

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062220\
 Data File : VW015650.D
 Acq On : 22 Jun 2020 15:39
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 23 05:46:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 13:57:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173585	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	114137	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
35) Dibromofluoromethane	7.88	113	102762	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	10.33	98	421284	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.62	95	151483	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	72386	54.539	ug/l	94
3) Chloromethane	2.21	50	78162	47.916	ug/l	98
4) Vinyl Chloride	2.37	62	134641	52.961	ug/l	99
5) Bromomethane	2.78	94	92659	51.699	ug/l	95
6) Chloroethane	2.92	64	86506	52.566	ug/l	96
7) Trichlorofluoromethane	3.26	101	108743	57.318	ug/l	100
8) Diethyl Ether	3.68	74	56519	49.121	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	118120	51.174	ug/l	98
10) Methyl Iodide	4.27	142	166037	48.718	ug/l	100
11) Tert butyl alcohol	5.20	59	37370	218.478	ug/l	100
12) 1,1-Dichloroethene	4.04	96	116268	50.614	ug/l	98
13) Acrolein	3.89	56	40097	261.581	ug/l	100
14) Allyl chloride	4.67	41	191377	48.980	ug/l	99
15) Acrylonitrile	5.37	53	119266	250.684	ug/l	99
16) Acetone	4.13	43	143325	253.699	ug/l	96
17) Carbon Disulfide	4.38	76	338365	49.318	ug/l	100
18) Methyl Acetate	4.67	43	53165	47.210	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	178377	50.037	ug/l	99
20) Methylene Chloride	4.91	84	126591	48.162	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	130689	50.283	ug/l	97
22) Diisopropyl ether	6.31	45	375284	50.828	ug/l	99
23) Vinyl Acetate	6.26	43	1133295	258.881	ug/l	100
24) 1,1-Dichloroethane	6.22	63	230421	49.530	ug/l	100
25) 2-Butanone	7.17	43	174110	258.336	ug/l	100
26) 2,2-Dichloropropane	7.17	77	155598	47.621	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	141262	49.965	ug/l	98
28) Bromochloromethane	7.51	49	80308	45.997	ug/l	100
29) Tetrahydrofuran	7.54	42	100179	250.719	ug/l	99
30) Chloroform	7.68	83	235111	50.344	ug/l	100
31) Cyclohexane	7.96	56	217247	47.820	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	205179	50.868	ug/l	99
36) 1,1-Dichloropropene	8.09	75	196062	52.679	ug/l	99
37) Ethyl Acetate	7.25	43	74235	51.393	ug/l	100
38) Carbon Tetrachloride	8.07	117	192896	52.935	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	241680	52.655	ug/l	98
40) Benzene	8.32	78	520323	51.807	ug/l	100
41) Methacrylonitrile	7.48	41	45717	55.102	ug/l	96
42) 1,2-Dichloroethane	8.40	62	160650	52.407	ug/l	100
43) Isopropyl Acetate	8.43	43	149641	52.148	ug/l	99
44) Trichloroethene	9.09	130	142189	53.054	ug/l	99
45) 1,2-Dichloropropane	9.37	63	126164	51.495	ug/l	97
46) Dibromomethane	9.46	93	65305	52.213	ug/l	99
47) Bromodichloromethane	9.65	83	174159	51.458	ug/l	99
48) Methyl methacrylate	9.44	41	69702	53.140	ug/l	99
49) 1,4-Dioxane	9.46	88	16982	811.117	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	369050	270.689	ug/l	100
52) Toluene	10.39	92	344634	53.196	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	175580	52.630	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	205178	52.192	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	93168	53.365	ug/l	99
56) Ethyl methacrylate	10.65	69	122119	53.775	ug/l	100
57) 1,3-Dichloropropane	10.93	76	163695	52.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	281936	259.655	ug/l	100
59) 2-Hexanone	10.97	43	263344	279.251	ug/l	99
60) Dibromochloromethane	11.13	129	111010	52.110	ug/l	98
61) 1,2-Dibromoethane	11.24	107	88637	53.050	ug/l	98
64) Tetrachloroethene	10.87	164	120587	53.226	ug/l	90
65) Chlorobenzene	11.66	112	359450	52.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	127525	51.771	ug/l	99
67) Ethyl Benzene	11.73	91	679489	52.394	ug/l	100
68) m/p-Xylenes	11.84	106	516815	106.654	ug/l	99
69) o-Xylene	12.17	106	239714	53.105	ug/l	99
70) Styrene	12.18	104	406042	52.666	ug/l	100
71) Bromoform	12.35	173	62470	52.763	ug/l #	98
73) Isopropylbenzene	12.47	105	670565	50.525	ug/l	99
74) N-amyl acetate	12.27	43	145887	51.210	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	106349	52.003	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	140238	95.805	ug/l #	100
77) Bromobenzene	12.75	156	144121	50.288	ug/l	99
78) n-propylbenzene	12.80	91	805735	50.814	ug/l	100
79) 2-Chlorotoluene	12.90	91	446933	49.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	559592	50.032	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	34442	50.682	ug/l	100
82) 4-Chlorotoluene	12.99	91	473876	50.997	ug/l	99
83) tert-Butylbenzene	13.21	119	482226	50.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	564135	50.472	ug/l	100
85) sec-Butylbenzene	13.38	105	687276	51.020	ug/l	100
86) p-Isopropyltoluene	13.50	119	629939	51.053	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	292528	51.451	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	287470	50.750	ug/l	99
89) n-Butylbenzene	13.82	91	604619	51.047	ug/l	99
90) Hexachloroethane	14.10	117	112160	49.415	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	250017	50.365	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16966	48.120	ug/l	98

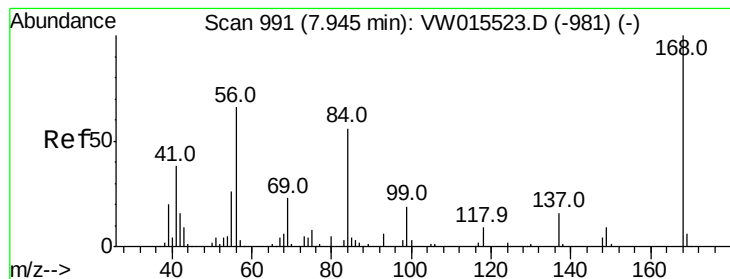
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062220\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	166895	48.942	ug/l	97
94) Hexachlorobutadiene	15.24	225	99988	48.082	ug/l	100
95) Naphthalene	15.37	128	290136	50.307	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	141485	49.255	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

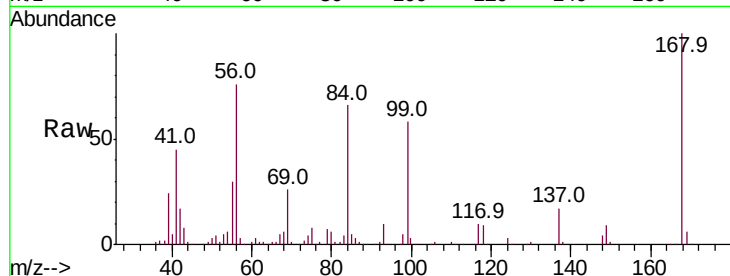
VSTDCCC050EC

Tot Ion:168 Resp: 237585

Ion Ratio Lower Upper

168 100

99 57.8 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

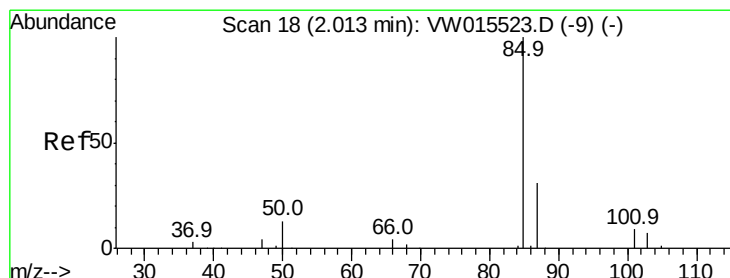
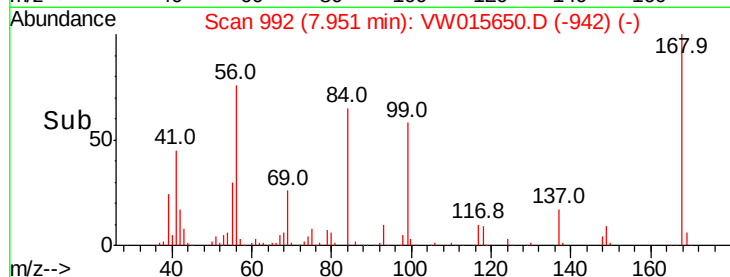
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 54.539 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015650.D

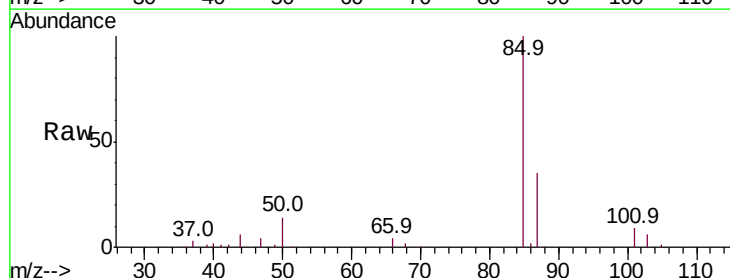
Acq: 22 Jun 2020 15:39

Tgt Ion: 85 Resp: 72386

Ion Ratio Lower Upper

85 100

87 34.5 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

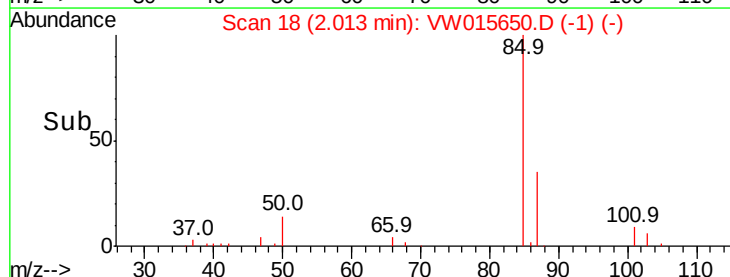
15000

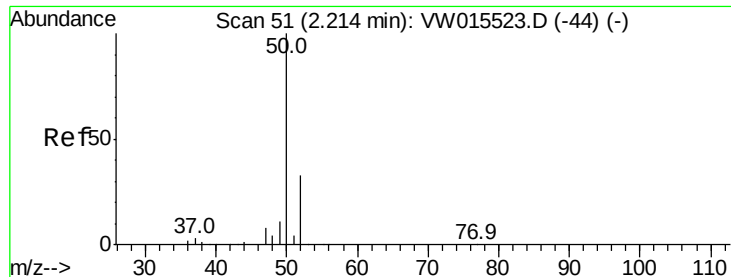
10000

5000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 47.916 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

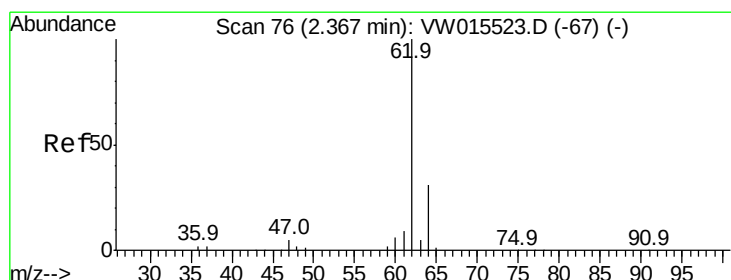
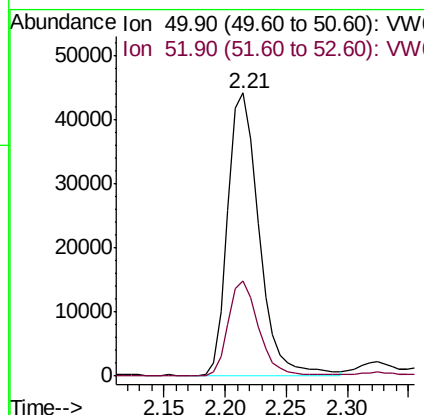
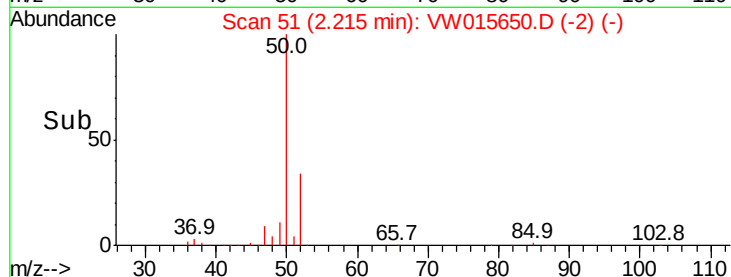
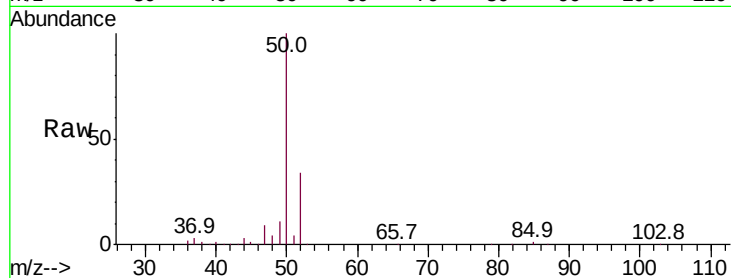
VSTDCCC050EC

Tot Ion: 50 Resp: 78162

Ion Ratio Lower Upper

50 100

52 33.7 26.0 39.0



#4

Vinyl Chloride

Concen: 52.961 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015650.D

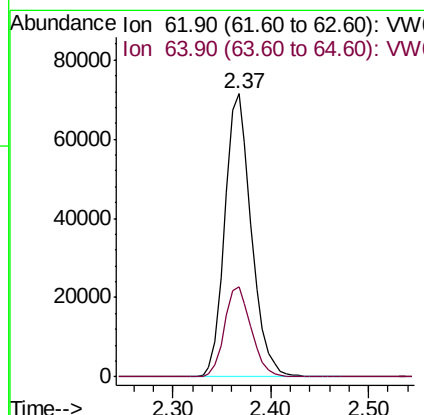
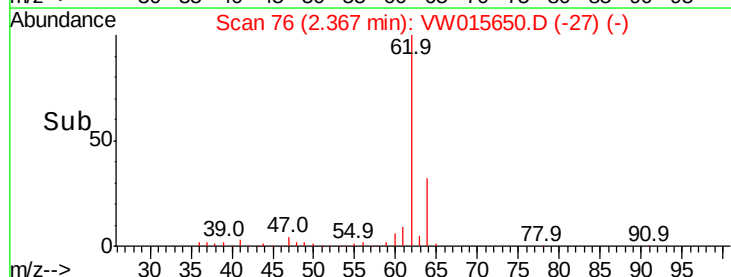
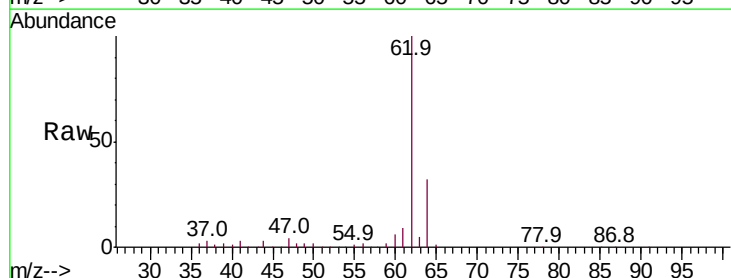
Acq: 22 Jun 2020 15:39

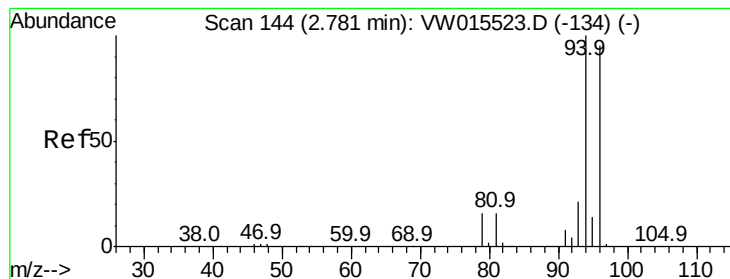
Tgt Ion: 62 Resp: 134641

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 51.699 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

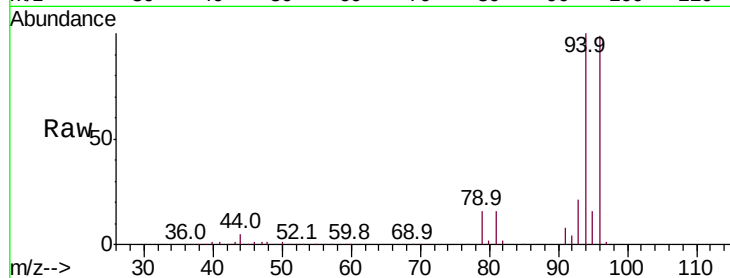
VSTDCCC050EC

Tot Ion: 94 Resp: 92659

Ion Ratio Lower Upper

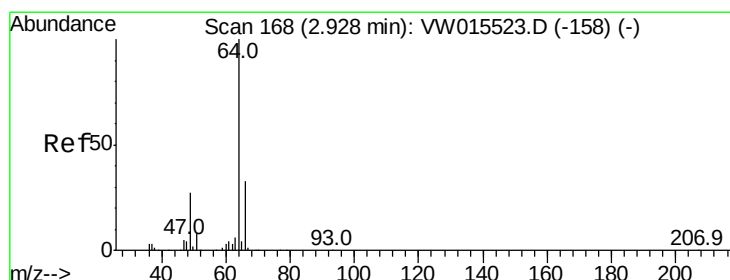
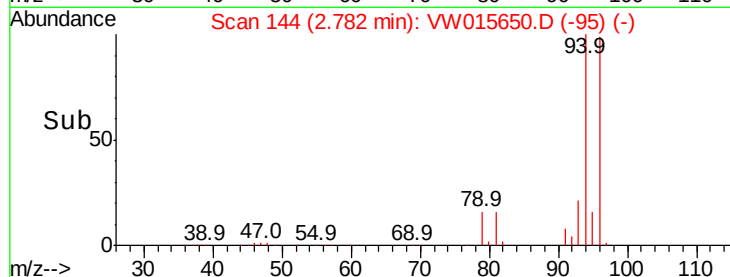
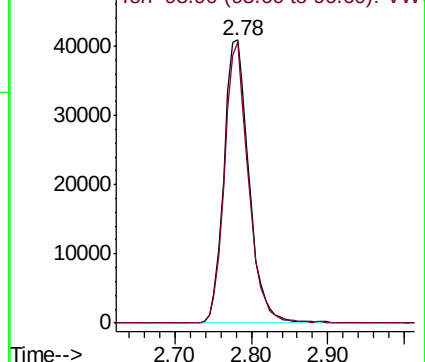
94 100

96 99.4 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 52.566 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015650.D

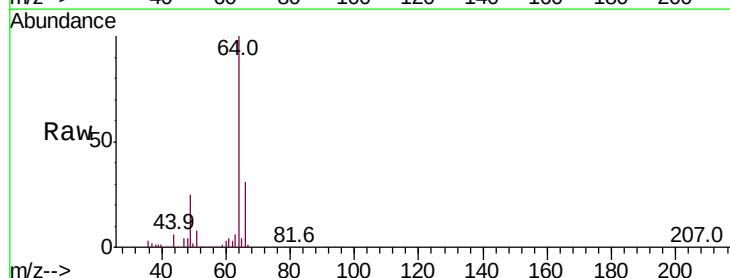
Acq: 22 Jun 2020 15:39

Tgt Ion: 64 Resp: 86506

Ion Ratio Lower Upper

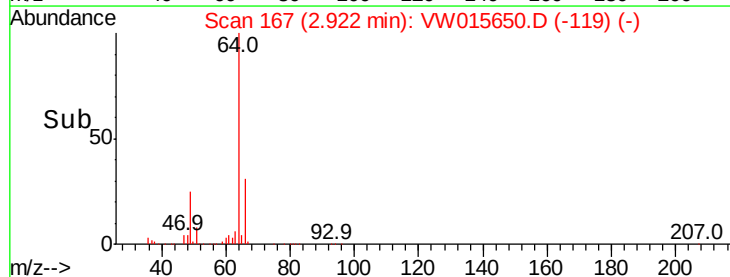
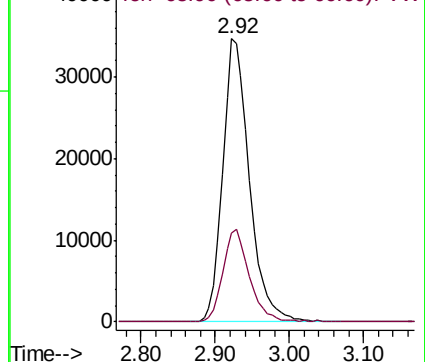
64 100

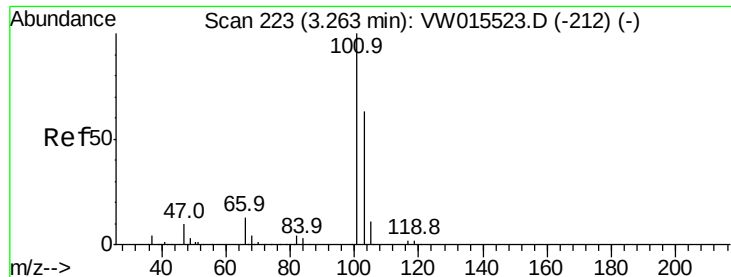
66 31.2 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



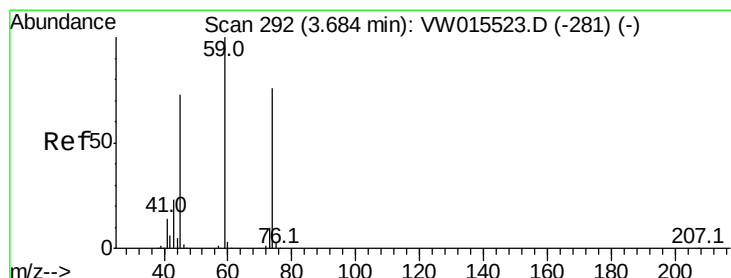
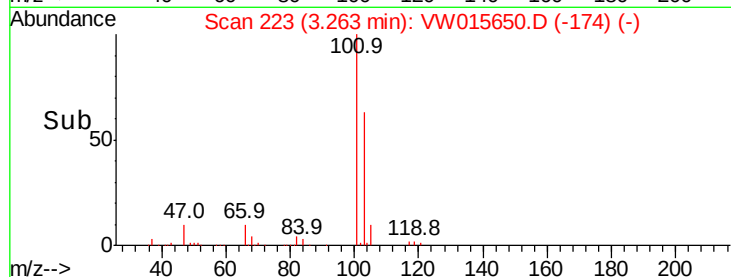
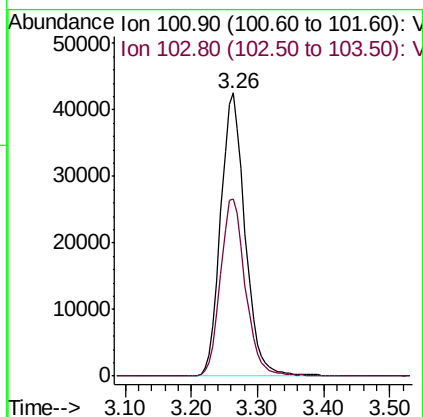
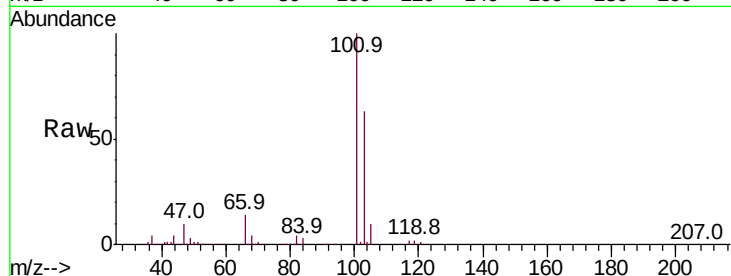


#7

Trichlorofluoromethane
 Concen: 57.318 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Instrument :
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 VSTDCCC050EC

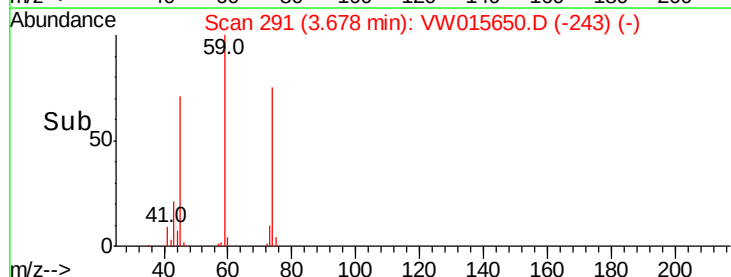
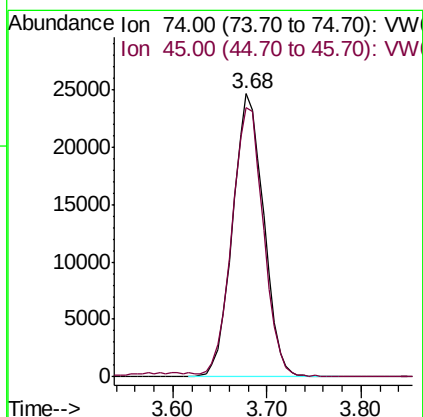
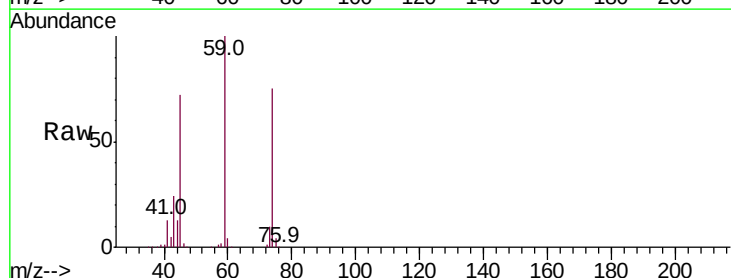
Tot Ion:101 Resp: 108743
 Ion Ratio Lower Upper
 101 100
 103 62.7 50.2 75.2

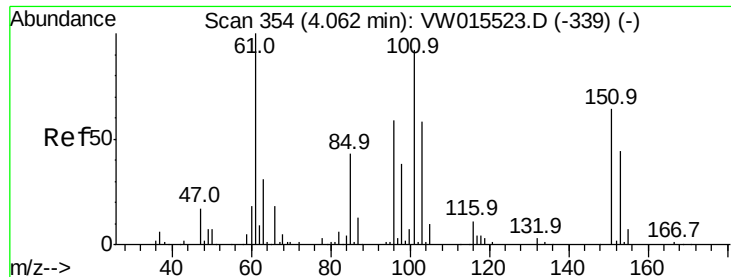


#8

Diethyl Ether
 Concen: 49.121 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion: 74 Resp: 56519
 Ion Ratio Lower Upper
 74 100
 45 96.3 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.174 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

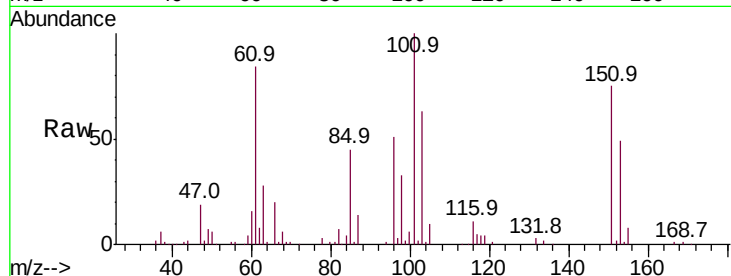
Tot Ion:101 Resp: 118120

Ion Ratio Lower Upper

101 100

85 45.1 37.0 55.6

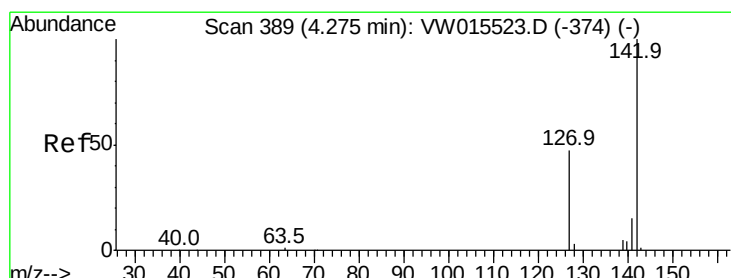
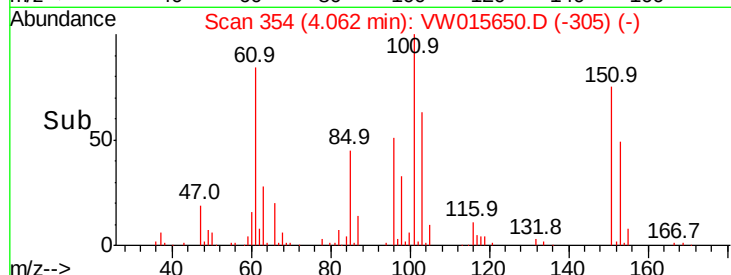
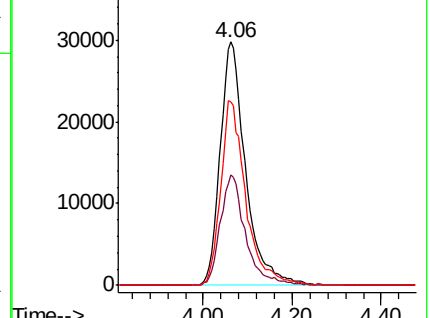
151 75.1 61.1 91.7



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: 48.718 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

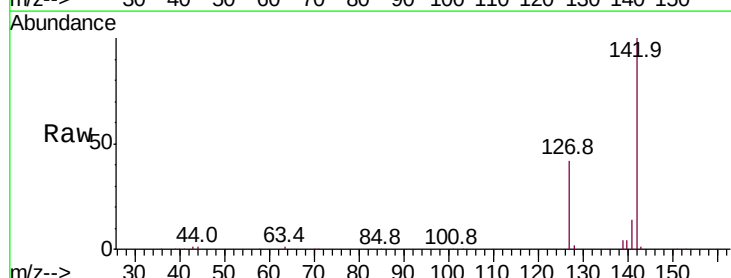
Tgt Ion:142 Resp: 166037

Ion Ratio Lower Upper

142 100

127 46.0 36.9 55.3

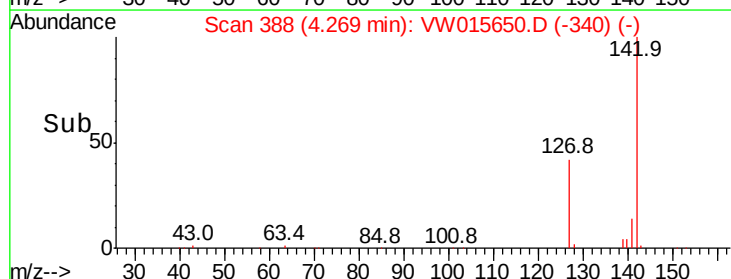
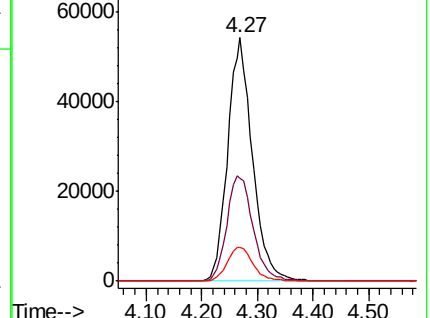
141 14.7 11.7 17.5

