

Data File : VW010581.D
Acq On : 29 May 2019 10:26
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: May 30 07:08:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	141817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	233727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	207522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	69451	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	7.88	113	75518	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.32	98	291640	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.62	95	108913	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64260	50.866	ug/l	99
3) Chloromethane	2.21	50	66173	44.410	ug/l	100
4) Vinyl Chloride	2.36	62	74840	43.362	ug/l	99
5) Bromomethane	2.76	94	54834	46.182	ug/l	99
6) Chloroethane	2.91	64	51357	46.353	ug/l	98
7) Trichlorofluoromethane	3.25	101	142601	55.963	ug/l	98
8) Diethyl Ether	3.68	74	40095	49.639	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89575	57.082	ug/l	98
10) Methyl Iodide	4.27	142	90236	50.309	ug/l	98
11) Tert butyl alcohol	5.18	59	31995	242.999	ug/l	95
12) 1,1-Dichloroethene	4.03	96	82361	54.982	ug/l	98
13) Acrolein	3.90	56	19526	254.948	ug/l	97
14) Allyl chloride	4.67	41	114118	52.630	ug/l	99
15) Acrylonitrile	5.37	53	76308	225.577	ug/l	99
16) Acetone	4.12	43	86321	288.899	ug/l	99
17) Carbon Disulfide	4.37	76	229078	51.271	ug/l	100
18) Methyl Acetate	4.67	43	32079	43.898	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	190287	49.829	ug/l	97
20) Methylene Chloride	4.91	84	82078	46.457	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	95548	55.609	ug/l	98
22) Diisopropyl ether	6.31	45	228804	51.463	ug/l	97
23) Vinyl Acetate	6.25	43	661530	249.089	ug/l	100
24) 1,1-Dichloroethane	6.21	63	145076	54.680	ug/l	98
25) 2-Butanone	7.17	43	110589	258.627	ug/l	98
26) 2,2-Dichloropropane	7.16	77	146489	57.963	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	103285	55.292	ug/l	99
28) Bromochloromethane	7.51	49	47429	49.929	ug/l	90
29) Tetrahydrofuran	7.53	42	62282	215.250	ug/l	97
30) Chloroform	7.68	83	159222	55.637	ug/l	100
31) Cyclohexane	7.95	56	141526	50.923	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	151420	55.358	ug/l	98
36) 1,1-Dichloropropene	8.08	75	126697	58.190	ug/l	100
37) Ethyl Acetate	7.25	43	44738	48.319	ug/l	99
38) Carbon Tetrachloride	8.07	117	140789	59.943	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170542	58.464	ug/l	99
40) Benzene	8.32	78	351749	58.125	ug/l	100
41) Methacrylonitrile	7.48	41	26031	47.317	ug/l	99
42) 1,2-Dichloroethane	8.40	62	95988	55.497	ug/l	99
43) Isopropyl Acetate	8.43	43	88071	47.613	ug/l	98
44) Trichloroethene	9.09	130	107099	59.612	ug/l	99
45) 1,2-Dichloropropane	9.37	63	80447	55.973	ug/l	100
46) Dibromomethane	9.46	93	46323	55.111	ug/l	96
47) Bromodichloromethane	9.65	83	120157	56.886	ug/l	97
48) Methyl methacrylate	9.43	41	40510	47.872	ug/l	95
49) 1,4-Dioxane	9.46	88	12440	906.002	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	221515	236.335	ug/l	100
52) Toluene	10.39	92	236879	58.285	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	117938	55.131	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	138620	56.739	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	67009	55.439	ug/l	98
56) Ethyl methacrylate	10.65	69	83014	49.798	ug/l	99
57) 1,3-Dichloropropane	10.93	76	110918	54.784	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	155388	210.450	ug/l	97
59) 2-Hexanone	10.97	43	169091	252.897	ug/l	99
60) Dibromochloromethane	11.13	129	87332	57.090	ug/l	99
61) 1,2-Dibromoethane	11.24	107	66599	54.393	ug/l	98
64) Tetrachloroethene	10.86	164	87778	60.678	ug/l	97
65) Chlorobenzene	11.66	112	259545	58.684	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	94101	59.394	ug/l	99
67) Ethyl Benzene	11.73	91	451230	57.786	ug/l	99
68) m/p-Xylenes	11.84	106	353570	115.441	ug/l	100
69) o-Xylene	12.16	106	167554	57.741	ug/l	98
70) Styrene	12.18	104	280147	56.899	ug/l	99
71) Bromoform	12.35	173	47790	54.776	ug/l #	100
73) Isopropylbenzene	12.46	105	462083	58.561	ug/l	100
74) N-amyl acetate	12.27	43	82467	45.608	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	71018	49.483	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	92609	91.752	ug/l	33
77) Bromobenzene	12.75	156	105434	59.710	ug/l	95
78) n-propylbenzene	12.80	91	526461	57.252	ug/l	99
79) 2-Chlorotoluene	12.90	91	302807	56.784	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	380200	56.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	23196	47.963	ug/l	98
82) 4-Chlorotoluene	12.99	91	310176	56.038	ug/l	98
83) tert-Butylbenzene	13.21	119	348431	59.689	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	372667	55.990	ug/l	99
85) sec-Butylbenzene	13.38	105	467711	57.253	ug/l	99
86) p-Isopropyltoluene	13.50	119	422994	57.206	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	202560	58.471	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	201441	57.955	ug/l	99
89) n-Butylbenzene	13.83	91	391927	55.725	ug/l	99
90) Hexachloroethane	14.10	117	84538	59.067	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	181526	57.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12154	45.544	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW052919\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	122943	57.244	ug/l	99
94) Hexachlorobutadiene	15.24	225	69843	60.874	ug/l	98
95) Naphthalene	15.37	128	221543	49.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	103728	56.130	ug/l	100

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

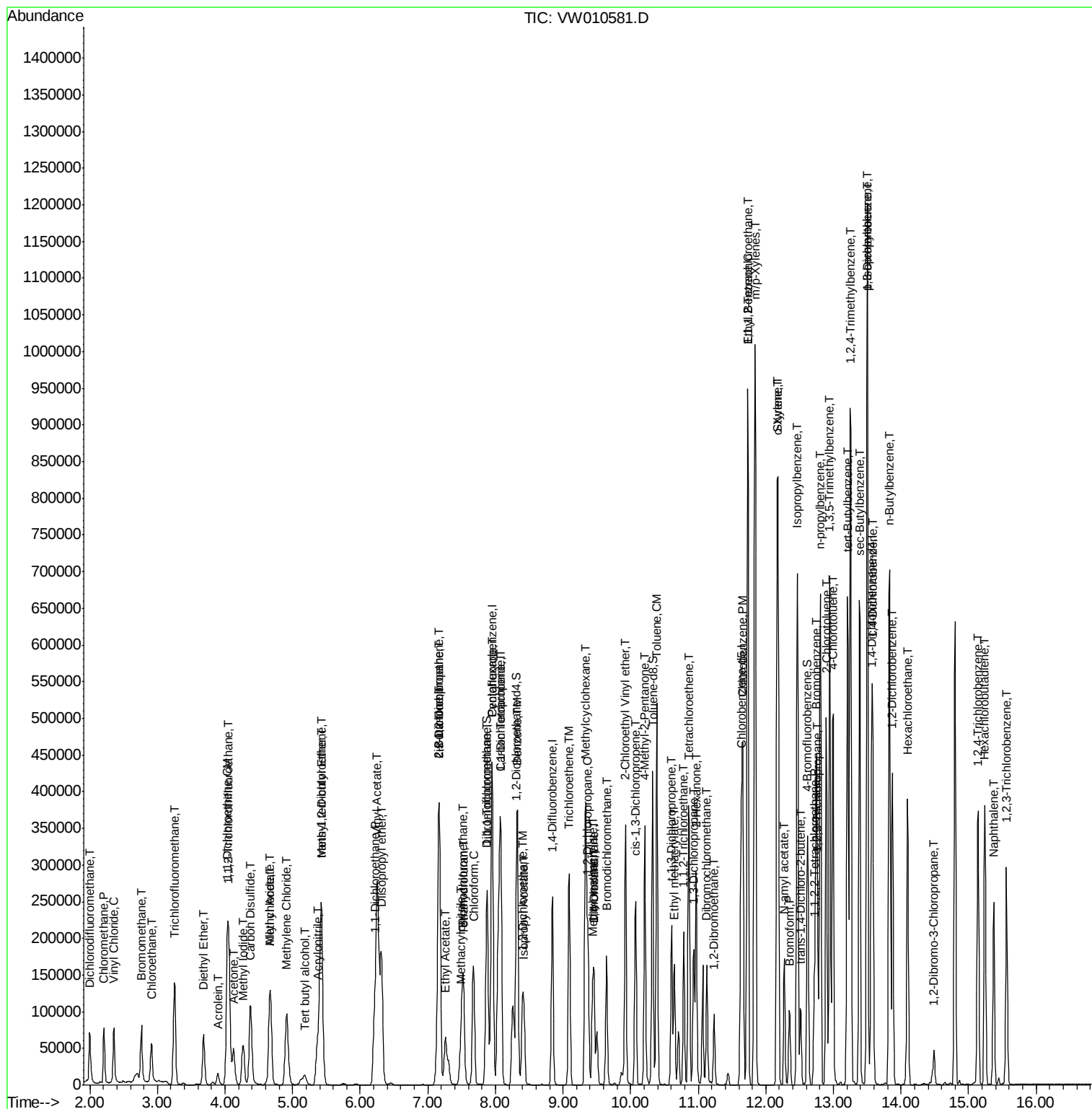
Quant Time: May 30 07:08:58 2019

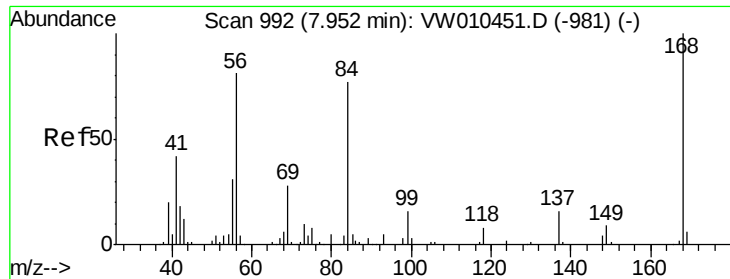
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W052019S.M

Quant Title : SW846 8260

QLast Update : Tue May 21 06:38:43 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

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Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

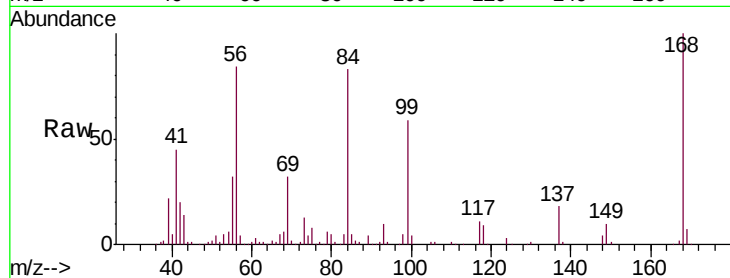
VSTDCCC050

Tgt Ion:168 Resp: 141817

Ion Ratio Lower Upper

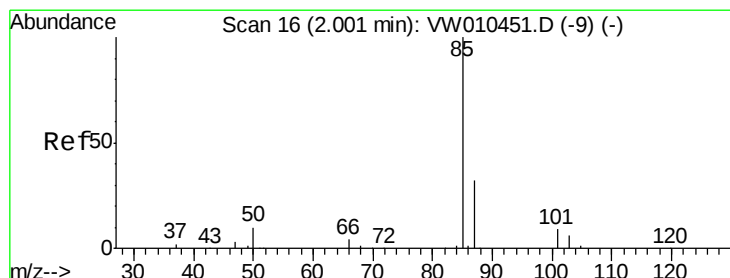
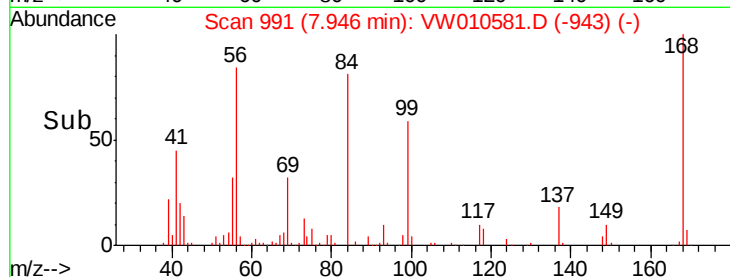
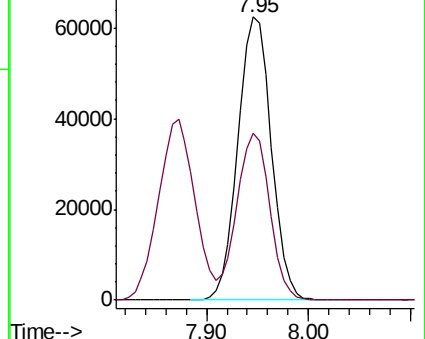
168 100

