

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100719\
 Data File : VW013452.D
 Acq On : 07 Oct 2019 10:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 07 16:48:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	424574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	213677	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	137830	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
35) Dibromofluoromethane	7.88	113	144117	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
50) Toluene-d8	10.32	98	599050	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
62) 4-Bromofluorobenzene	12.62	95	204633	56.49	ug/l	0.00
Spiked Amount			Recovery	=	112.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	77918	58.132	ug/l	96
3) Chloromethane	2.21	50	116935	52.868	ug/l	98
4) Vinyl Chloride	2.36	62	174375	55.550	ug/l	98
5) Bromomethane	2.78	94	101888	52.831	ug/l	96
6) Chloroethane	2.92	64	96934	53.478	ug/l	98
7) Trichlorofluoromethane	3.25	101	86237	63.323	ug/l	97
8) Diethyl Ether	3.68	74	83651	53.069	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	164107	54.352	ug/l	99
10) Methyl Iodide	4.26	142	265577	54.466	ug/l	99
11) Tert butyl alcohol	5.18	59	55503	260.603	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	174729	54.773	ug/l	99
13) Acrolein	3.89	56	78151	296.663	ug/l	98
14) Allyl chloride	4.66	41	276466	58.584	ug/l	98
15) Acrylonitrile	5.37	53	184493	258.914	ug/l	98
16) Acetone	4.13	43	205494	259.094	ug/l	97
17) Carbon Disulfide	4.38	76	502664	56.483	ug/l	98
18) Methyl Acetate	4.67	43	92663	49.917	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	256560	54.644	ug/l	98
20) Methylene Chloride	4.91	84	171550	51.878	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	184301	54.250	ug/l	98
22) Diisopropyl ether	6.31	45	504006	55.303	ug/l	98
23) Vinyl Acetate	6.25	43	1538528	281.342	ug/l	98
24) 1,1-Dichloroethane	6.21	63	304467	54.849	ug/l	99
25) 2-Butanone	7.17	43	260789	256.969	ug/l	93
26) 2,2-Dichloropropane	7.16	77	187989	58.826	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	195431	54.958	ug/l	98
28) Bromochloromethane	7.51	49	114310	56.956	ug/l	96
29) Tetrahydrofuran	7.52	42	154303	260.961	ug/l	99
30) Chloroform	7.67	83	292431	53.726	ug/l	99
31) Cyclohexane	7.95	56	307009	51.862	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	240134	56.314	ug/l	98
36) 1,1-Dichloropropene	8.08	75	252451	54.560	ug/l	99
37) Ethyl Acetate	7.25	43	107880	52.819	ug/l	98
38) Carbon Tetrachloride	8.07	117	224918	56.115	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	328780	53.954	ug/l	98
40) Benzene	8.32	78	707866	54.043	ug/l	100
41) Methacrylonitrile	7.48	41	64597	52.464	ug/l	98
42) 1,2-Dichloroethane	8.40	62	179387	53.287	ug/l	97
43) Isopropyl Acetate	8.42	43	201177	52.343	ug/l	100
44) Trichloroethene	9.09	130	202337	54.857	ug/l	95
45) 1,2-Dichloropropane	9.37	63	172435	54.831	ug/l	99
46) Dibromomethane	9.46	93	82712	52.803	ug/l	97
47) Bromodichloromethane	9.64	83	214605	55.653	ug/l	96
48) Methyl methacrylate	9.43	41	100433	54.384	ug/l	98
49) 1,4-Dioxane	9.47	88	27971	1161.294	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	513402	254.244	ug/l	98
52) Toluene	10.38	92	455447	53.910	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	228544	56.980	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	272817	56.100	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	124132	53.122	ug/l	98
56) Ethyl methacrylate	10.65	69	171906	54.656	ug/l	98
57) 1,3-Dichloropropane	10.93	76	214917	52.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	348295	269.580	ug/l	99
59) 2-Hexanone	10.97	43	395399	282.498	ug/l	99
60) Dibromochloromethane	11.13	129	147980	55.356	ug/l	100
61) 1,2-Dibromoethane	11.23	107	118960	52.684	ug/l	100
64) Tetrachloroethene	10.86	164	171354	53.049	ug/l	99
65) Chlorobenzene	11.66	112	468798	53.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	167766	56.628	ug/l	100
67) Ethyl Benzene	11.73	91	859386	55.126	ug/l	98
68) m/p-Xylenes	11.84	106	663153	110.207	ug/l	99
69) o-Xylene	12.16	106	310315	55.777	ug/l	96
70) Styrene	12.18	104	538036	56.573	ug/l	99
71) Bromoform	12.35	173	92105	57.343	ug/l #	99
73) Isopropylbenzene	12.46	105	860542	55.057	ug/l	100
74) N-amyl acetate	12.27	43	183055	55.031	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	139434	52.706	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	180205	94.890	ug/l #	100
77) Bromobenzene	12.74	156	201294	53.635	ug/l	99
78) n-propylbenzene	12.80	91	998351	55.529	ug/l	99
79) 2-Chlorotoluene	12.89	91	552852	55.363	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	713644	54.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	49884	55.365	ug/l	93
82) 4-Chlorotoluene	12.99	91	575934	55.057	ug/l	100
83) tert-Butylbenzene	13.21	119	632920	55.809	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	705462	54.656	ug/l	99
85) sec-Butylbenzene	13.38	105	870010	55.642	ug/l	99
86) p-Isopropyltoluene	13.50	119	802842	55.404	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	384766	54.493	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	377253	53.362	ug/l	100
89) n-Butylbenzene	13.82	91	736088	56.344	ug/l	99
90) Hexachloroethane	14.09	117	140312	58.609	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	338671	54.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21812	55.122	ug/l	91

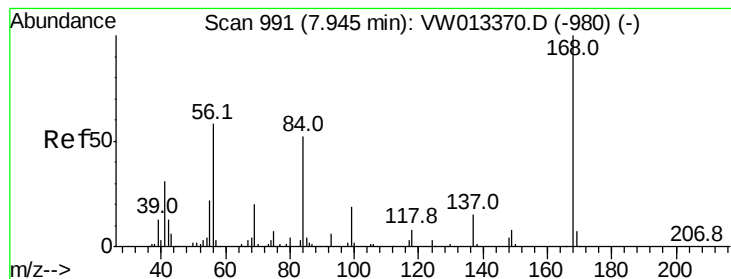
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	252047	56.267	ug/l	99
94) Hexachlorobutadiene	15.24	225	164312	56.467	ug/l	99
95) Naphthalene	15.36	128	434624	57.517	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	216640	55.392	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

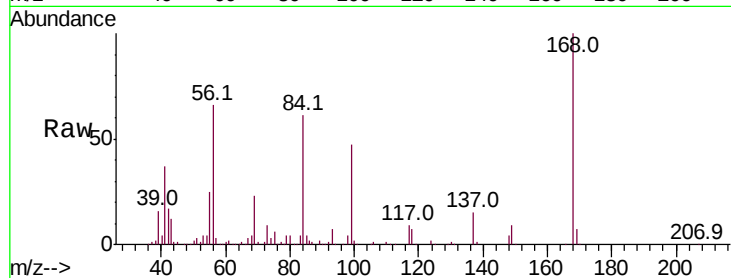
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 346541

Ion Ratio Lower Upper

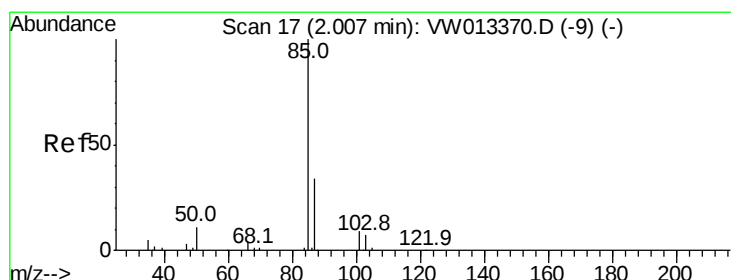
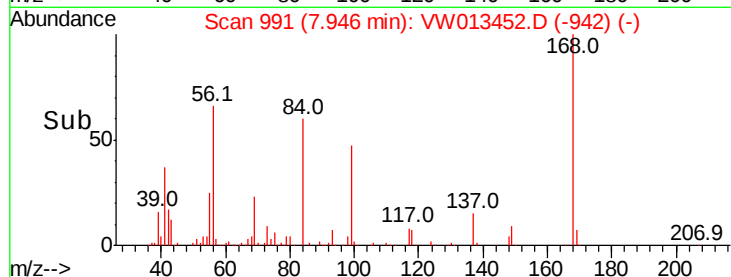
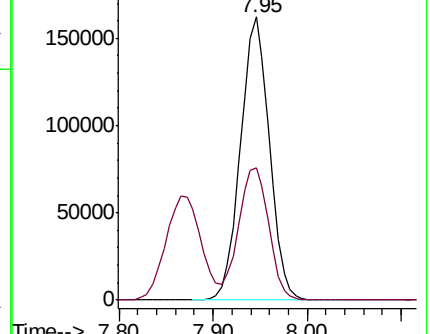
168 100

99 46.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 58.132 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013452.D

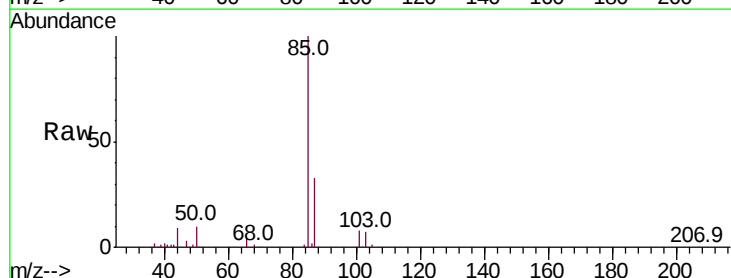
Acq: 07 Oct 2019 10:04

Tgt Ion: 85 Resp: 77918

Ion Ratio Lower Upper

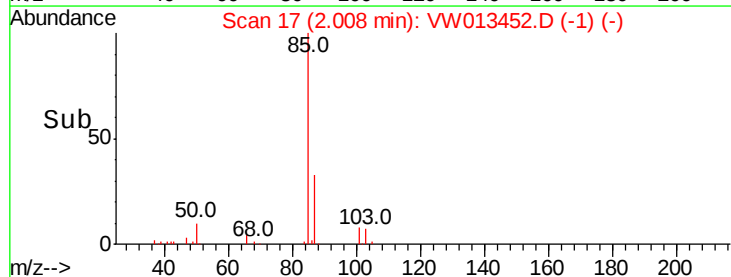
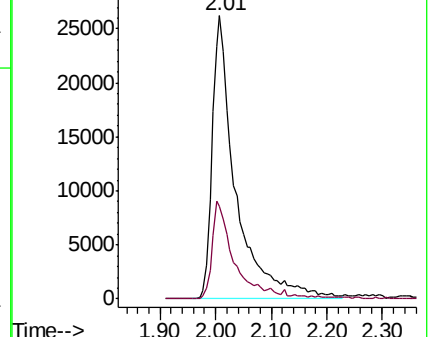
85 100

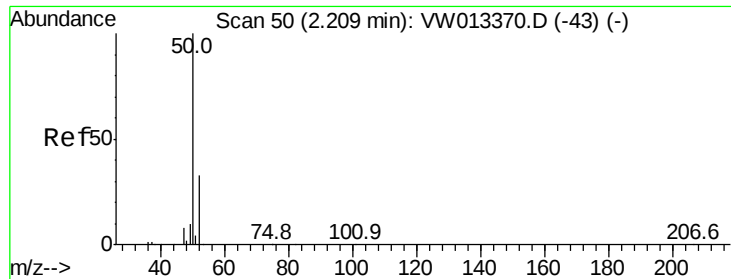
87 32.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.868 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

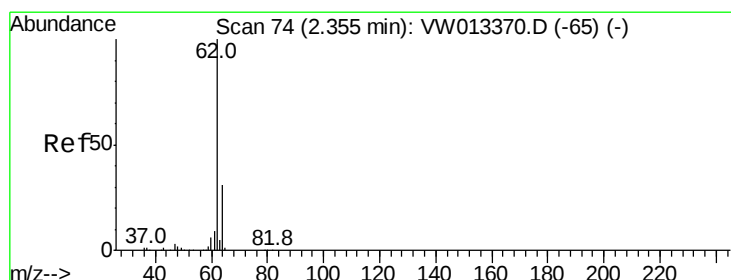
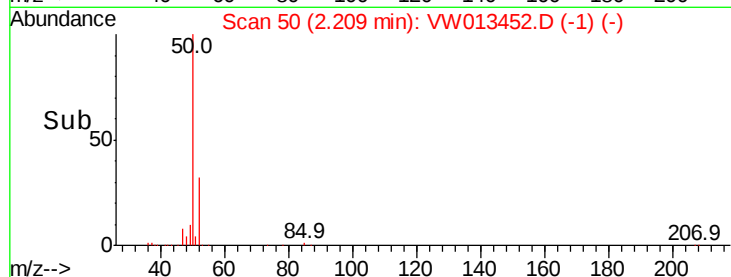
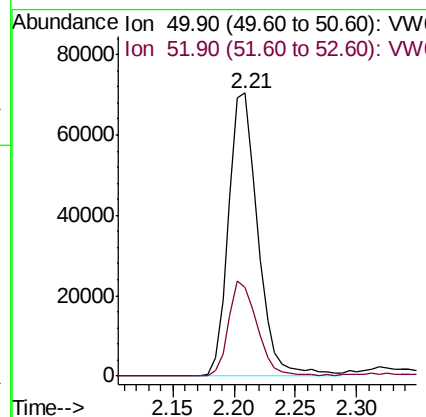
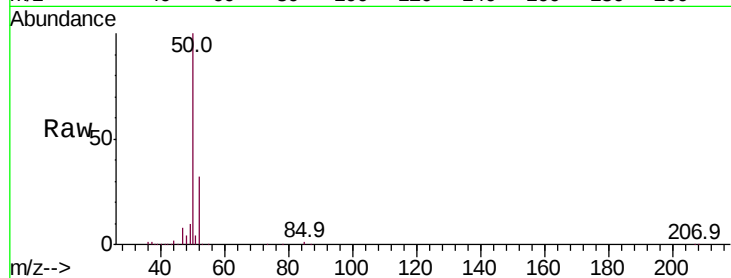
VSTDCCC050

Tot Ion: 50 Resp: 116935

Ion Ratio Lower Upper

50 100

52 31.6 26.1 39.1



#4

Vinyl Chloride

Concen: 55.550 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013452.D

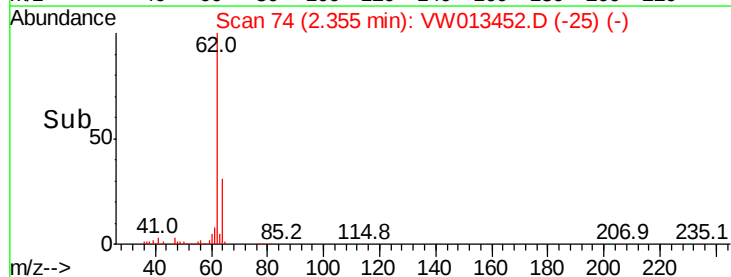
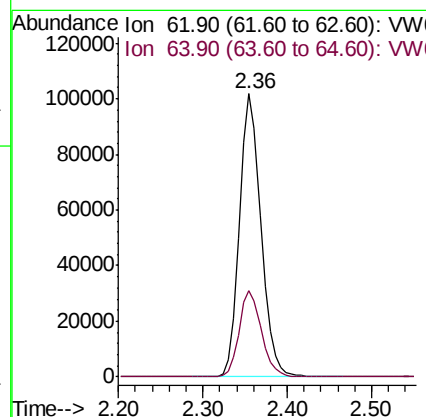
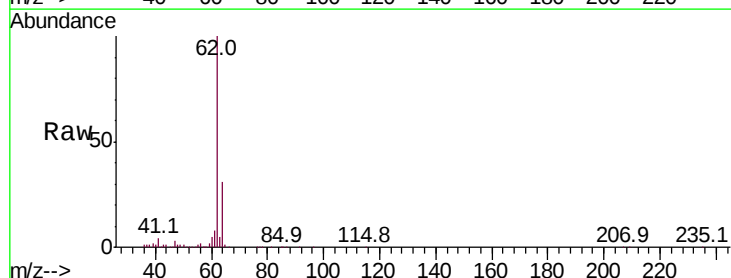
Acq: 07 Oct 2019 10:04

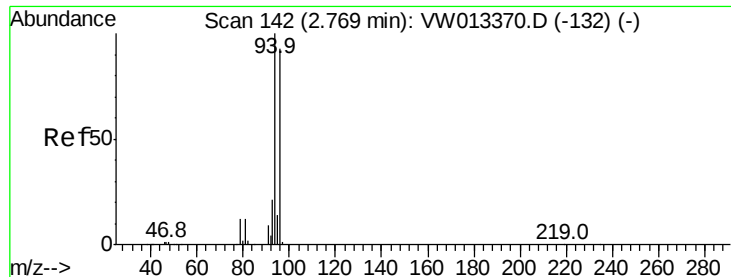
Tgt Ion: 62 Resp: 174375

Ion Ratio Lower Upper

62 100

64 30.5 25.3 37.9





#5

Bromomethane

Concen: 52.831 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

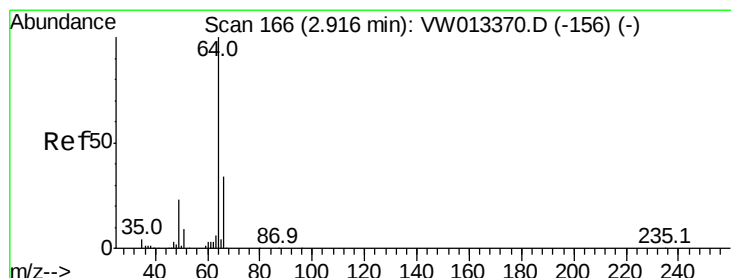
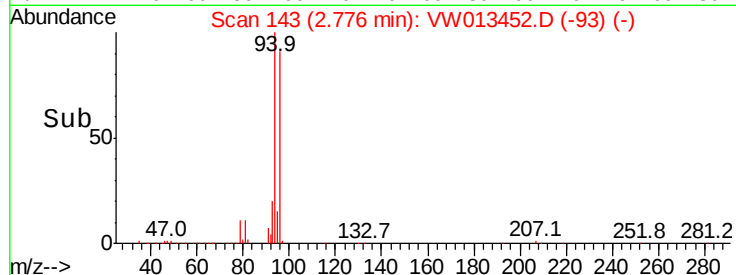
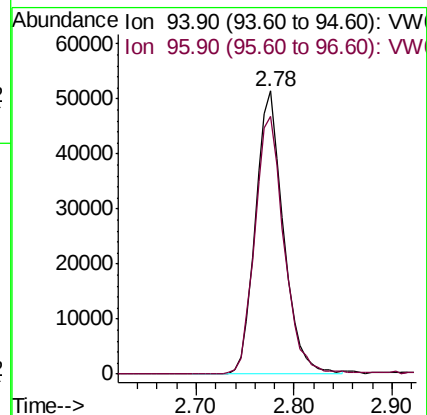
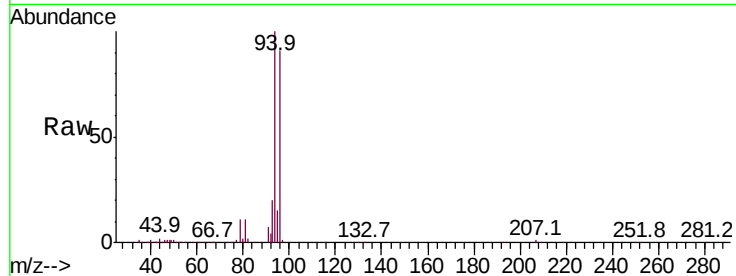
VSTDCCC050

Tot Ion: 94 Resp: 101888

Ion Ratio Lower Upper

94 100

96 91.1 69.7 104.5



#6

Chloroethane

Concen: 53.478 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013452.D

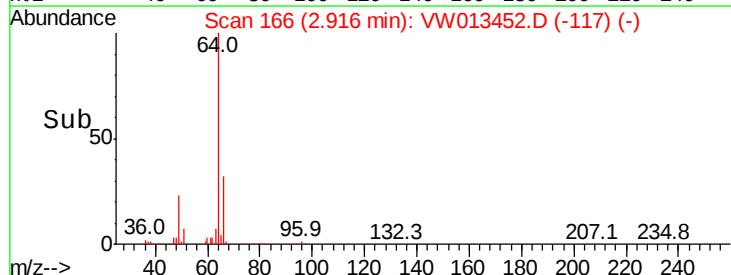
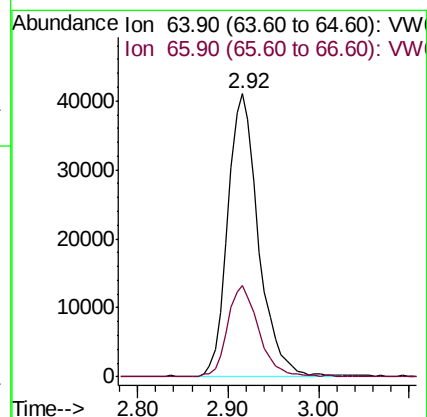
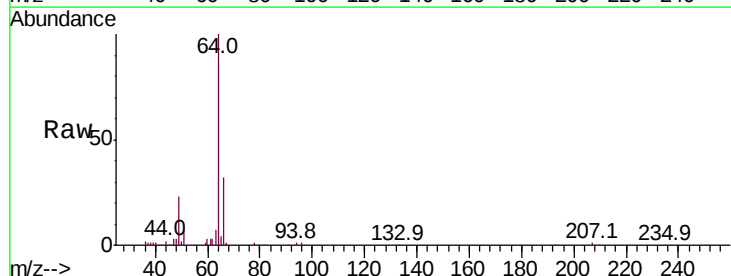
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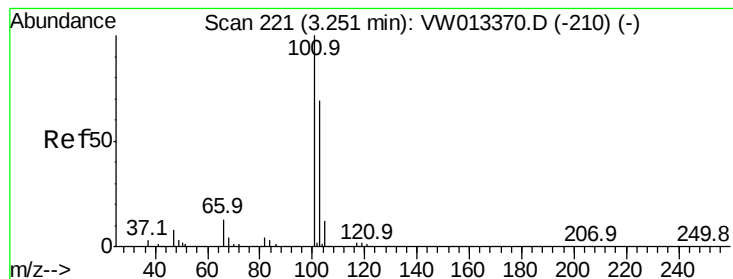
Tgt Ion: 64 Resp: 96934

Ion Ratio Lower Upper

64 100

66 32.0 26.6 39.8



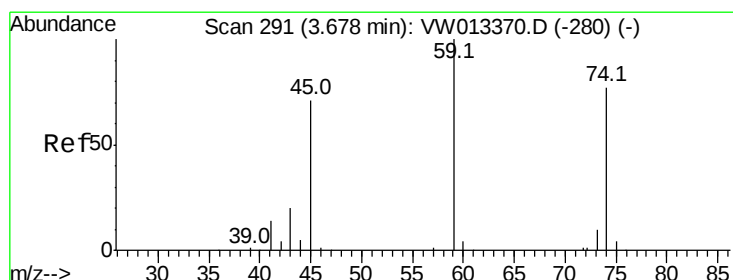
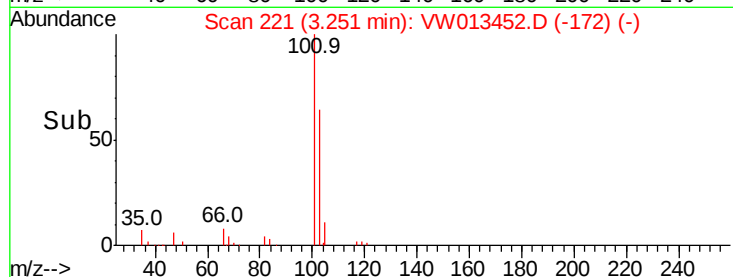
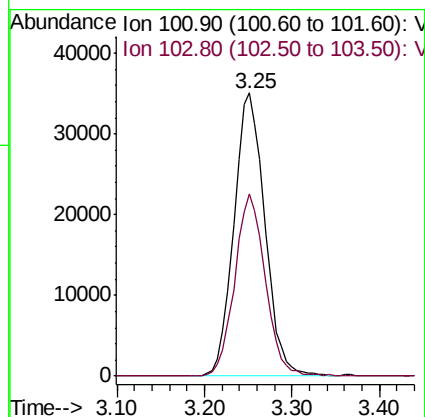
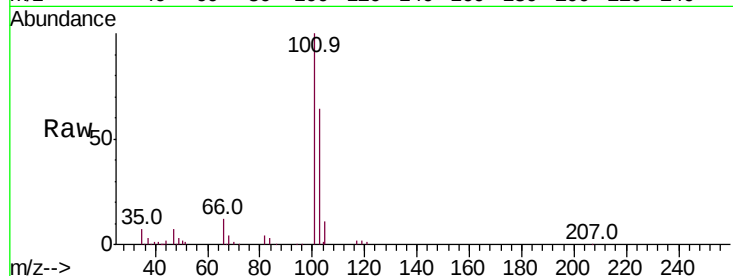


#7

Trichlorofluoromethane
 Concen: 63.323 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

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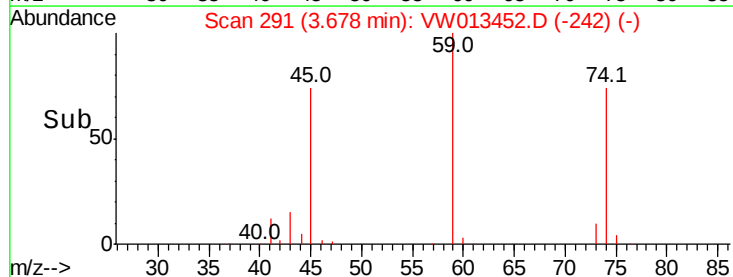
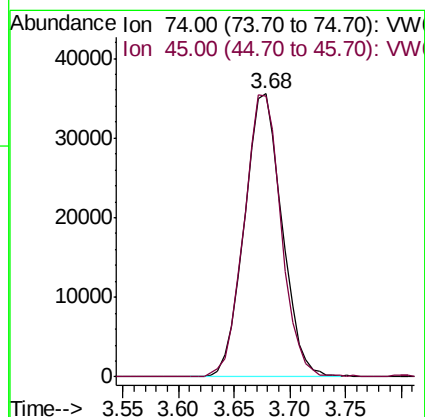
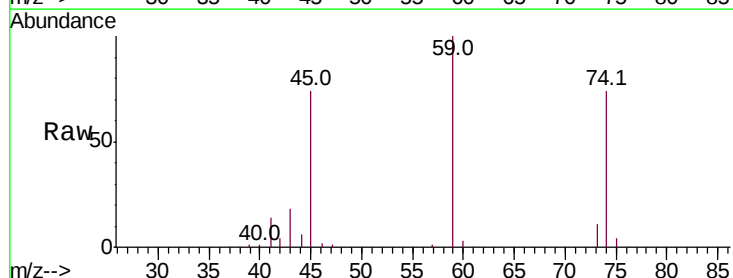
Tot Ion:101 Resp: 86237
 Ion Ratio Lower Upper
 101 100
 103 64.3 49.7 74.5

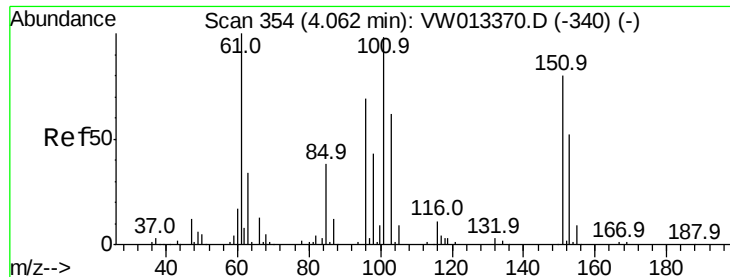


#8

Diethyl Ether
 Concen: 53.069 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

Tgt Ion: 74 Resp: 83651
 Ion Ratio Lower Upper
 74 100
 45 98.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.352 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

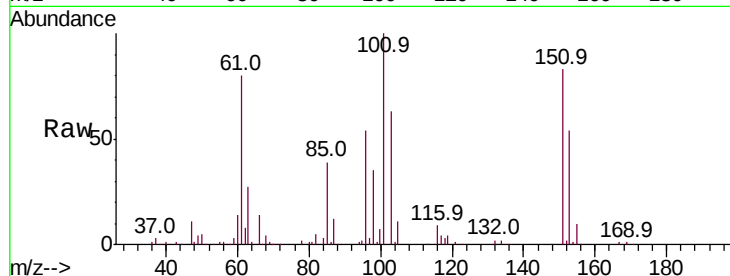
Tot Ion:101 Resp: 164107

Ion Ratio Lower Upper

101 100

85 41.2 33.4 50.0

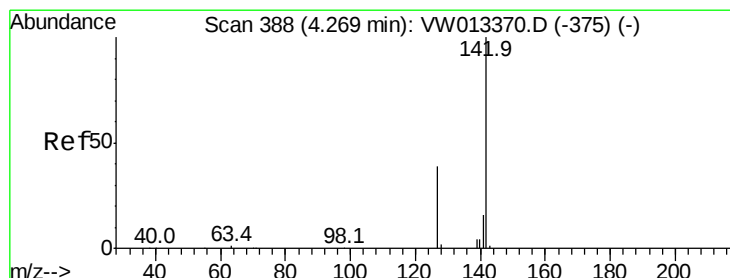
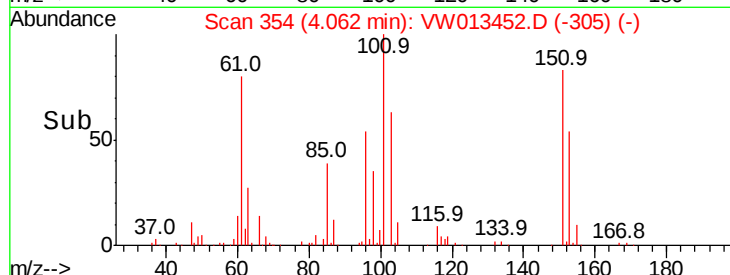
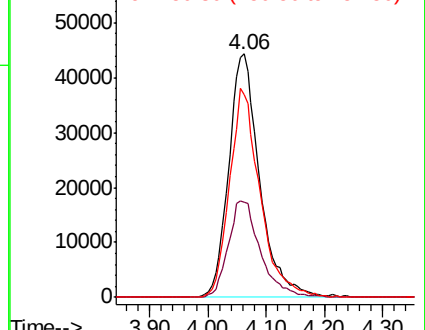
151 84.3 66.9 100.3



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: 54.466 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

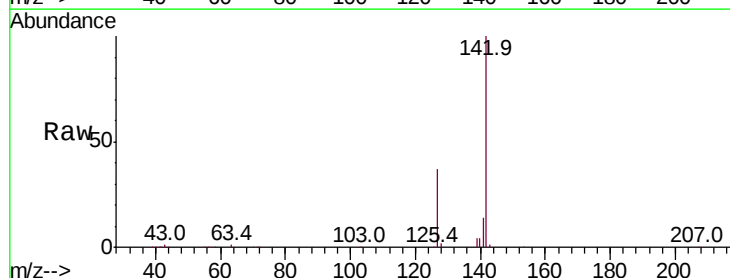
Tgt Ion:142 Resp: 265577

Ion Ratio Lower Upper

142 100

127 37.6 30.9 46.3

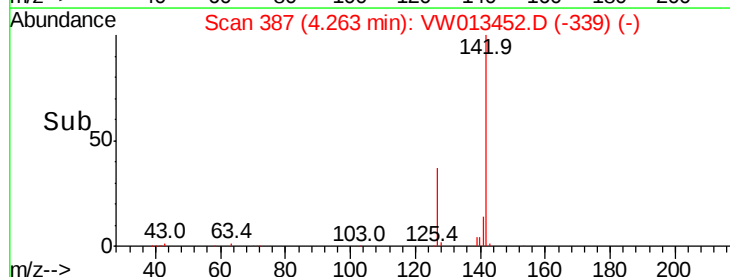
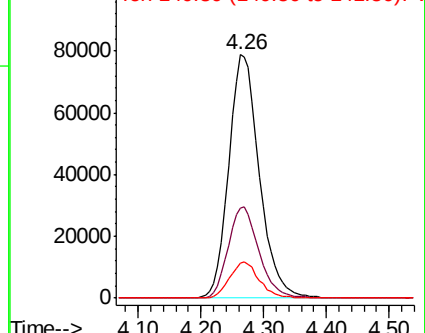
141 14.5 11.7 17.5