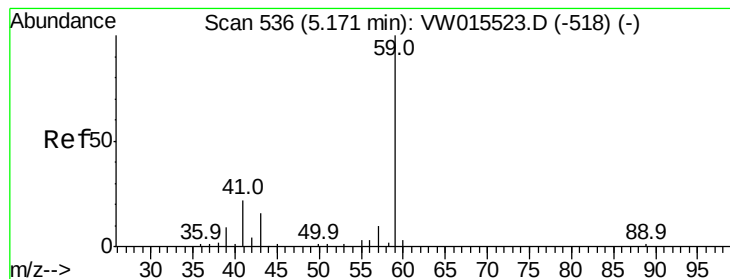


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



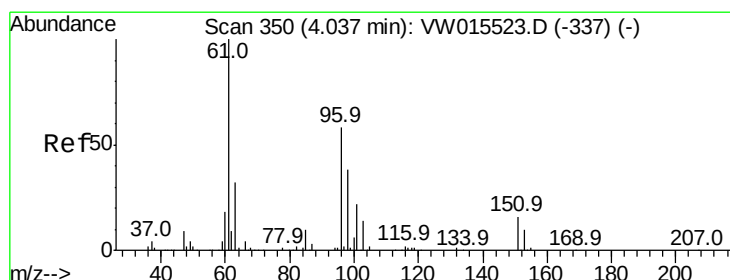
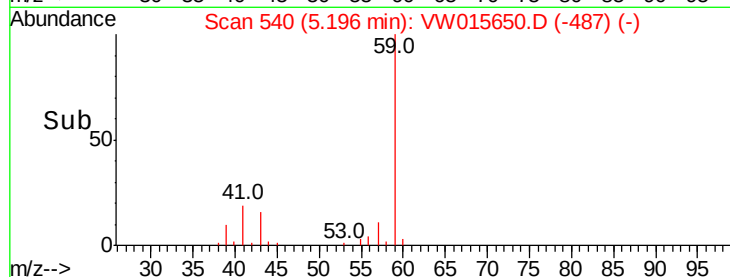
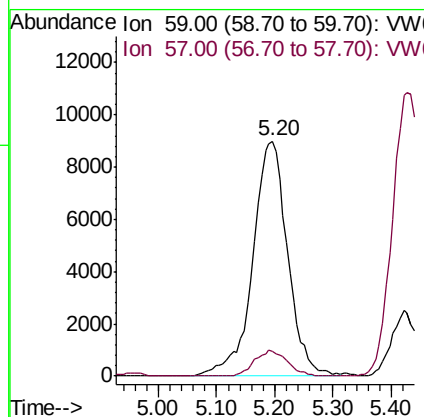
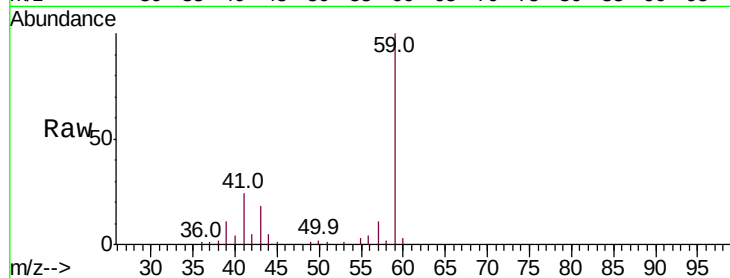


#11

Tert butyl alcohol
 Concen: 218.478 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

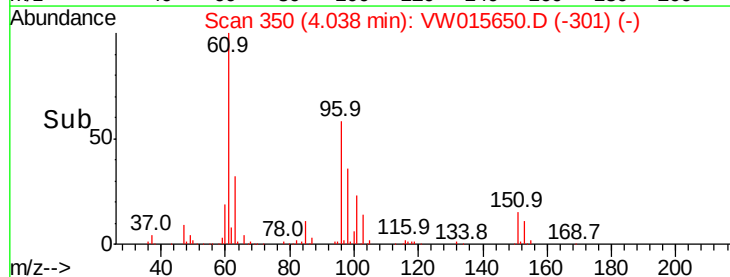
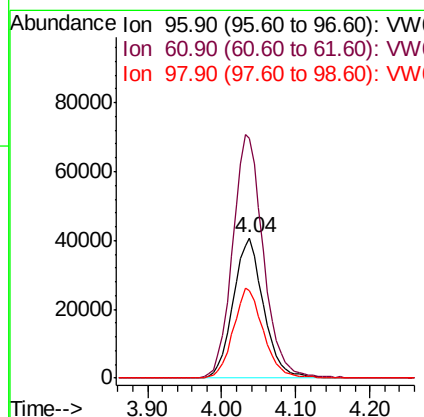
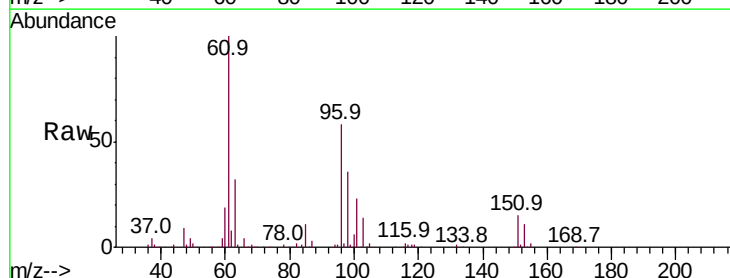
Tot Ion: 59 Resp: 37370
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

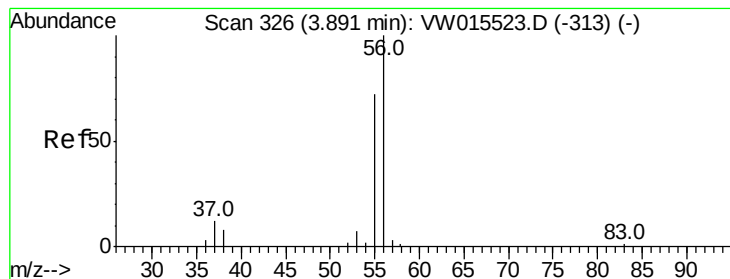


#12

1,1-Dichloroethene
 Concen: 50.614 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion: 96 Resp: 116268
 Ion Ratio Lower Upper
 96 100
 61 171.3 138.3 207.5
 98 62.1 52.2 78.4





#13

Acrolein

Concen: 261.581 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

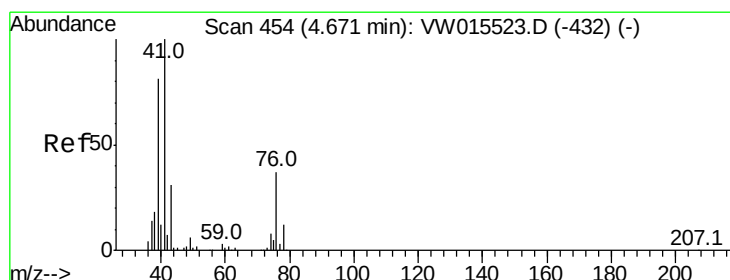
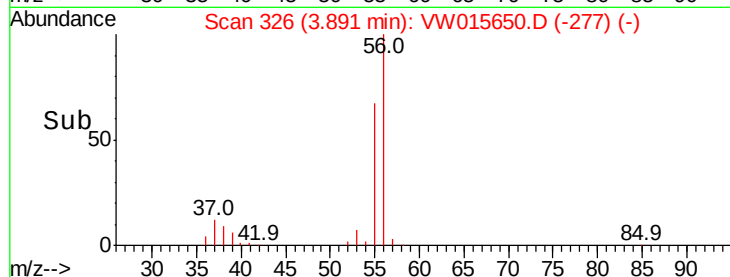
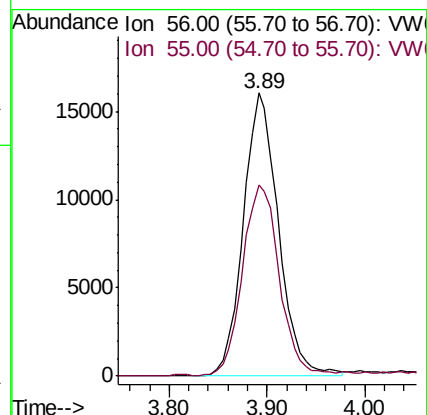
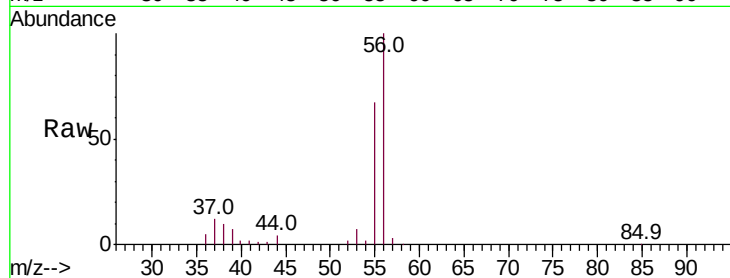
VSTDCCC050EC

Tot Ion: 56 Resp: 40097

Ion Ratio Lower Upper

56 100

55 70.2 56.5 84.7



#14

Allyl chloride

Concen: 48.980 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

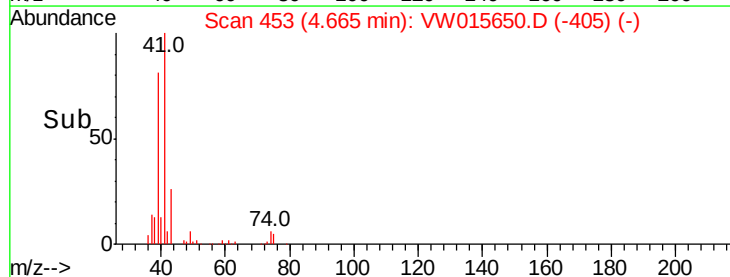
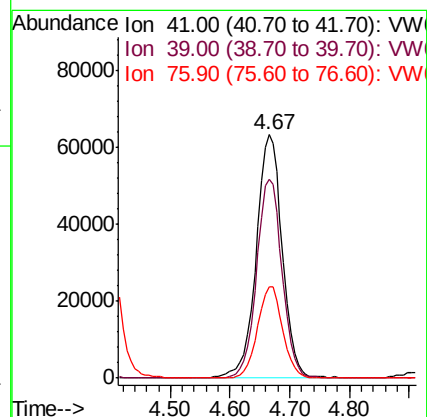
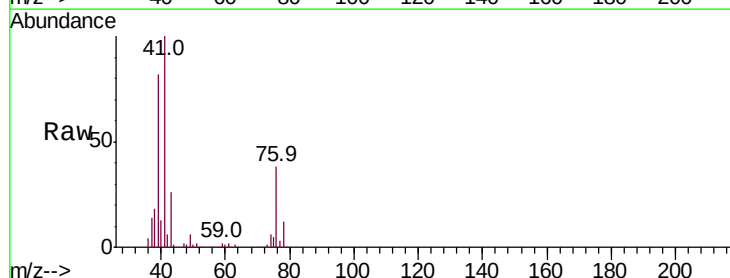
Tgt Ion: 41 Resp: 191377

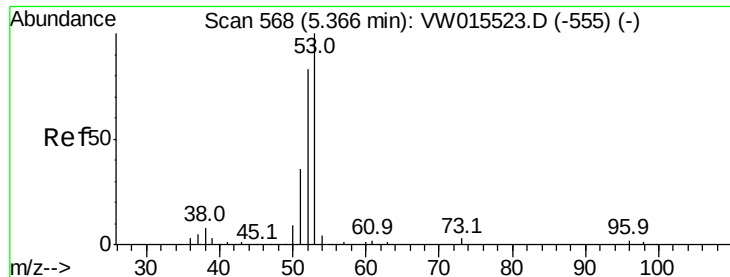
Ion Ratio Lower Upper

41 100

39 80.2 63.1 94.7

76 36.1 28.6 43.0





#15

Acrylonitrile

Concen: 250.684 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

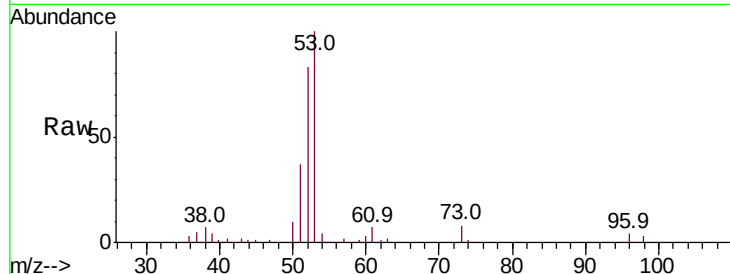
Tot Ion: 53 Resp: 119266

Ion Ratio Lower Upper

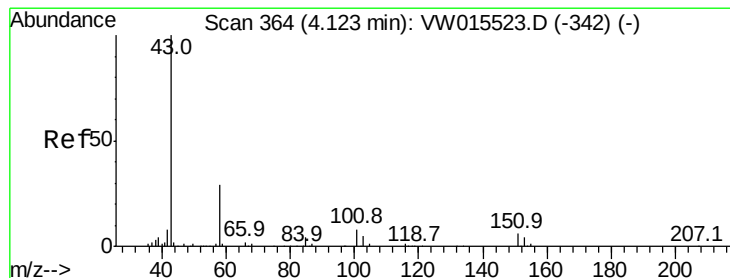
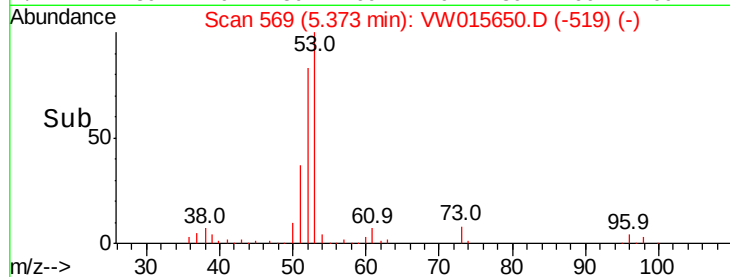
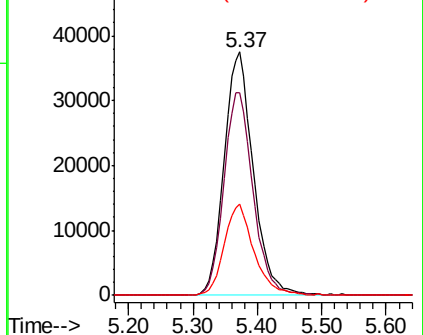
53 100

52 83.5 66.1 99.1

51 38.2 30.2 45.4



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: 253.699 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015650.D

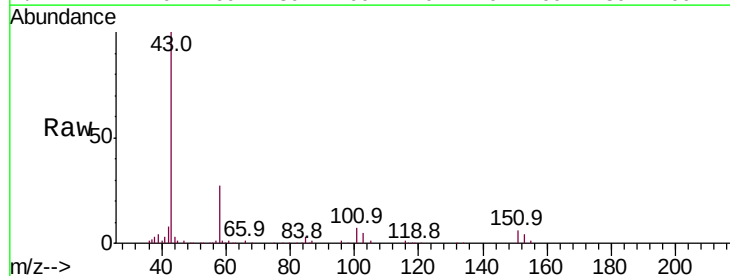
Acq: 22 Jun 2020 15:39

Tgt Ion: 43 Resp: 143325

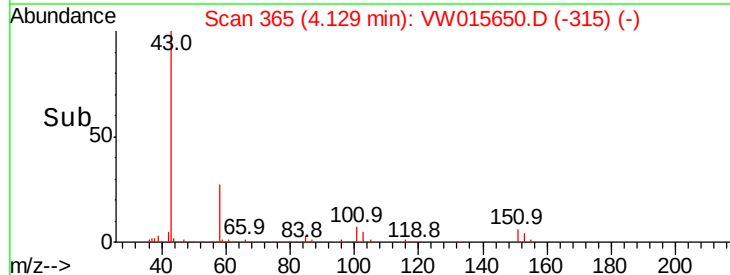
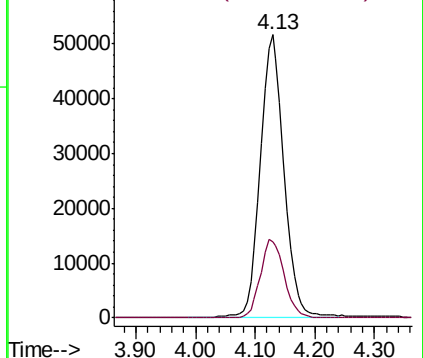
Ion Ratio Lower Upper

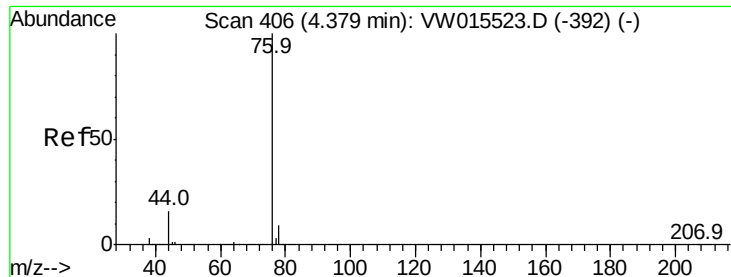
43 100

58 27.0 23.1 34.7



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





#17

Carbon Disulfide

Concen: 49.318 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

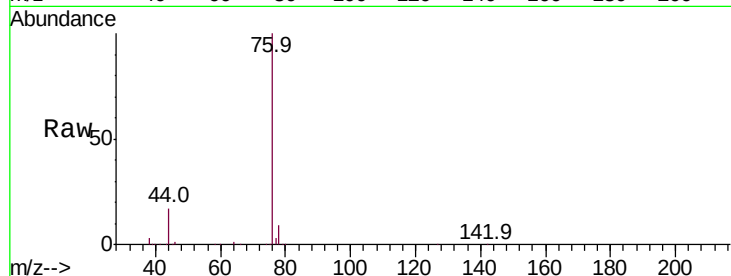
VSTDCCC050EC

Tot Ion: 76 Resp: 338365

Ion Ratio Lower Upper

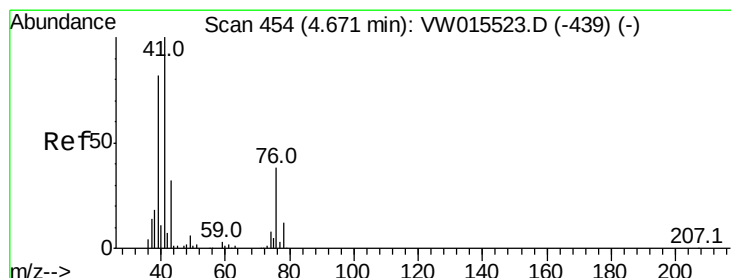
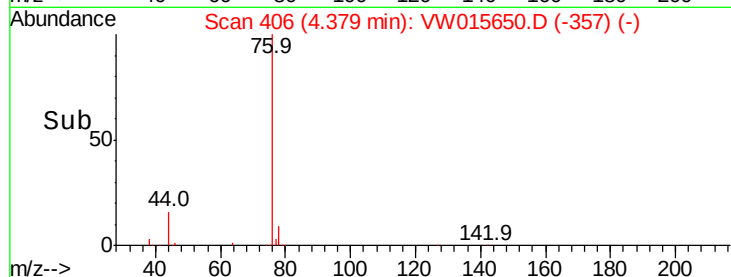
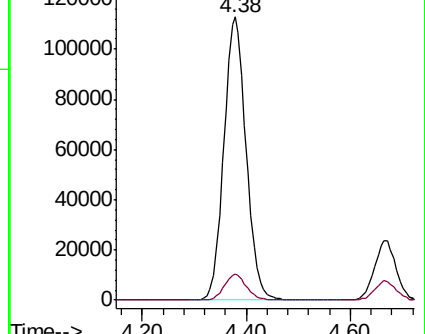
76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 47.210 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015650.D

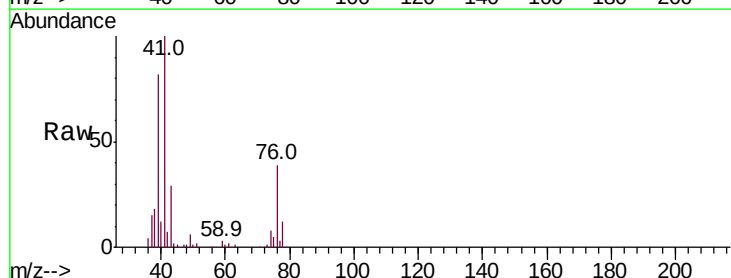
Acq: 22 Jun 2020 15:39

Tgt Ion: 43 Resp: 53165

Ion Ratio Lower Upper

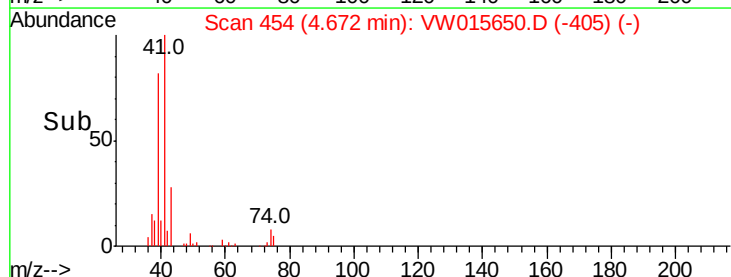
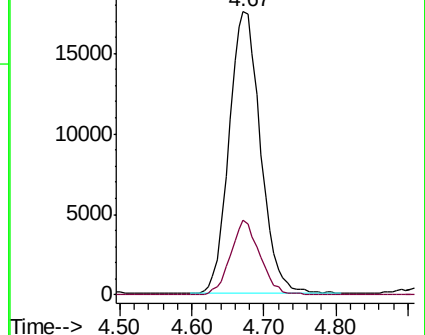
43 100

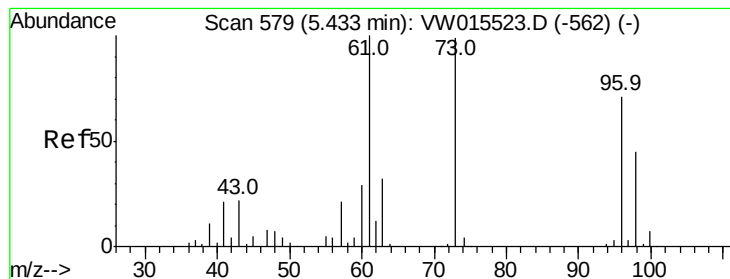
74 24.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



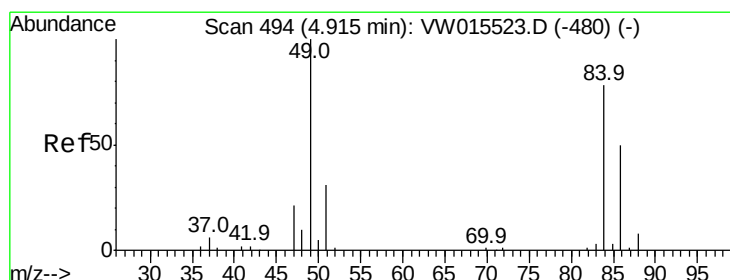
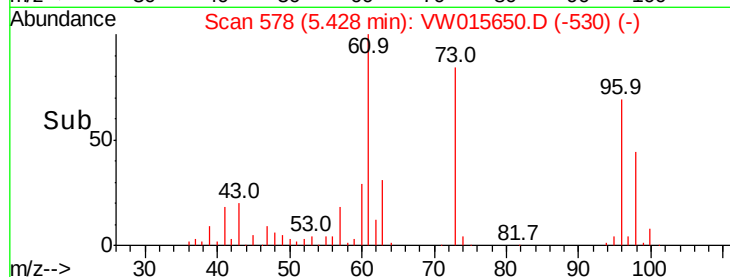
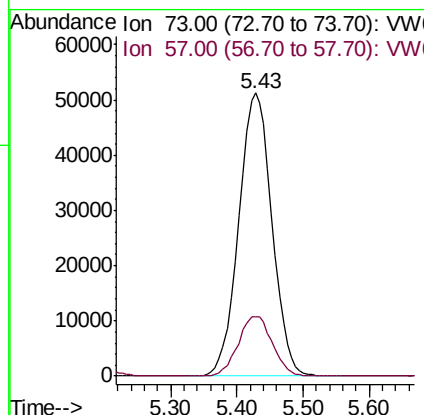
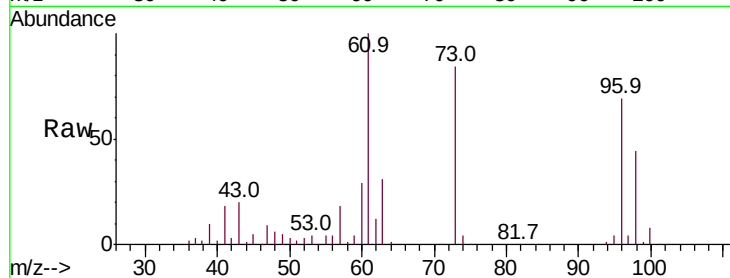


#19

Methyl tert-butyl Ether
 Concen: 50.037 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

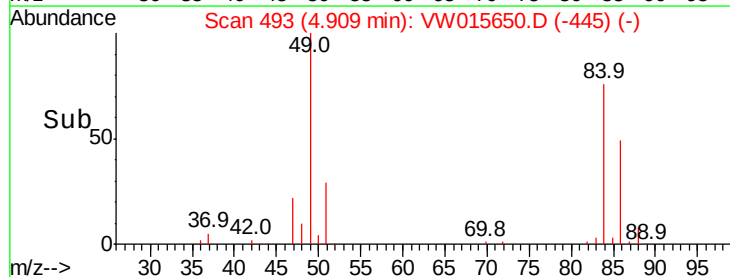
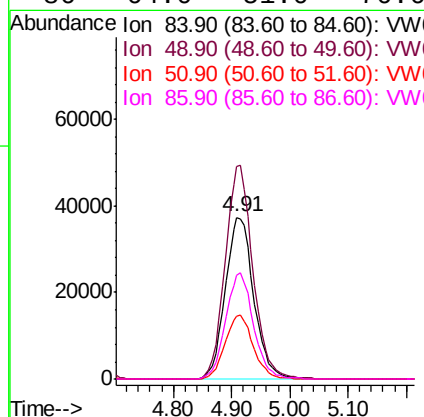
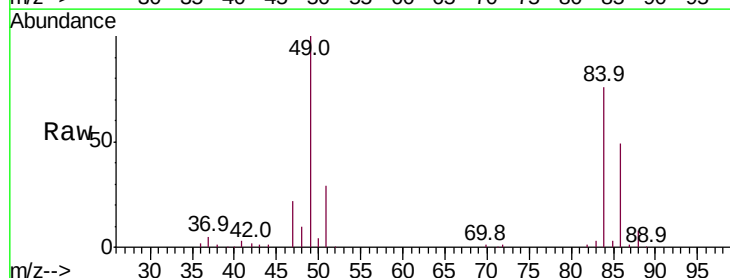
Tot Ion: 73 Resp: 178377
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.1 25.7

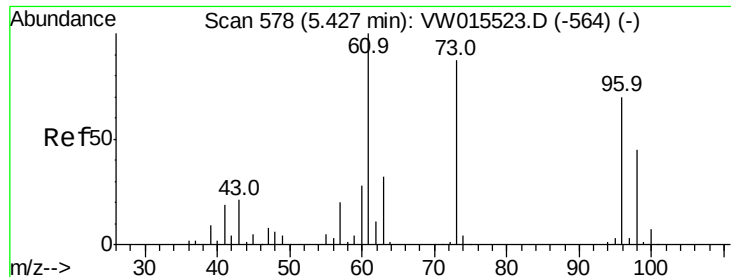


#20

Methylene Chloride
 Concen: 48.162 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion: 84 Resp: 126591
 Ion Ratio Lower Upper
 84 100
 49 131.6 102.8 154.2
 51 38.8 31.4 47.2
 86 64.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.283 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

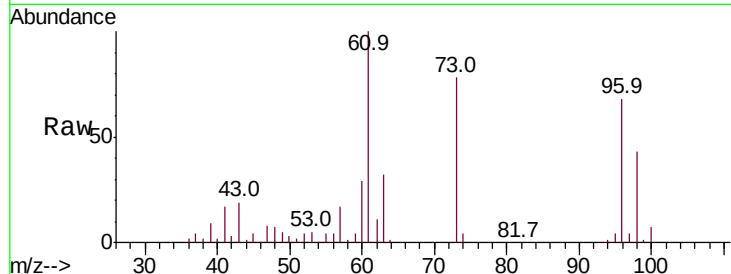
Tot Ion: 96 Resp: 130689

Ion Ratio Lower Upper

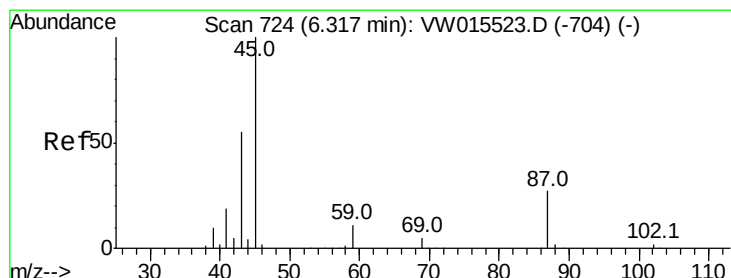
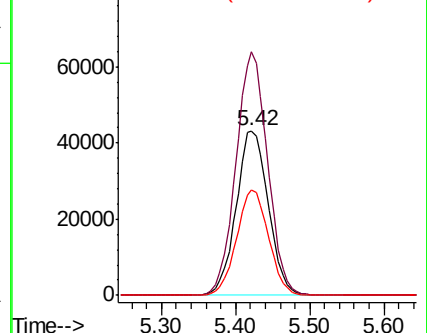
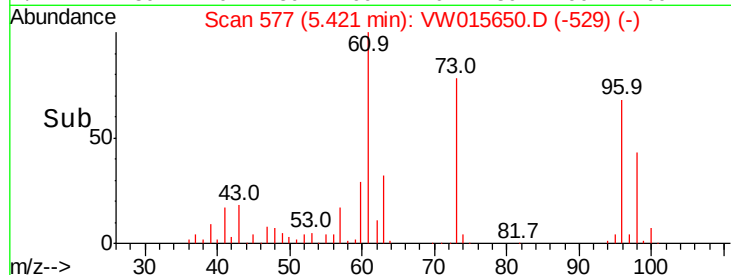
96 100

61 147.8 114.3 171.5

98 64.2 51.0 76.4



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: 50.828 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Tgt Ion: 45 Resp: 375284

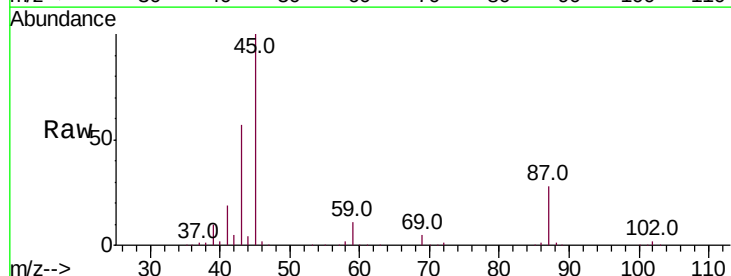
Ion Ratio Lower Upper

45 100

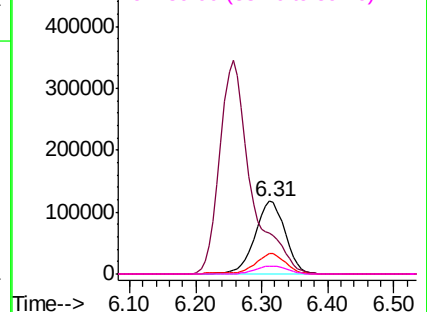
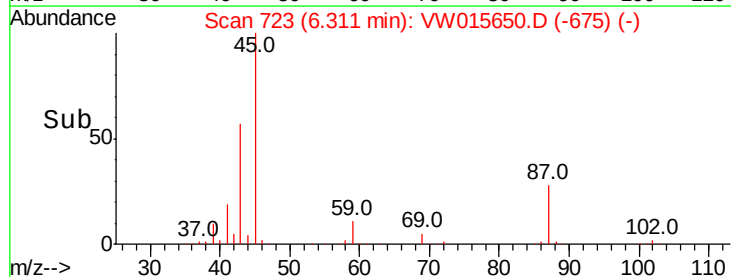
43 56.1 44.1 66.1

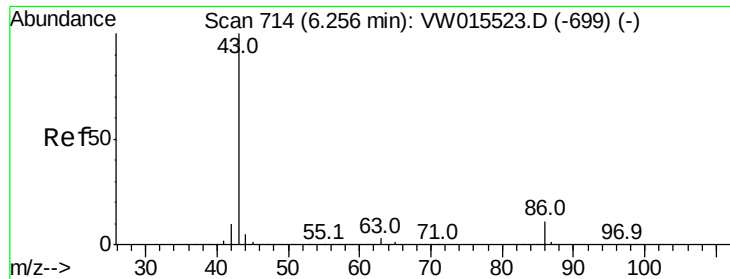
87 27.8 21.8 32.8

59 10.8 9.0 13.6



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: 258.881 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