99 58.9 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.866 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010581.D

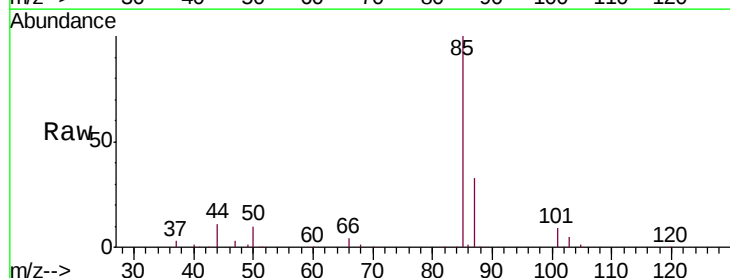
Acq: 29 May 2019 10:26

Tgt Ion: 85 Resp: 64260

Ion Ratio Lower Upper

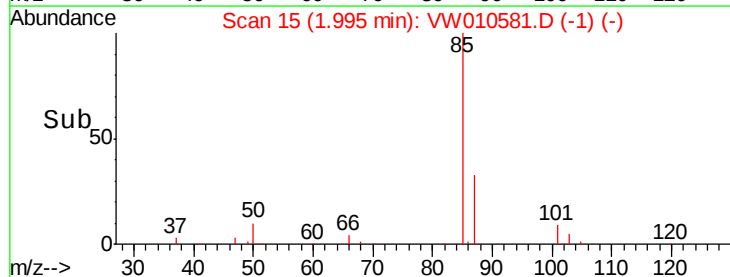
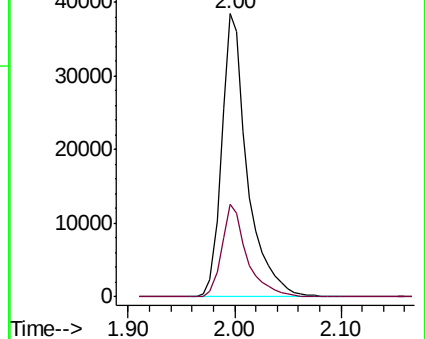
85 100

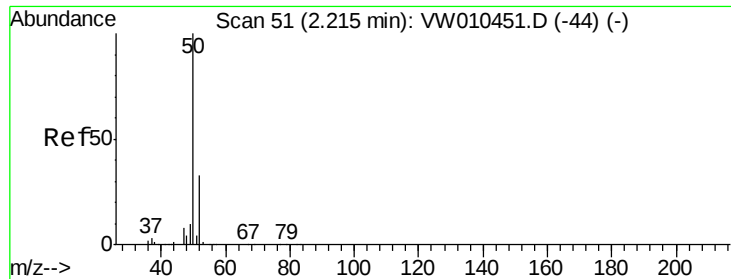
87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.410 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010581.D

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Instrument :

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ClientSampleId :

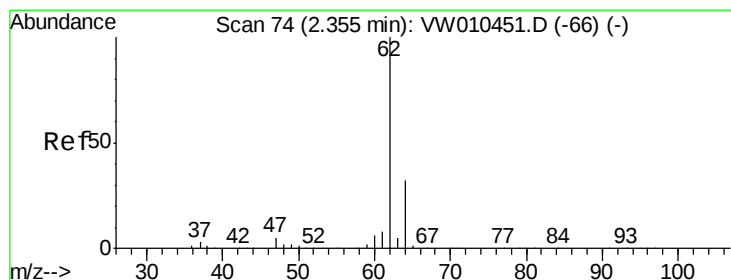
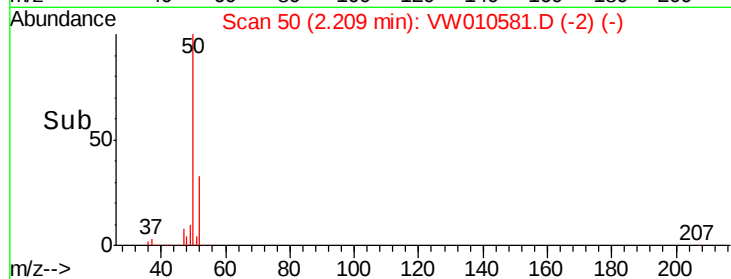
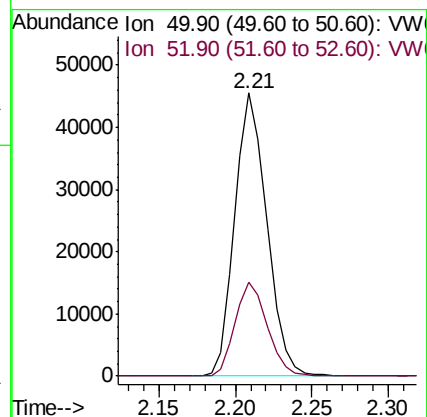
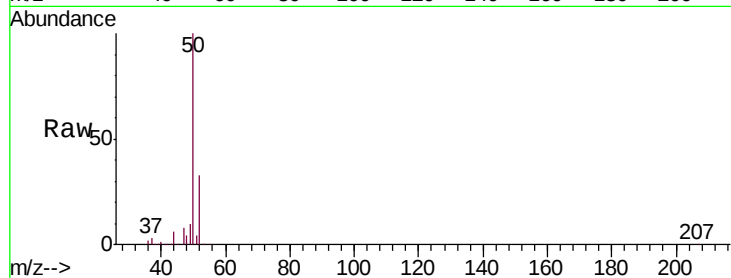
VSTDCCC050

Tgt Ion: 50 Resp: 66173

Ion Ratio Lower Upper

50 100

52 33.1 26.3 39.5



#4

Vinyl Chloride

Concen: 43.362 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010581.D

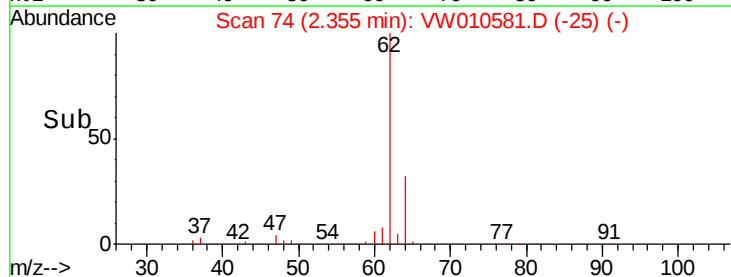
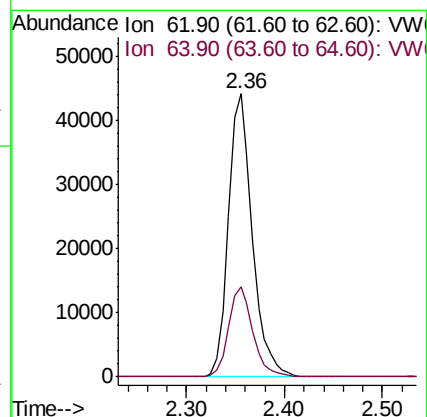
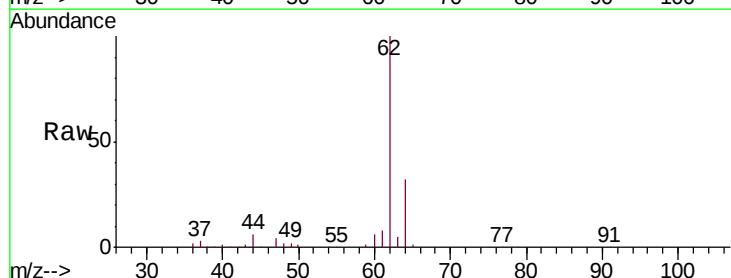
Acq: 29 May 2019 10:26

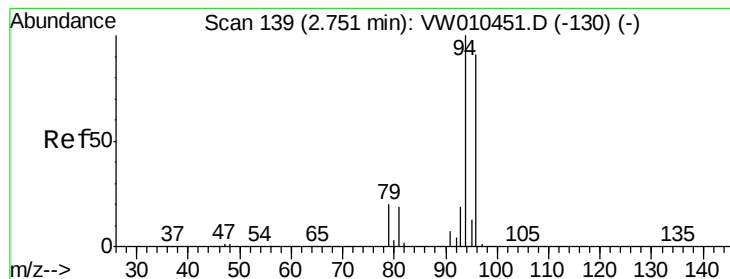
Tgt Ion: 62 Resp: 74840

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 46.182 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

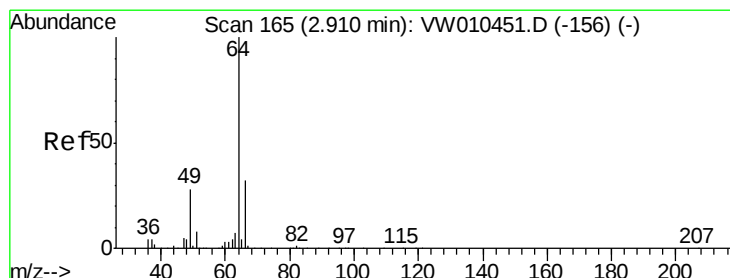
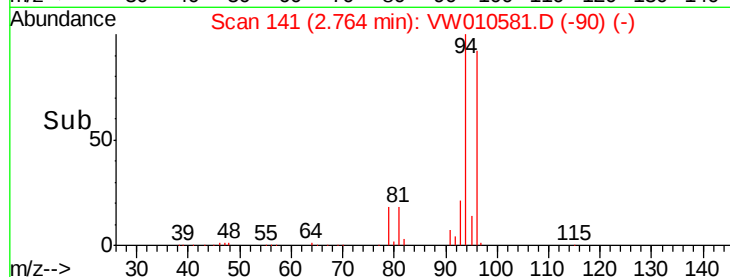
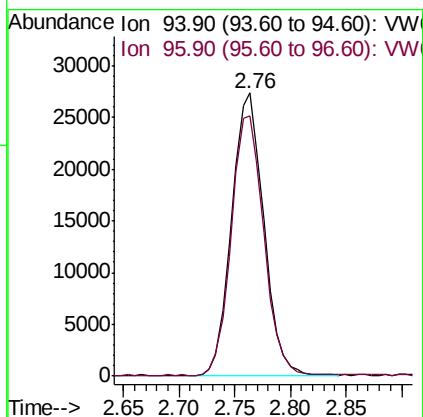
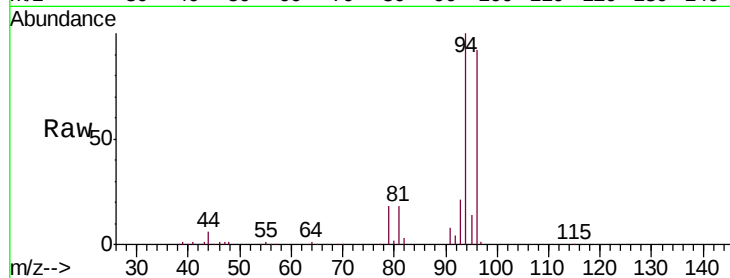
VSTDCCC050

