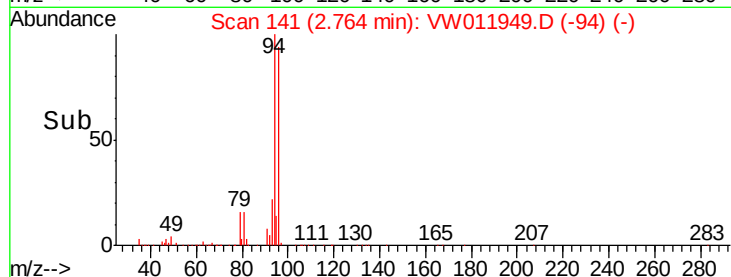
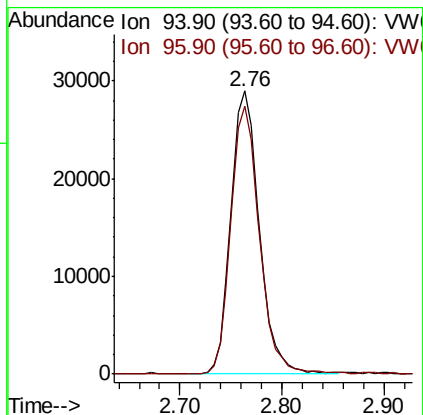
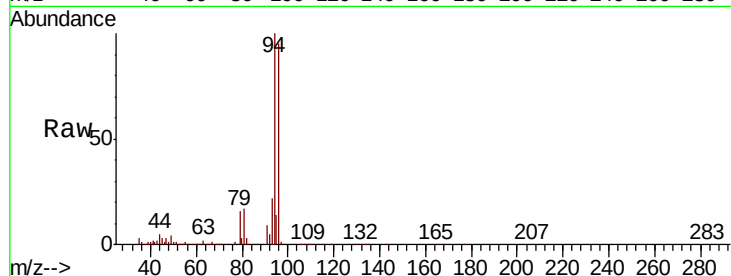
VSTDCCC050EC

Tgt Ion: 94 Resp: 55939

Ion Ratio Lower Upper

94 100

96 94.6 75.0 112.6



#6

Chloroethane

Concen: 47.261 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011949.D

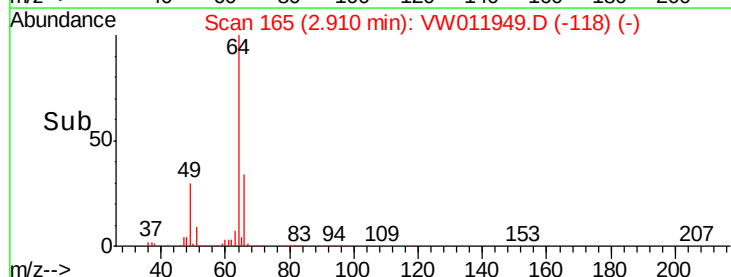
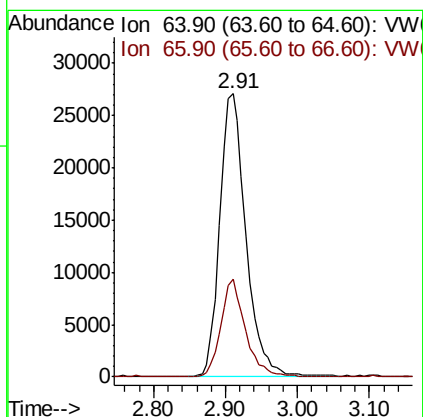
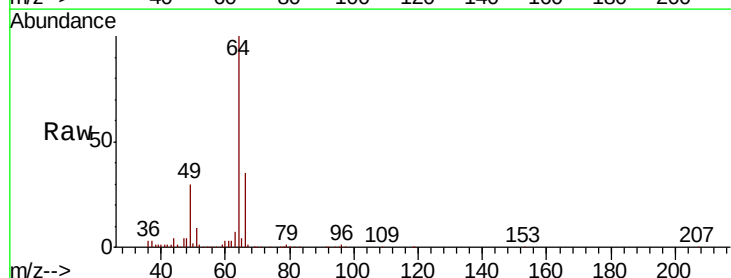
Acq: 16 Aug 2019 01:11

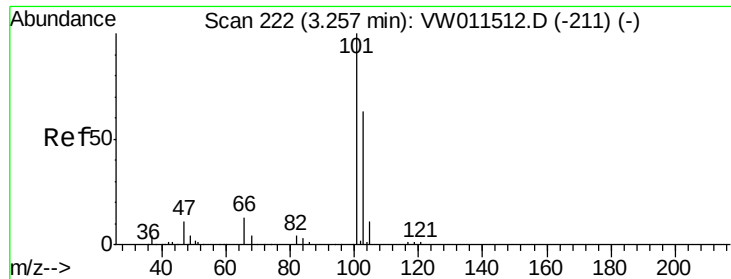
Tgt Ion: 64 Resp: 68758

Ion Ratio Lower Upper

64 100

66 34.3 24.6 36.8



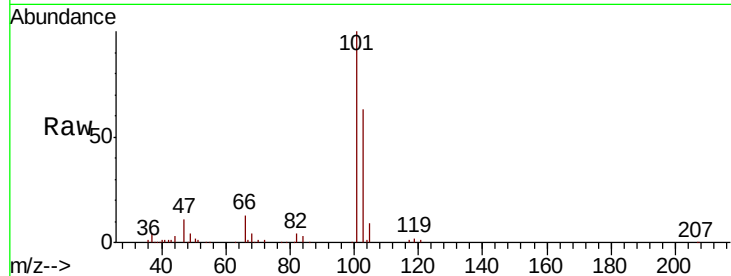


#7

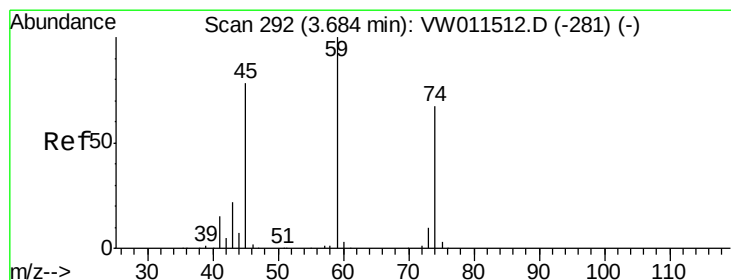
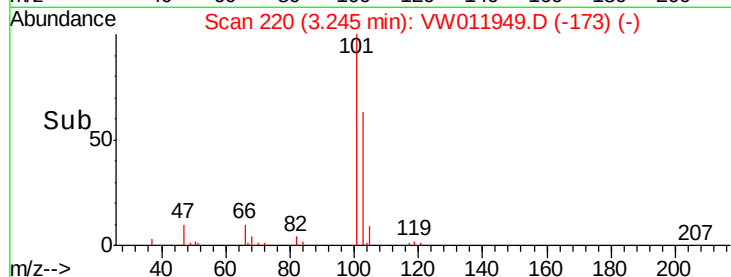
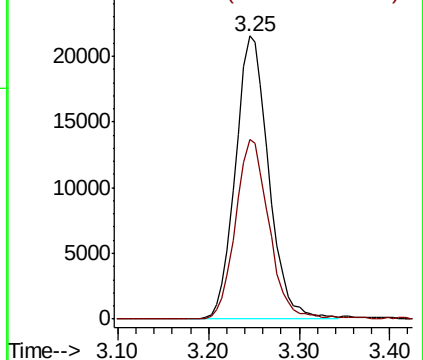
Trichlorofluoromethane
 Concen: 48.068 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
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Tgt Ion:101 Resp: 54715
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.2 75.4



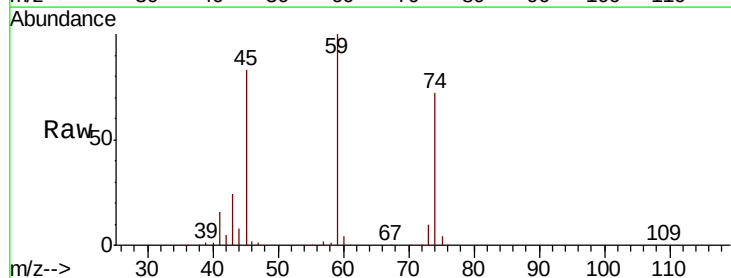
Abundance Ion 100.90 (100.60 to 101.60): V
 25000 Ion 102.80 (102.50 to 103.50): V



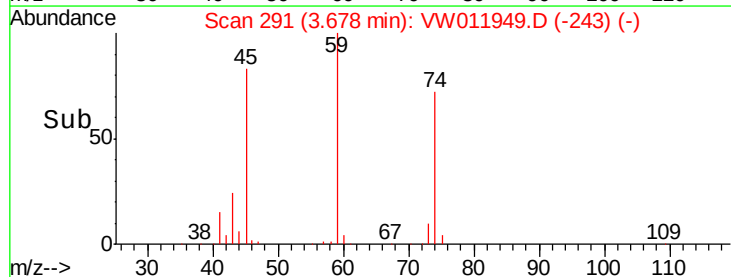
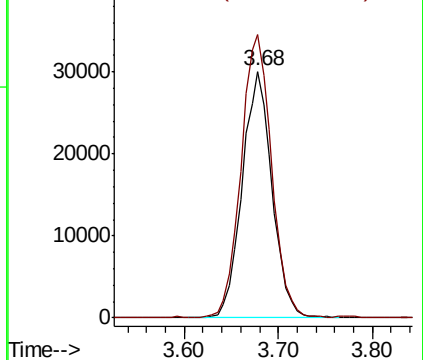
#8

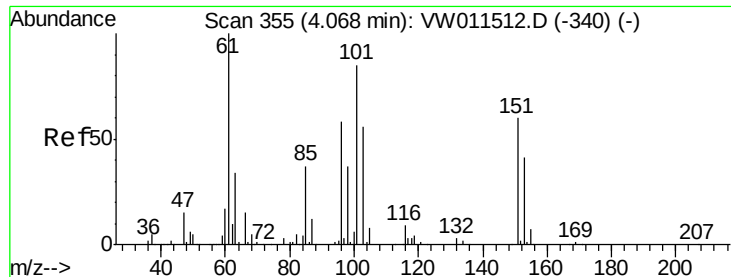
Diethyl Ether
 Concen: 51.356 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 74 Resp: 66280
 Ion Ratio Lower Upper
 74 100
 45 116.9 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW
 40000 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.457 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

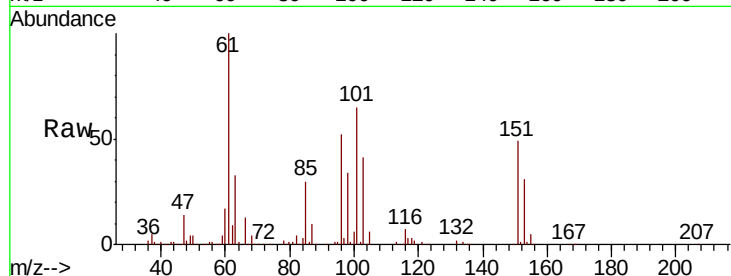
Tgt Ion:101 Resp: 104633

Ion Ratio Lower Upper

101 100

85 45.0 36.6 54.8

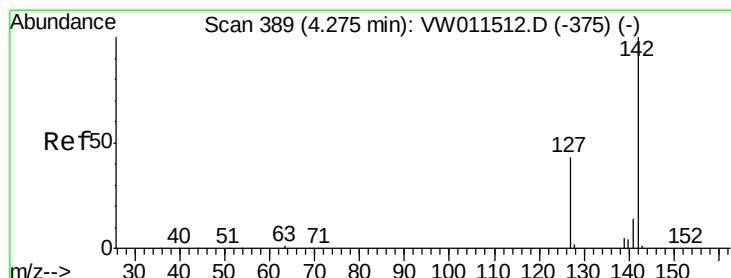
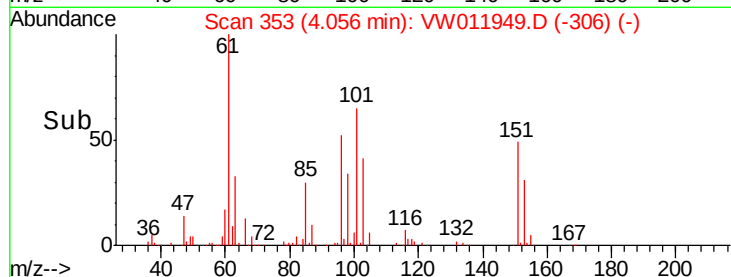
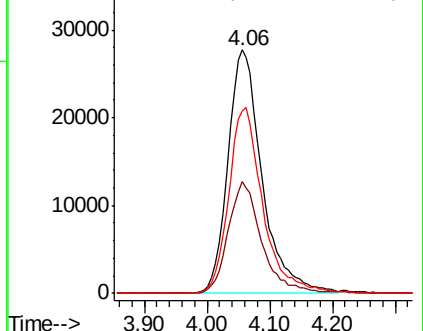
151 76.0 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.989 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

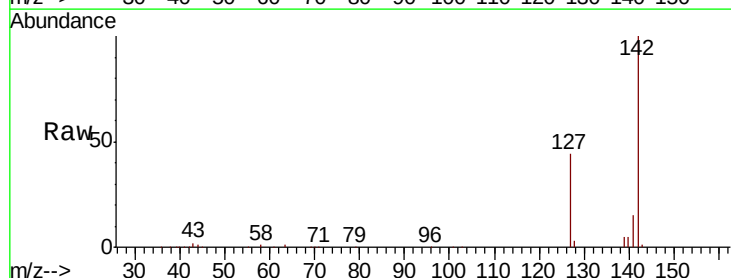
Tgt Ion:142 Resp: 152538

Ion Ratio Lower Upper

142 100

127 44.1 35.0 52.6

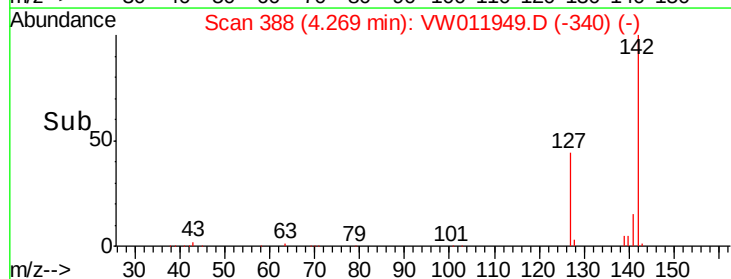
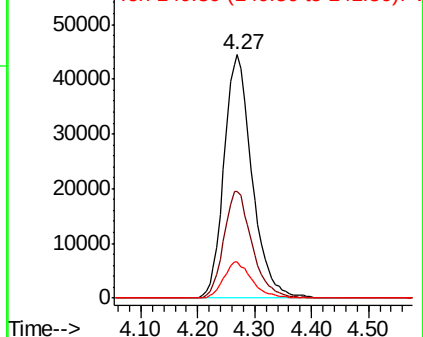
141 14.8 11.9 17.9

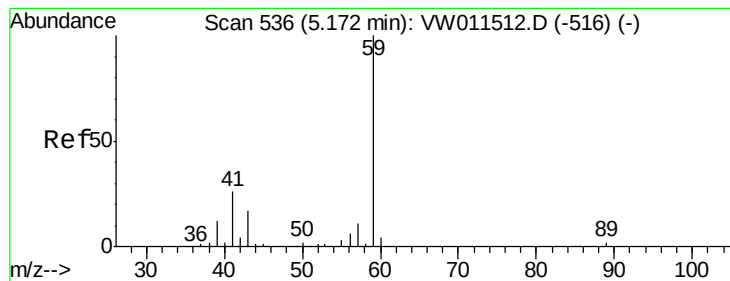


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



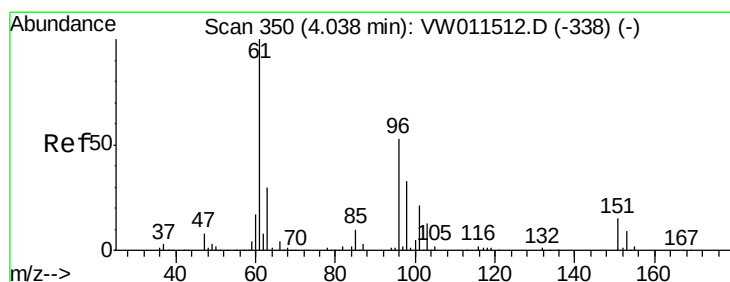
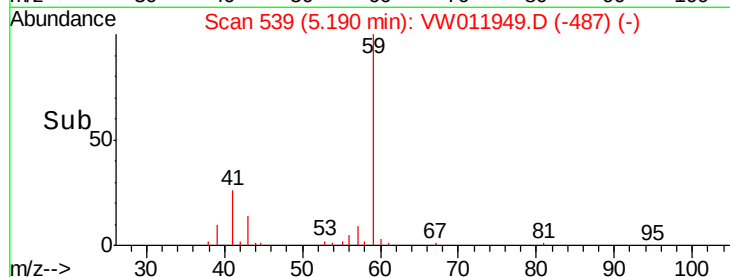
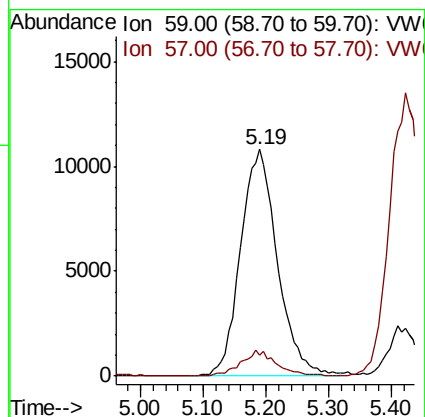
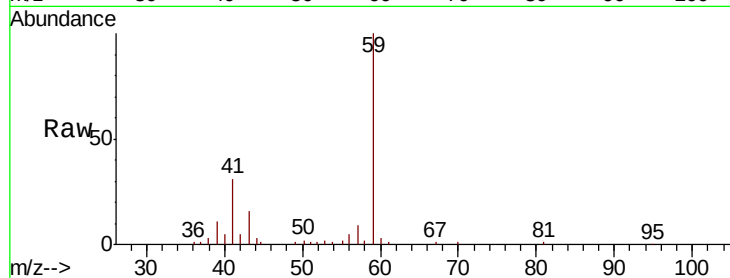


#11

Tert butyl alcohol
 Concen: 236.679 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

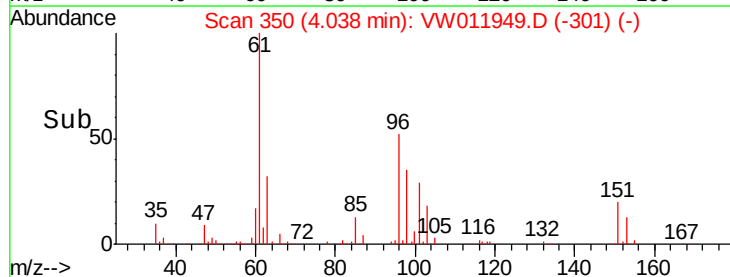
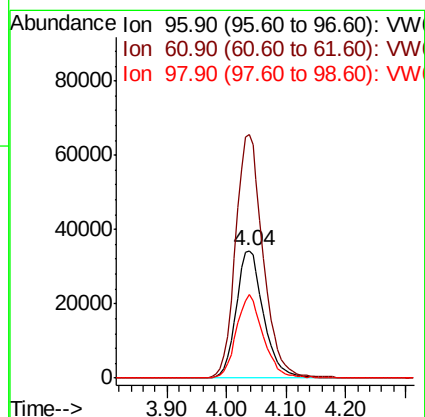
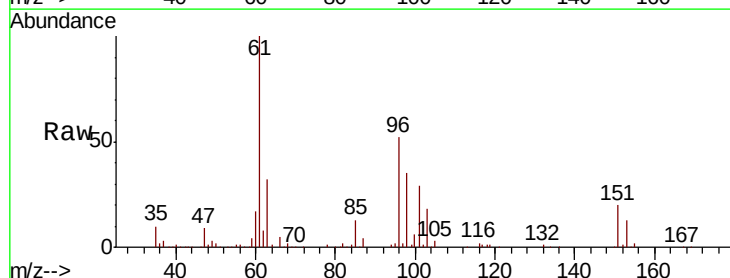
Tgt Ion: 59 Resp: 44083
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7

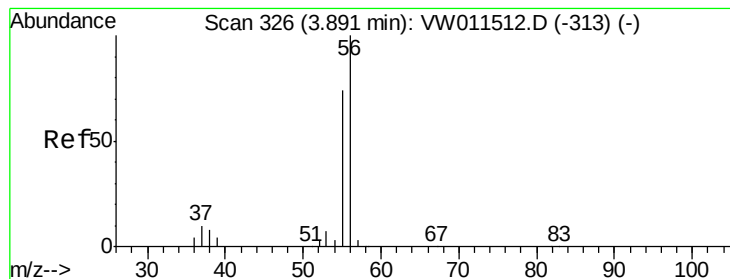


#12

1,1-Dichloroethene
 Concen: 47.997 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 96 Resp: 109427
 Ion Ratio Lower Upper
 96 100
 61 191.1 149.9 224.9
 98 66.0 49.1 73.7





#13

Acrolein

Concen: 176.275 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

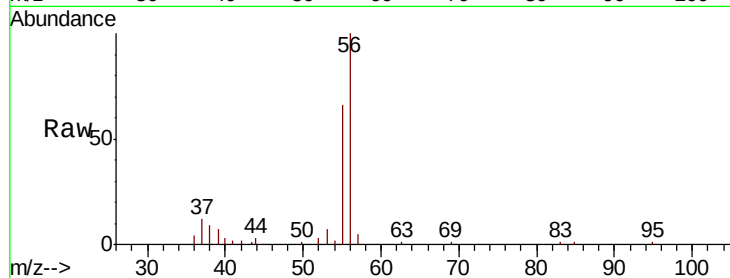
VSTDCCC050EC

Tgt Ion: 56 Resp: 31794

Ion Ratio Lower Upper

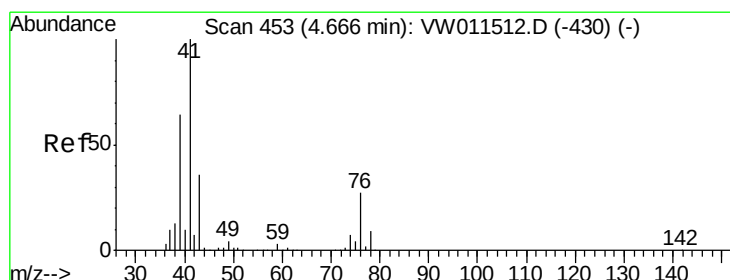
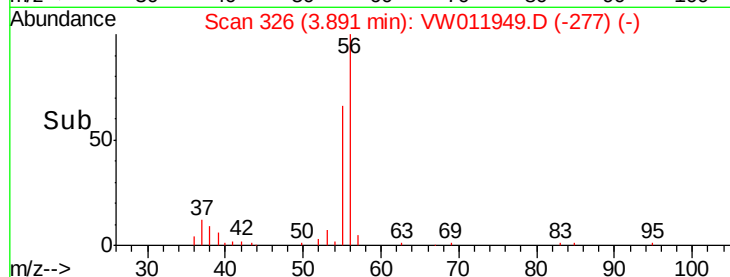
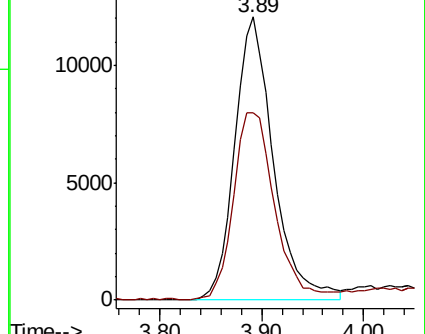
56 100

55 70.9 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 50.117 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

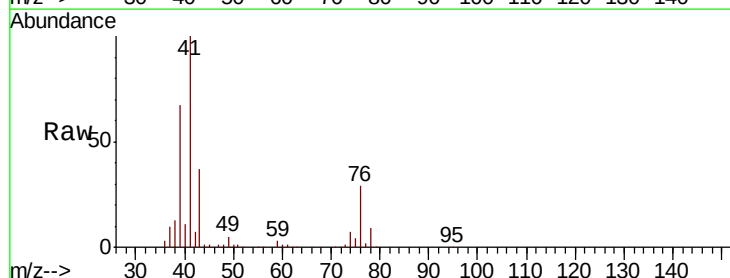
Tgt Ion: 41 Resp: 243020

Ion Ratio Lower Upper

41 100

39 67.1 52.6 78.8

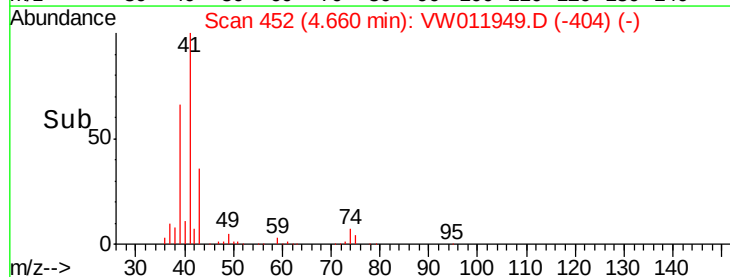
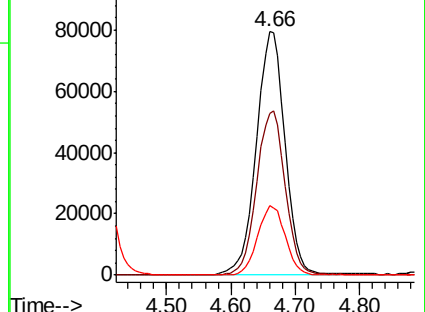
76 27.6 22.0 33.0

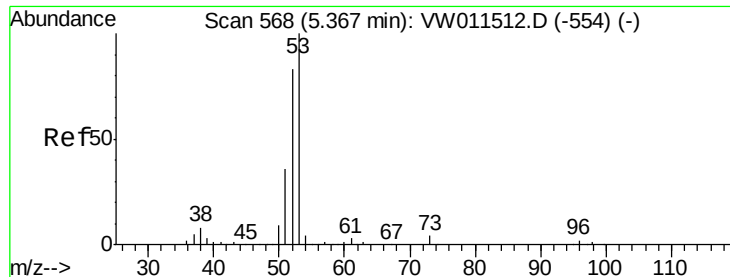


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 267.012 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

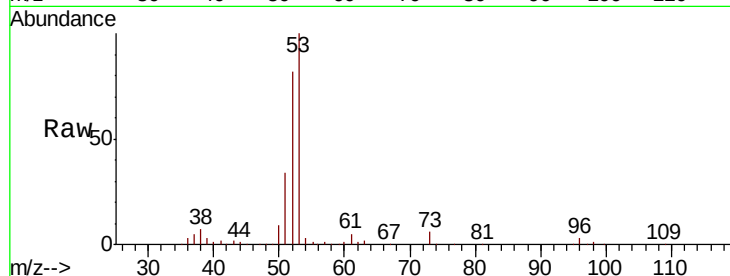
Tgt Ion: 53 Resp: 172022

Ion Ratio Lower Upper

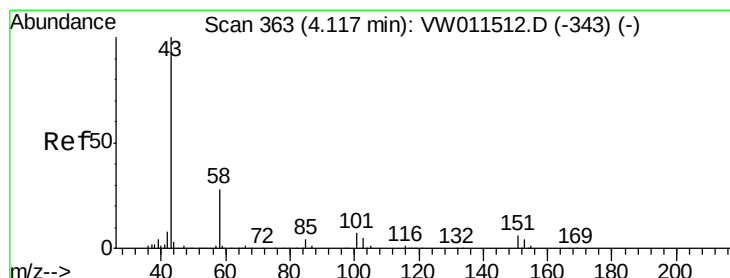
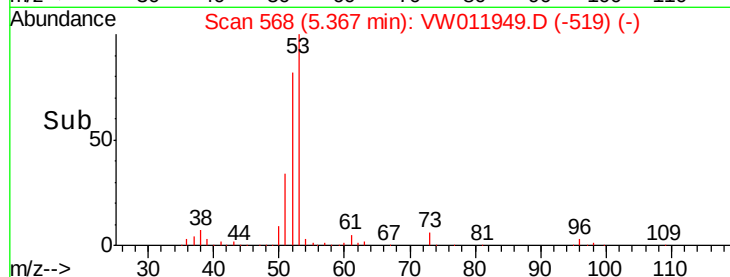
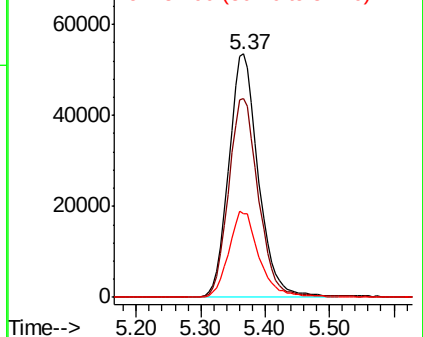
53 100

52 82.1 67.2 100.8

51 36.2 30.0 45.0



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



#16

Acetone

Concen: 181.510 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011949.D

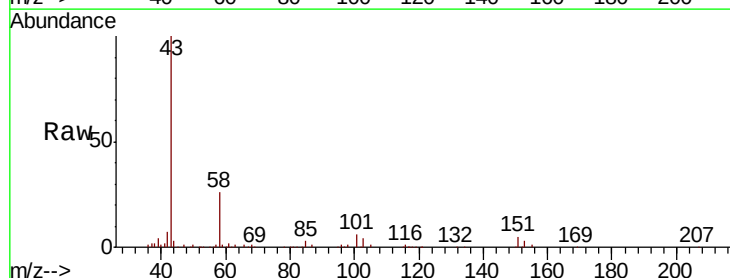
Acq: 16 Aug 2019 01:11

Tgt Ion: 43 Resp: 145136

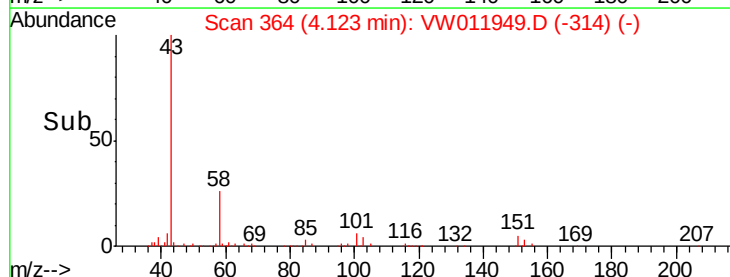
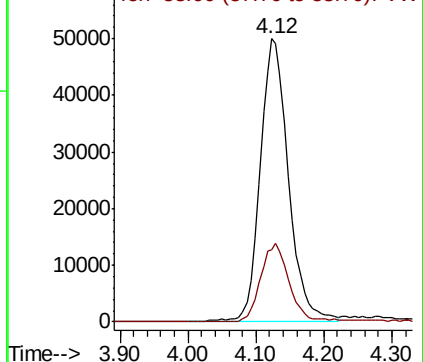
Ion Ratio Lower Upper