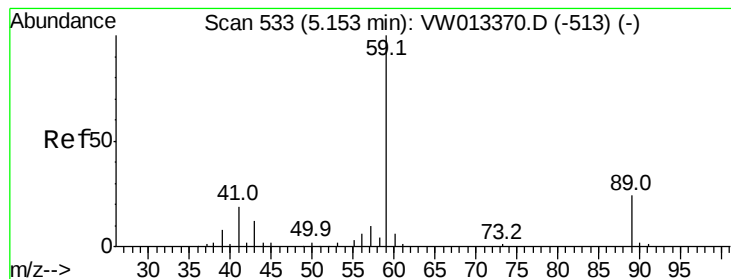


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



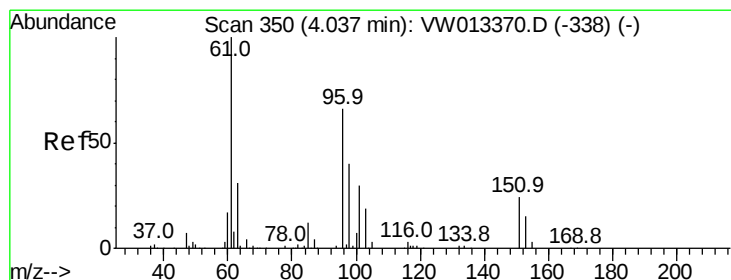
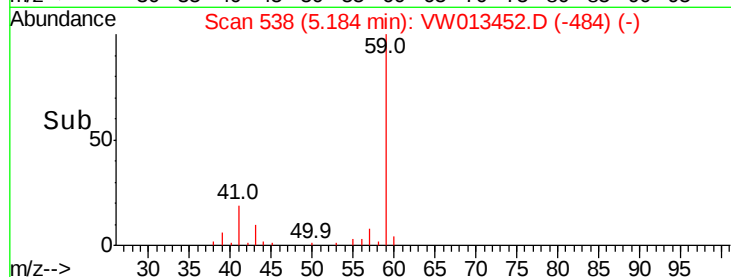
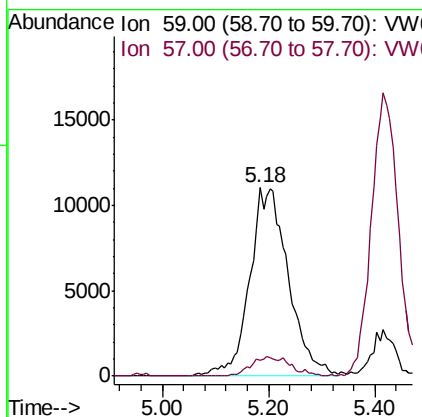
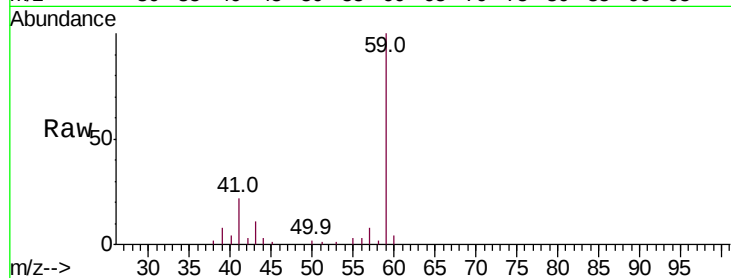


#11

Tert butyl alcohol
 Concen: 260.603 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.03 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

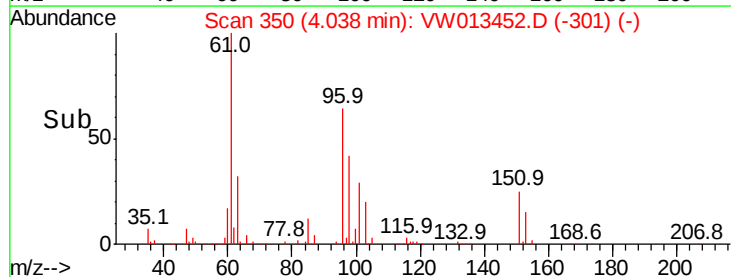
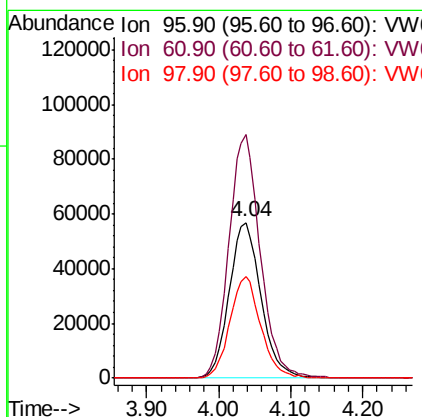
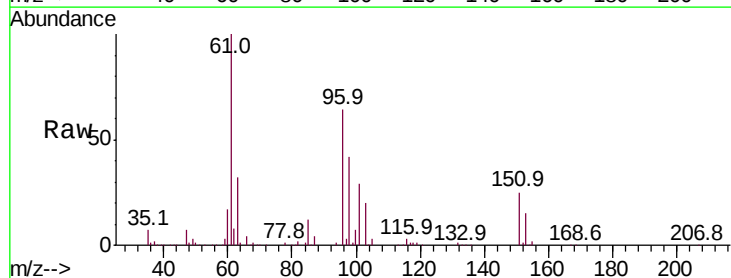
Tot Ion: 59 Resp: 55503
 Ion Ratio Lower Upper
 59 100
 57 6.5 8.2 12.2#

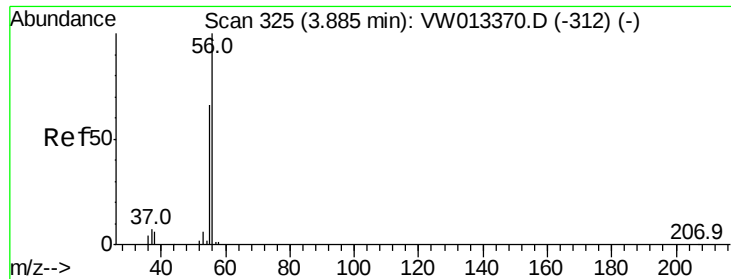


#12

1,1-Dichloroethene
 Concen: 54.773 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

Tgt Ion: 96 Resp: 174729
 Ion Ratio Lower Upper
 96 100
 61 156.7 125.1 187.7
 98 65.1 50.8 76.2





#13

Acrolein

Concen: 296.663 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

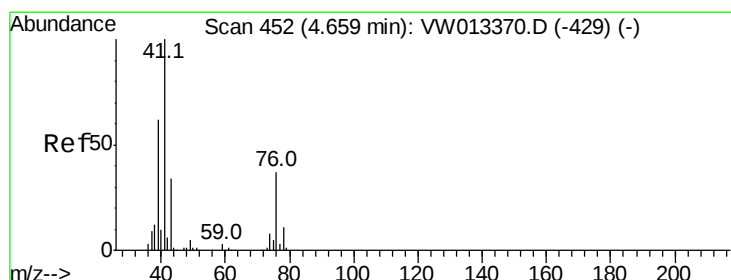
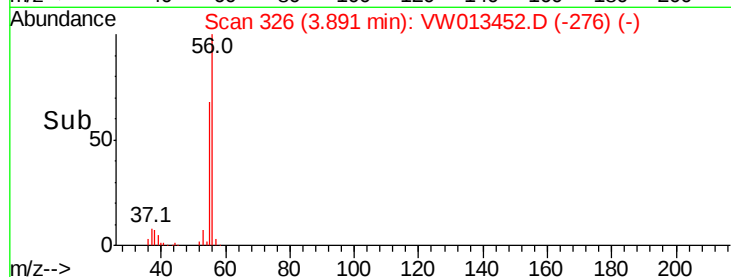
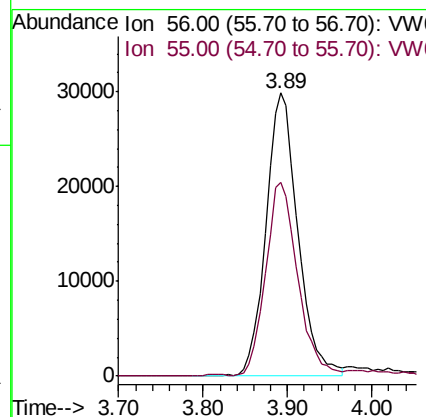
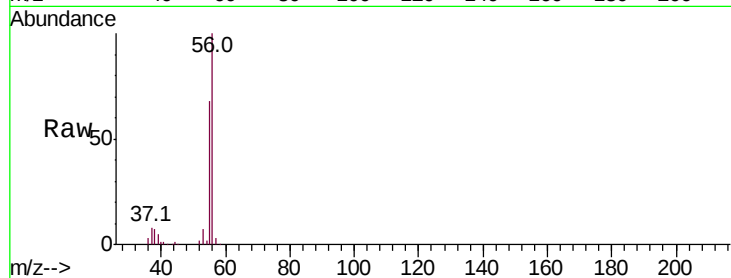
VSTDCCC050

Tot Ion: 56 Resp: 78151

Ion Ratio Lower Upper

56 100

55 67.7 55.4 83.0



#14

Allyl chloride

Concen: 58.584 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

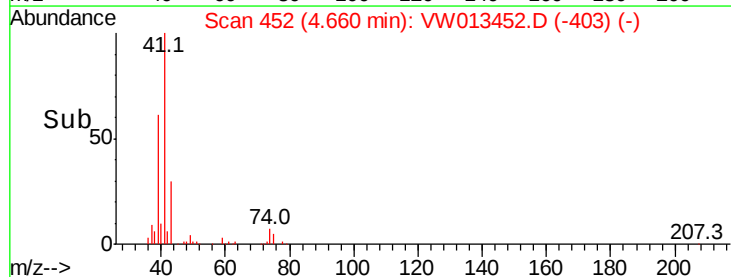
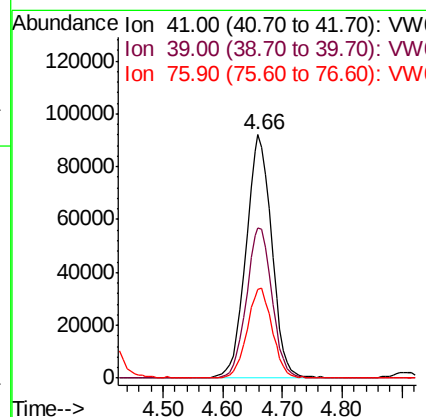
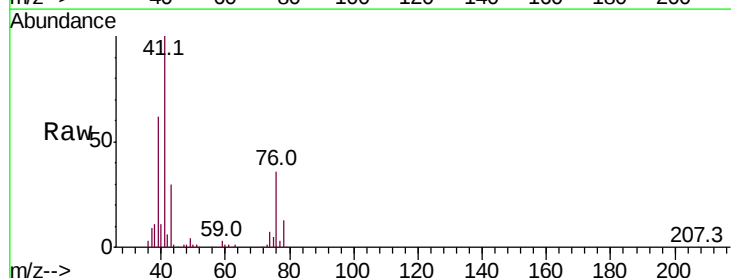
Tgt Ion: 41 Resp: 276466

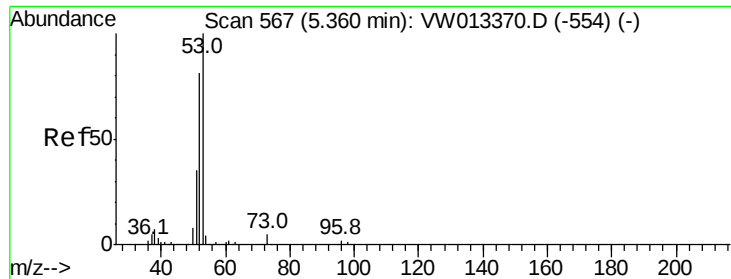
Ion Ratio Lower Upper

41 100

39 61.3 51.0 76.4

76 36.0 28.4 42.6





#15

Acrylonitrile

Concen: 258.914 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

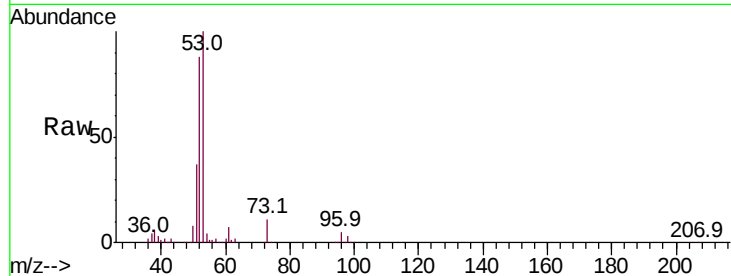
Tot Ion: 53 Resp: 184493

Ion Ratio Lower Upper

53 100

52 83.6 65.3 97.9

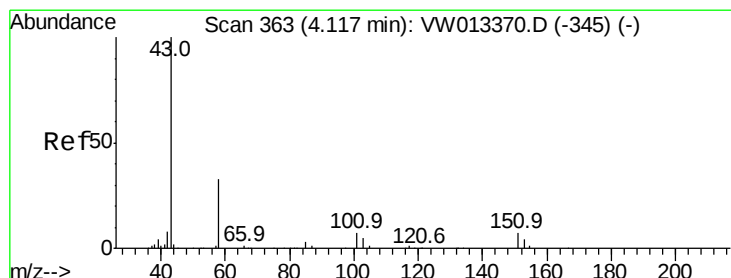
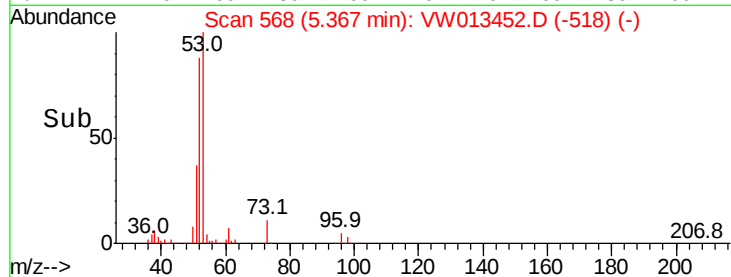
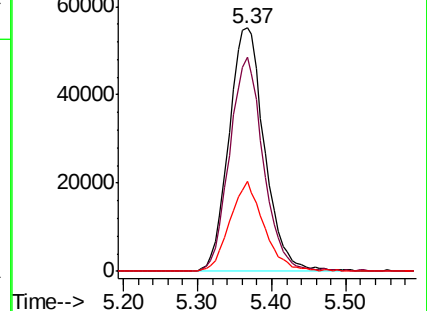
51 35.6 29.0 43.4



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: 259.094 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013452.D

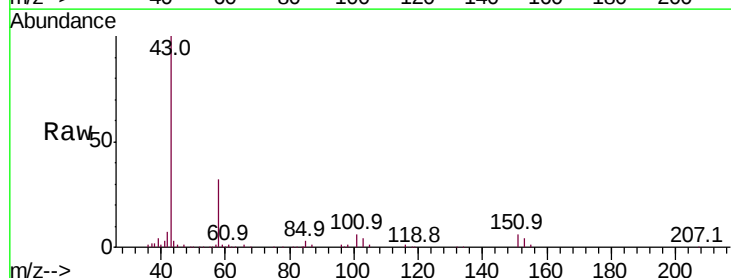
Acq: 07 Oct 2019 10:04

Tgt Ion: 43 Resp: 205494

Ion Ratio Lower Upper

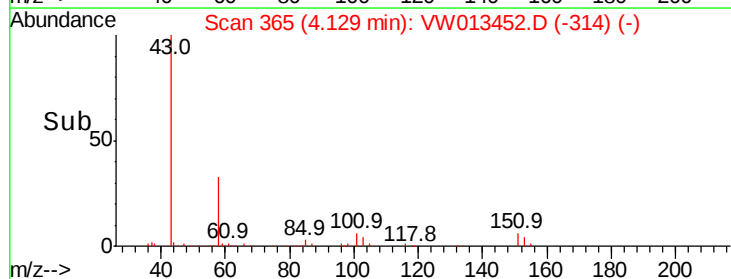
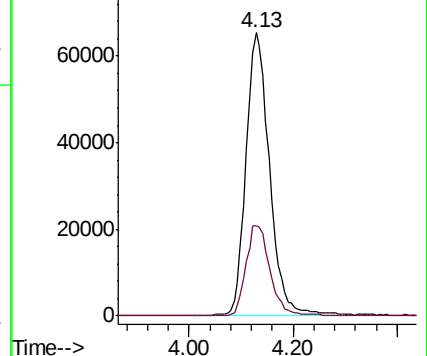
43 100

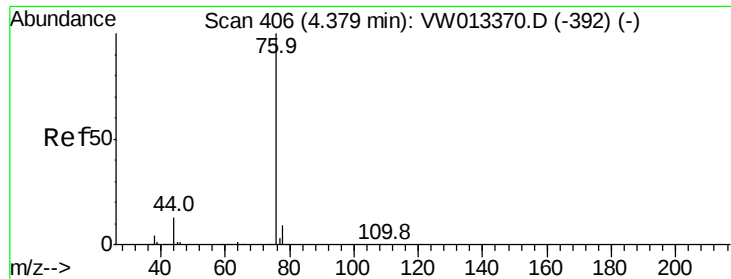
58 32.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

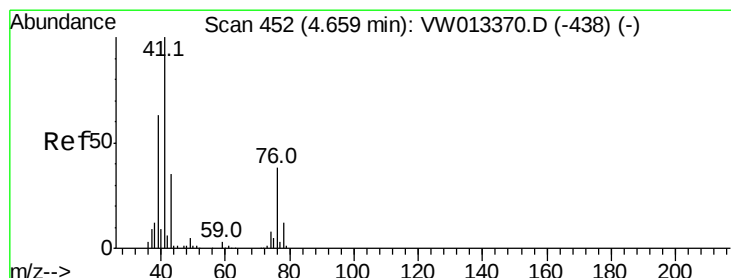
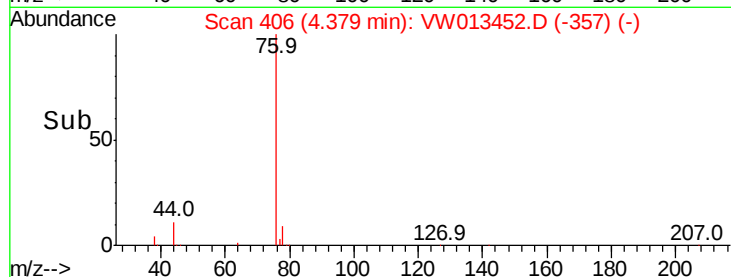
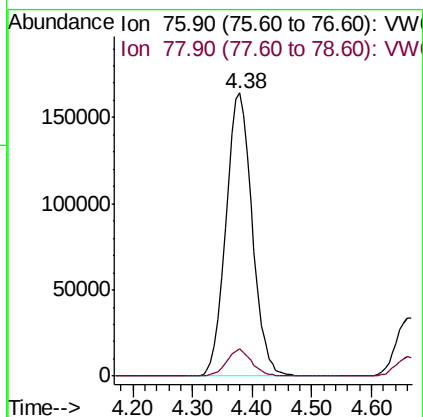
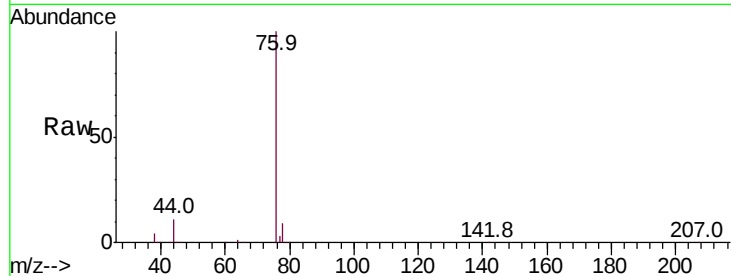




#17
Carbon Disulfide
Concen: 56.483 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

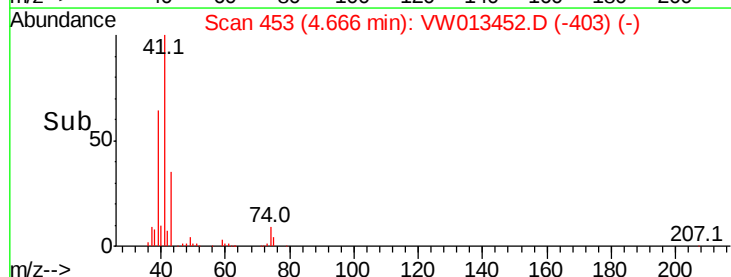
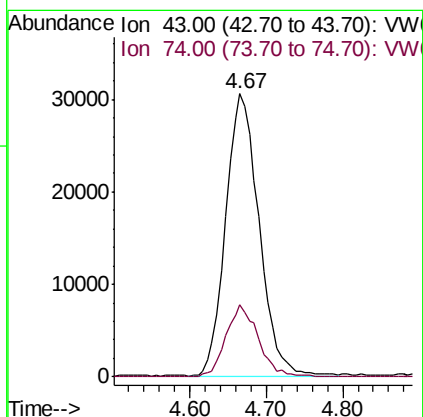
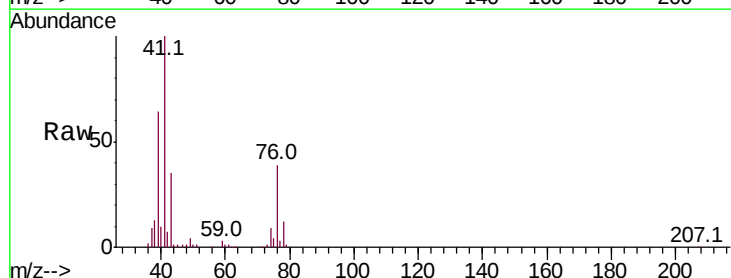
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

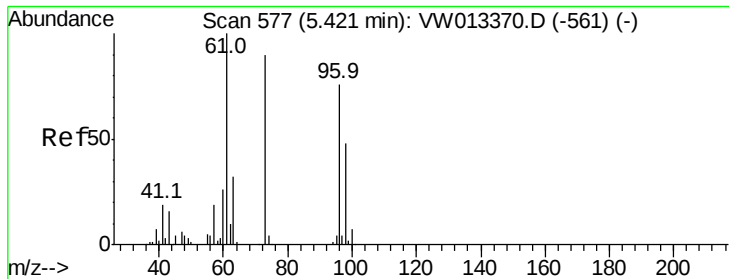
Tot Ion: 76 Resp: 502664
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4



#18
Methyl Acetate
Concen: 49.917 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion: 43 Resp: 92663
Ion Ratio Lower Upper
43 100
74 24.6 19.3 28.9

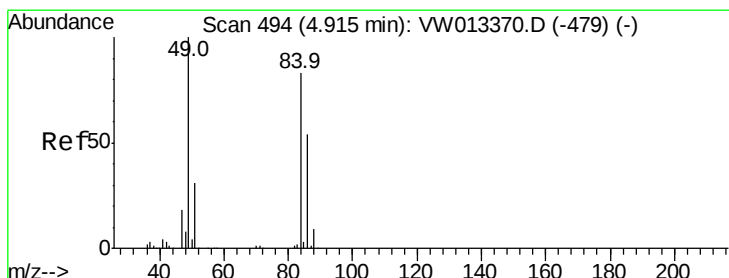
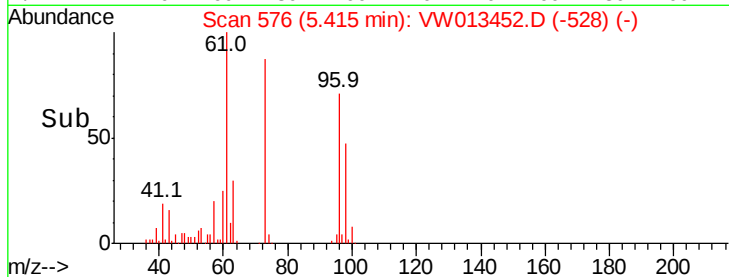
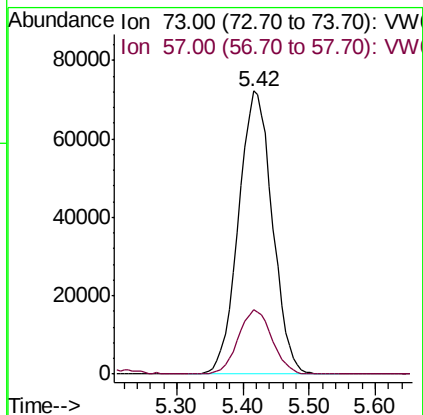
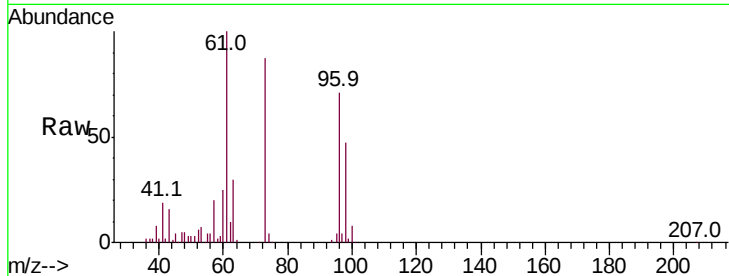




#19
Methvl tert-butvl Ether
Concen: 54.644 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

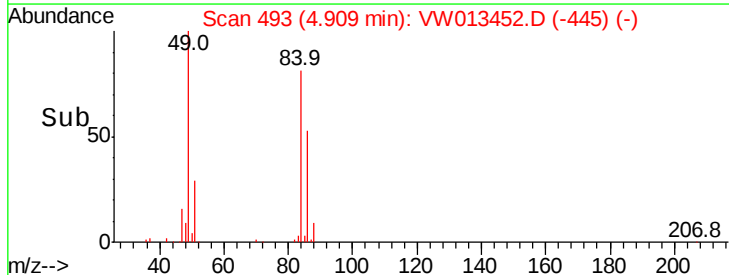
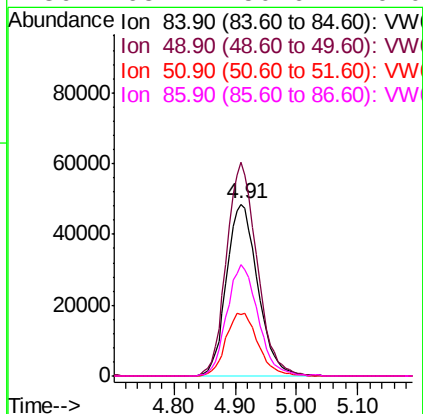
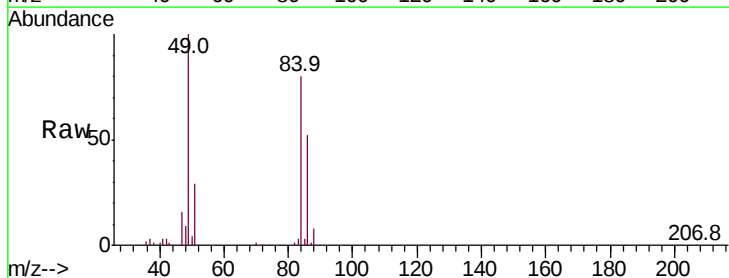
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

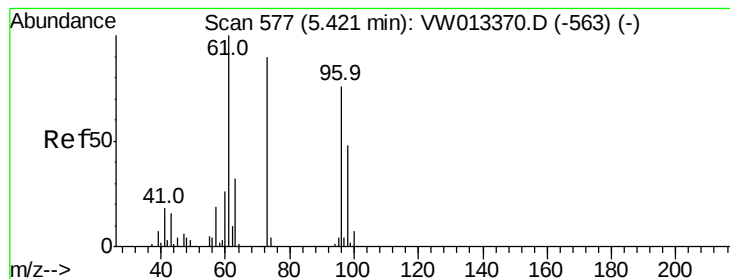
Tot Ion: 73 Resp: 256560
Ion Ratio Lower Upper
73 100
57 23.0 17.6 26.4



#20
Methylene Chloride
Concen: 51.878 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion: 84 Resp: 171550
Ion Ratio Lower Upper
84 100
49 124.4 97.6 146.4
51 35.6 30.2 45.2
86 65.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 54.250 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

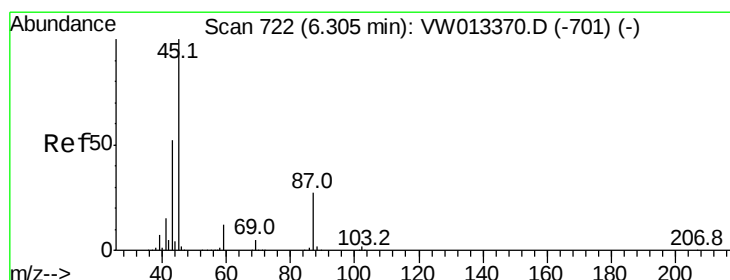
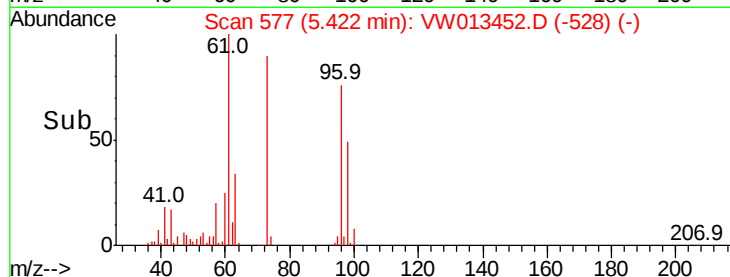
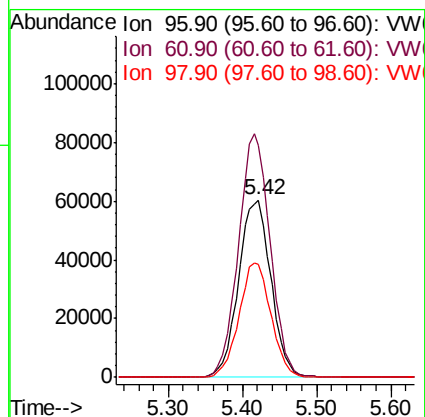
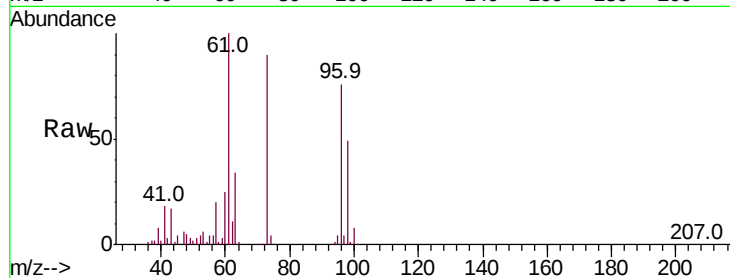
Tot Ion: 96 Resp: 184301

Ion Ratio Lower Upper

96 100

61 130.7 106.6 159.8

98 63.9 49.8 74.8



#22

Diisopropyl ether

Concen: 55.303 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Tgt Ion: 45 Resp: 504006

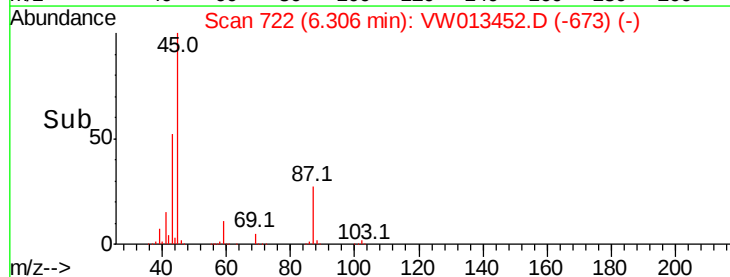
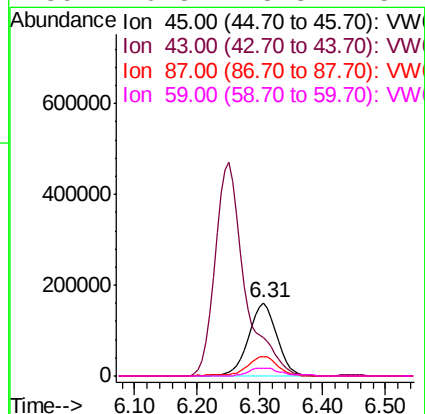
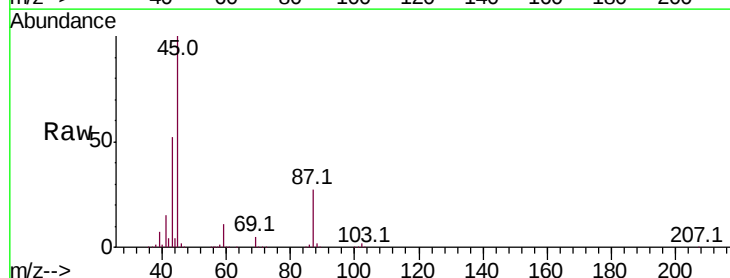
Ion Ratio Lower Upper