Tgt Ion: 94 Resp: 54834

Ion Ratio Lower Upper

94 100

96 91.6 72.9 109.3



#6

Chloroethane

Concen: 46.353 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010581.D

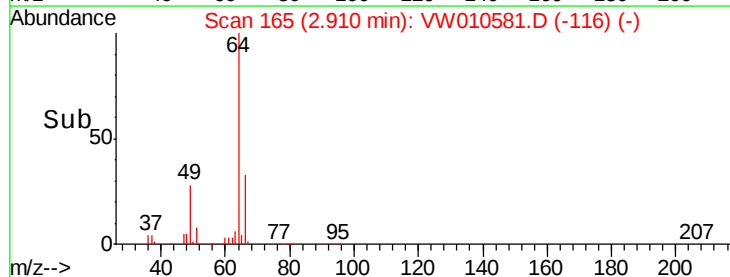
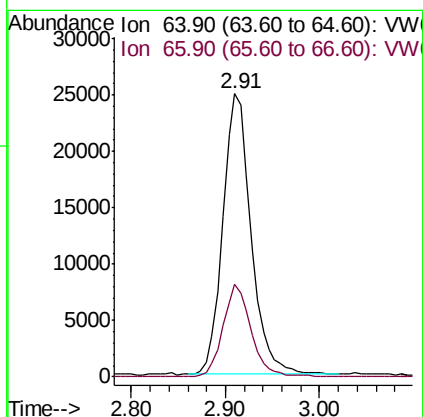
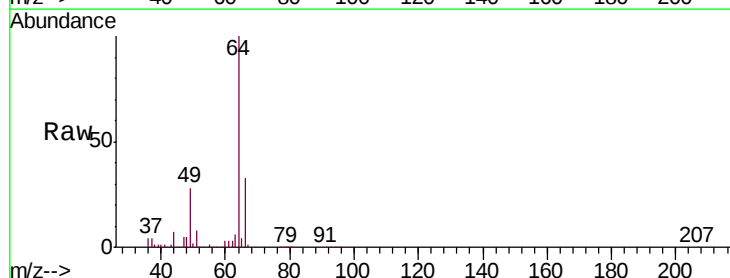
Acq: 29 May 2019 10:26

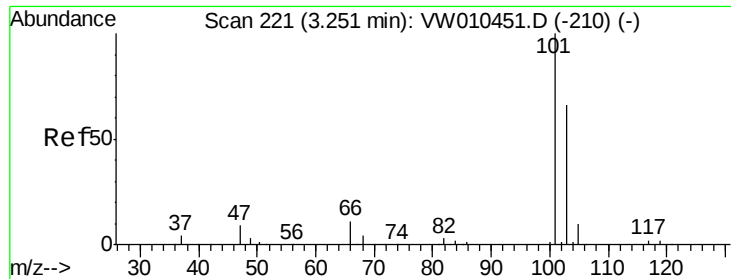
Tgt Ion: 64 Resp: 51357

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3



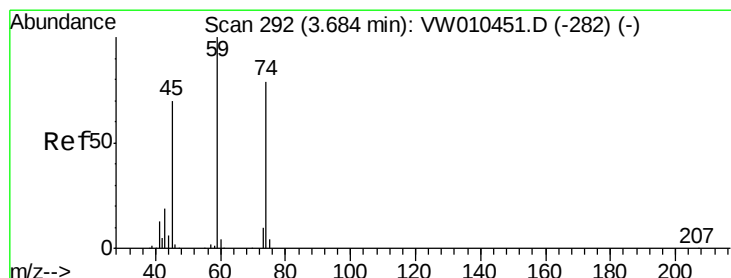
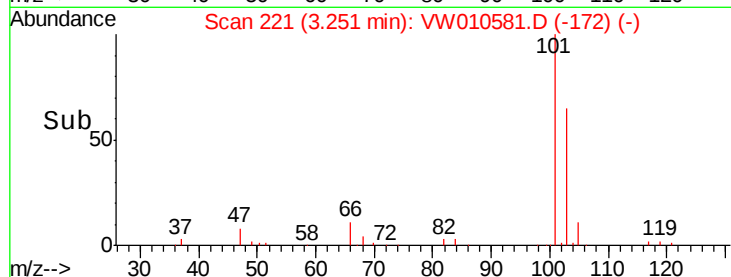
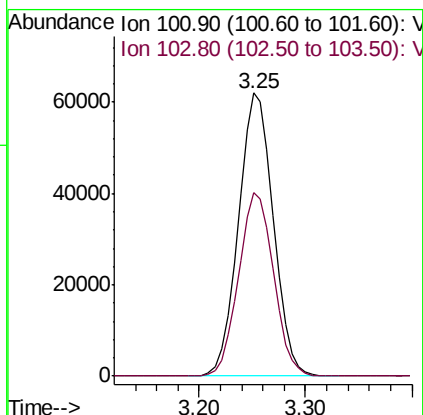
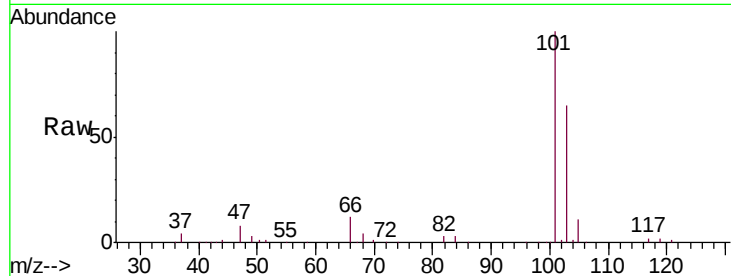


#7

Trichlorofluoromethane
 Concen: 55.963 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
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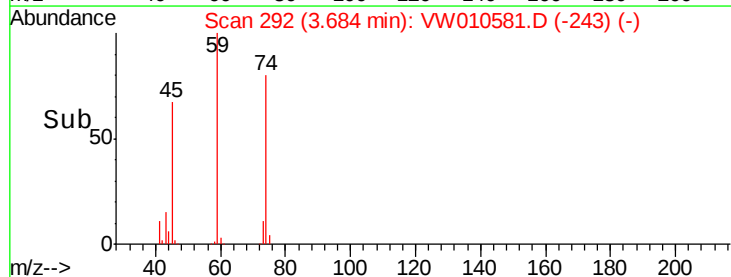
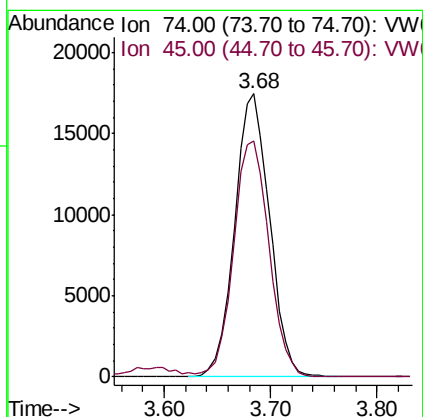
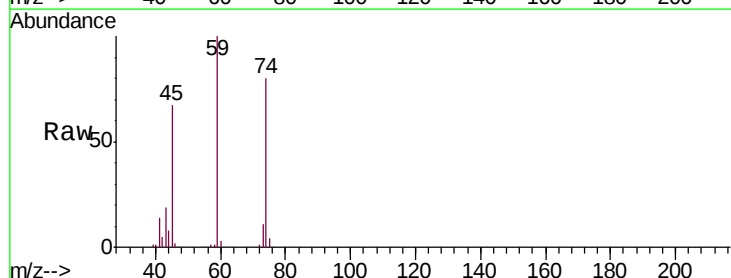
Tgt Ion:101 Resp: 142601
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.0 79.4

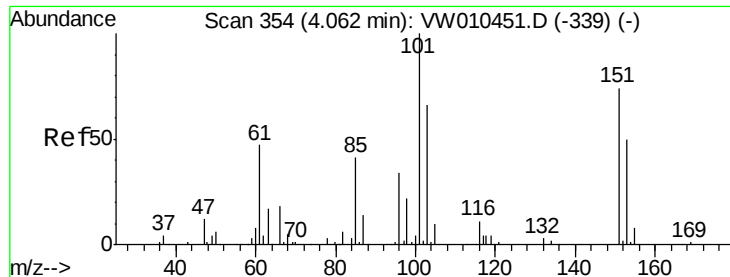


#8

Diethyl Ether
 Concen: 49.639 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion: 74 Resp: 40095
 Ion Ratio Lower Upper
 74 100
 45 85.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.082 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010581.D

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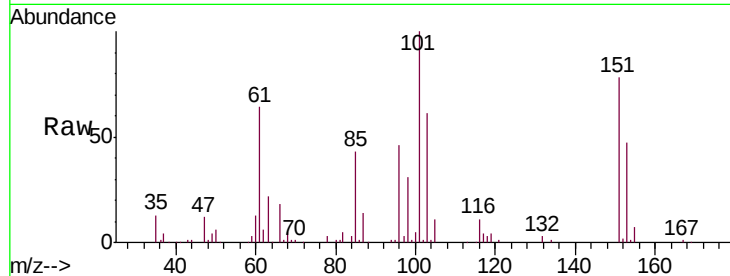
Tgt Ion:101 Resp: 89575

Ion Ratio Lower Upper

101 100

85 42.3 34.3 51.5

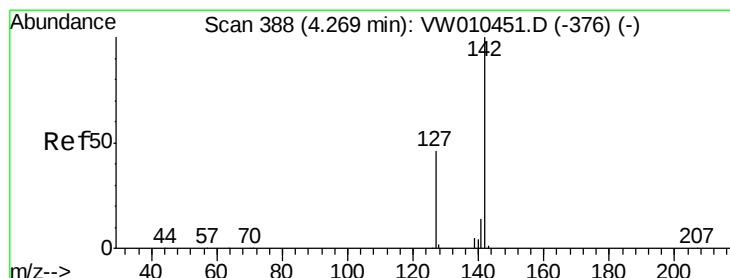
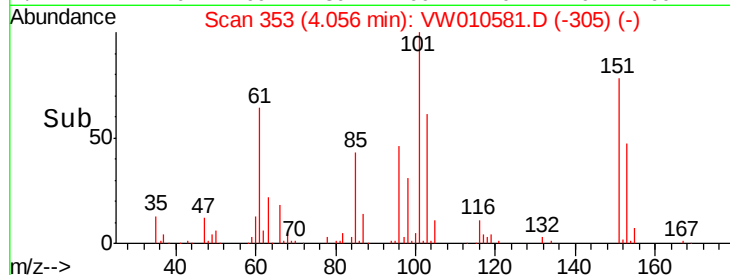
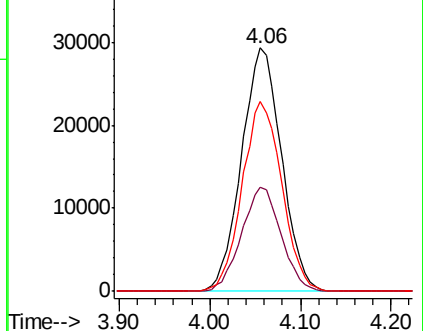
151 77.3 60.3 90.5



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: 50.309 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

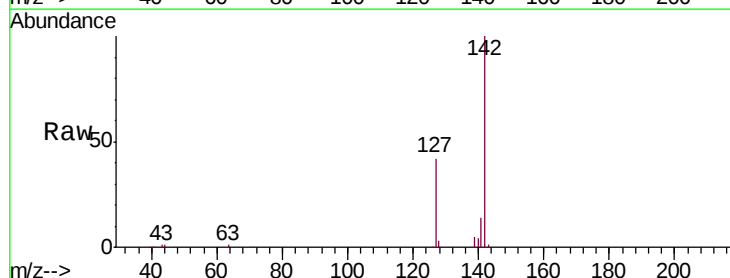
Tgt Ion:142 Resp: 90236

Ion Ratio Lower Upper

142 100

127 43.4 36.1 54.1

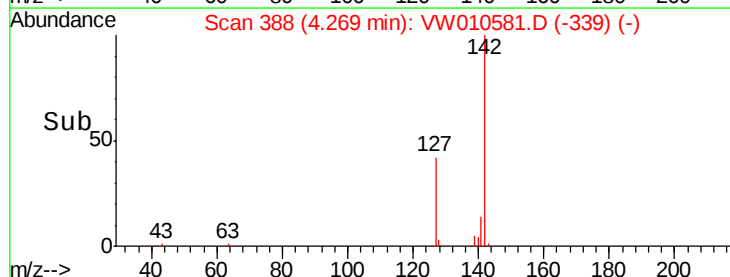
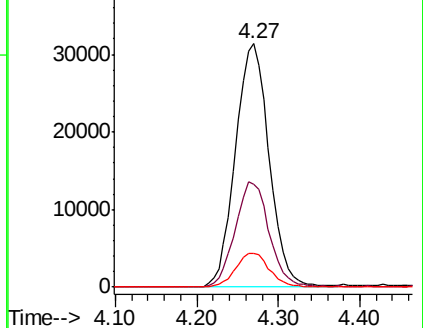
141 13.9 11.3 16.9