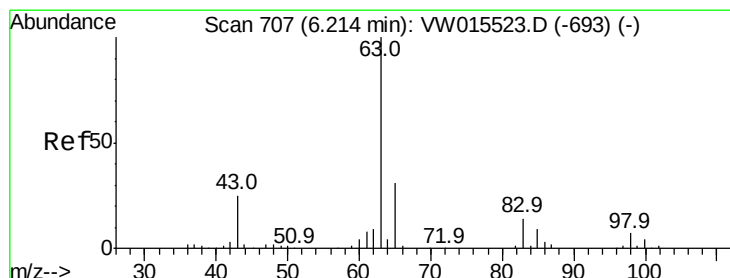
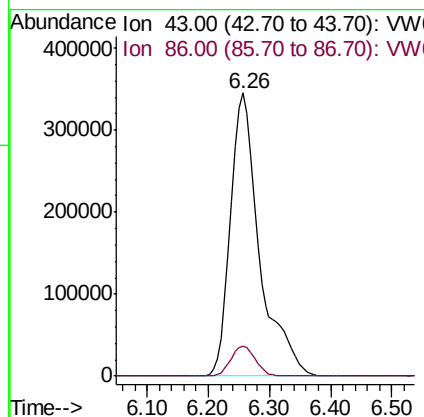
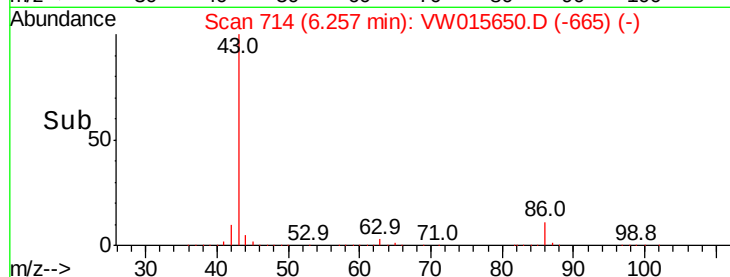
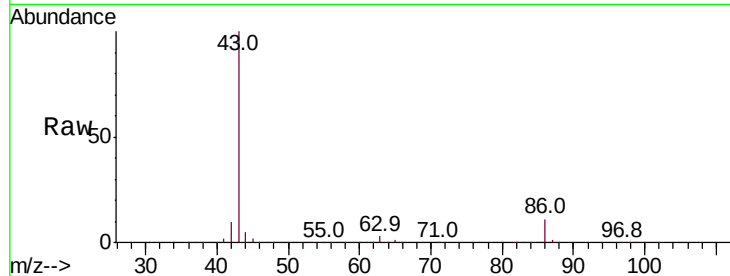
VSTDCCC050EC

Tot Ion: 43 Resp: 1133295

Ion Ratio Lower Upper

43 100

86 10.7 8.6 12.8



#24

1,1-Dichloroethane

Concen: 49.530 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

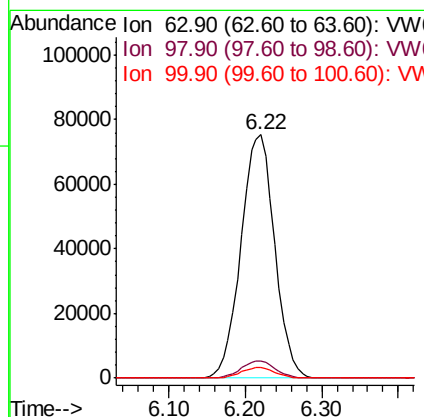
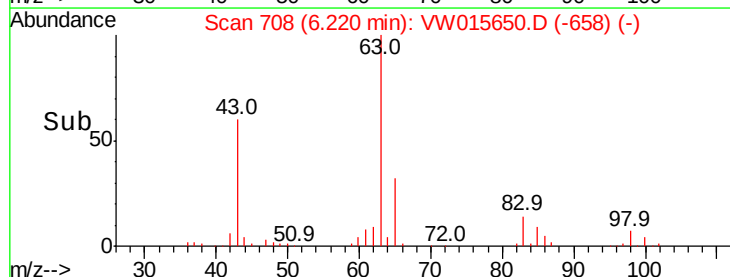
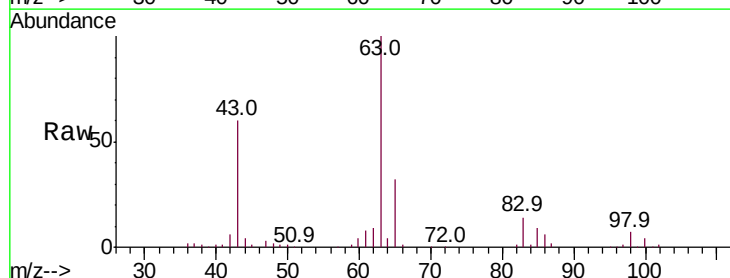
Tgt Ion: 63 Resp: 230421

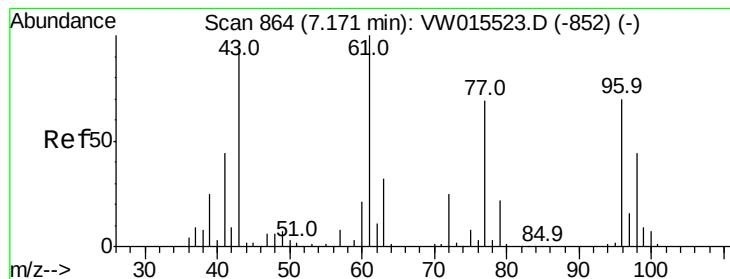
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 258.336 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

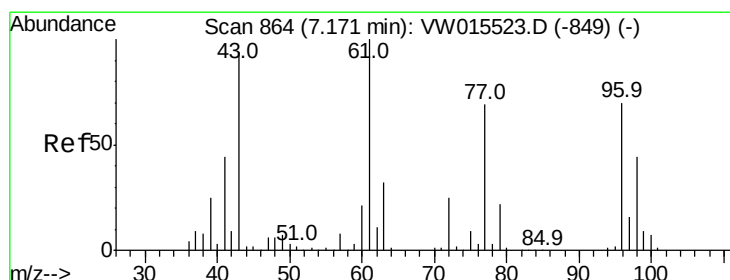
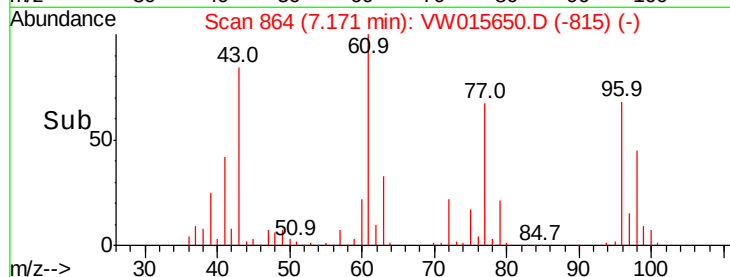
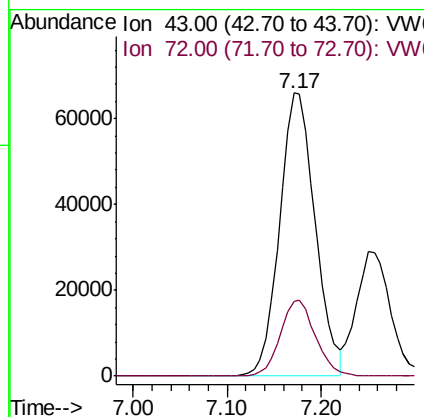
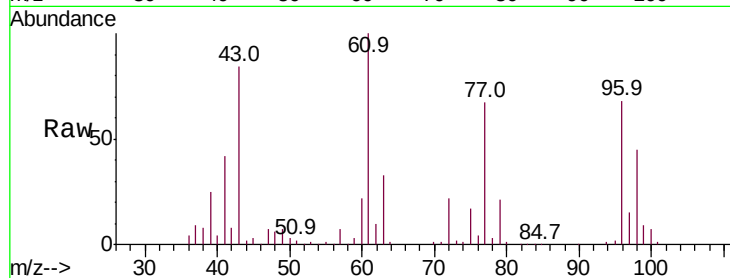
VSTDCCC050EC

Tot Ion: 43 Resp: 174110

Ion Ratio Lower Upper

43 100

72 26.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 47.621 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015650.D

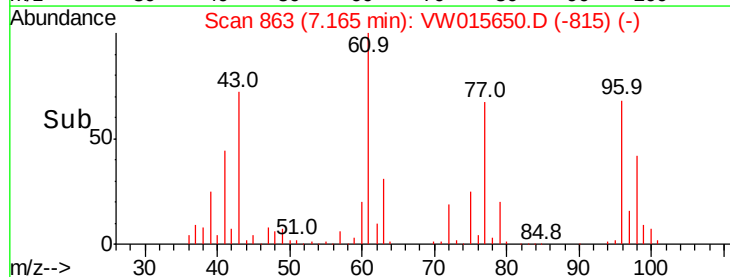
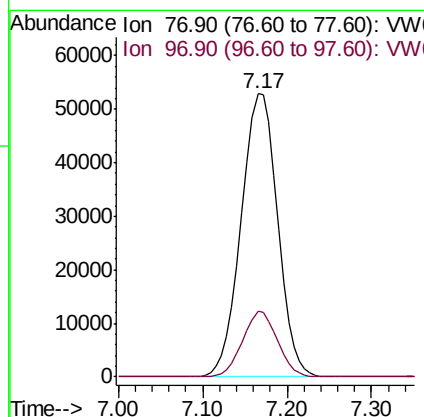
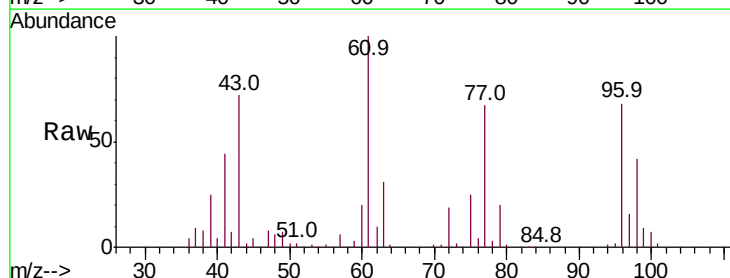
Acq: 22 Jun 2020 15:39

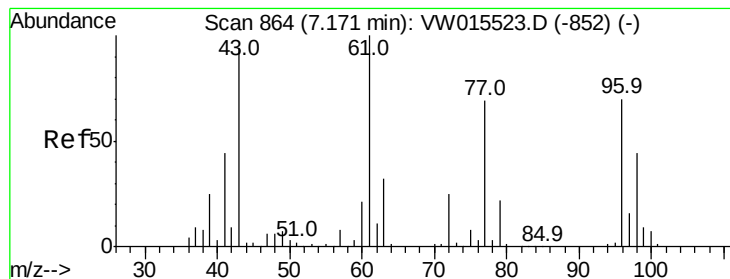
Tgt Ion: 77 Resp: 155598

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 49.965 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

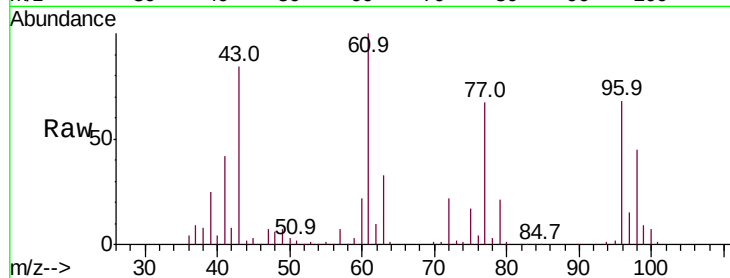
Tot Ion: 96 Resp: 141262

Ion Ratio Lower Upper

96 100

61 149.4 0.0 293.0

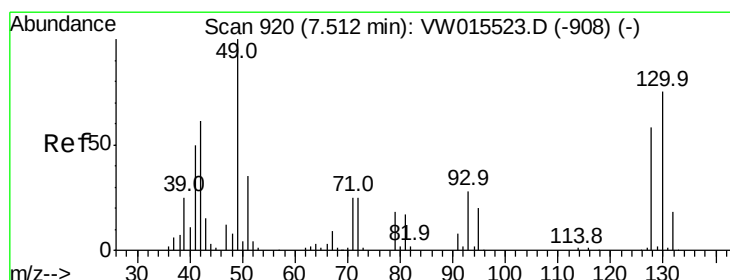
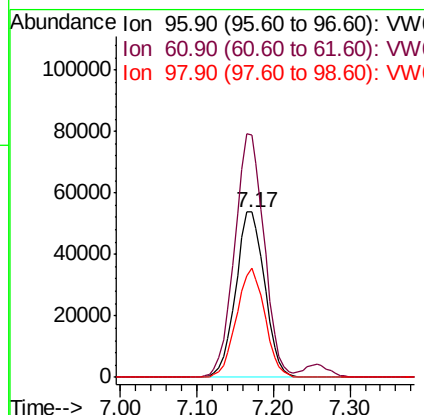
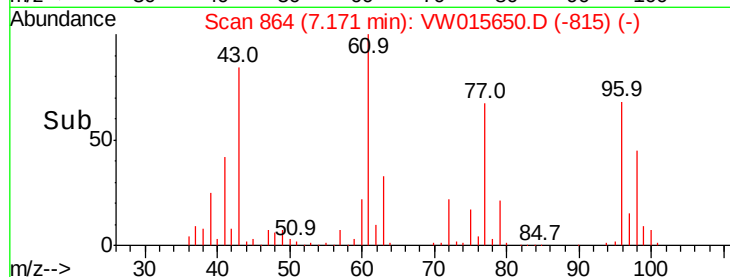
98 64.8 0.0 127.2



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: 45.997 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

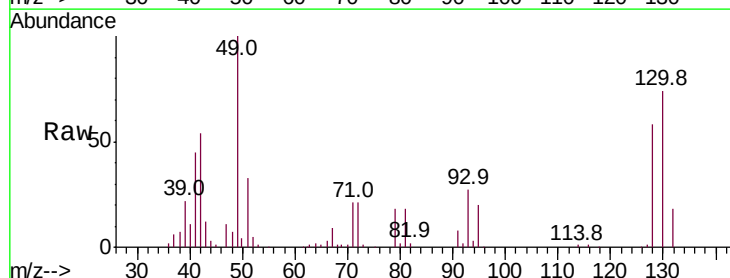
Tgt Ion: 49 Resp: 80308

Ion Ratio Lower Upper

49 100

129 0.7 0.0 2.0

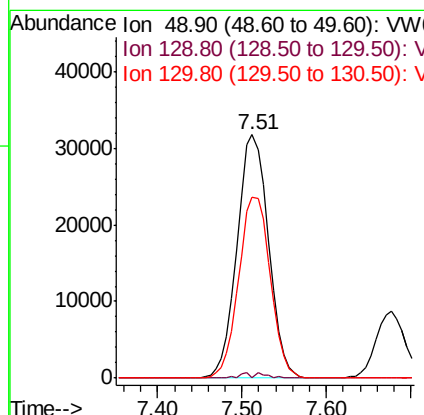
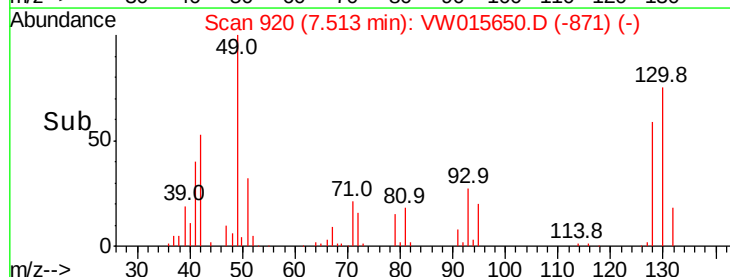
130 74.7 59.7 89.5

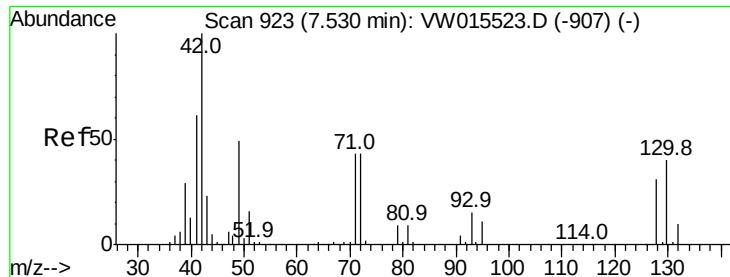


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

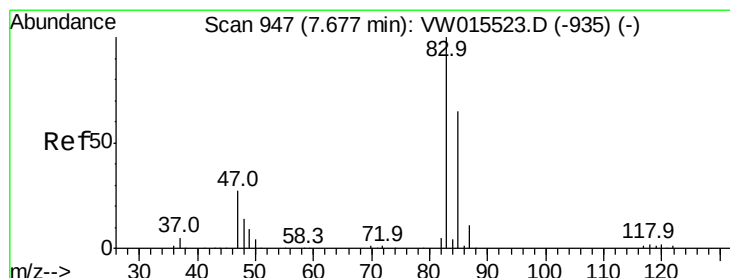
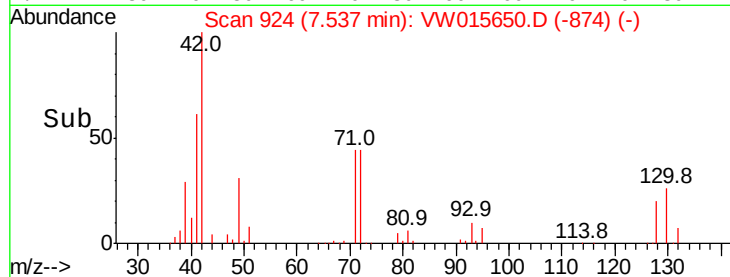
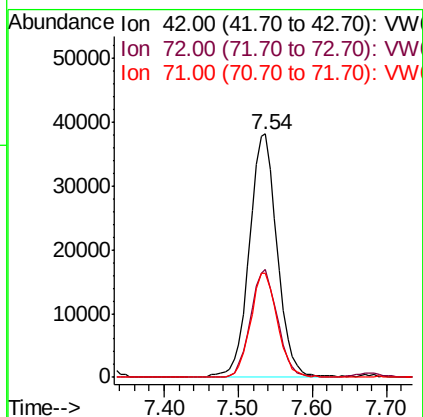
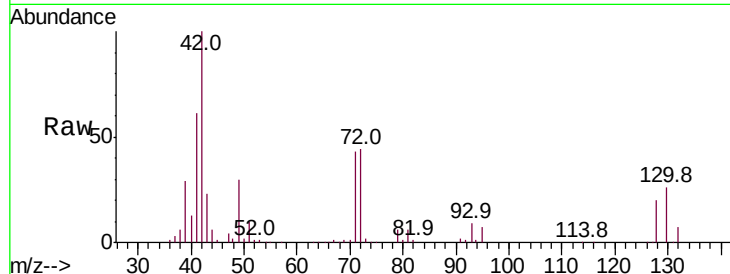




#29
Tetrahydrofuran
Concen: 250.719 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

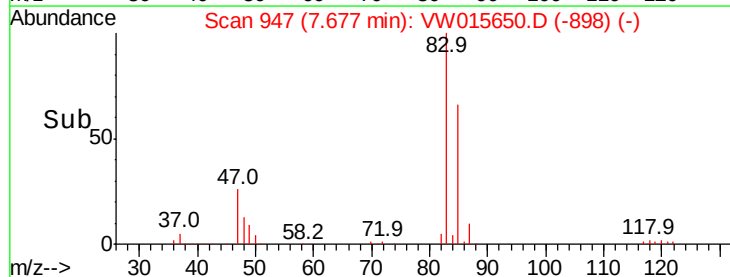
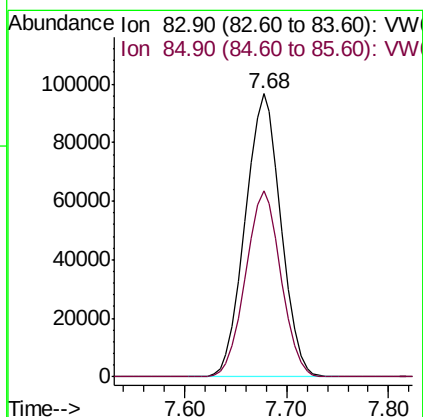
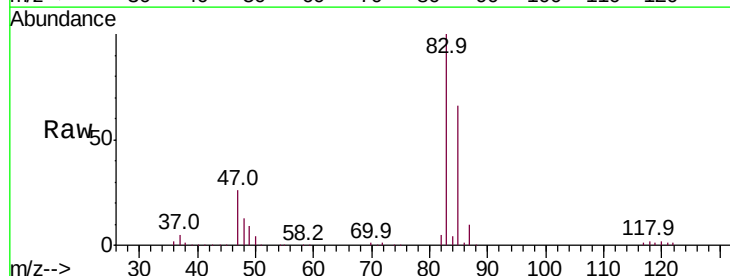
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

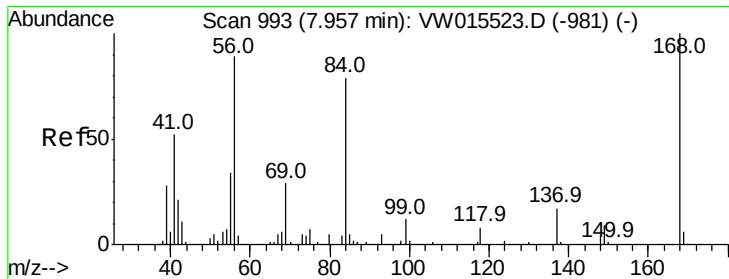
Tot Ion: 42 Resp: 100179
Ion Ratio Lower Upper
42 100
72 42.8 34.8 52.2
71 41.3 33.3 49.9



#30
Chloroform
Concen: 50.344 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion: 83 Resp: 235111
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.4

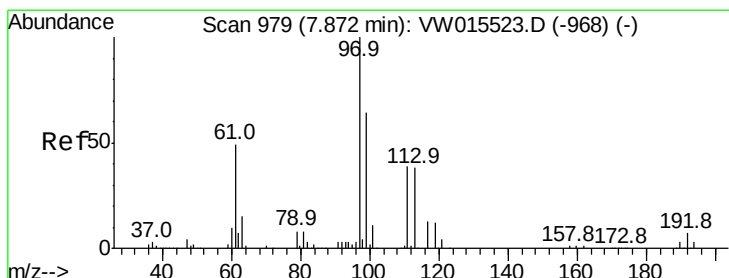
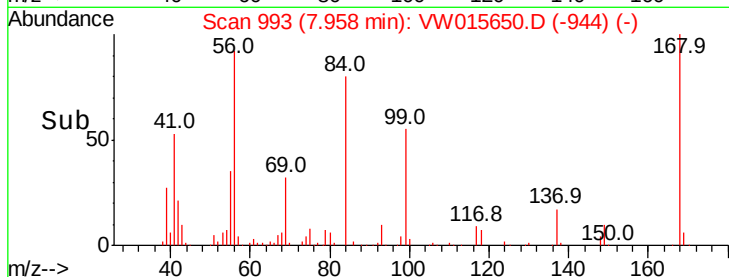
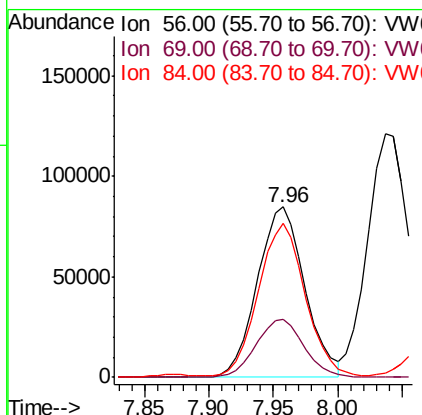
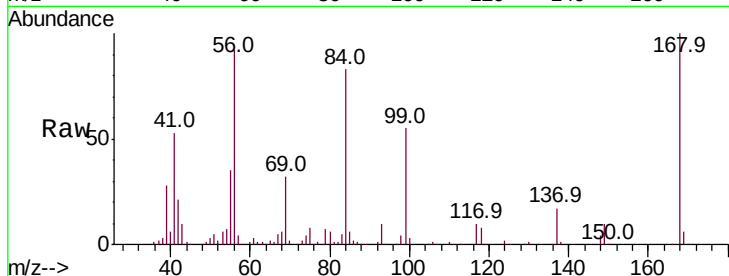




#31
Cyclohexane
Concen: 47.820 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

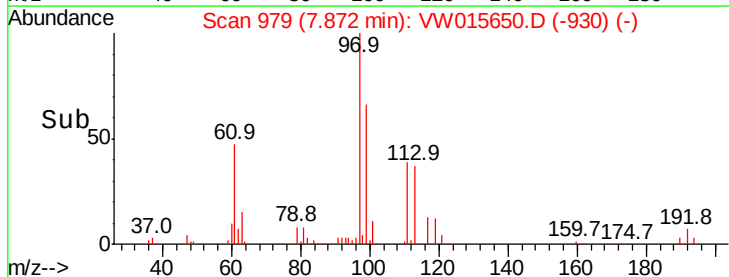
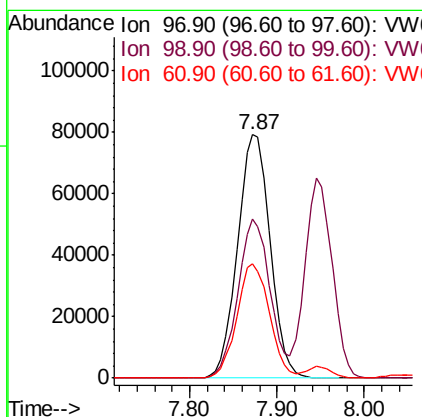
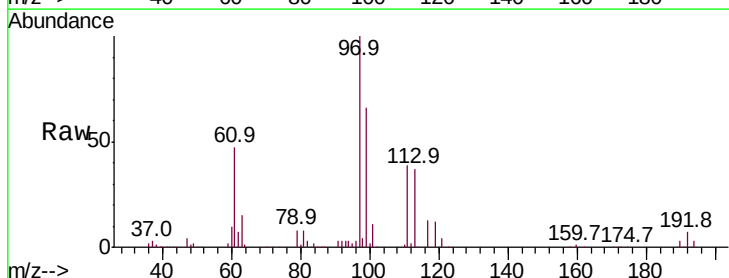
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

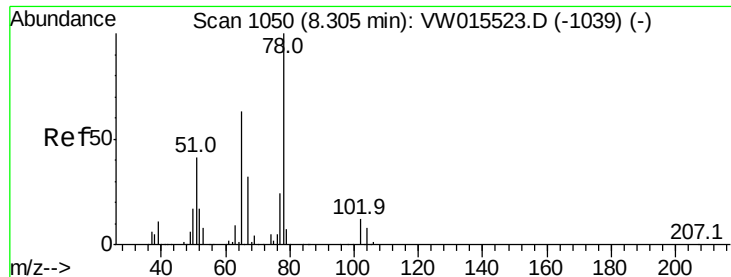
Tot Ion: 56 Resp: 217247
Ion Ratio Lower Upper
56 100
69 34.5 26.3 39.5
84 89.3 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 50.868 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion: 97 Resp: 205179
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.0
61 47.1 37.8 56.8

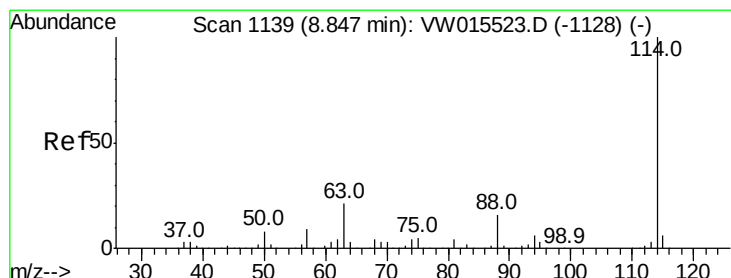
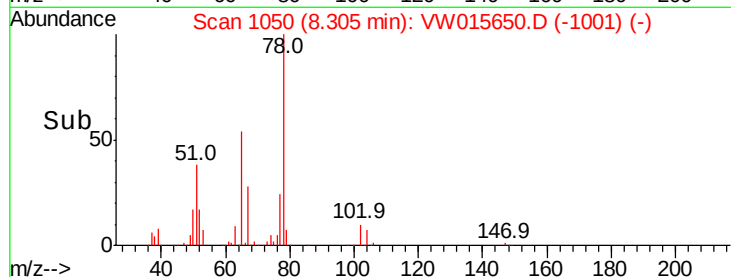
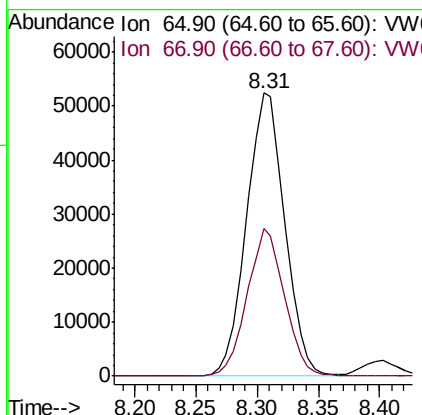
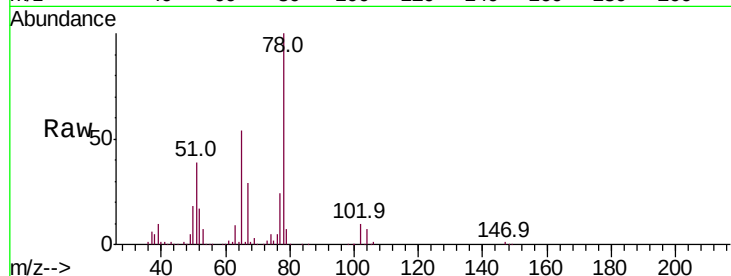




#33
 1,2-Dichloroethane-d4
 Concen: 45.450 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

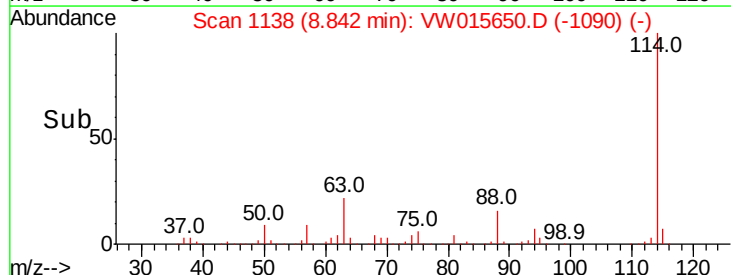
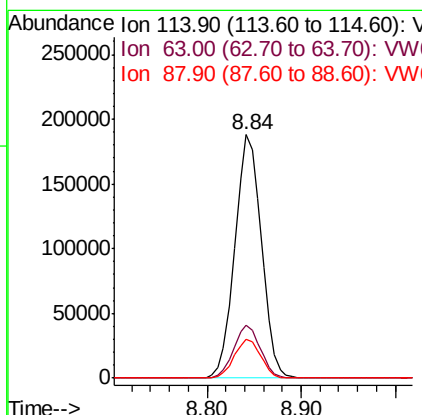
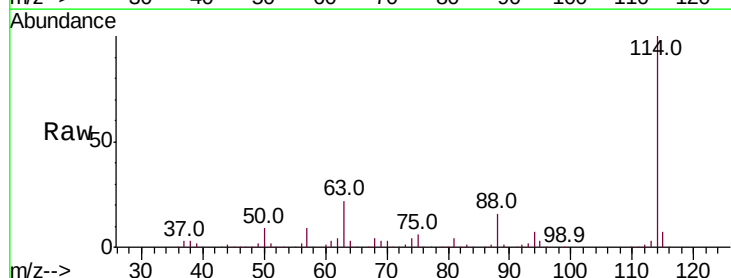
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

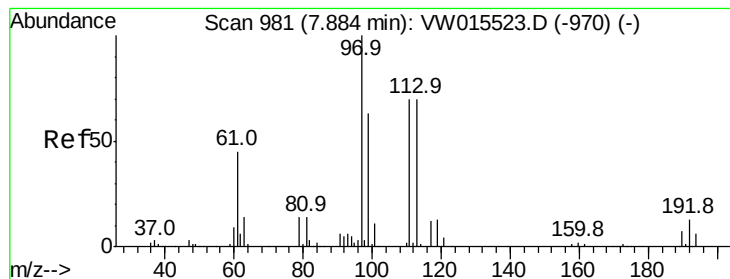
Tot Ion: 65 Resp: 114137
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion: 114 Resp: 367849
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.0
 88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.397 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