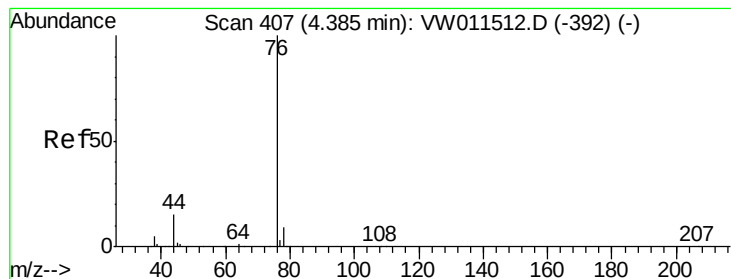
43 100

58 25.2 22.3 33.5



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





#17

Carbon Disulfide

Concen: 45.413 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

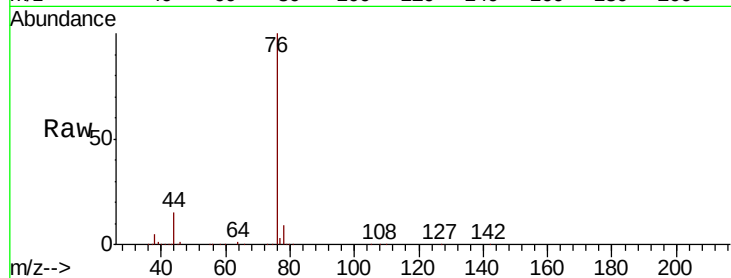
VSTDCCC050EC

Tgt Ion: 76 Resp: 324048

Ion Ratio Lower Upper

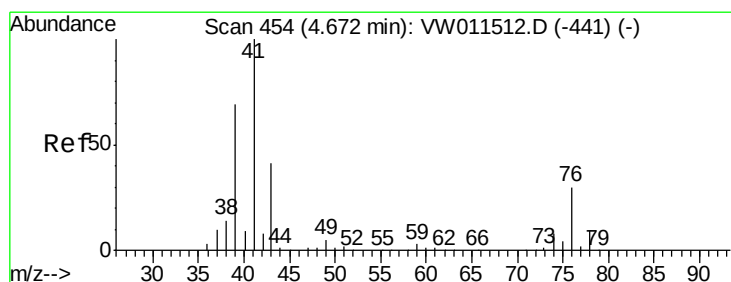
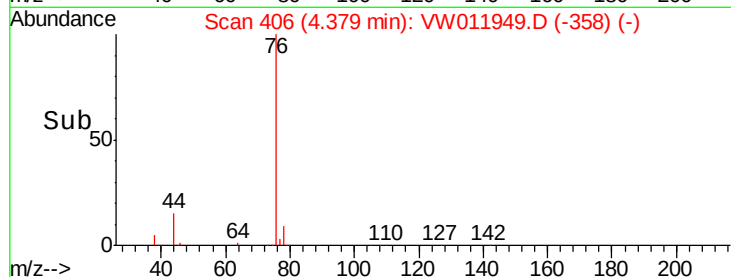
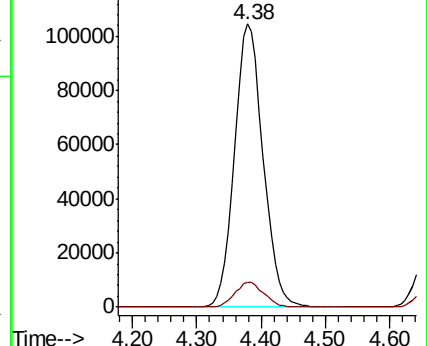
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 53.298 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW011949.D

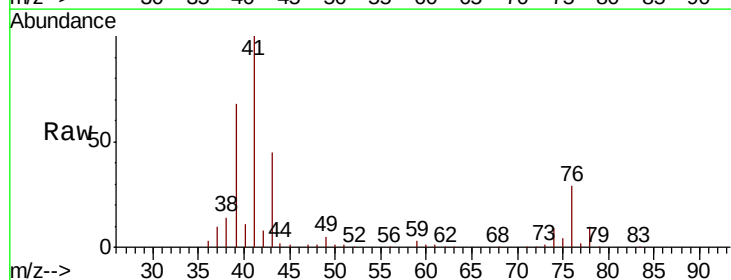
Acq: 16 Aug 2019 01:11

Tgt Ion: 43 Resp: 95739

Ion Ratio Lower Upper

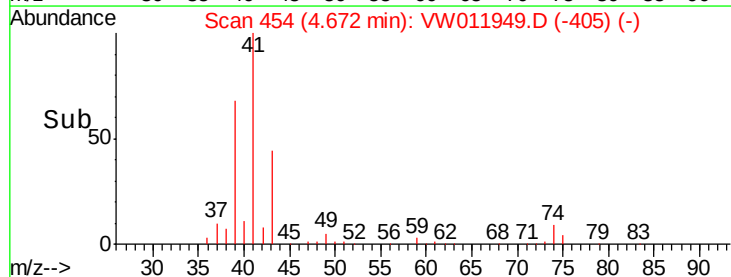
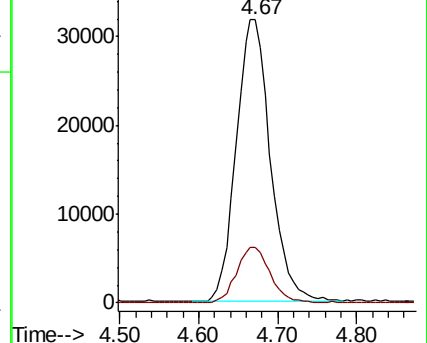
43 100

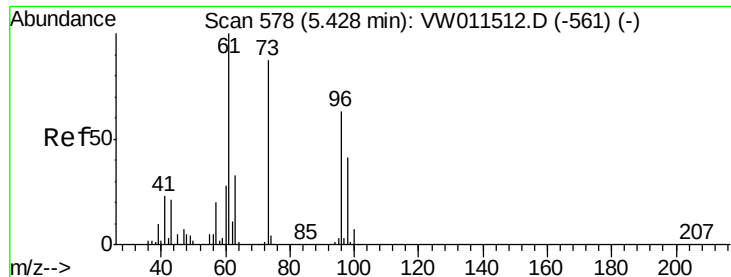
74 19.5 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

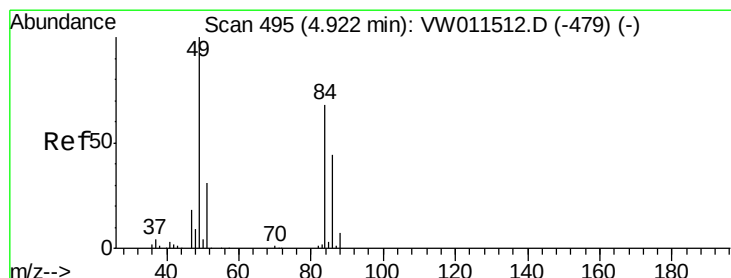
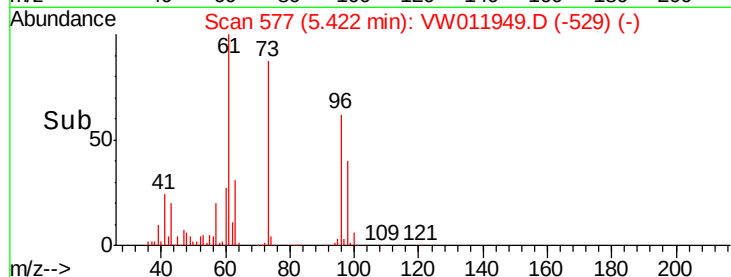
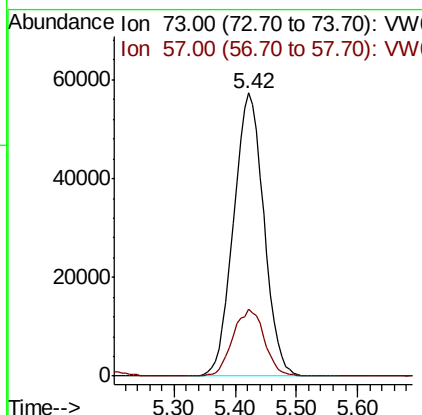
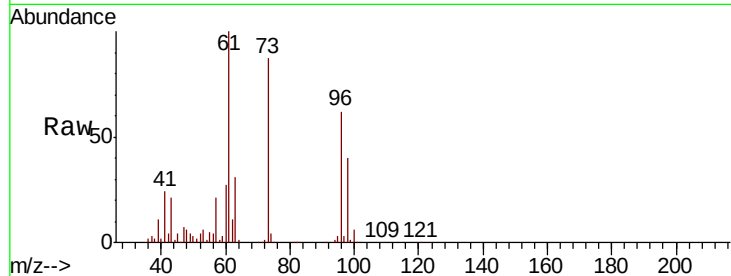




#19
Methyl tert-butyl Ether
Concen: 54.093 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

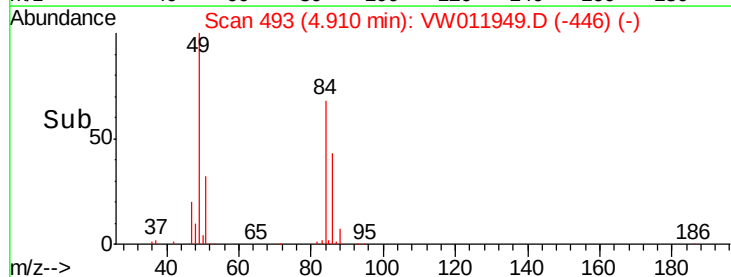
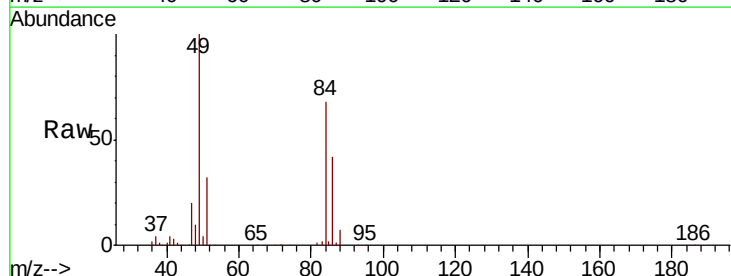
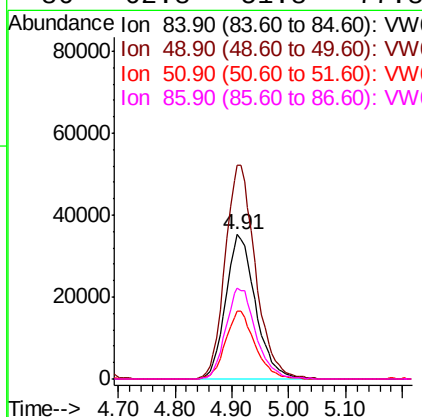
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

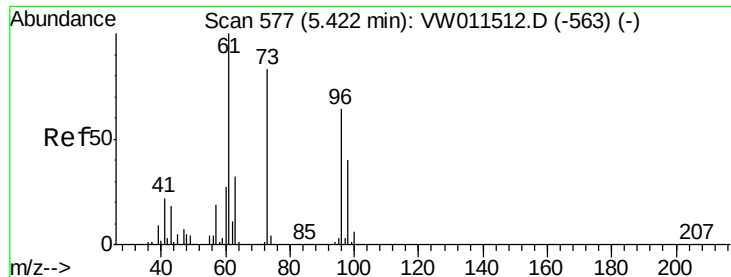
Tgt Ion: 73 Resp: 195700
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6



#20
Methylene Chloride
Concen: 46.569 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion: 84 Resp: 128422
Ion Ratio Lower Upper
84 100
49 148.0 117.8 176.6
51 47.1 37.0 55.4
86 62.8 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 50.236 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

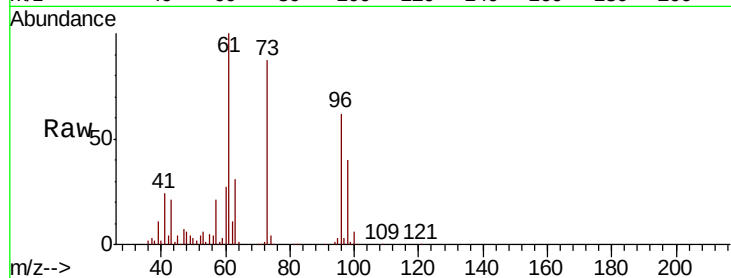
Tgt Ion: 96 Resp: 123478

Ion Ratio Lower Upper

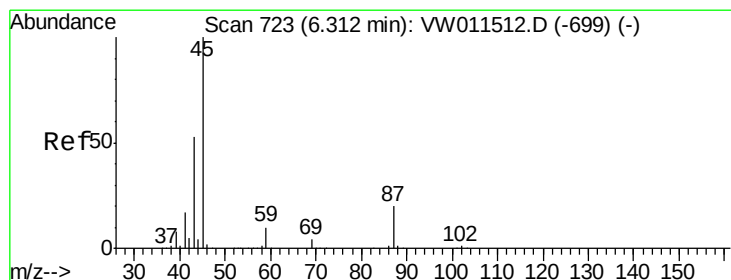
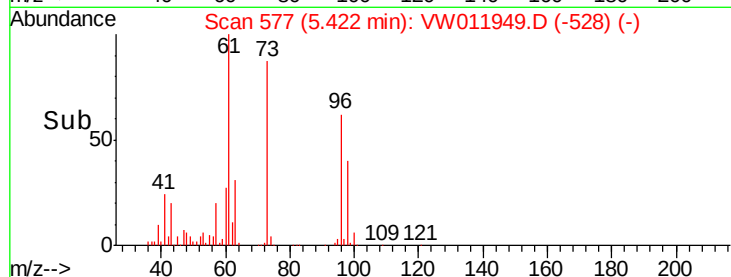
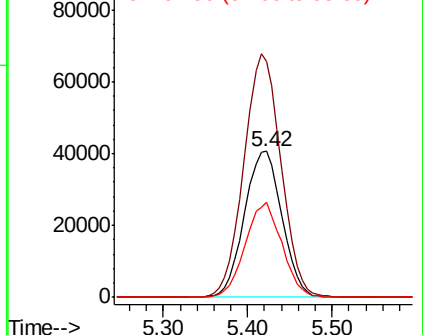
96 100

61 161.2 125.7 188.5

98 65.0 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.646 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion: 45 Resp: 481305

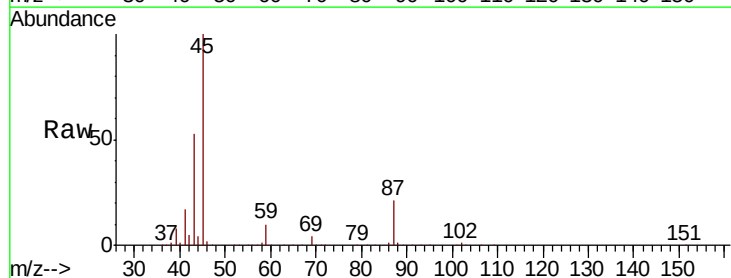
Ion Ratio Lower Upper

45 100

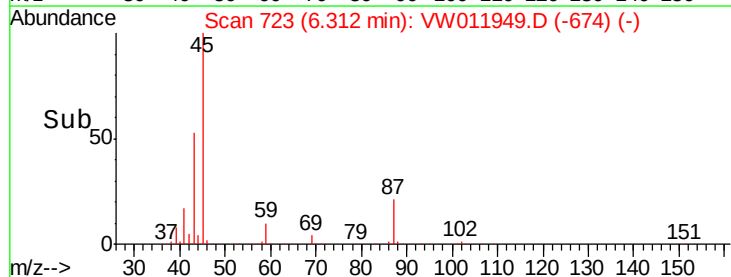
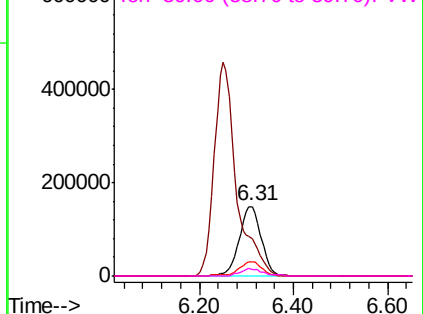
43 52.7 42.6 63.8

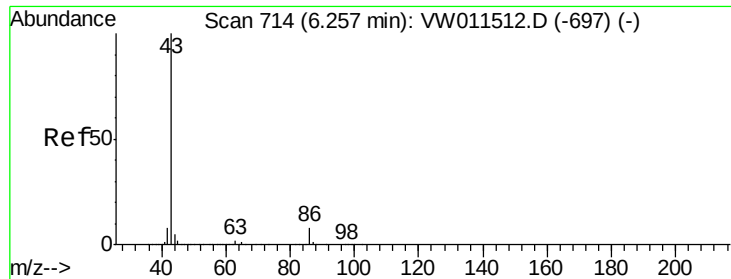
87 20.8 16.4 24.6

59 10.2 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 260.733 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

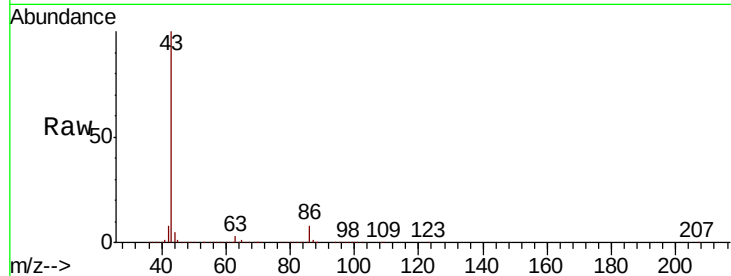
VSTDCCC050EC

Tgt Ion: 43 Resp: 1497799

Ion Ratio Lower Upper

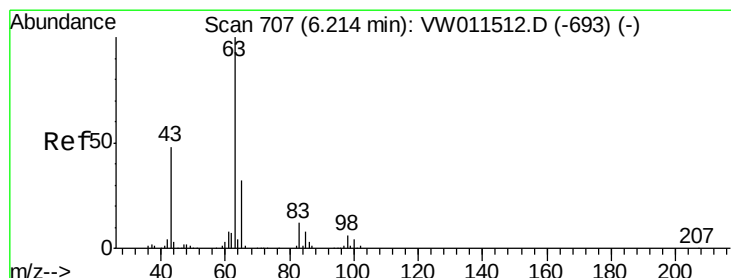
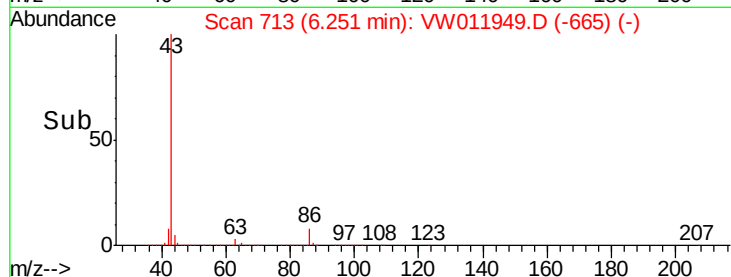
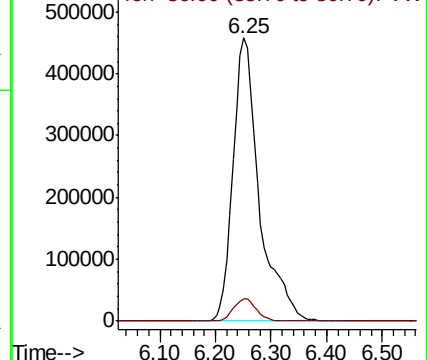
43 100

86 8.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.144 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

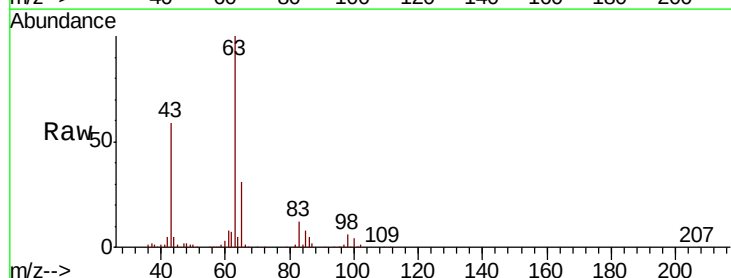
Tgt Ion: 63 Resp: 255310

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

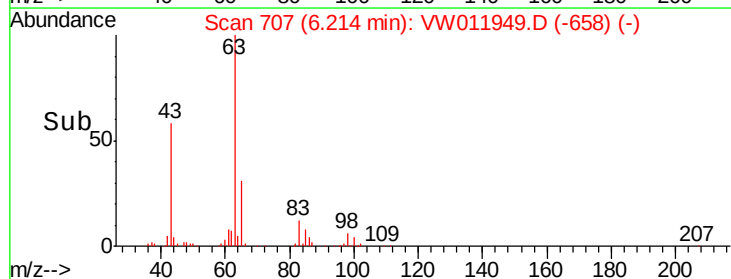
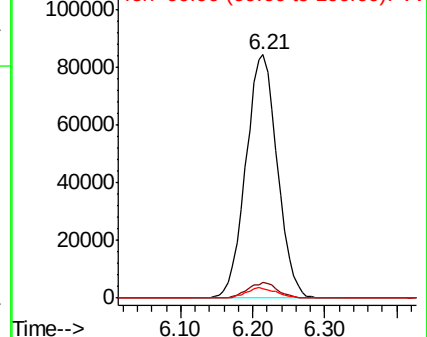
100 3.7 2.1 6.3

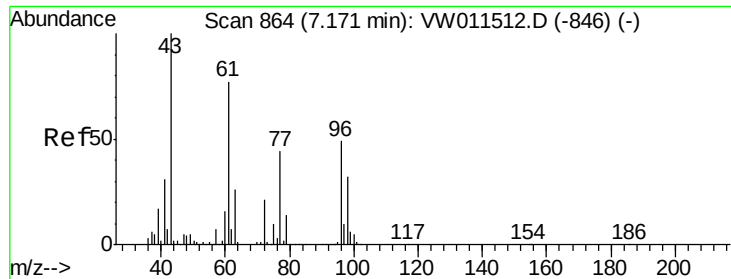


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 228.258 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

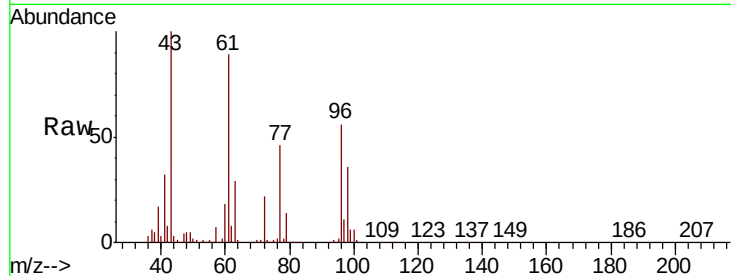
VSTDCCC050EC

Tgt Ion: 43 Resp: 238828

Ion Ratio Lower Upper

43 100

72 21.6 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

100000

80000

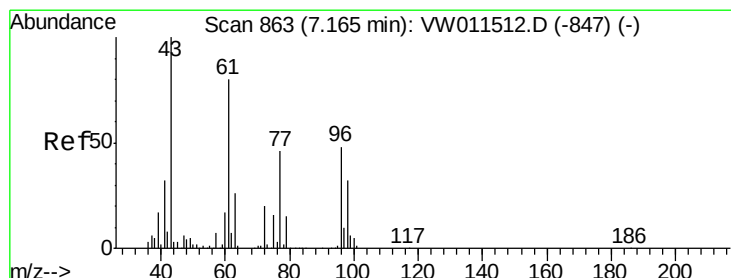
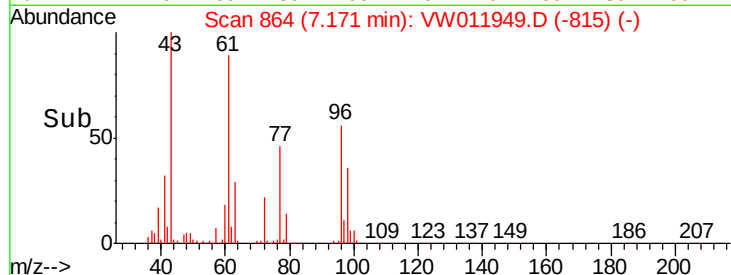
60000

40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 42.168 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011949.D

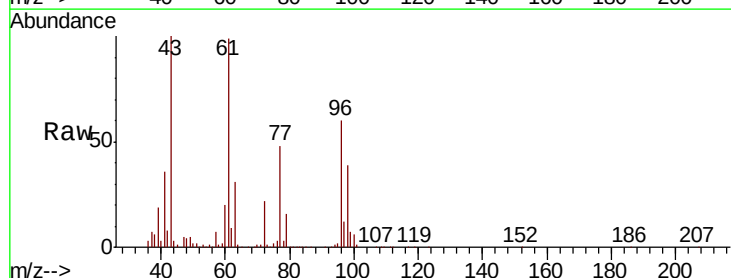
Acq: 16 Aug 2019 01:11

Tgt Ion: 77 Resp: 126976

Ion Ratio Lower Upper

77 100

97 23.1 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

50000

40000

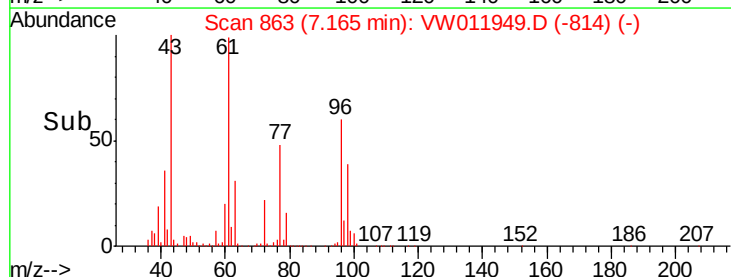
30000

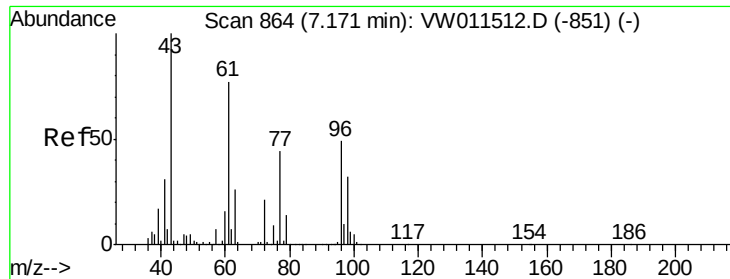
20000

10000

0

Time--> 7.00 7.10 7.20 7.30



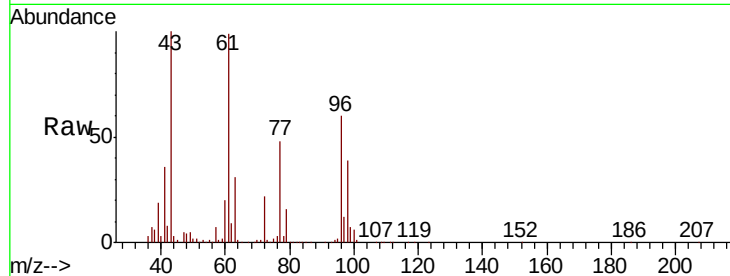


#27

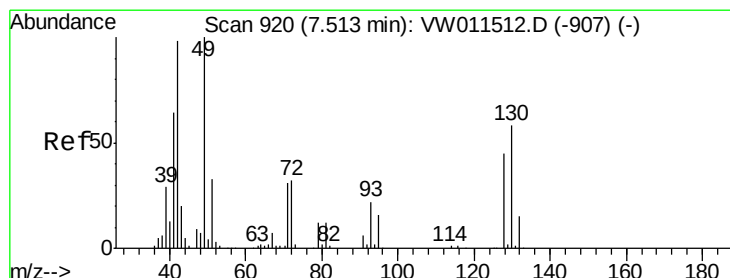
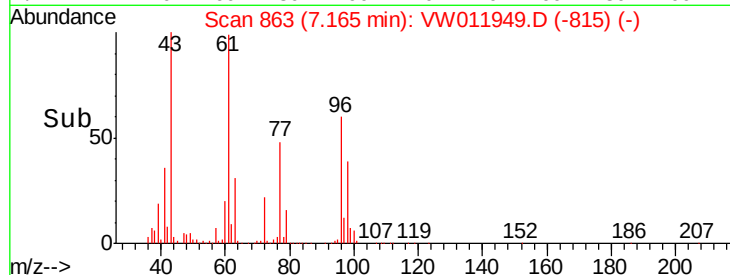
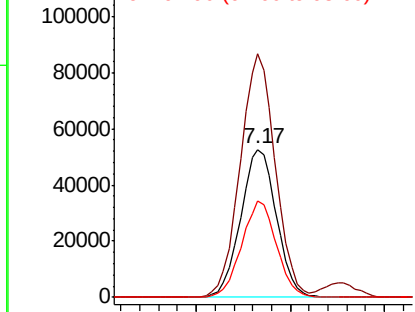
cis-1,2-Dichloroethene
 Concen: 51.347 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 138904
 Ion Ratio Lower Upper
 96 100
 61 162.6 0.0 328.4
 98 63.7 0.0 128.8



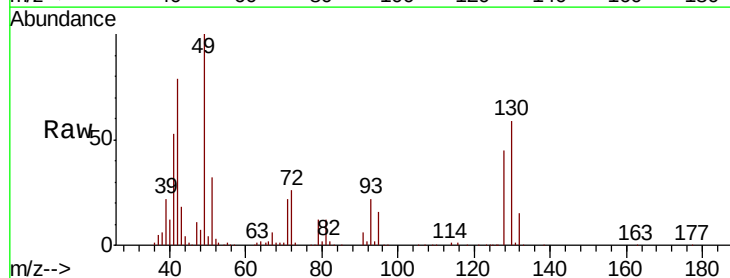
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