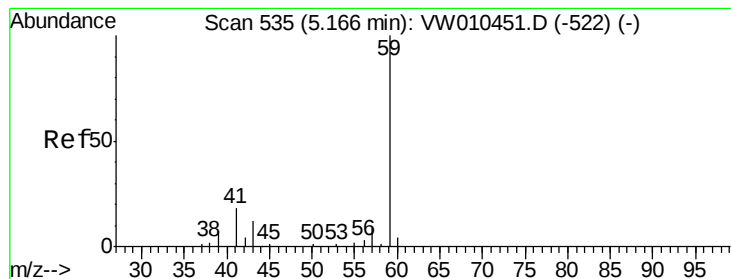


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



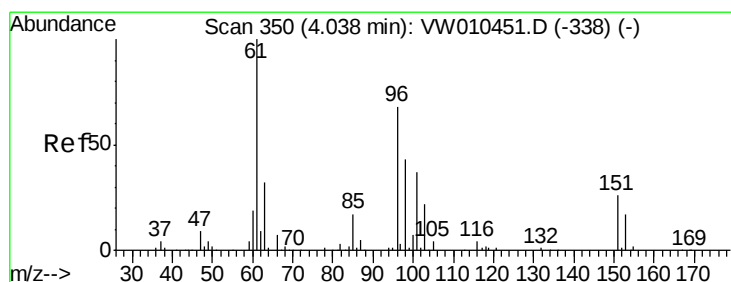
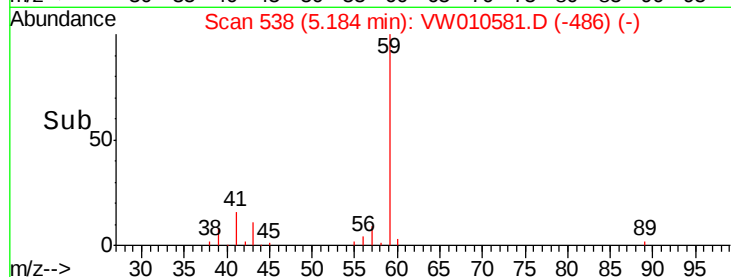
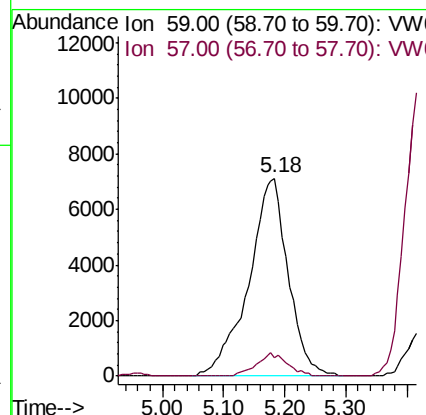
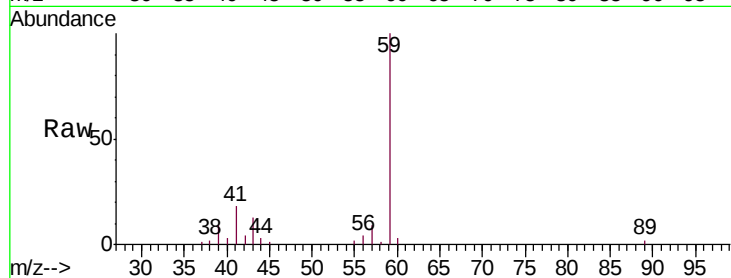


#11

Tert butyl alcohol
 Concen: 242.999 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

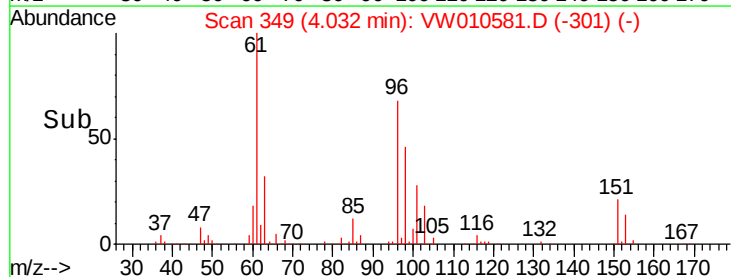
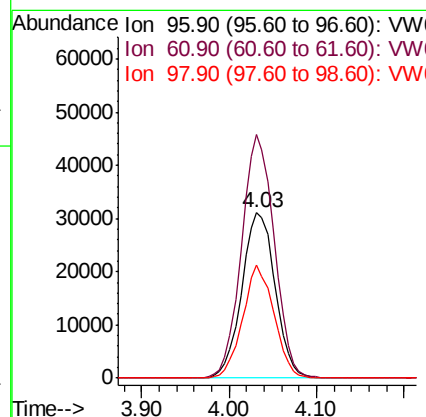
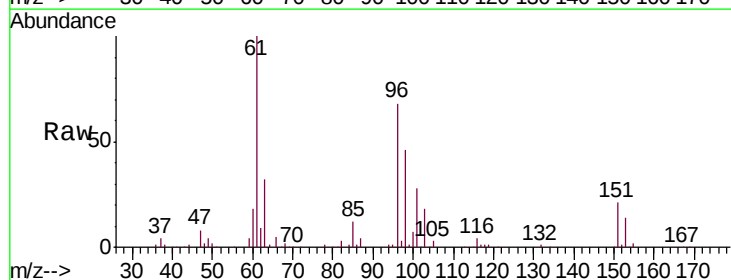
Tgt Ion: 59 Resp: 31995
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.8 13.2

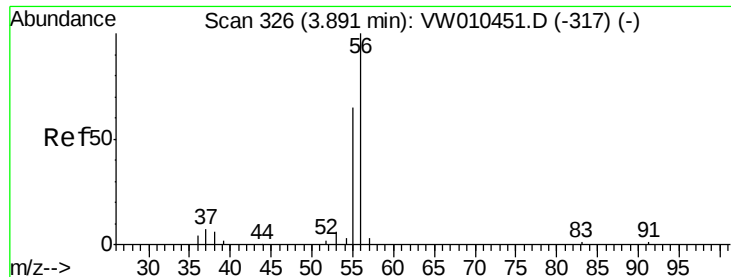


#12

1,1-Dichloroethene
 Concen: 54.982 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion: 96 Resp: 82361
 Ion Ratio Lower Upper
 96 100
 61 147.6 118.3 177.5
 98 68.6 51.0 76.6

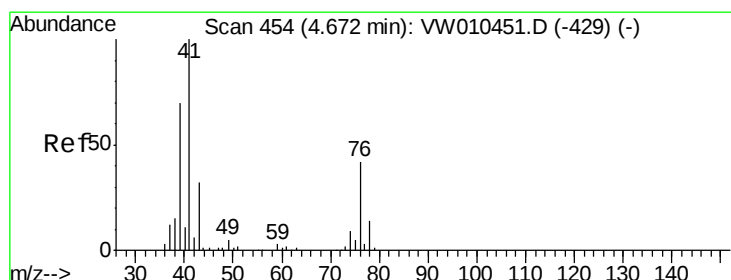
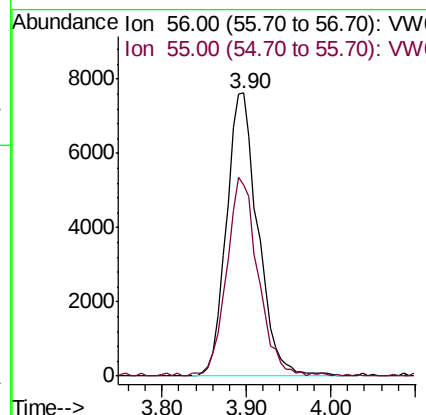
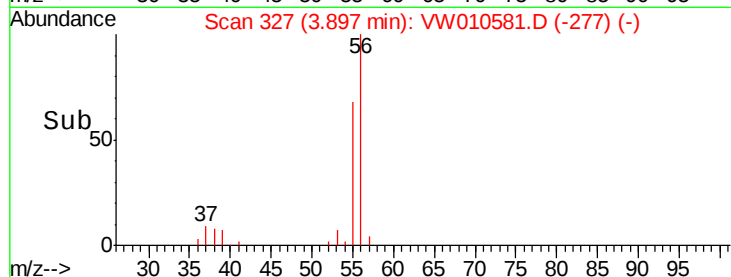
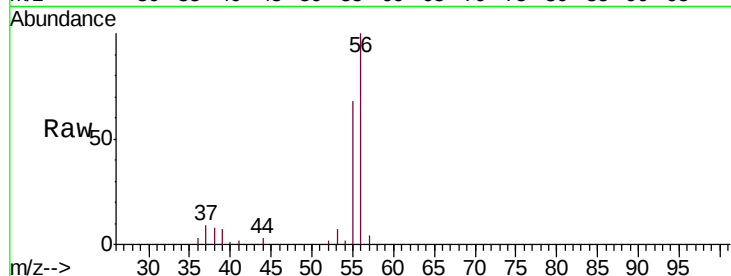




#13
 Acrolein
 Concen: 254.948 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

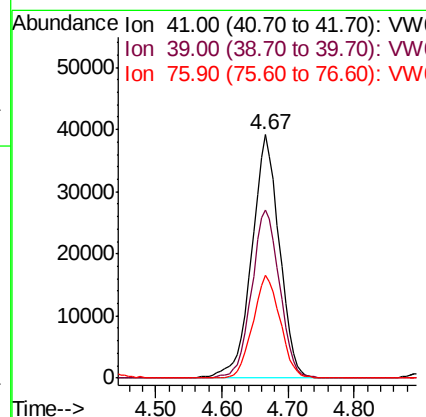
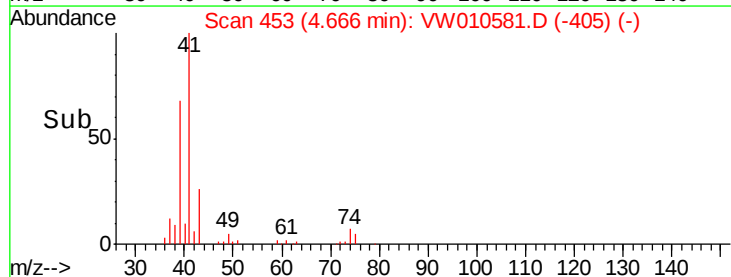
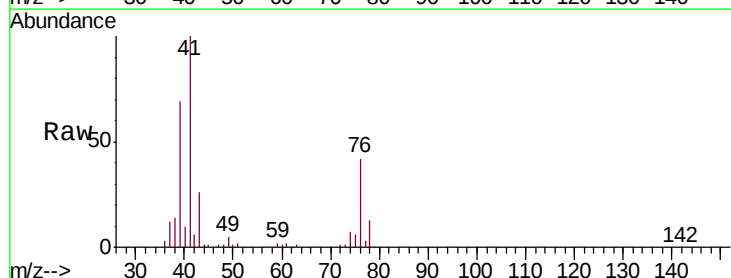
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

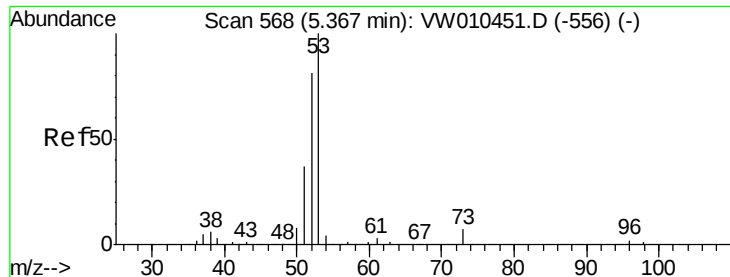
Tgt Ion: 56 Resp: 19526
 Ion Ratio Lower Upper
 56 100
 55 69.9 57.9 86.9



#14
 Allyl chloride
 Concen: 52.630 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion: 41 Resp: 114118
 Ion Ratio Lower Upper
 41 100
 39 69.8 55.0 82.4
 76 41.5 32.8 49.2