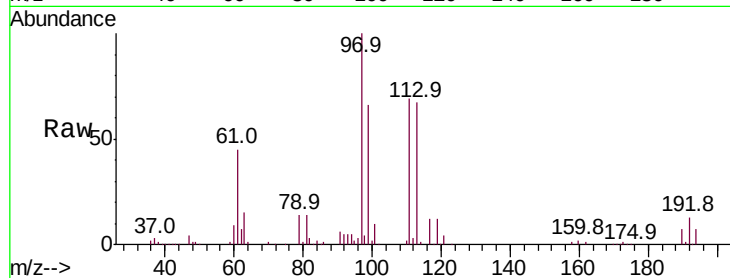
Tot Ion:113 Resp: 102762

Ion Ratio Lower Upper

113 100

111 102.8 83.3 124.9

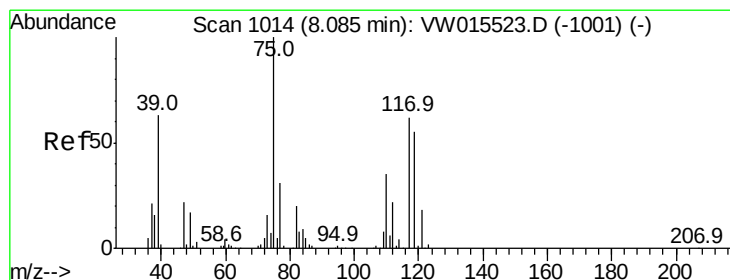
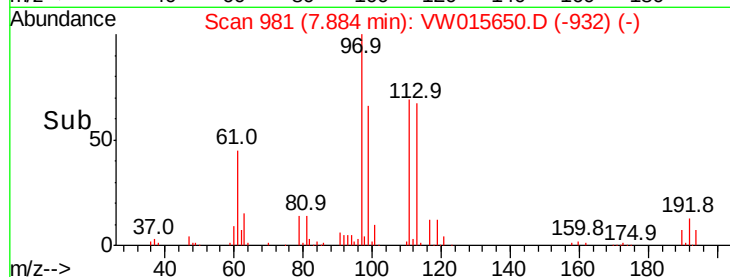
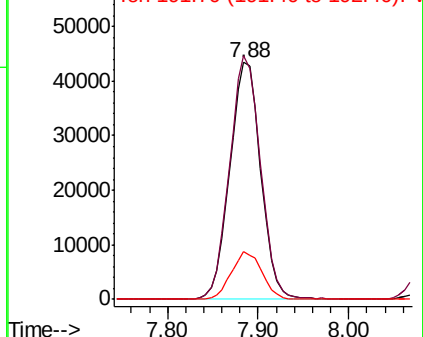
192 19.8 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.679 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

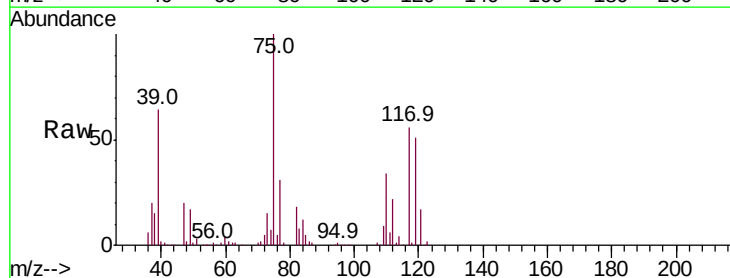
Tgt Ion: 75 Resp: 196062

Ion Ratio Lower Upper

75 100

110 33.8 17.2 51.6

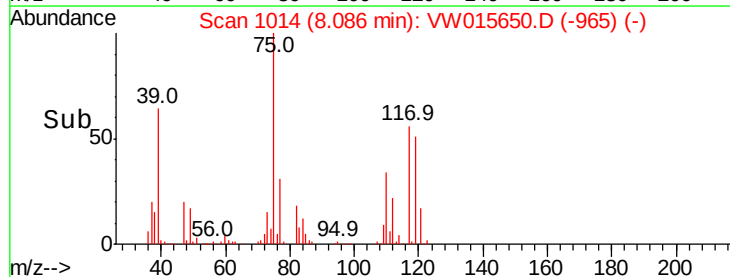
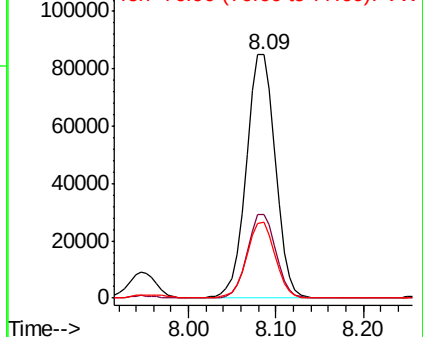
77 30.7 25.0 37.4

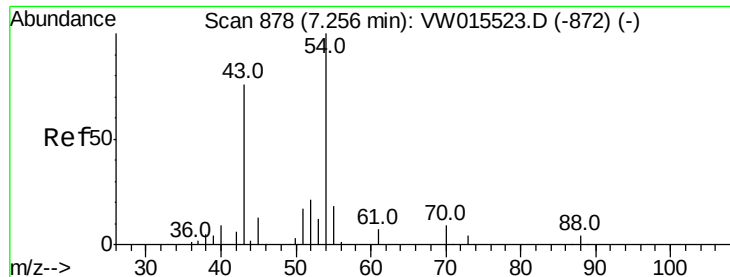


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

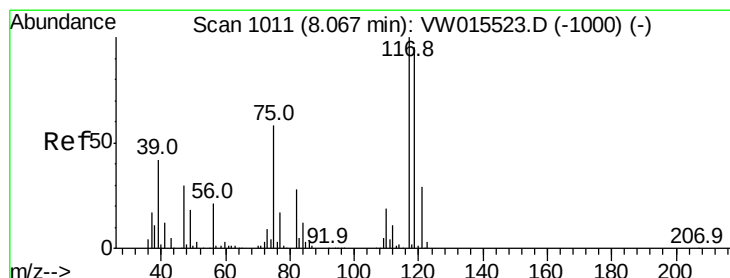
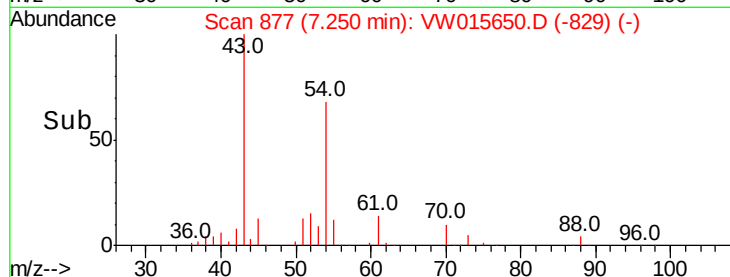
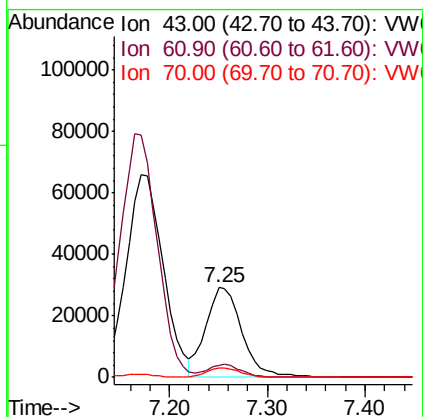
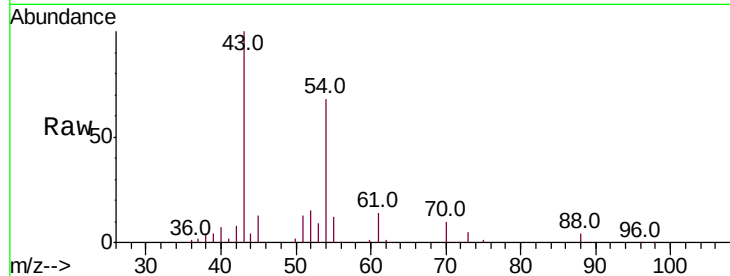




#37
Ethyl Acetate
Concen: 51.393 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

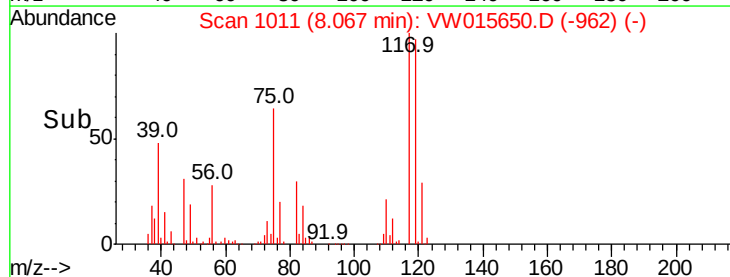
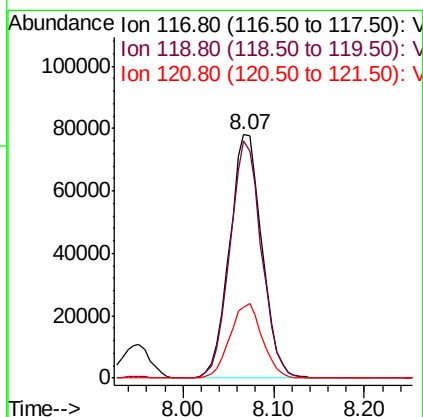
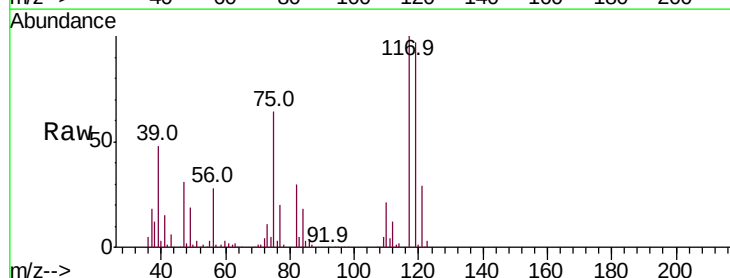
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

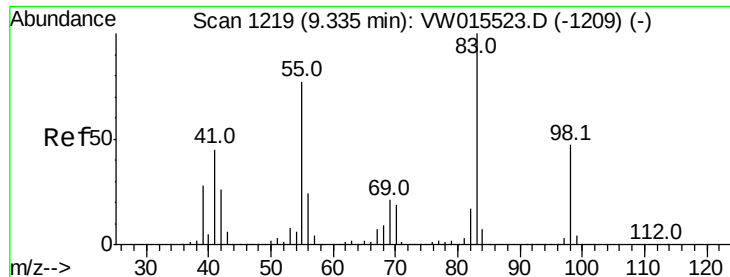
Tot Ion: 43 Resp: 74235
Ion Ratio Lower Upper
43 100
61 12.9 10.4 15.6
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 52.935 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion: 117 Resp: 192896
Ion Ratio Lower Upper
117 100
119 97.3 75.9 113.9
121 29.2 23.5 35.3





#39

Methylvlcyclohexane

Concen: 52.655 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

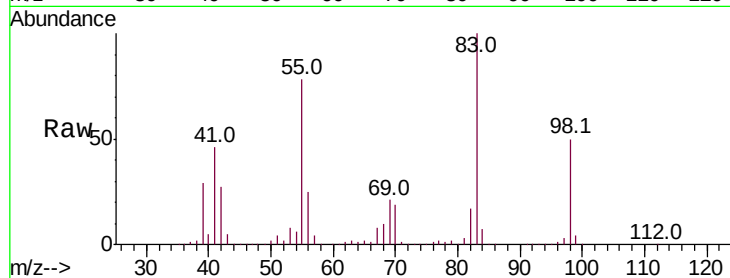
Tot Ion: 83 Resp: 241680

Ion Ratio Lower Upper

83 100

55 77.8 61.7 92.5

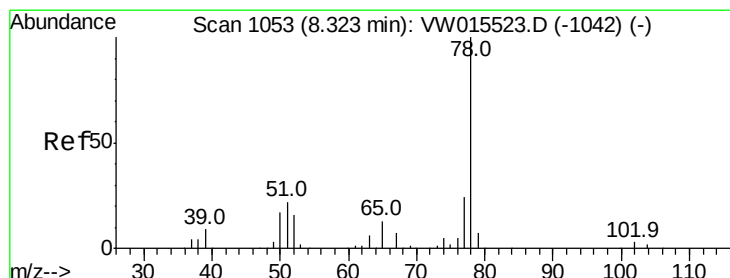
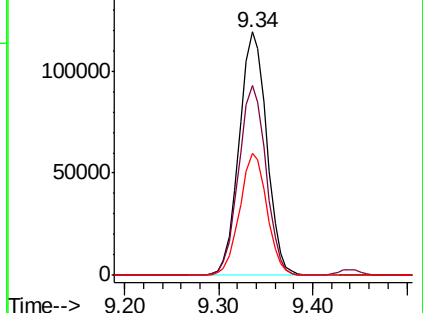
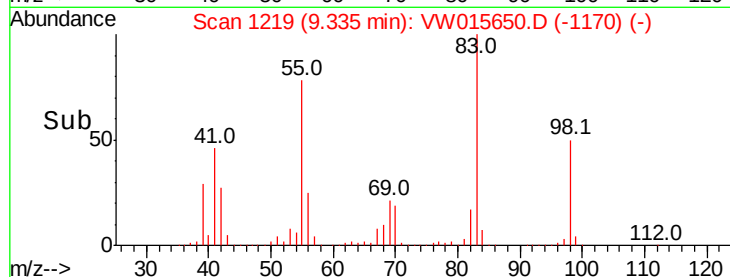
98 49.9 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 51.807 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015650.D

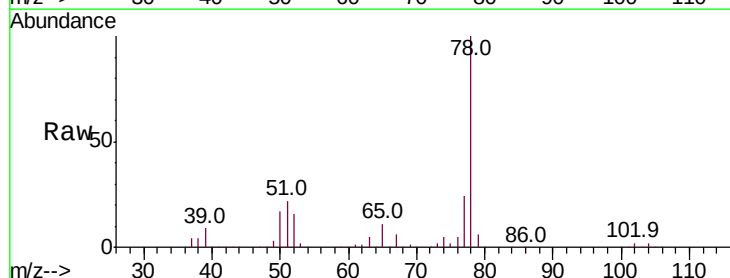
Acq: 22 Jun 2020 15:39

Tgt Ion: 78 Resp: 520323

Ion Ratio Lower Upper

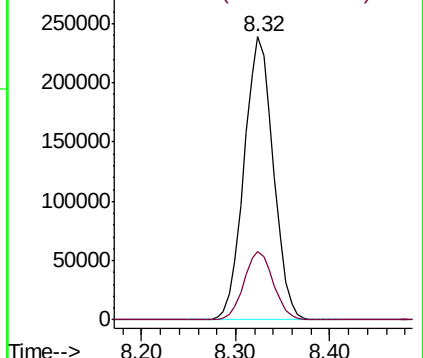
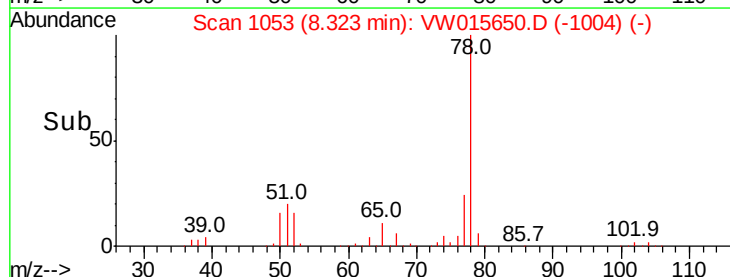
78 100

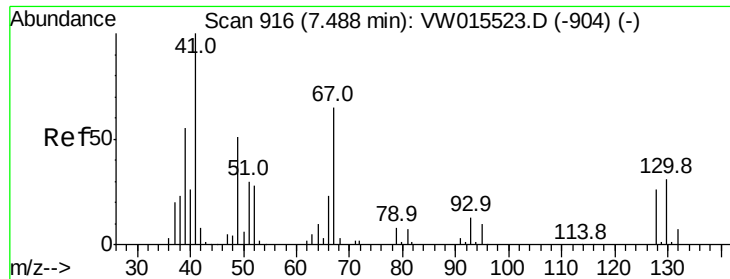
77 24.0 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

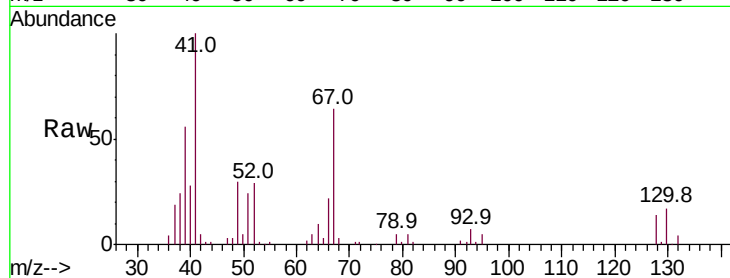




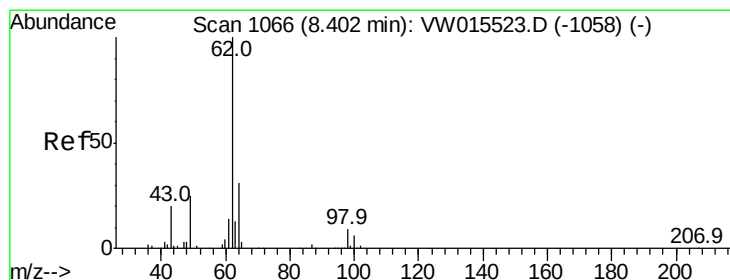
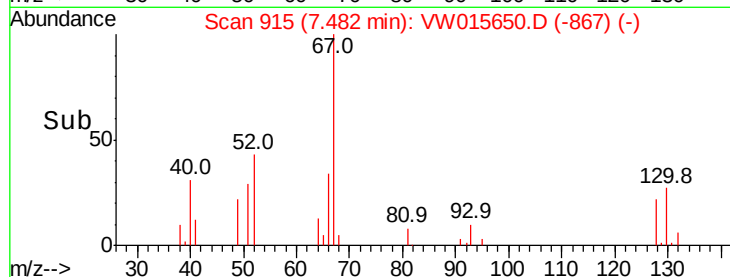
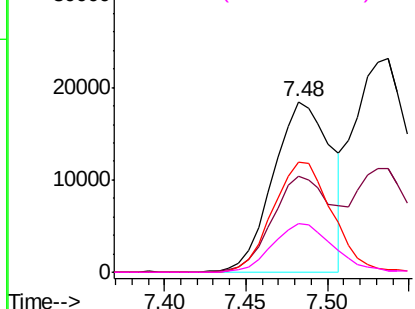
#41
Methacrylonitrile
Concen: 55.102 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	45717
Ion	Ratio	Lower	Upper
41	100		
39	62.0	44.5	66.7
67	65.6	53.1	79.7
52	30.1	23.5	35.3

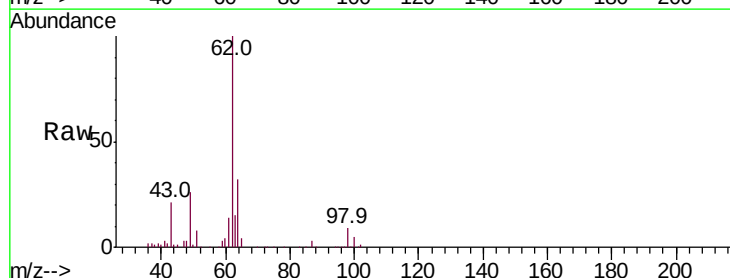


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

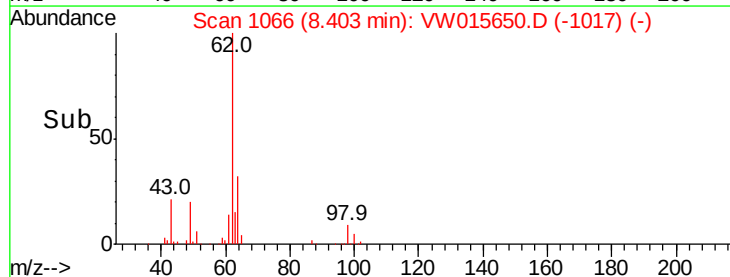
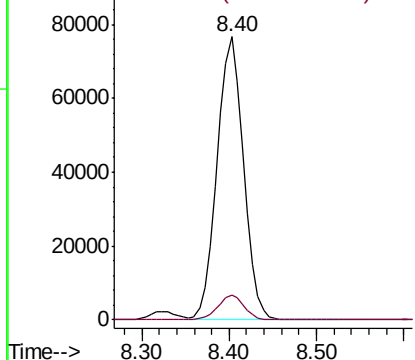


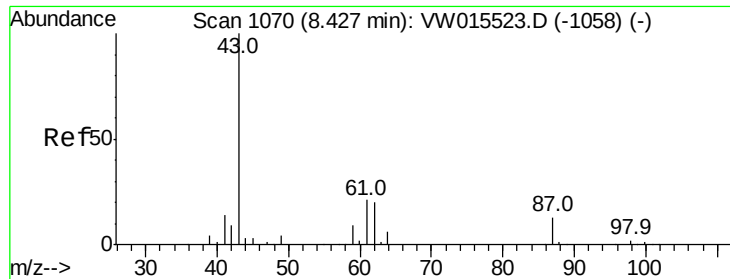
#42
1,2-Dichloroethane
Concen: 52.407 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion:	62	Resp:	160650
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 52.148 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

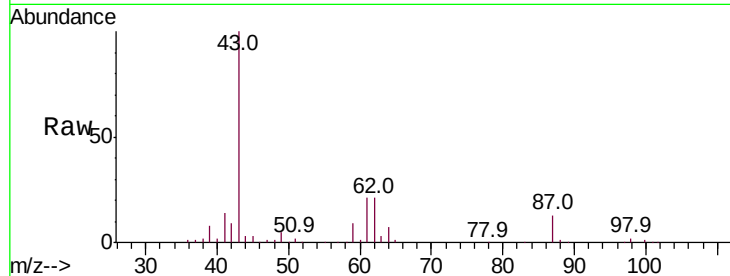
Tot Ion: 43 Resp: 149641

Ion Ratio Lower Upper

43 100

61 30.3 23.8 35.8

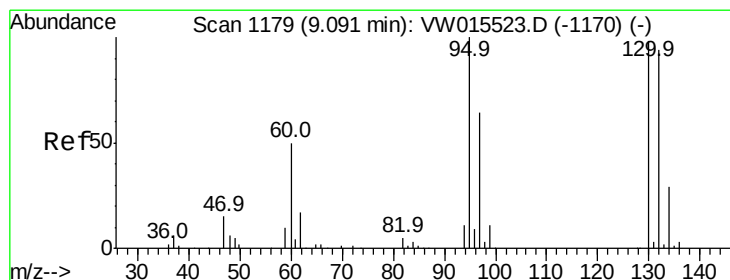
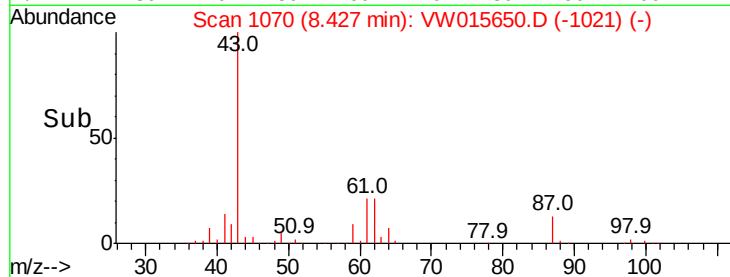
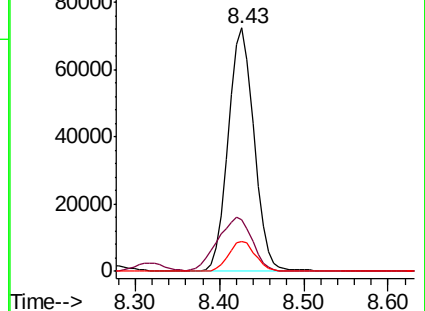
87 12.8 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 53.054 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015650.D

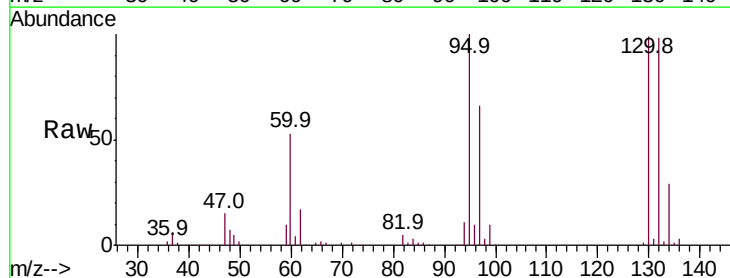
Acq: 22 Jun 2020 15:39

Tgt Ion:130 Resp: 142189

Ion Ratio Lower Upper

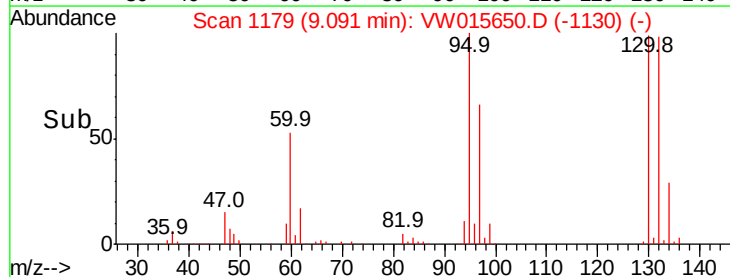
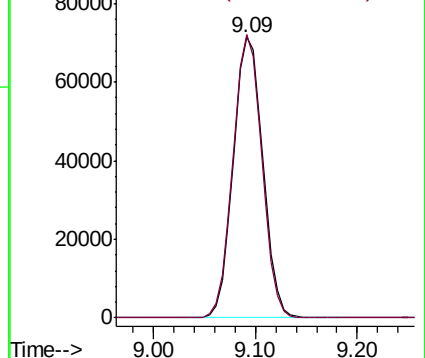
130 100

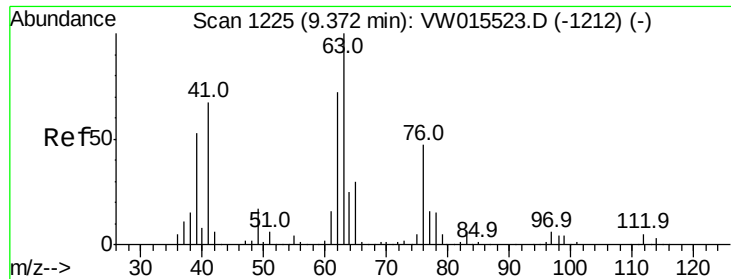
95 100.8 0.0 204.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

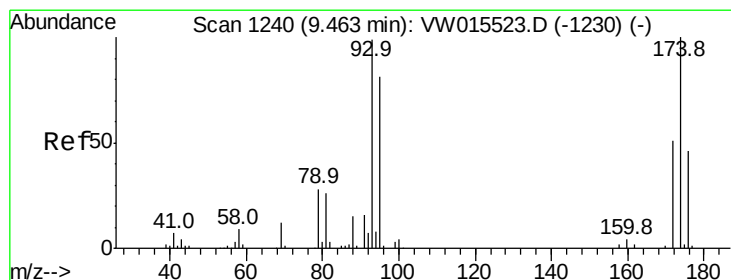
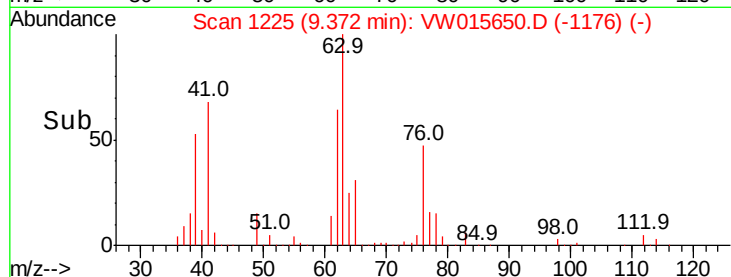
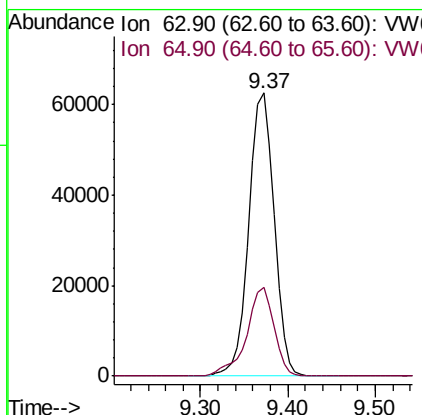
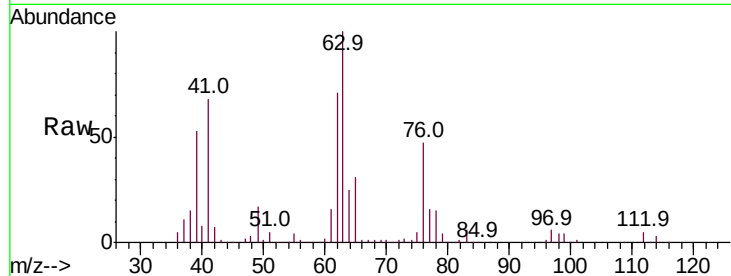




#45
 1,2-Dichloropropane
 Concen: 51.495 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

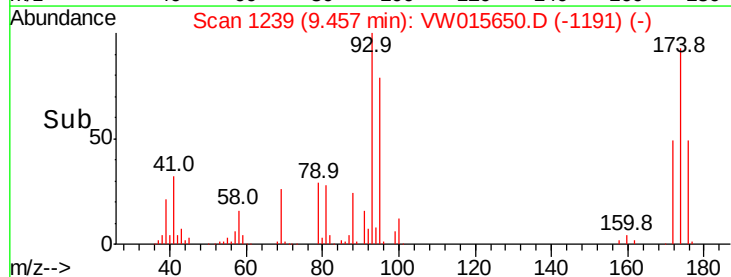
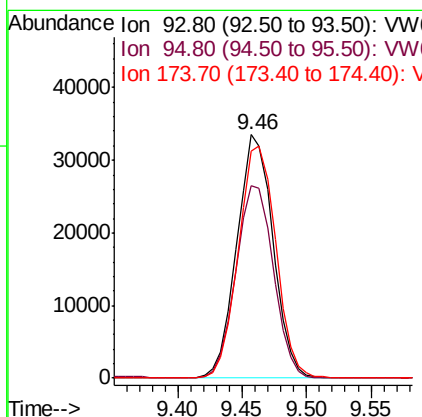
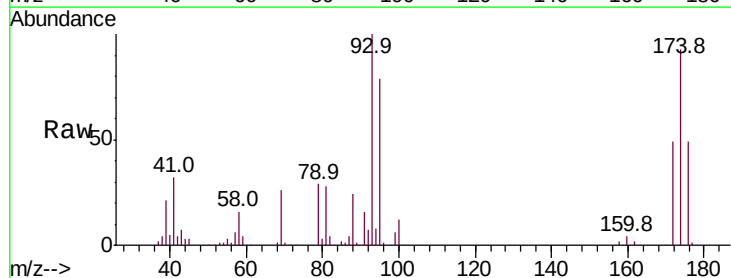
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

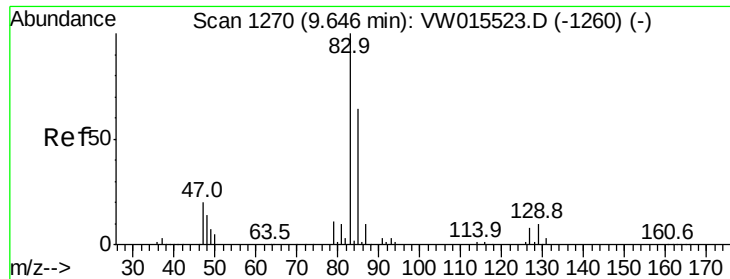
Tot Ion: 63 Resp: 126164
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.0 36.0



#46
 Dibromomethane
 Concen: 52.213 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion: 93 Resp: 65305
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.1 97.7
 174 98.8 78.6 118.0