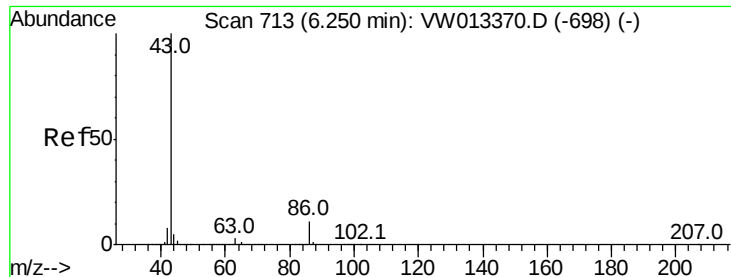
45 100

43 51.1 42.4 63.6

87 26.9 20.4 30.6

59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 281.342 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampled :

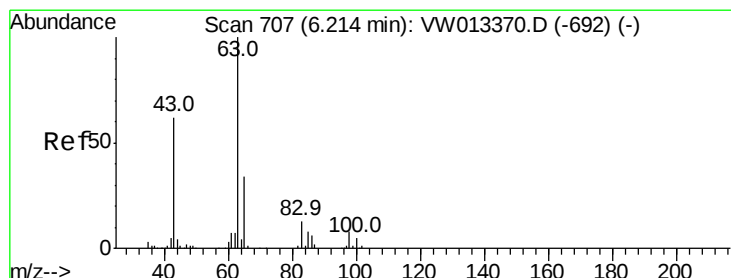
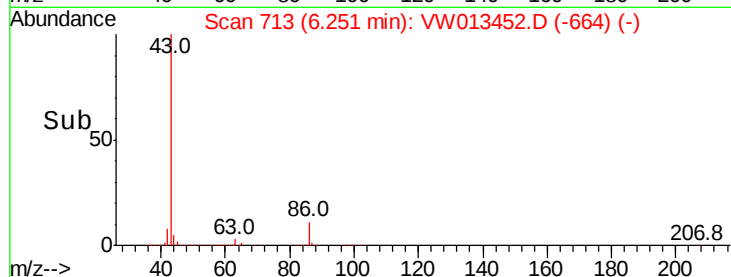
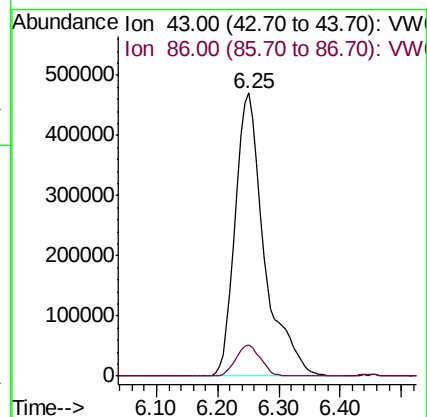
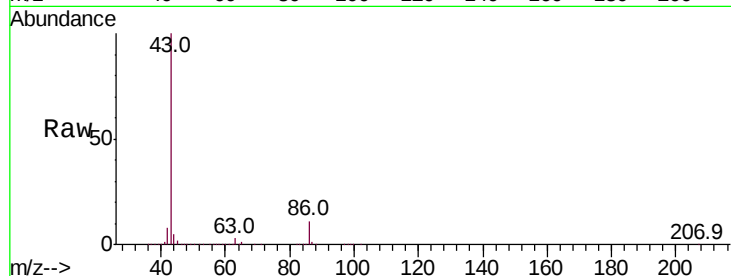
VSTDCCC050

Tot Ion: 43 Resp: 1538528

Ion Ratio Lower Upper

43 100

86 11.2 8.3 12.5



#24

1,1-Dichloroethane

Concen: 54.849 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

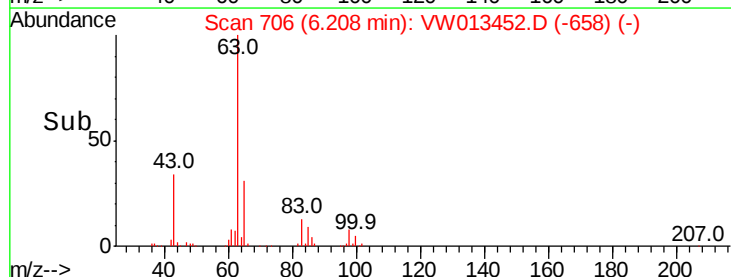
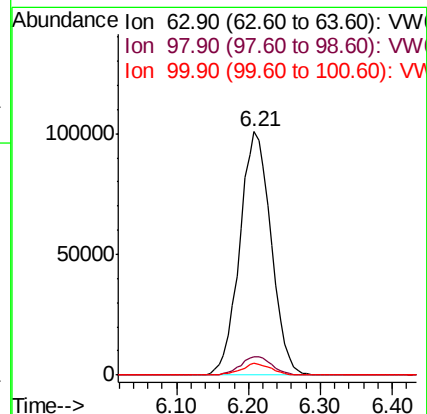
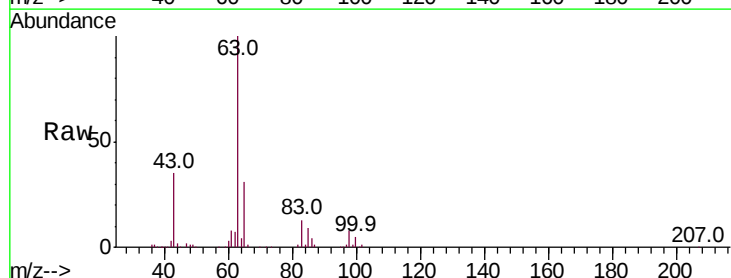
Tgt Ion: 63 Resp: 304467

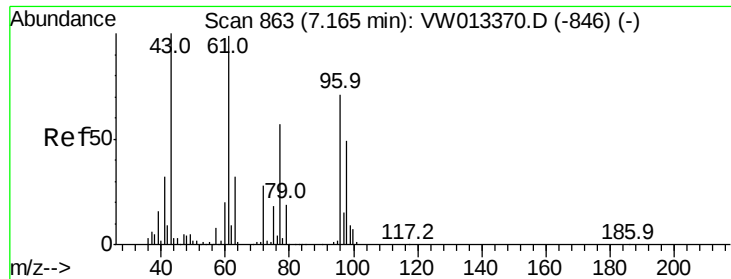
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 256.969 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampled :

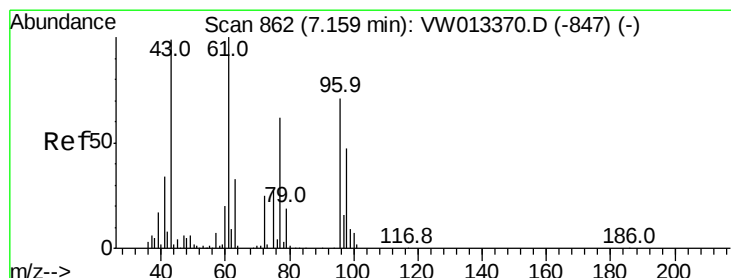
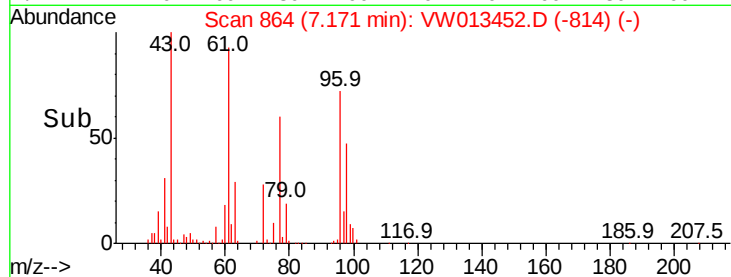
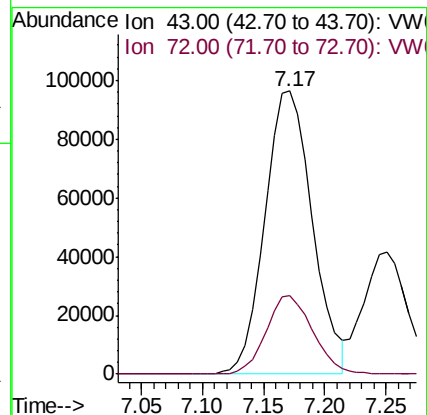
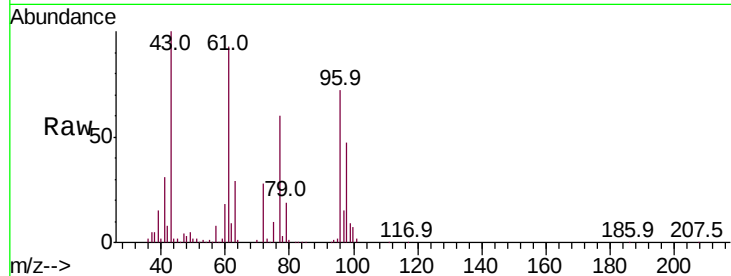
VSTDCCC050

Tot Ion: 43 Resp: 260789

Ion Ratio Lower Upper

43 100

72 27.7 19.4 29.0



#26

2,2-Dichloropropane

Concen: 58.826 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013452.D

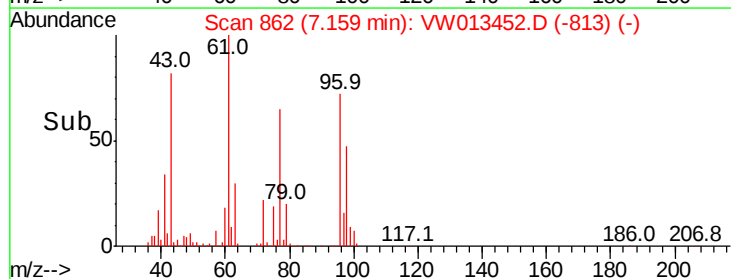
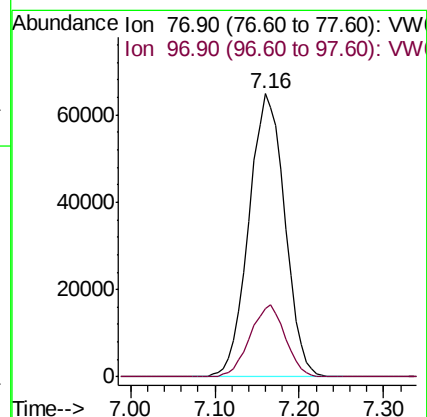
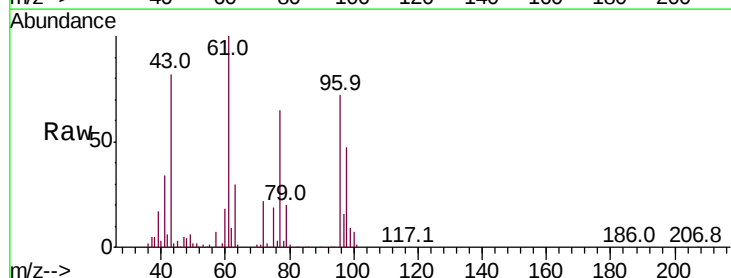
Acq: 07 Oct 2019 10:04

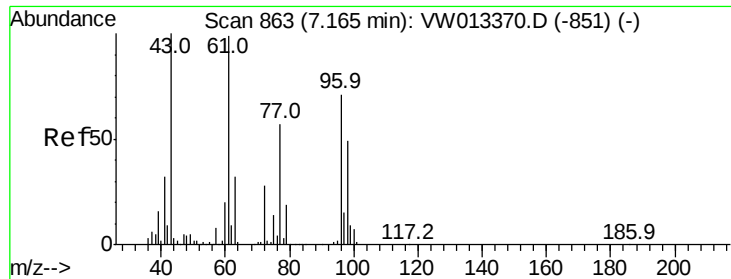
Tgt Ion: 77 Resp: 187989

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.4



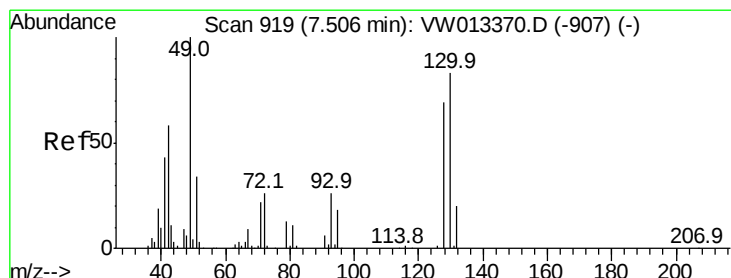
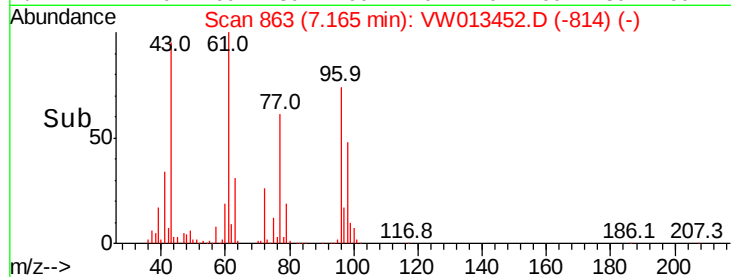
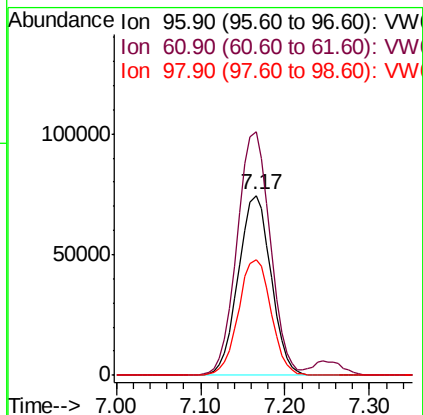
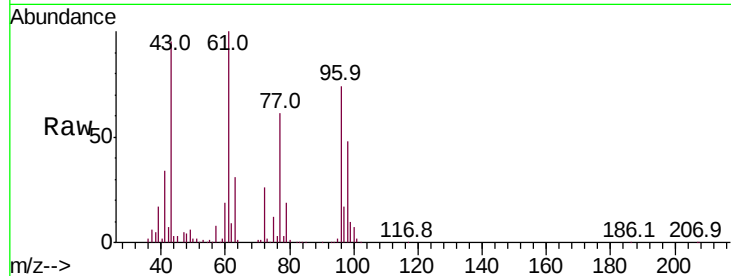


#27

cis-1,2-Dichloroethene
Concen: 54.958 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

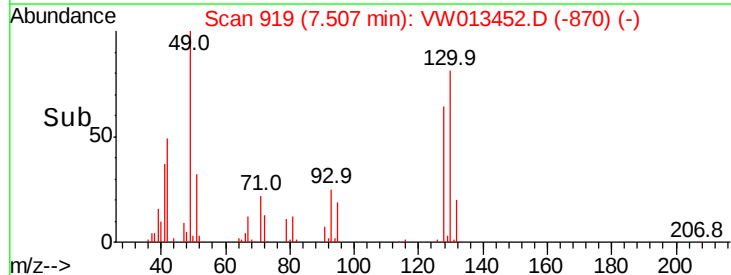
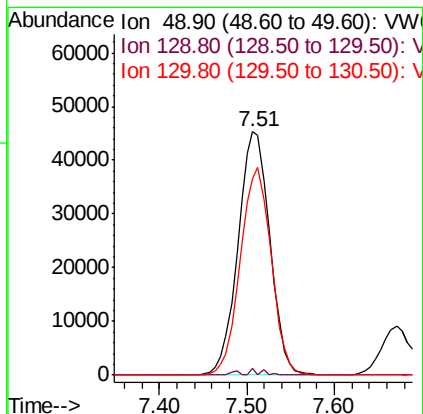
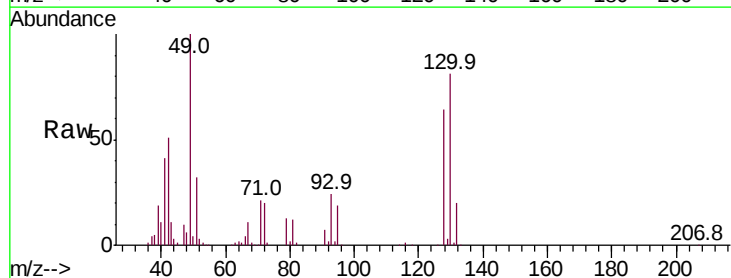
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	282.4
98	64.2	0.0	128.2

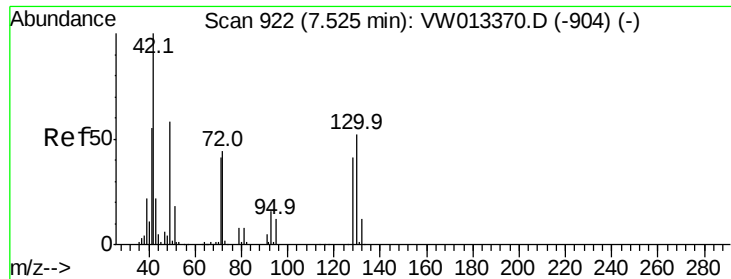


#28

Bromochloromethane
Concen: 56.956 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.0
130	83.1	63.4	95.2

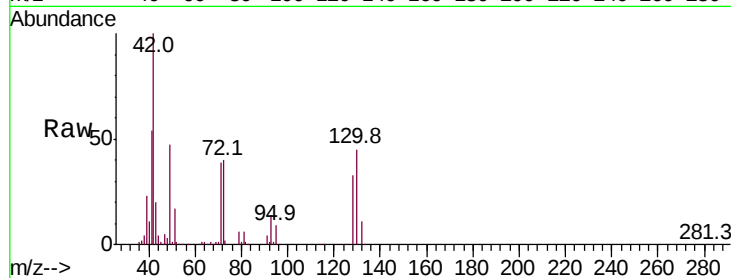




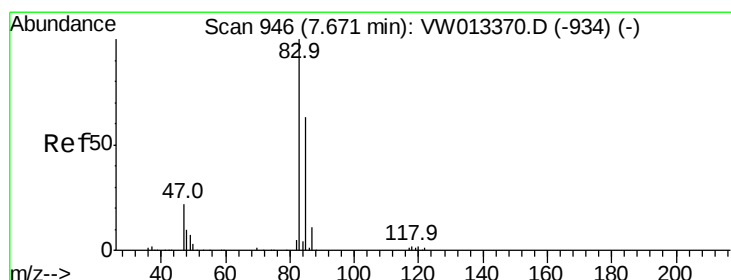
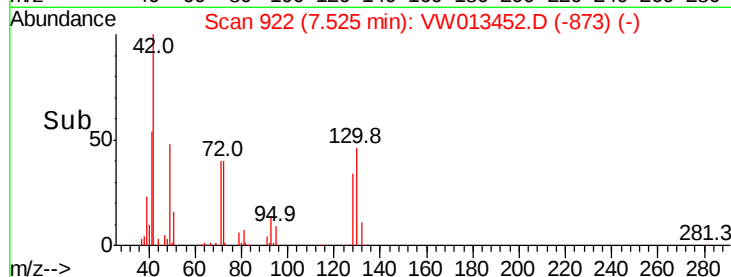
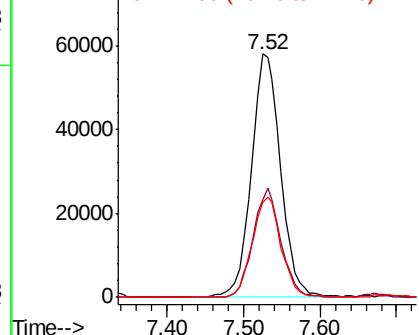
#29
Tetrahydrofuran
Concen: 260.961 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 154303
Ion Ratio Lower Upper
42 100
72 42.7 33.9 50.9
71 40.4 31.9 47.9

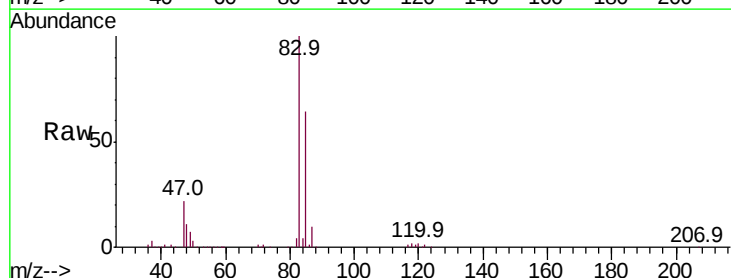


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

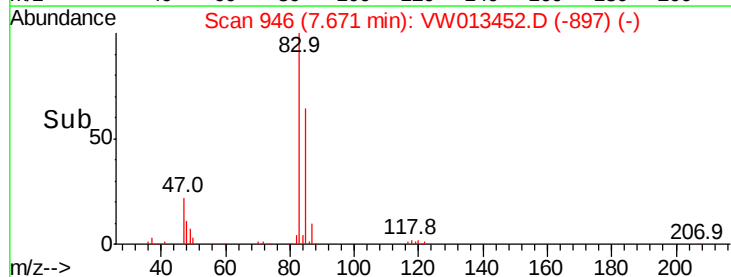
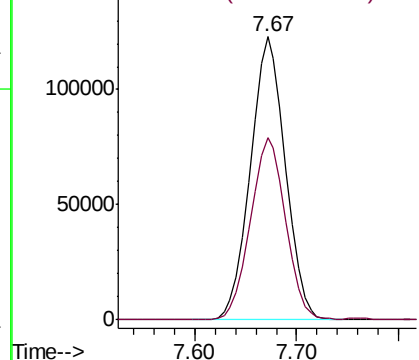


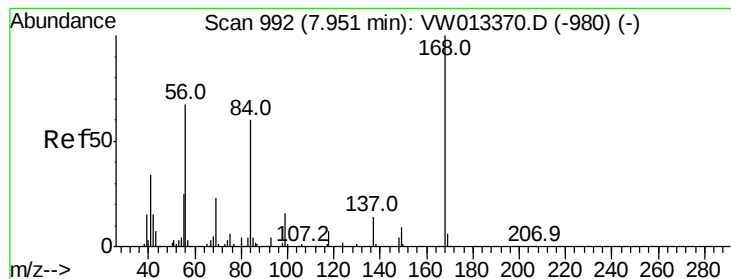
#30
Chloroform
Concen: 53.726 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion: 83 Resp: 292431
Ion Ratio Lower Upper
83 100
85 64.3 52.3 78.5



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





#31

Cyclohexane

Concen: 51.862 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

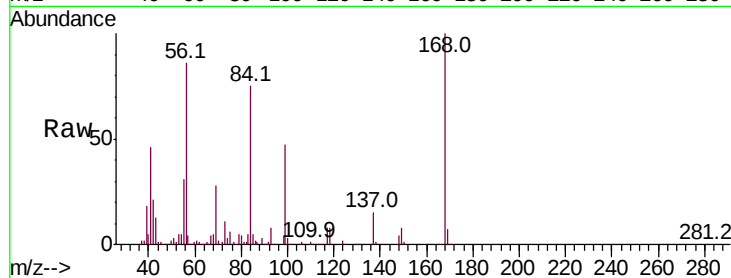
Tot Ion: 56 Resp: 307009

Ion Ratio Lower Upper

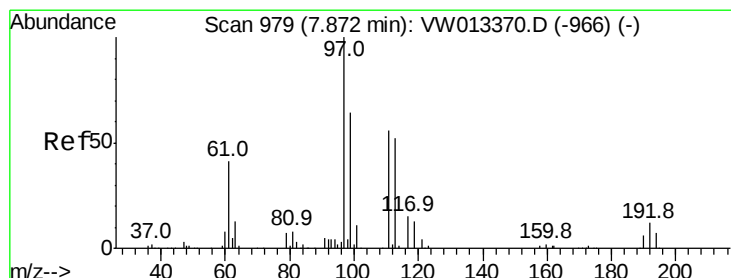
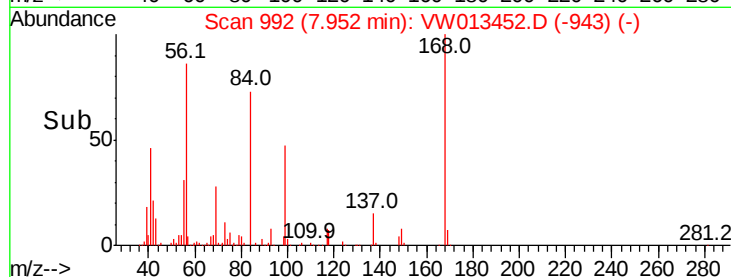
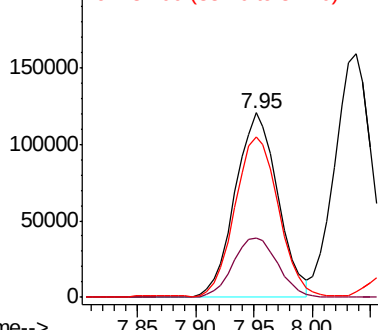
56 100

69 32.2 27.2 40.8

84 86.1 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 56.314 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

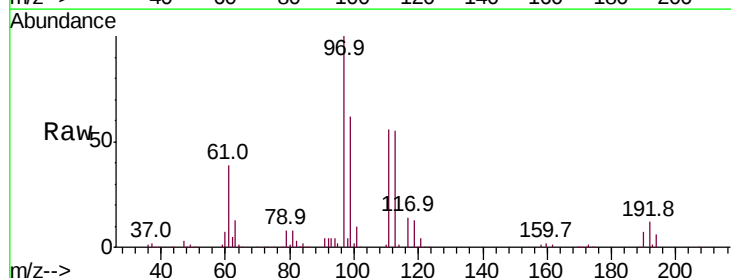
Tgt Ion: 97 Resp: 240134

Ion Ratio Lower Upper

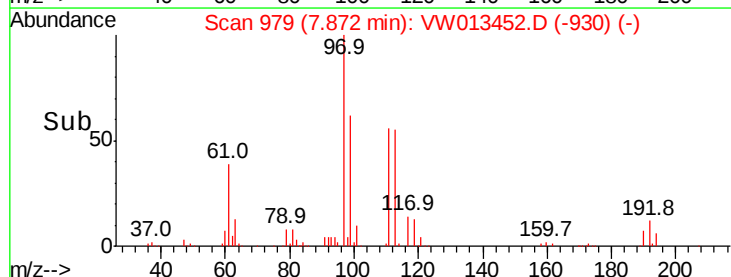
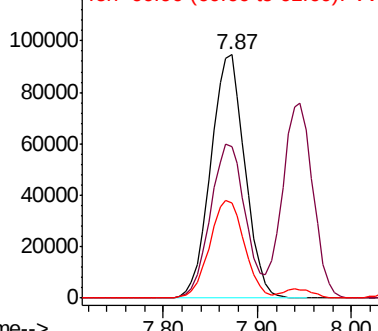
97 100

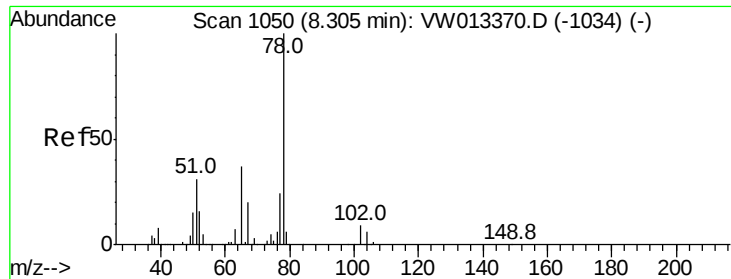
99 65.2 51.7 77.5

61 41.0 34.6 51.8



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





#33

1,2-Dichloroethane-d4

Concen: 53.267 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

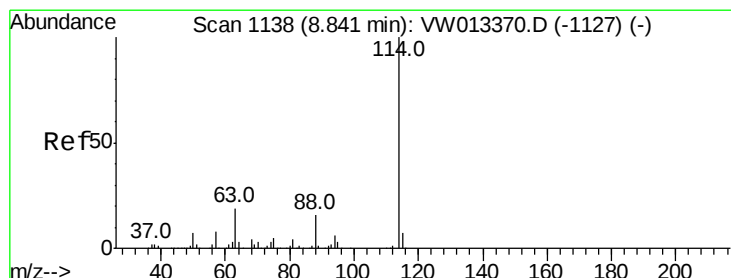
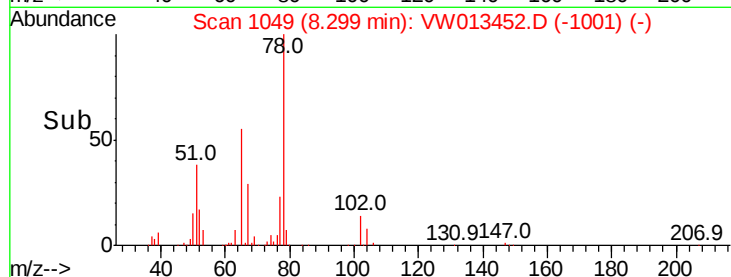
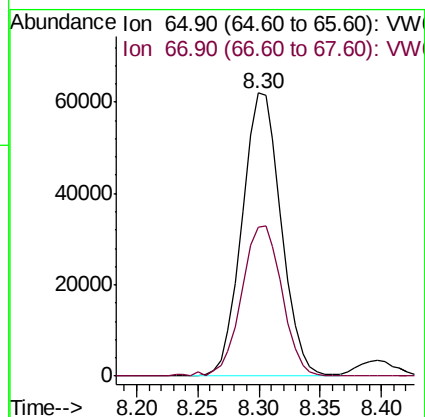
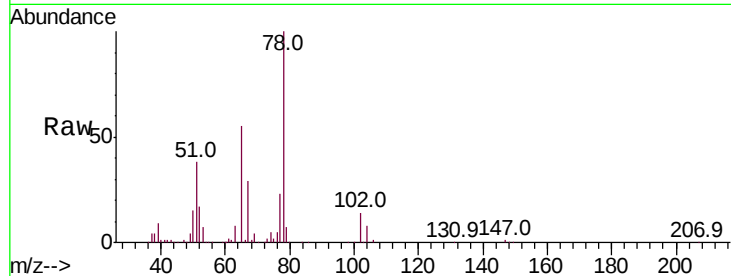
VSTDCCC050

Tot Ion: 65 Resp: 137830

Ion Ratio Lower Upper

65 100

67 54.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

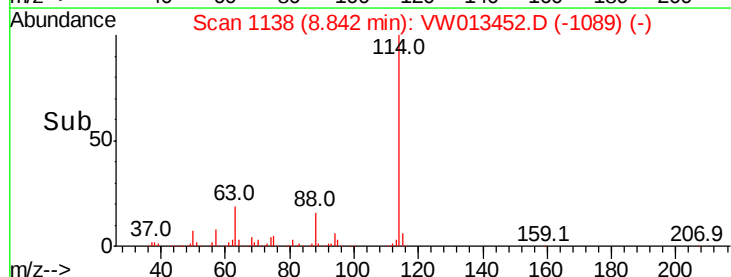
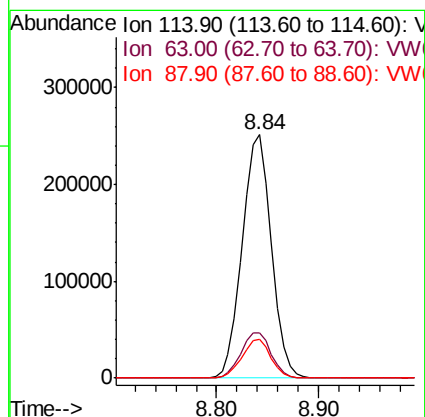
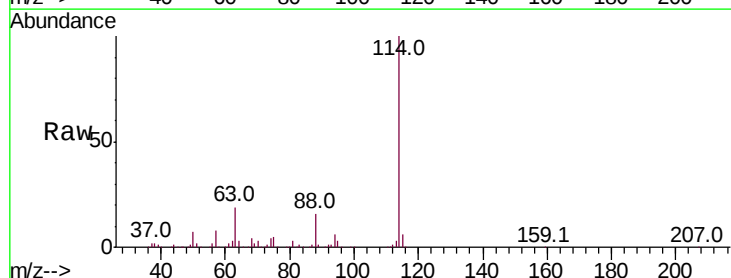
Tgt Ion: 114 Resp: 498169

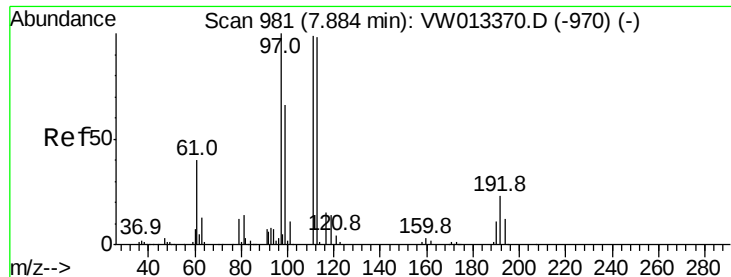
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.4

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 55.133 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