#15

Acrylonitrile

Concen: 225.577 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

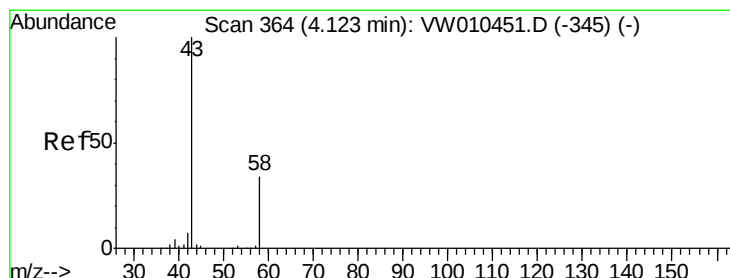
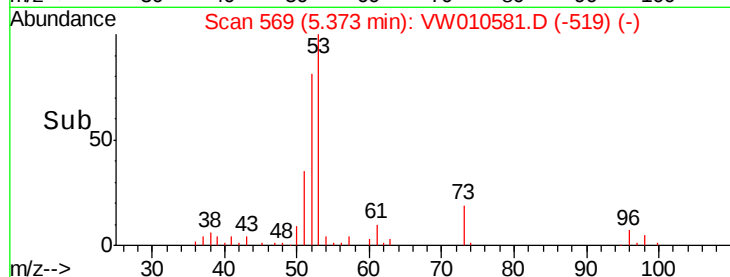
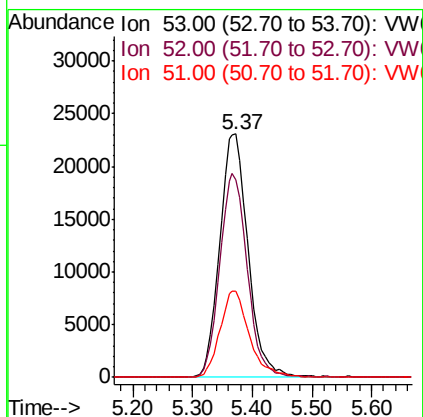
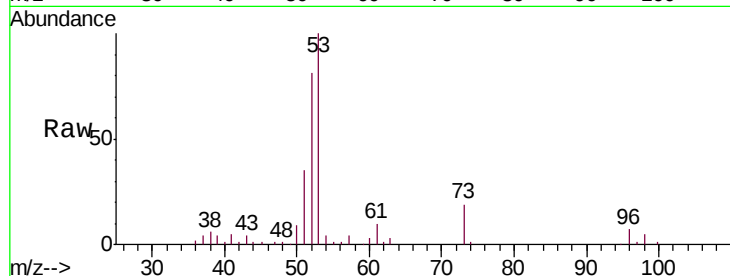
Tgt Ion: 53 Resp: 76308

Ion Ratio Lower Upper

53 100

52 81.1 65.6 98.4

51 36.7 29.5 44.3



#16

Acetone

Concen: 288.899 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010581.D

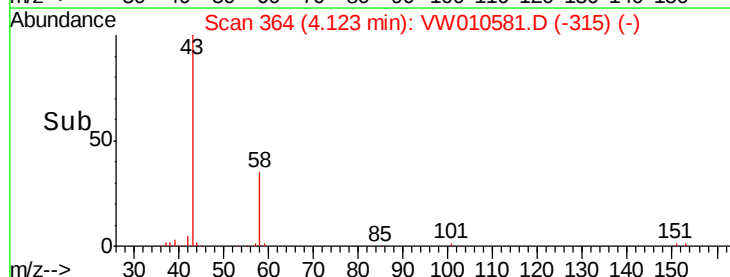
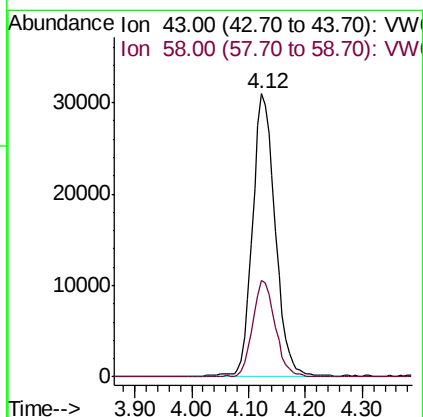
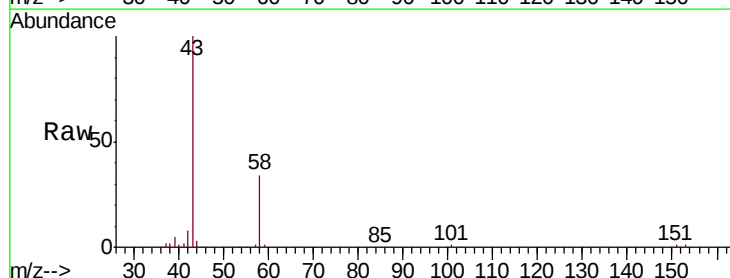
Acq: 29 May 2019 10:26

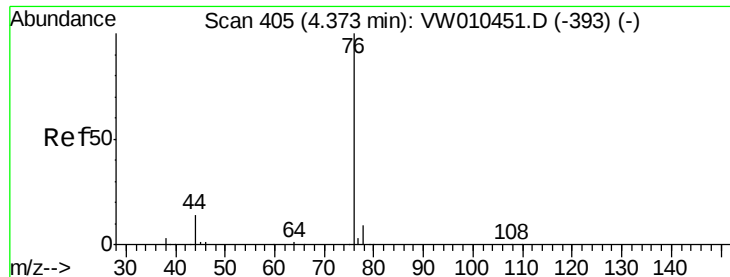
Tgt Ion: 43 Resp: 86321

Ion Ratio Lower Upper

43 100

58 34.3 27.0 40.4

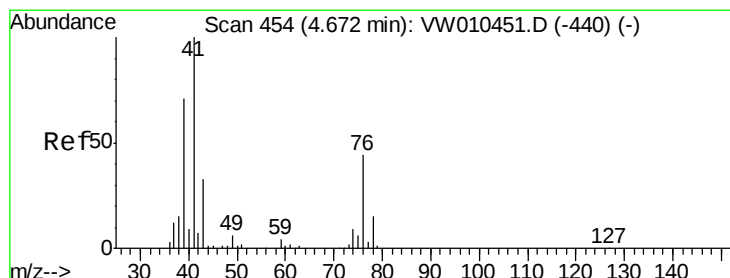
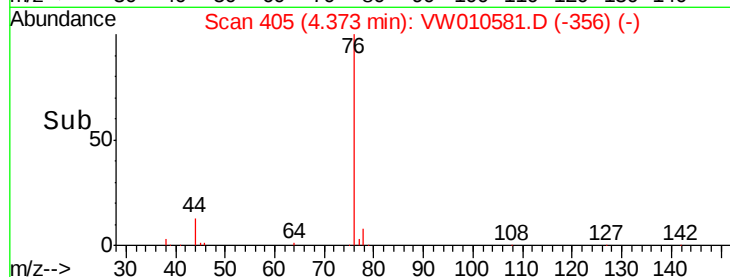
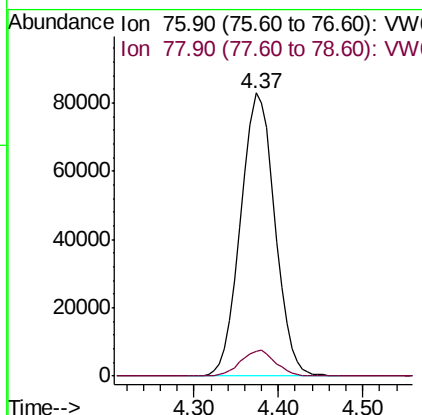
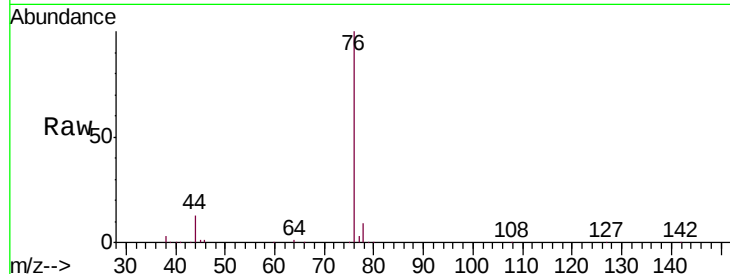




#17
Carbon Disulfide
Concen: 51.271 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

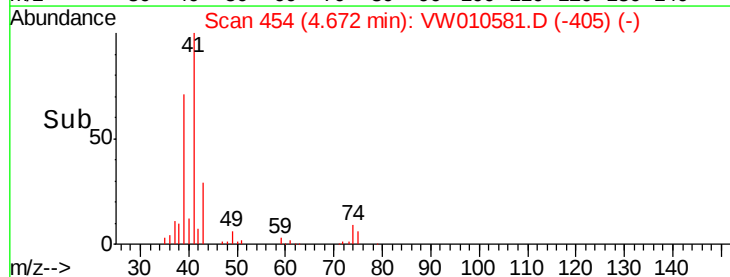
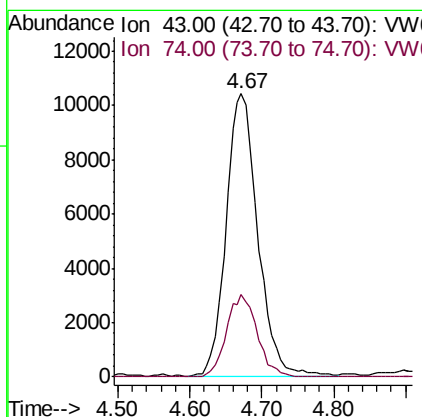
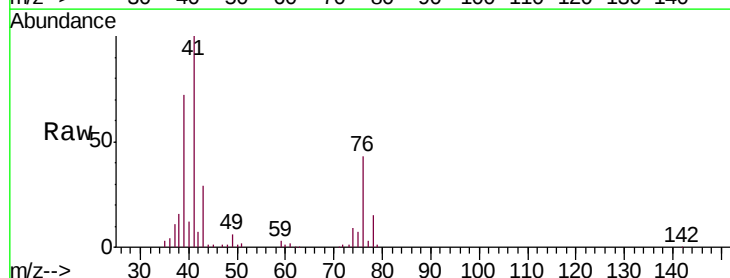
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

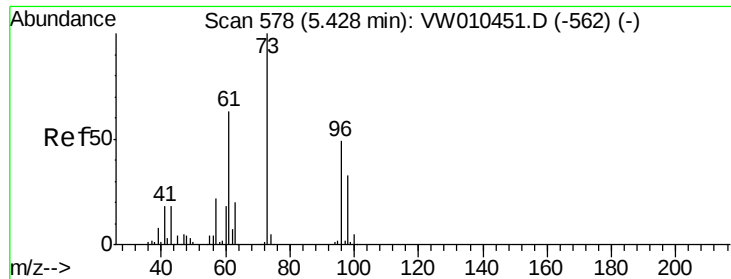
Tgt Ion: 76 Resp: 229078
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 43.898 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 43 Resp: 32079
Ion Ratio Lower Upper
43 100
74 27.7 21.6 32.4

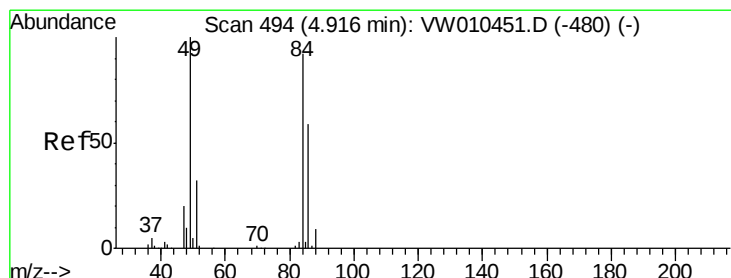
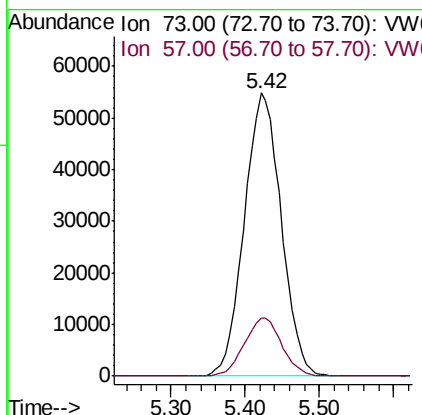
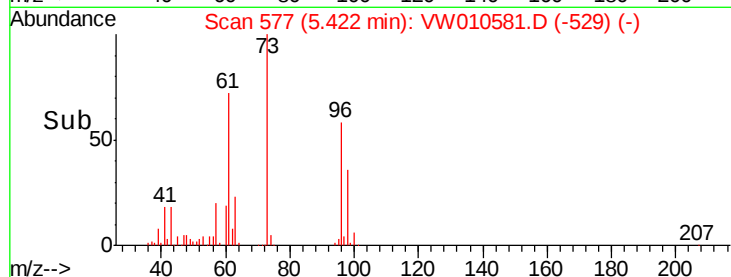
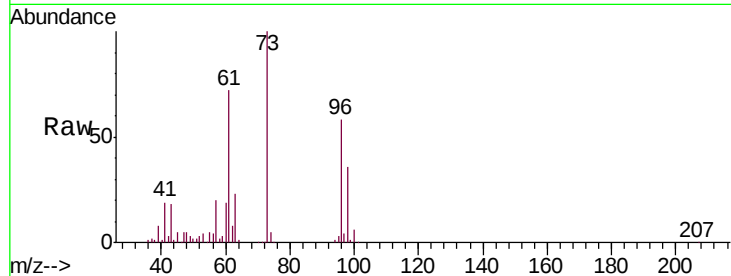