#47

Bromodichloromethane

Concen: 51.458 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

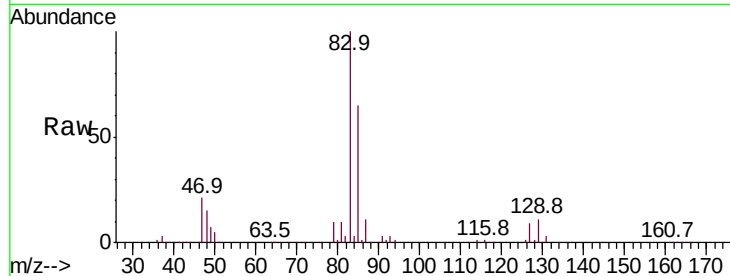
Tot Ion: 83 Resp: 174159

Ion Ratio Lower Upper

83 100

85 64.6 51.1 76.7

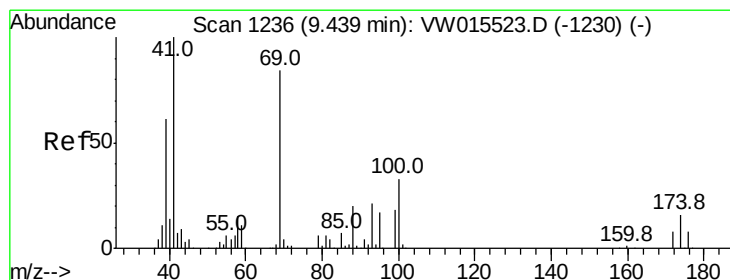
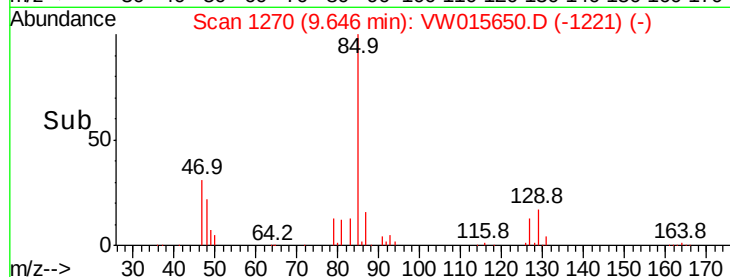
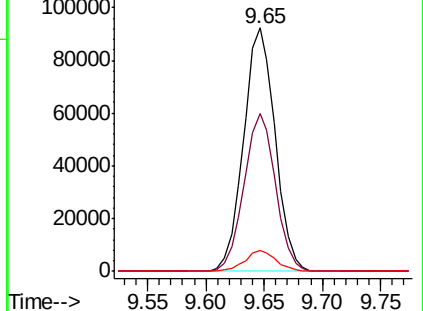
127 8.6 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 53.140 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

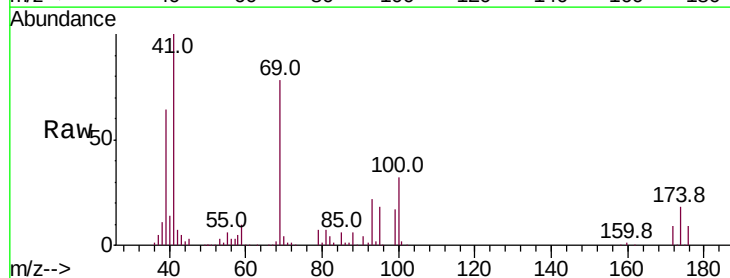
Tgt Ion: 41 Resp: 69702

Ion Ratio Lower Upper

41 100

69 85.0 67.8 101.8

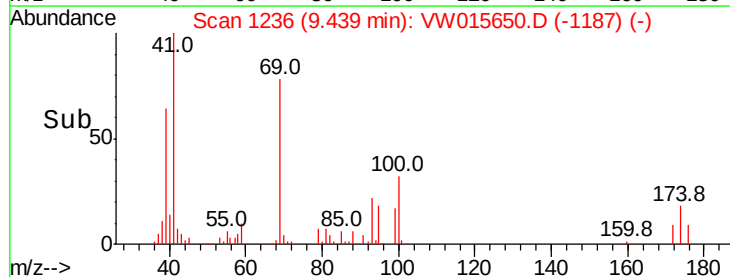
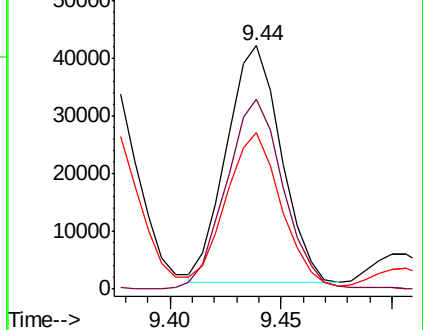
39 65.0 50.2 75.2

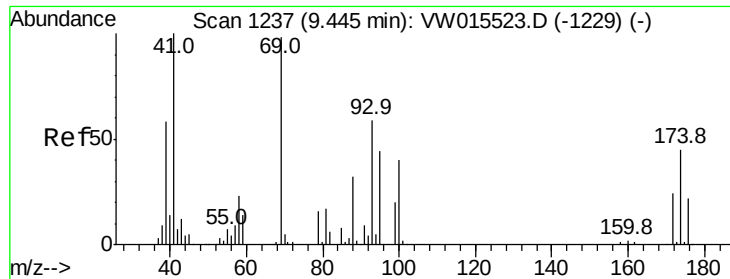


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 811.117 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

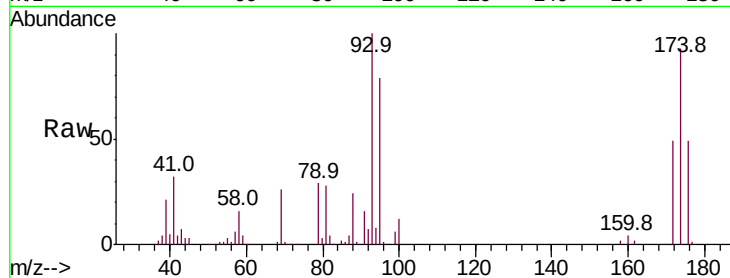
Tot Ion: 88 Resp: 16982

Ion Ratio Lower Upper

88 100

43 30.9 27.9 41.9

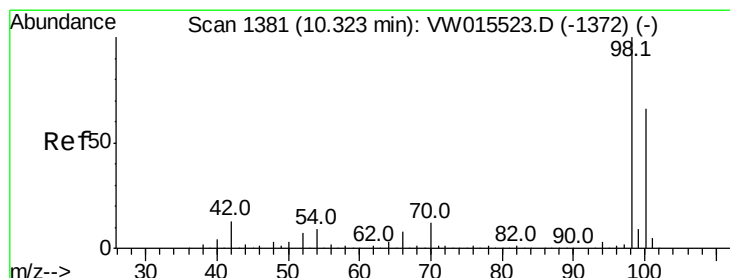
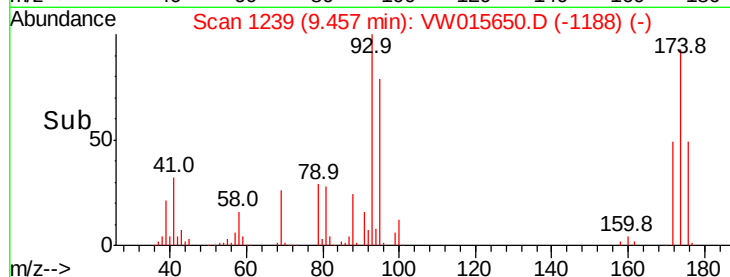
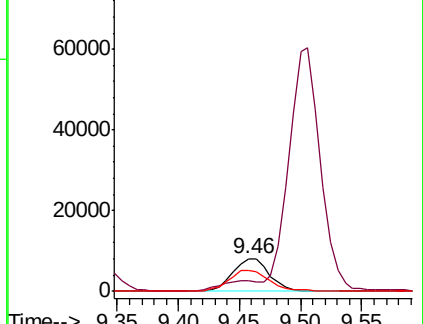
58 72.5 58.8 88.2



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: 48.052 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW015650.D

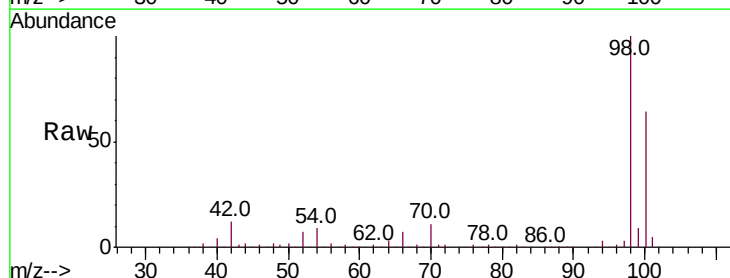
Acq: 22 Jun 2020 15:39

Tgt Ion: 98 Resp: 421284

Ion Ratio Lower Upper

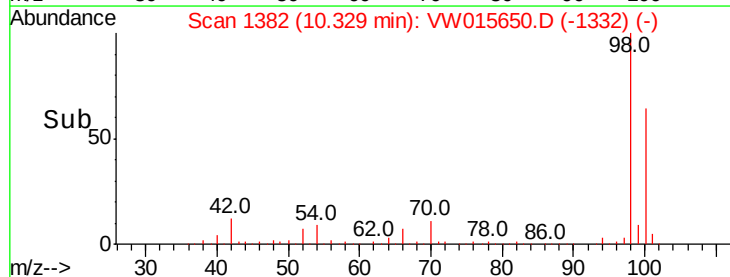
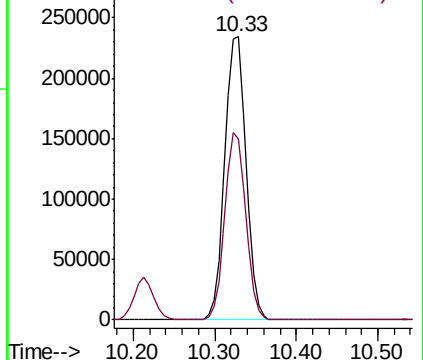
98 100

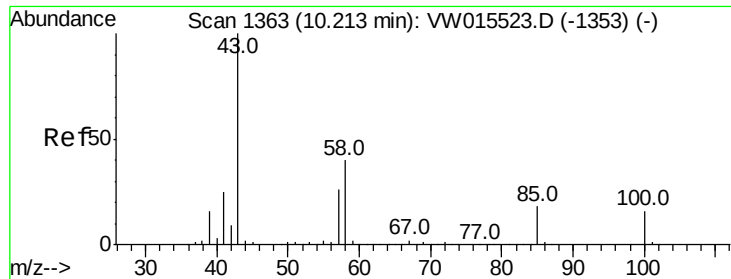
100 65.4 52.6 78.8



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: 270.689 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

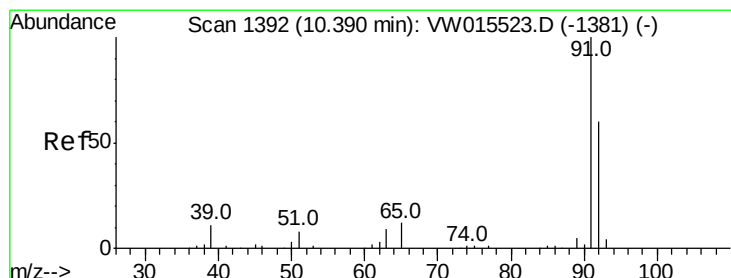
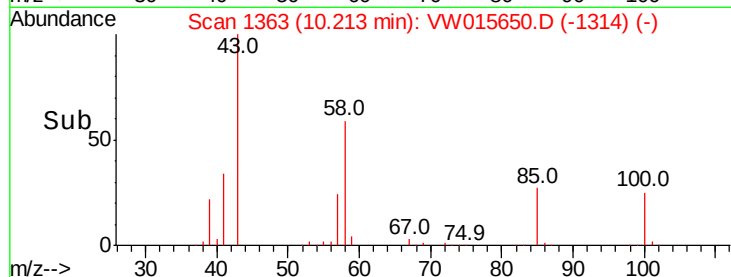
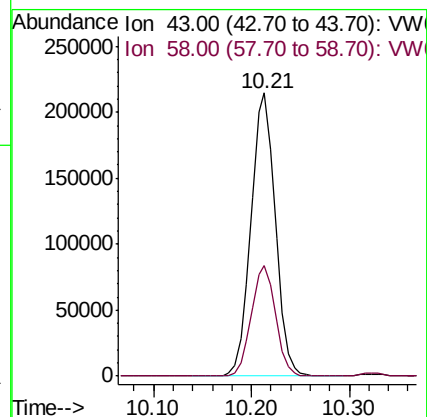
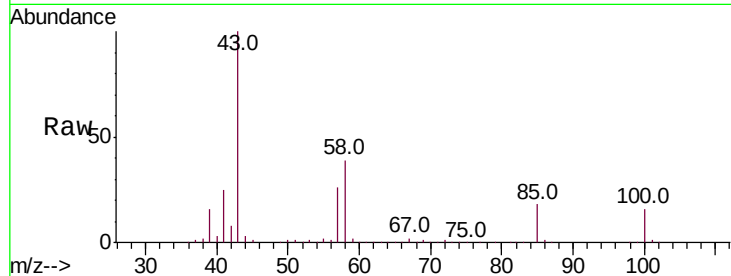
VSTDCCC050EC

Tot Ion: 43 Resp: 369050

Ion Ratio Lower Upper

43 100

58 38.9 31.4 47.0



#52

Toluene

Concen: 53.196 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015650.D

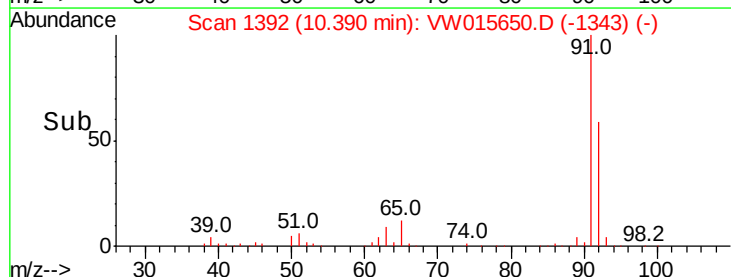
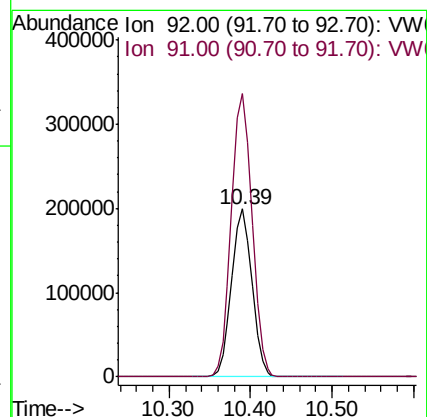
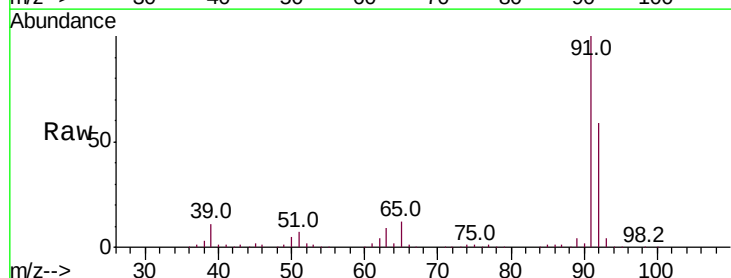
Acq: 22 Jun 2020 15:39

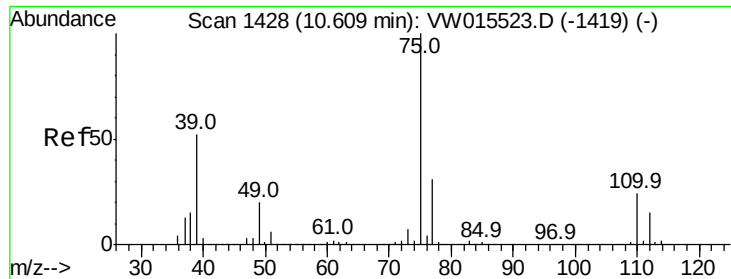
Tgt Ion: 92 Resp: 344634

Ion Ratio Lower Upper

92 100

91 171.3 136.5 204.7

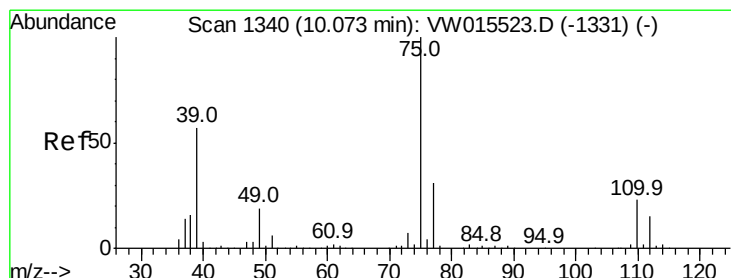
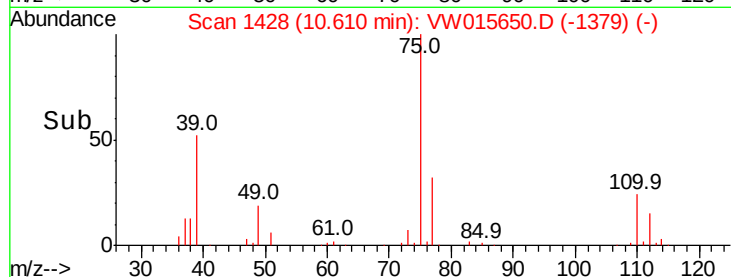
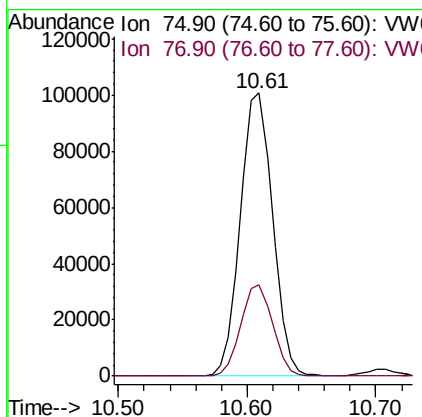
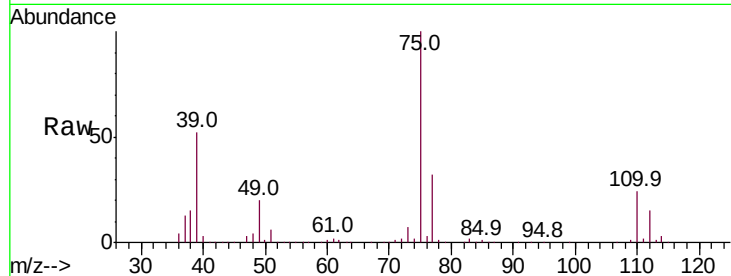




#53
 t-1,3-Dichloropropene
 Concen: 52.630 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

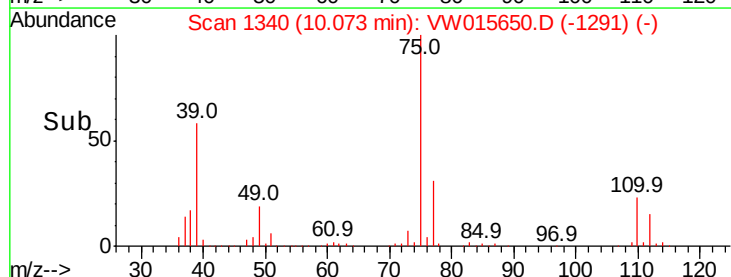
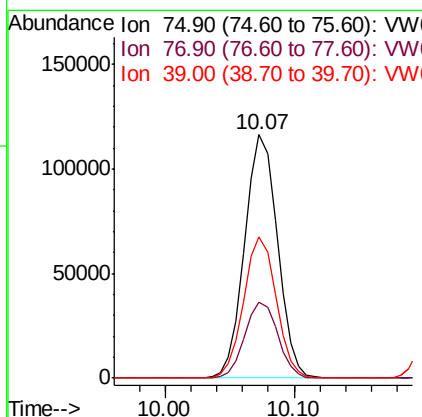
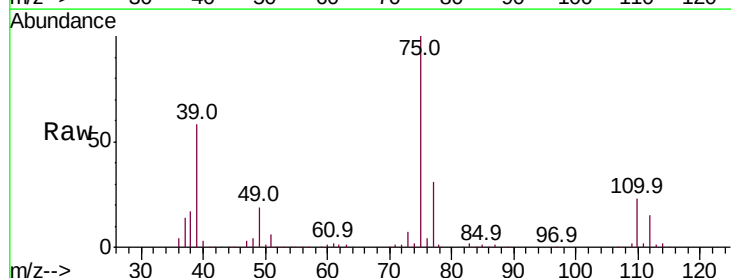
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

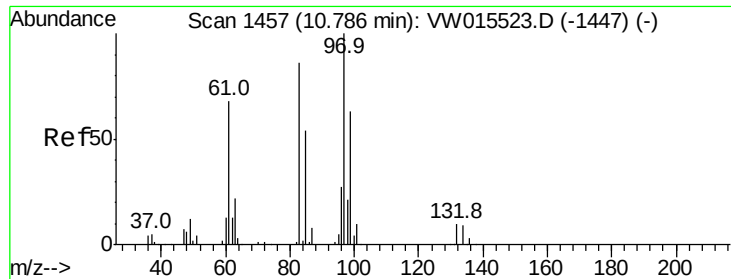
Tot Ion: 75 Resp: 175580
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 52.192 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion: 75 Resp: 205178
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.9 37.3
 39 58.0 45.4 68.2

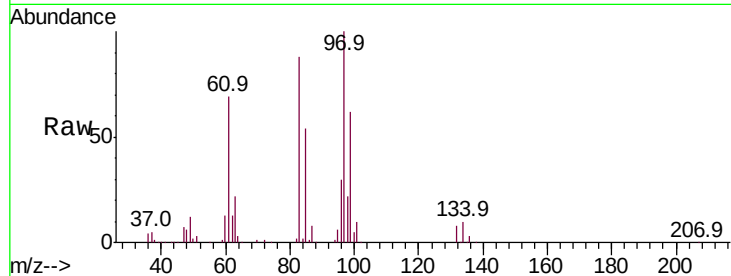




#55
 1,1,2-Trichloroethane
 Concen: 53.365 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	93168
Ion Ratio	100	Lower	Upper
83	87.4	68.6	102.8
85	54.4	43.2	64.8
99	62.4	50.5	75.7



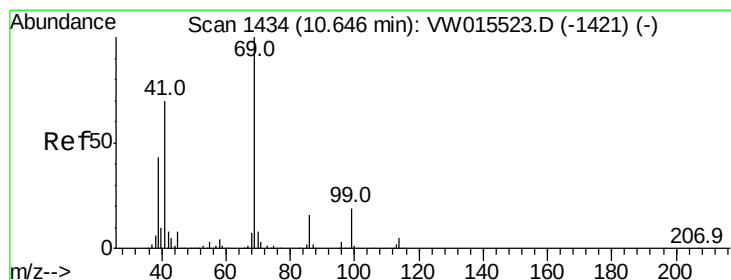
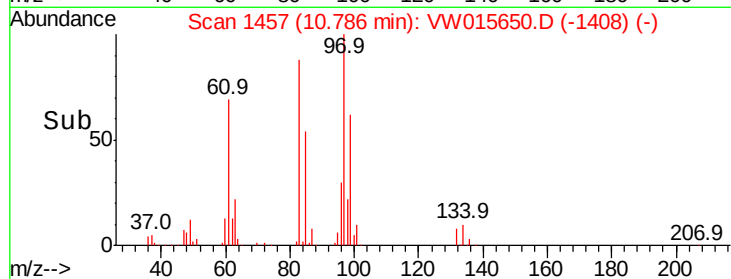
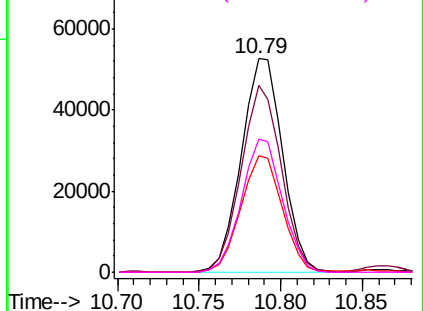
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

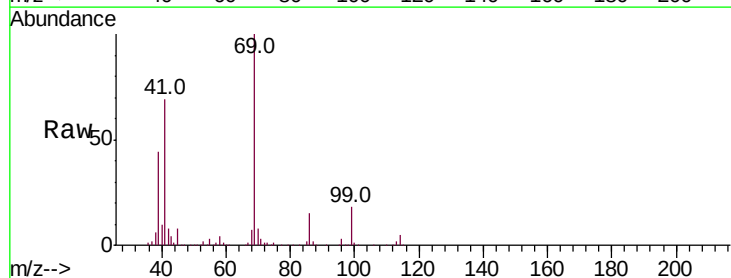
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 53.775 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion	69	Resp	122119
Ion Ratio	100	Lower	Upper
41	69.9	56.2	84.4
39	41.3	33.3	49.9

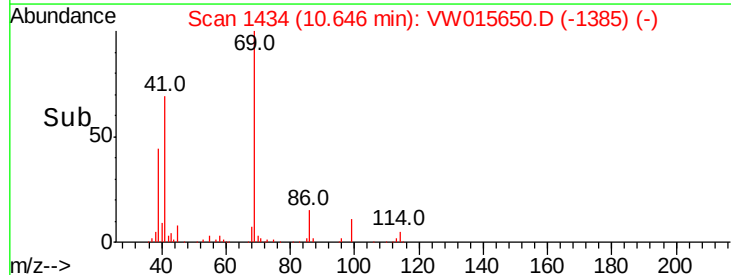
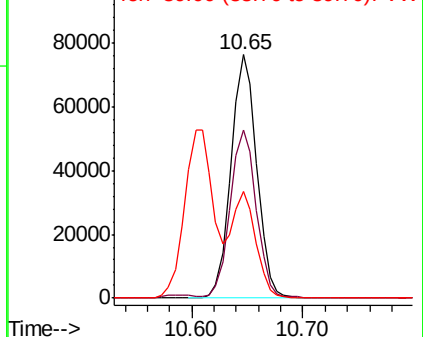


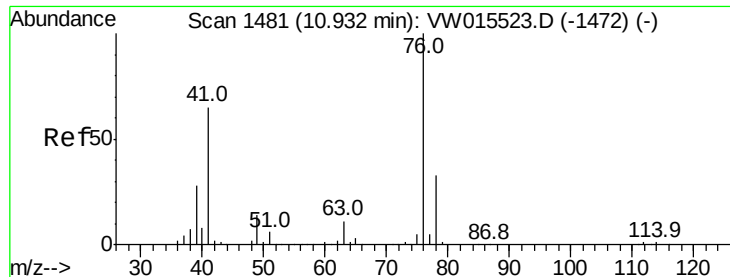
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 52.948 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

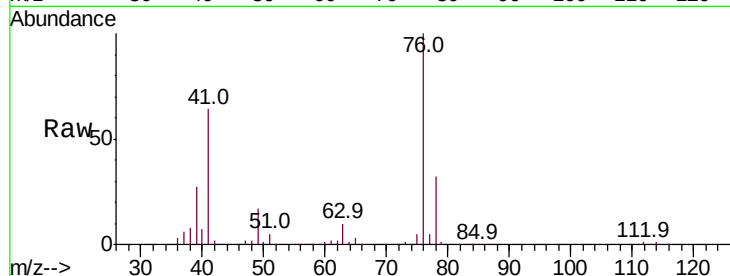
VSTDCCC050EC

Tot Ion: 76 Resp: 163695

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

80000

60000

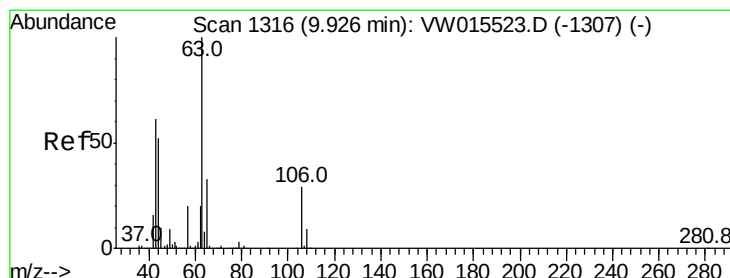
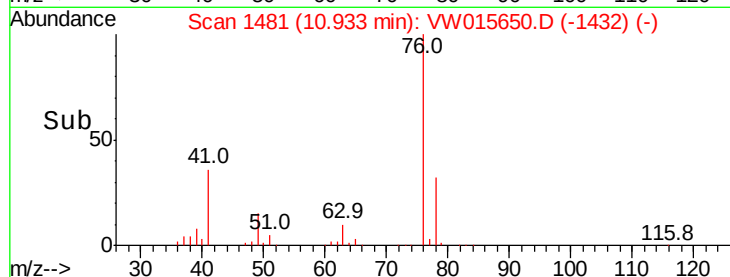
40000

20000

0

10.90 11.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 259.655 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW015650.D

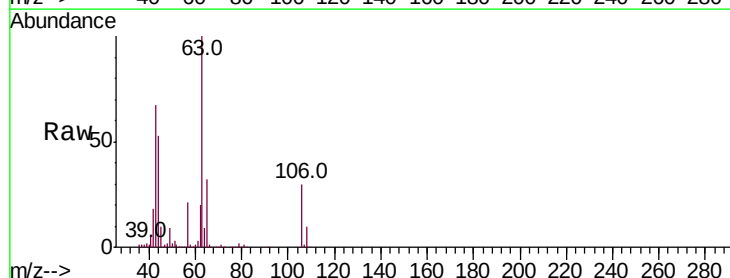
Acq: 22 Jun 2020 15:39

Tgt Ion: 63 Resp: 281936

Ion Ratio Lower Upper

63 100

106 28.8 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

150000

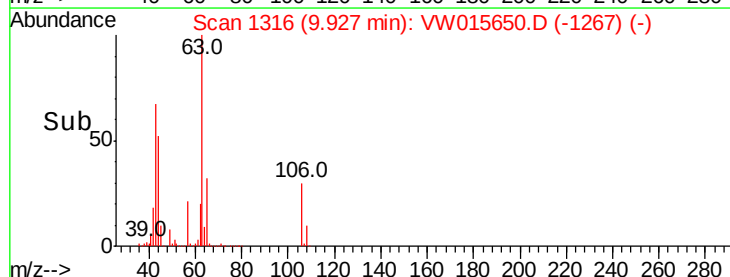
100000

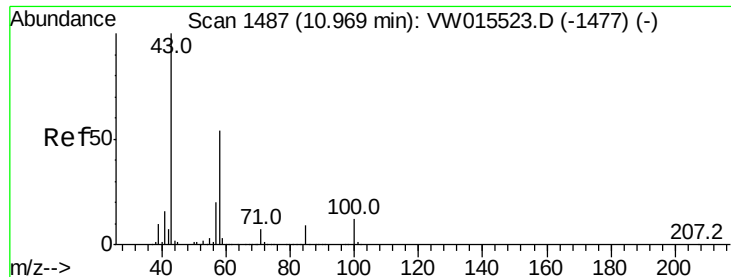
50000

0

9.80 9.90 10.00

Time-->

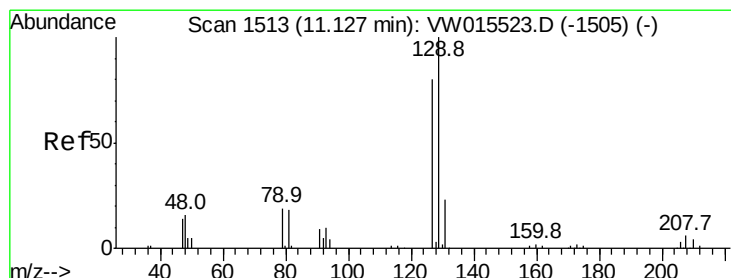
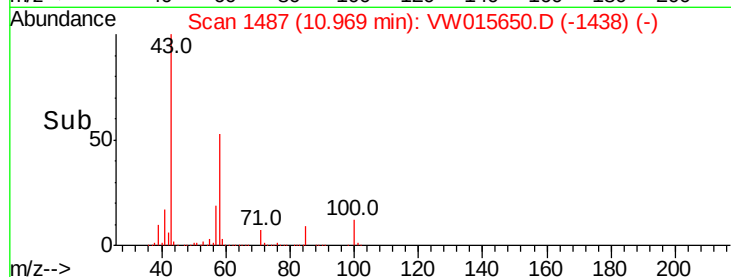
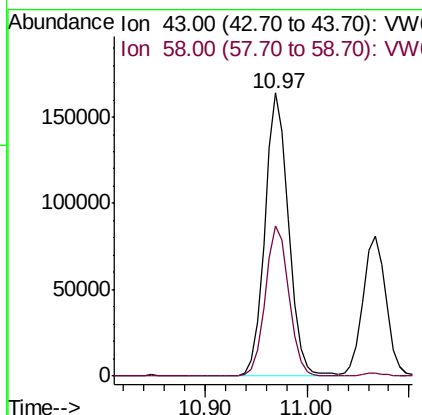
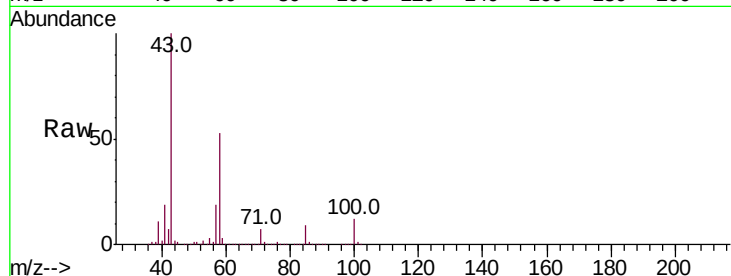