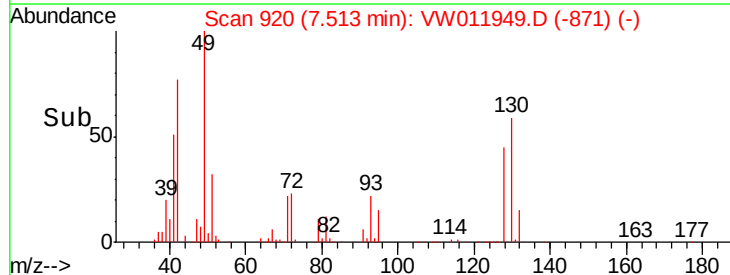
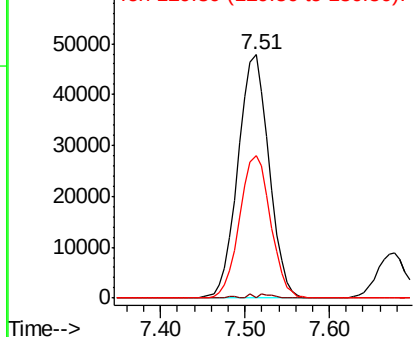
#28

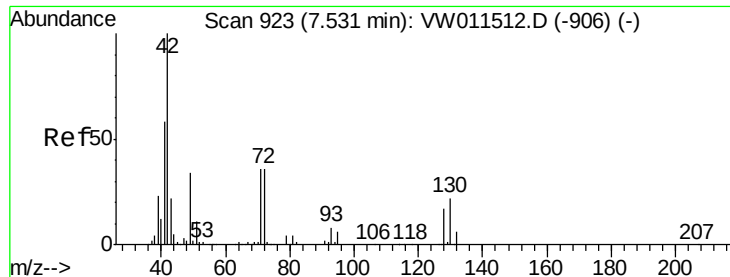
Bromochloromethane
 Concen: 54.647 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 49 Resp: 118764
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 1.0
 130 58.7 46.3 69.5



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 265.359 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

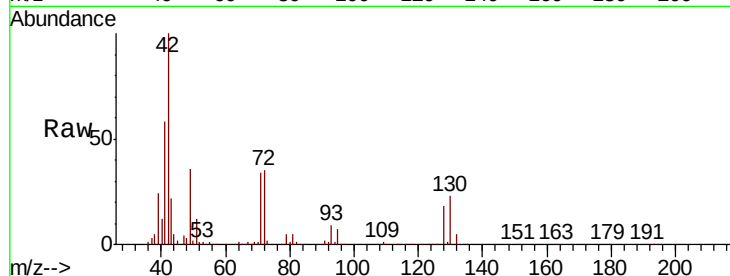
Tgt Ion: 42 Resp: 158705

Ion Ratio Lower Upper

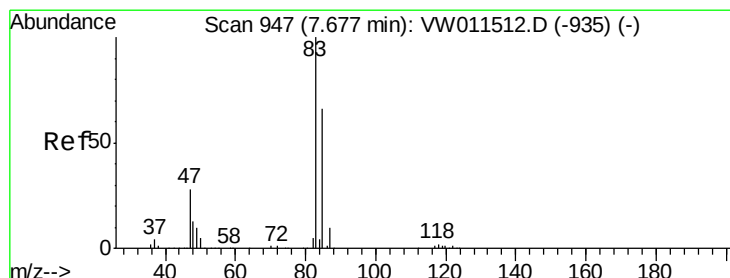
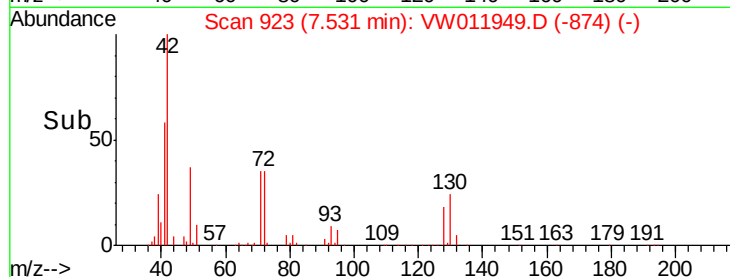
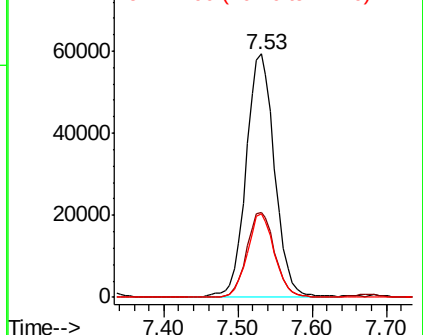
42 100

72 34.5 27.1 40.7

71 33.1 26.2 39.4



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



#30

Chloroform

Concen: 51.969 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW011949.D

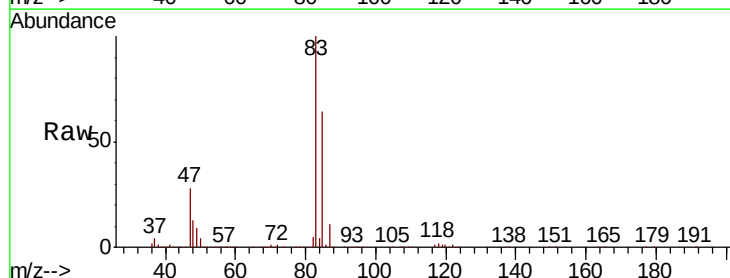
Acq: 16 Aug 2019 01:11

Tgt Ion: 83 Resp: 234753

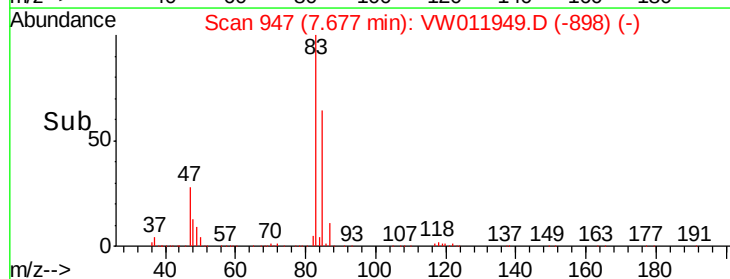
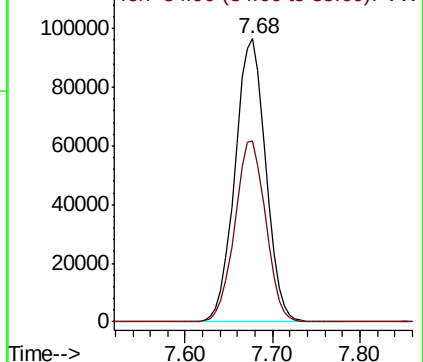
Ion Ratio Lower Upper

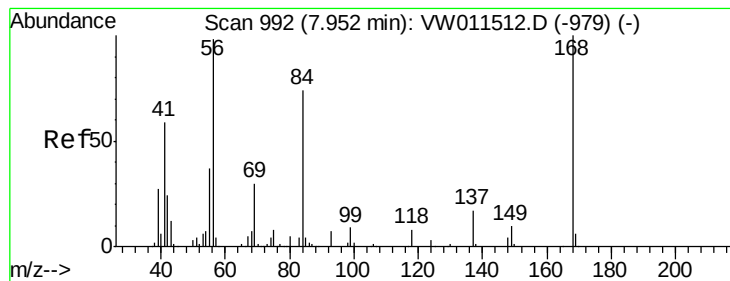
83 100

85 64.0 52.5 78.7



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





#31

Cyclohexane

Concen: 47.424 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

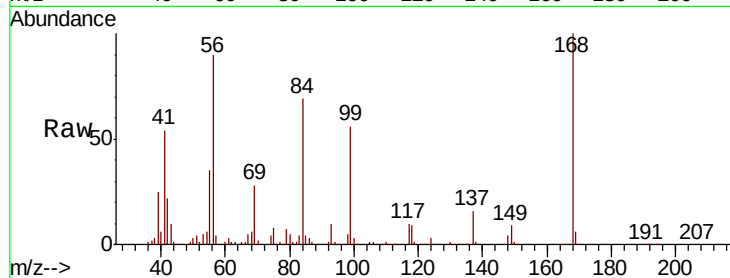
Tgt Ion: 56 Resp: 222895

Ion Ratio Lower Upper

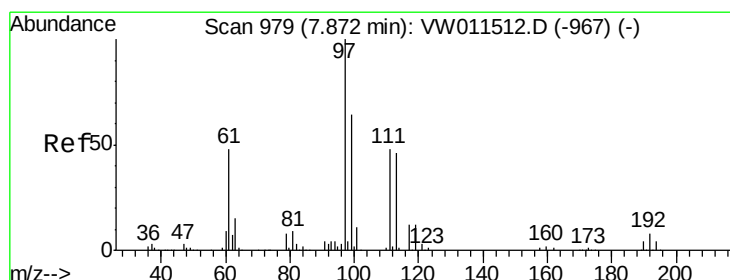
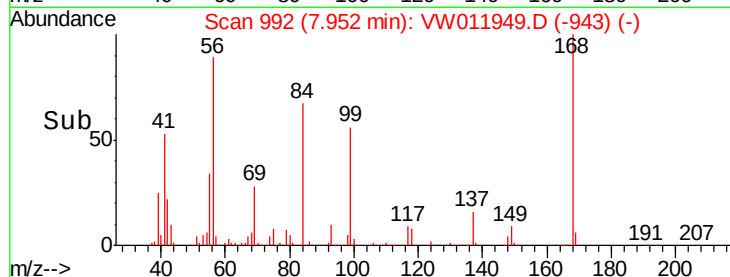
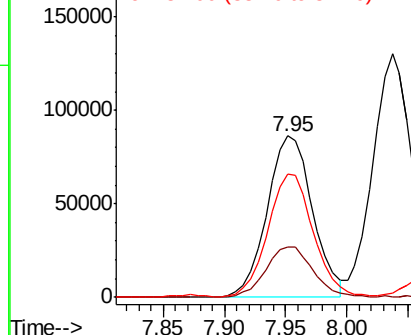
56 100

69 30.7 24.3 36.5

84 75.1 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 52.491 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

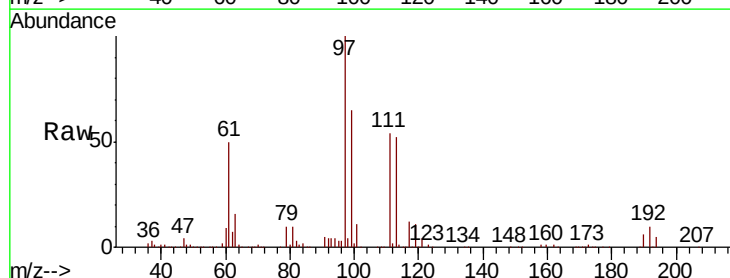
Tgt Ion: 97 Resp: 180577

Ion Ratio Lower Upper

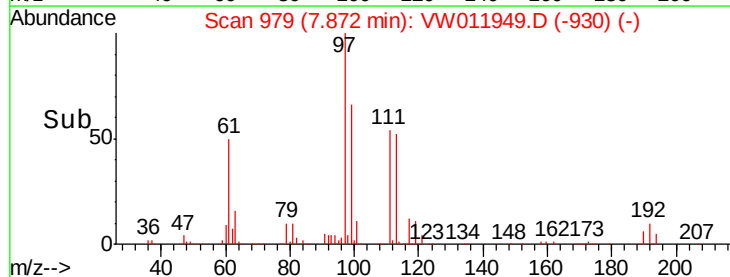
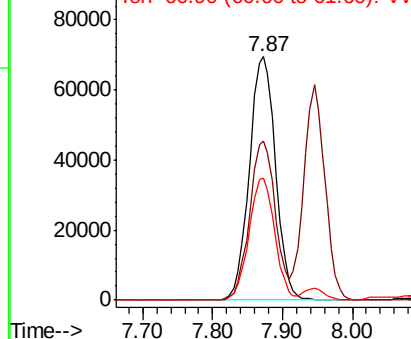
97 100

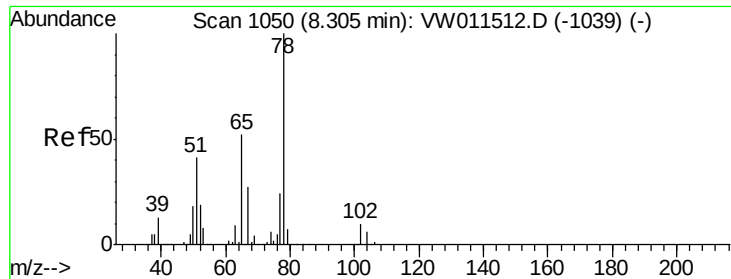
99 64.5 51.0 76.6

61 49.1 39.8 59.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

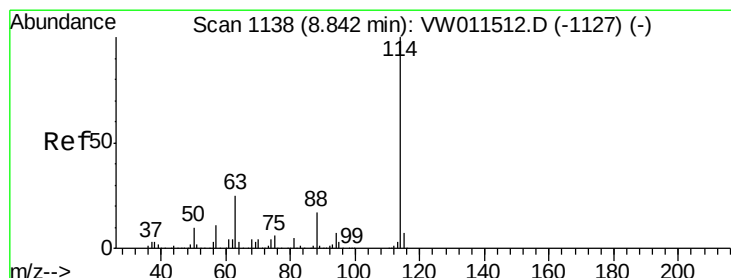
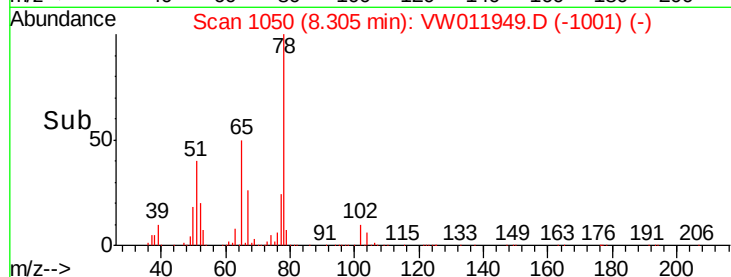
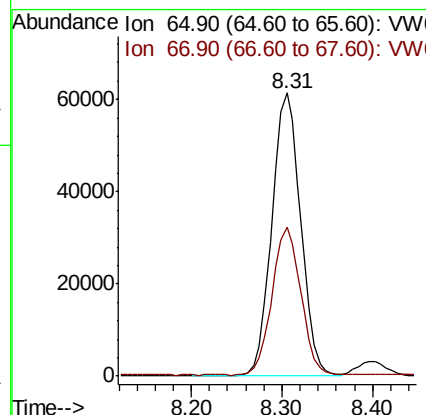
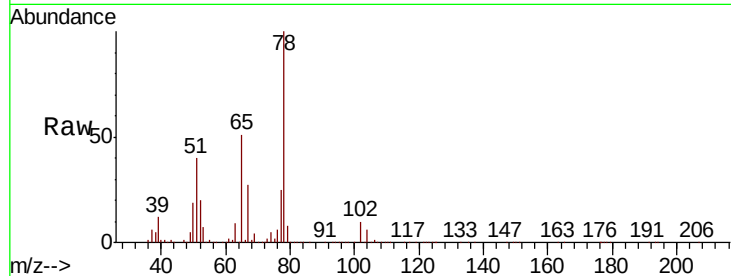




#33
 1,2-Dichloroethane-d4
 Concen: 53.850 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

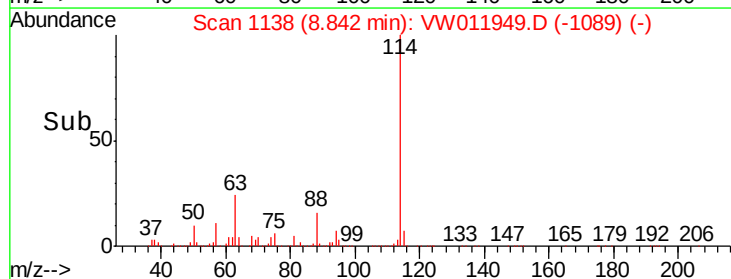
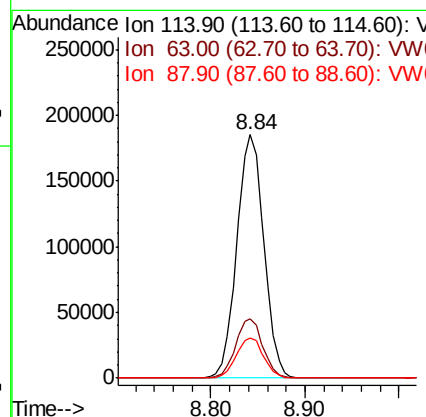
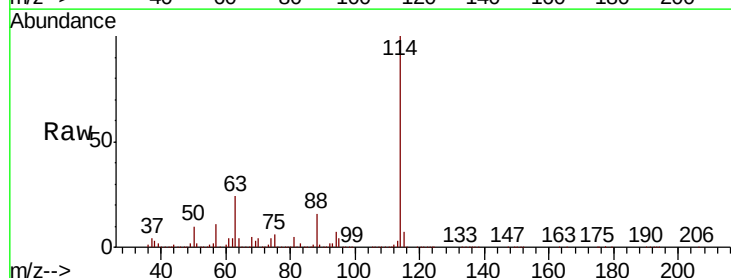
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

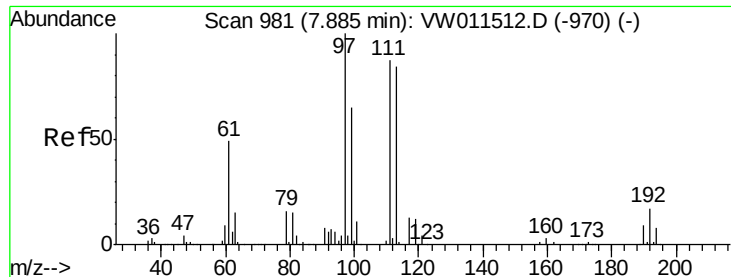
Tgt Ion: 65 Resp: 135363
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 114 Resp: 367336
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.5 0.0 33.8

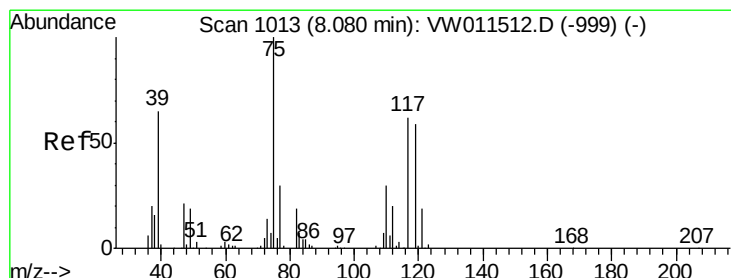
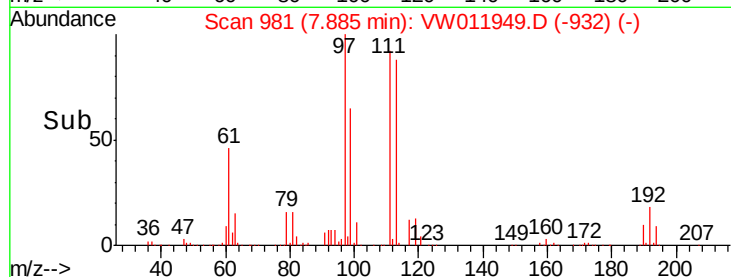
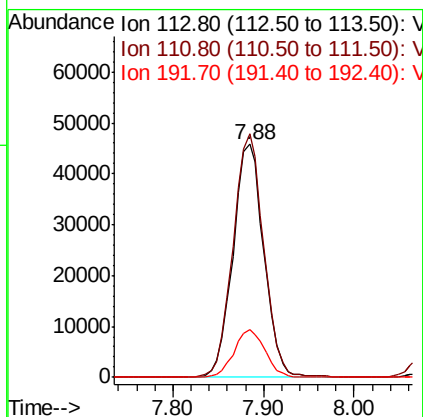
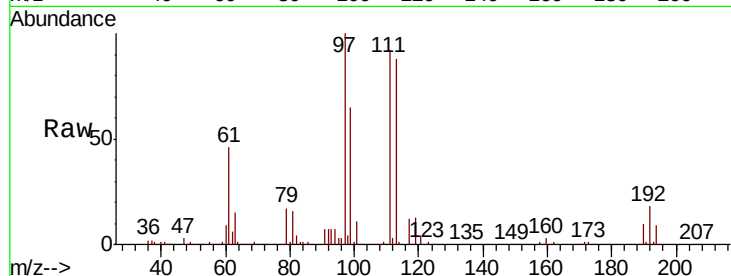




#35
 Dibromofluoromethane
 Concen: 52.562 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

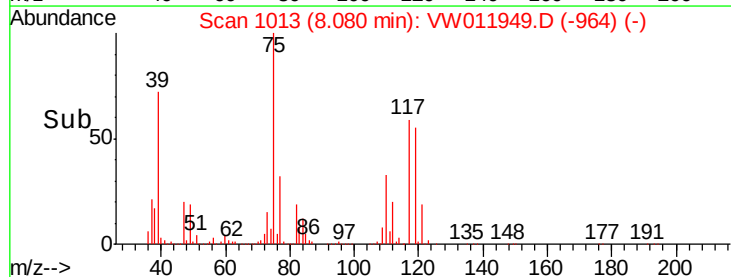
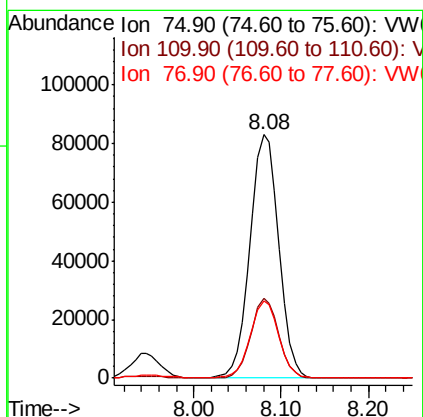
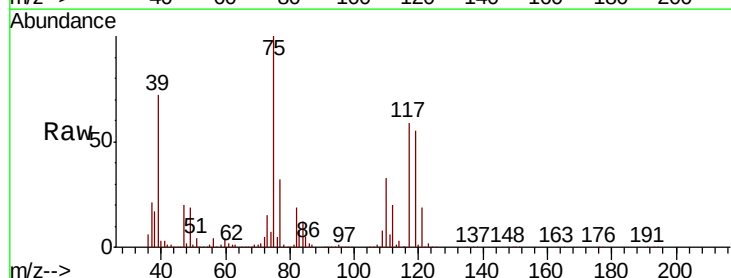
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

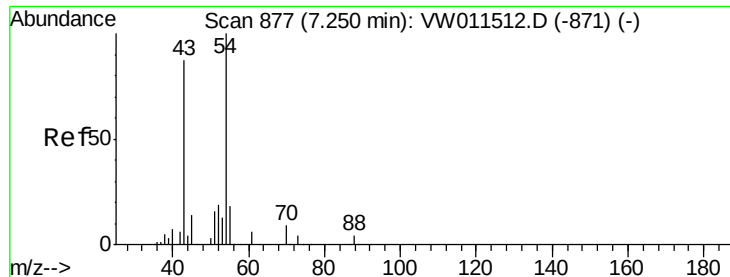
Tgt Ion:113 Resp: 108321
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 49.778 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 75 Resp: 190132
 Ion Ratio Lower Upper
 75 100
 110 31.5 15.6 46.8
 77 31.1 24.3 36.5

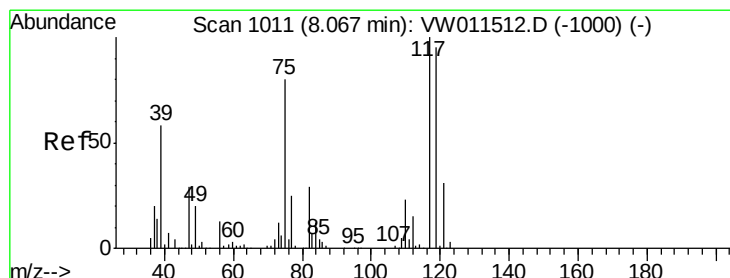
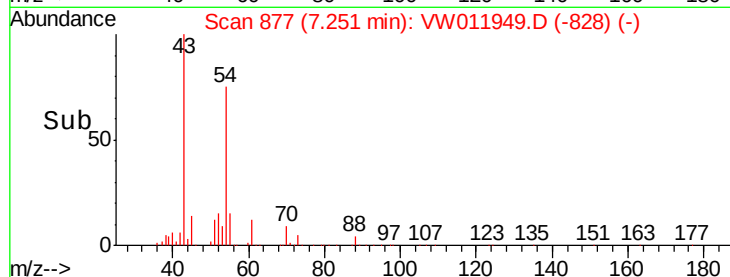
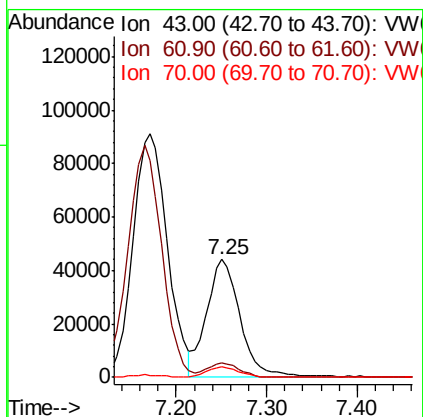
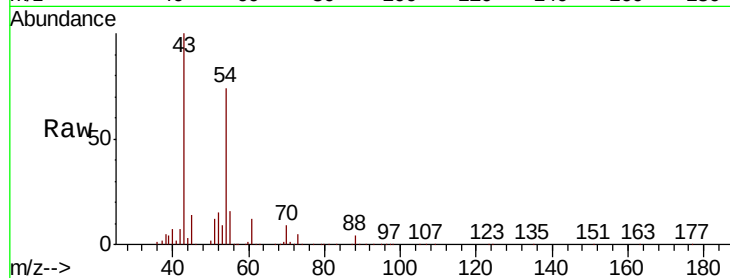




#37
Ethyl Acetate
Concen: 51.162 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

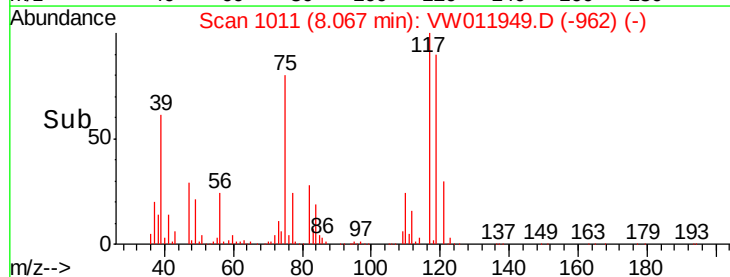
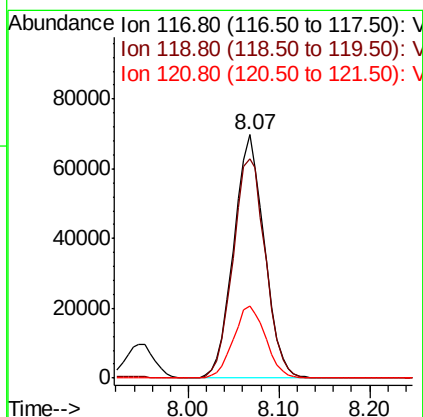
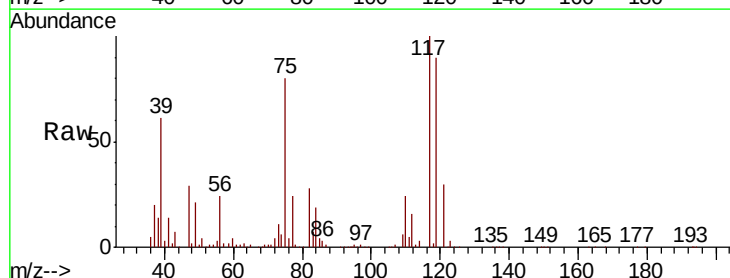
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

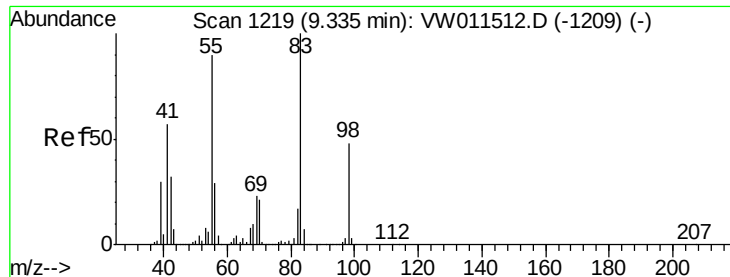
Tgt Ion: 43 Resp: 112430
Ion Ratio Lower Upper
43 100
61 12.0 8.8 13.2
70 9.1 7.1 10.7



#38
Carbon Tetrachloride
Concen: 50.254 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion: 117 Resp: 164324
Ion Ratio Lower Upper
117 100
119 90.3 75.8 113.6
121 29.7 24.7 37.1