#19
Methyl tert-butyl Ether
Concen: 49.829 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

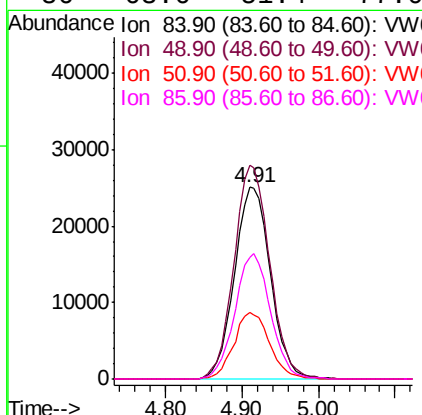
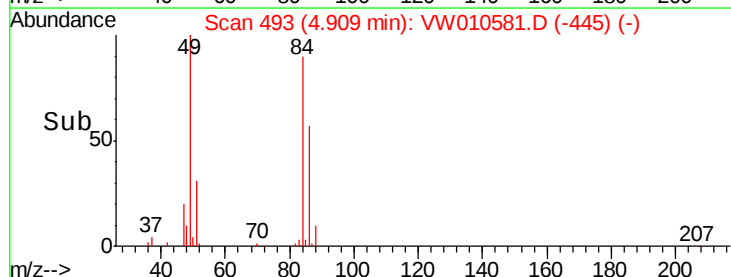
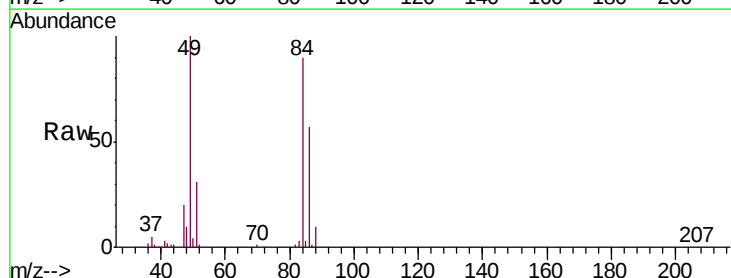
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

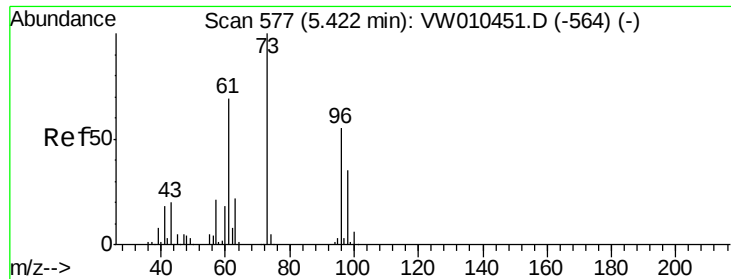
Tgt Ion: 73 Resp: 190287
Ion Ratio Lower Upper
73 100
57 20.3 17.4 26.0



#20
Methylene Chloride
Concen: 46.457 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 84 Resp: 82078
Ion Ratio Lower Upper
84 100
49 111.4 87.2 130.8
51 34.9 27.7 41.5
86 63.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 55.609 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

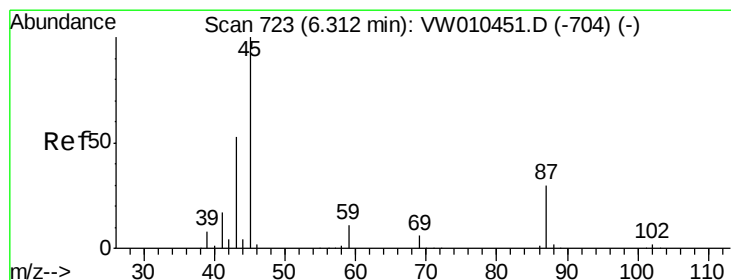
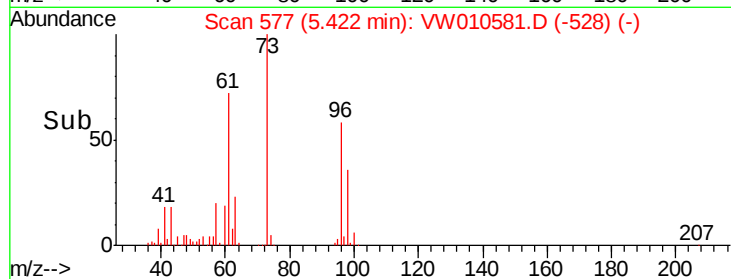
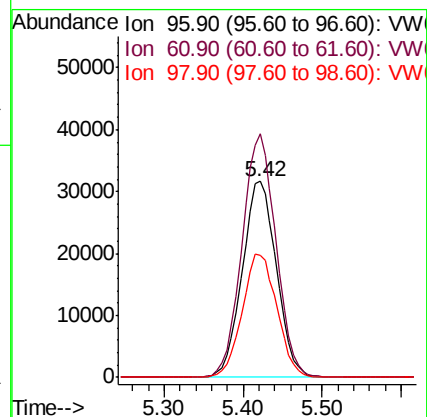
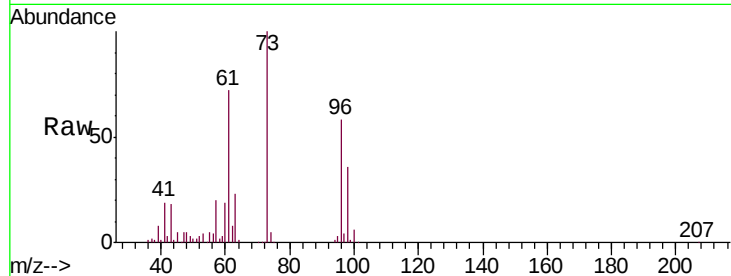
Tgt Ion: 96 Resp: 95548

Ion Ratio Lower Upper

96 100

61 124.4 101.4 152.0

98 62.6 50.6 76.0



#22

Diisopropyl ether

Concen: 51.463 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Tgt Ion: 45 Resp: 228804

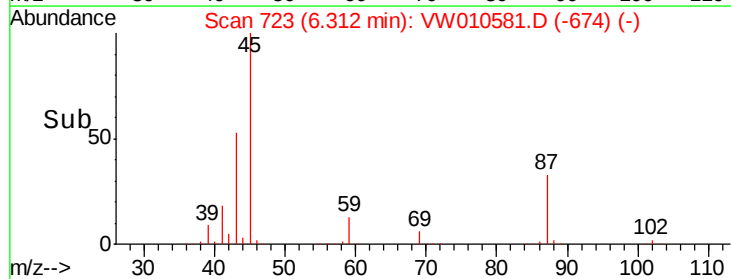
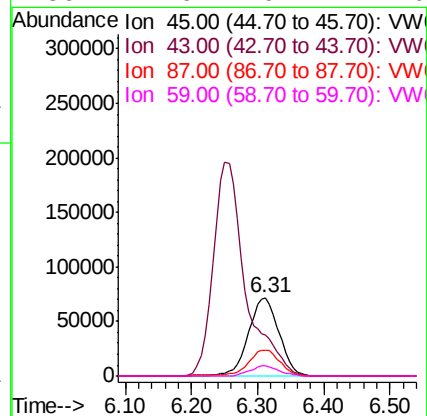
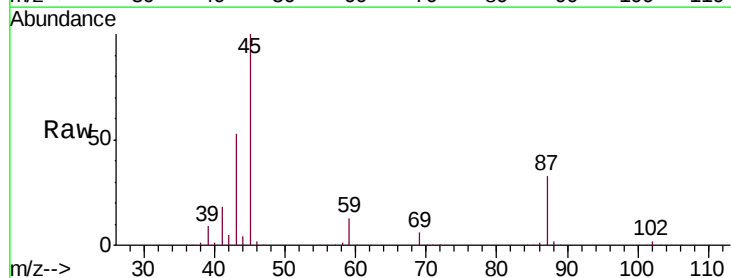
Ion Ratio Lower Upper

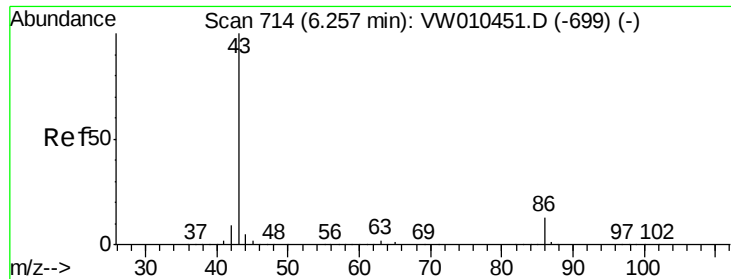
45 100

43 52.3 42.9 64.3

87 33.3 24.6 36.8

59 12.6 9.4 14.0





#23

Vinyl Acetate

Concen: 249.089 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

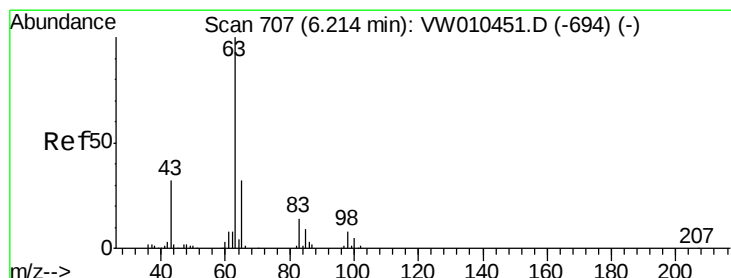
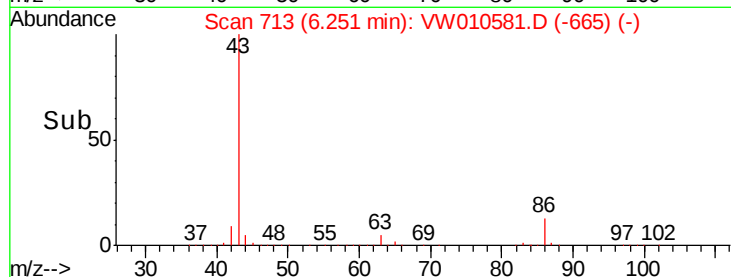
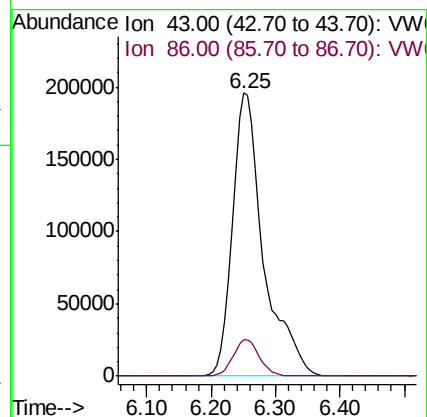
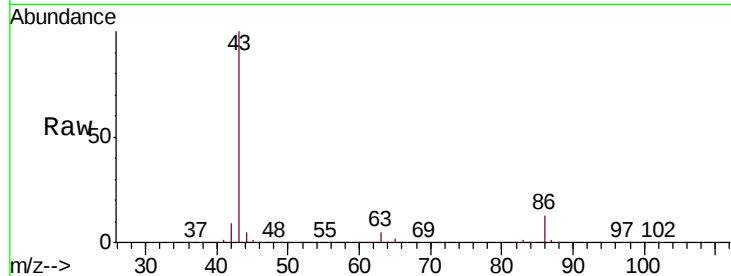
VSTDCCC050