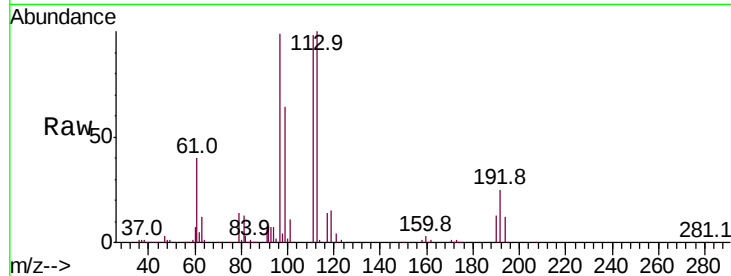
Tot Ion:113 Resp: 144117

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

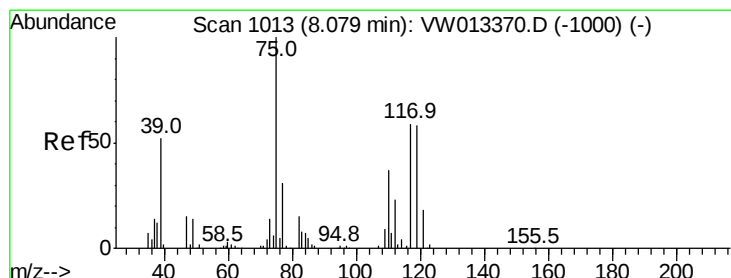
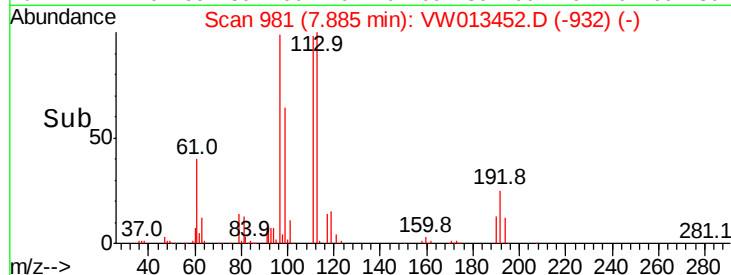
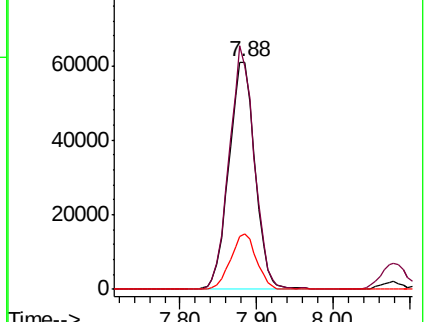
192 24.0 19.1 28.7



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: 54.560 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

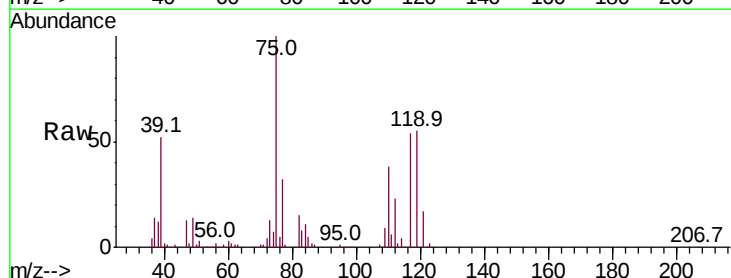
Tgt Ion: 75 Resp: 252451

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.3

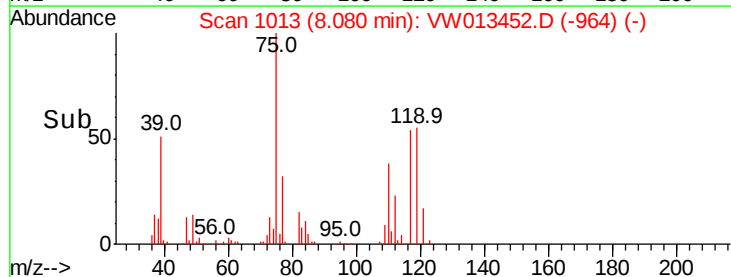
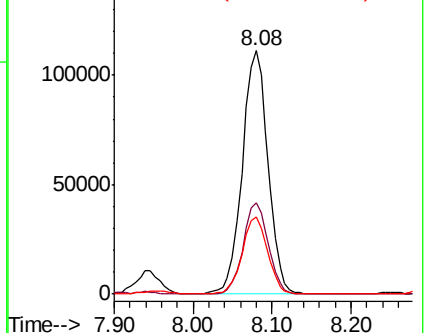
77 31.5 25.8 38.6

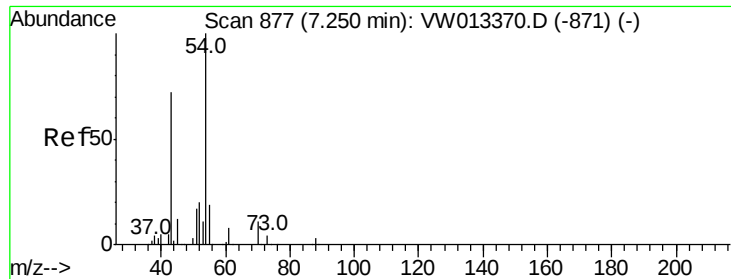


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

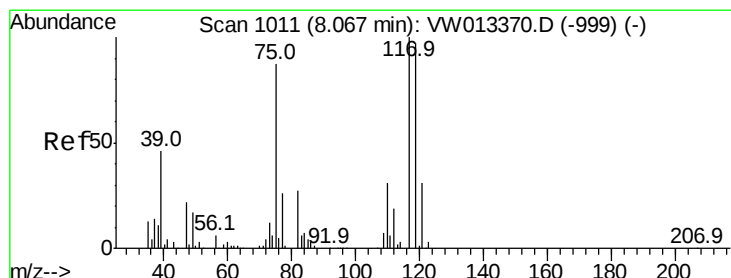
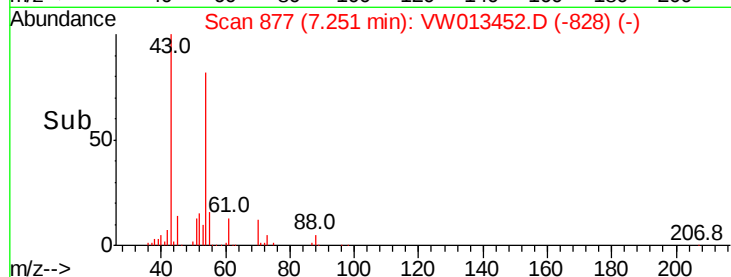
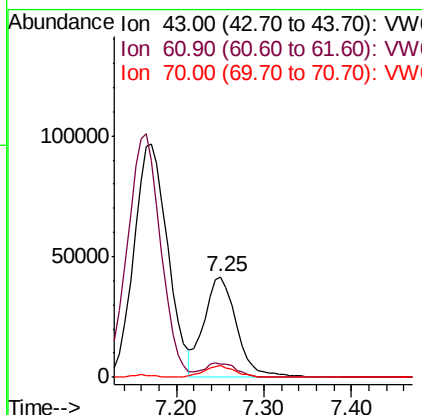
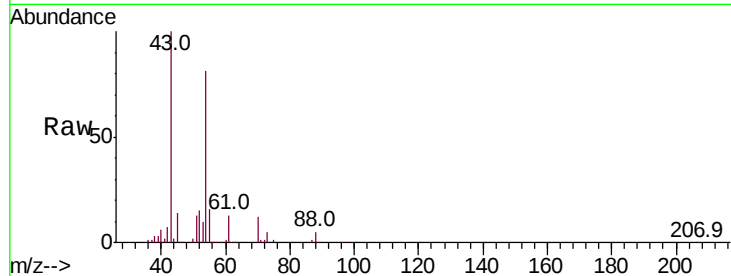




#37
Ethyl Acetate
Concen: 52.819 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

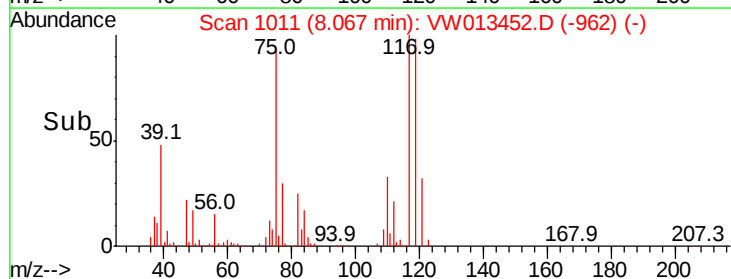
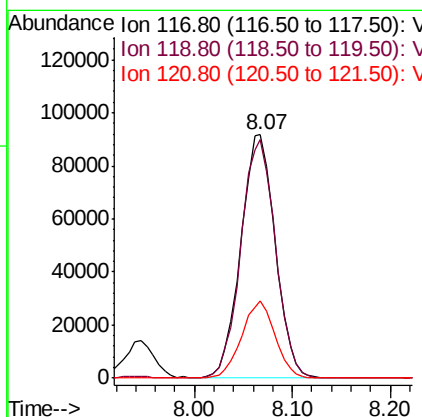
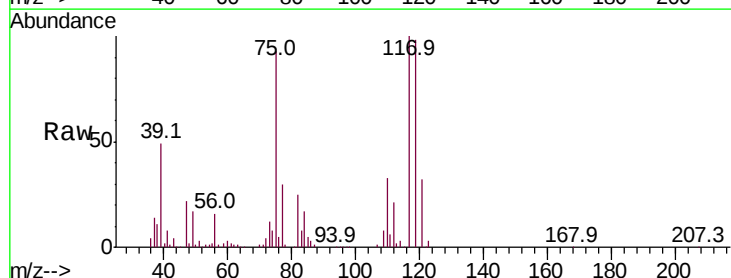
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

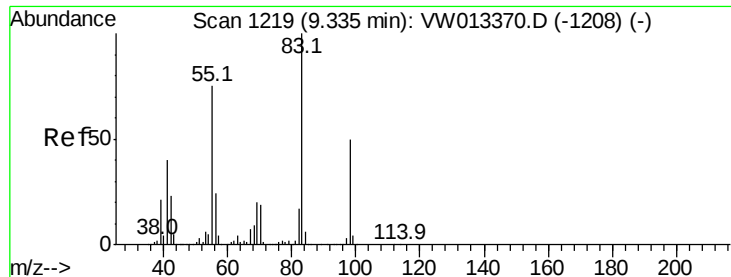
Tot Ion: 43 Resp: 107880
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 11.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 56.115 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion: 117 Resp: 224918
Ion Ratio Lower Upper
117 100
119 98.1 73.5 110.3
121 31.7 25.0 37.6

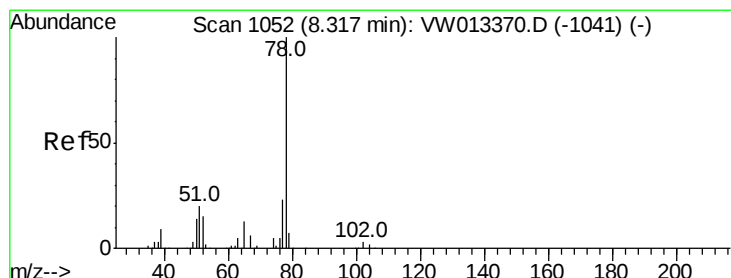
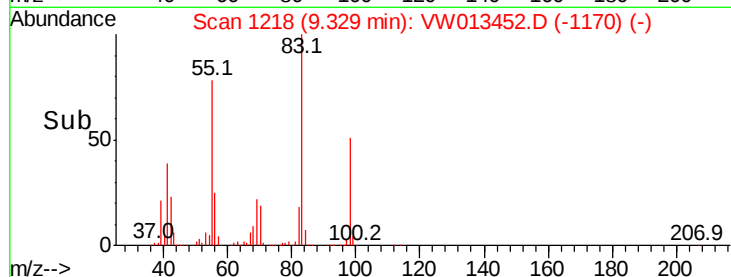
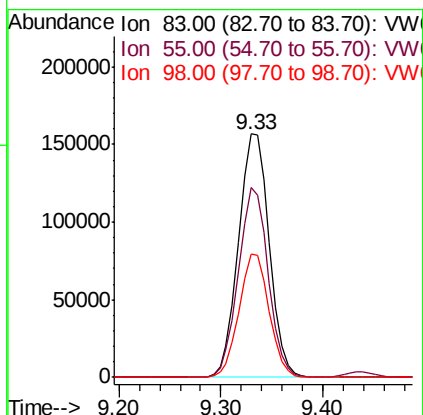
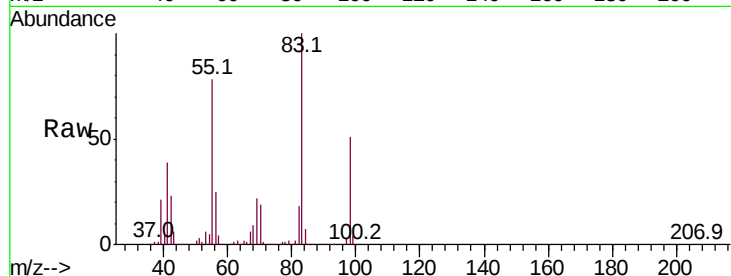




#39
Methvlcvclohexane
Concen: 53.954 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

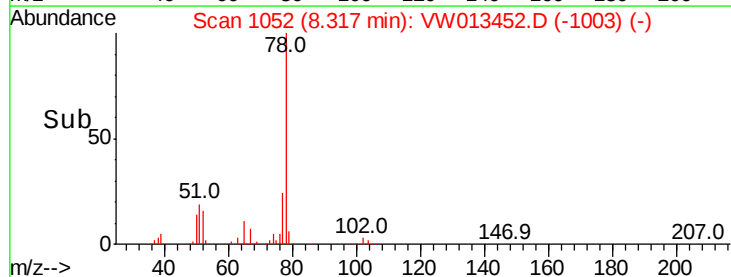
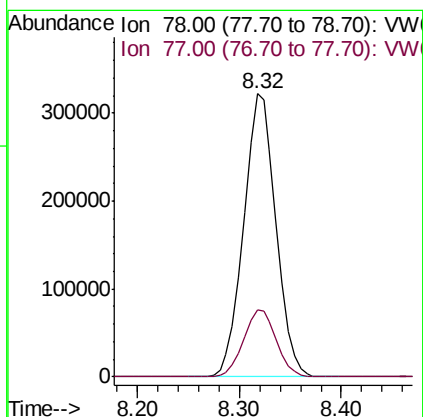
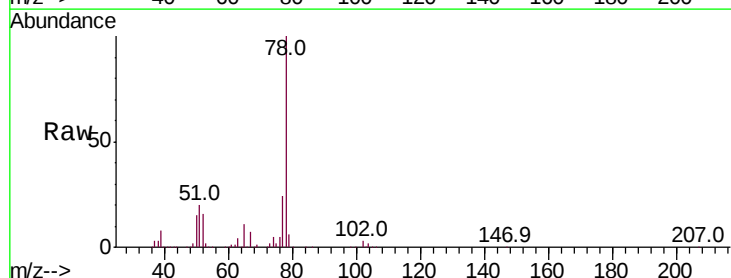
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

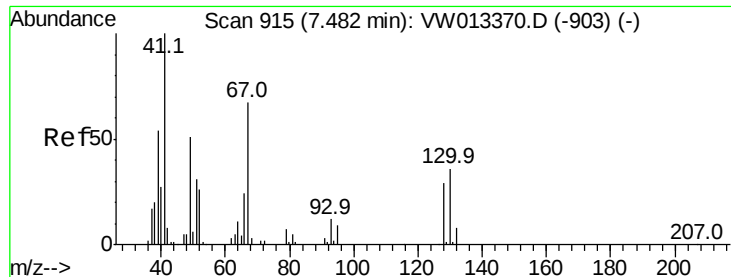
Tot Ion: 83 Resp: 328780
Ion Ratio Lower Upper
83 100
55 77.8 60.4 90.6
98 50.5 40.0 60.0



#40
Benzene
Concen: 54.043 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion: 78 Resp: 707866
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7





#41

Methacrylonitrile

Concen: 52.464 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 64597

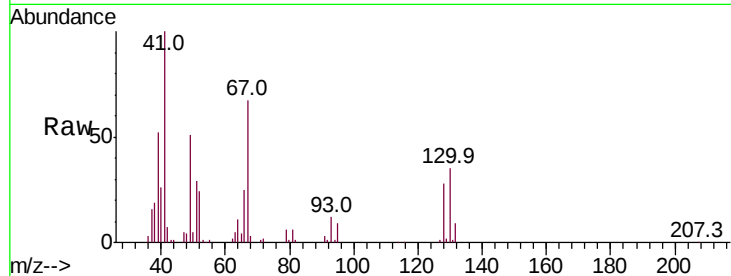
Ion Ratio Lower Upper

41 100

39 55.9 45.9 68.9

67 70.4 54.5 81.7

52 27.6 22.5 33.7



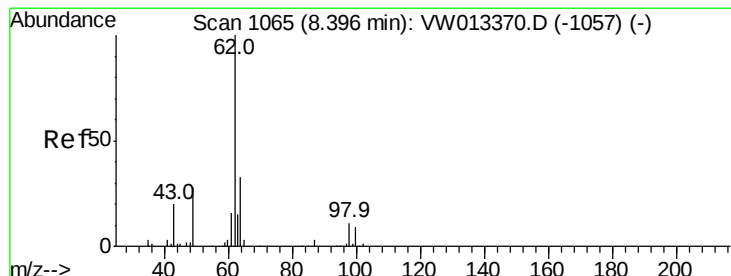
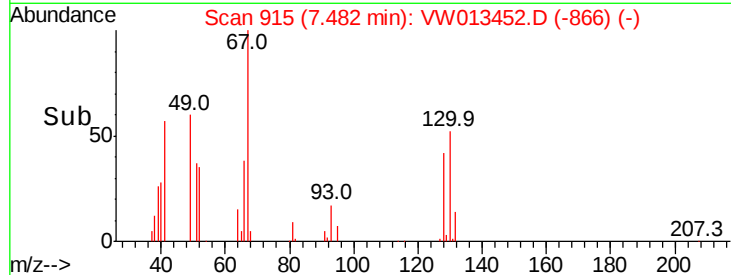
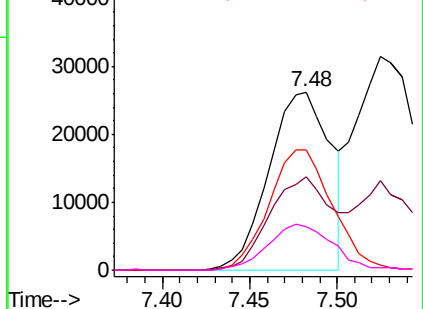
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 53.287 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013452.D

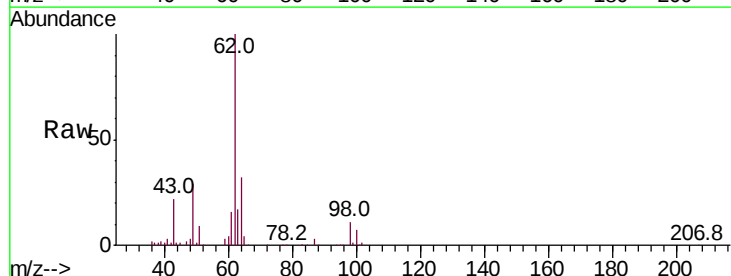
Acq: 07 Oct 2019 10:04

Tgt Ion: 62 Resp: 179387

Ion Ratio Lower Upper

62 100

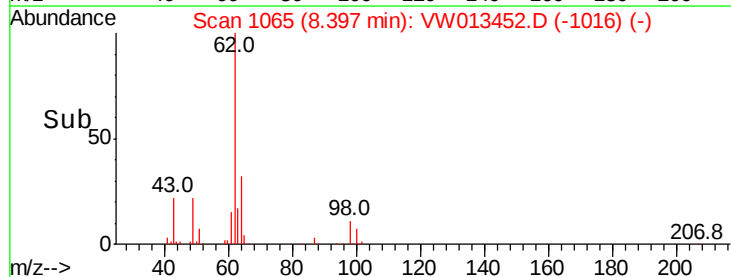
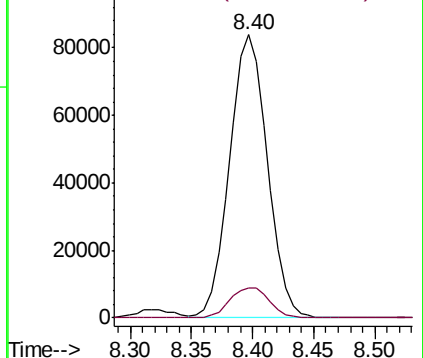
98 11.2 0.0 20.6

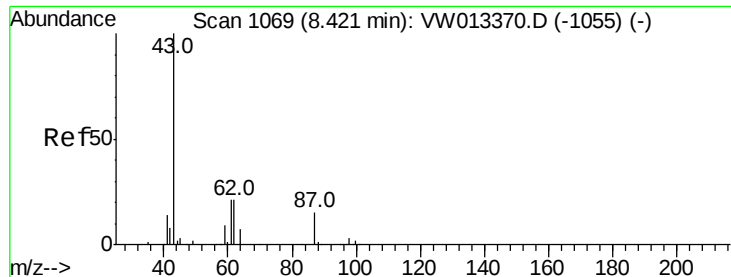


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.343 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

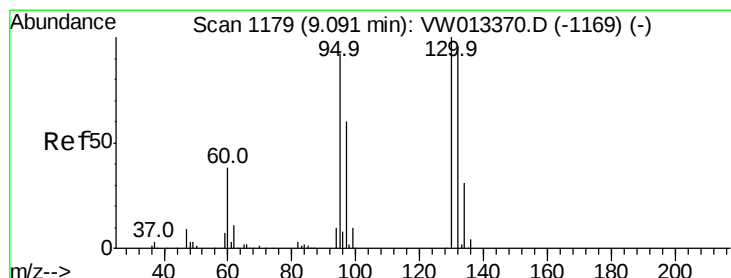
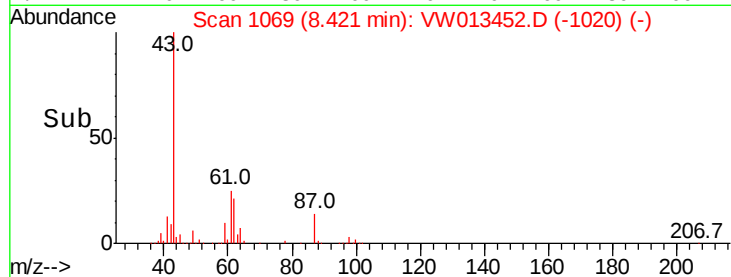
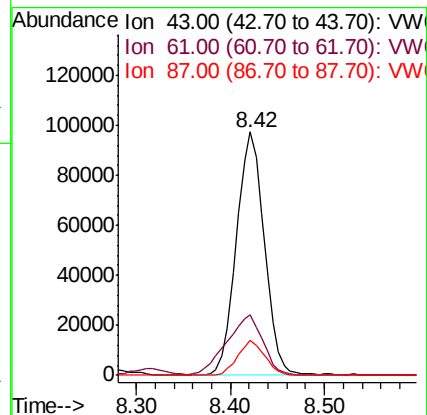
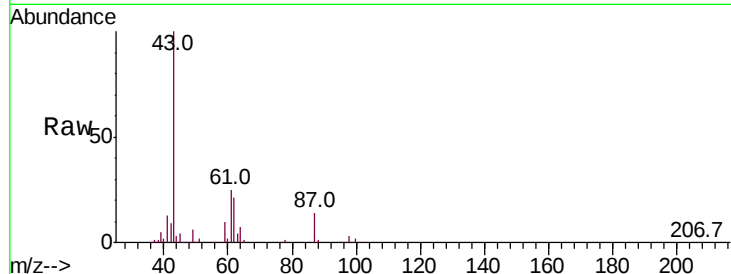
Tot Ion: 43 Resp: 201177

Ion Ratio Lower Upper

43 100

61 31.8 25.5 38.3

87 13.9 11.0 16.4



#44

Trichloroethene

Concen: 54.857 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013452.D

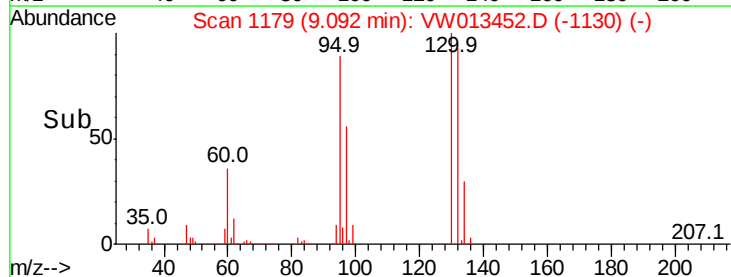
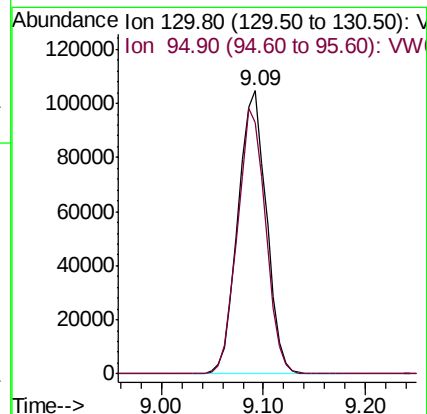
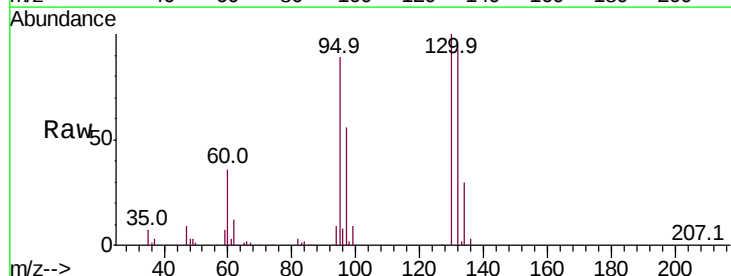
Acq: 07 Oct 2019 10:04

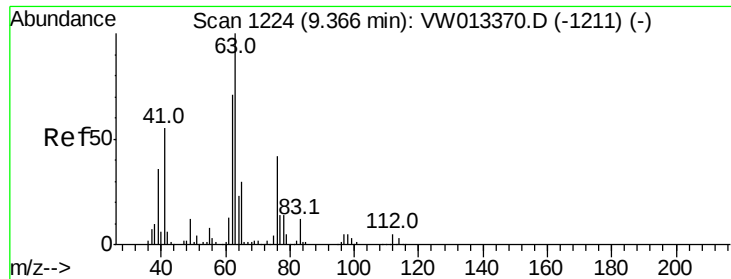
Tgt Ion:130 Resp: 202337

Ion Ratio Lower Upper

130 100

95 88.7 0.0 188.0





#45

1,2-Dichloropropane

Concen: 54.831 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

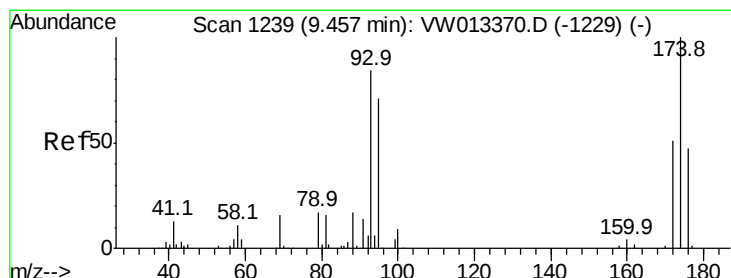
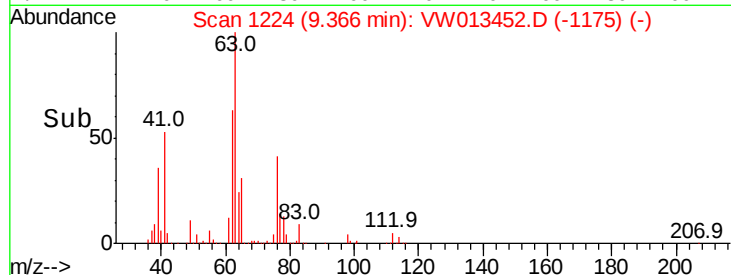
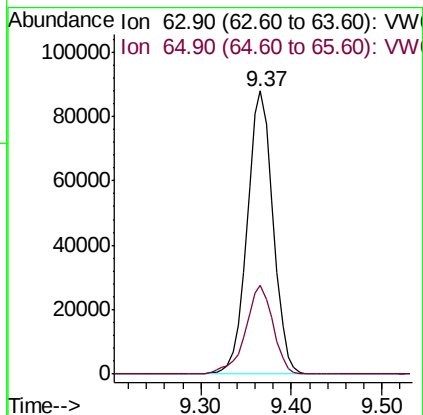
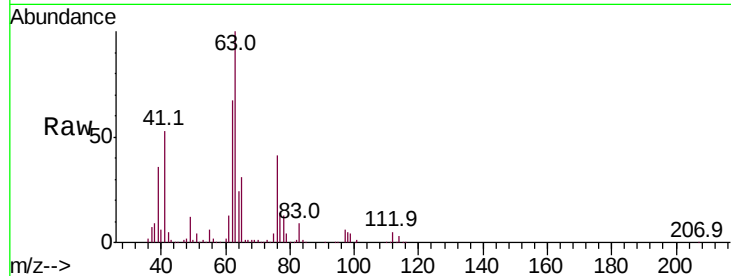
VSTDCCC050

Tot Ion: 63 Resp: 172435

Ion Ratio Lower Upper

63 100

65 31.3 25.3 37.9



#46

Dibromomethane

Concen: 52.803 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

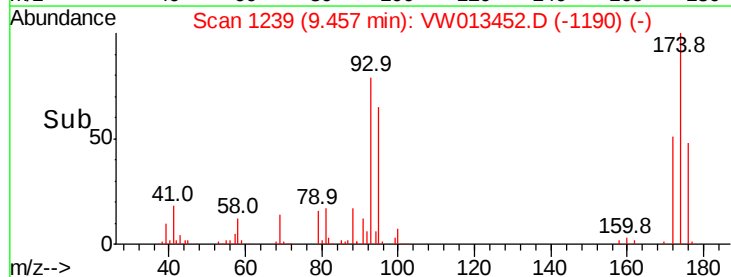
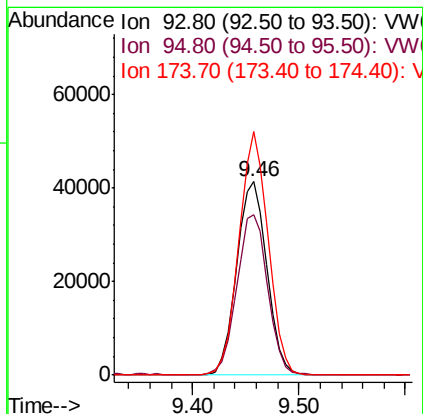
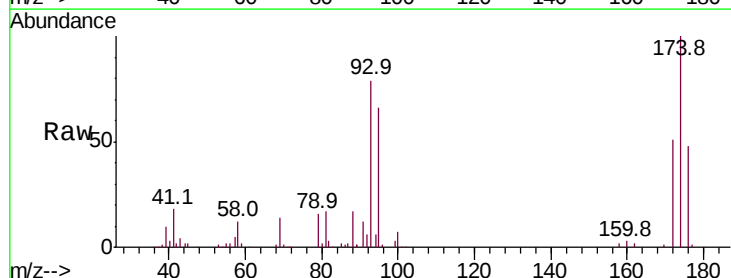
Tgt Ion: 93 Resp: 82712