#59
2-Hexanone
Concen: 279.251 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

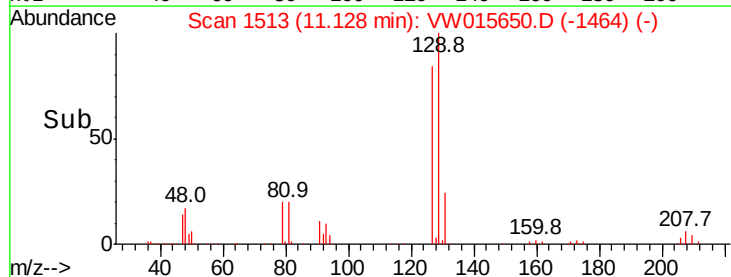
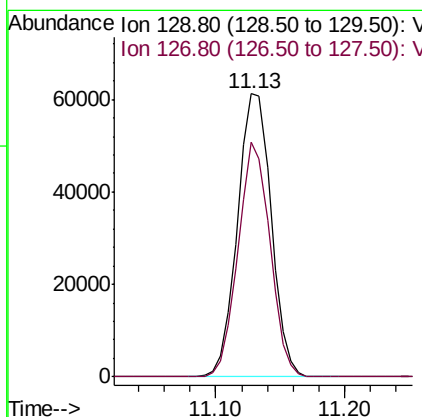
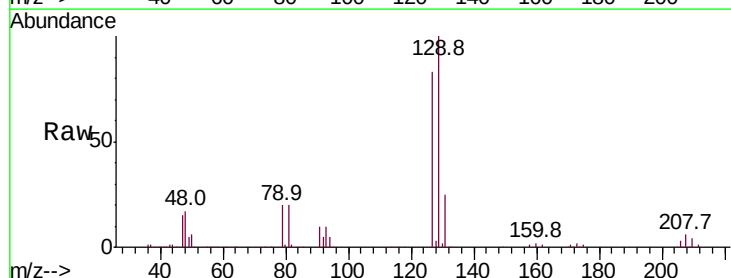
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

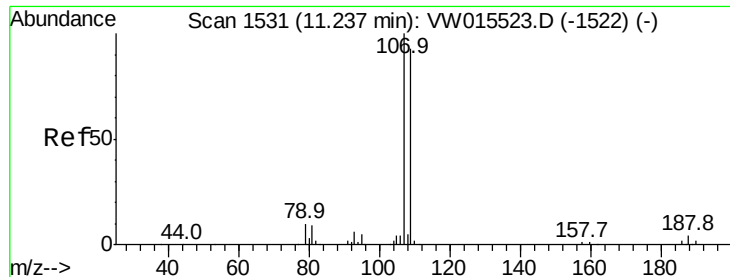
Tot Ion: 43 Resp: 263344
Ion Ratio Lower Upper
43 100
58 53.0 26.8 80.3



#60
Dibromochloromethane
Concen: 52.110 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion: 129 Resp: 111010
Ion Ratio Lower Upper
129 100
127 78.5 38.4 115.2

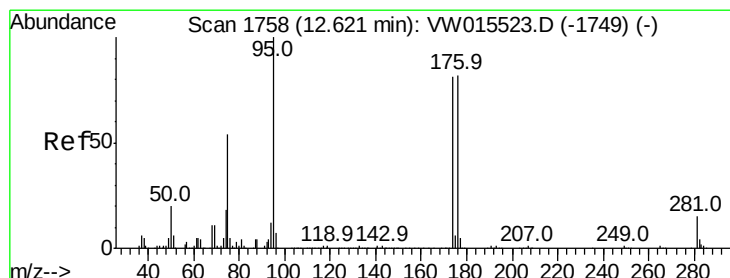
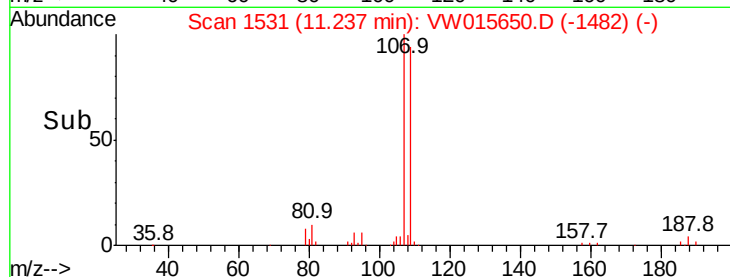
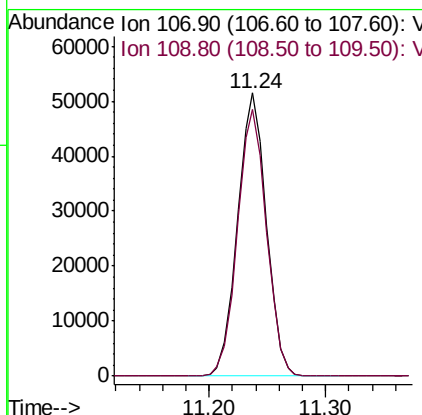
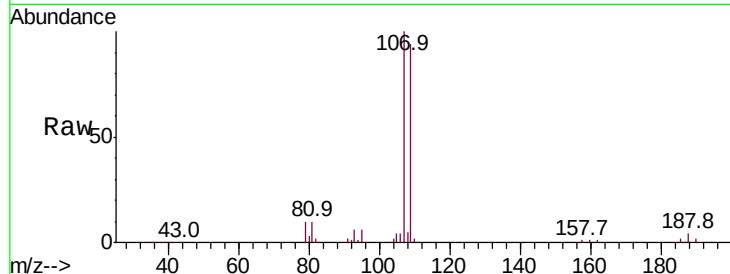




#61
 1,2-Dibromoethane
 Concen: 53.050 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

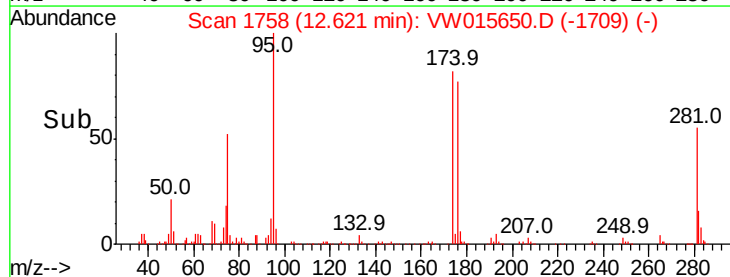
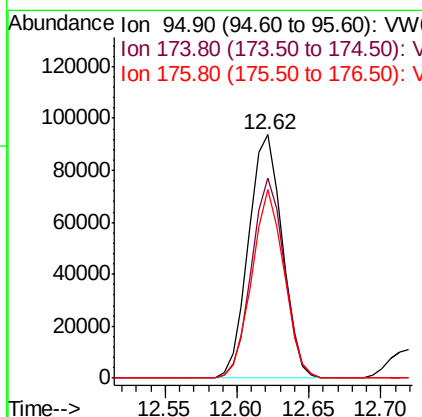
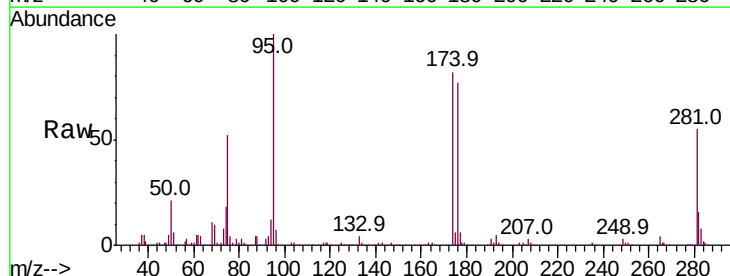
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

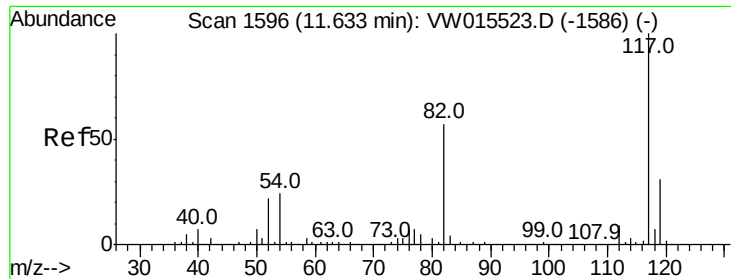
Tot Ion:107 Resp: 88637
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 47.557 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion: 95 Resp: 151483
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 153.6
 176 74.2 0.0 152.8

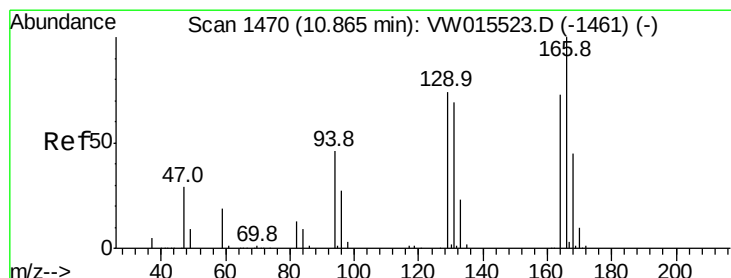
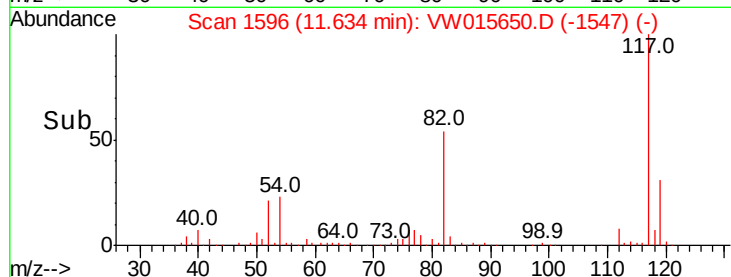
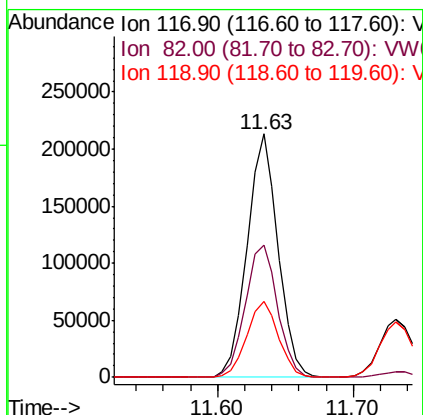
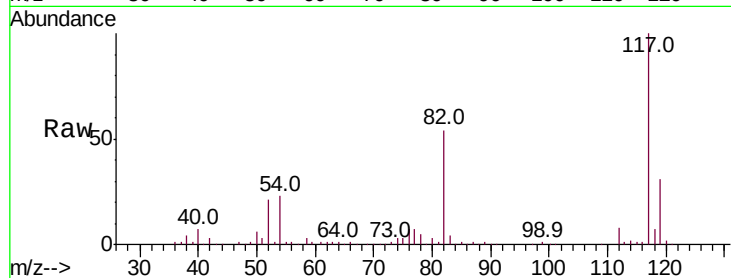




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

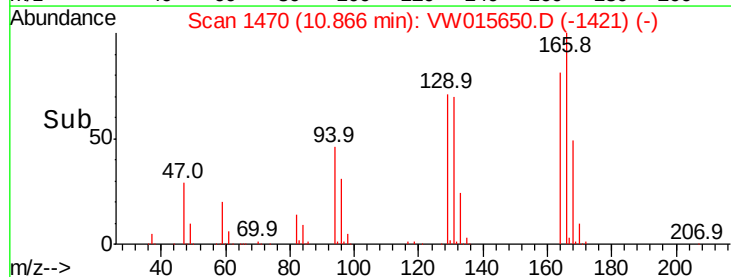
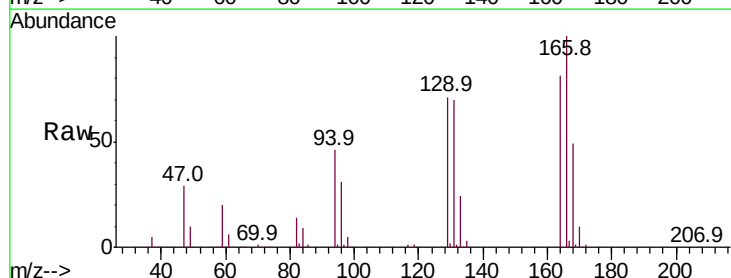
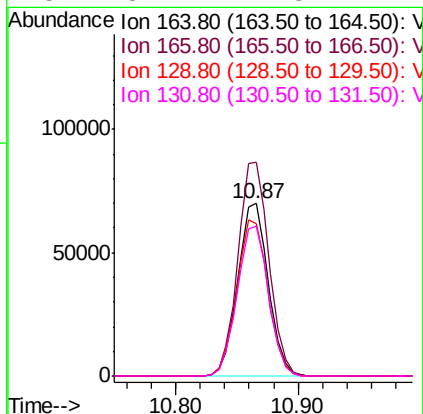
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

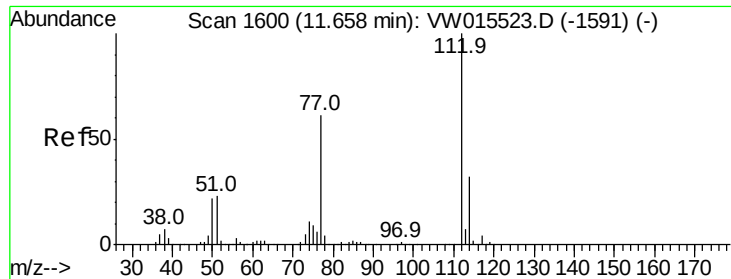
Tot Ion:117 Resp: 338108
Ion Ratio Lower Upper
117 100
82 54.1 45.8 68.8
119 31.3 24.7 37.1



#64
Tetrachloroethene
Concen: 53.226 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion:164 Resp: 120587
Ion Ratio Lower Upper
164 100
166 123.6 109.0 163.6
129 88.3 81.0 121.4
131 87.1 74.8 112.2

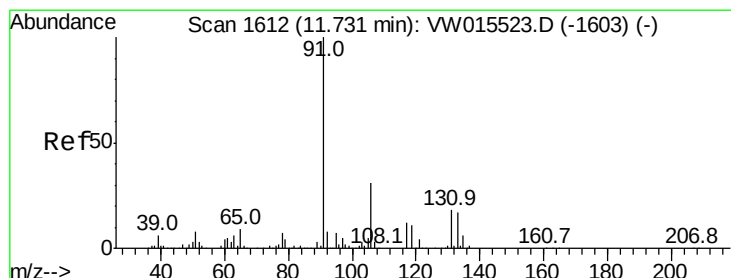
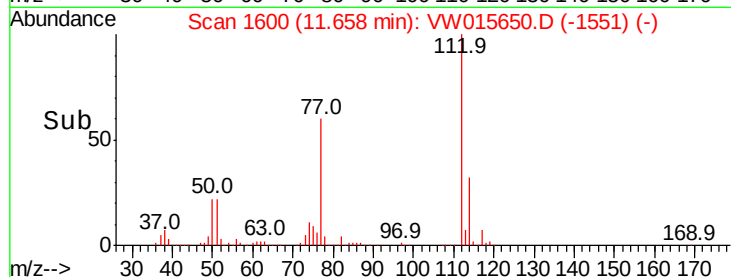
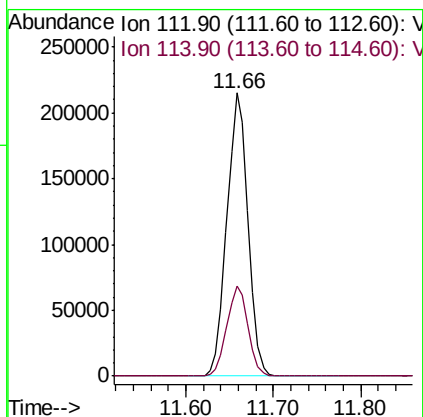
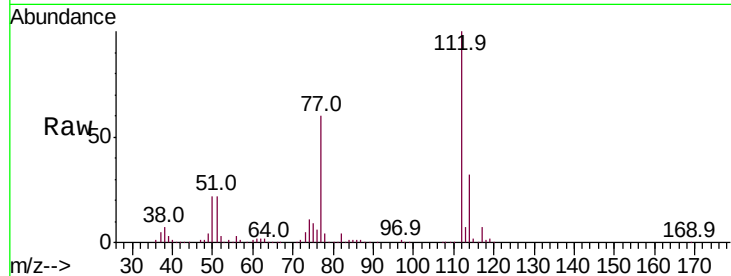




#65
Chlorobenzene
Concen: 52.150 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

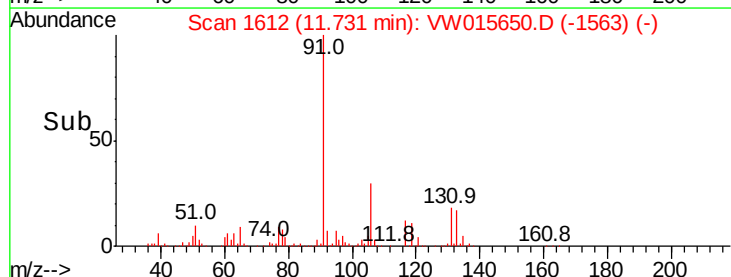
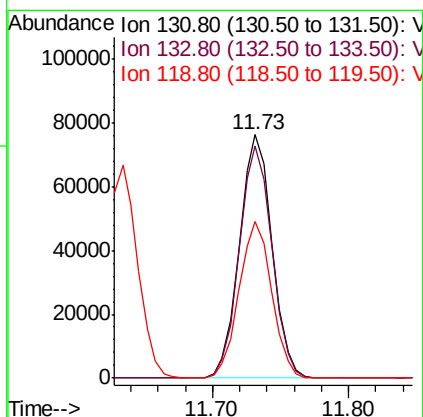
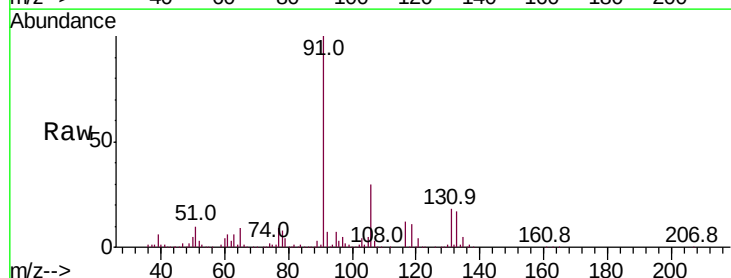
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

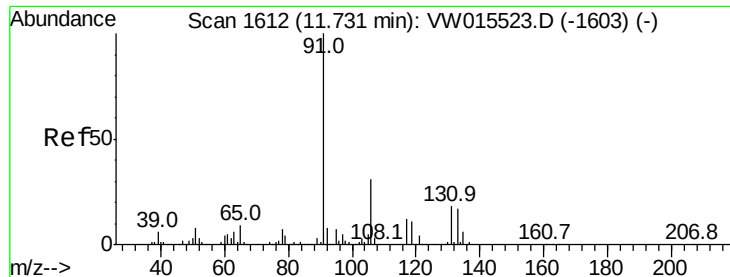
Tot Ion:112 Resp: 359450
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.771 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion:131 Resp: 127525
Ion Ratio Lower Upper
131 100
133 95.6 48.3 144.8
119 64.6 32.5 97.5

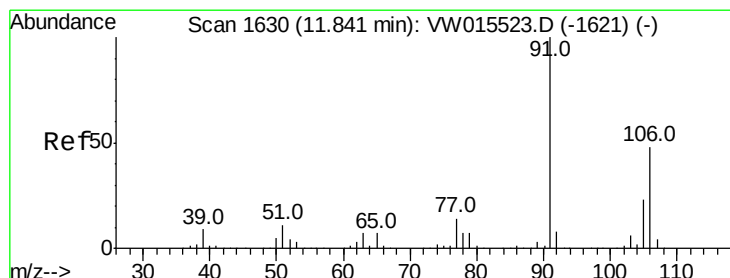
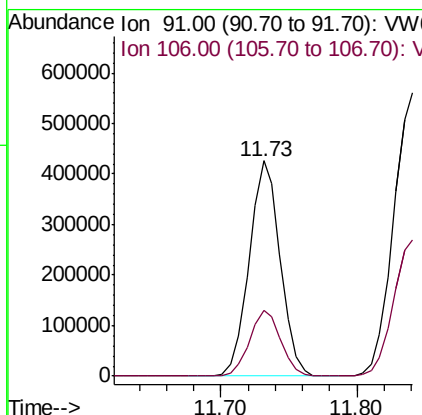
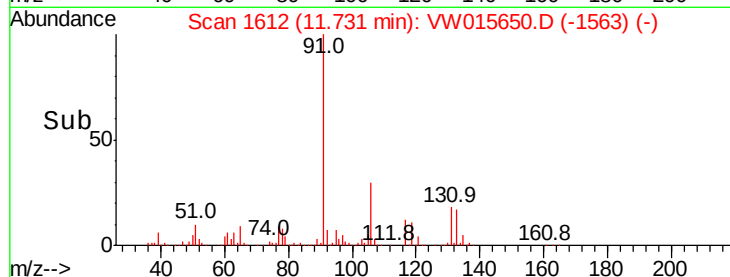
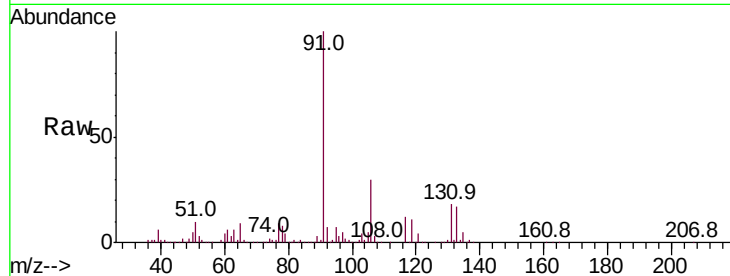




#67
Ethyl Benzene
Concen: 52.394 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

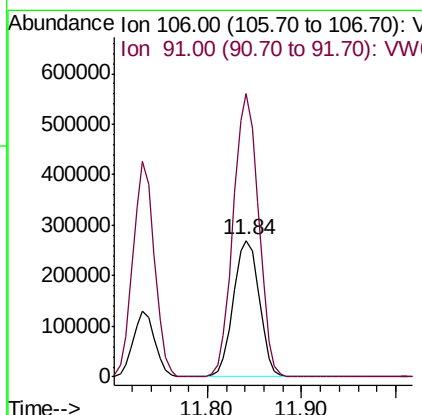
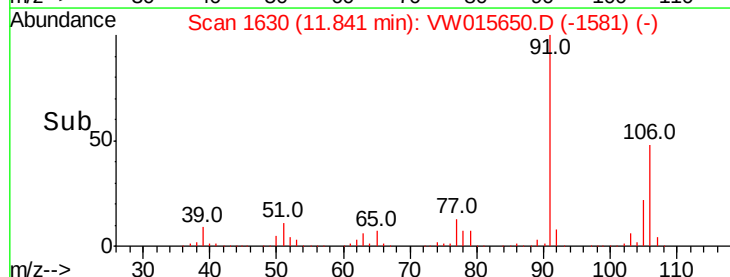
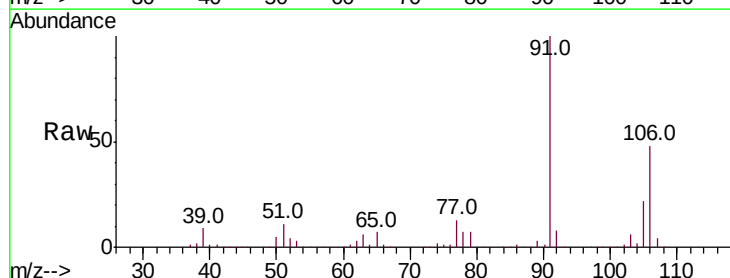
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

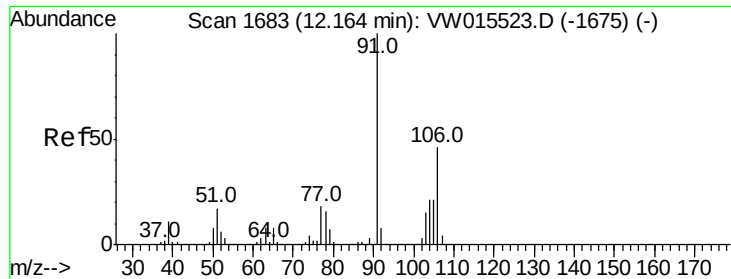
Tot Ion: 91 Resp: 679489
Ion Ratio Lower Upper
91 100
106 30.3 24.5 36.7



#68
m/p-Xylenes
Concen: 106.654 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion: 106 Resp: 516815
Ion Ratio Lower Upper
106 100
91 202.7 163.5 245.3

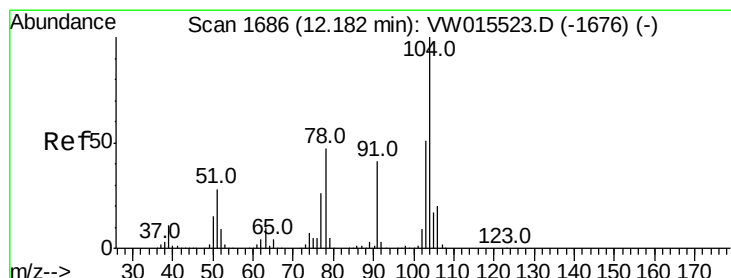
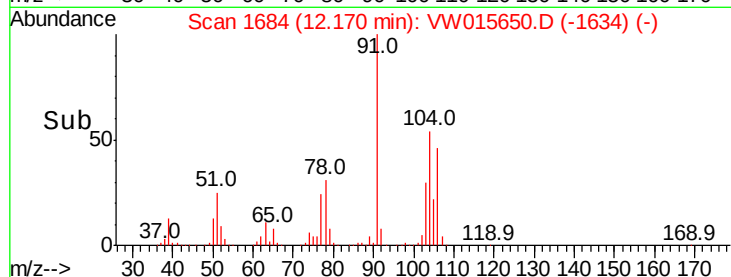
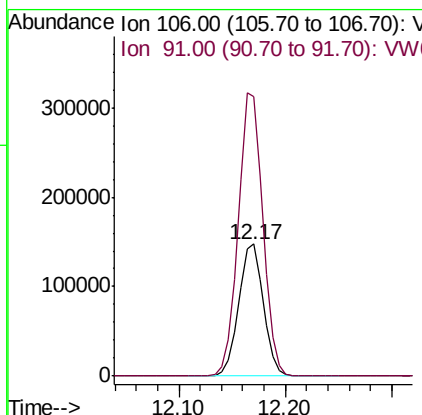
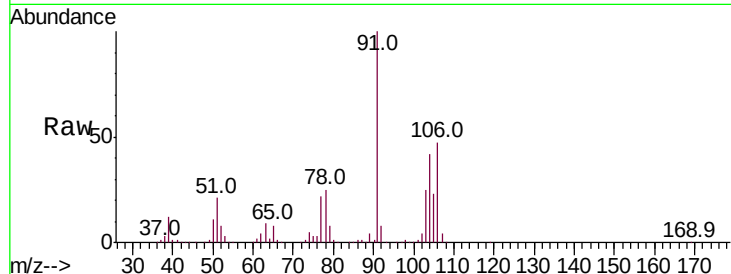




#69
o-Xylene
Concen: 53.105 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

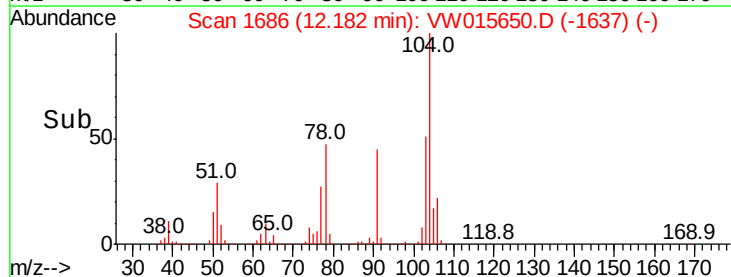
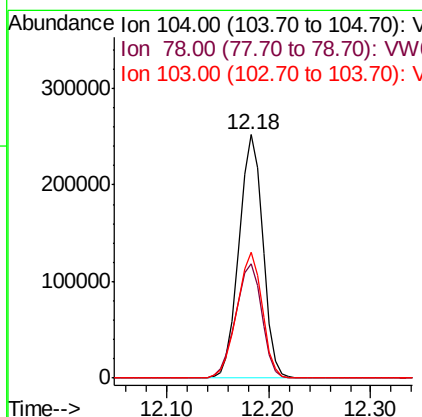
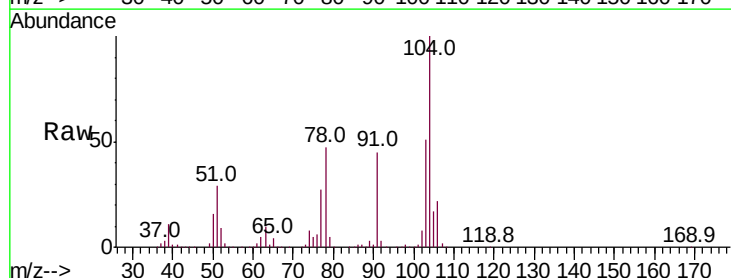
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

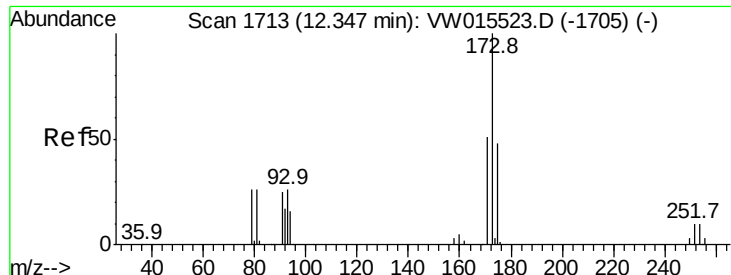
Tot Ion:106 Resp: 239714
Ion Ratio Lower Upper
106 100
91 214.5 107.8 323.4



#70
Styrene
Concen: 52.666 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion:104 Resp: 406042
Ion Ratio Lower Upper
104 100
78 51.8 41.7 62.5
103 54.8 43.8 65.8





#71

Bromoform

Concen: 52.763 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

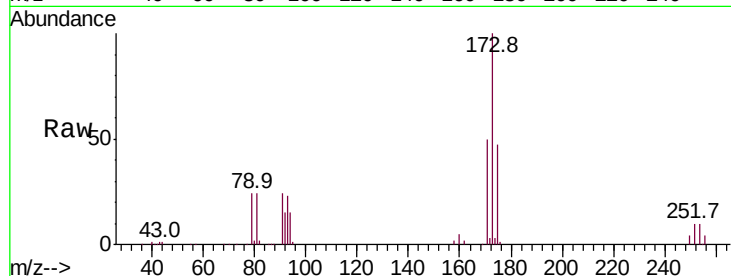
Tot Ion:173 Resp: 62470

Ion Ratio Lower Upper

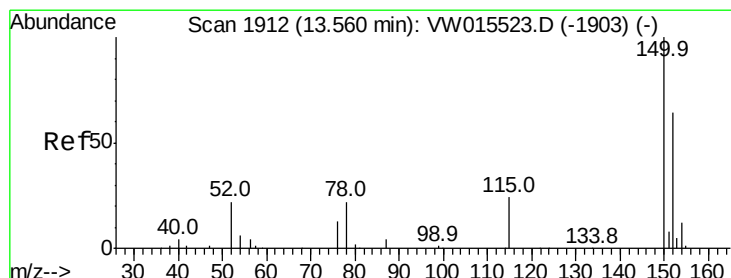
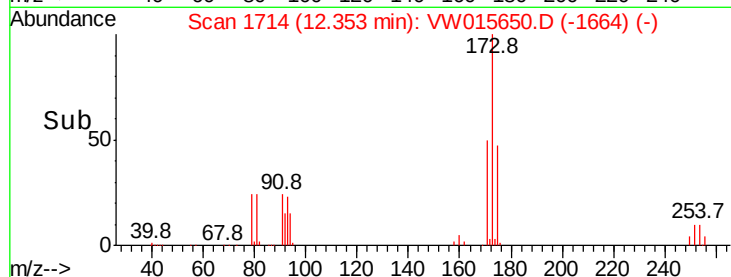
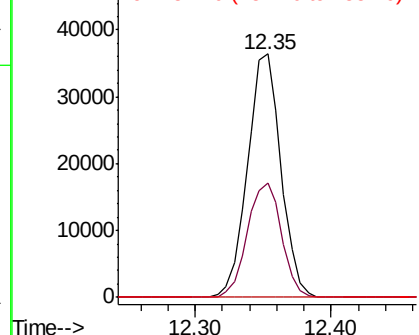
173 100