Tgt Ion: 43 Resp: 661530

Ion Ratio Lower Upper

43 100

86 12.8 10.3 15.5



#24

1,1-Dichloroethane

Concen: 54.680 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

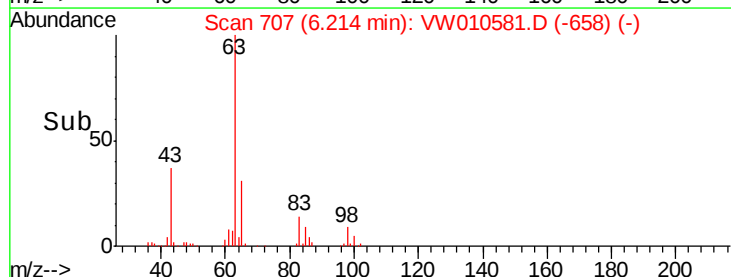
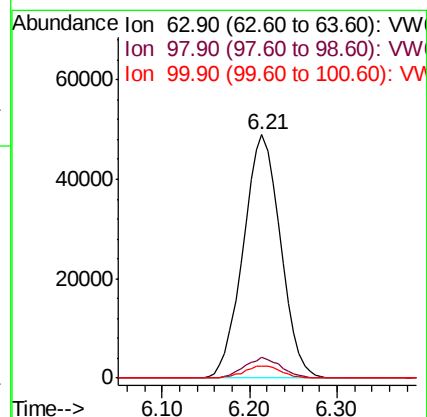
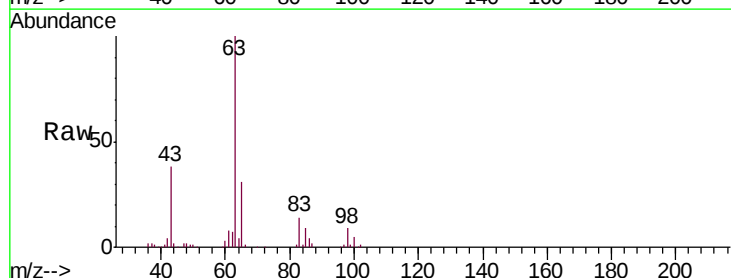
Tgt Ion: 63 Resp: 145076

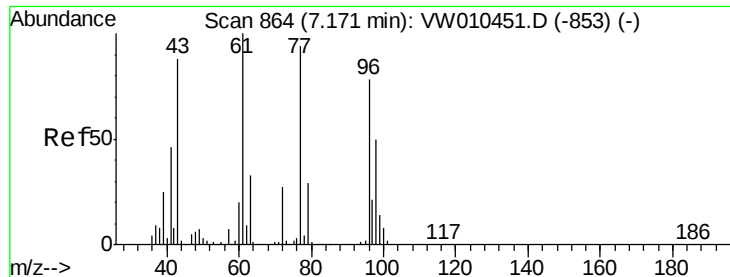
Ion Ratio Lower Upper

63 100

98 8.6 3.8 11.2

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 258.627 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

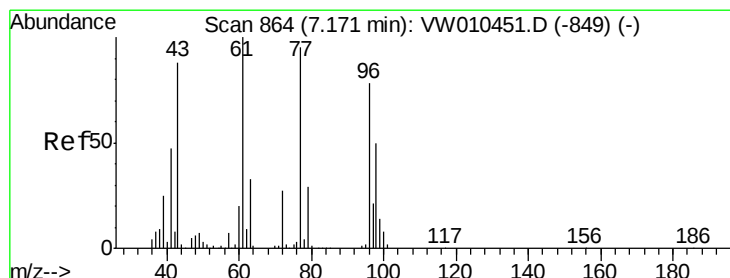
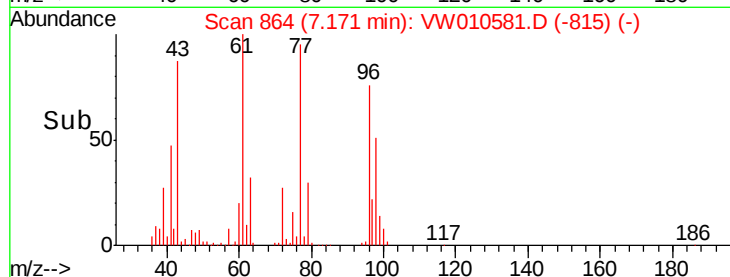
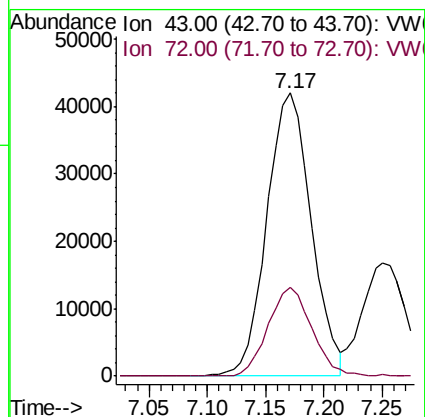
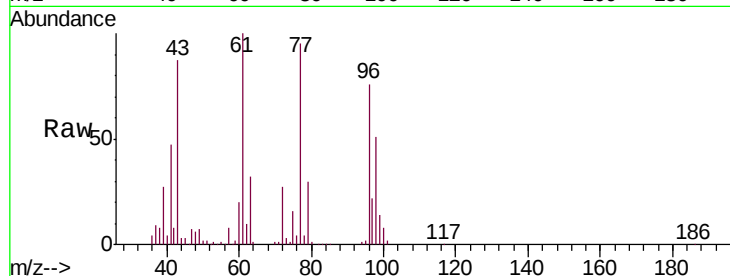
VSTDCCC050

Tgt Ion: 43 Resp: 110589

Ion Ratio Lower Upper

43 100

72 31.3 24.1 36.1



#26

2,2-Dichloropropane

Concen: 57.963 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010581.D

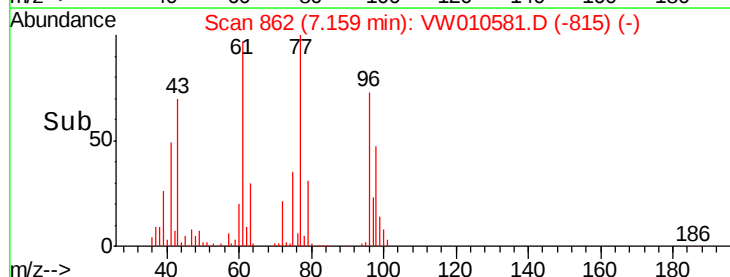
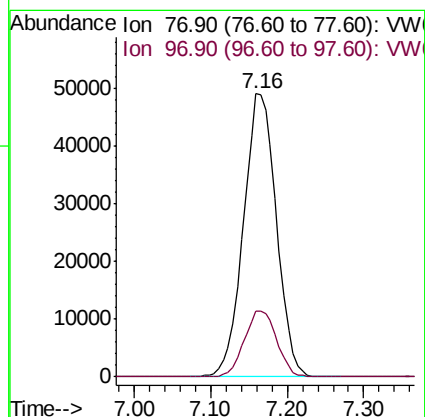
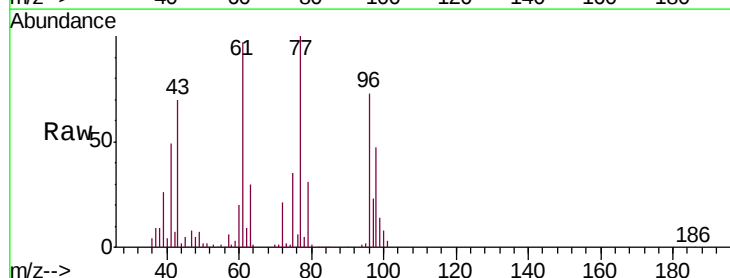
Acq: 29 May 2019 10:26

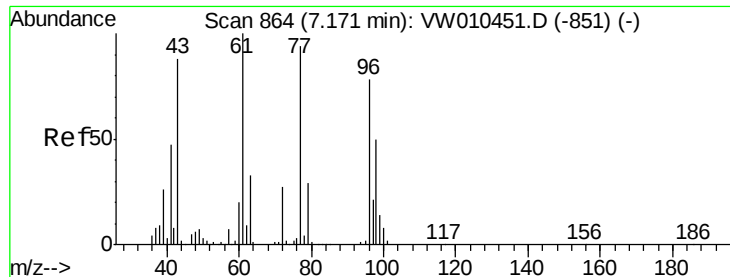
Tgt Ion: 77 Resp: 146489

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0



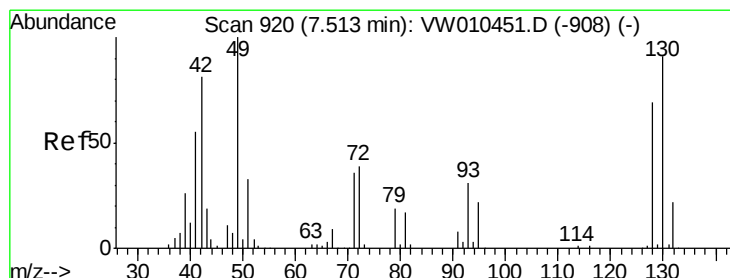
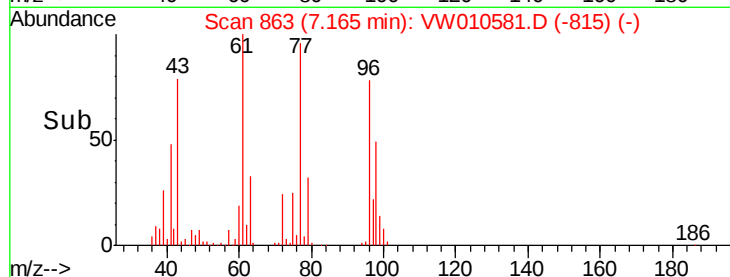
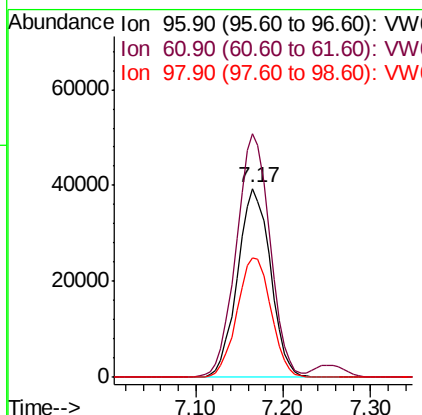
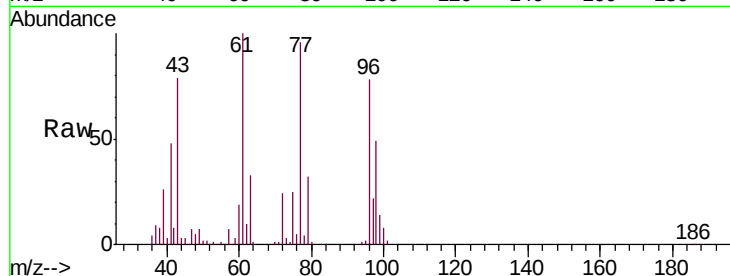


#27

cis-1,2-Dichloroethene
Concen: 55.292 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

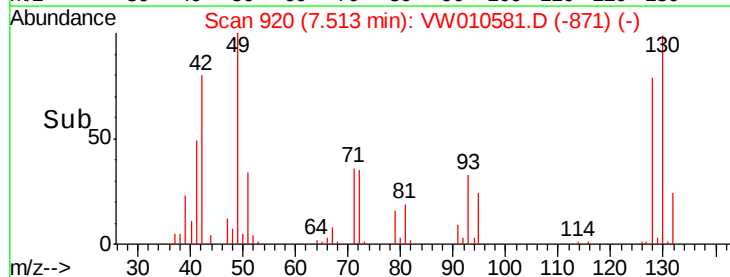
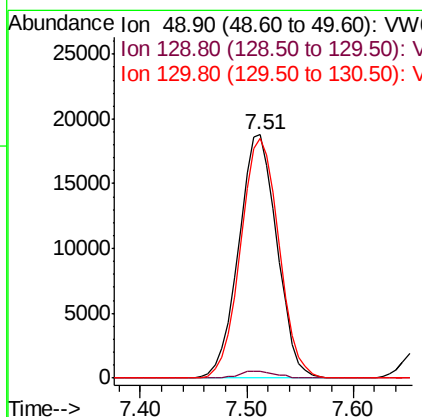
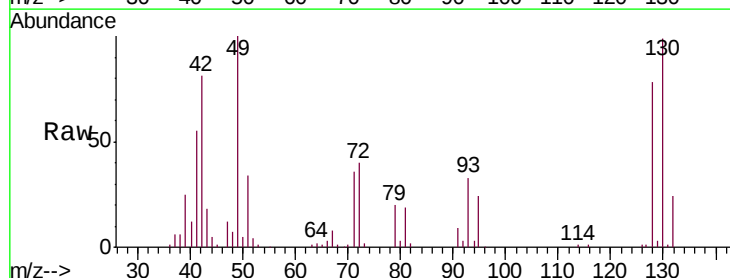
Tgt Ion: 96 Resp: 103285
Ion Ratio Lower Upper
96 100
61 132.0 0.0 265.4
98 65.1 0.0 129.4