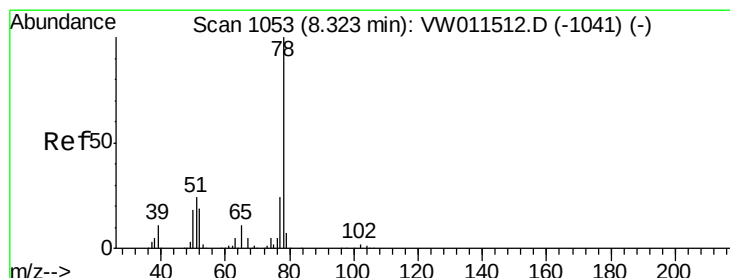
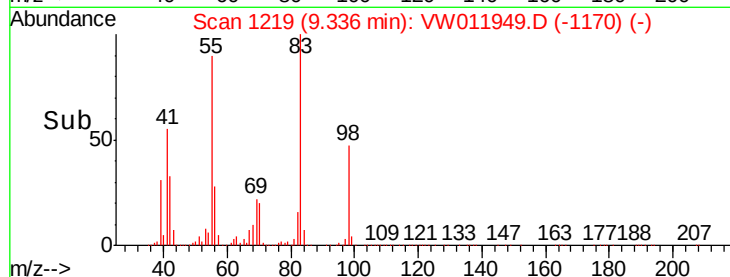
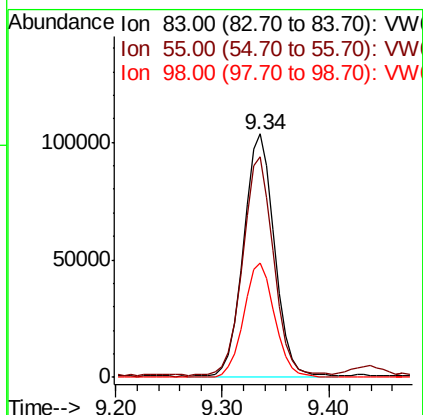
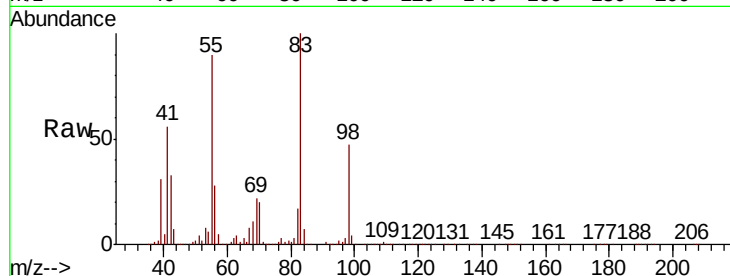




#39
Methylcyclohexane
Concen: 49.993 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

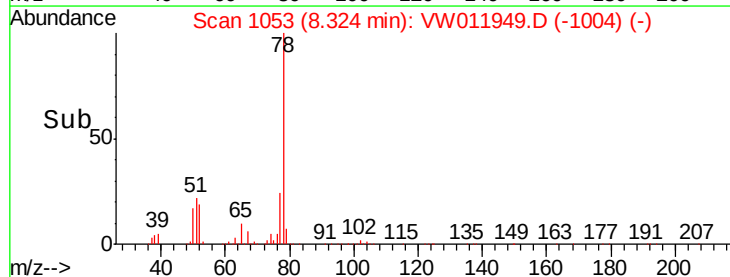
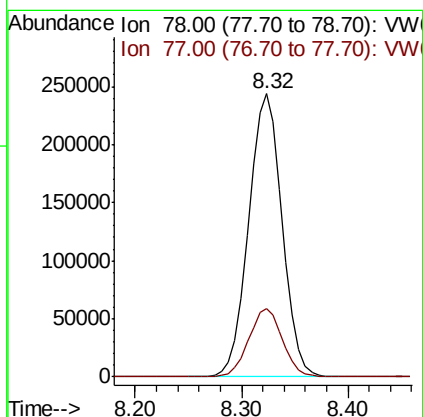
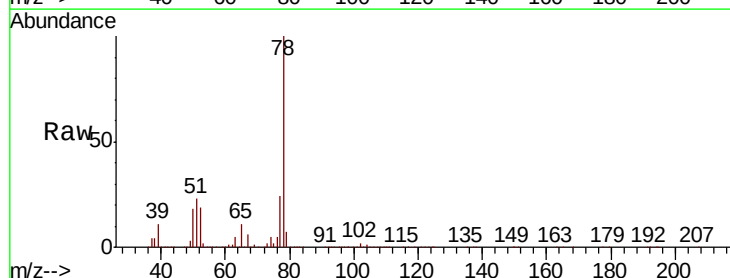
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

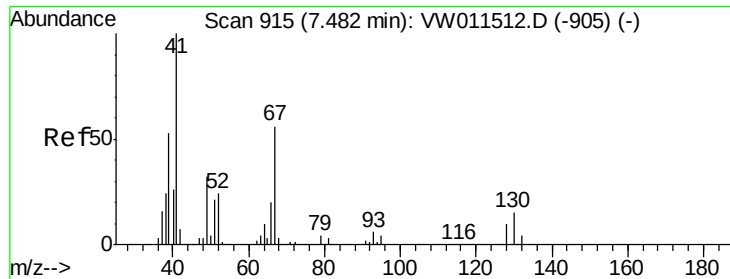
Tgt Ion: 83 Resp: 210265
Ion Ratio Lower Upper
83 100
55 89.8 72.1 108.1
98 46.8 38.6 57.8



#40
Benzene
Concen: 50.109 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion: 78 Resp: 536119
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

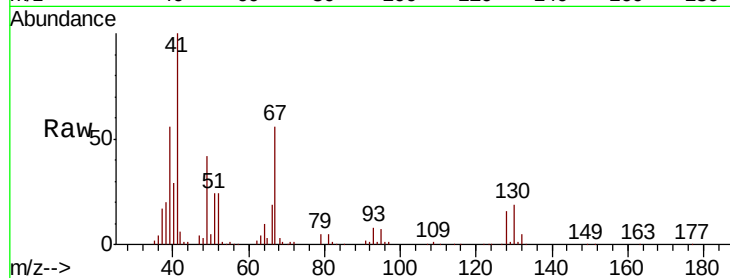




#41
Methacrylonitrile
Concen: 50.435 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	66253
Ion	Ratio	Lower	Upper
41	100		
39	59.5	43.0	64.4
67	58.1	47.5	71.3
52	27.2	21.0	31.6



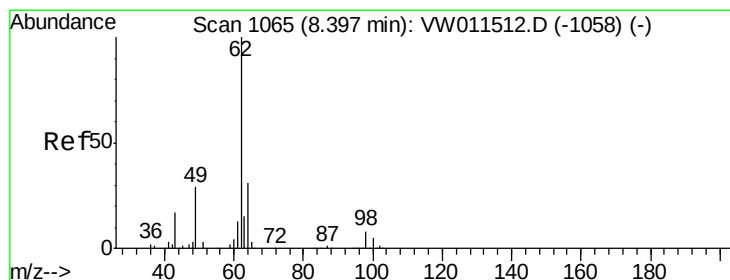
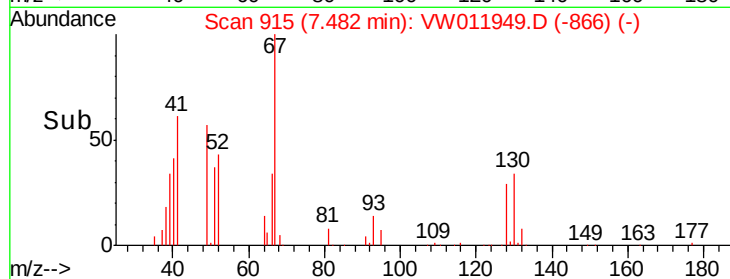
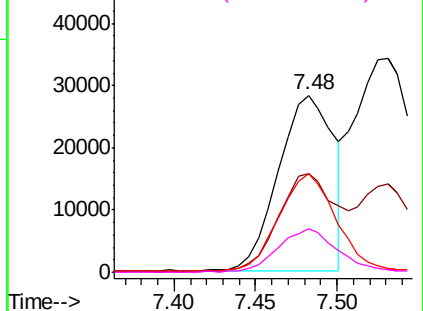
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

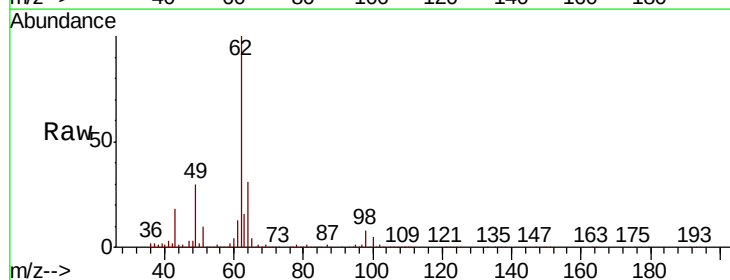
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 51.051 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

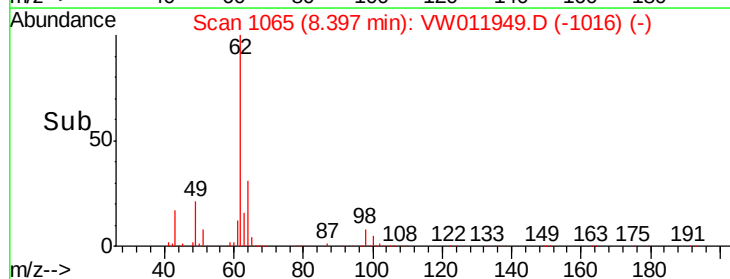
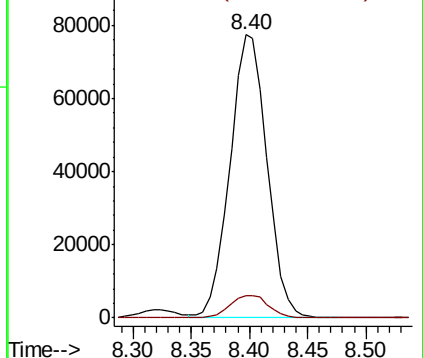
Tgt Ion:	62	Resp:	171006
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8

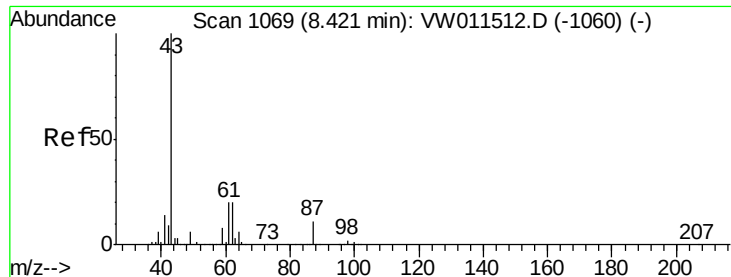


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.559 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

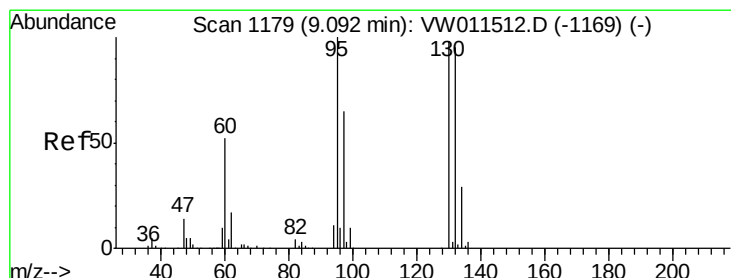
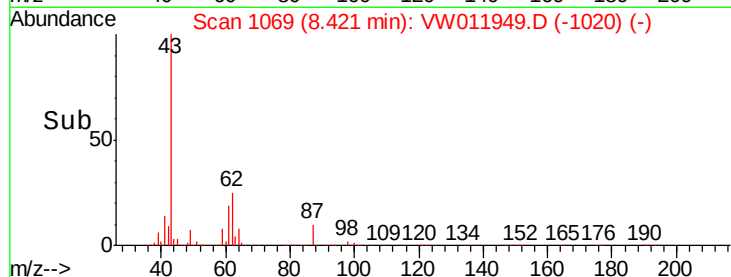
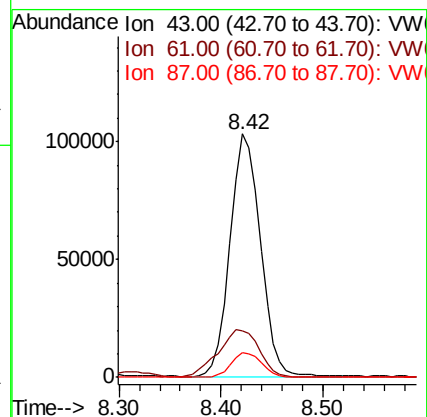
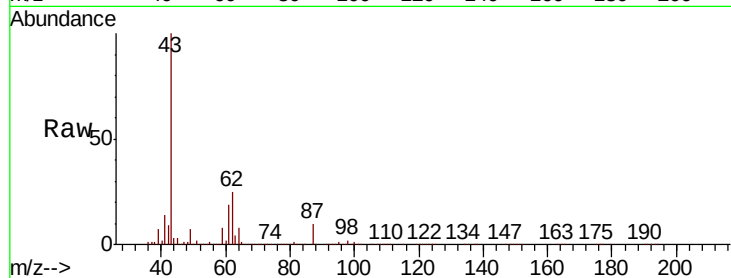
Tgt Ion: 43 Resp: 212415

Ion Ratio Lower Upper

43 100

61 26.4 21.5 32.3

87 10.3 8.4 12.6



#44

Trichloroethene

Concen: 50.629 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011949.D

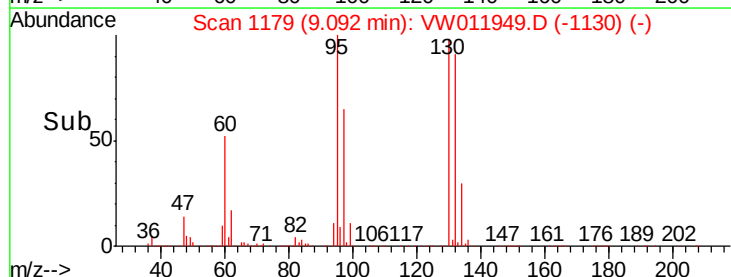
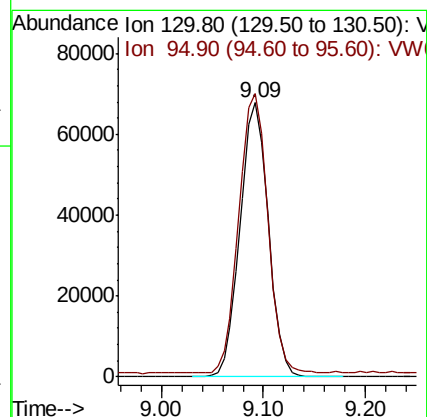
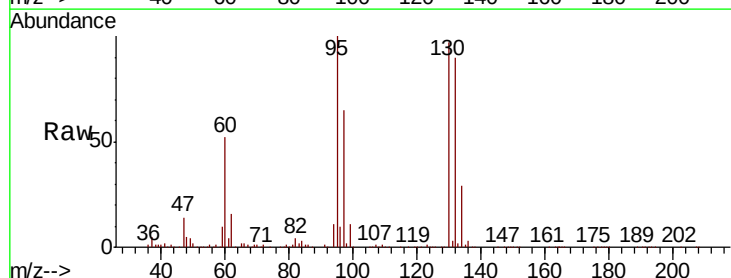
Acq: 16 Aug 2019 01:11

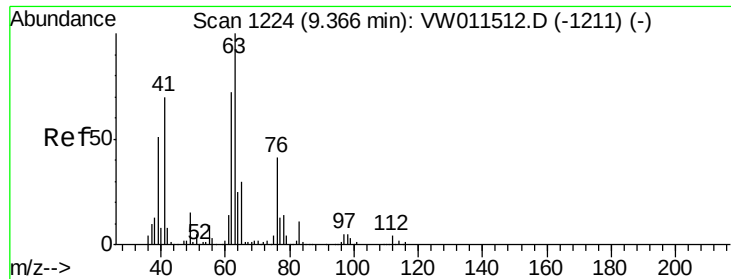
Tgt Ion: 130 Resp: 130191

Ion Ratio Lower Upper

130 100

95 101.6 0.0 204.8

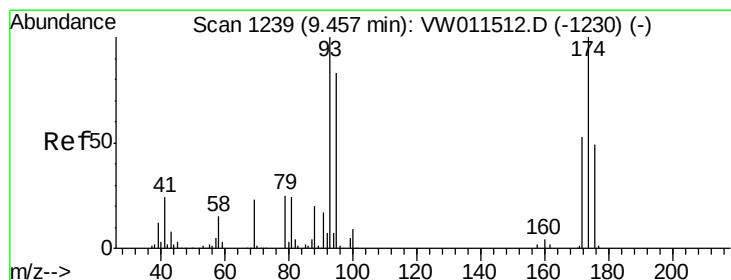
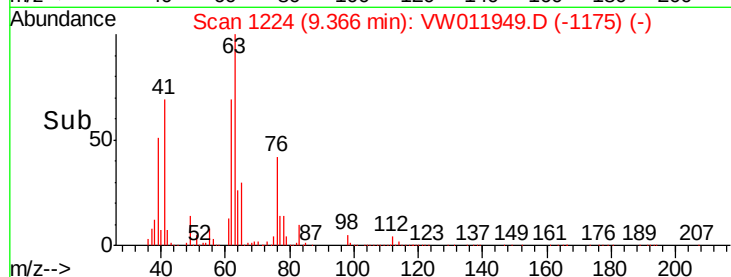
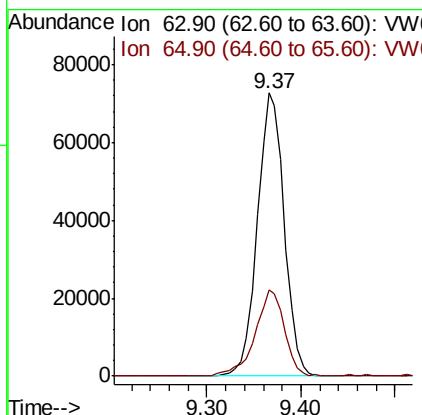
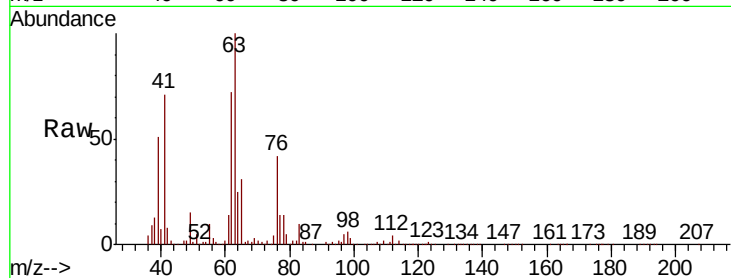




#45
 1,2-Dichloropropane
 Concen: 51.032 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

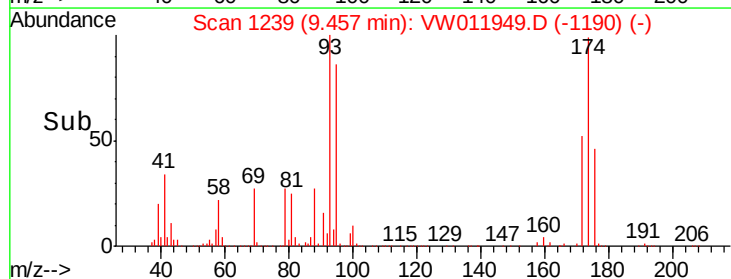
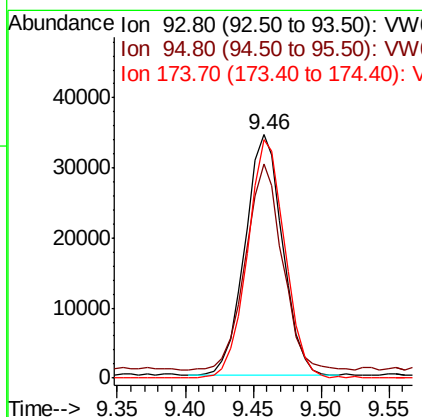
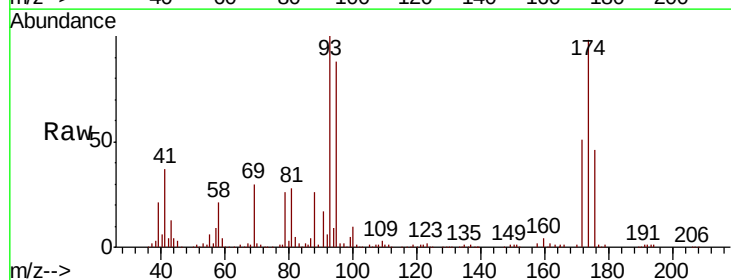
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

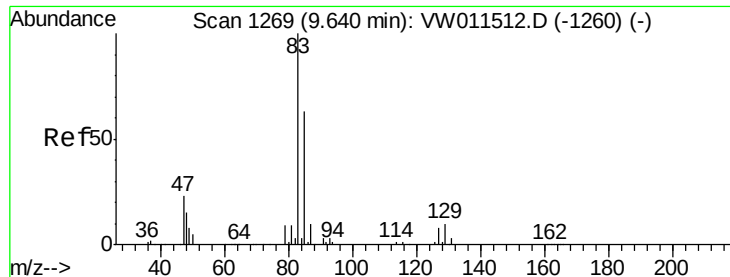
Tgt Ion: 63 Resp: 146089
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.2 36.4



#46
 Dibromomethane
 Concen: 50.964 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 93 Resp: 66589
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.2 99.2
 174 98.4 78.2 117.4

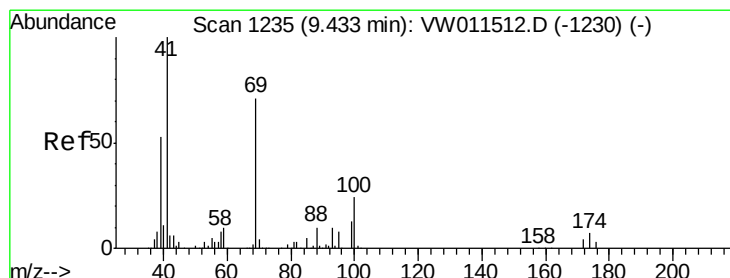
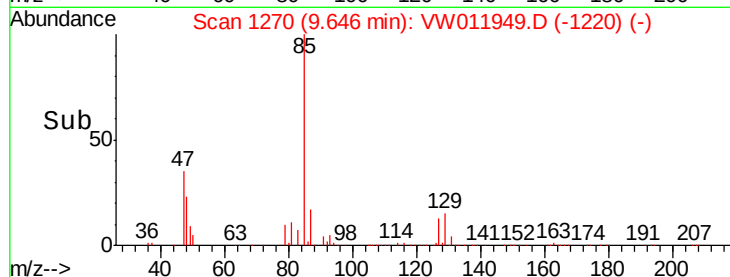
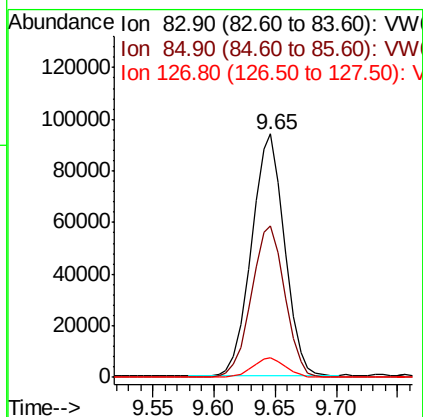
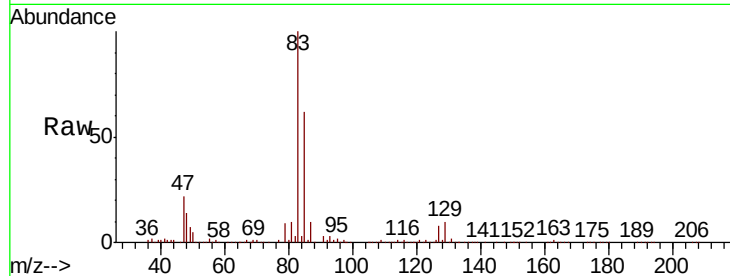




#47
 Bromodichloromethane
 Concen: 51.224 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

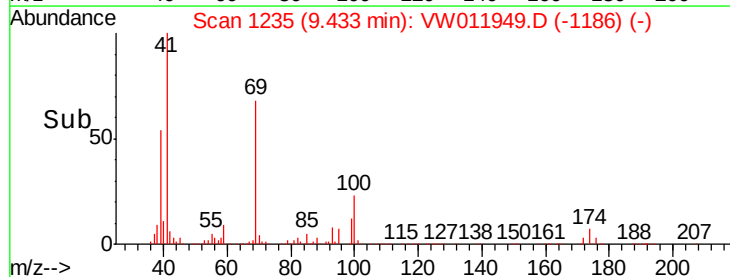
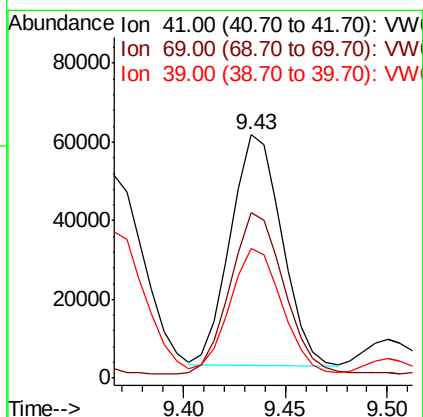
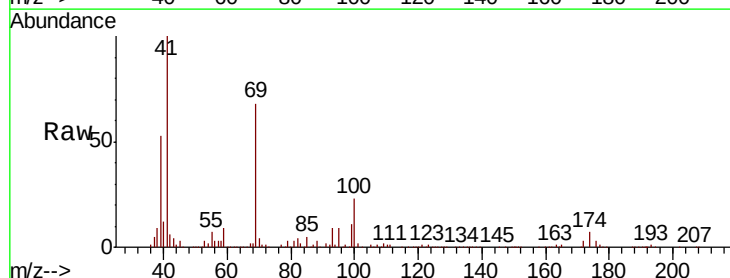
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

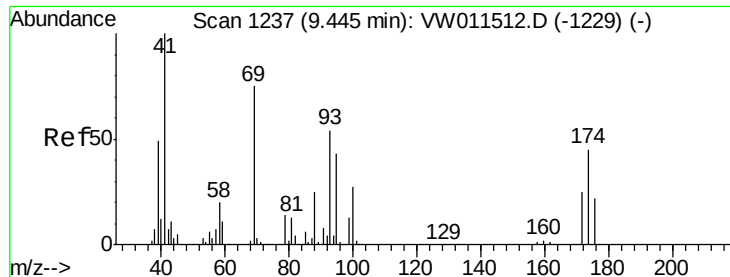
Tgt Ion: 83 Resp: 175564
 Ion Ratio Lower Upper
 83 100
 85 62.2 50.5 75.7
 127 8.2 6.4 9.6



#48
 Methyl methacrylate
 Concen: 53.031 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 41 Resp: 102952
 Ion Ratio Lower Upper
 41 100
 69 73.3 57.1 85.7
 39 58.0 45.4 68.2





#49

1,4-Dioxane

Concen: 1109.177 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

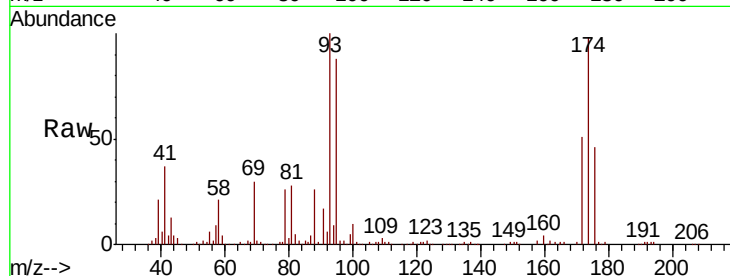
Tgt Ion: 88 Resp: 20984

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

58 85.9 69.7 104.5

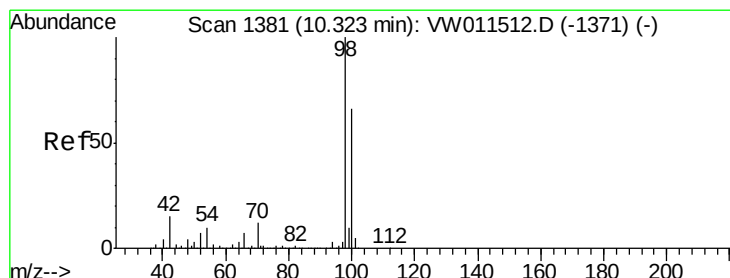
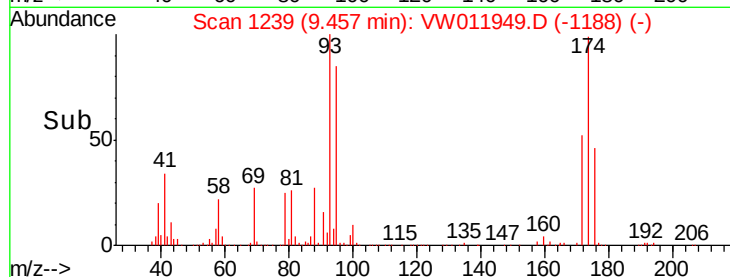
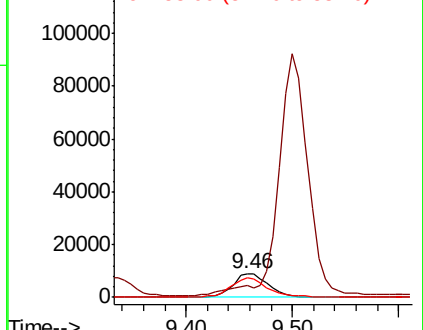


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.249 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011949.D

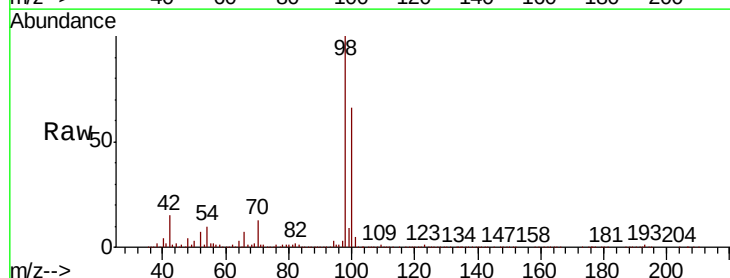
Acq: 16 Aug 2019 01:11

Tgt Ion: 98 Resp: 440855

Ion Ratio Lower Upper

98 100

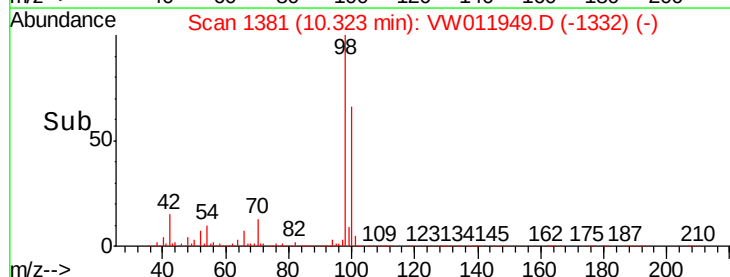
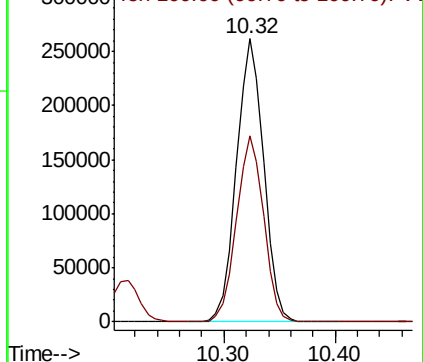
100 65.7 52.7 79.1