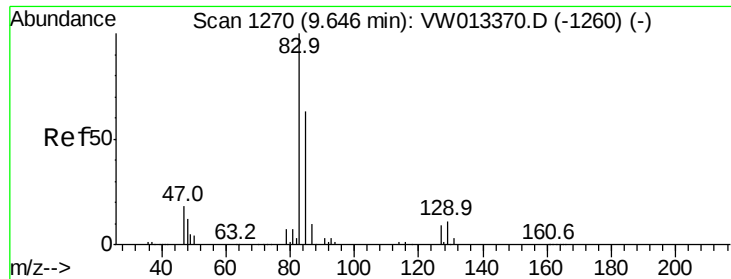
Ion Ratio Lower Upper

93 100

95 84.3 66.4 99.6

174 121.4 93.0 139.6





#47

Bromodichloromethane

Concen: 55.653 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

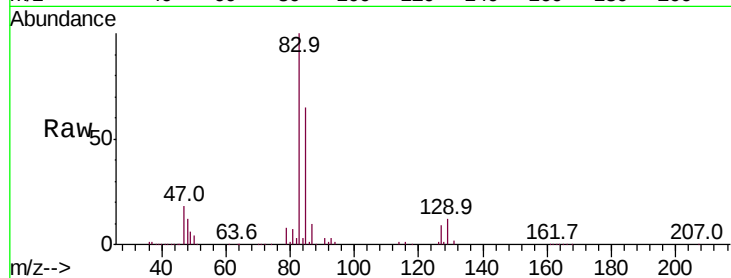
Tot Ion: 83 Resp: 214605

Ion Ratio Lower Upper

83 100

85 64.8 49.4 74.2

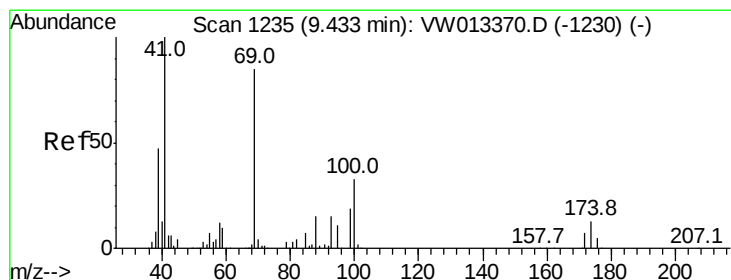
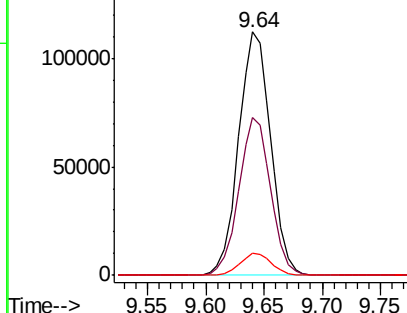
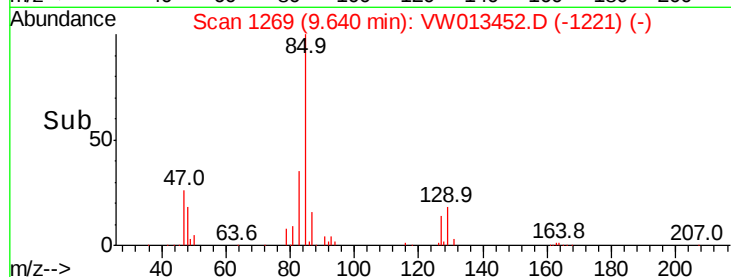
127 9.1 6.5 9.7



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): V



#48

Methyl methacrylate

Concen: 54.384 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

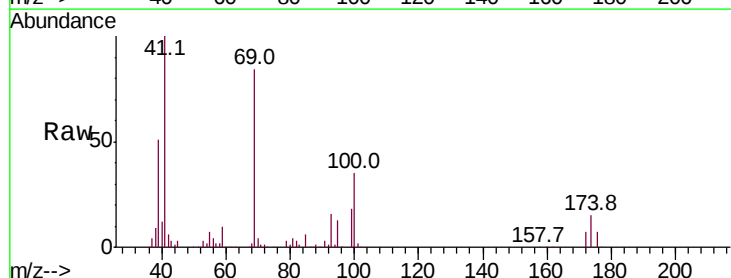
Tgt Ion: 41 Resp: 100433

Ion Ratio Lower Upper

41 100

69 87.2 69.7 104.5

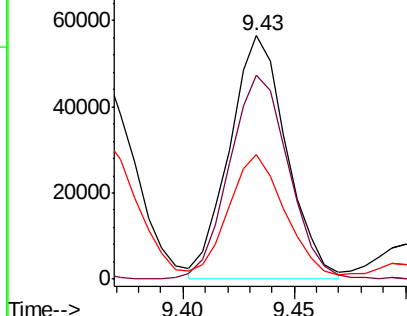
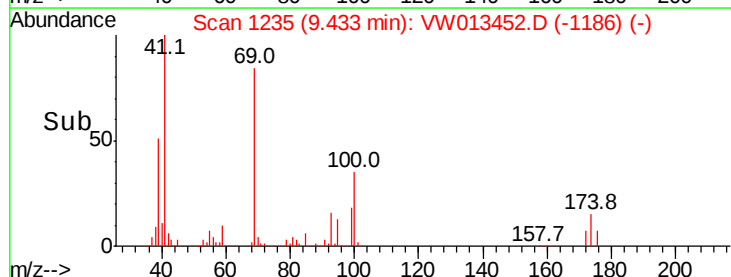
39 47.2 41.1 61.7

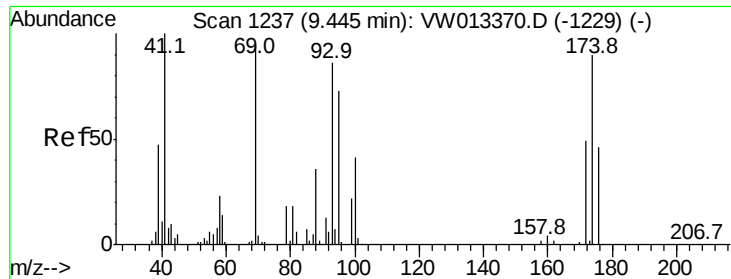


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1161.294 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

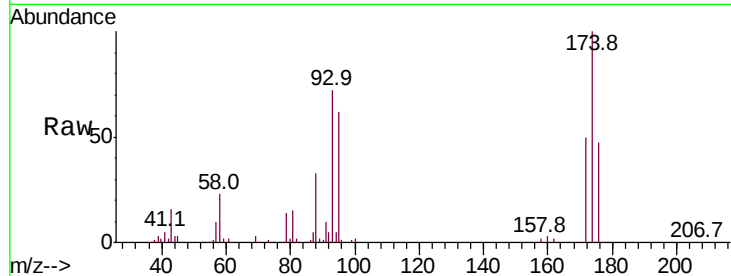
Tot Ion: 88 Resp: 27971

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

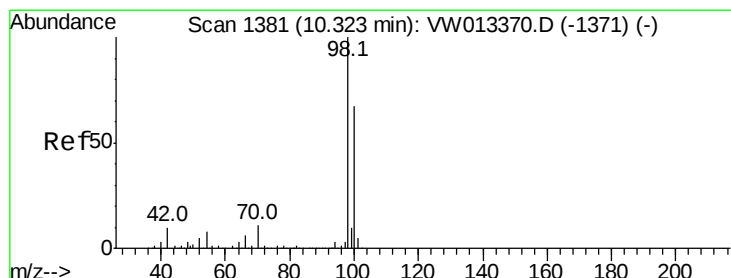
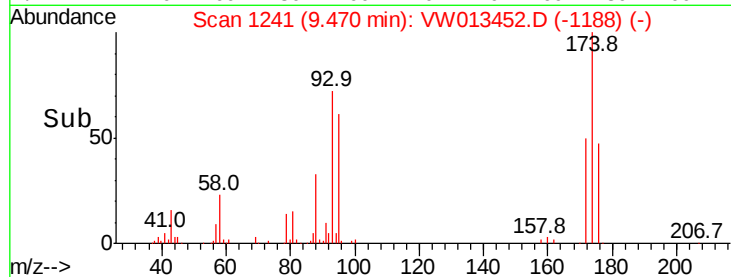
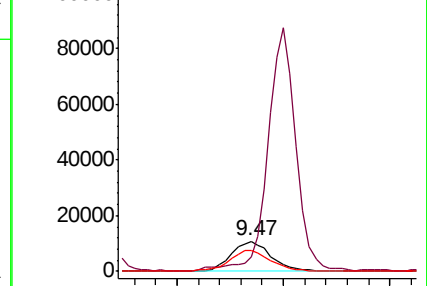
58 73.0 65.4 98.0



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: 55.224 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013452.D

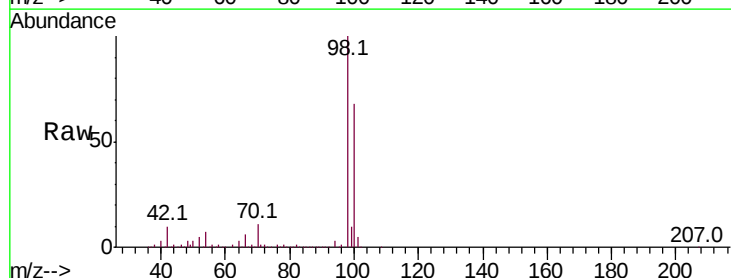
Acq: 07 Oct 2019 10:04

Tgt Ion: 98 Resp: 599050

Ion Ratio Lower Upper

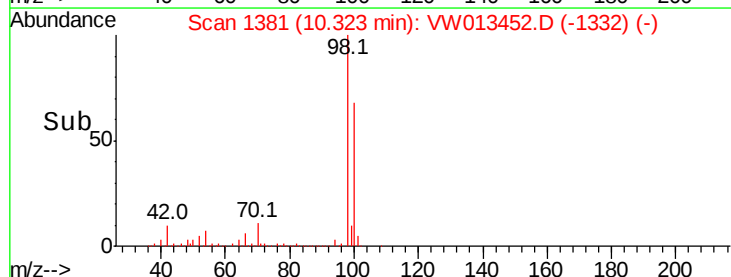
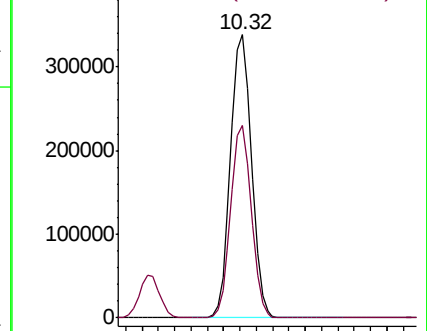
98 100

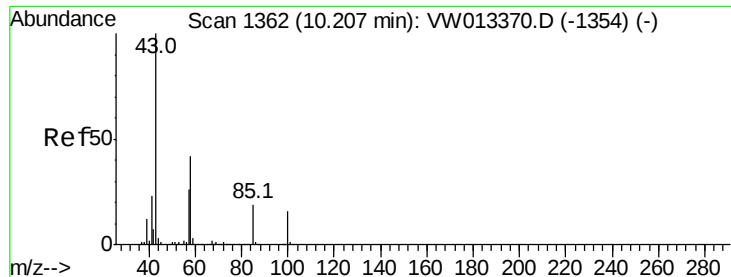
100 67.0 52.9 79.3



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: 254.244 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

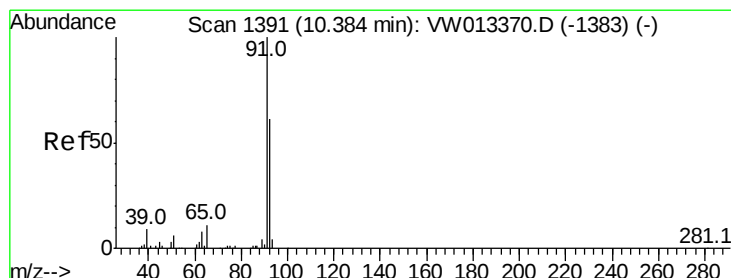
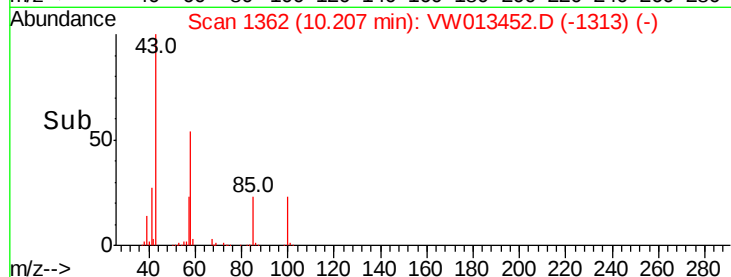
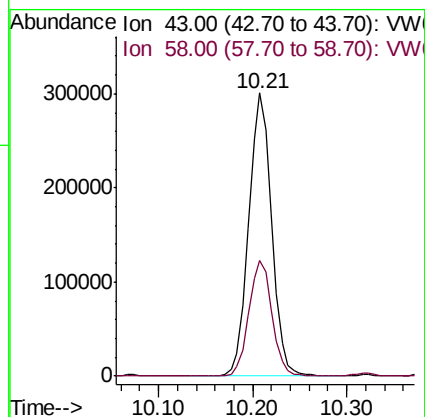
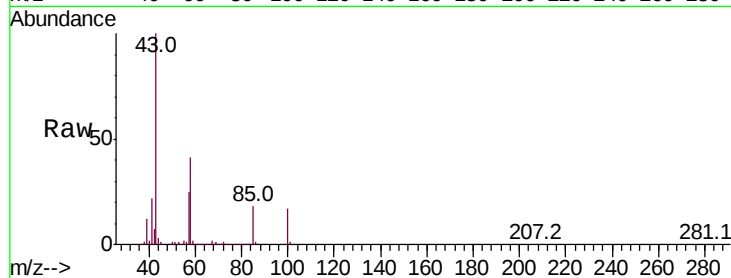
VSTDCCC050

Tot Ion: 43 Resp: 513402

Ion Ratio Lower Upper

43 100

58 41.1 31.7 47.5



#52

Toluene

Concen: 53.910 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013452.D

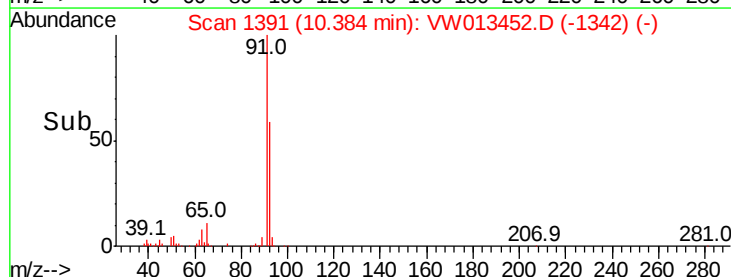
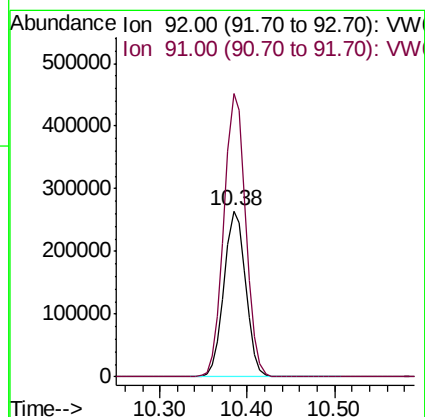
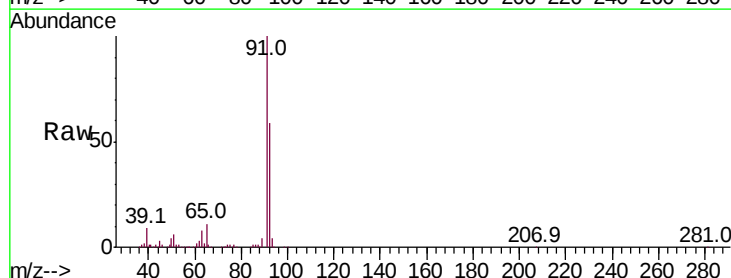
Acq: 07 Oct 2019 10:04

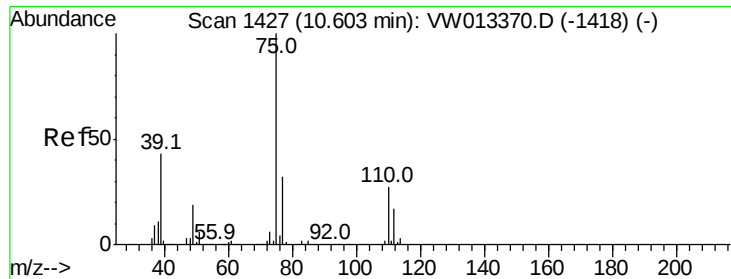
Tgt Ion: 92 Resp: 455447

Ion Ratio Lower Upper

92 100

91 170.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 56.980 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampled :

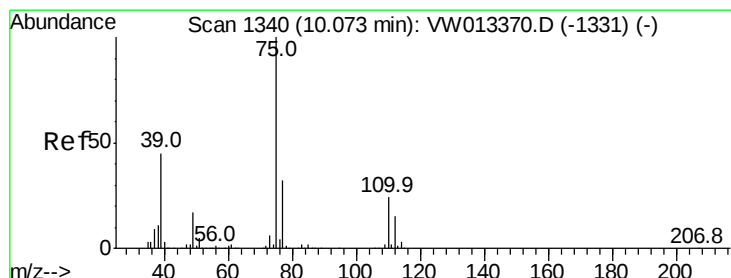
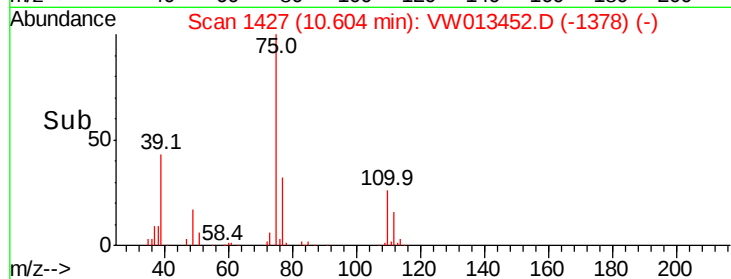
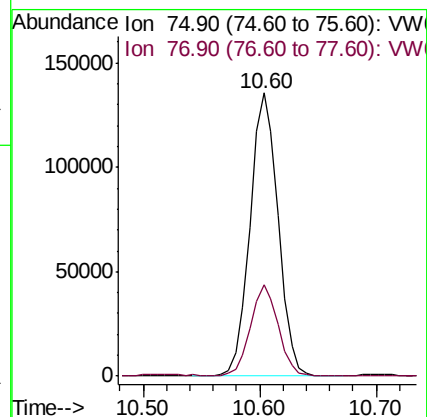
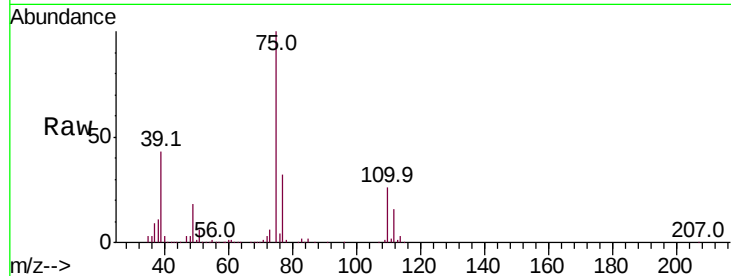
VSTDCCC050

Tot Ion: 75 Resp: 228544

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 56.100 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

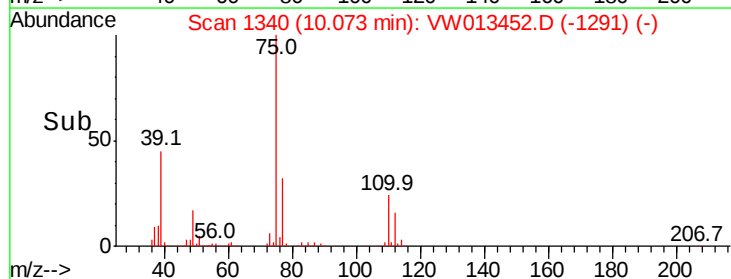
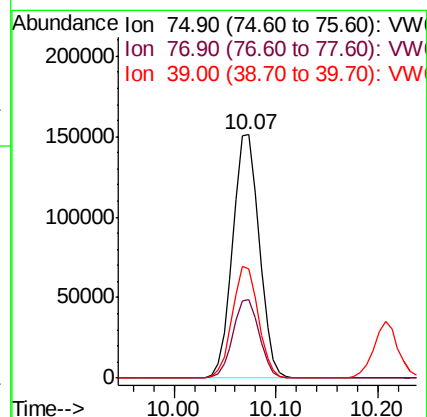
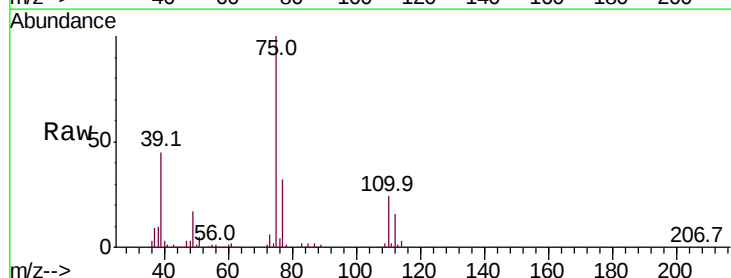
Tgt Ion: 75 Resp: 272817

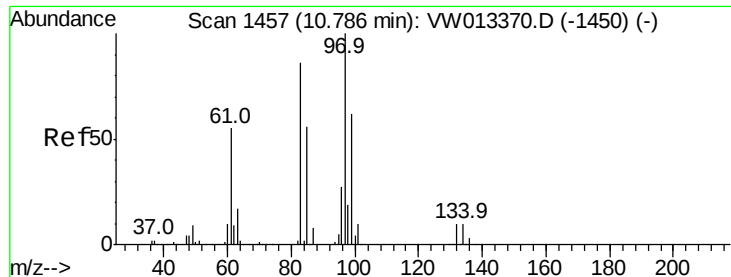
Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

39 44.9 36.6 55.0

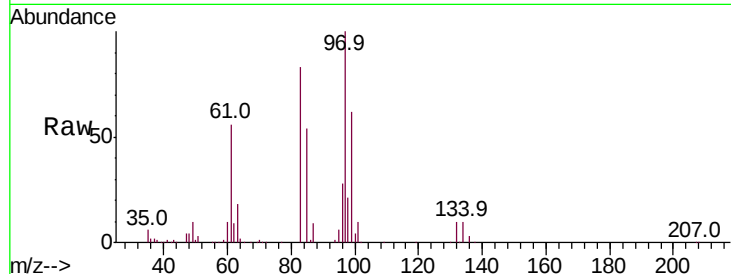




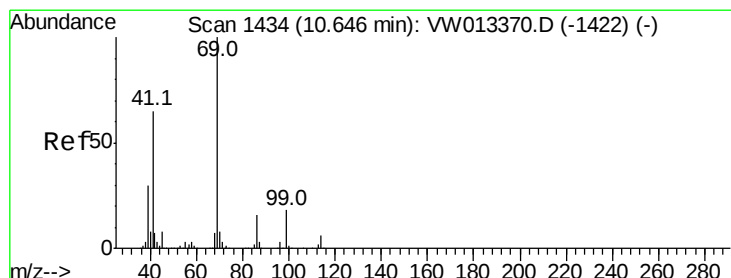
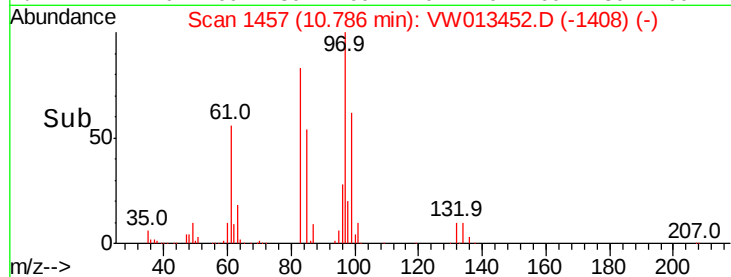
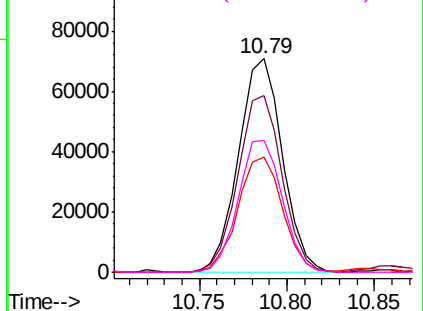
#55
 1,1,2-Trichloroethane
 Concen: 53.122 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 124132
 Ion Ratio Lower Upper
 97 100
 83 82.6 67.6 101.4
 85 54.1 41.9 62.9
 99 61.7 50.1 75.1

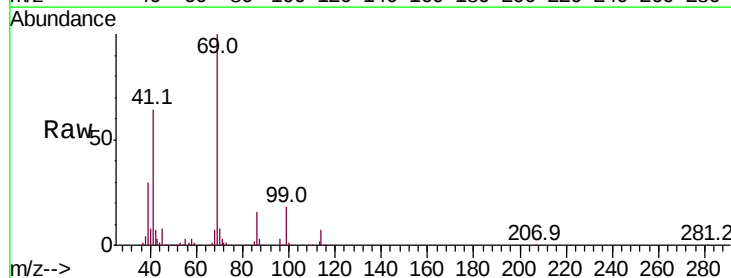


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

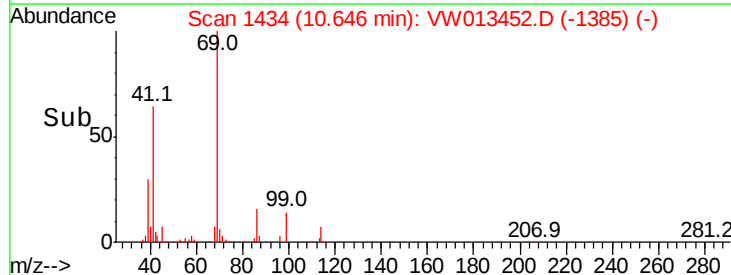
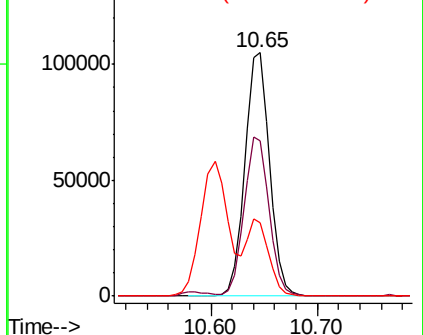


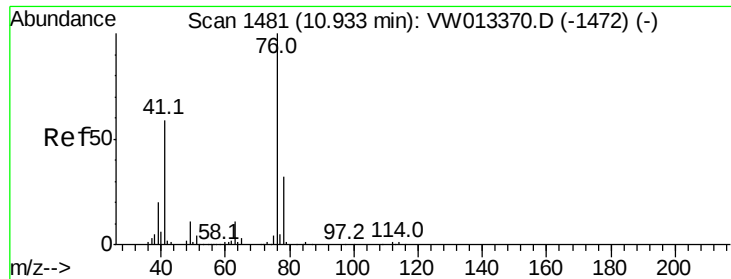
#56
 Ethyl methacrylate
 Concen: 54.656 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

Tgt Ion: 69 Resp: 171906
 Ion Ratio Lower Upper
 69 100
 41 66.1 53.9 80.9
 39 27.4 23.8 35.6



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

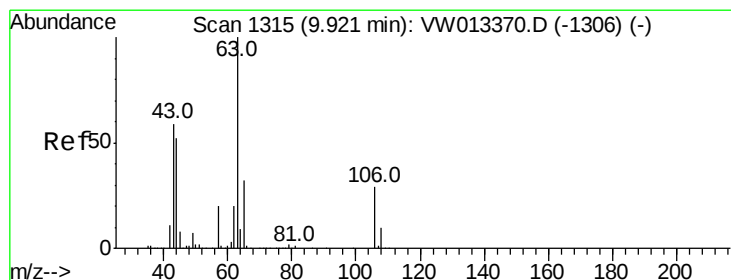
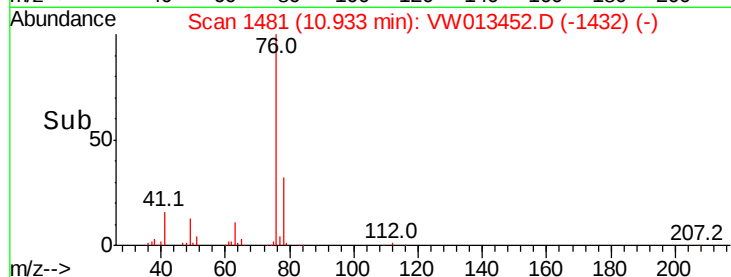
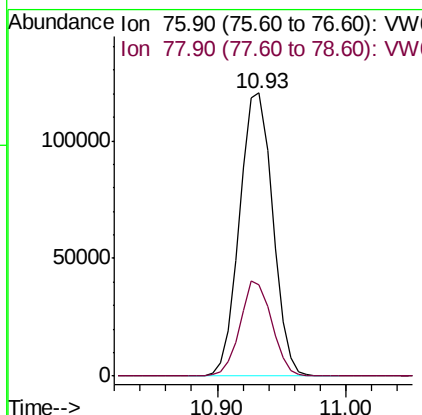
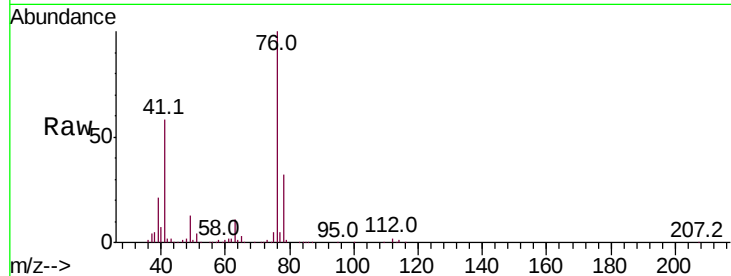




#57
 1,3-Dichloropropane
 Concen: 52.905 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

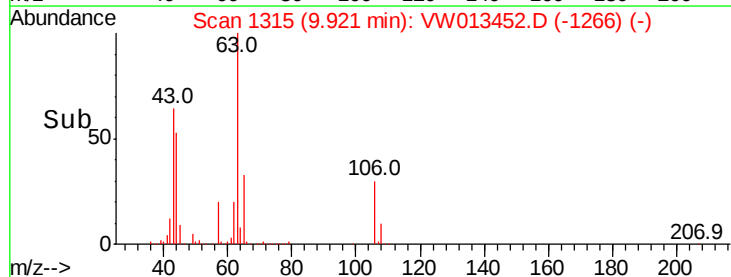
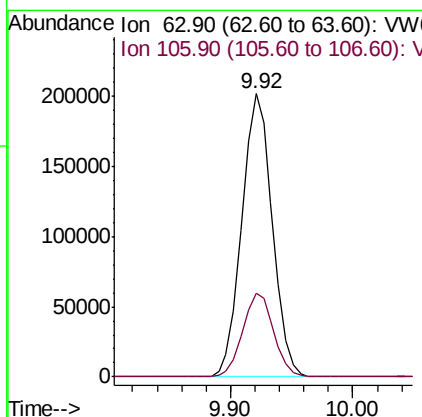
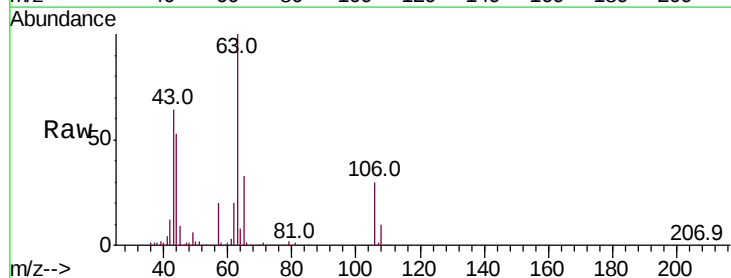
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

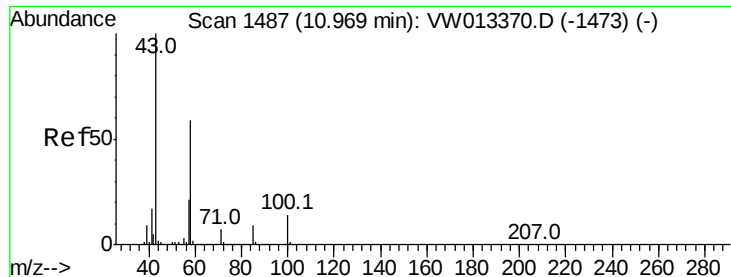
Tot Ion: 76 Resp: 214917
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.580 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

Tgt Ion: 63 Resp: 348295
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0





#59

2-Hexanone

Concen: 282.498 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

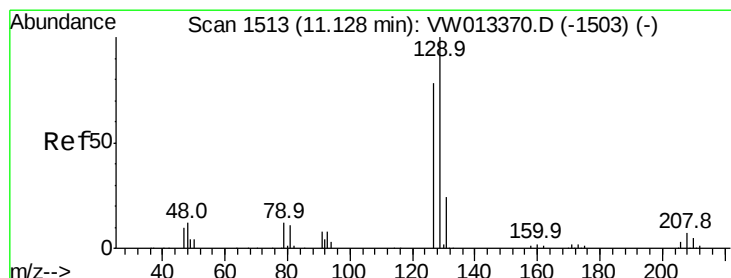
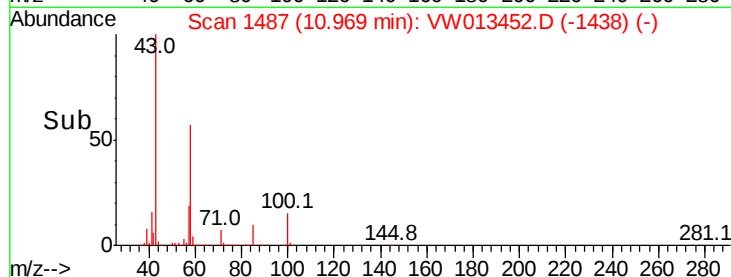
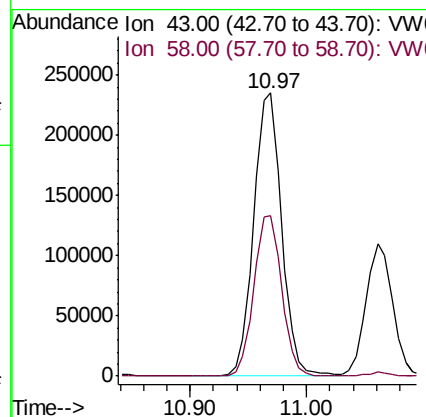
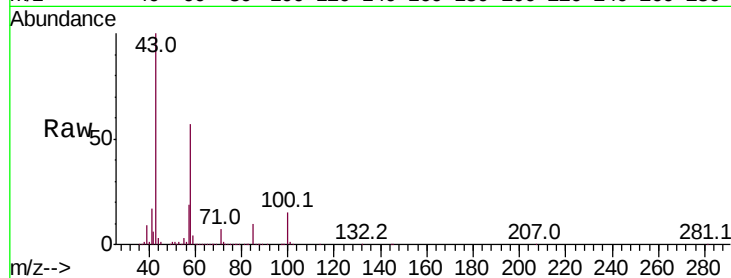
VSTDCCC050