175 48.3 24.8 74.3

254 0.1 0.0 0.0#



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: VW015650.D

Acq: 22 Jun 2020 15:39

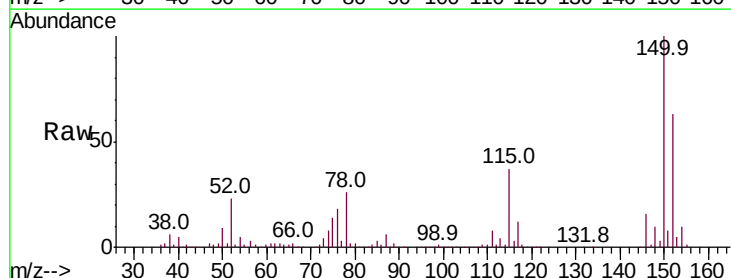
Tgt Ion:152 Resp: 173585

Ion Ratio Lower Upper

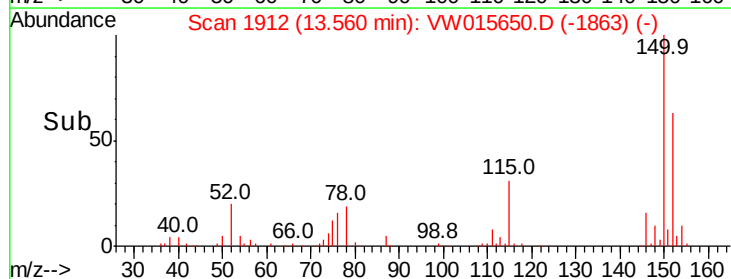
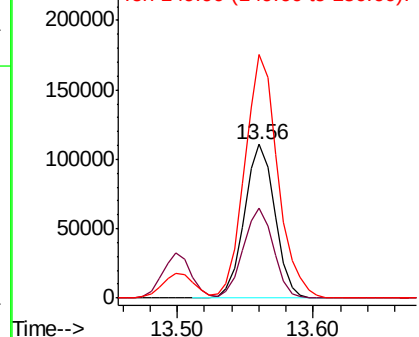
152 100

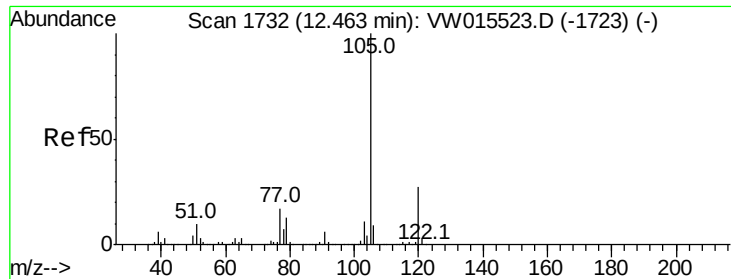
115 57.9 30.0 90.0

150 170.8 0.0 351.0



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

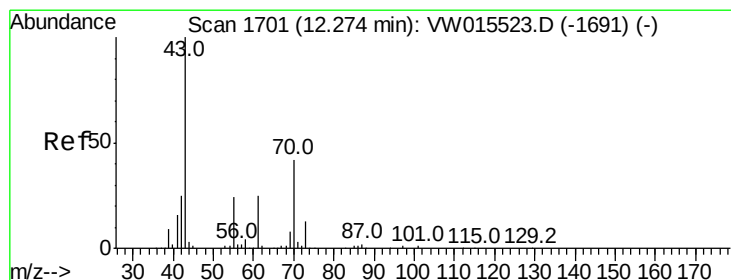
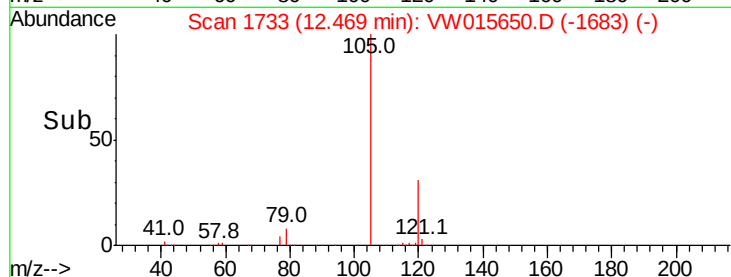
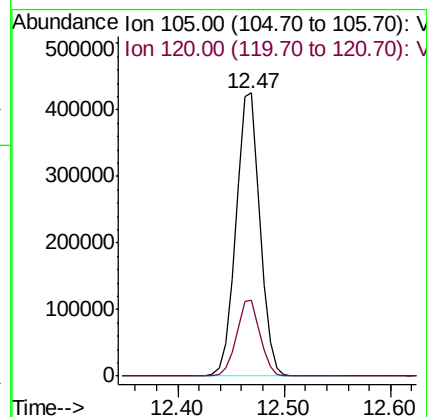
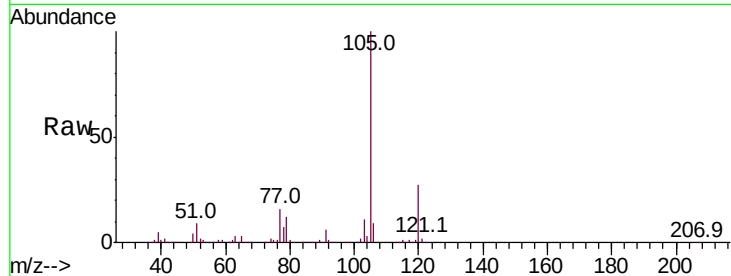




#73
Isopropylbenzene
Concen: 50.525 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

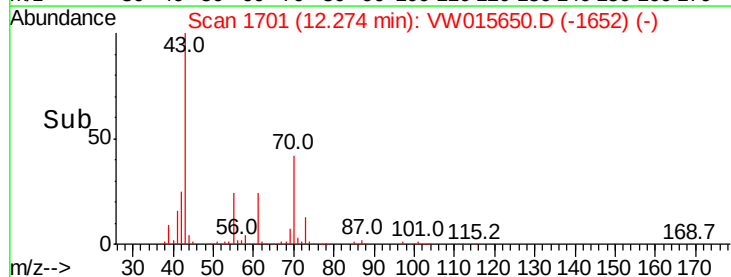
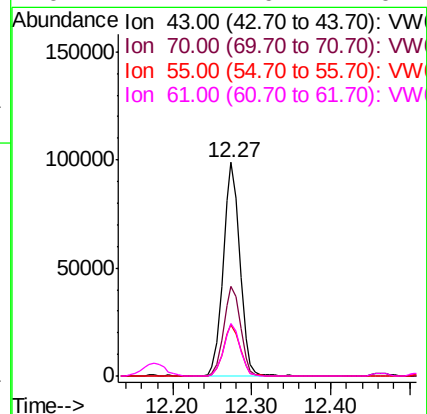
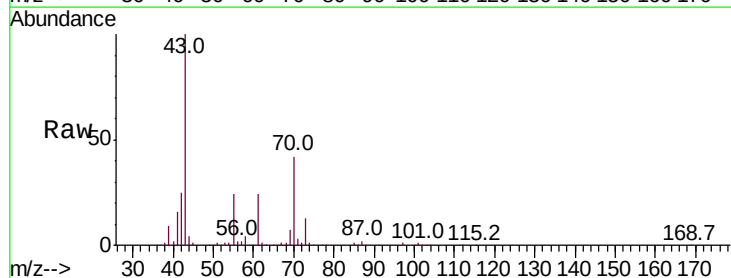
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

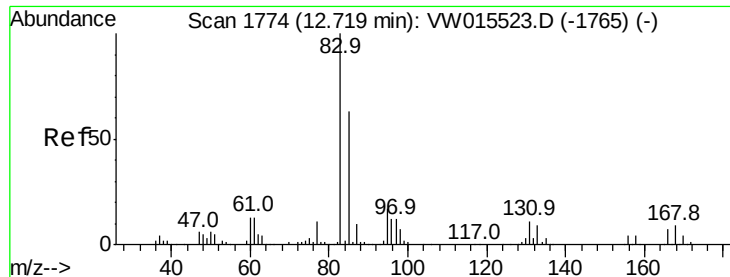
Tot Ion:105 Resp: 670565
Ion Ratio Lower Upper
105 100
120 26.4 13.0 38.9



#74
N-ethyl acetate
Concen: 51.210 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion: 43 Resp: 145887
Ion Ratio Lower Upper
43 100
70 42.7 33.6 50.4
55 24.4 19.1 28.7
61 24.1 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.003 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

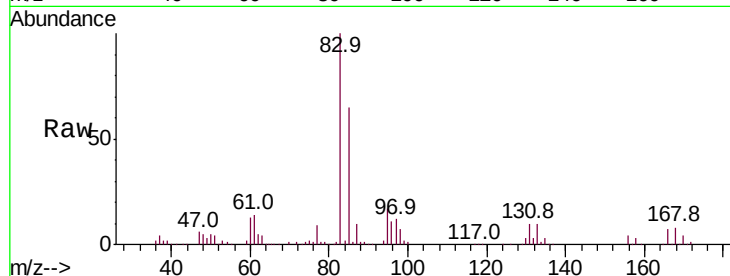
Tot Ion: 83 Resp: 106349

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	63.7	32.0	96.0

83 100

131 10.7 5.3 16.1

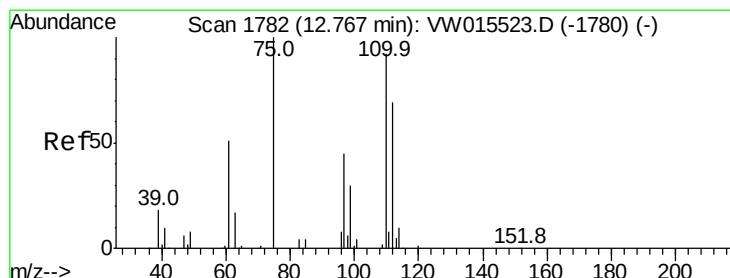
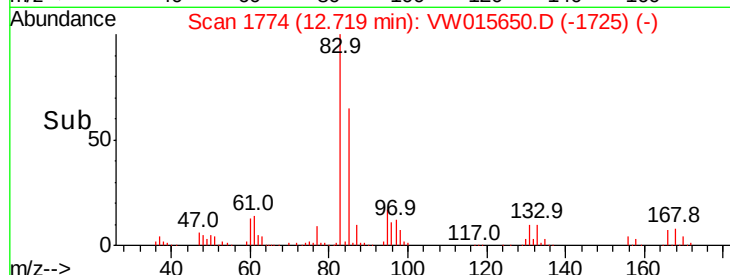
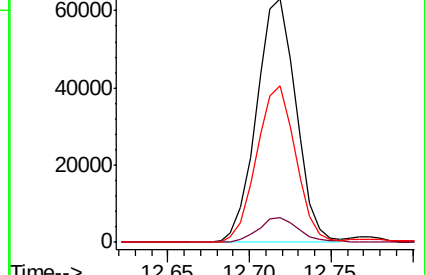
85 63.7 32.0 96.0



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: 95.805 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015650.D

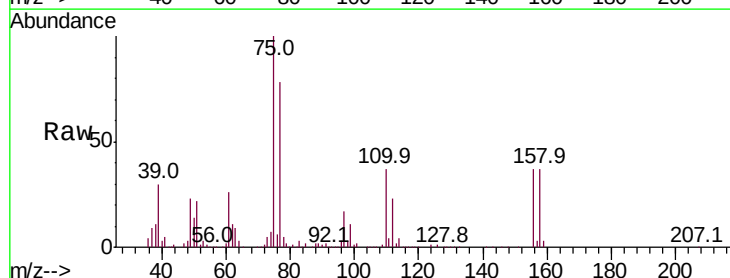
Acq: 22 Jun 2020 15:39

Tgt Ion: 75 Resp: 140238

Ion	Ratio	Lower	Upper
75	100		
77	199.1	0.0	0.0#

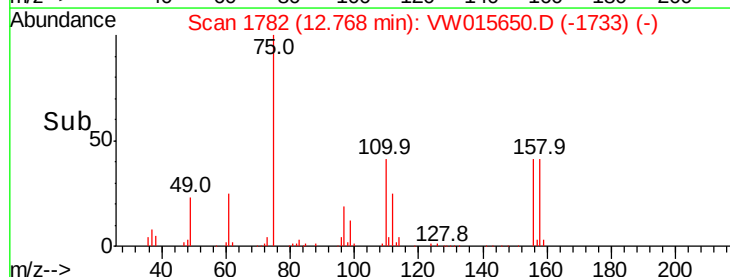
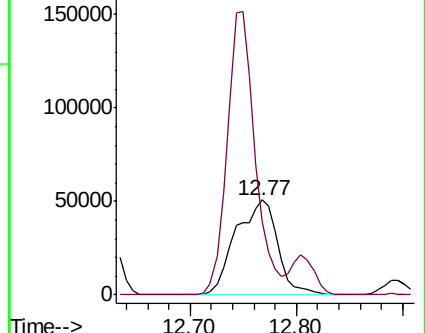
75 100

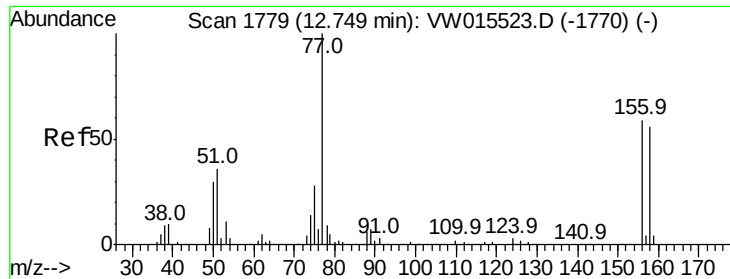
77 199.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.288 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

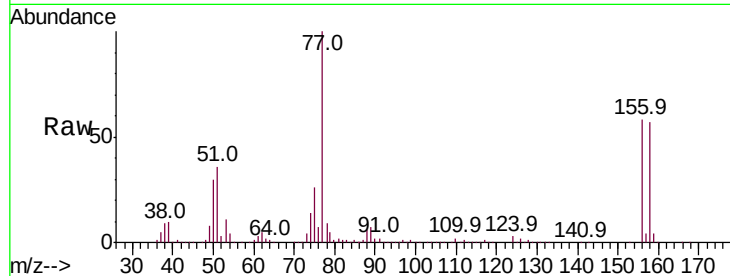
Tot Ion:156 Resp: 144121

Ion Ratio Lower Upper

156 100

77 193.7 97.3 291.8

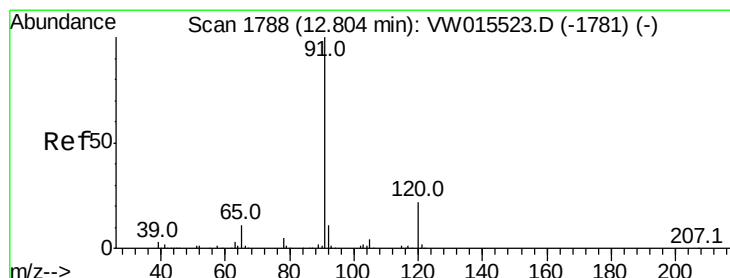
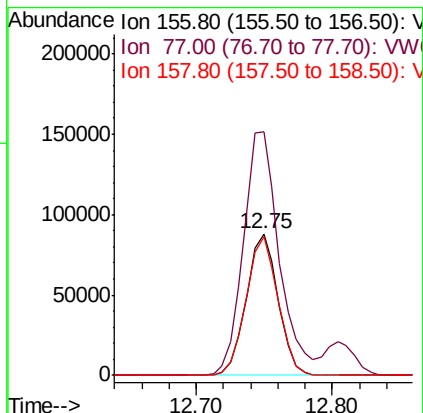
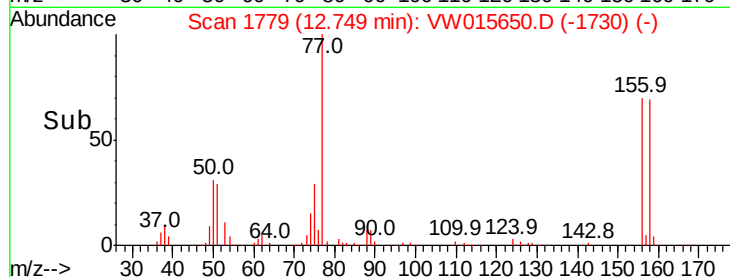
158 98.2 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.814 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015650.D

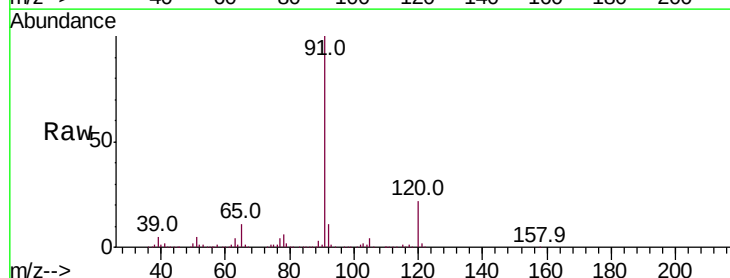
Acq: 22 Jun 2020 15:39

Tgt Ion: 91 Resp: 805735

Ion Ratio Lower Upper

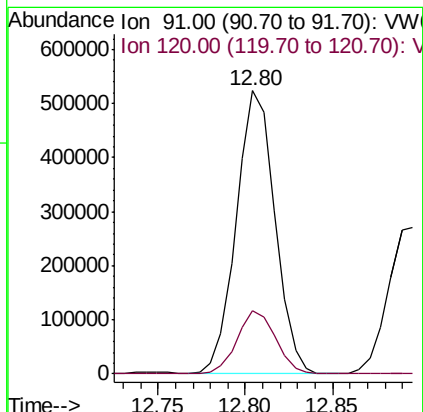
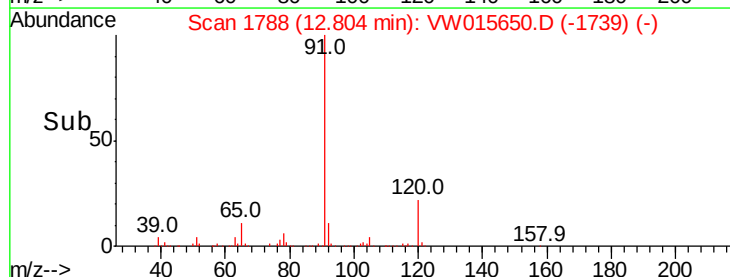
91 100

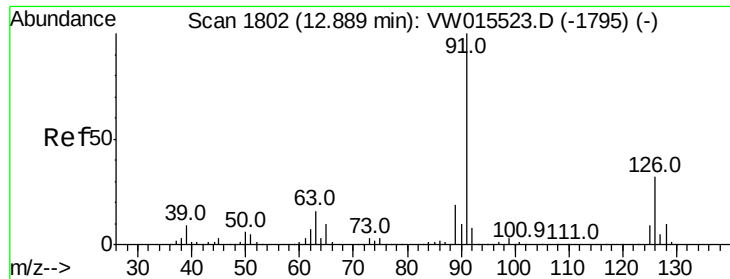
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.657 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

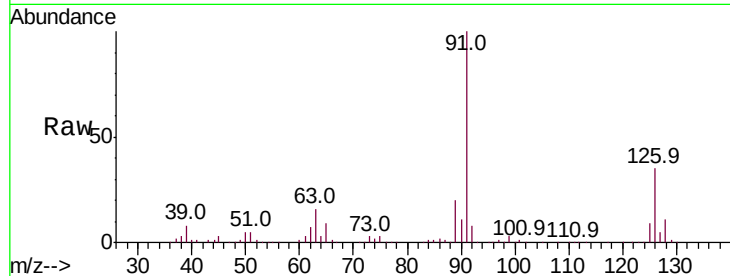
VSTDCCC050EC

Tot Ion: 91 Resp: 446933

Ion Ratio Lower Upper

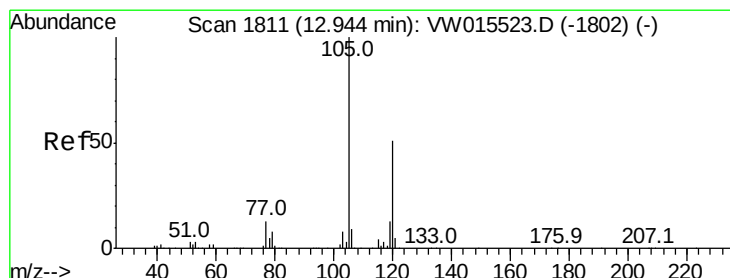
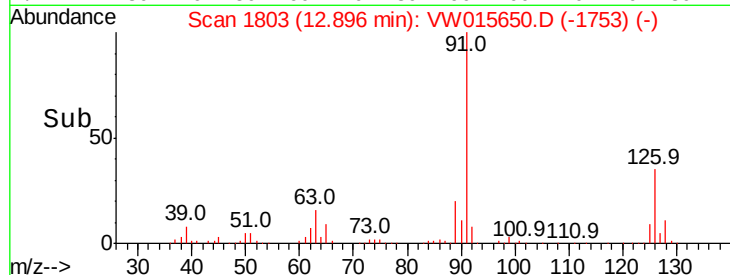
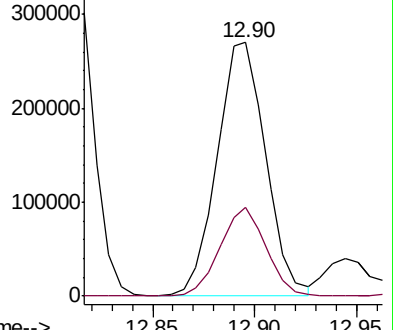
91 100

126 33.1 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.032 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015650.D

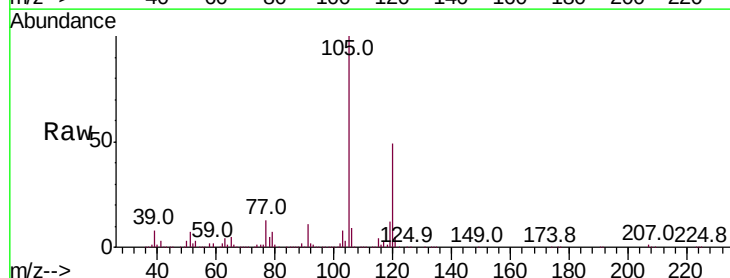
Acq: 22 Jun 2020 15:39

Tgt Ion:105 Resp: 559592

Ion Ratio Lower Upper

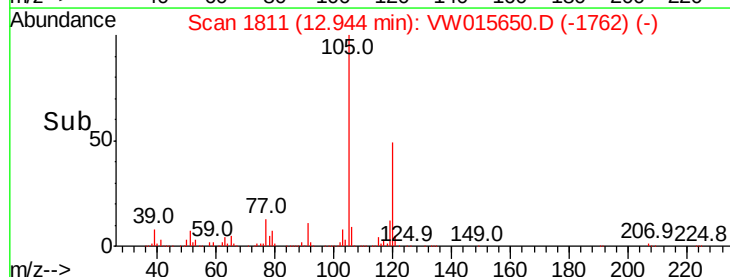
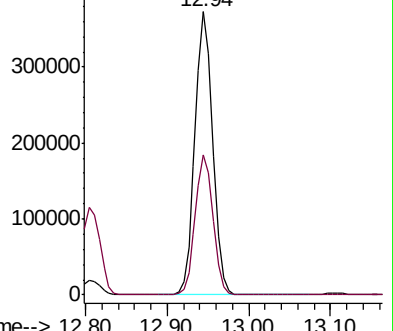
105 100

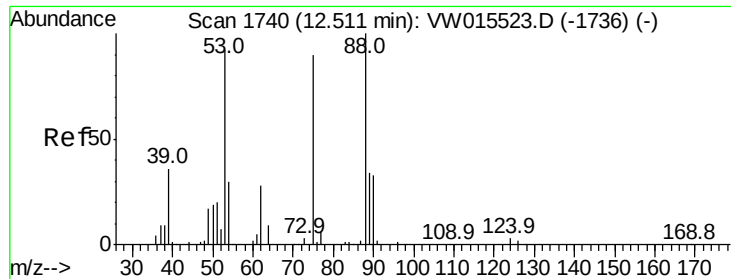
120 49.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

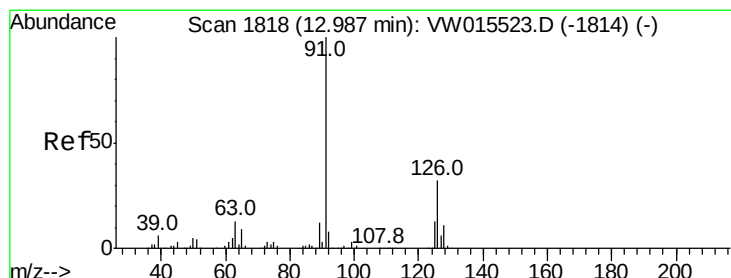
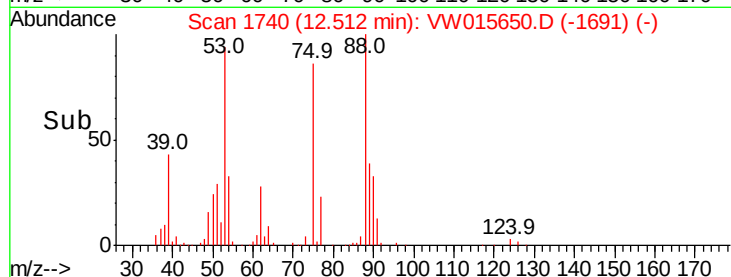
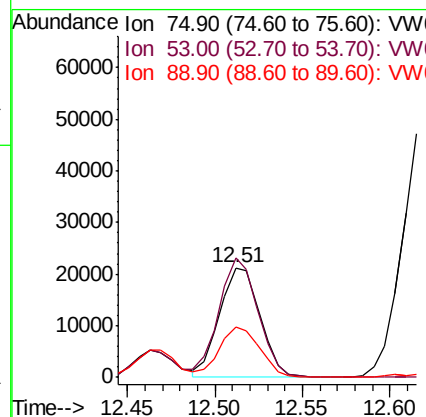
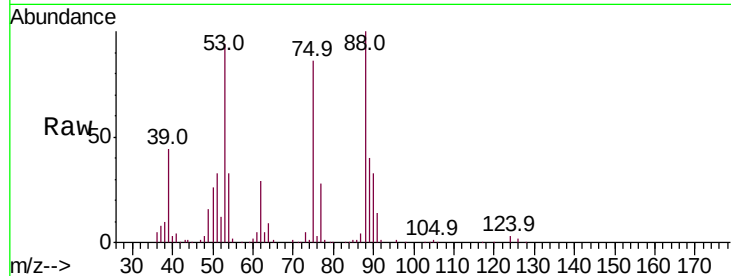




#81
trans-1,4-Dichloro-2-butene
Concen: 50.682 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

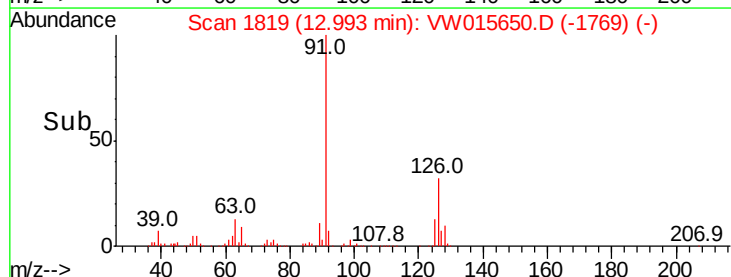
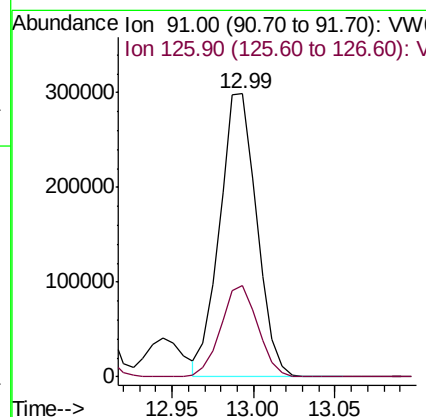
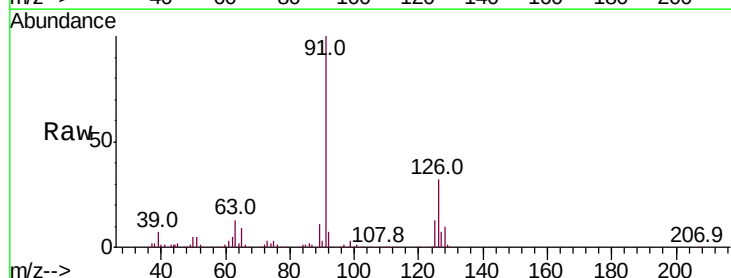
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

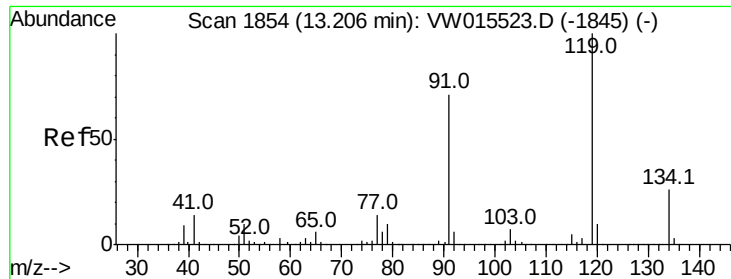
Tot Ion: 75 Resp: 34442
Ion Ratio Lower Upper
75 100
53 105.2 84.0 126.0
89 45.5 36.6 55.0



#82
4-Chlorotoluene
Concen: 50.997 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion: 91 Resp: 473876
Ion Ratio Lower Upper
91 100
126 32.4 16.4 49.4

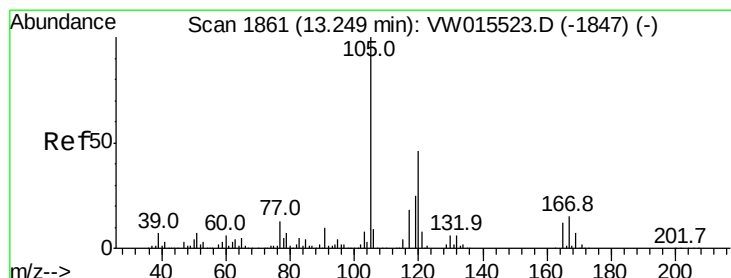
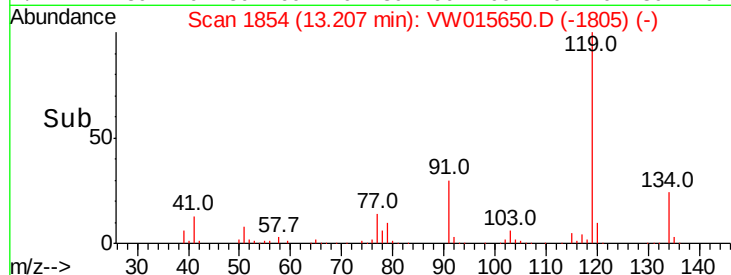
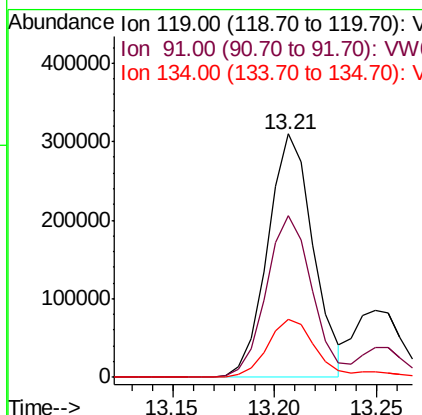
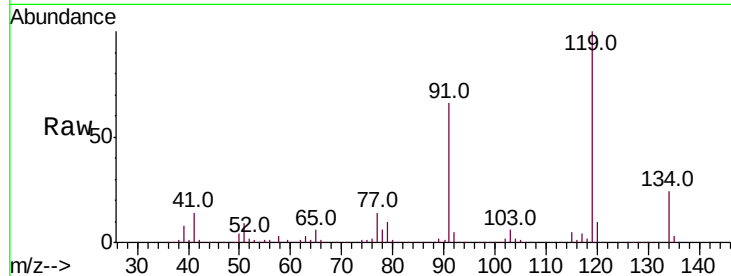




#83
 tert-Butylbenzene
 Concen: 50.520 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