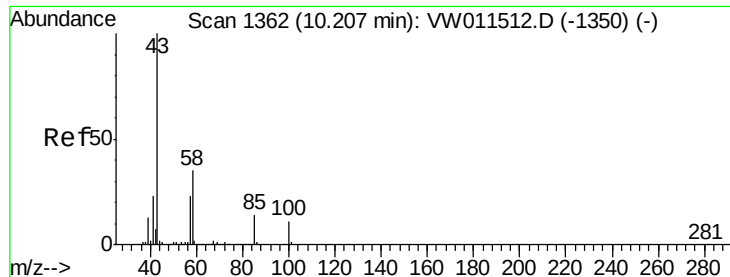


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

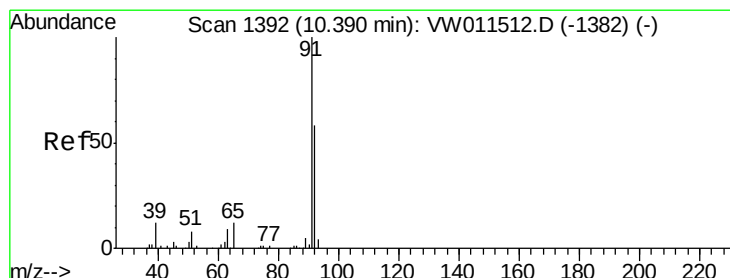
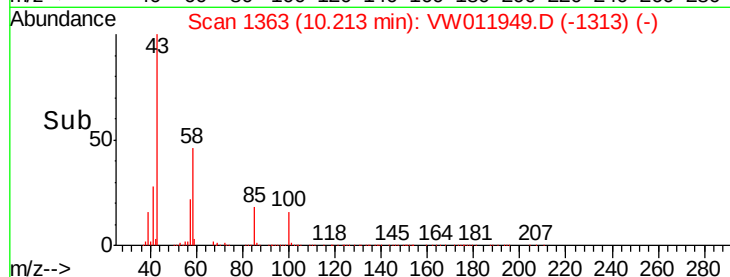
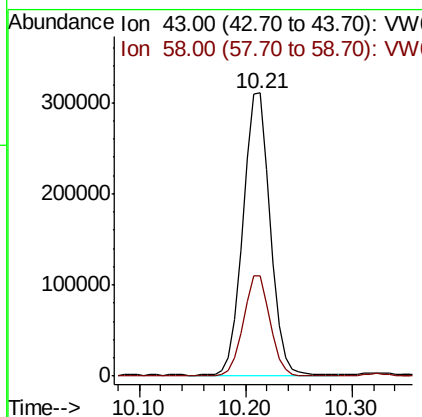
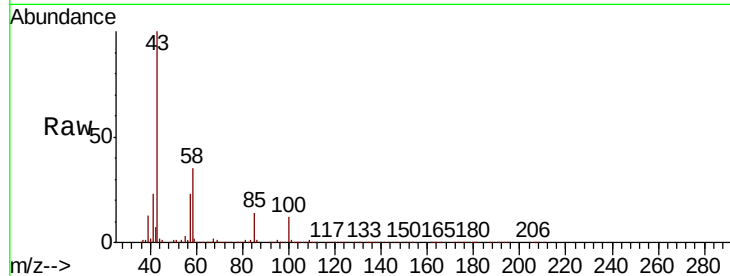




#51
 4-Methyl-2-Pentanone
 Concen: 264.225 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

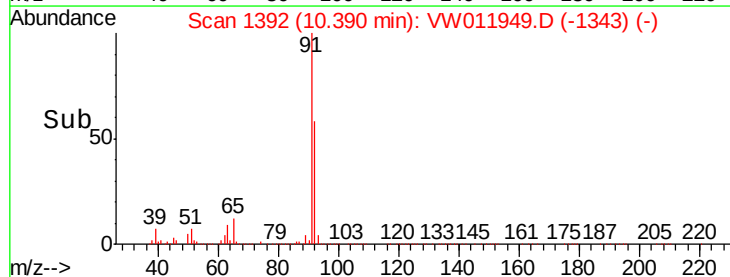
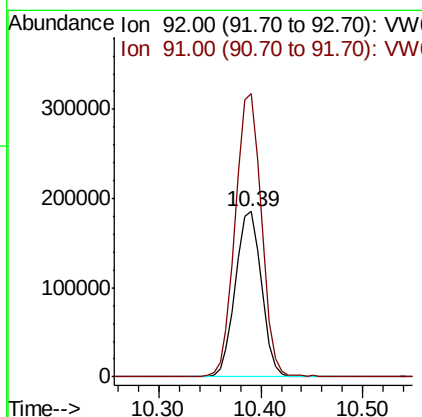
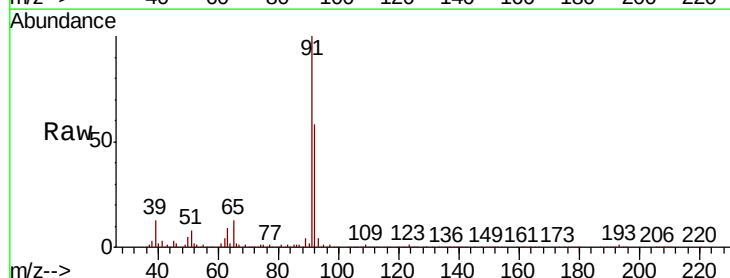
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

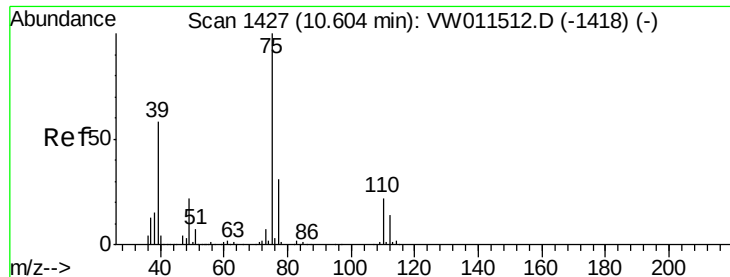
Tgt Ion: 43 Resp: 555439
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.2 42.2



#52
 Toluene
 Concen: 50.434 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 92 Resp: 325859
 Ion Ratio Lower Upper
 92 100
 91 171.2 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 50.276 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

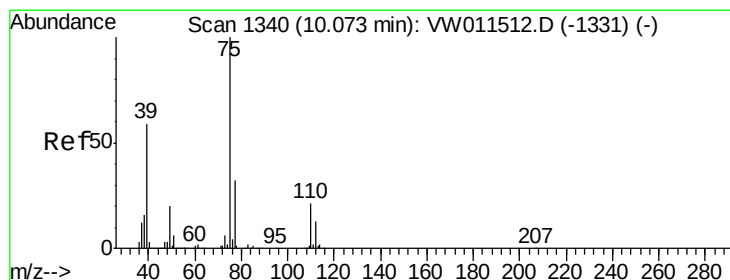
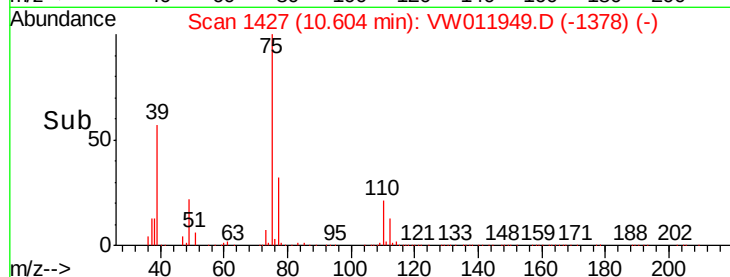
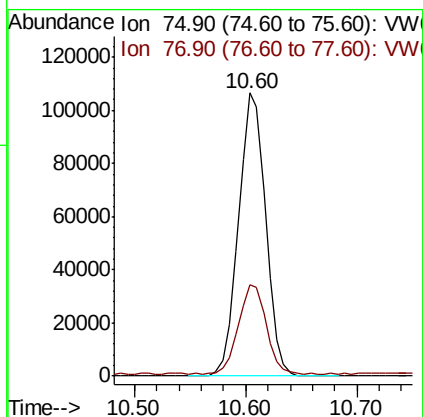
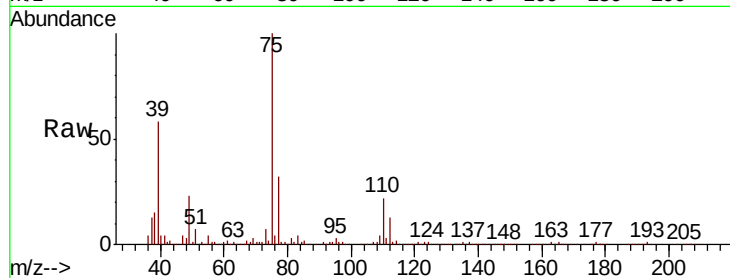
VSTDCCC050EC

Tgt Ion: 75 Resp: 180000

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 50.262 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

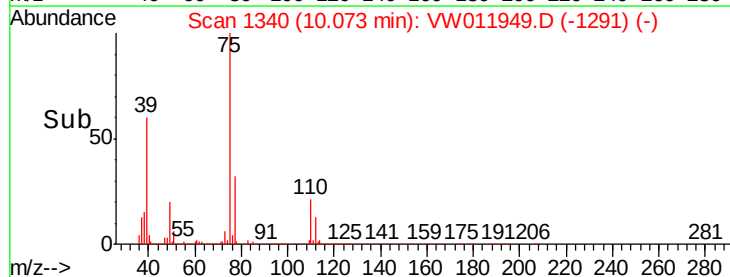
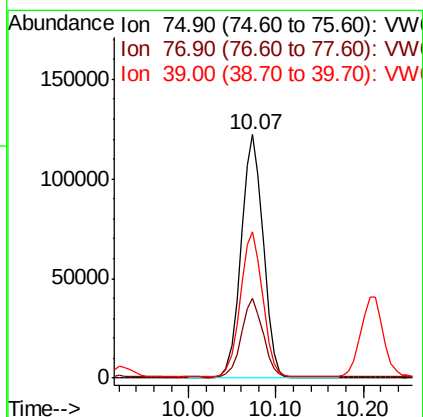
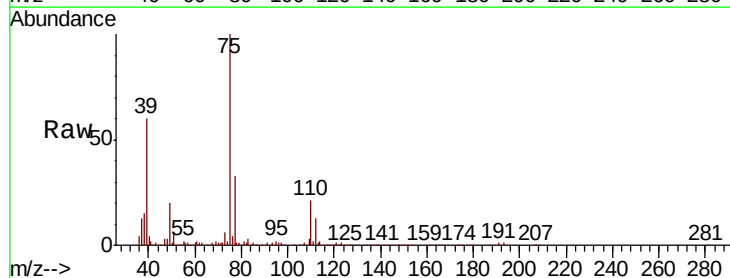
Tgt Ion: 75 Resp: 213961

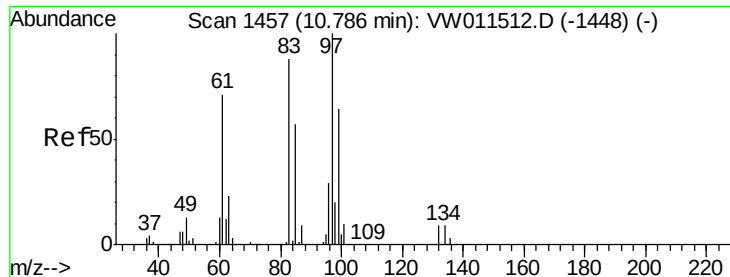
Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 59.7 47.0 70.4

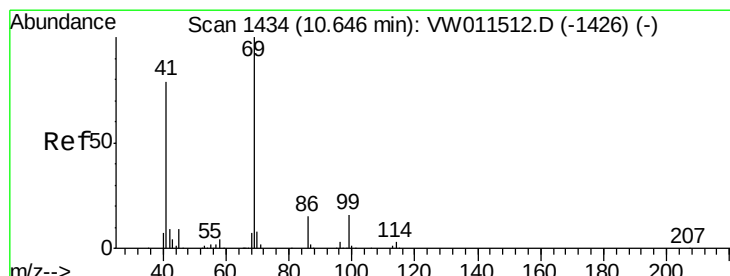
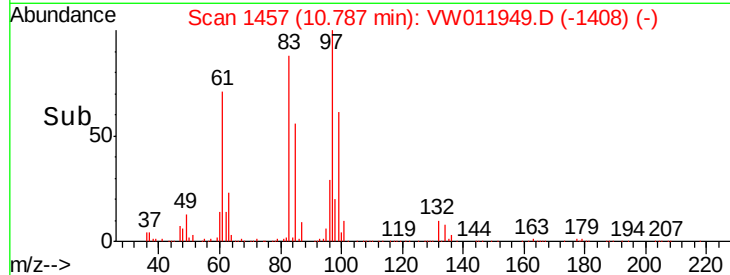
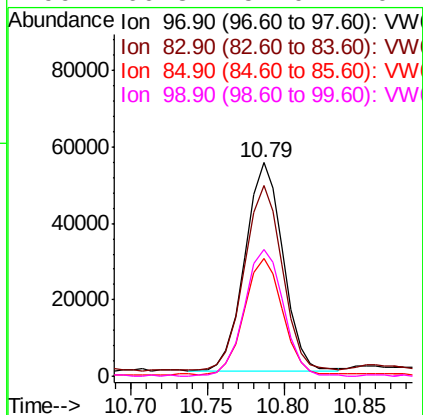
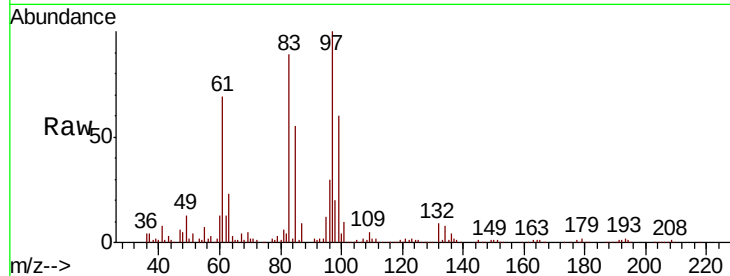




#55
 1,1,2-Trichloroethane
 Concen: 51.020 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

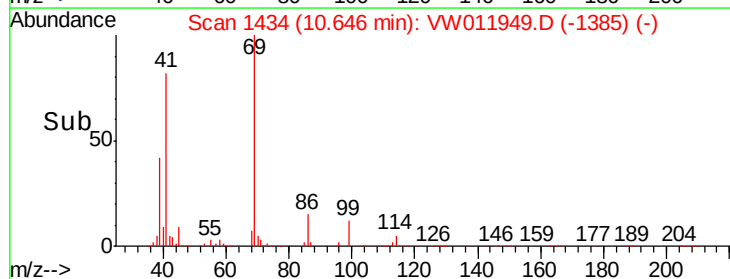
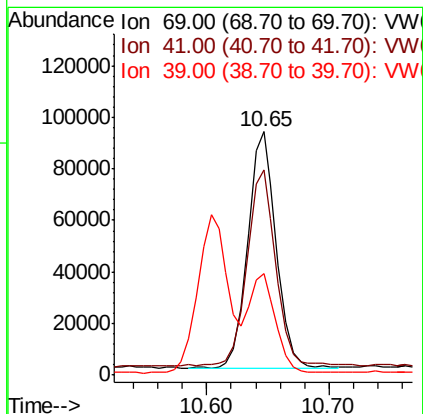
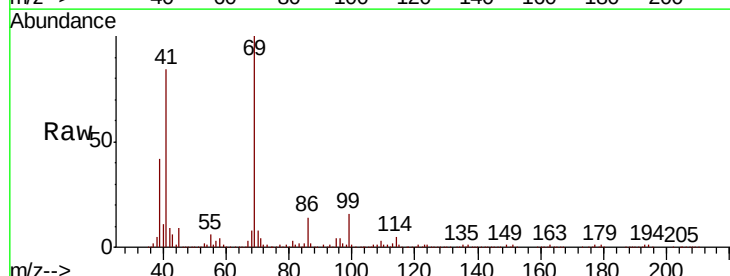
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

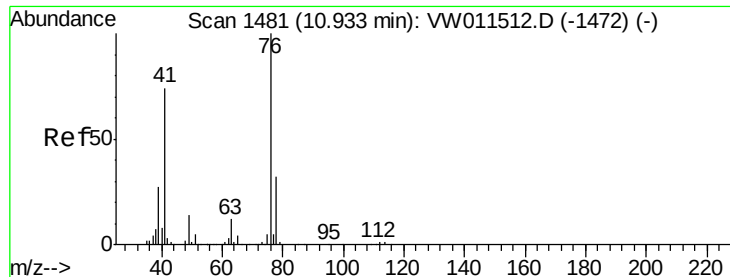
Tgt Ion:	97	Resp:	94584
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.5	105.7
85	55.3	45.8	68.6
99	60.8	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 53.908 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion:	69	Resp:	146239
Ion	Ratio	Lower	Upper
69	100		
41	85.3	66.6	99.8
39	39.0	30.3	45.5

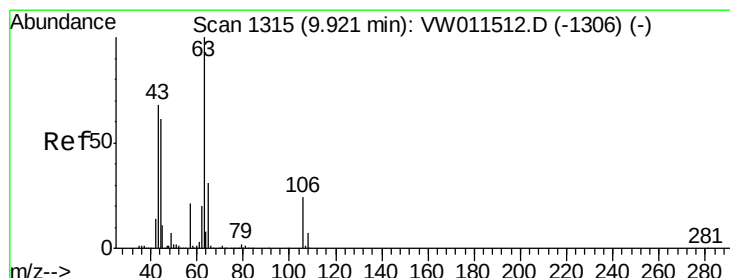
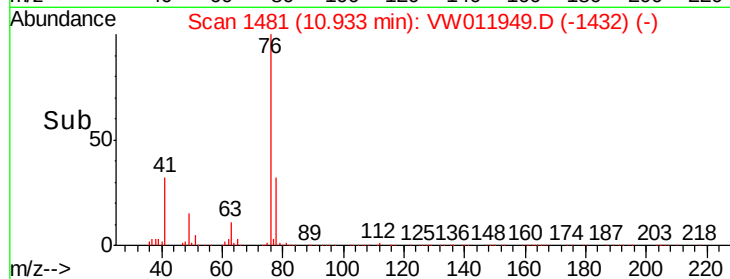
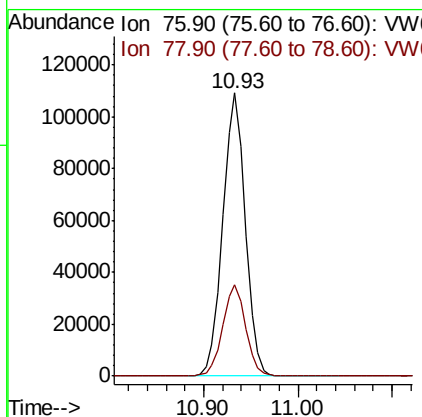
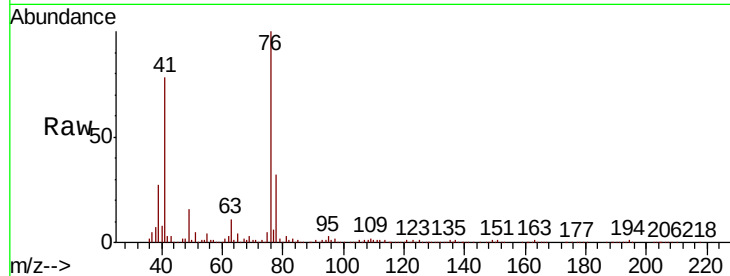




#57
 1,3-Dichloropropane
 Concen: 51.475 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

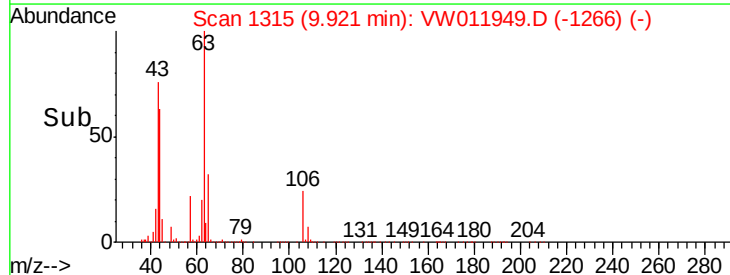
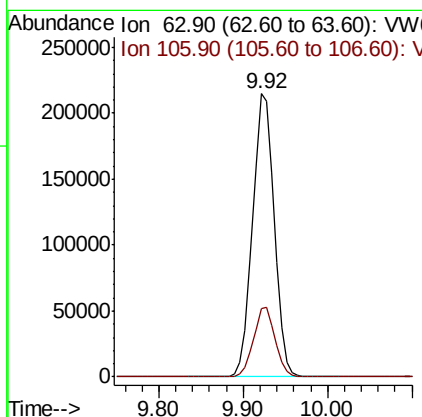
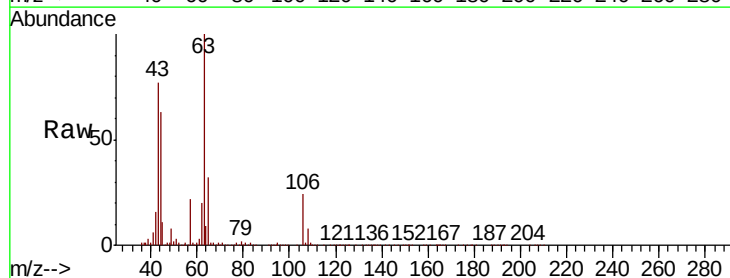
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

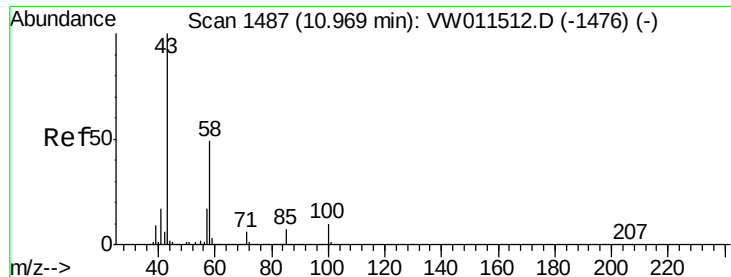
Tgt Ion: 76 Resp: 180537
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 303.180 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 63 Resp: 373430
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5

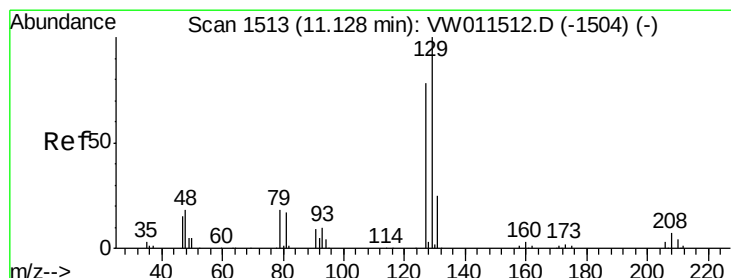
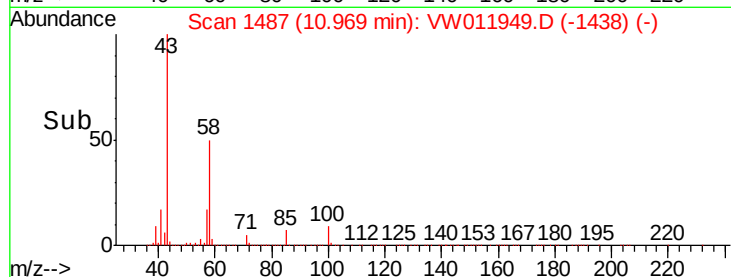
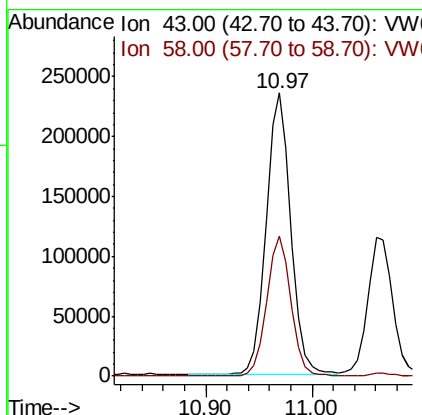
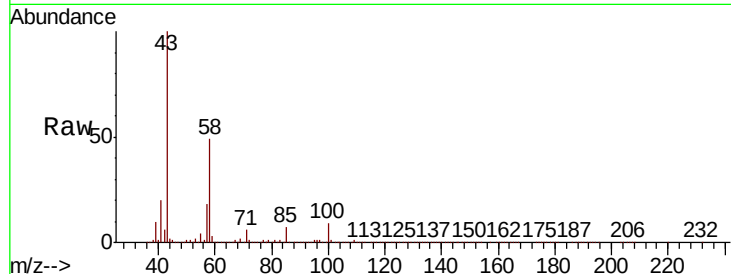




#59
2-Hexanone
Concen: 254.067 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

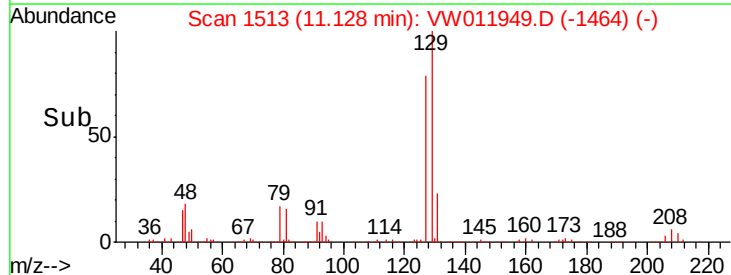
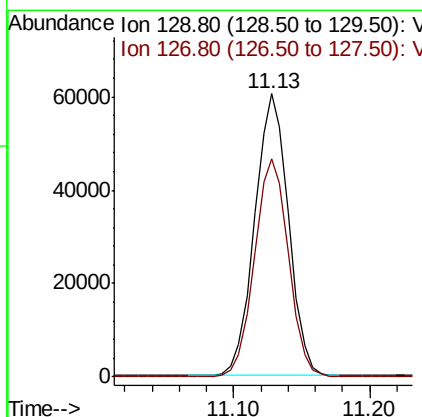
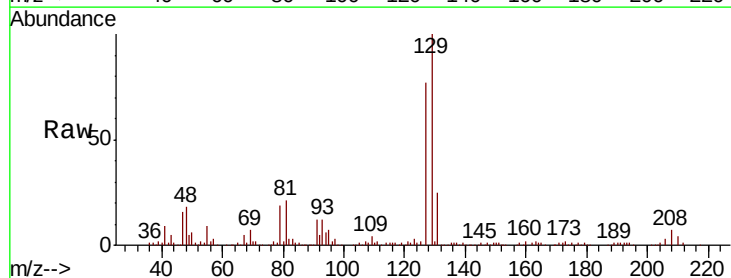
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

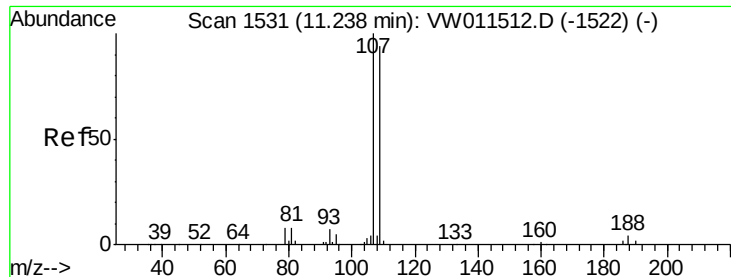
Tgt Ion: 43 Resp: 377099
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9



#60
Dibromochloromethane
Concen: 50.959 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion: 129 Resp: 104863
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.559 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

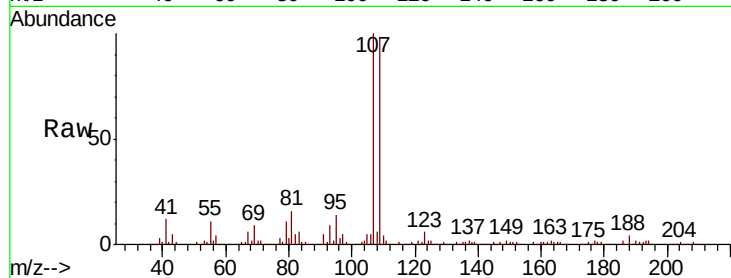
VSTDCCC050EC

Tgt Ion: 107 Resp: 90454

Ion Ratio Lower Upper

107 100

109 94.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

60000

50000

40000

30000

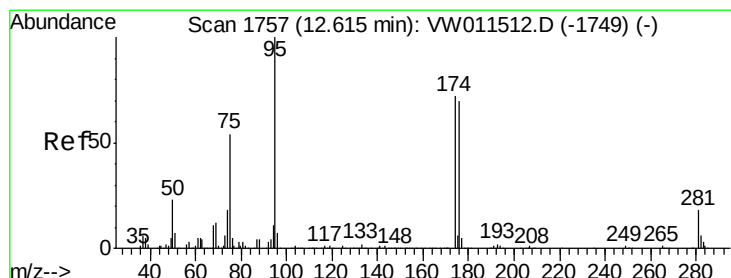
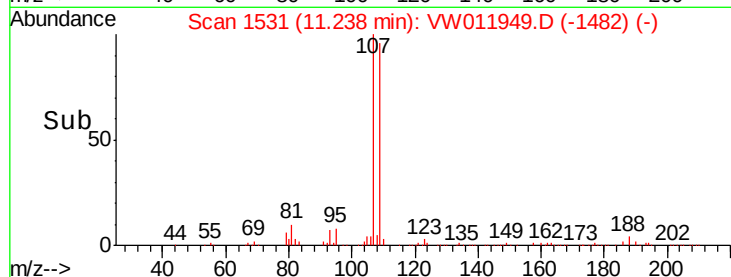
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 74.089 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