Tot Ion: 43 Resp: 395399

Ion Ratio Lower Upper

43 100

58 56.7 28.1 84.2



#60

Dibromochloromethane

Concen: 55.356 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013452.D

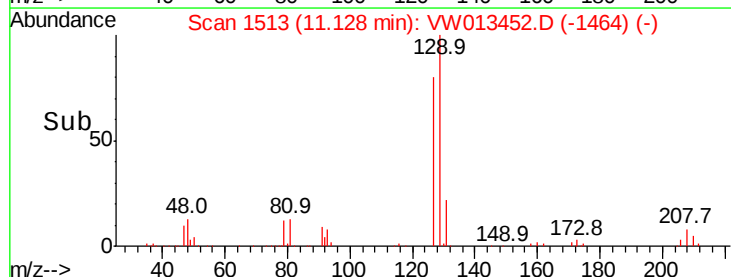
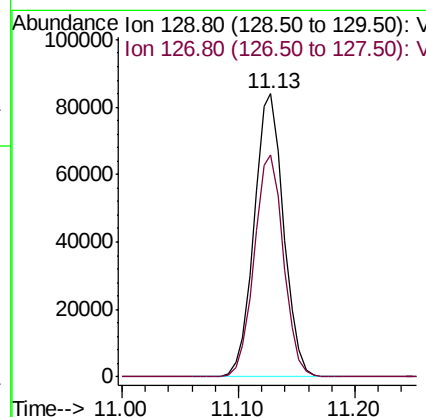
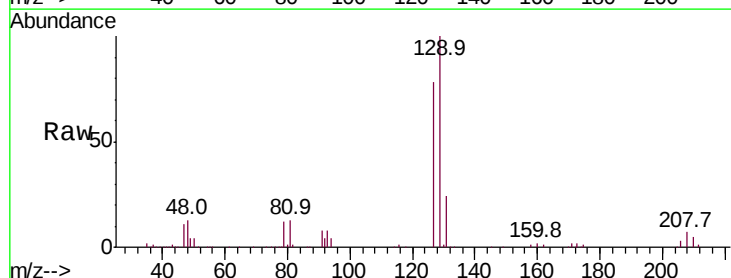
Acq: 07 Oct 2019 10:04

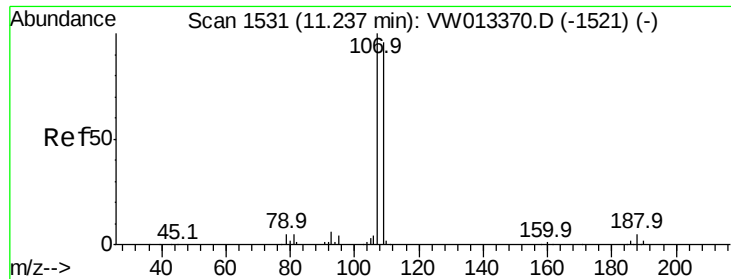
Tgt Ion: 129 Resp: 147980

Ion Ratio Lower Upper

129 100

127 78.0 38.8 116.4

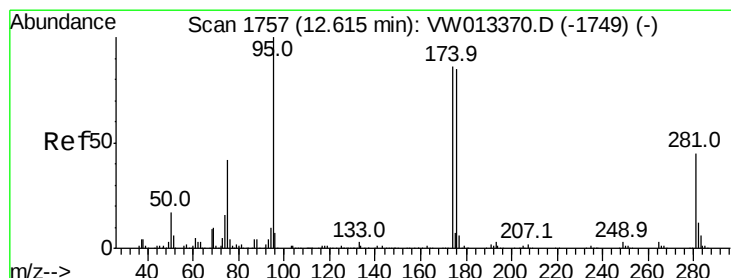
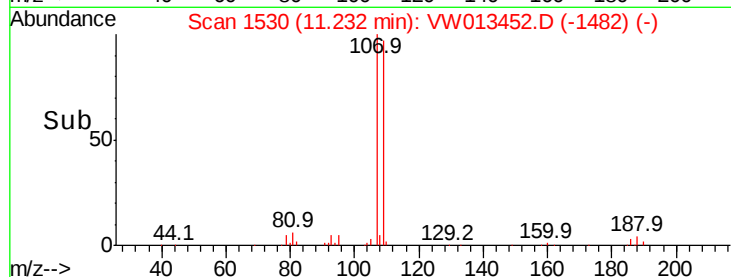
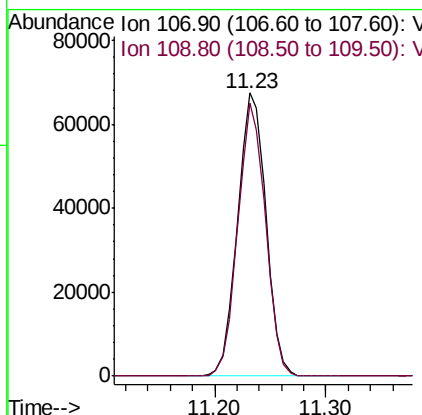
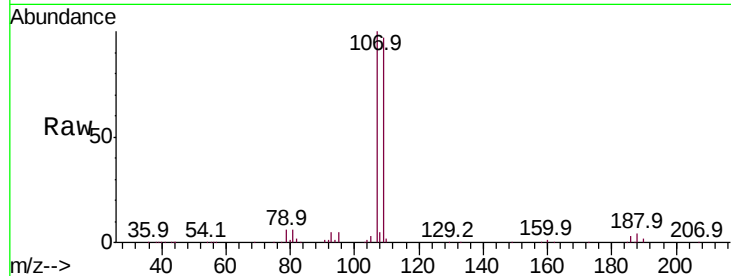




#61
 1,2-Dibromoethane
 Concen: 52.684 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

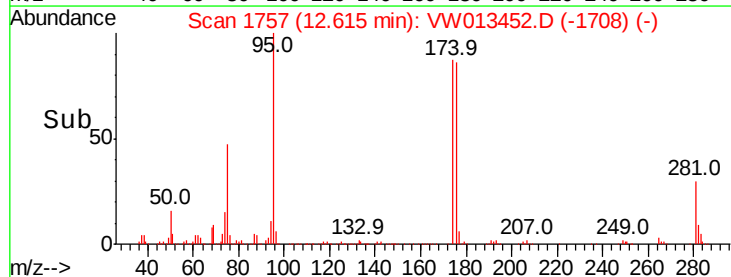
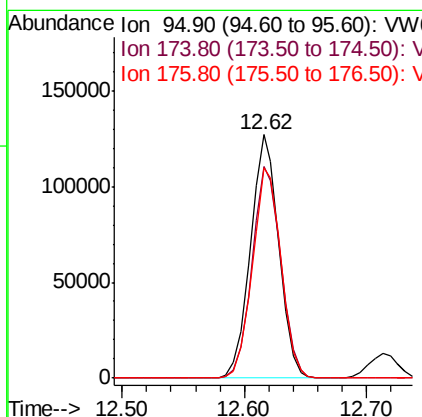
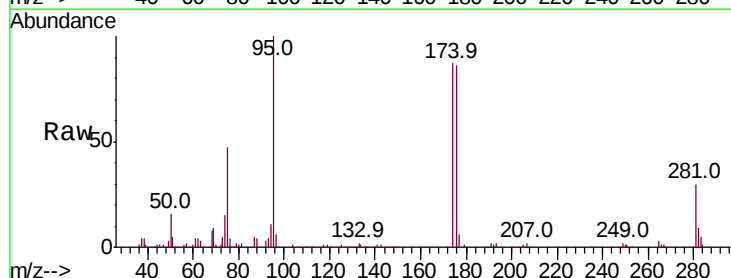
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

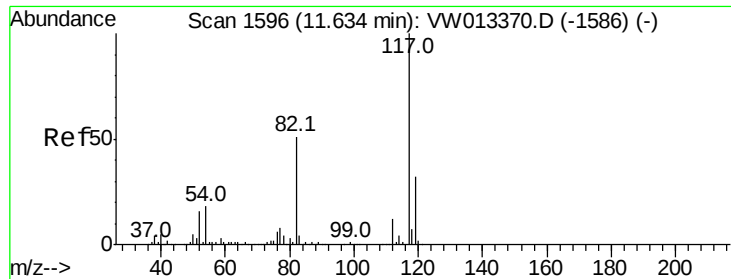
Tot Ion:107 Resp: 118960
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 56.490 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

Tgt Ion: 95 Resp: 204633
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 178.4
 176 87.2 0.0 172.2

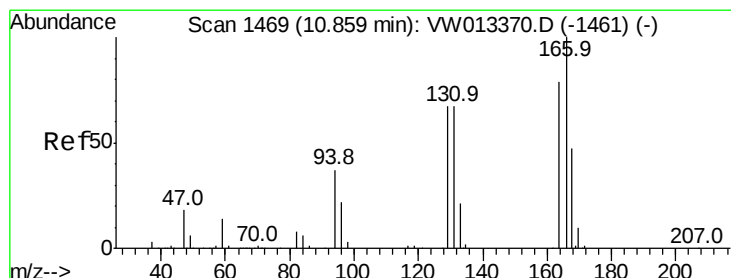
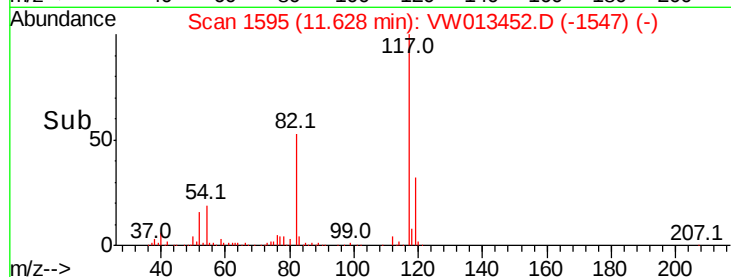
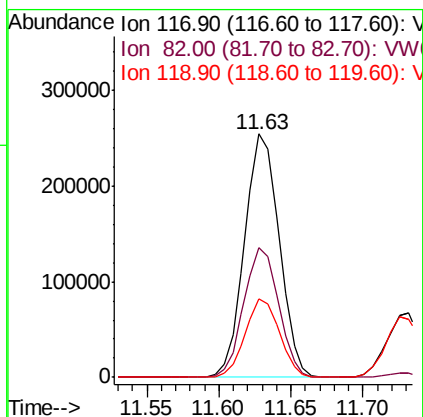
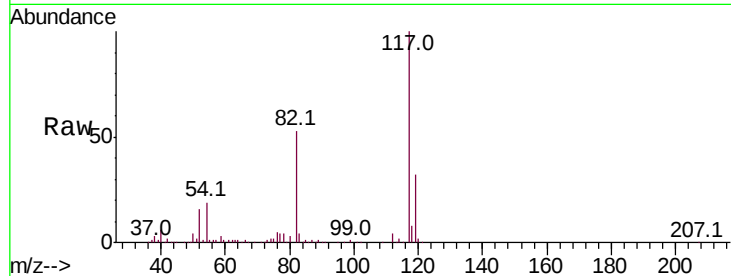




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

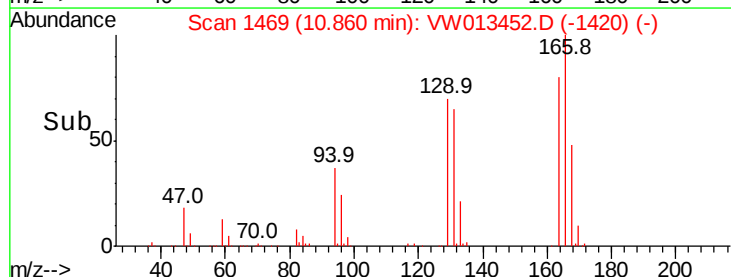
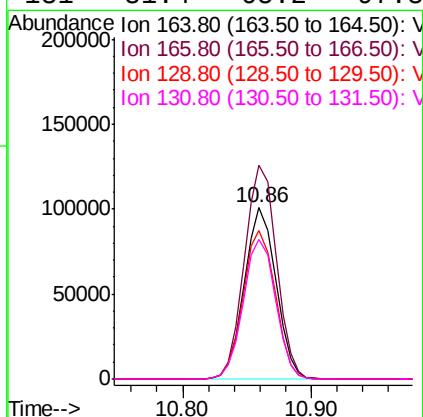
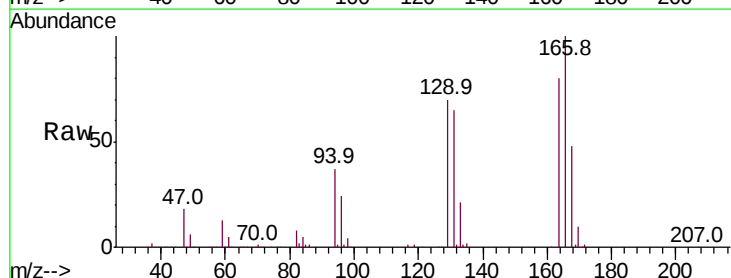
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

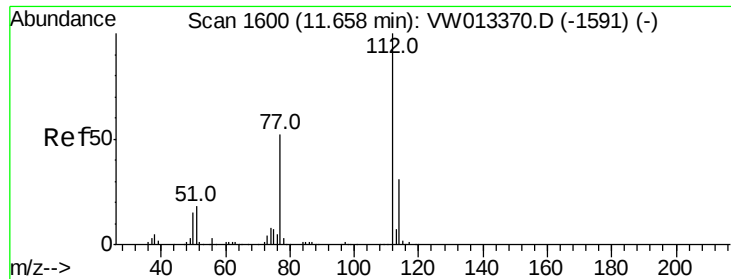
Tot Ion:117 Resp: 424574
Ion Ratio Lower Upper
117 100
82 53.3 45.9 68.9
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 53.049 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion:164 Resp: 171354
Ion Ratio Lower Upper
164 100
166 125.0 101.2 151.8
129 87.1 68.8 103.2
131 81.4 65.2 97.8

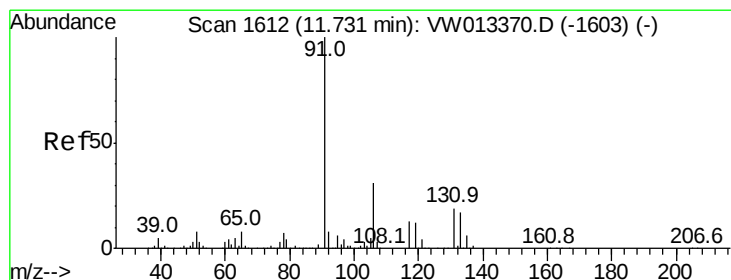
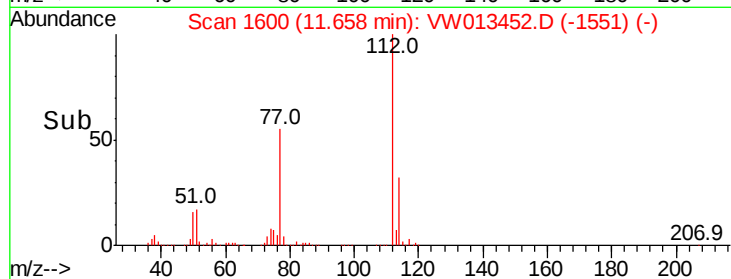
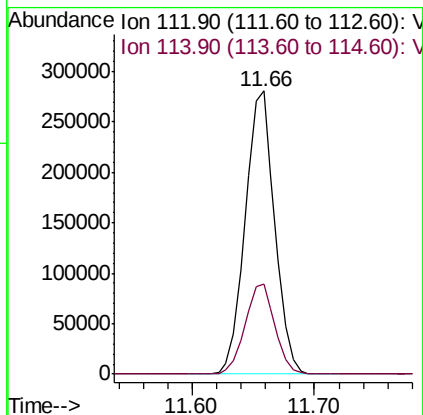
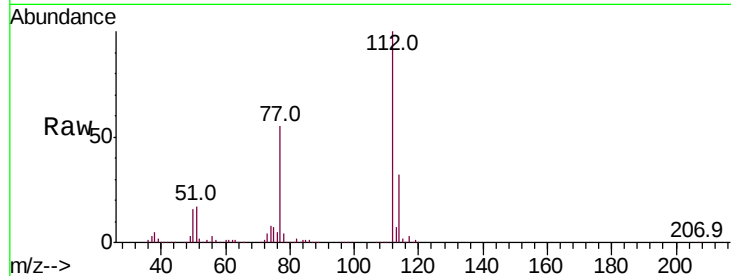




#65
Chlorobenzene
Concen: 53.896 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

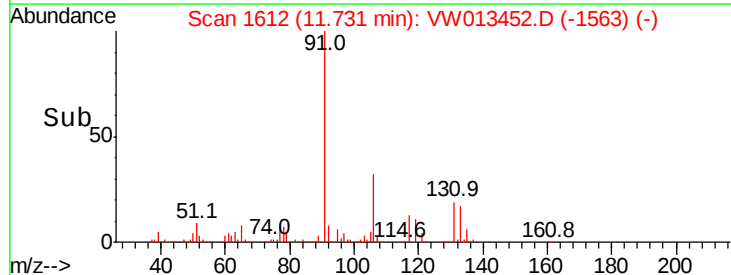
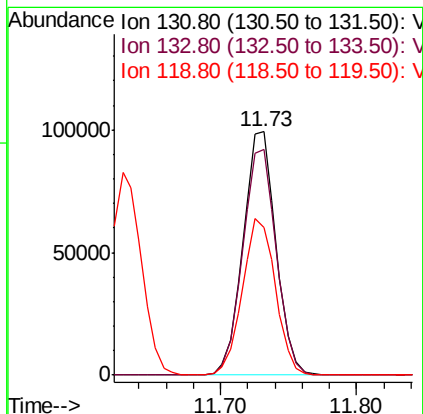
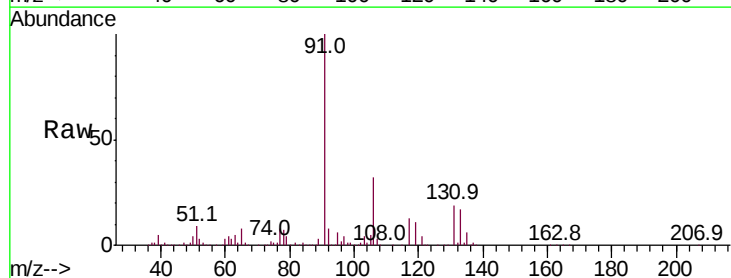
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

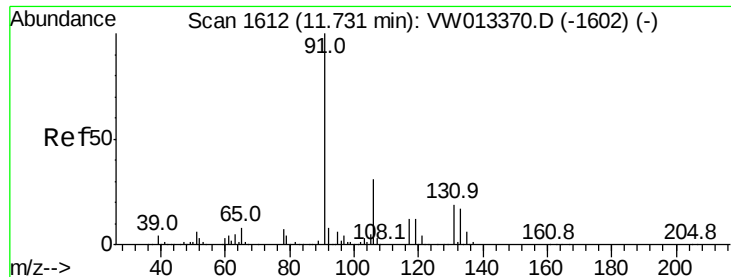
Tot Ion:112 Resp: 468798
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 56.628 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion:131 Resp: 167766
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.6
119 64.9 32.5 97.5

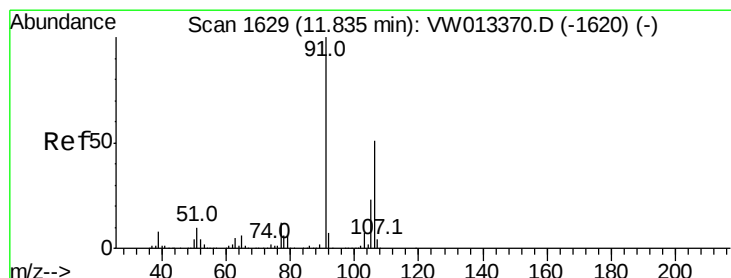
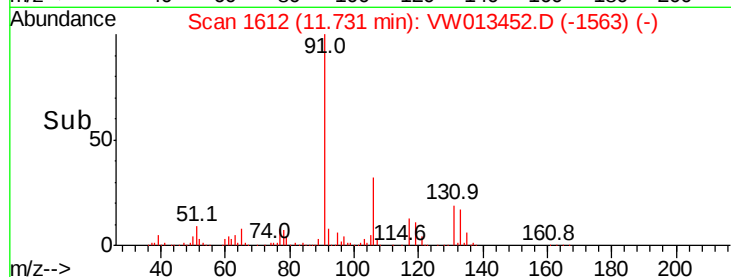
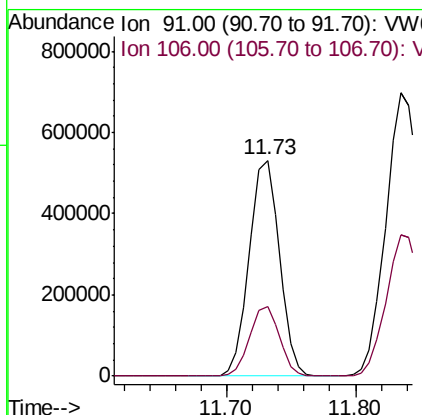
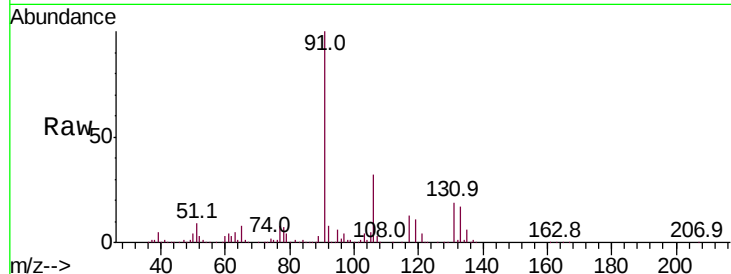




#67
Ethyl Benzene
Concen: 55.126 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

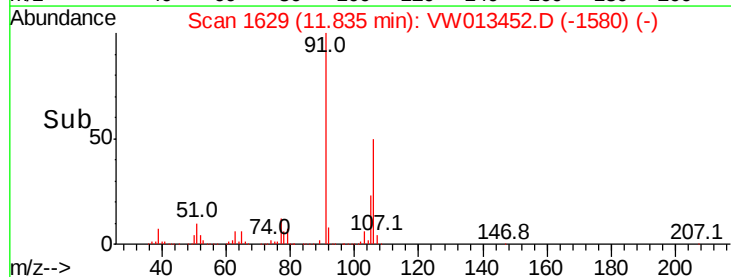
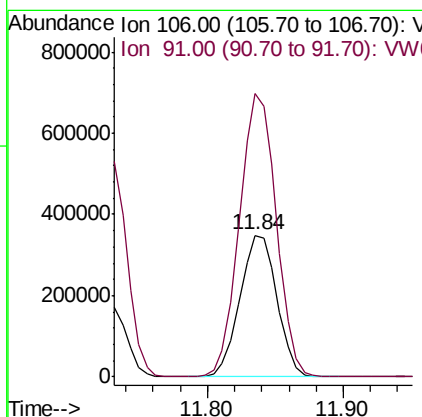
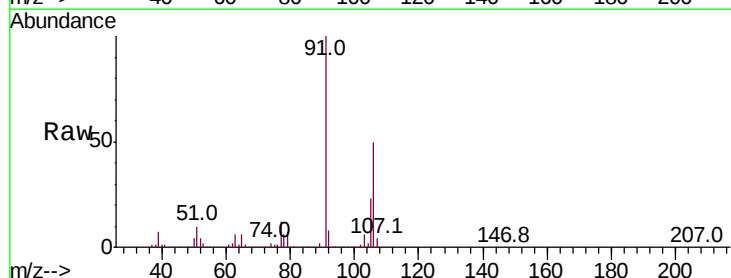
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

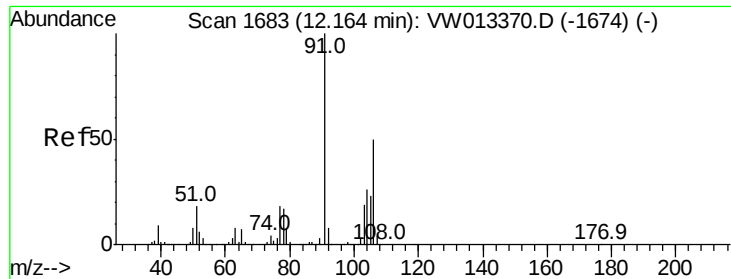
Tot Ion: 91 Resp: 859386
Ion Ratio Lower Upper
91 100
106 32.4 24.9 37.3



#68
m/p-Xylenes
Concen: 110.207 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion: 106 Resp: 663153
Ion Ratio Lower Upper
106 100
91 198.9 157.9 236.9

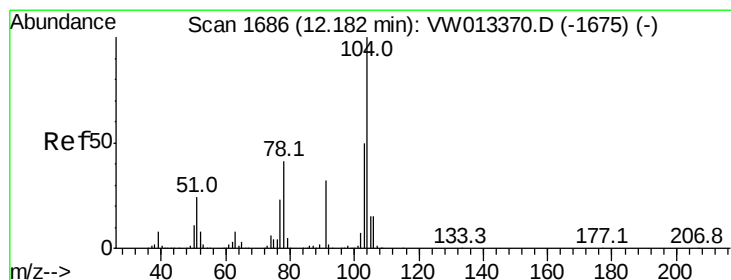
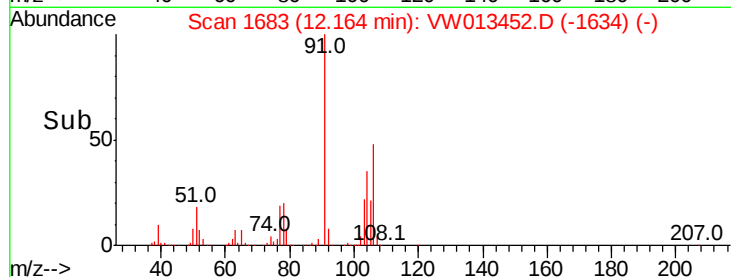
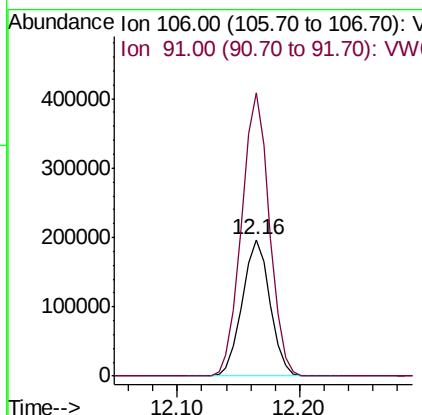
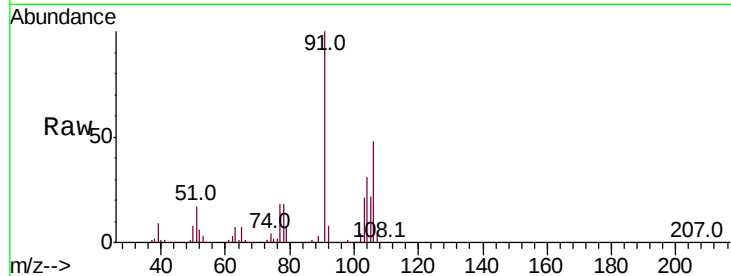




#69
o-Xylene
Concen: 55.777 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

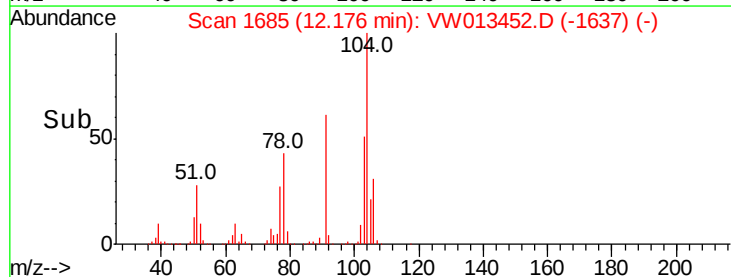
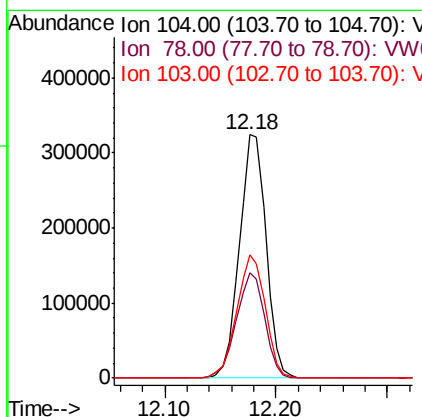
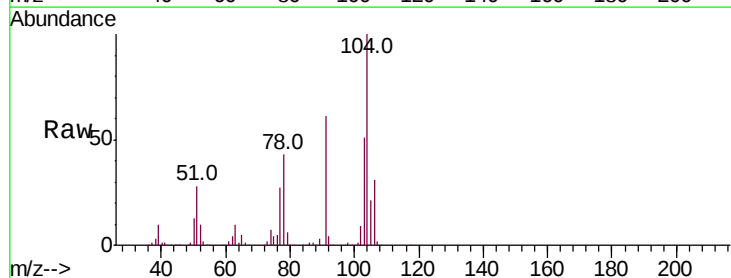
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

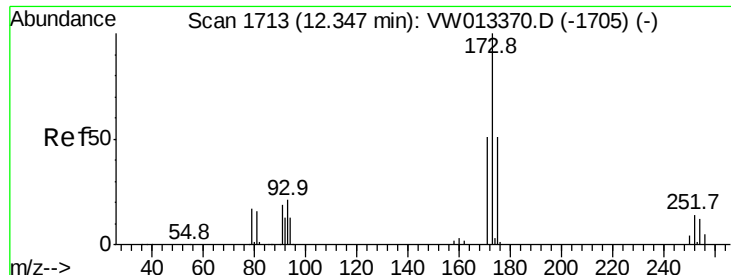
Tot Ion:106 Resp: 310315
Ion Ratio Lower Upper
106 100
91 207.2 106.5 319.5



#70
Styrene
Concen: 56.573 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion:104 Resp: 538036
Ion Ratio Lower Upper
104 100
78 46.0 38.4 57.6
103 54.0 43.3 64.9





#71

Bromoform

Concen: 57.343 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

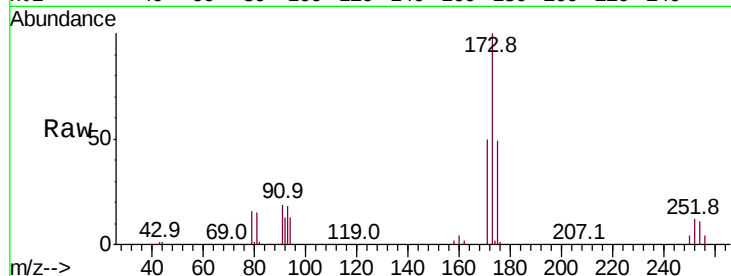
Tot Ion:173 Resp: 92105

Ion Ratio Lower Upper

173 100

175 49.6 24.3 73.0

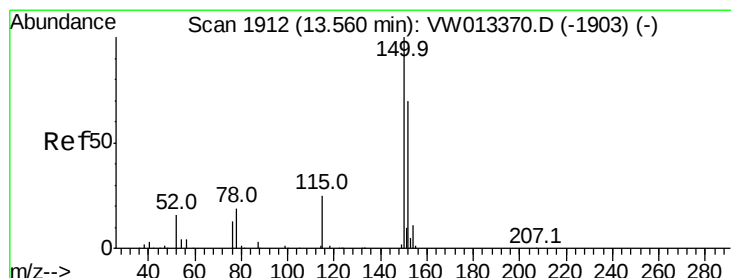
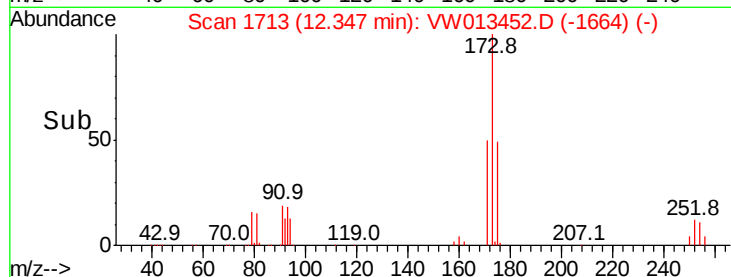
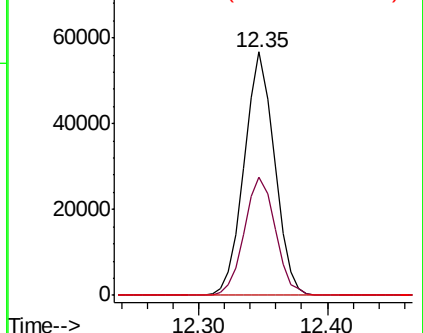
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