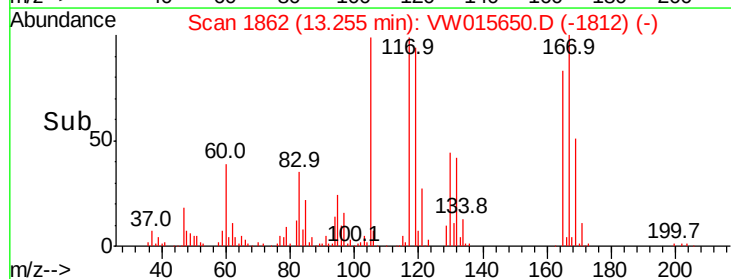
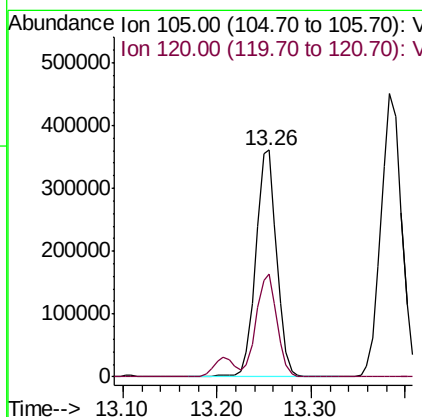
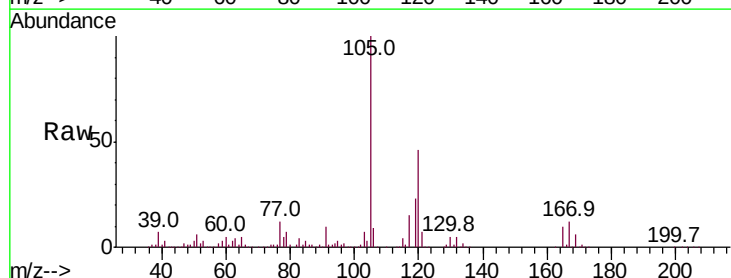
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

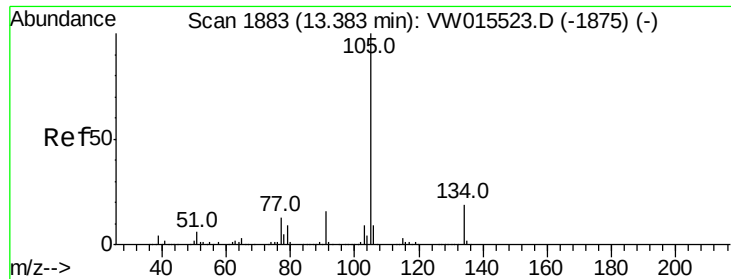
Tot Ion:119 Resp: 482226
 Ion Ratio Lower Upper
 119 100
 91 67.5 34.2 102.5
 134 26.7 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.472 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion:105 Resp: 564135
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.8

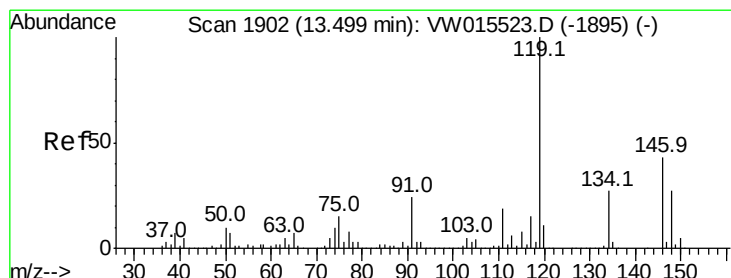
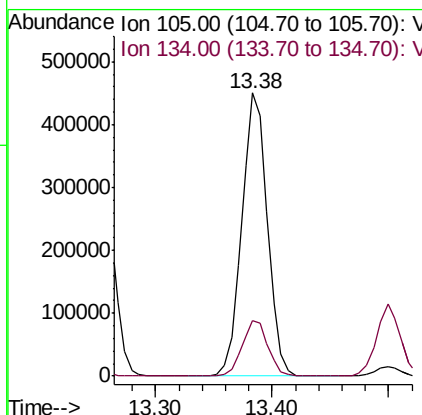
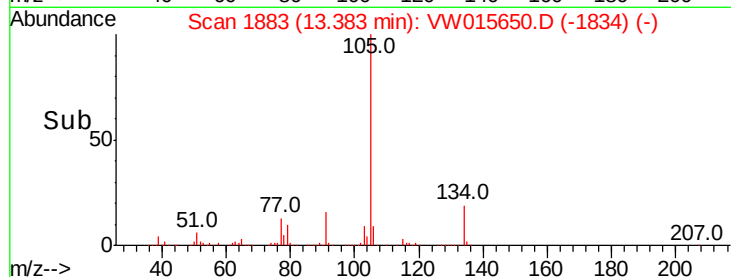
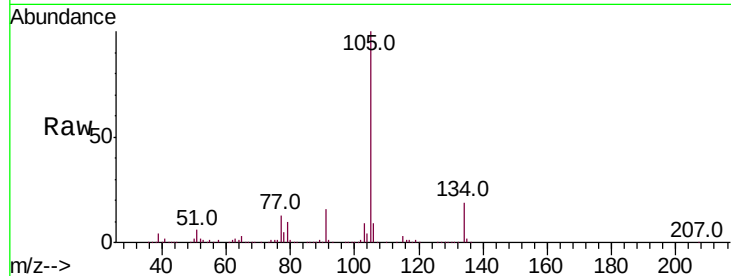




#85
 sec-Butylbenzene
 Concen: 51.020 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

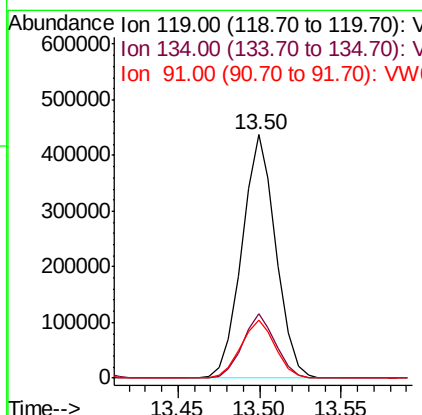
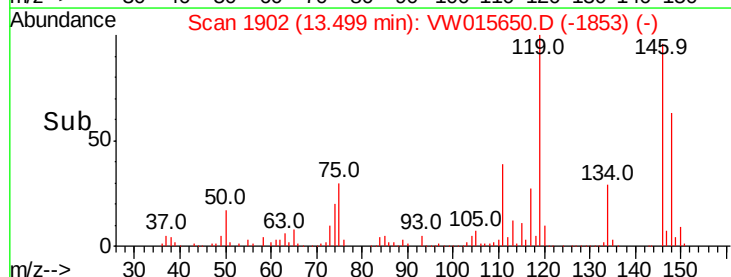
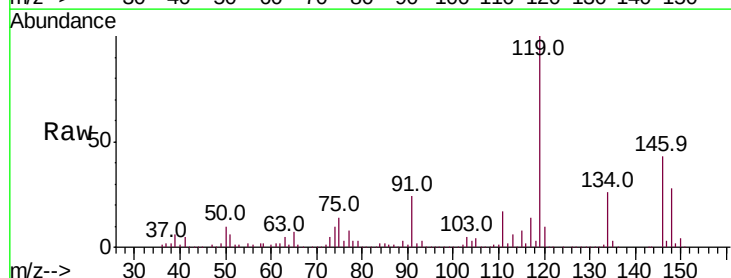
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

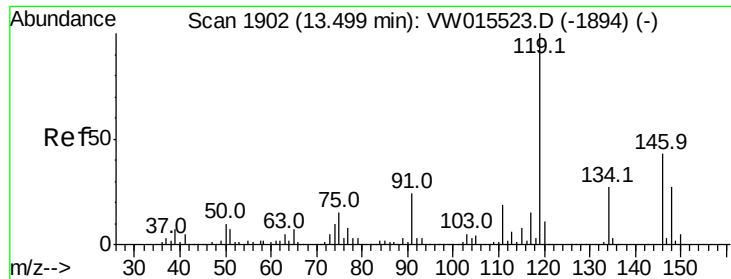
Tot Ion:105 Resp: 687276
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 51.053 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion:119 Resp: 629939
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.5
 91 24.1 12.0 36.0

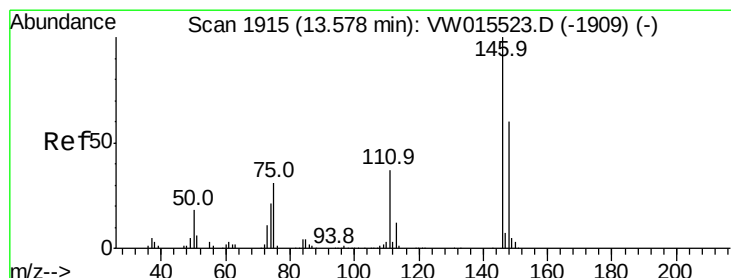
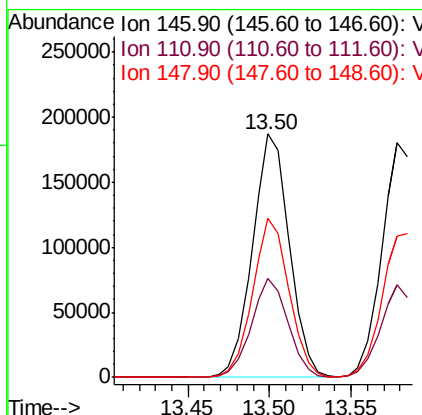
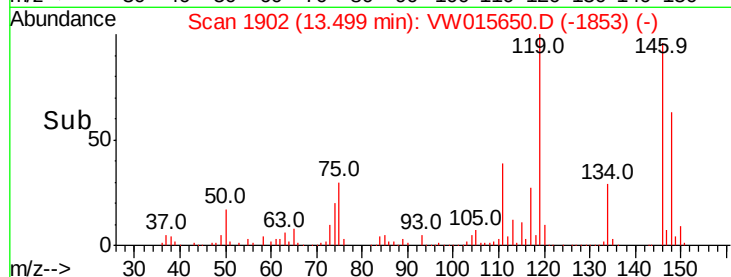
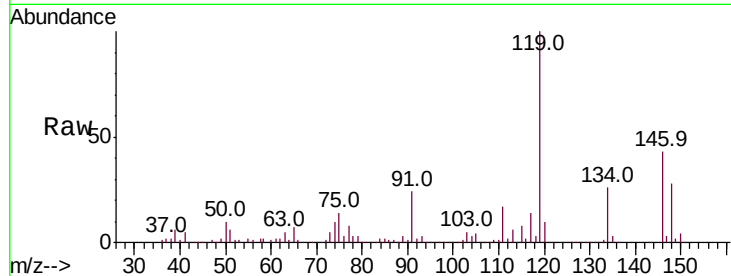




#87
 1,3-Dichlorobenzene
 Concen: 51.451 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

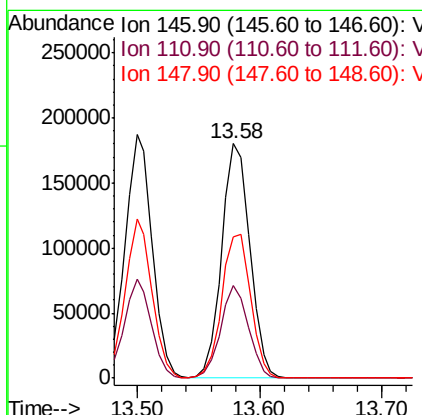
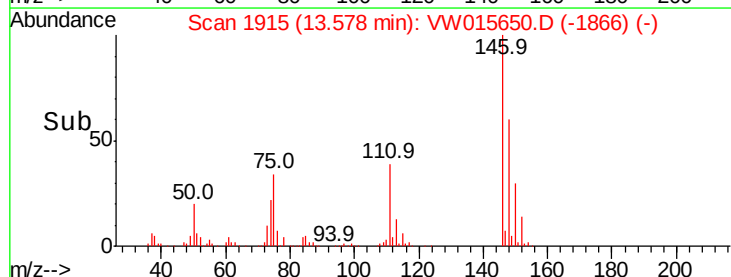
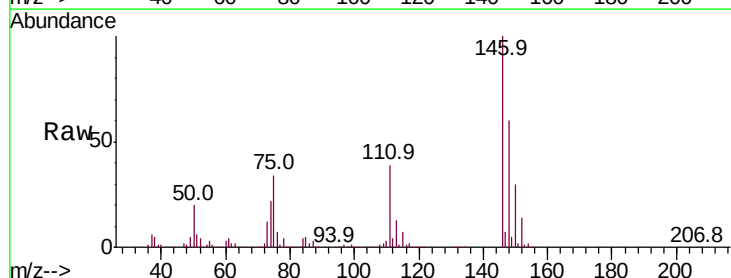
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

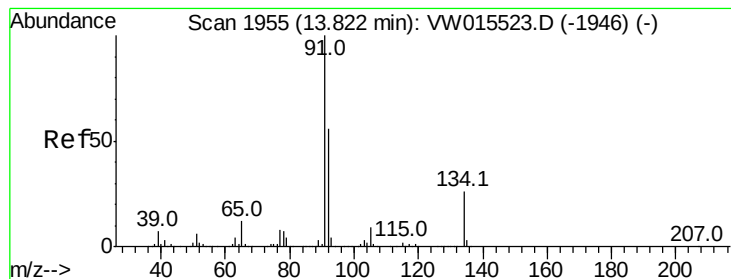
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.5
148	64.4	31.2	93.6



#88
 1,4-Dichlorobenzene
 Concen: 50.750 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	63.1	30.9	92.7





#89

n-Butylbenzene

Concen: 51.047 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015650.D

Acq: 22 Jun 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

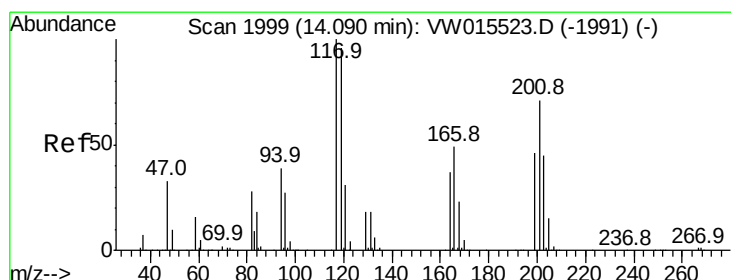
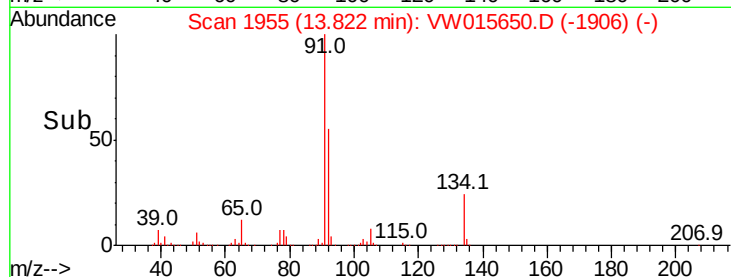
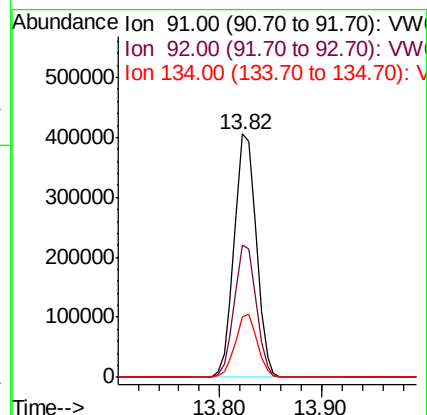
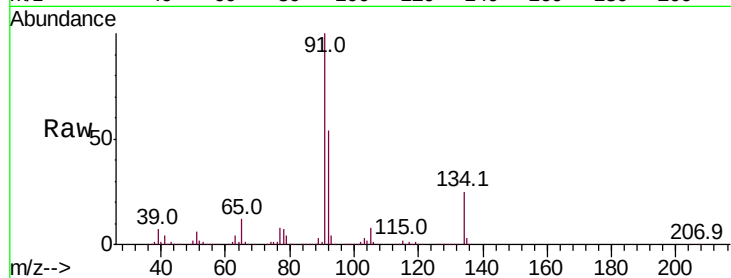
Tot Ion: 91 Resp: 604619

Ion Ratio Lower Upper

91 100

92 54.1 27.3 81.9

134 25.6 13.1 39.1



#90

Hexachloroethane

Concen: 49.415 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW015650.D

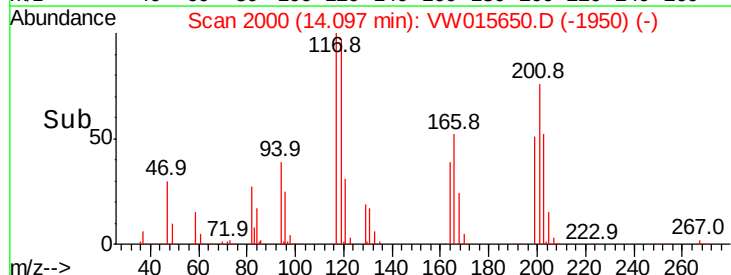
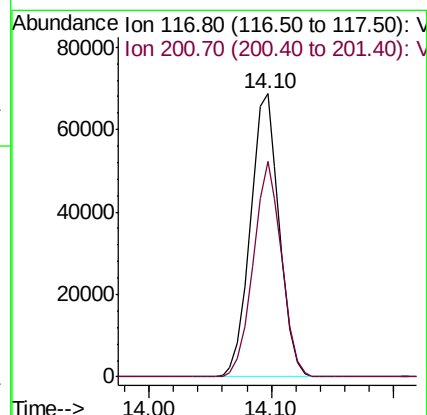
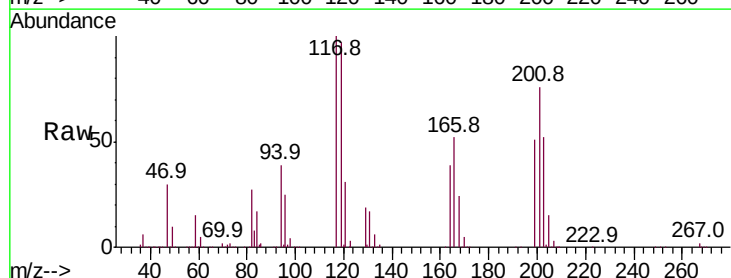
Acq: 22 Jun 2020 15:39

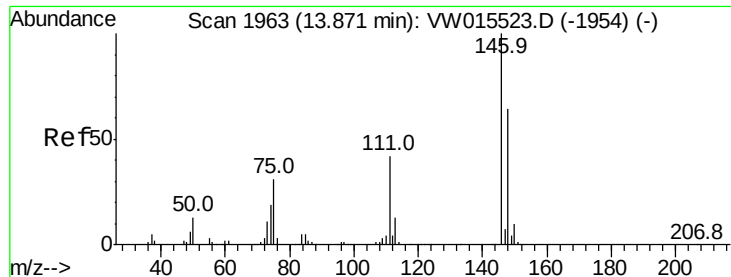
Tgt Ion: 117 Resp: 112160

Ion Ratio Lower Upper

117 100

201 74.8 38.5 115.3

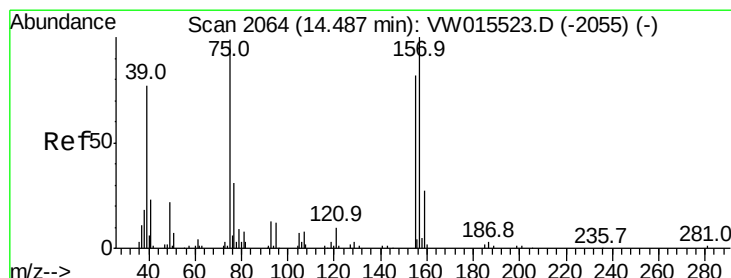
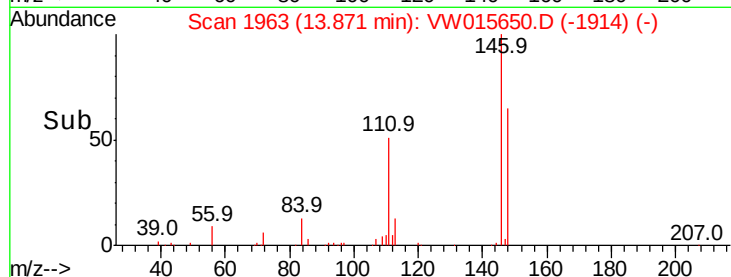
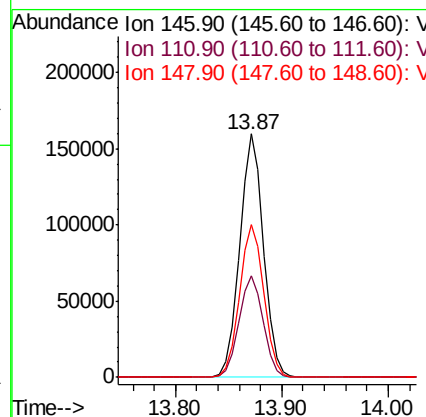
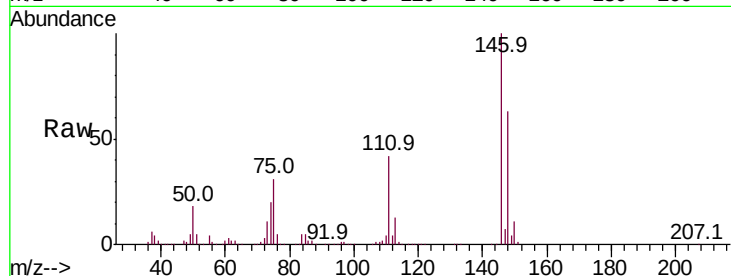




#91
 1,2-Dichlorobenzene
 Concen: 50.365 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

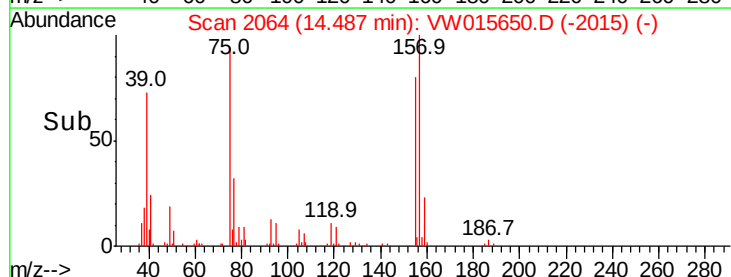
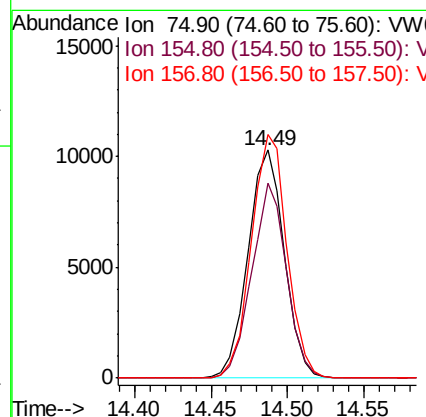
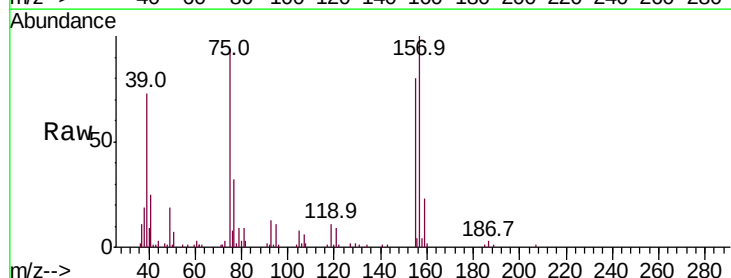
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

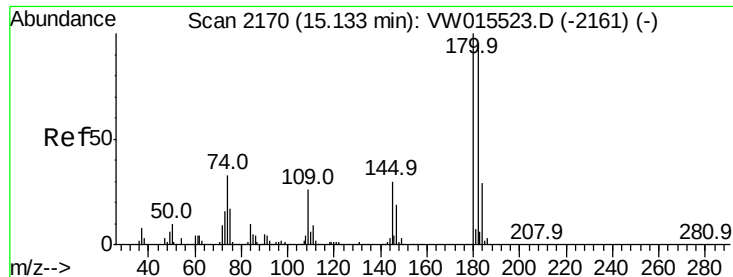
Tot Ion:146 Resp: 250017
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.9 62.8
 148 64.0 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.120 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015650.D
 Acq: 22 Jun 2020 15:39

Tgt Ion: 75 Resp: 16966
 Ion Ratio Lower Upper
 75 100
 155 81.6 40.4 121.1
 157 104.7 50.5 151.6



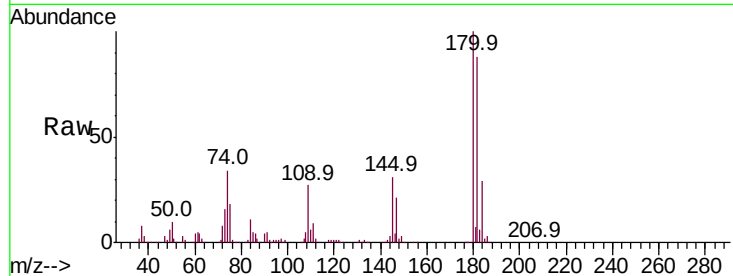


#93

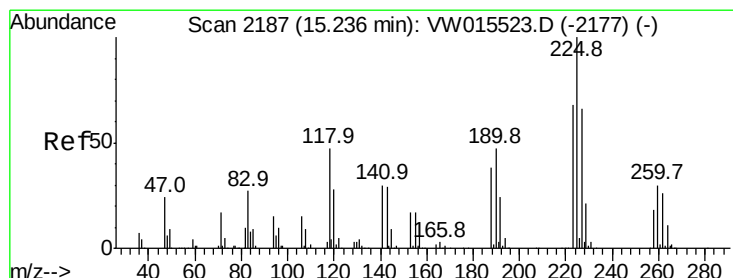
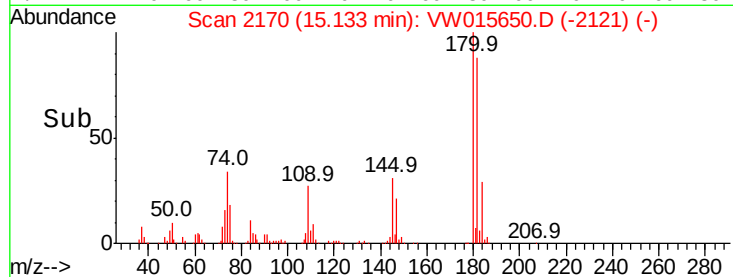
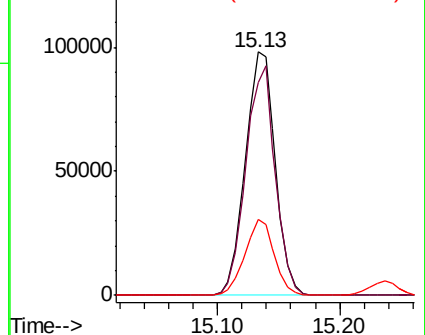
1,2,4-Trichlorobenzene
Concen: 48.942 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.7	143.1
145	30.4	15.4	46.2



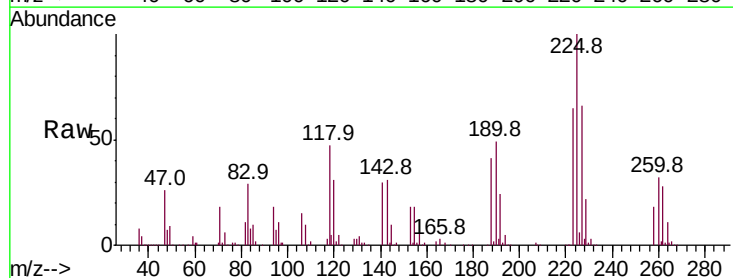
Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



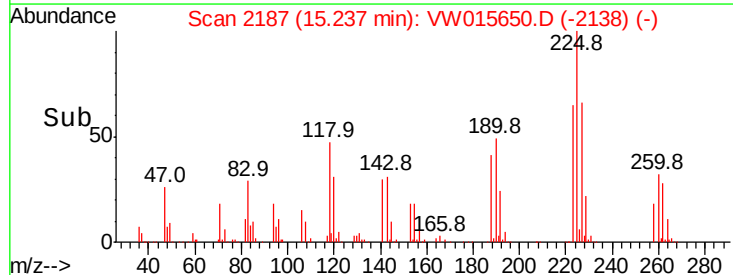
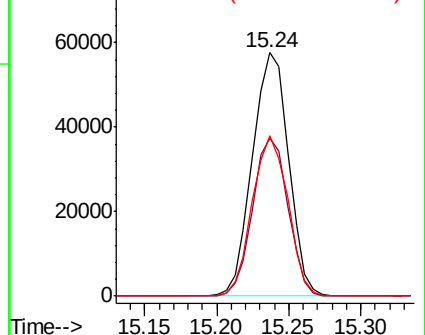
#94

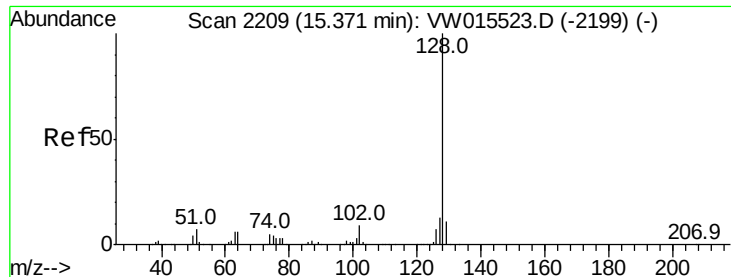
Hexachlorobutadiene
Concen: 48.082 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.8	95.4
227	65.0	32.6	97.8



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

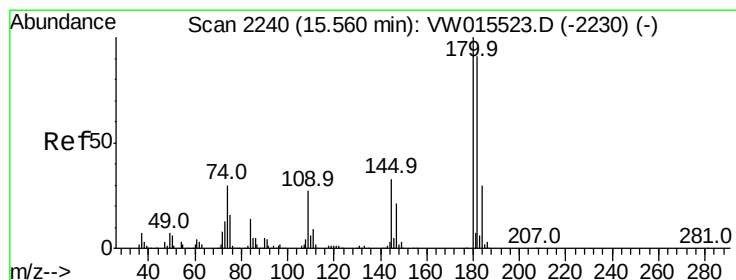
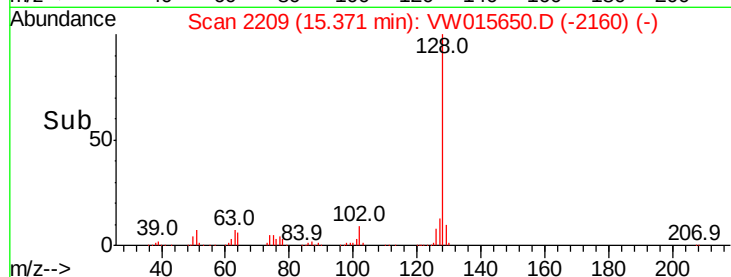
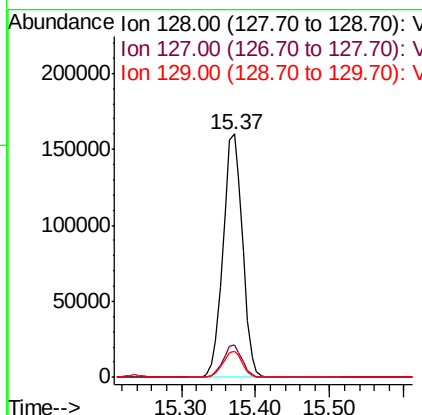
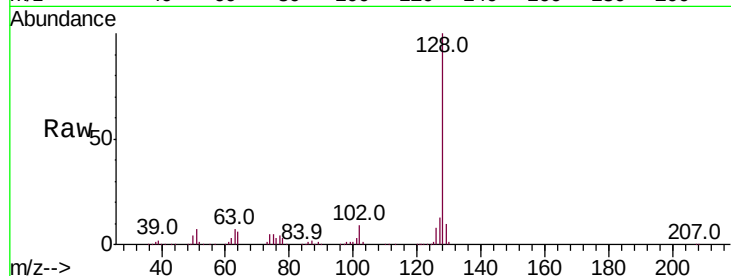




#95
Naphthalene
Concen: 50.307 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 290136
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.255 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015650.D
Acq: 22 Jun 2020 15:39

Tgt Ion:180 Resp: 141485
Ion Ratio Lower Upper
180 100
182 93.8 47.1 141.4
145 32.7 16.3 48.8