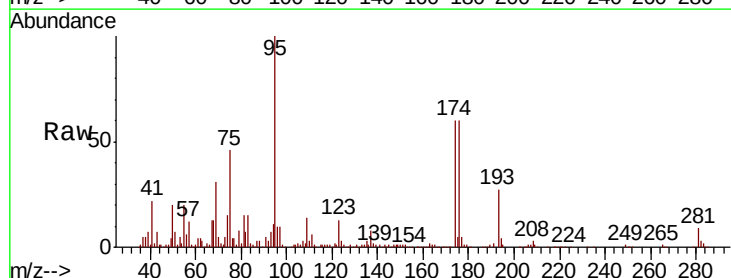
Tgt Ion: 95 Resp: 222872

Ion Ratio Lower Upper

95 100

174 52.4 0.0 150.2

176 51.5 0.0 144.4



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

12.62

150000

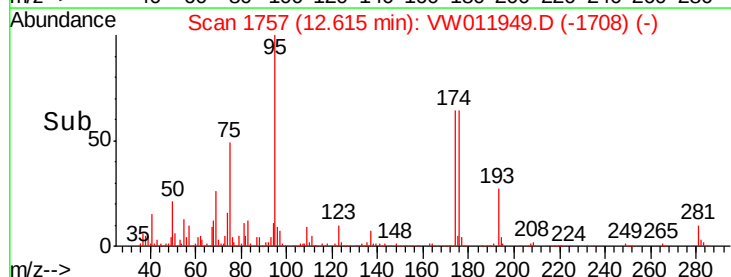
100000

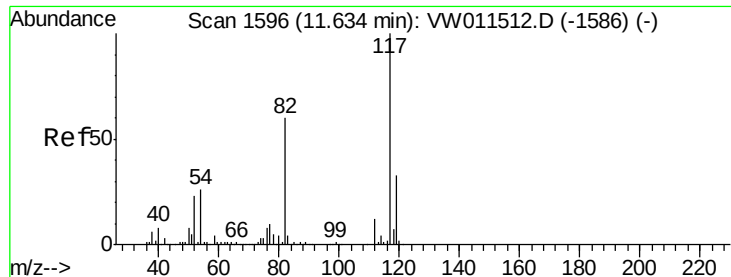
50000

0

Time-->

12.50 12.60 12.70

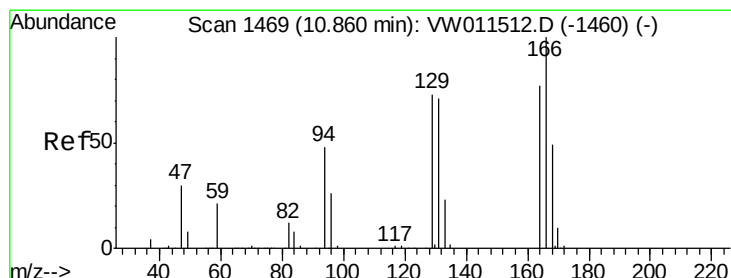
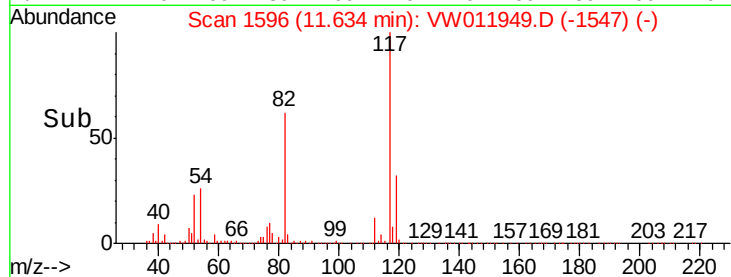
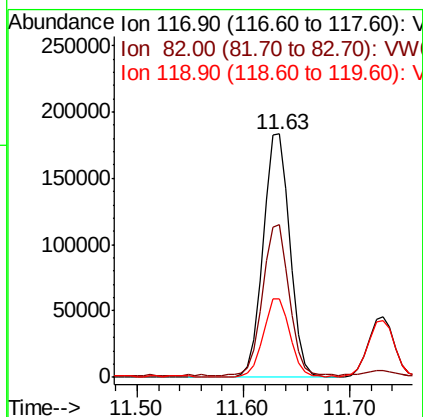
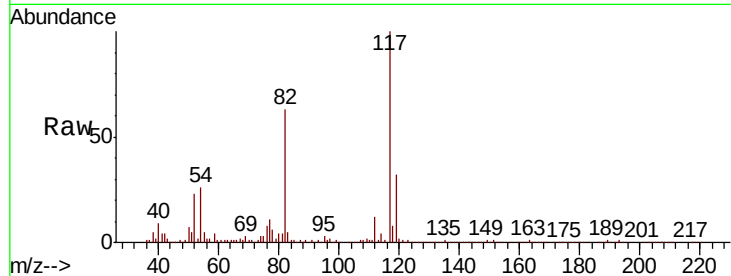




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

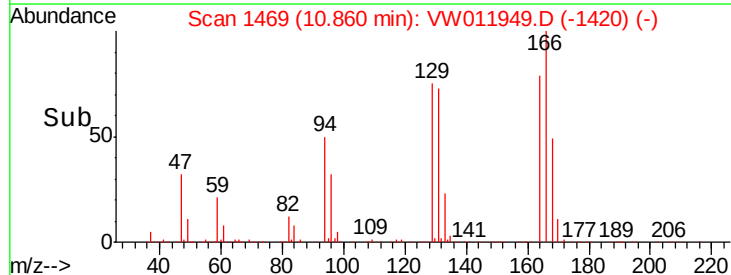
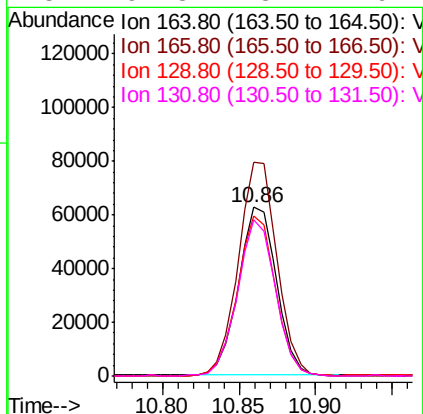
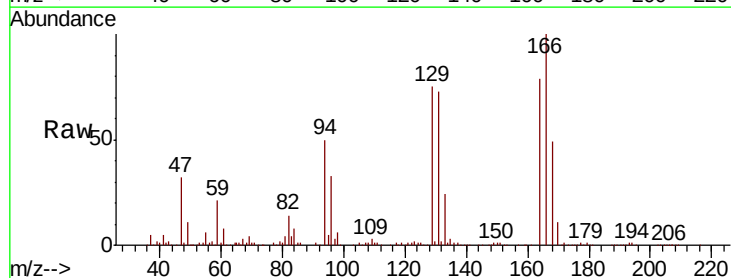
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

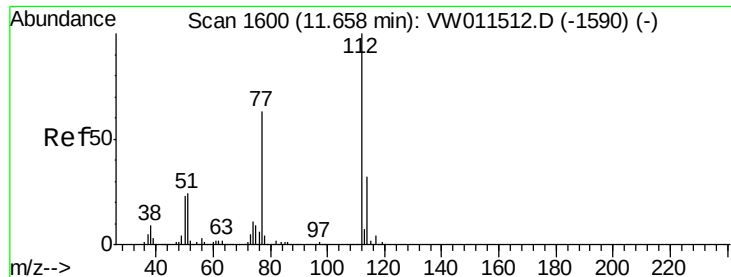
Tgt Ion:117 Resp: 321231
Ion Ratio Lower Upper
117 100
82 61.9 47.9 71.9
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 51.738 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion:164 Resp: 108213
Ion Ratio Lower Upper
164 100
166 126.8 103.5 155.3
129 95.2 75.2 112.8
131 92.8 73.4 110.2

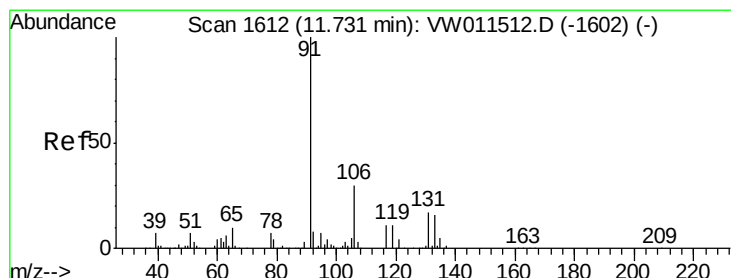
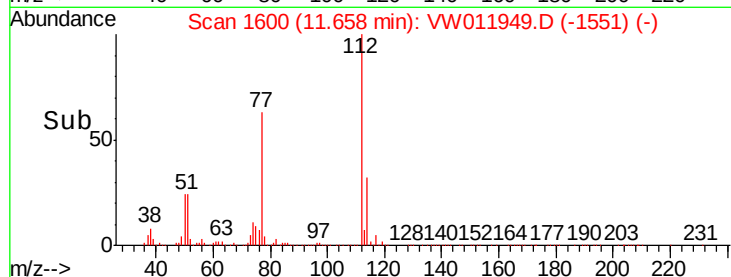
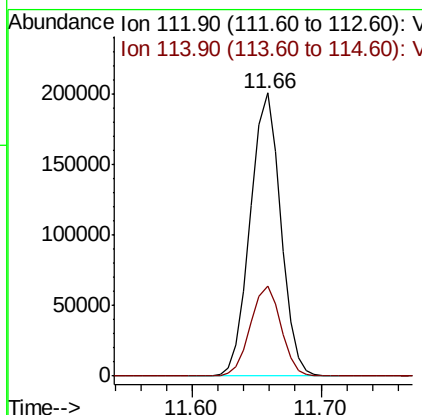
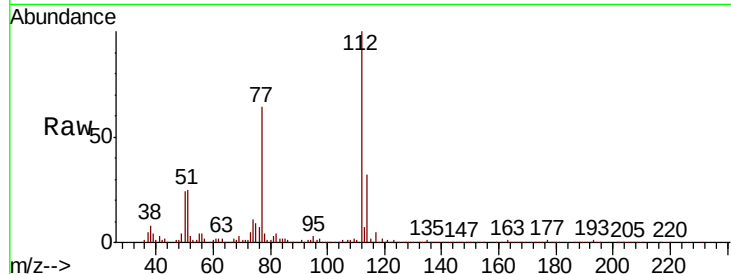




#65
Chlorobenzene
Concen: 50.438 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

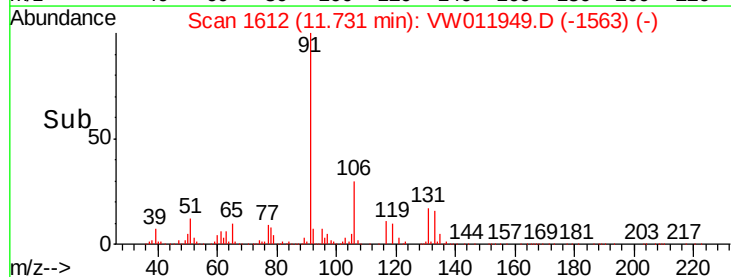
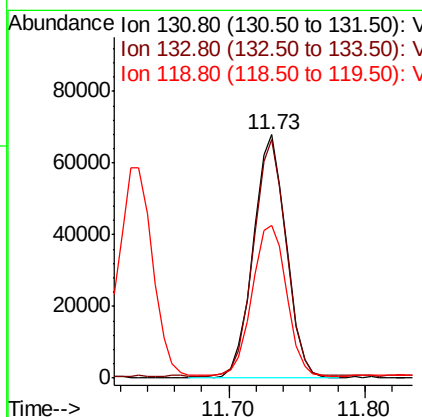
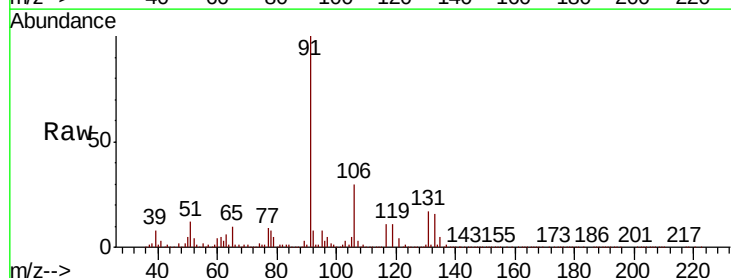
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

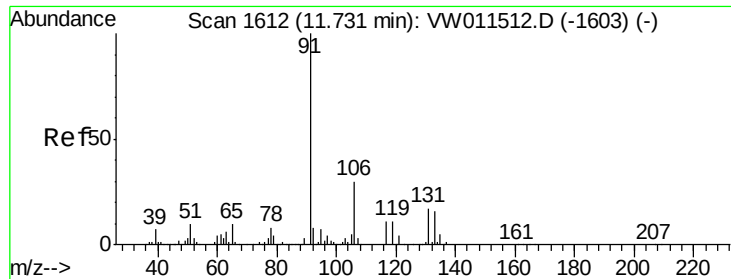
Tgt Ion:112 Resp: 325743
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.053 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion:131 Resp: 114847
Ion Ratio Lower Upper
131 100
133 97.5 47.4 142.2
119 65.0 32.3 96.9

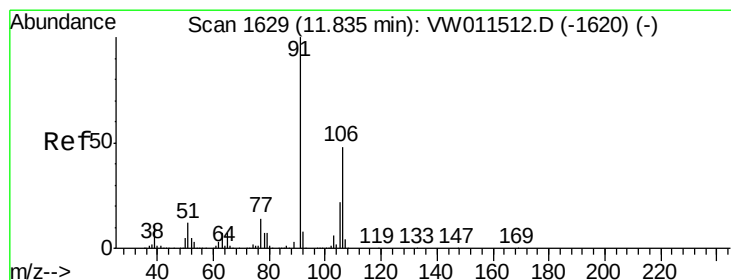
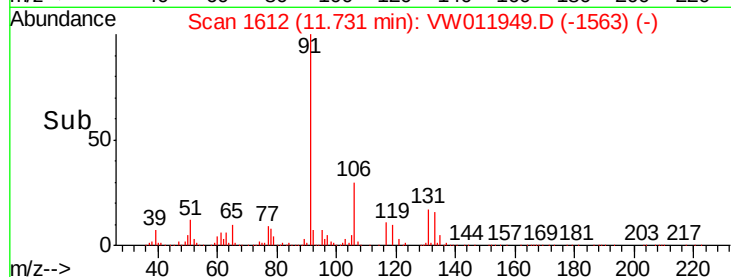
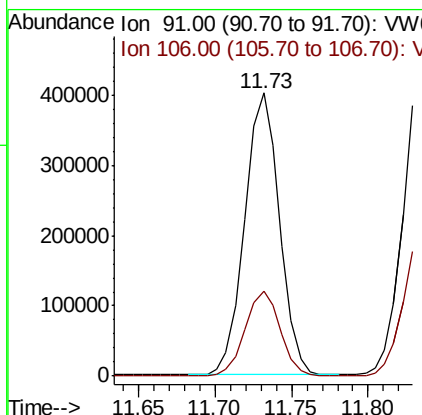
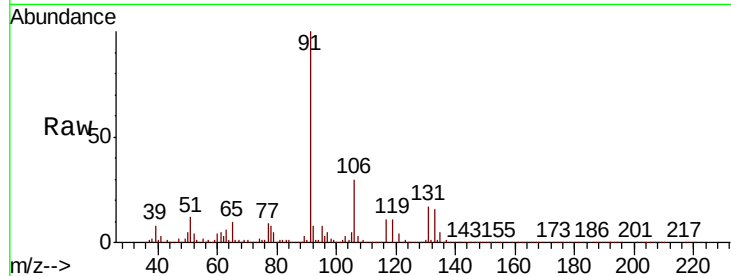




#67
Ethyl Benzene
Concen: 51.613 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

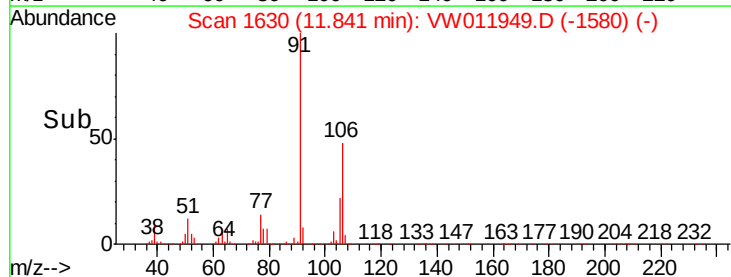
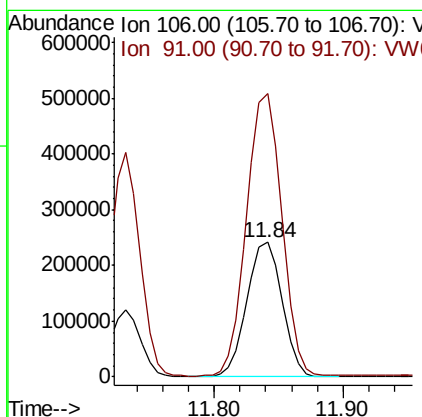
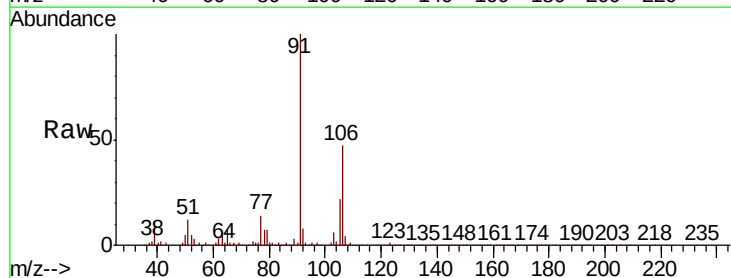
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

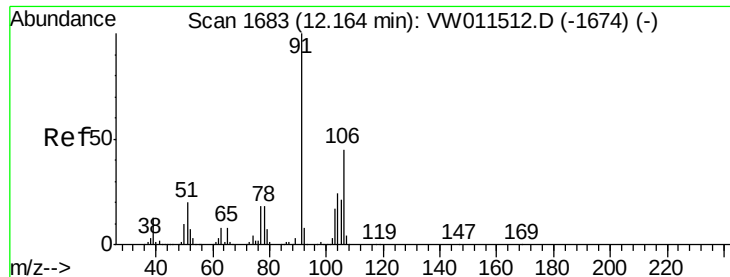
Tgt Ion: 91 Resp: 634839
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.6



#68
m/p-Xylenes
Concen: 101.517 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion: 106 Resp: 454102
Ion Ratio Lower Upper
106 100
91 211.4 168.2 252.2

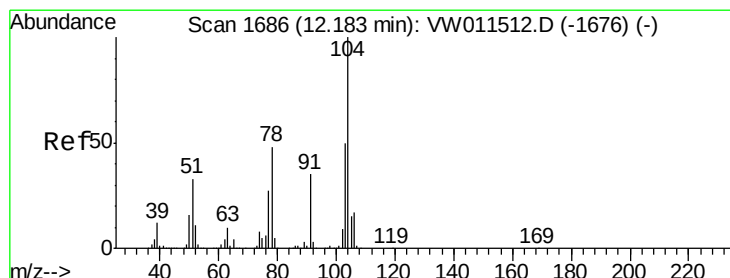
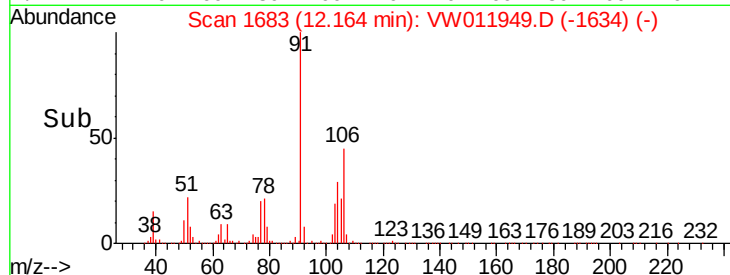
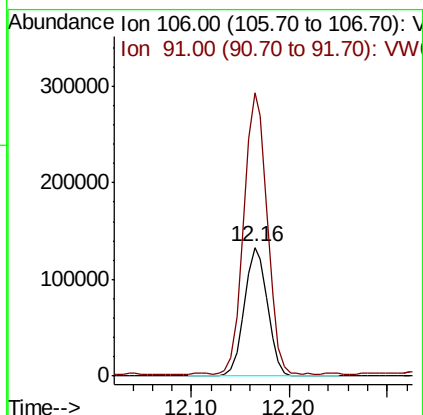
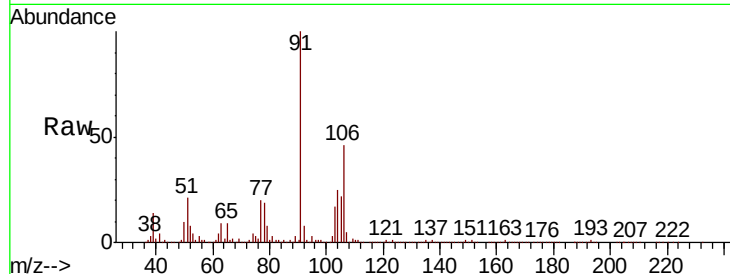




#69
o-Xylene
Concen: 52.112 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

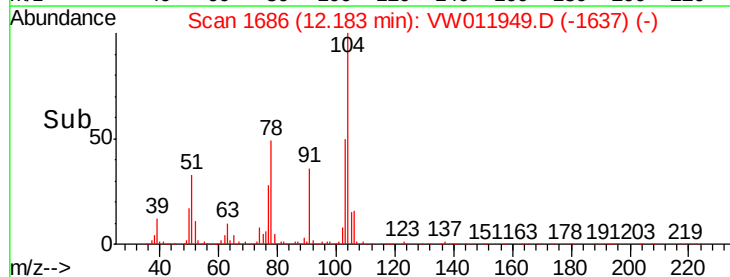
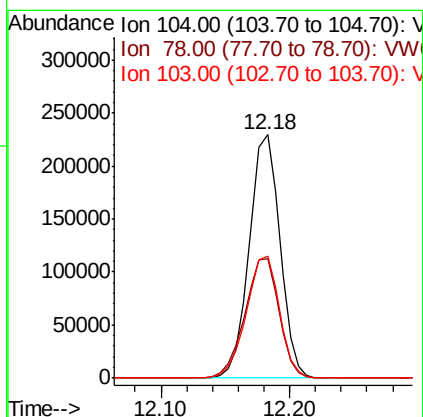
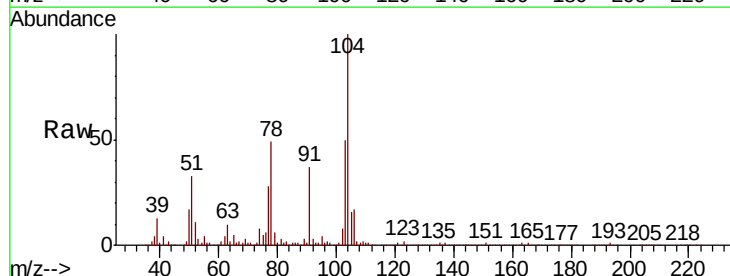
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

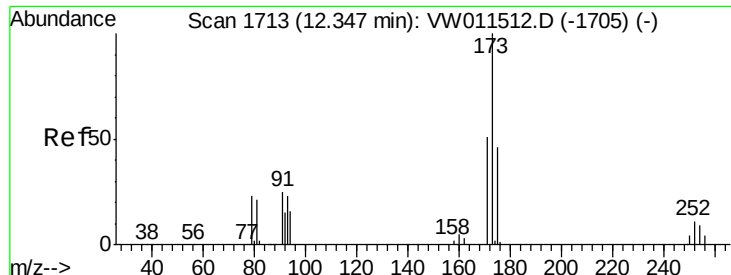
Tgt Ion:106 Resp: 216617
Ion Ratio Lower Upper
106 100
91 221.8 110.5 331.5



#70
Styrene
Concen: 52.324 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion:104 Resp: 376054
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.0
103 54.1 43.9 65.9





#71

Bromoform

Concen: 51.919 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

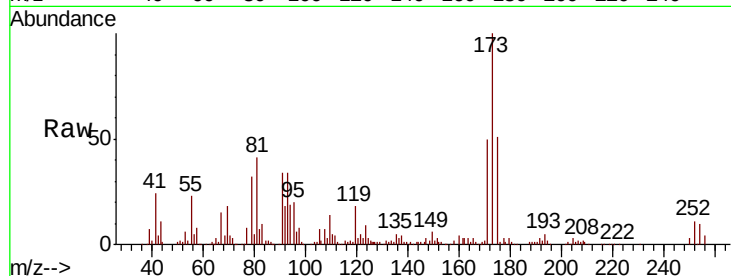
Tgt Ion:173 Resp: 59549

Ion Ratio Lower Upper

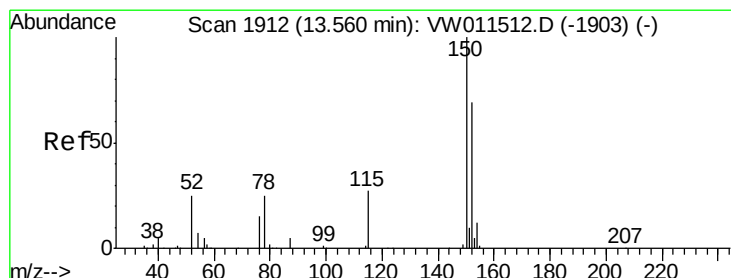
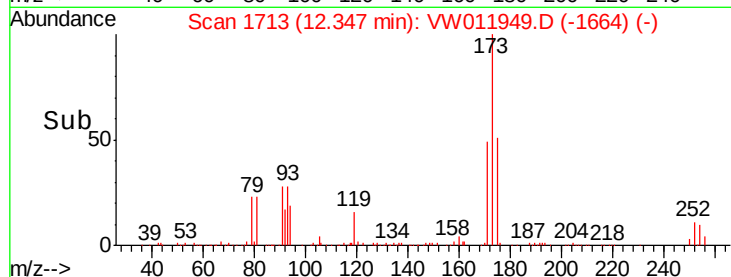
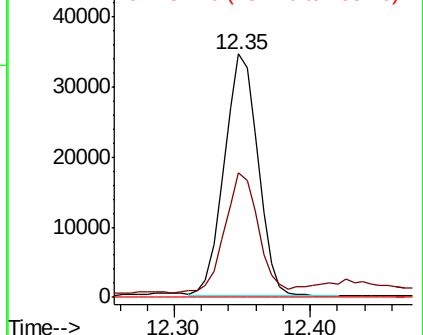
173 100

175 49.6 23.6 71.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

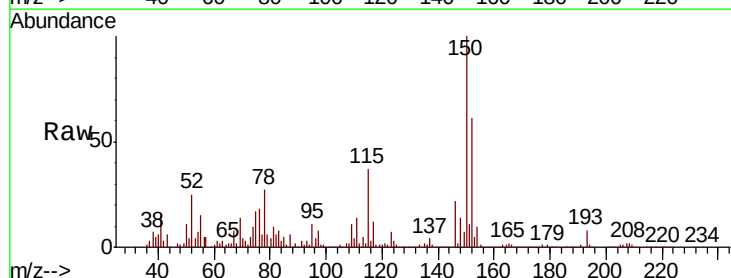
Tgt Ion:152 Resp: 157557

Ion Ratio Lower Upper

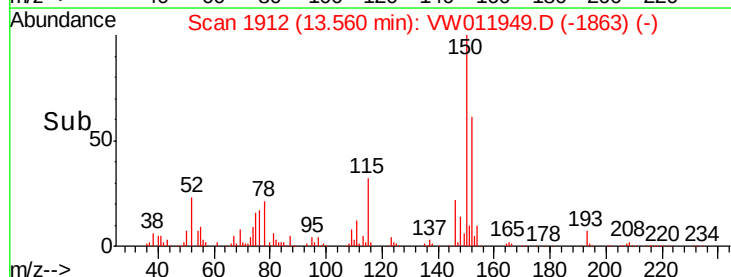
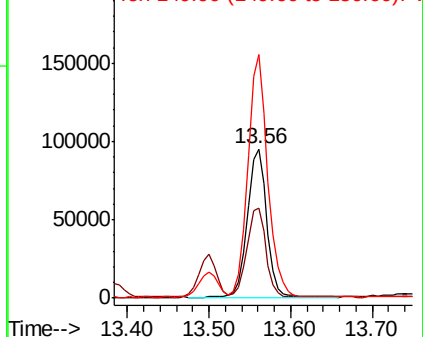
152 100

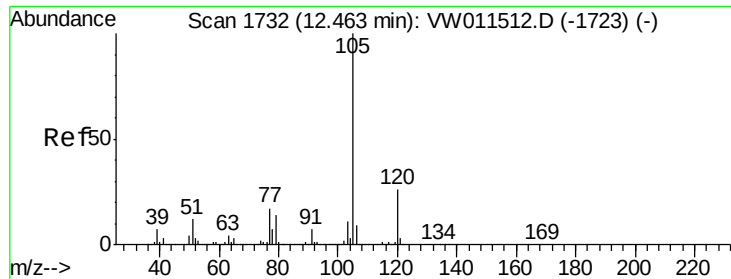
115 57.6 30.5 91.5

150 165.2 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

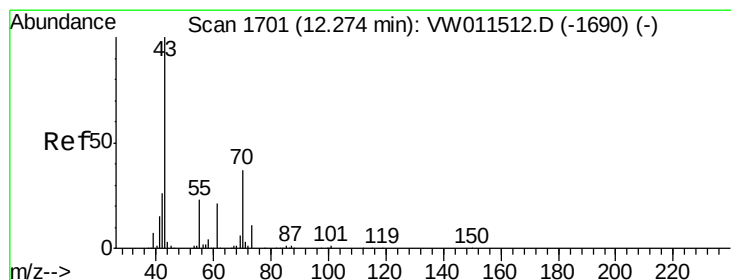
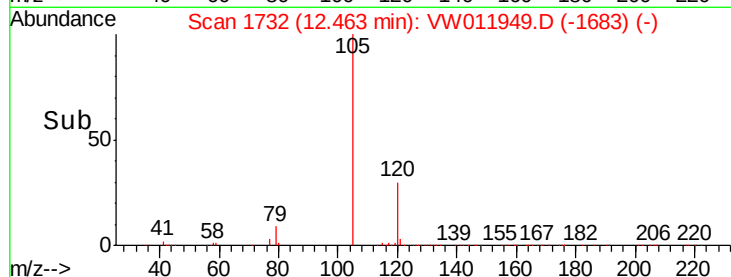
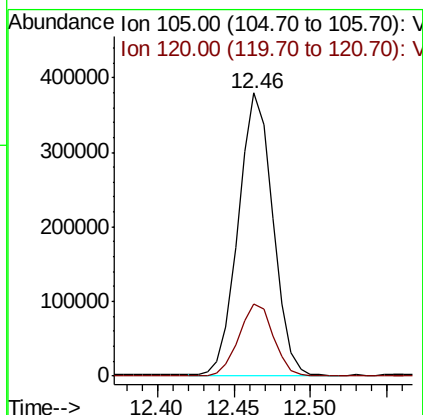
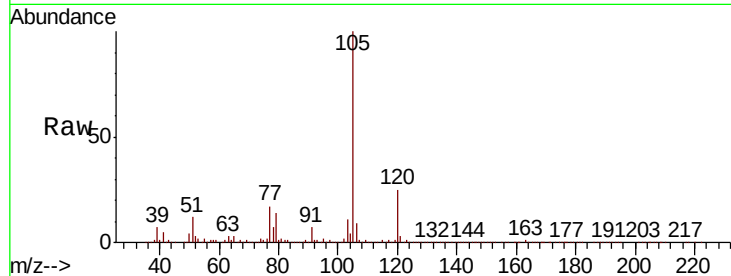