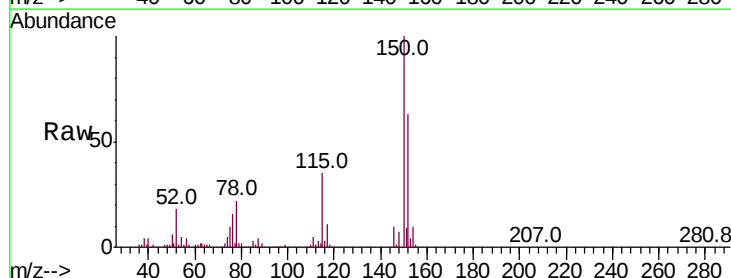
Tgt Ion:152 Resp: 213677

Ion Ratio Lower Upper

152 100

115 54.8 27.3 81.9

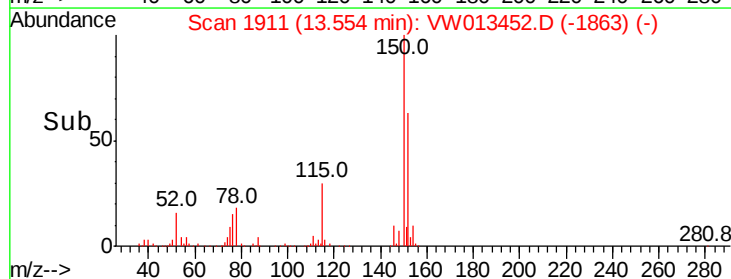
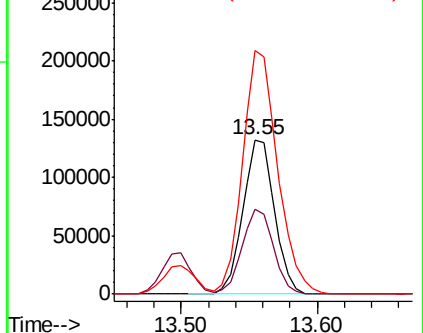
150 175.1 0.0 349.0

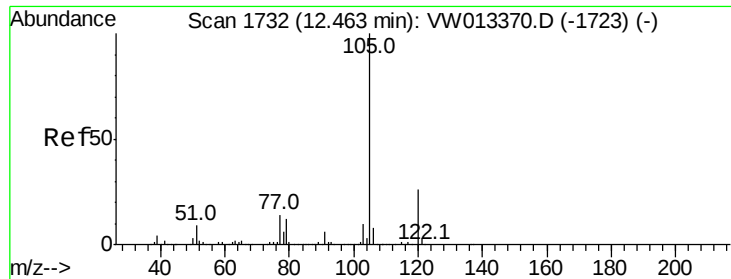


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.057 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

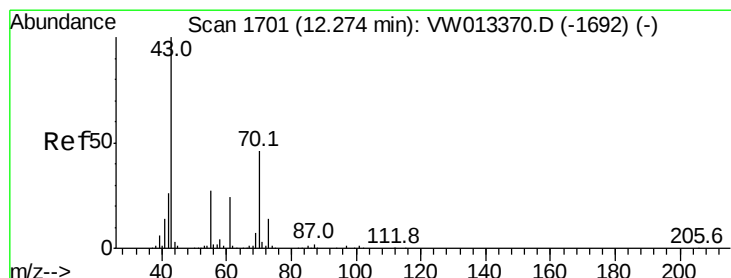
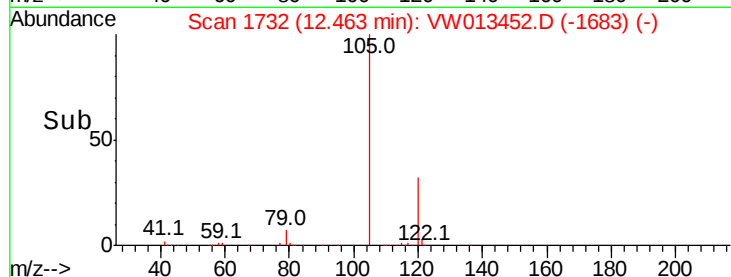
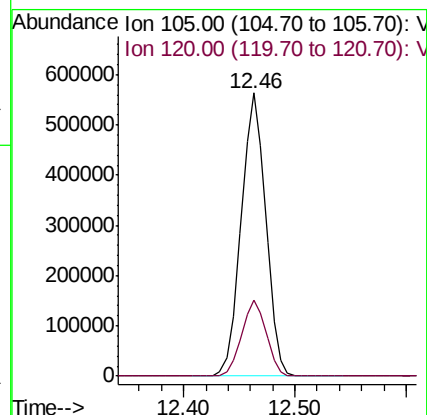
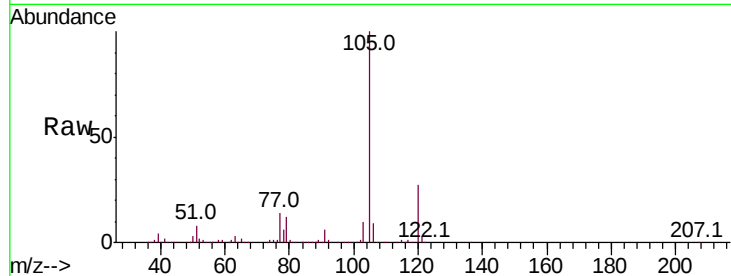
VSTDCCC050

Tot Ion:105 Resp: 860542

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#74

N-ethyl acetate

Concen: 55.031 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Tgt Ion: 43 Resp: 183055

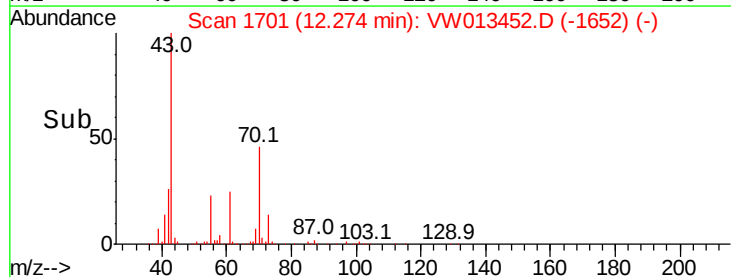
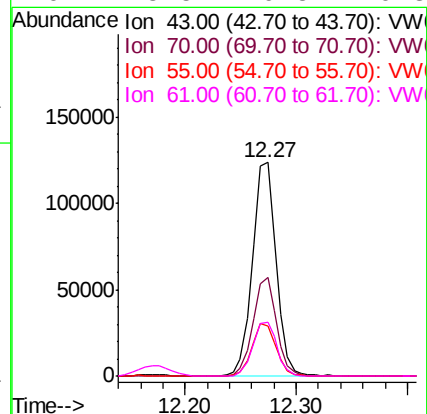
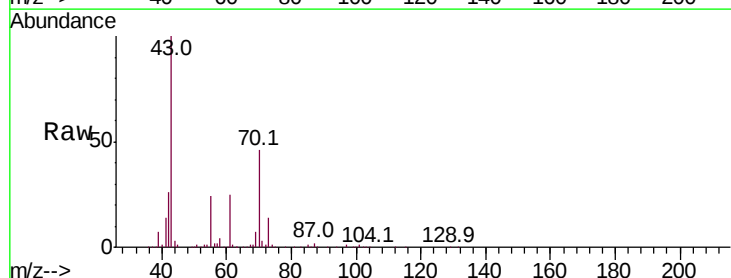
Ion Ratio Lower Upper

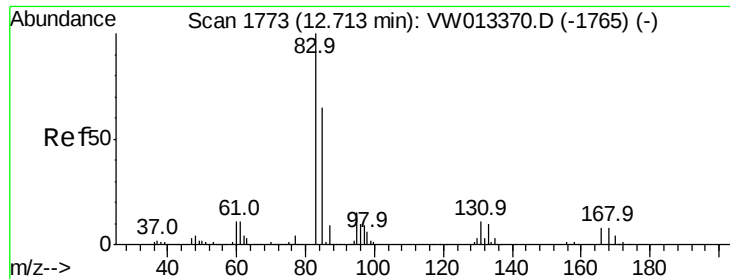
43 100

70 45.7 35.1 52.7

55 25.6 19.9 29.9

61 25.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 52.706 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

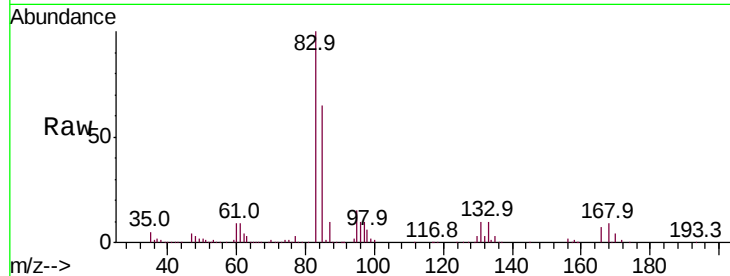
Tot Ion: 83 Resp: 139434

Ion Ratio Lower Upper

83 100

131 11.5 5.4 16.2

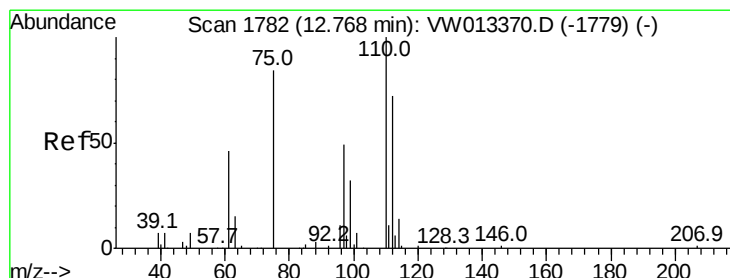
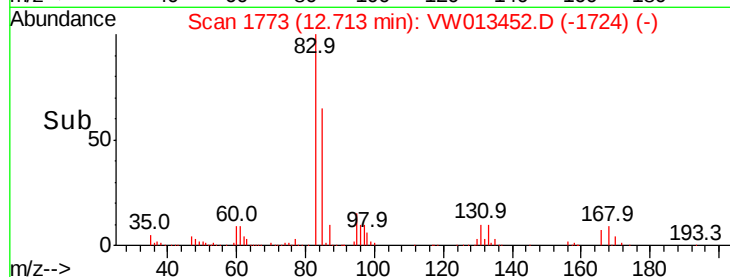
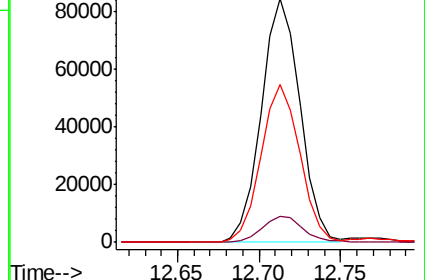
85 64.8 31.9 95.9



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: 94.890 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013452.D

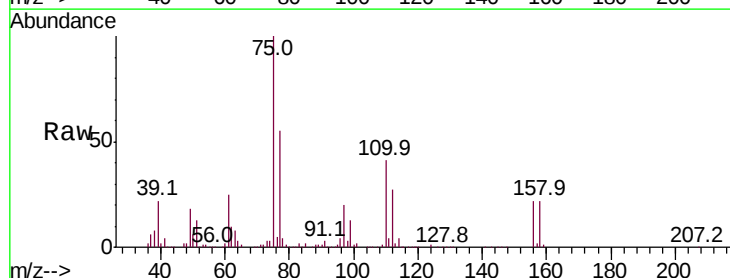
Acq: 07 Oct 2019 10:04

Tgt Ion: 75 Resp: 180205

Ion Ratio Lower Upper

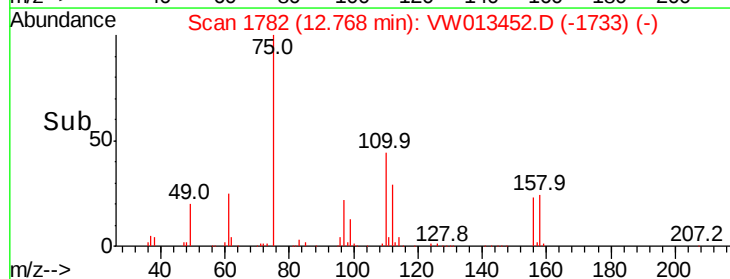
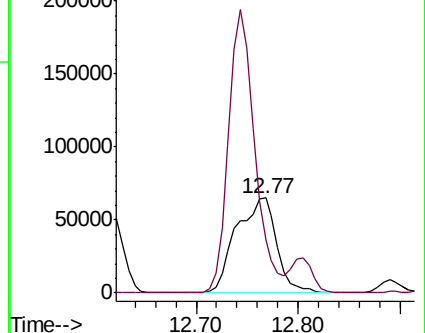
75 100

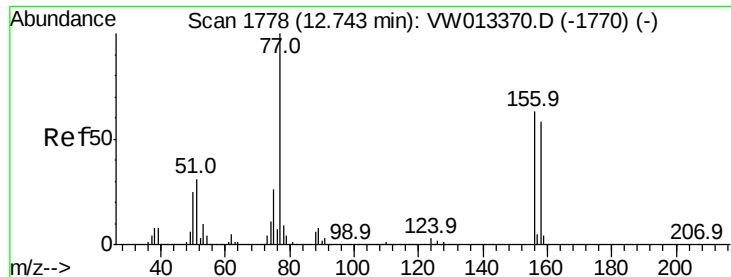
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.635 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

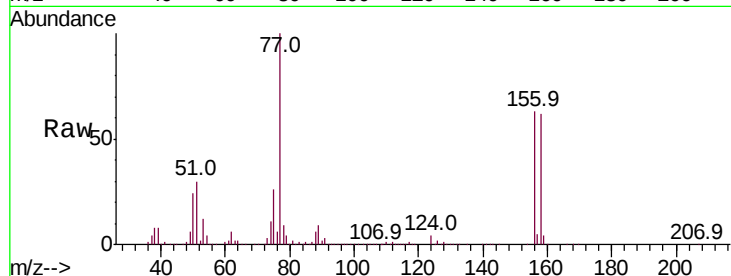
Tot Ion:156 Resp: 201294

Ion Ratio Lower Upper

156 100

77 172.7 85.7 257.1

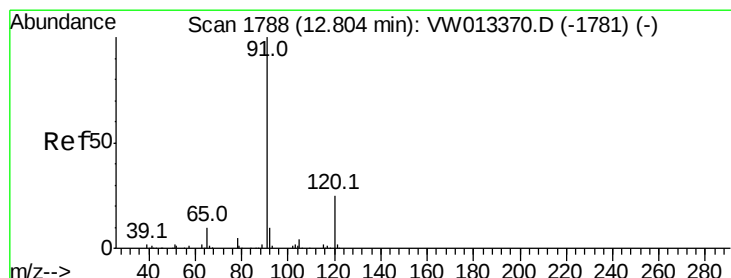
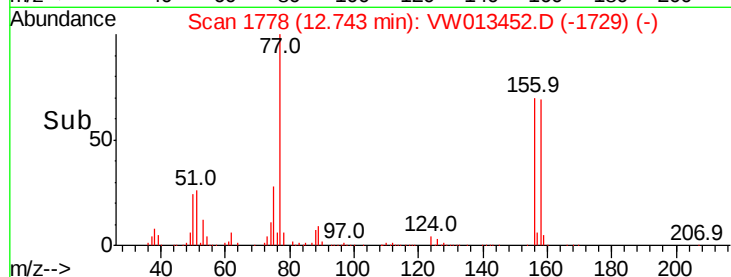
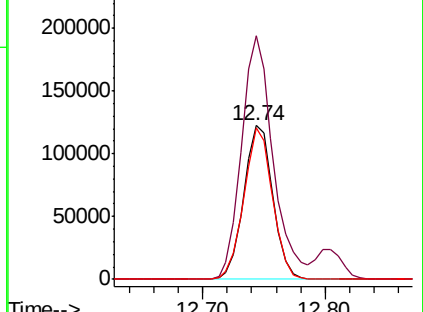
158 97.2 48.1 144.4



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: 55.529 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013452.D

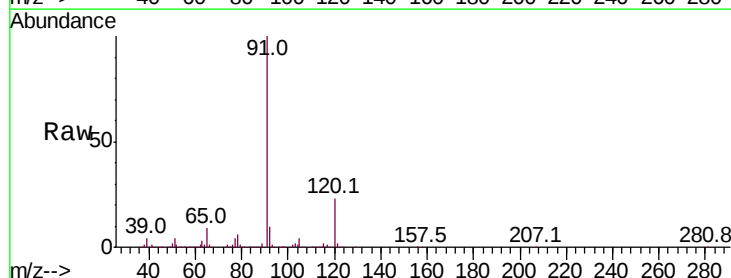
Acq: 07 Oct 2019 10:04

Tgt Ion: 91 Resp: 998351

Ion Ratio Lower Upper

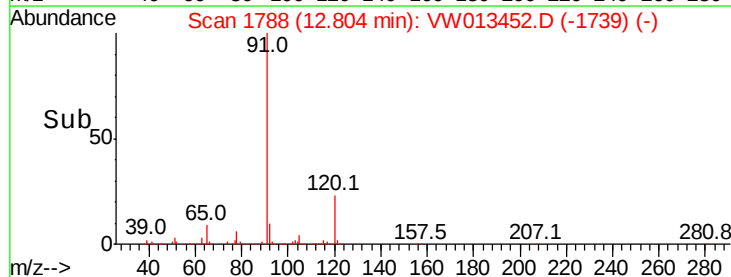
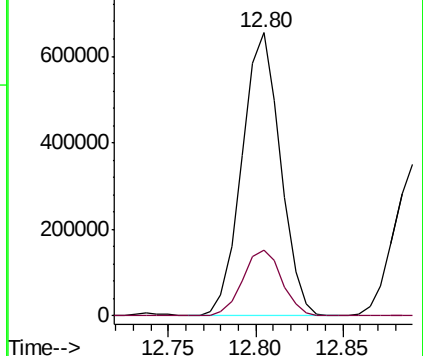
91 100

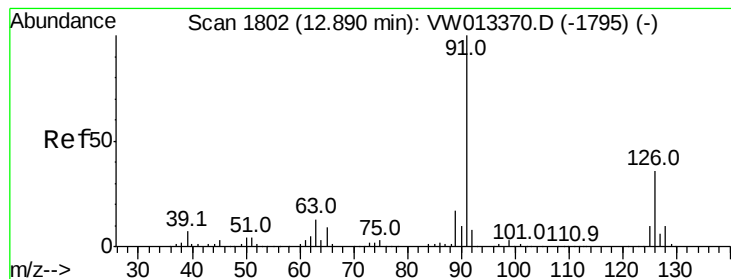
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.363 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

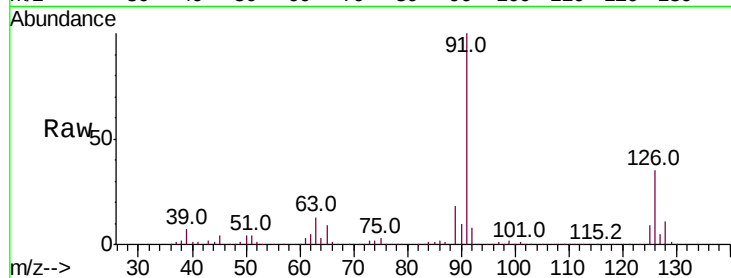
VSTDCCC050

Tot Ion: 91 Resp: 552852

Ion Ratio Lower Upper

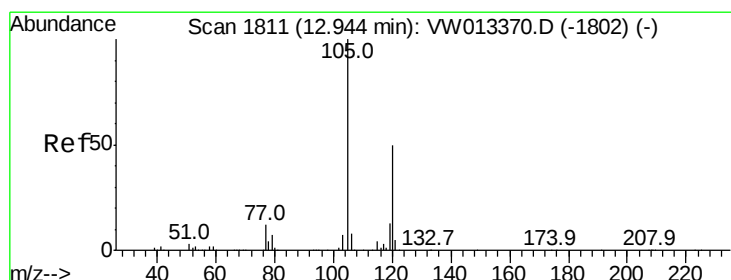
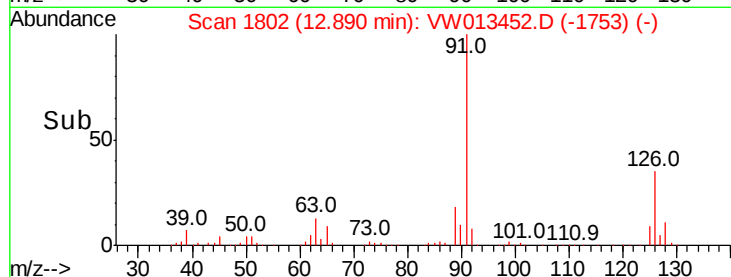
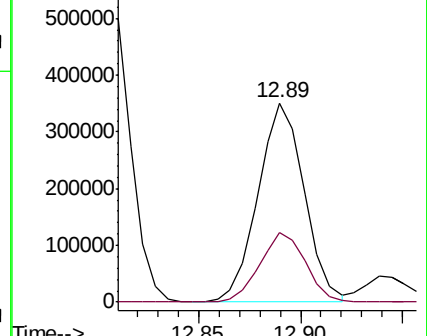
91 100

126 34.7 17.2 51.5



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: 54.965 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013452.D

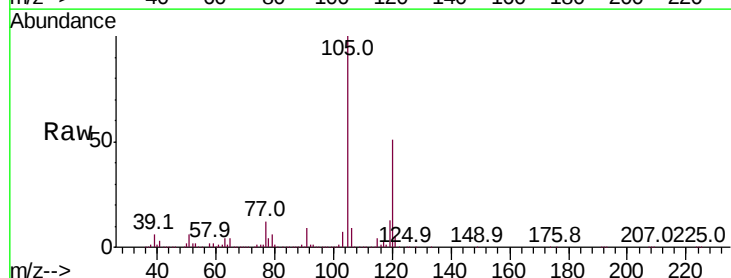
Acq: 07 Oct 2019 10:04

Tgt Ion:105 Resp: 713644

Ion Ratio Lower Upper

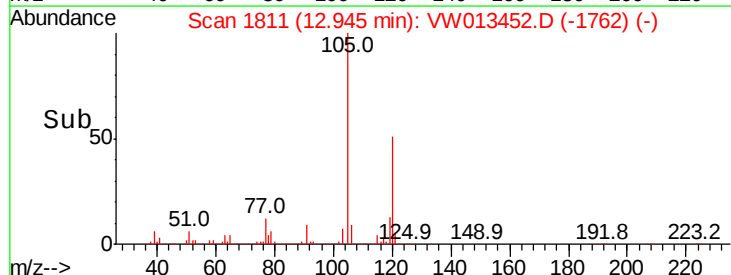
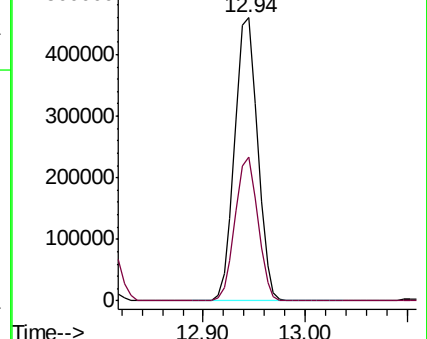
105 100

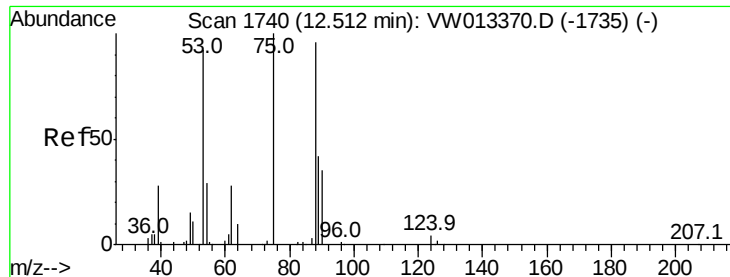
120 50.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.365 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

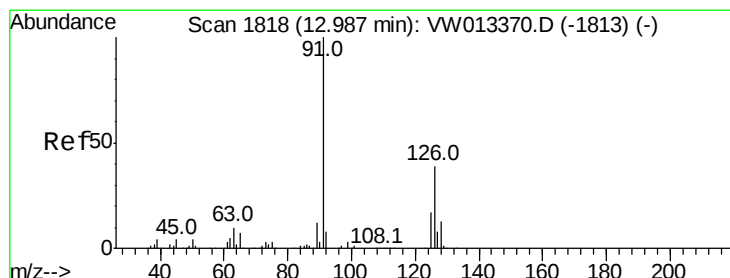
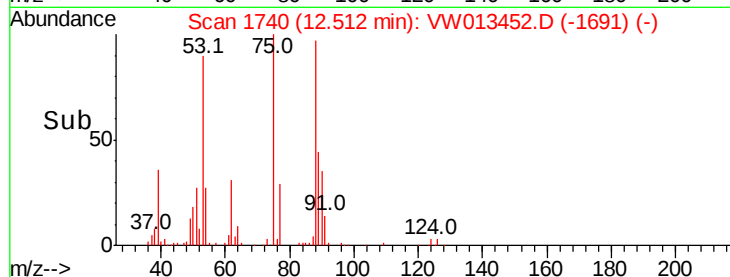
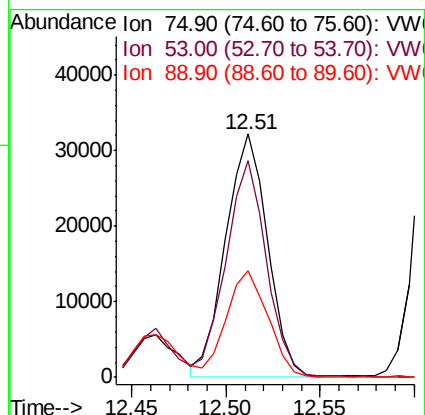
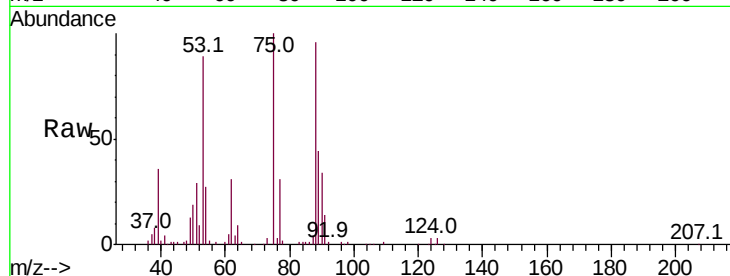
Tot Ion: 75 Resp: 49884

Ion Ratio Lower Upper

75 100

53 86.3 76.6 114.8

89 43.0 33.5 50.3



#82

4-Chlorotoluene

Concen: 55.057 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013452.D

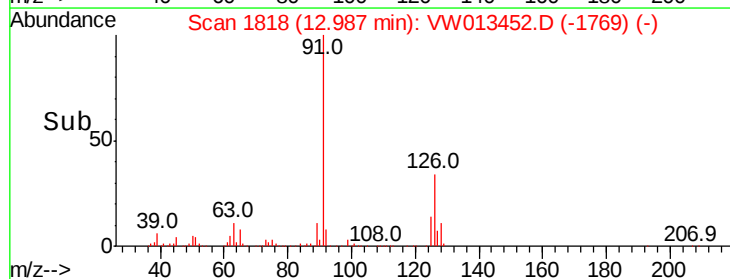
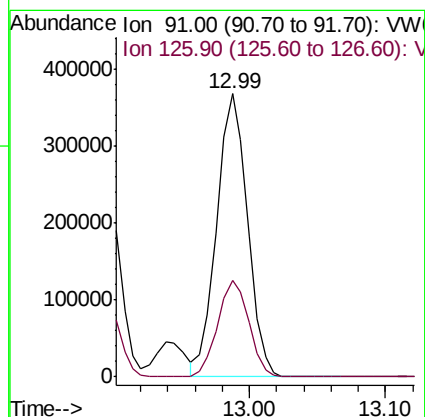
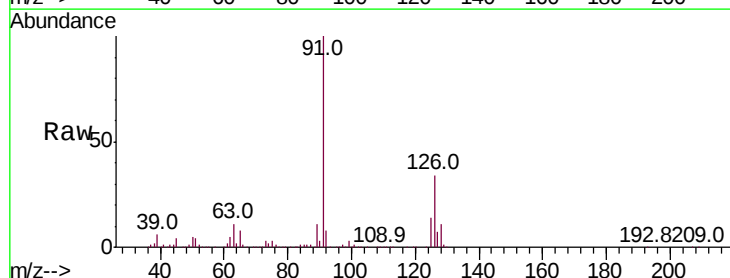
Acq: 07 Oct 2019 10:04

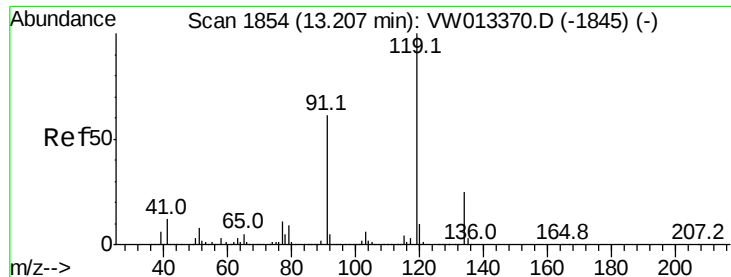
Tgt Ion: 91 Resp: 575934

Ion Ratio Lower Upper

91 100

126 34.5 17.3 51.7





#83

tert-Butylbenzene

Concen: 55.809 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

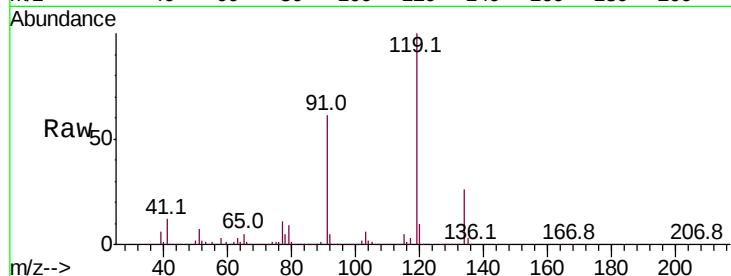
Tot Ion:119 Resp: 632920

Ion Ratio Lower Upper

119 100

91 60.7 30.7 92.1

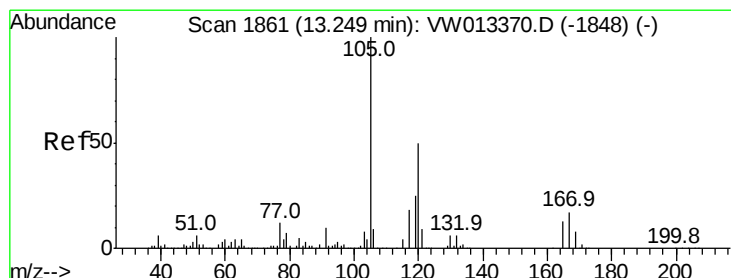
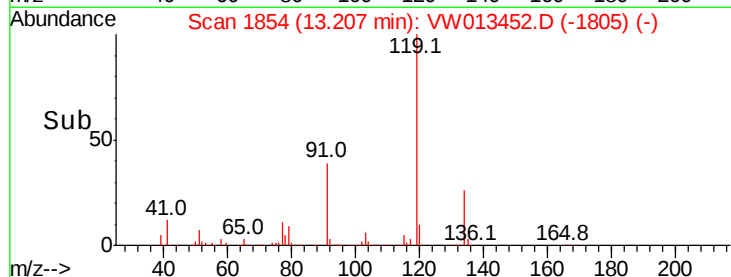
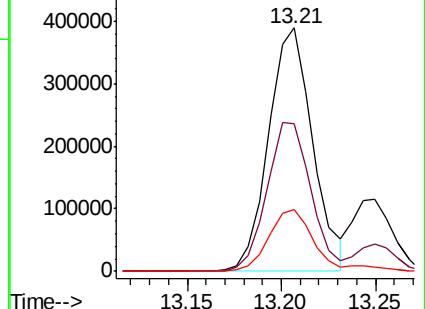
134 26.9 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.656 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW013452.D