#73
Isopropylbenzene
Concen: 50.306 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

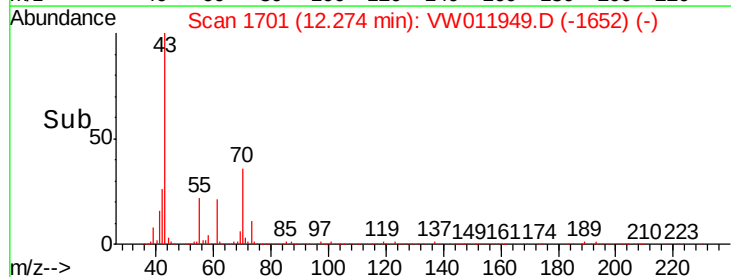
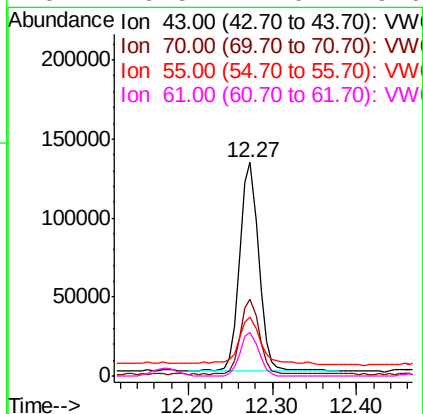
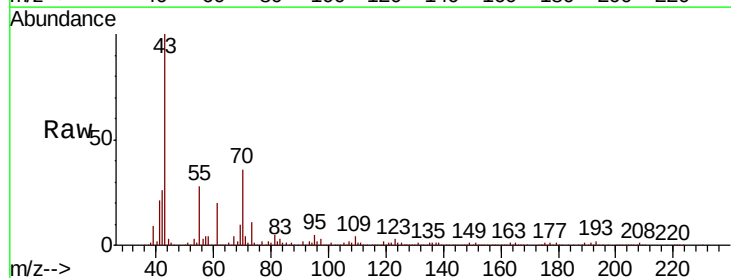
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

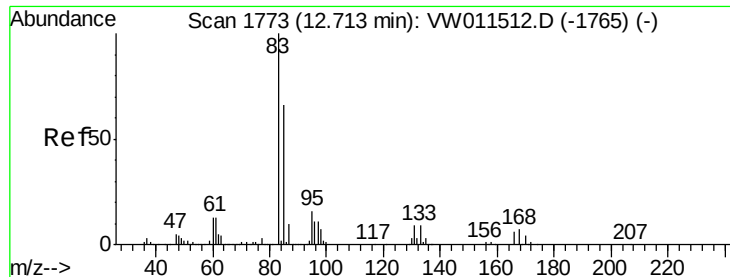
Tgt Ion: 105 Resp: 591298
Ion Ratio Lower Upper
105 100
120 25.5 12.9 38.7



#74
N-ethyl acetate
Concen: 54.976 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion: 43 Resp: 202308
Ion Ratio Lower Upper
43 100
70 35.2 28.6 43.0
55 24.3 17.8 26.8
61 20.5 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.820 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

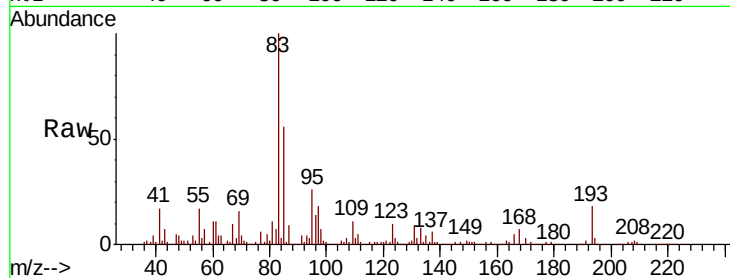
Tgt Ion: 83 Resp: 123414

Ion Ratio Lower Upper

83 100

131 9.1 4.9 14.6

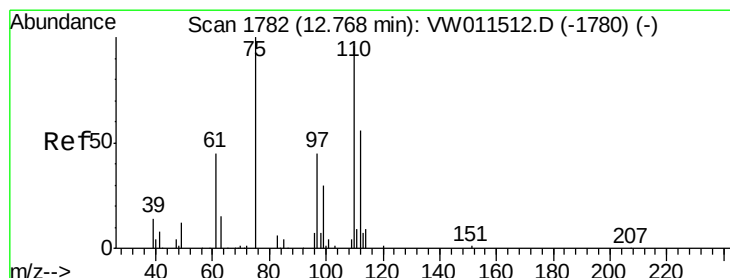
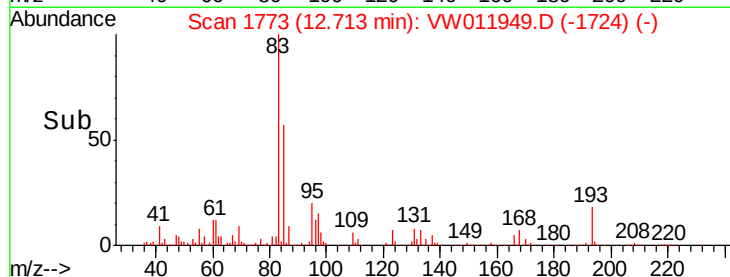
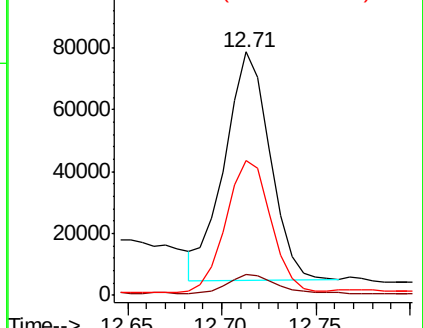
85 57.8 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 89.250 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011949.D

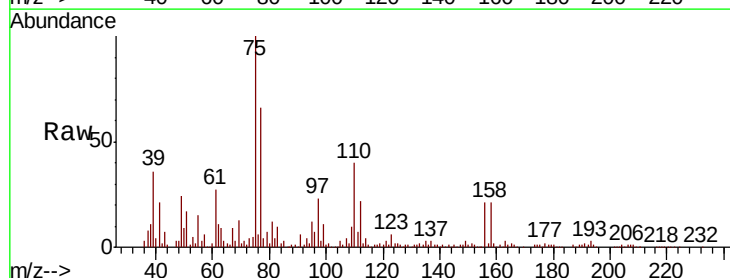
Acq: 16 Aug 2019 01:11

Tgt Ion: 75 Resp: 148792

Ion Ratio Lower Upper

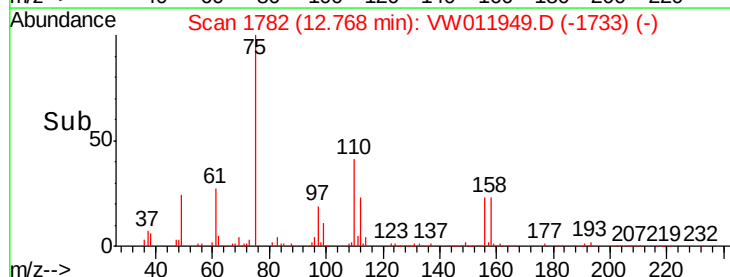
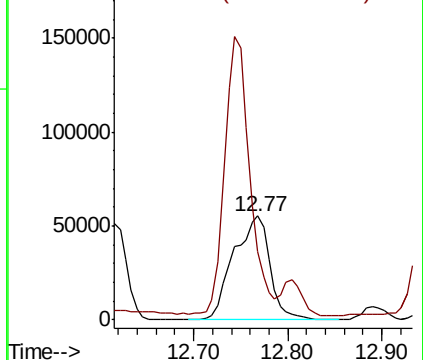
75 100

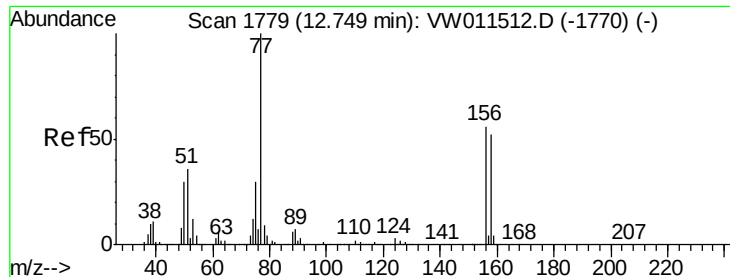
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.721 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

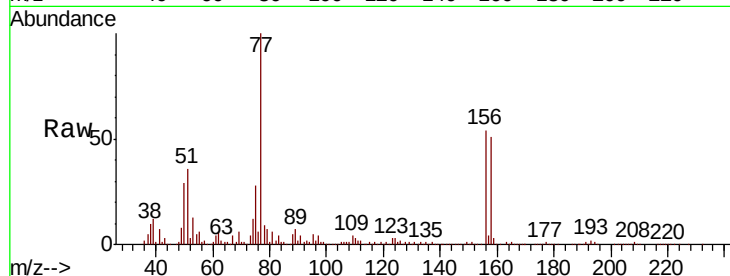
Tgt Ion:156 Resp: 131775

Ion Ratio Lower Upper

156 100

77 209.8 106.5 319.4

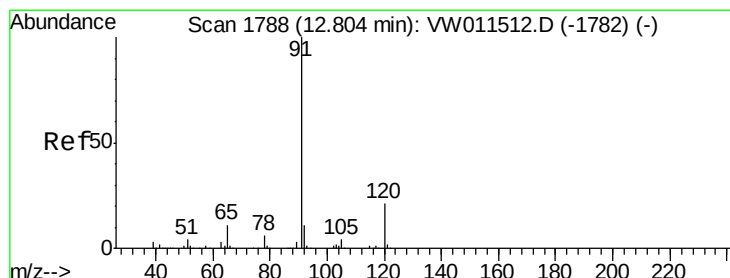
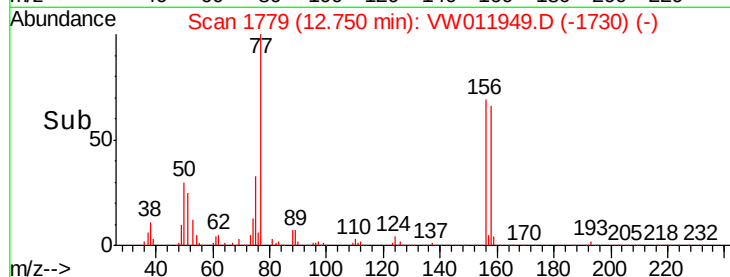
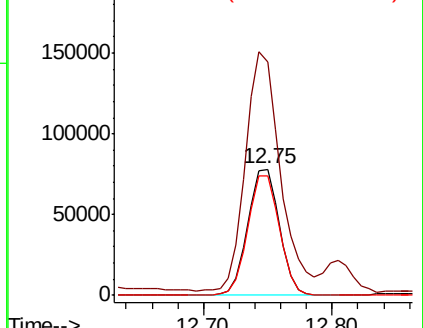
158 95.5 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.721 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011949.D

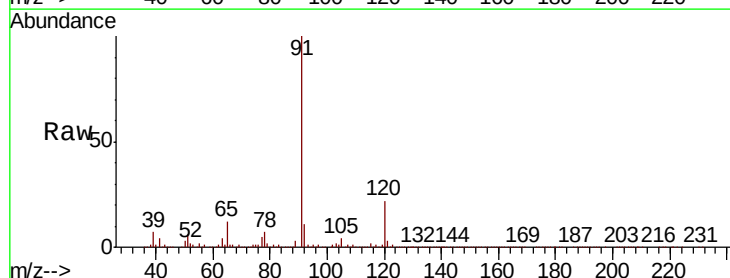
Acq: 16 Aug 2019 01:11

Tgt Ion: 91 Resp: 711252

Ion Ratio Lower Upper

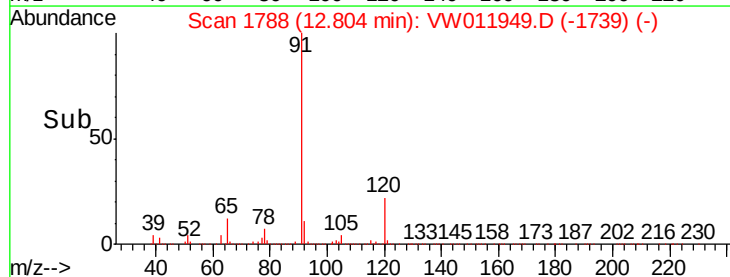
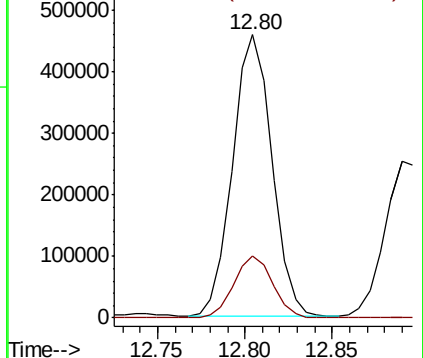
91 100

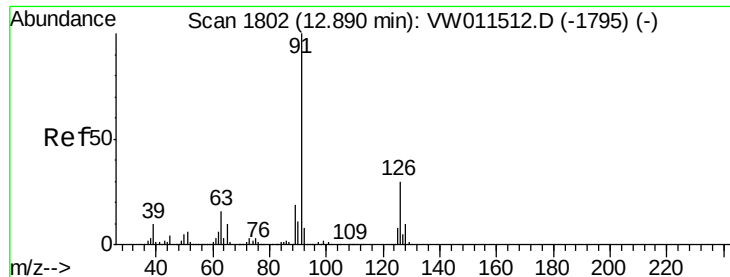
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.122 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

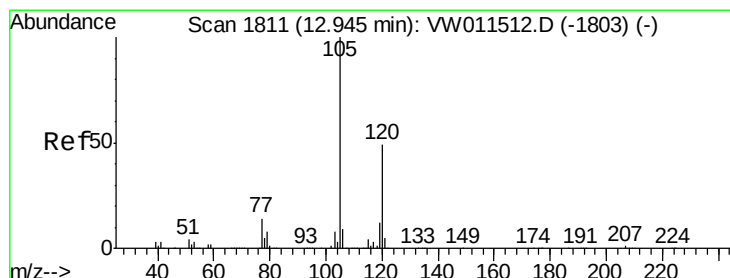
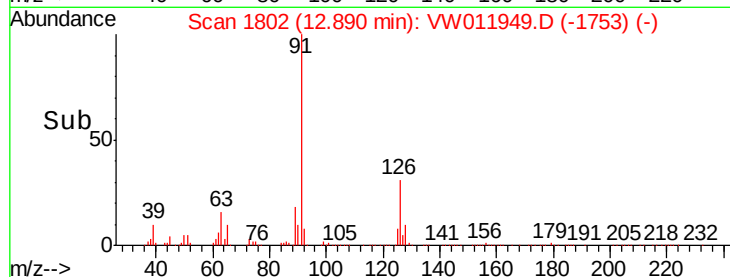
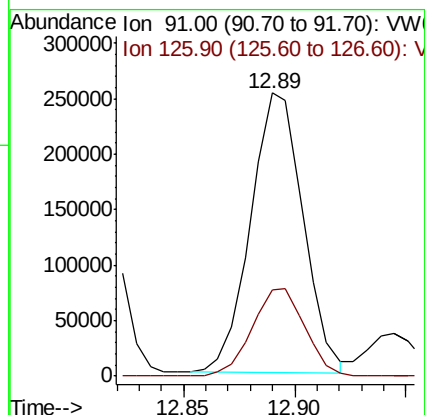
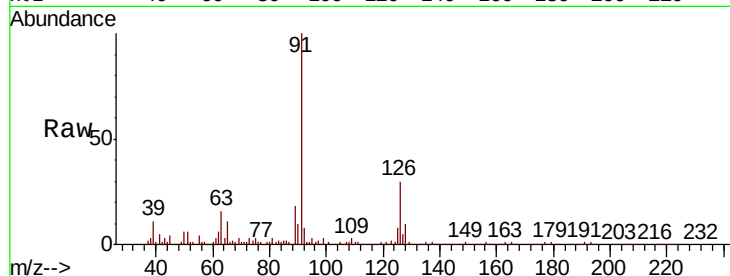
VSTDCCC050EC

Tgt Ion: 91 Resp: 413060

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 50.153 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011949.D

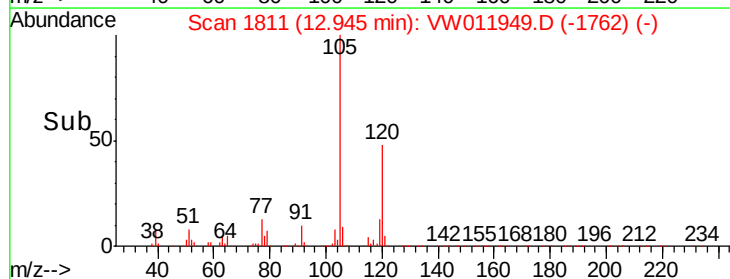
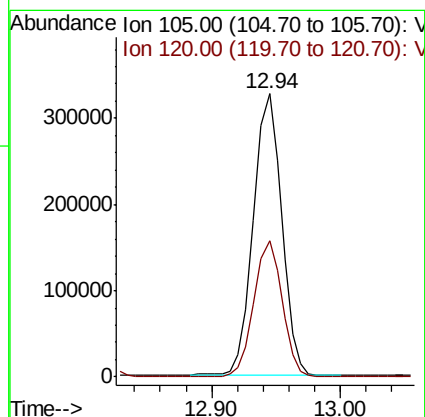
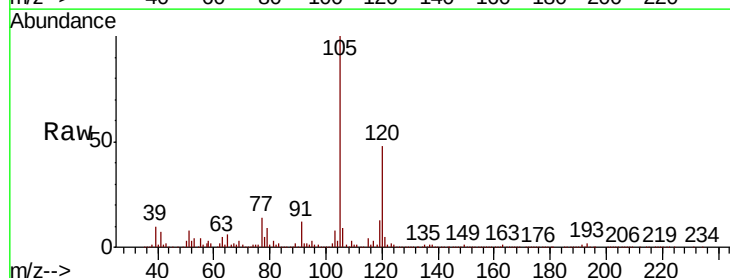
Acq: 16 Aug 2019 01:11

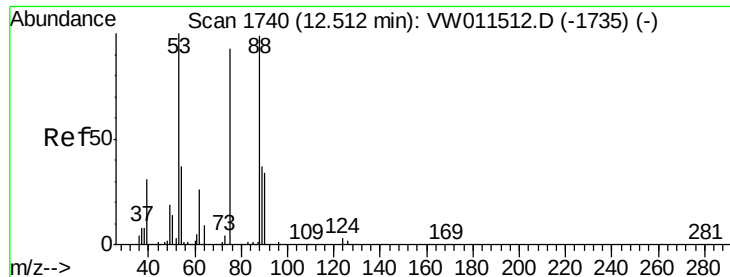
Tgt Ion: 105 Resp: 494154

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 49.883 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

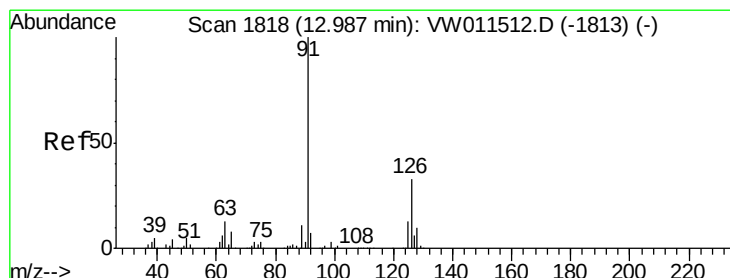
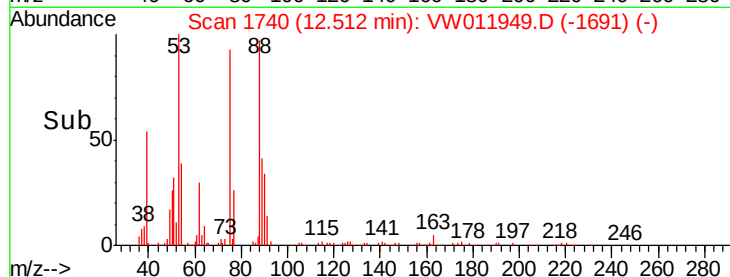
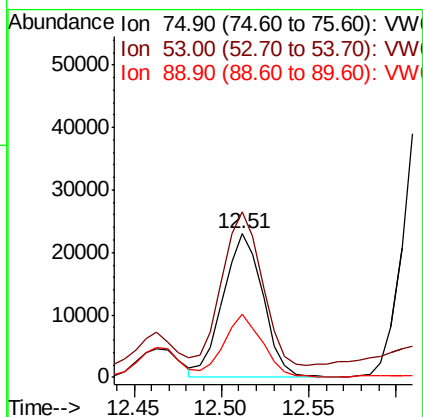
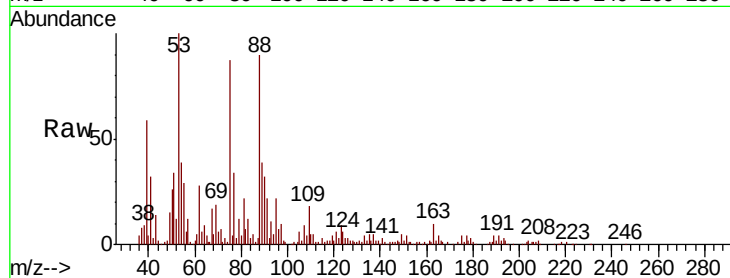
Tgt Ion: 75 Resp: 36084

Ion Ratio Lower Upper

75 100

53 106.4 88.0 132.0

89 41.3 35.3 52.9



#82

4-Chlorotoluene

Concen: 49.672 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011949.D

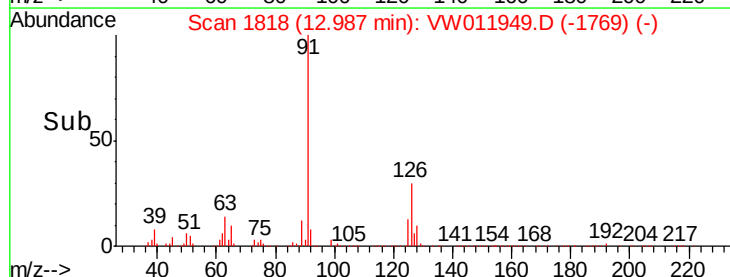
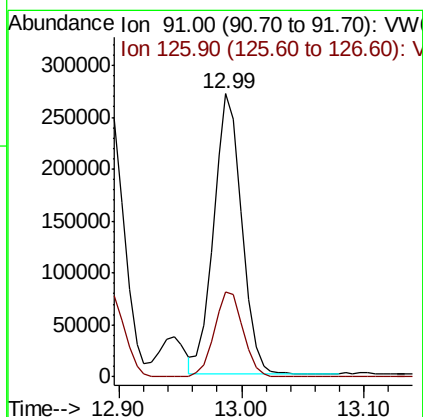
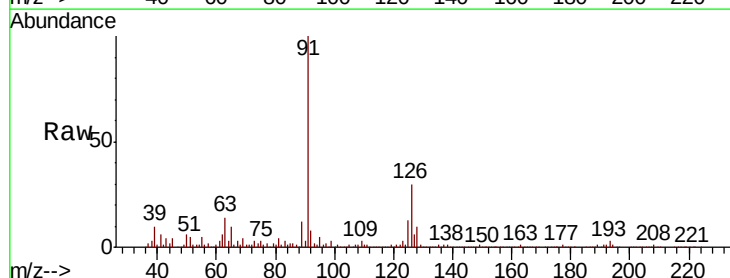
Acq: 16 Aug 2019 01:11

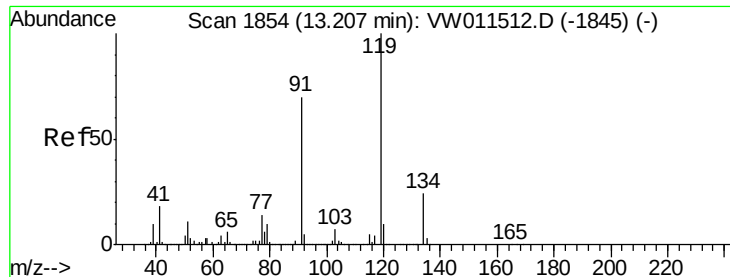
Tgt Ion: 91 Resp: 429493

Ion Ratio Lower Upper

91 100

126 30.7 15.6 46.8





#83

tert-Butylbenzene

Concen: 51.145 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

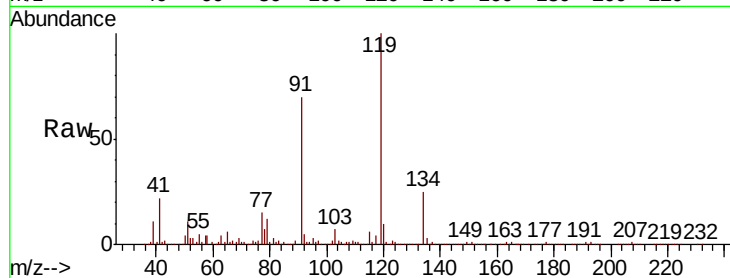
Tgt Ion:119 Resp: 421409

Ion Ratio Lower Upper

119 100

91 68.4 34.5 103.6

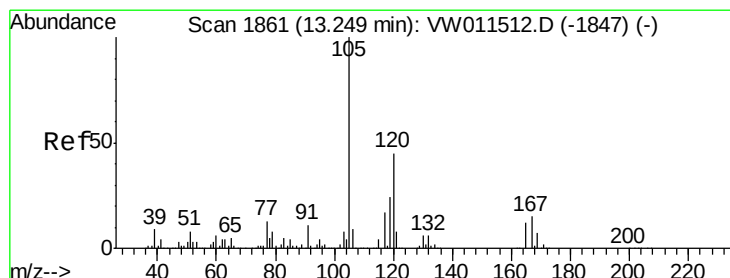
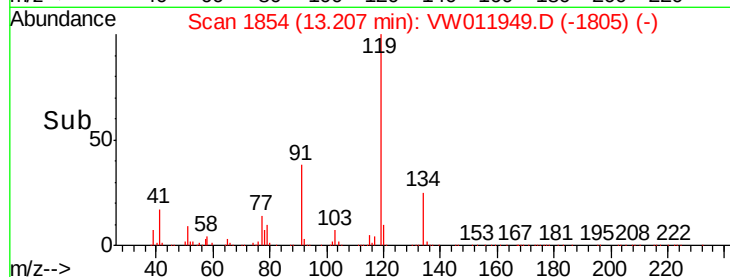
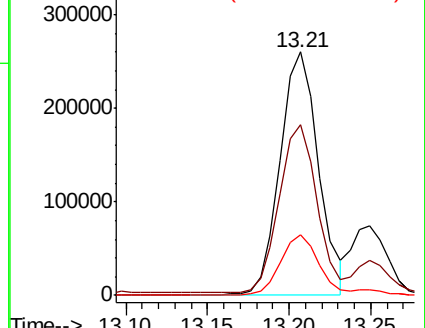
134 24.6 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.612 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW011949.D

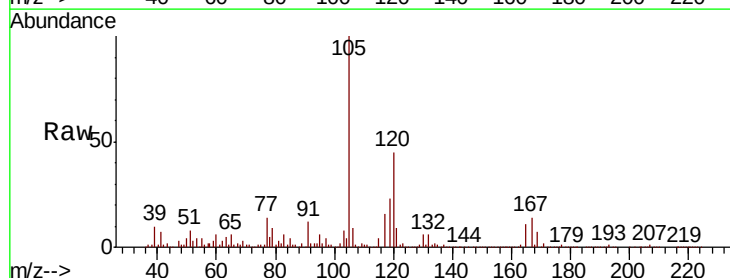
Acq: 16 Aug 2019 01:11

Tgt Ion:105 Resp: 492415

Ion Ratio Lower Upper

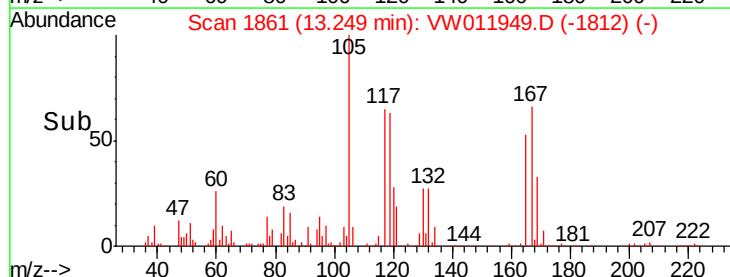
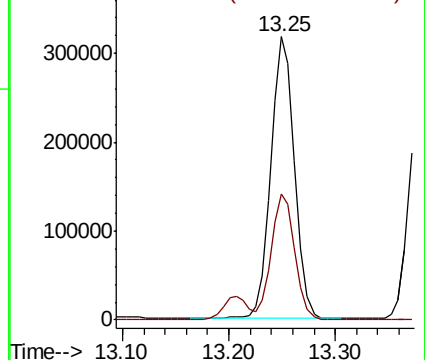
105 100

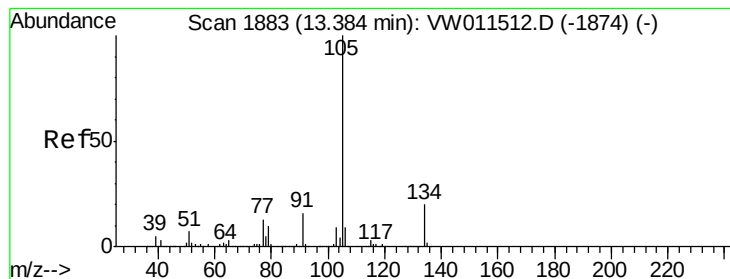
120 43.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.240 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

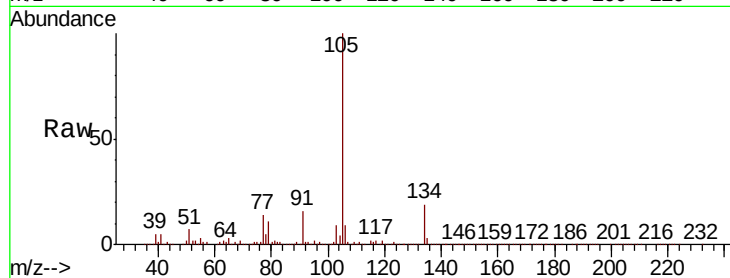
VSTDCCC050EC

Tgt Ion:105 Resp: 590648

Ion Ratio Lower Upper

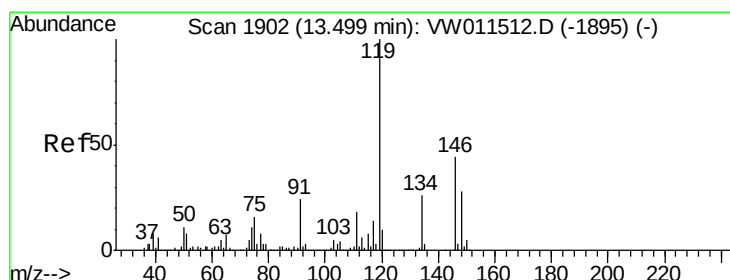
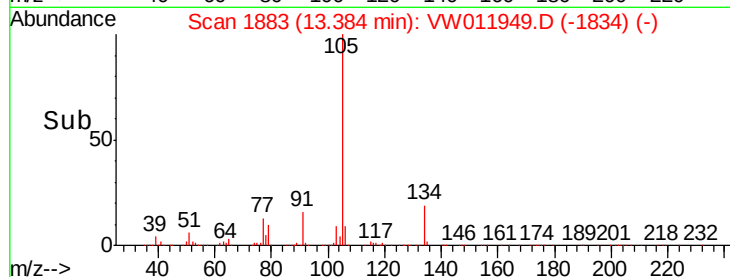
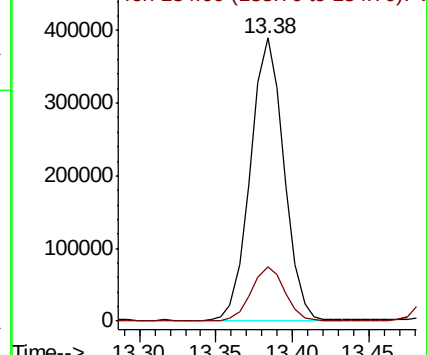
105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.877 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

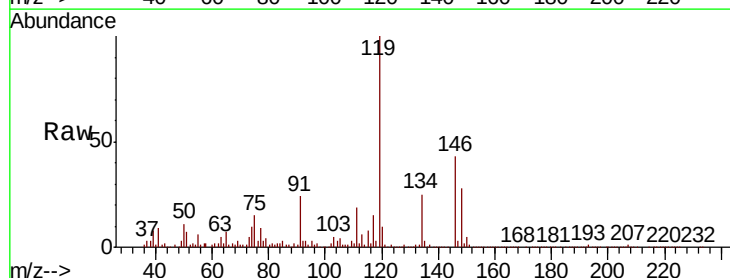
Tgt Ion:119 Resp: 532033

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

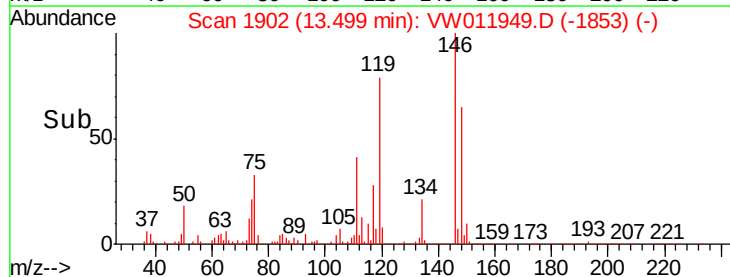
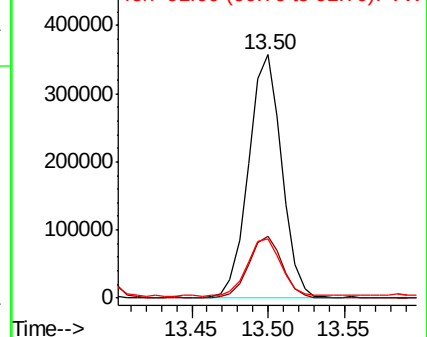
91 24.1 12.1 36.3

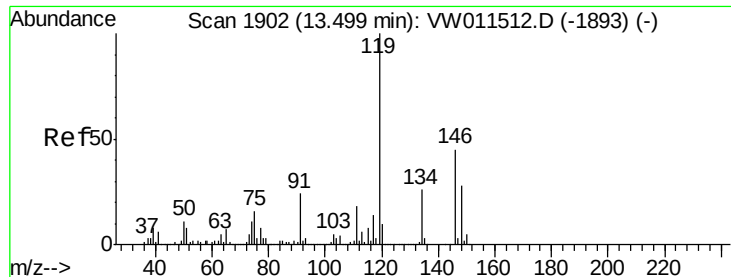


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

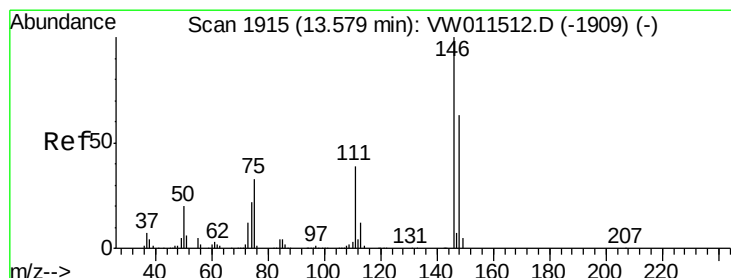
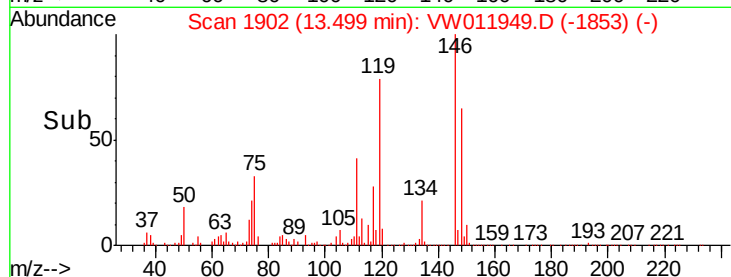
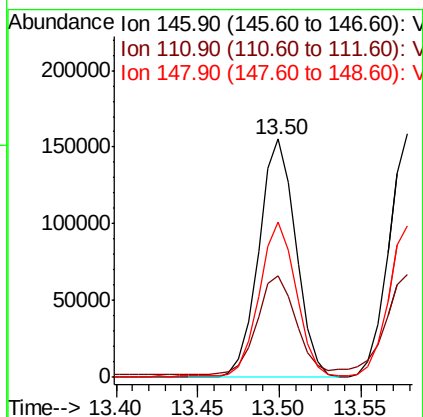
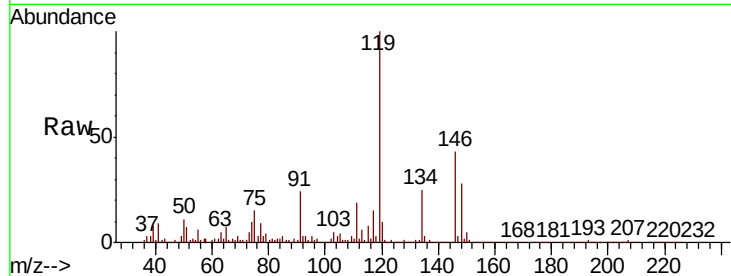




#87
 1,3-Dichlorobenzene
 Concen: 47.858 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

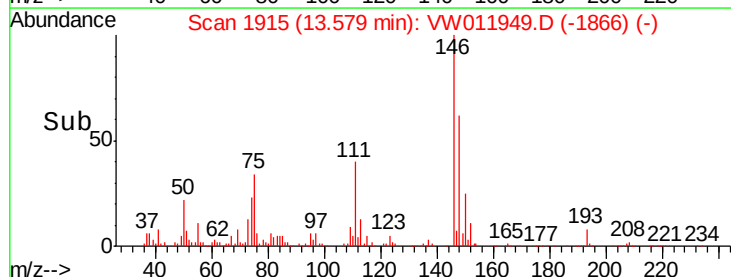
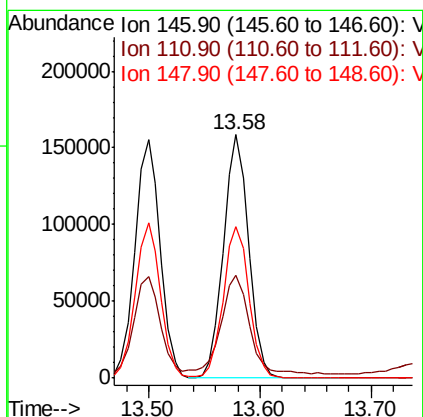
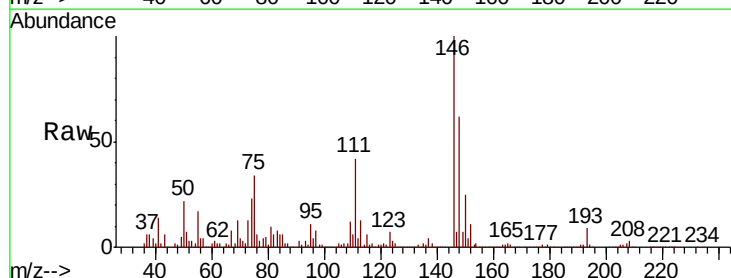
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

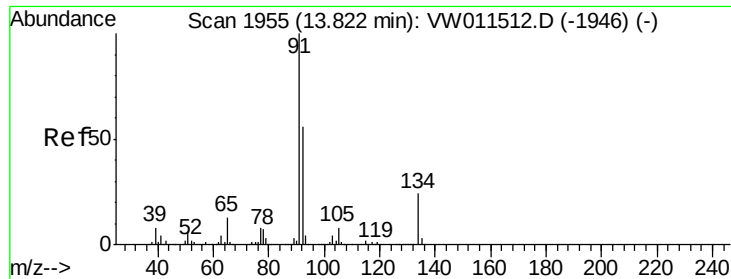
Tgt Ion:146 Resp: 243795
 Ion Ratio Lower Upper
 146 100
 111 45.0 20.5 61.6
 148 65.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 48.711 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion:146 Resp: 246842
 Ion Ratio Lower Upper
 146 100
 111 47.7 20.1 60.2
 148 63.6 31.9 95.9





#89

n-Butylbenzene

Concen: 48.379 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

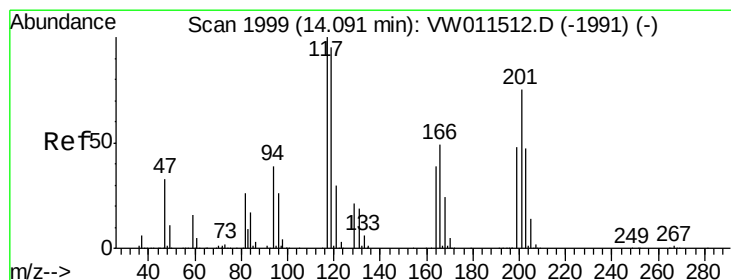
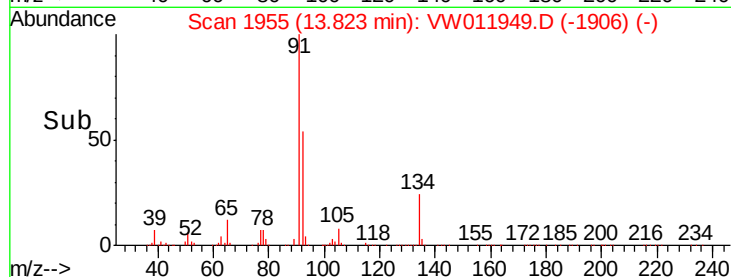
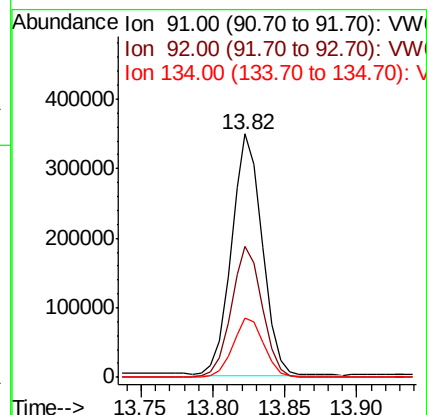
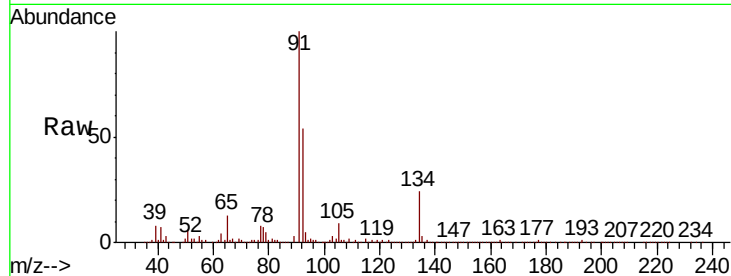
Tgt Ion: 91 Resp: 514996

Ion Ratio Lower Upper

91 100

92 54.0 27.5 82.4

134 24.6 12.2 36.6



#90

Hexachloroethane

Concen: 48.959 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW011949.D

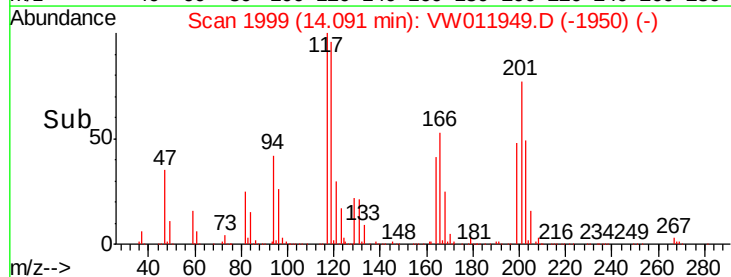
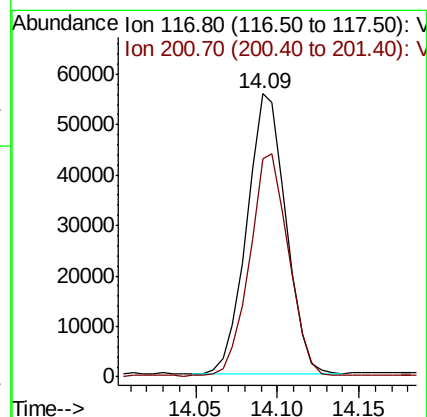
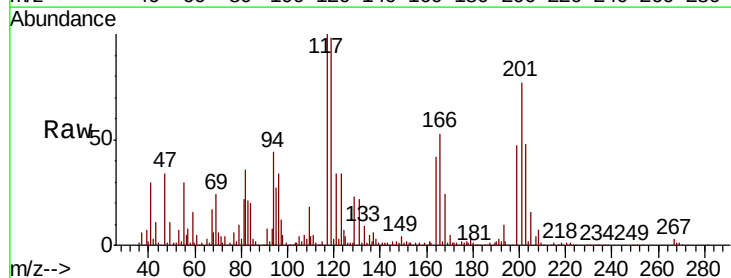
Acq: 16 Aug 2019 01:11

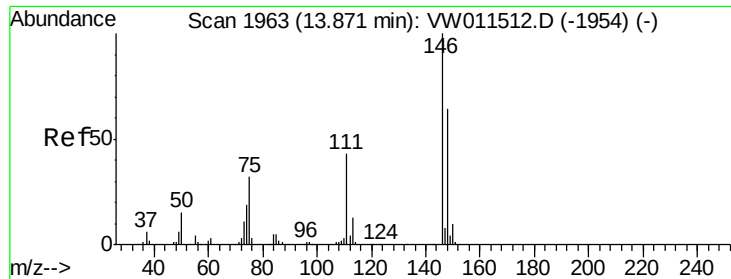
Tgt Ion: 117 Resp: 92348

Ion Ratio Lower Upper

117 100

201 80.7 39.4 118.2

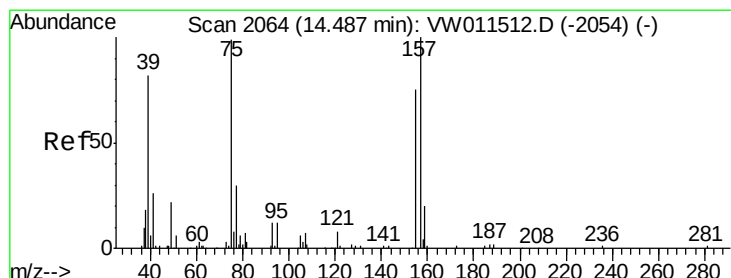
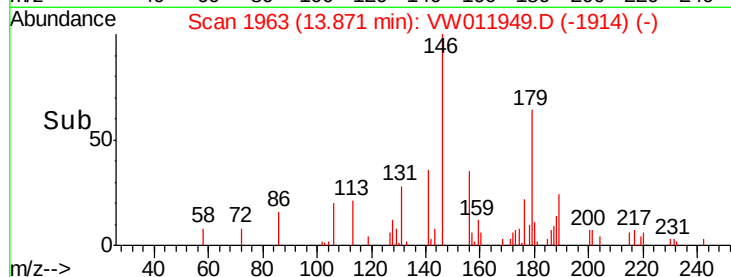
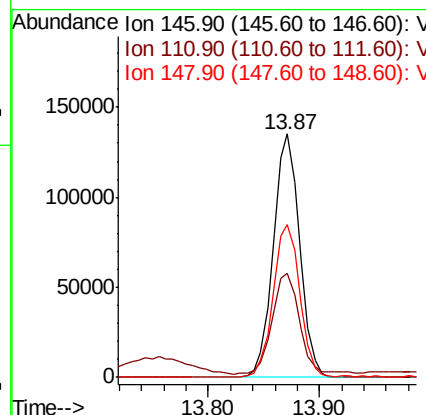
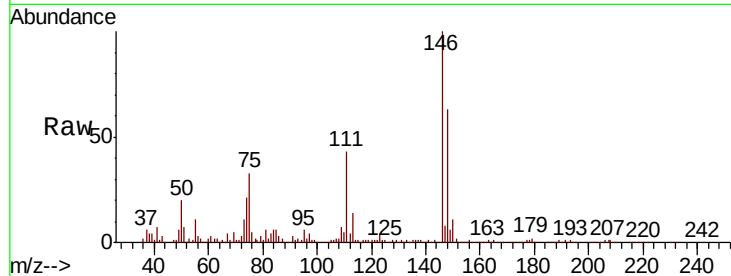




#91
 1,2-Dichlorobenzene
 Concen: 49.023 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

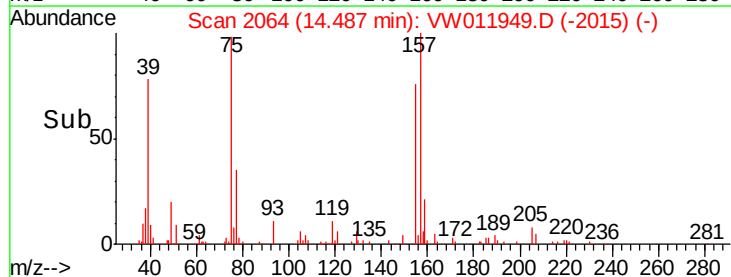
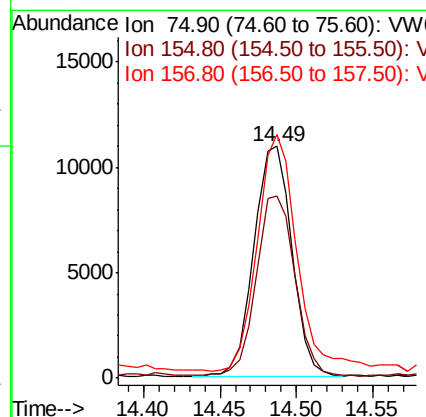
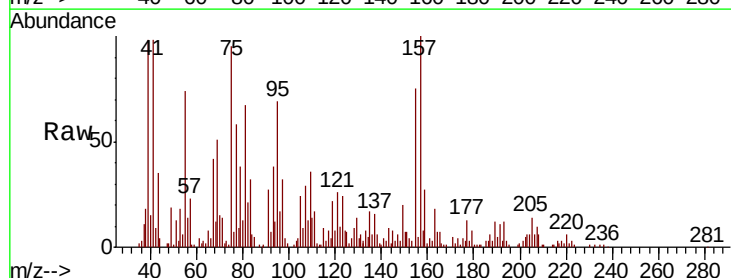
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

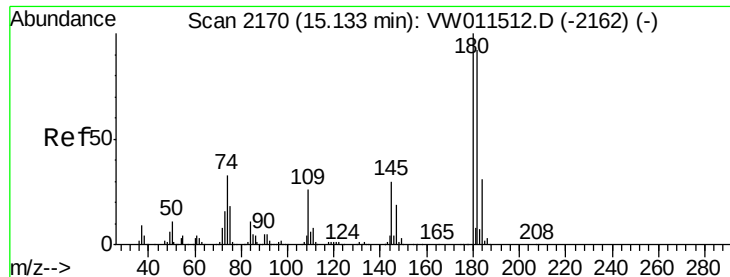
Tgt Ion:146 Resp: 220873
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.6 65.0
 148 63.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.257 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion: 75 Resp: 18948
 Ion Ratio Lower Upper
 75 100
 155 80.1 38.2 114.6
 157 109.9 48.9 146.7

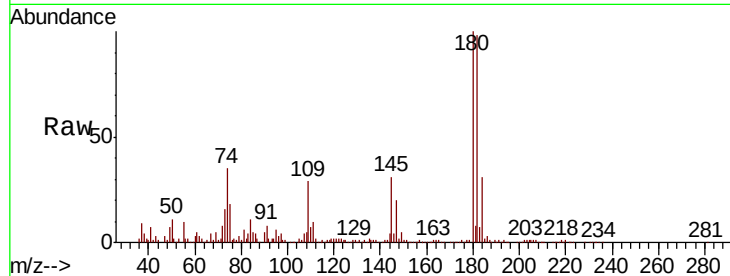




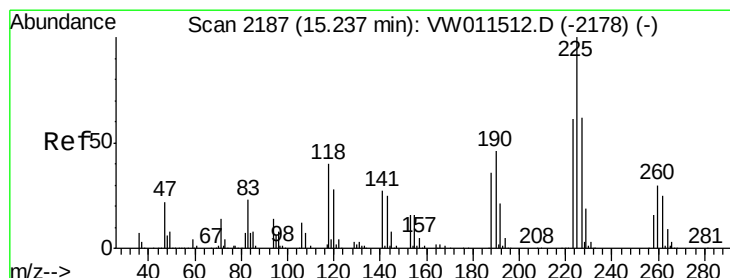
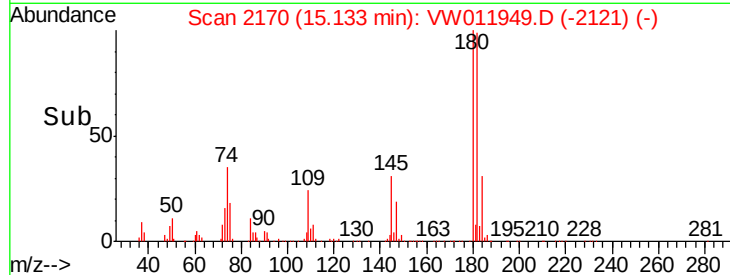
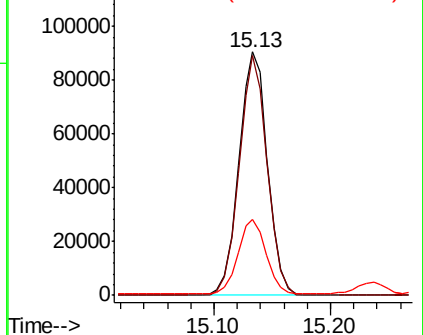
#93
 1,2,4-Trichlorobenzene
 Concen: 48.410 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 153720
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.4 142.2
 145 30.2 15.4 46.1

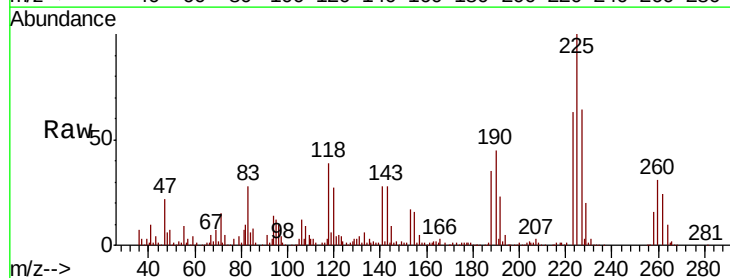


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

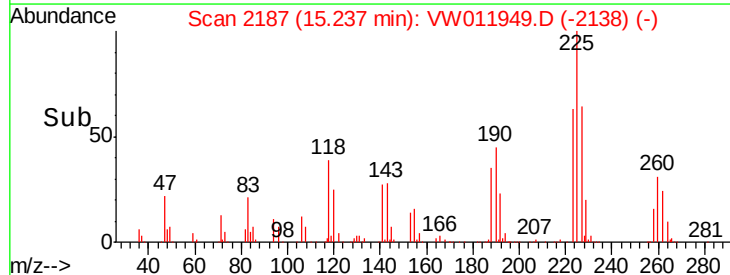
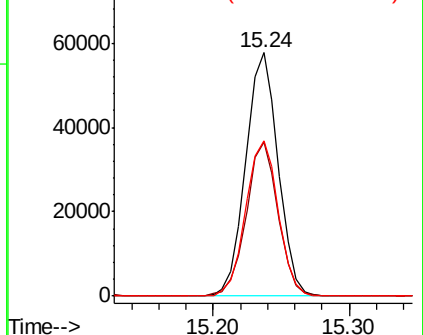


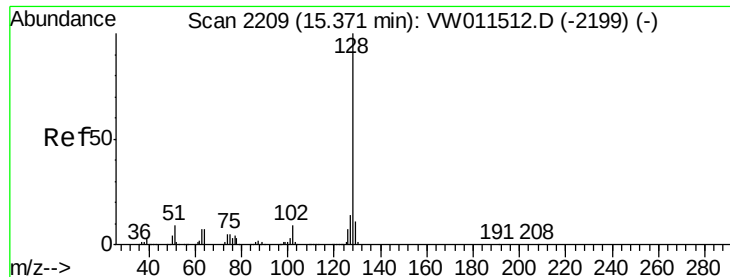
#94
 Hexachlorobutadiene
 Concen: 48.624 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion:225 Resp: 96287
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.8 92.3
 227 64.5 31.6 94.7



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

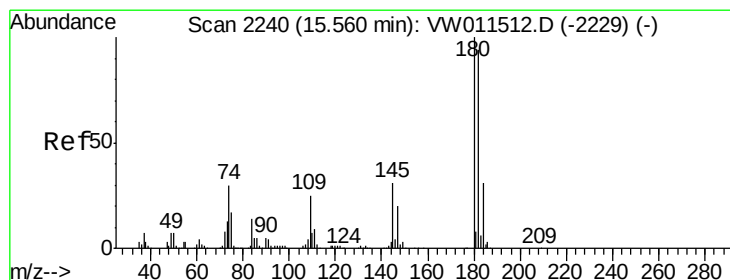
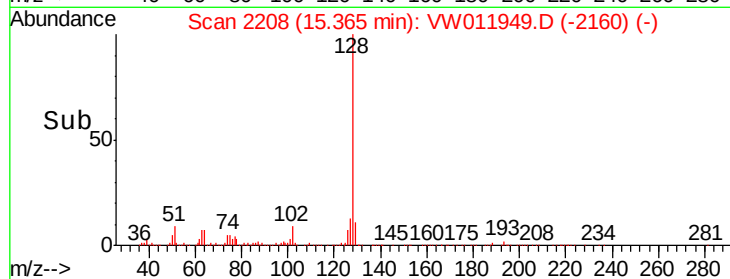
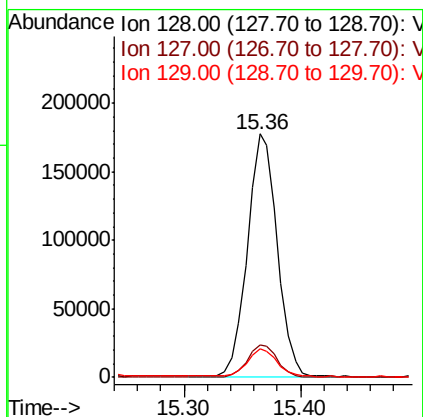
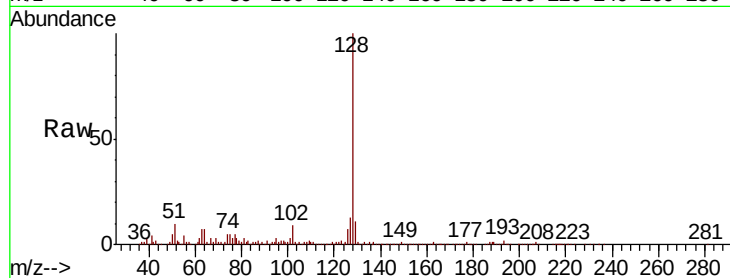




#95
Naphthalene
Concen: 50.458 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 313973
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.905 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion:180 Resp: 138904
Ion Ratio Lower Upper
180 100
182 94.7 47.4 142.2
145 33.9 15.9 47.7