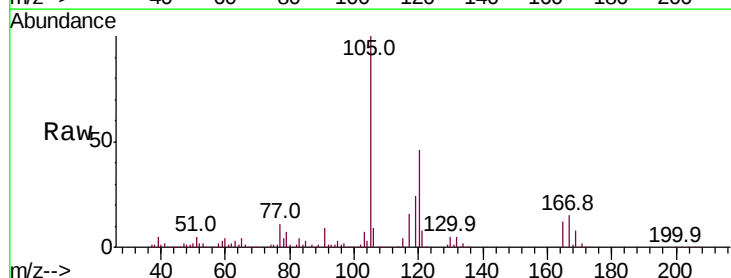
Acq: 07 Oct 2019 10:04

Tgt Ion:105 Resp: 705462

Ion Ratio Lower Upper

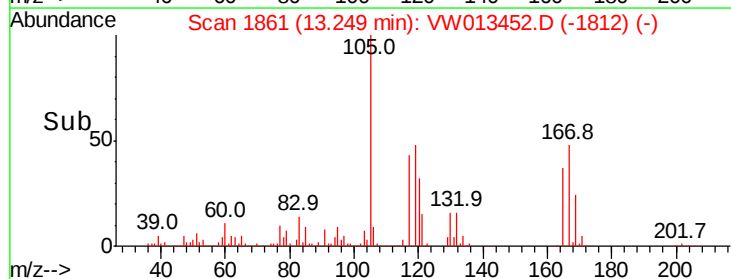
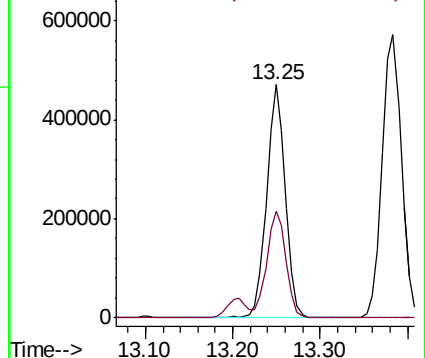
105 100

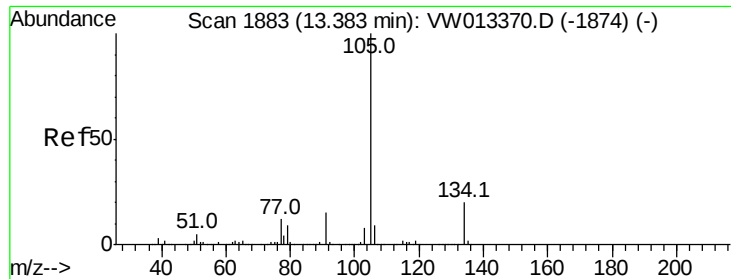
120 46.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.642 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

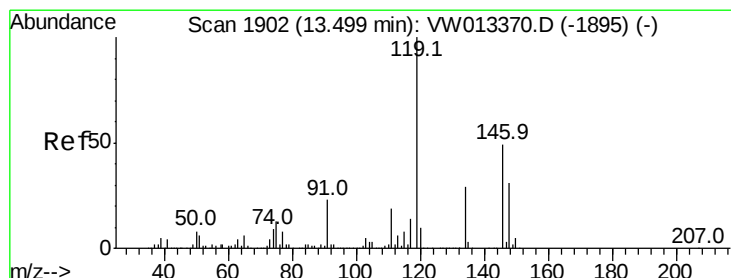
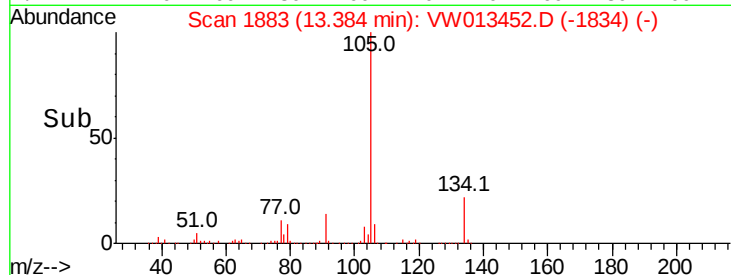
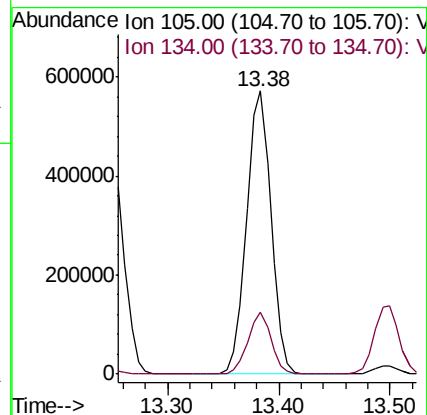
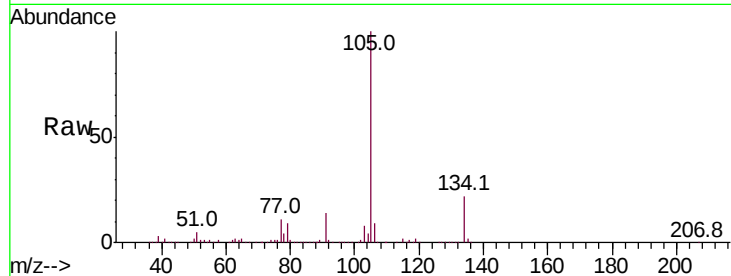
VSTDCCC050

Tot Ion:105 Resp: 870010

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.8



#86

p-Isopropyltoluene

Concen: 55.404 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

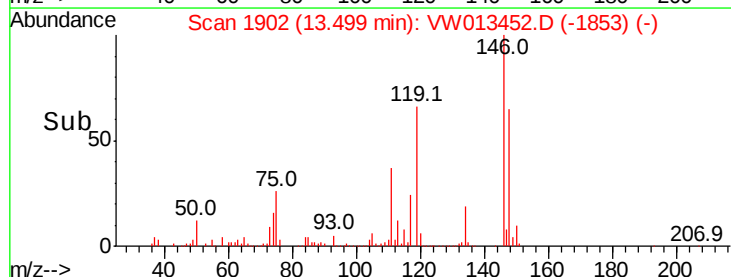
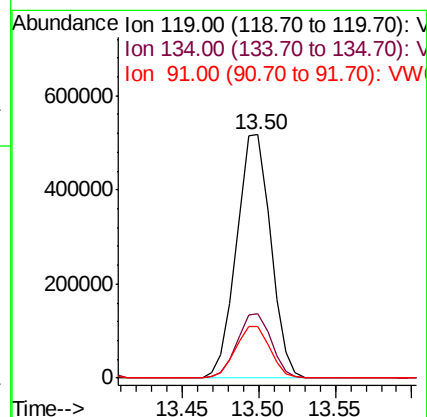
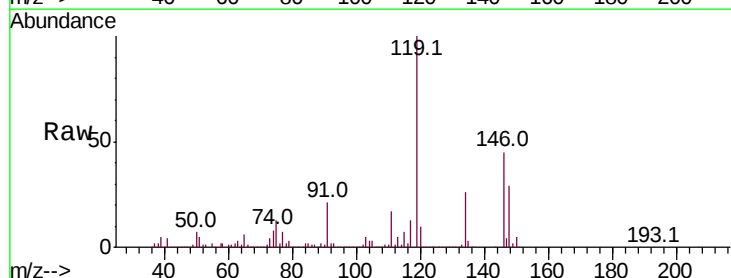
Tgt Ion:119 Resp: 802842

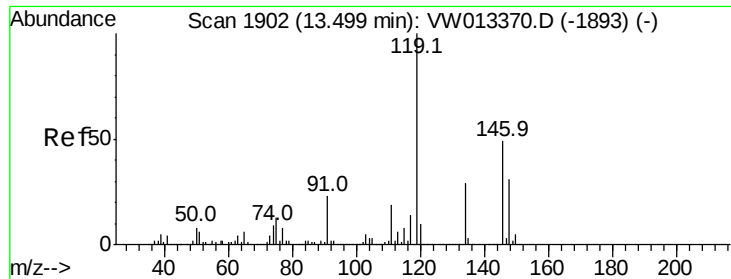
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 21.4 10.8 32.4

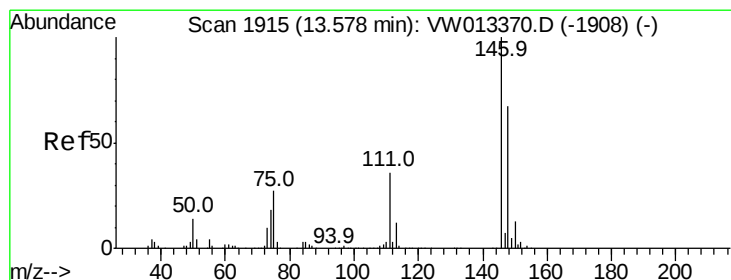
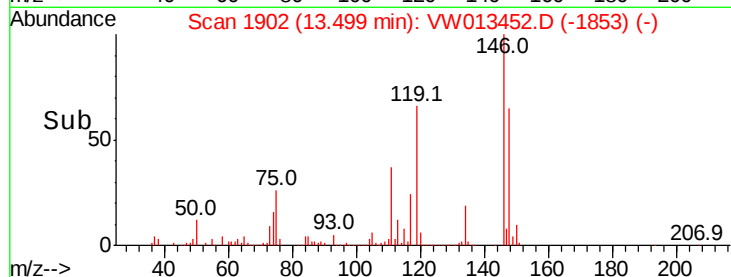
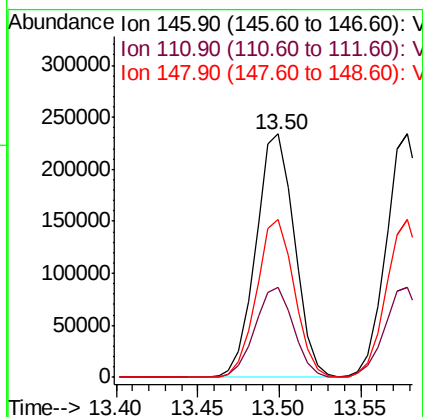
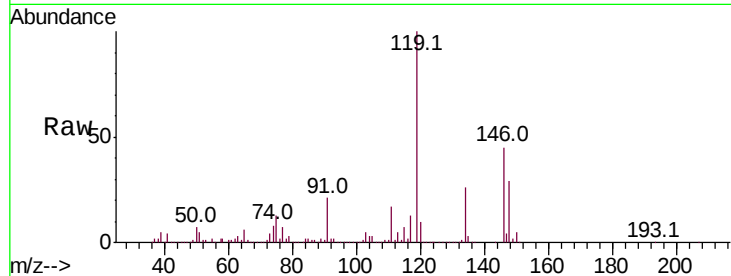




#87
 1,3-Dichlorobenzene
 Concen: 54.493 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

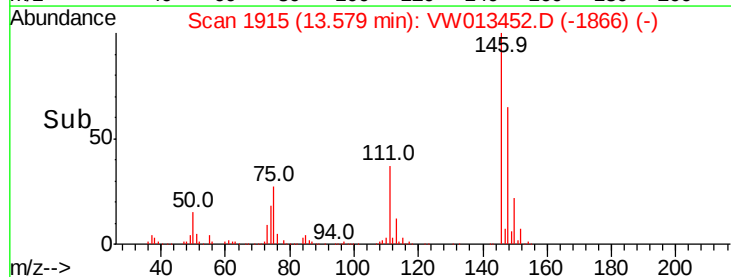
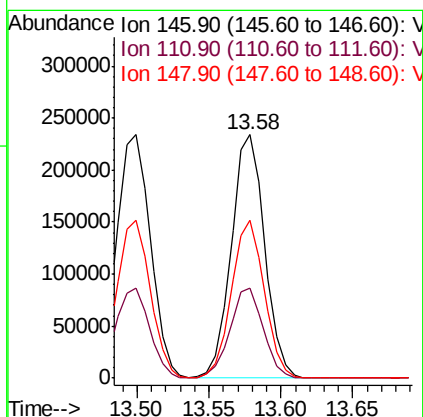
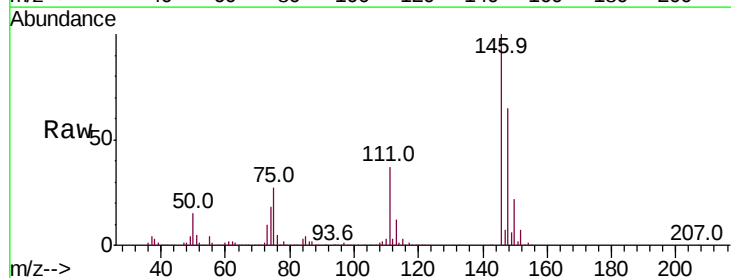
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

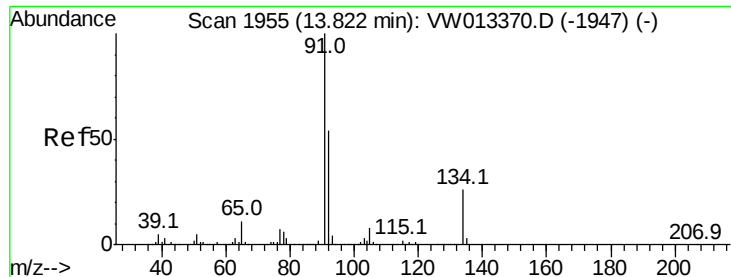
Tot Ion:146 Resp: 384766
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.9 56.9
 148 63.6 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 53.362 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

Tgt Ion:146 Resp: 377253
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.4 55.0
 148 64.0 32.1 96.3

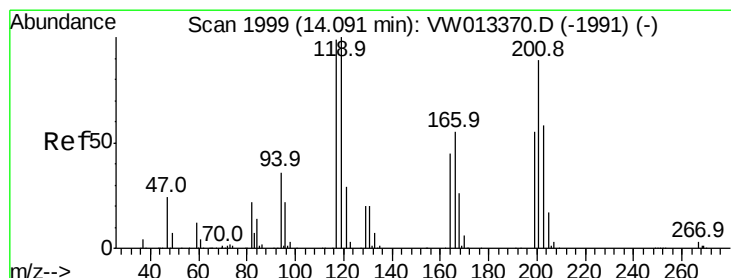
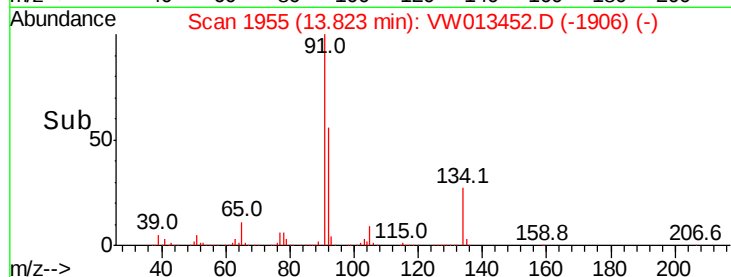
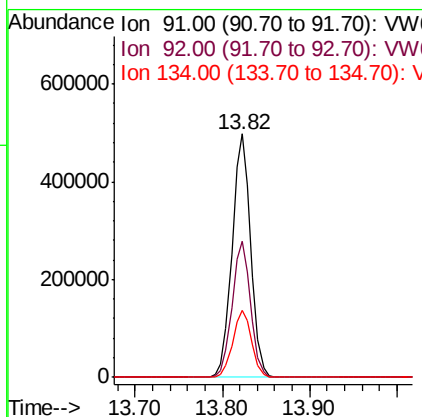
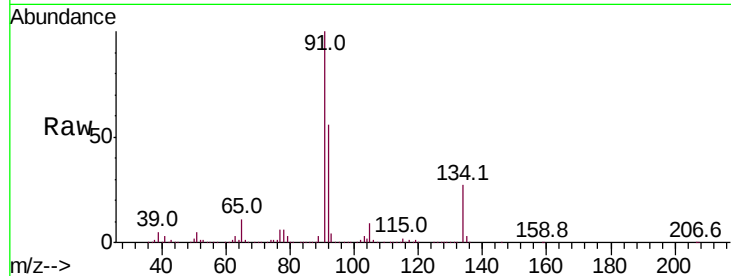




#89
n-Butylbenzene
Concen: 56.344 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

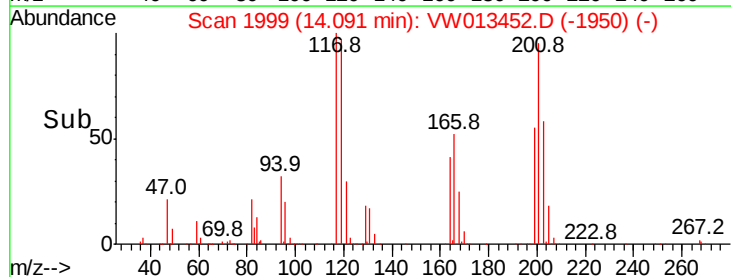
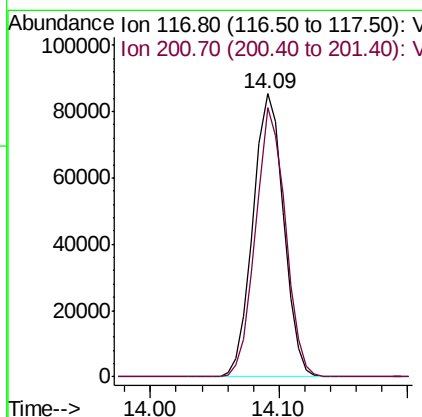
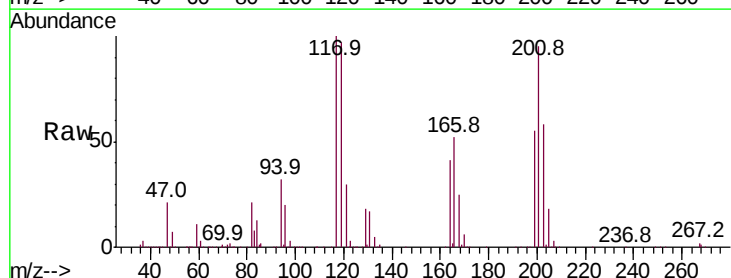
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

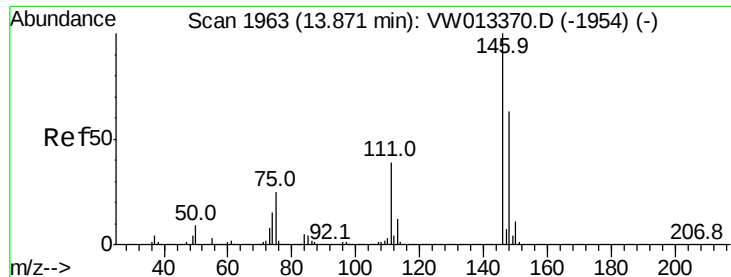
Tot Ion: 91 Resp: 736088
Ion Ratio Lower Upper
91 100
92 55.6 27.6 82.8
134 27.8 13.7 41.1



#90
Hexachloroethane
Concen: 58.609 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013452.D
Acq: 07 Oct 2019 10:04

Tgt Ion: 117 Resp: 140312
Ion Ratio Lower Upper
117 100
201 92.2 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 54.258 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

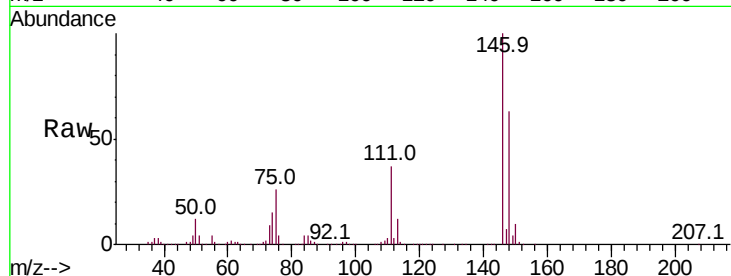
Tot Ion:146 Resp: 338671

Ion Ratio Lower Upper

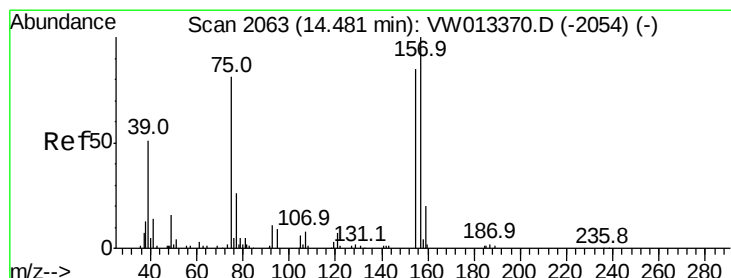
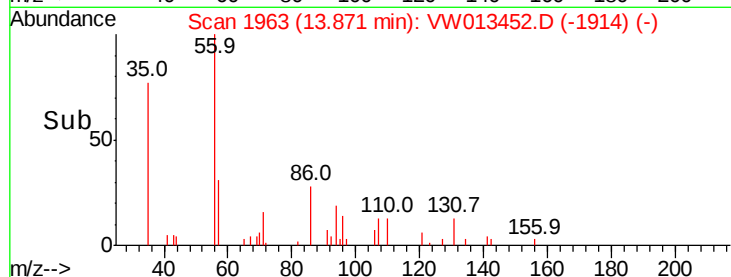
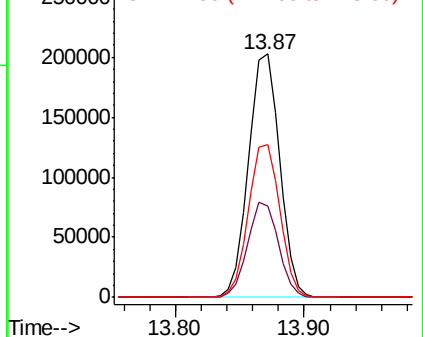
146 100

111 38.6 20.1 60.3

148 63.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.122 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

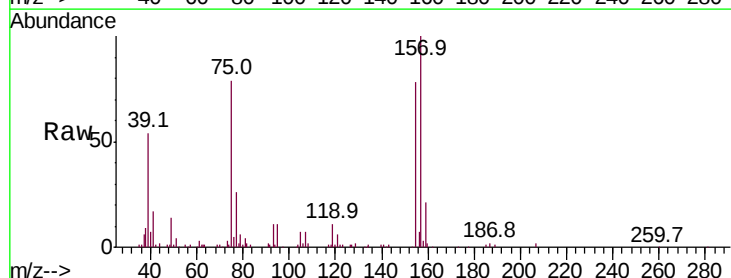
Tgt Ion: 75 Resp: 21812

Ion Ratio Lower Upper

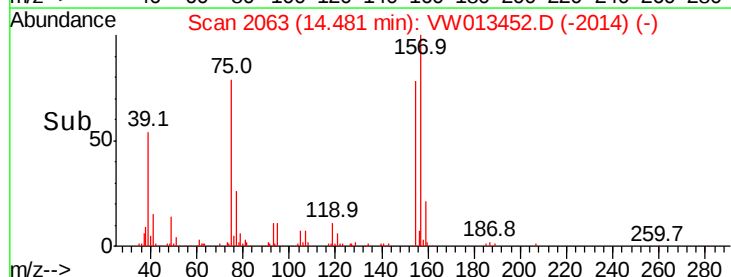
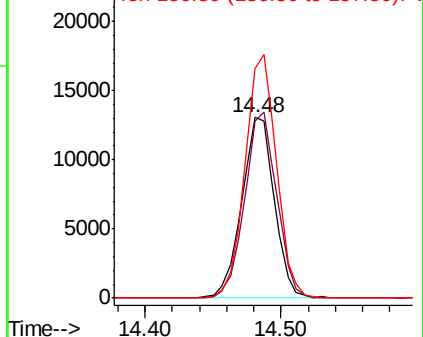
75 100

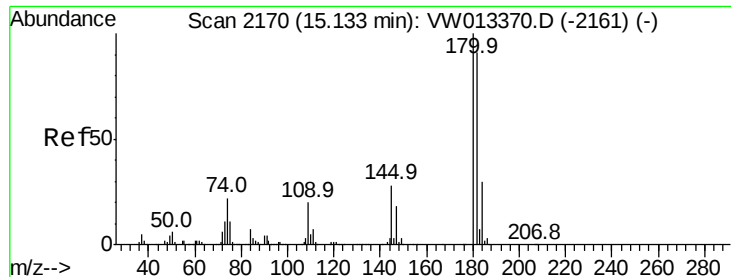
155 101.3 46.1 138.3

157 130.6 60.4 181.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

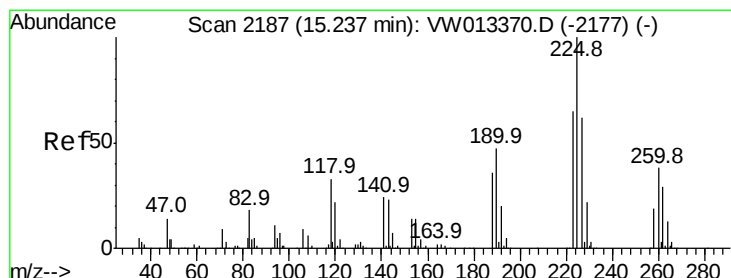
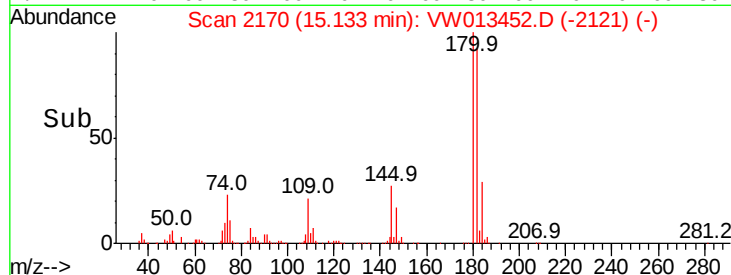
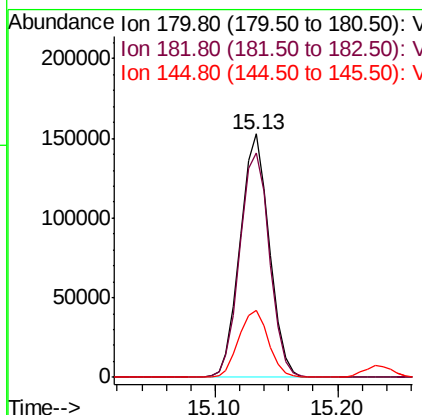
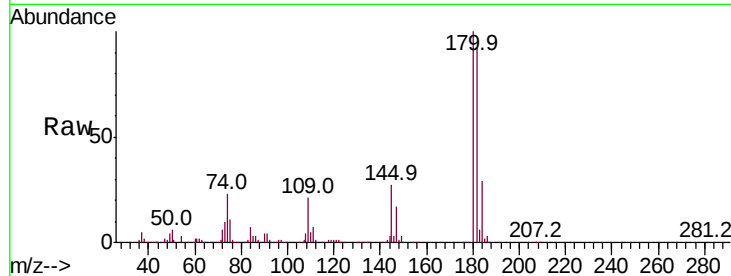




#93
 1,2,4-Trichlorobenzene
 Concen: 56.267 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

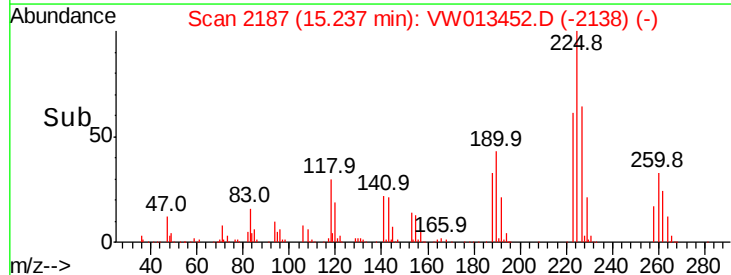
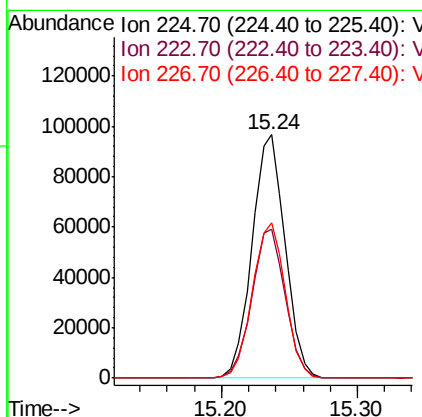
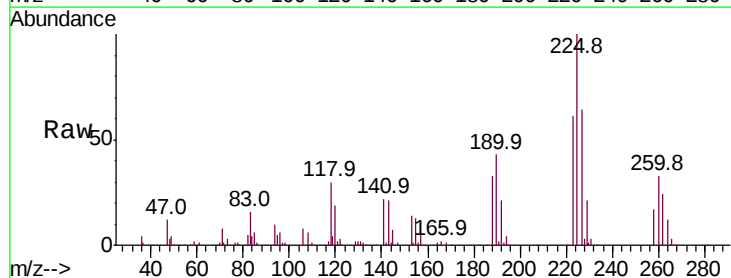
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

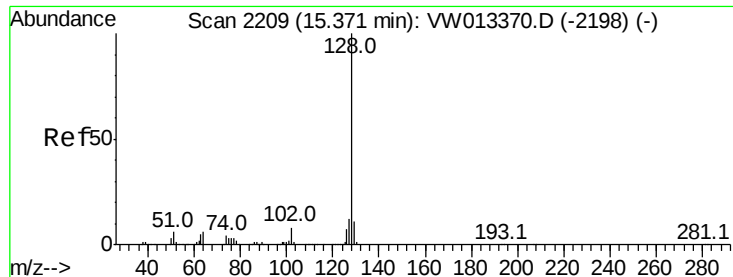
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	142.0
145	28.0	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 56.467 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013452.D
 Acq: 07 Oct 2019 10:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.6	91.8
227	63.7	31.9	95.9





#95

Naphthalene

Concen: 57.517 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

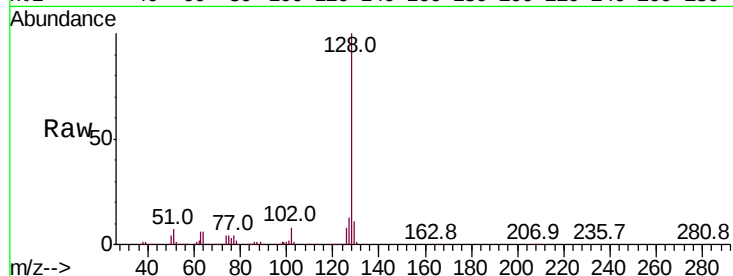
Tot Ion:128 Resp: 434624

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

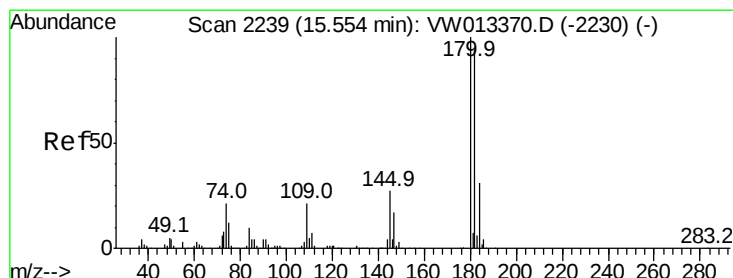
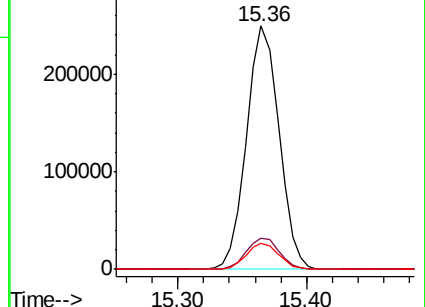
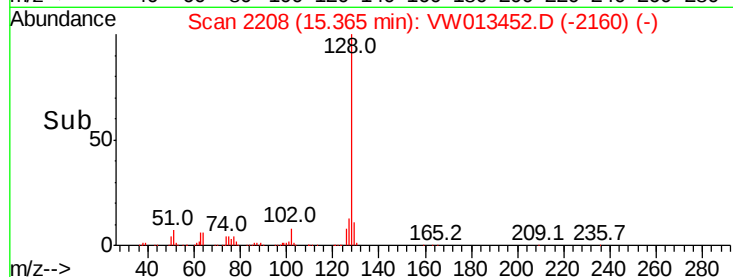
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.392 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013452.D

Acq: 07 Oct 2019 10:04

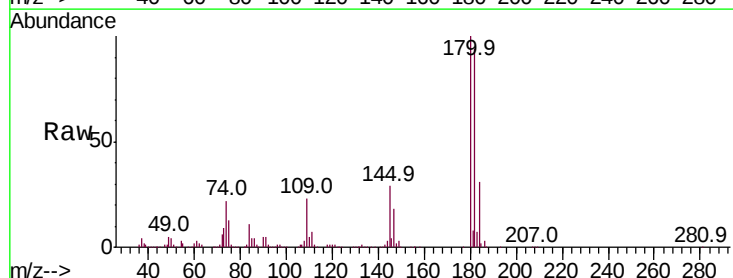
Tgt Ion:180 Resp: 216640

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 30.5 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