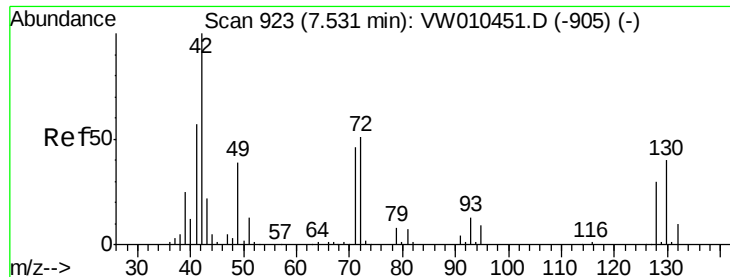


#28

Bromochloromethane
Concen: 49.929 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 49 Resp: 47429
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.8
130 98.5 71.2 106.8

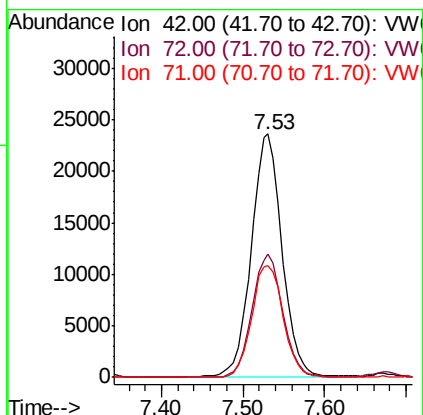
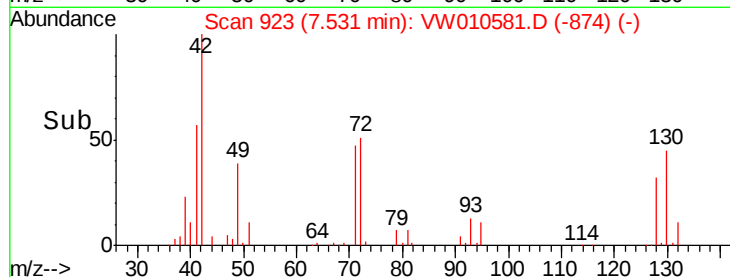
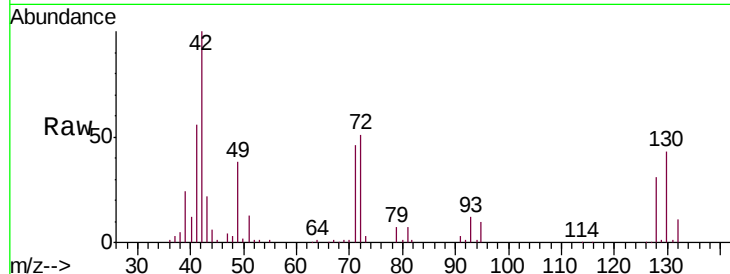




#29
Tetrahydrofuran
Concen: 215.250 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

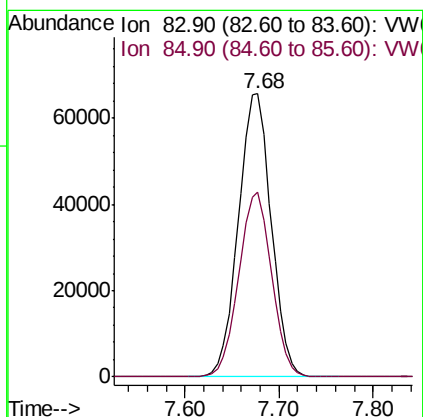
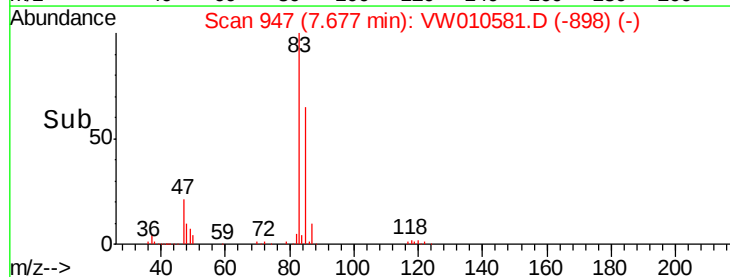
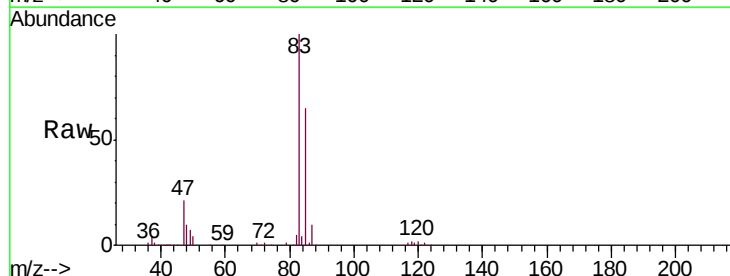
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

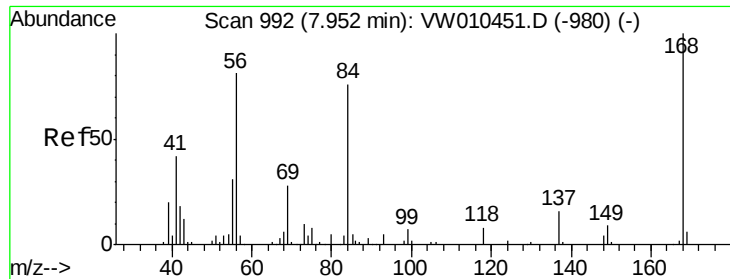
Tgt Ion: 42 Resp: 62282
Ion Ratio Lower Upper
42 100
72 50.3 38.5 57.7
71 47.0 36.5 54.7



#30
Chloroform
Concen: 55.637 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 83 Resp: 159222
Ion Ratio Lower Upper
83 100
85 65.4 52.2 78.4

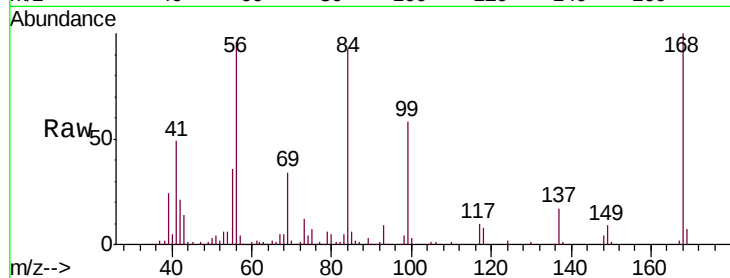




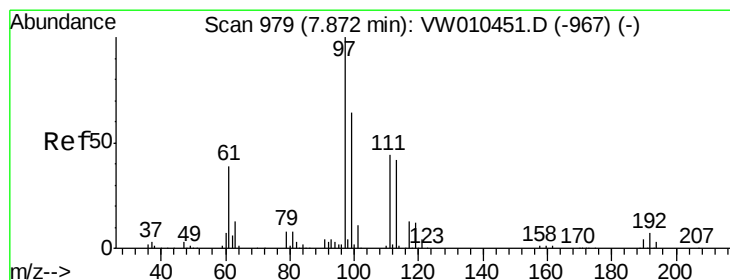
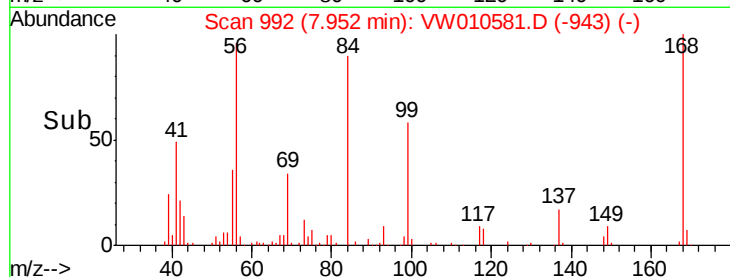
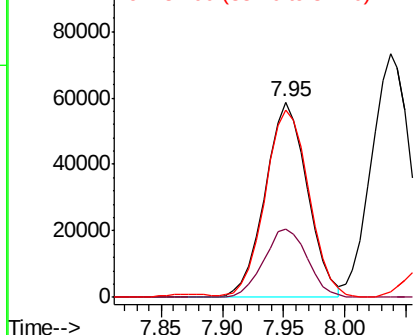
#31
Cyclohexane
Concen: 50.923 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 141526
Ion Ratio Lower Upper
56 100
69 35.3 28.2 42.2
84 94.6 75.8 113.8

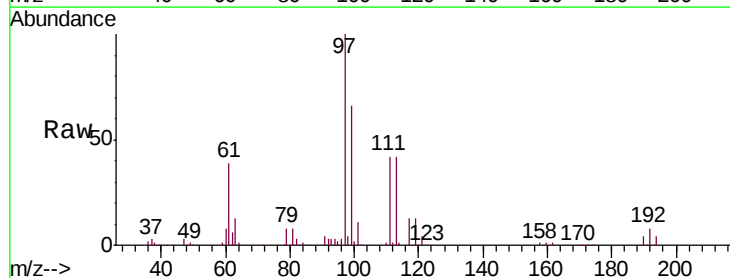


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

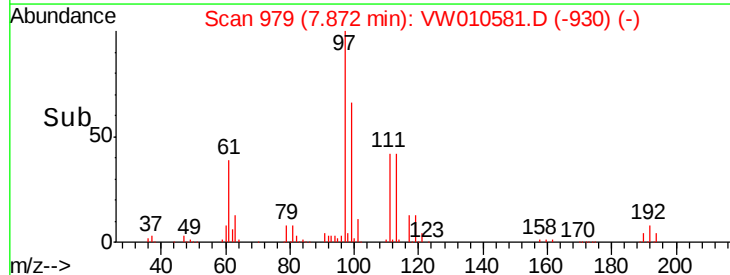
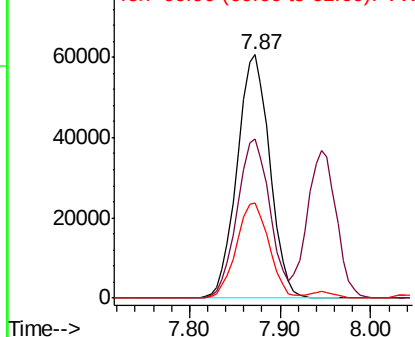


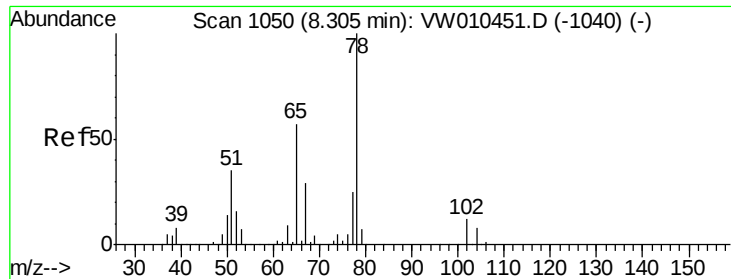
#32
1,1,1-Trichloroethane
Concen: 55.358 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 97 Resp: 151420
Ion Ratio Lower Upper
97 100
99 65.8 50.8 76.2
61 39.4 32.1 48.1



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: 47.446 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

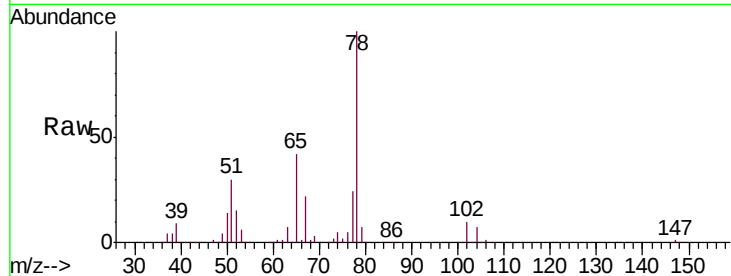
VSTDCCC050

Tgt Ion: 65 Resp: 69451

Ion Ratio Lower Upper

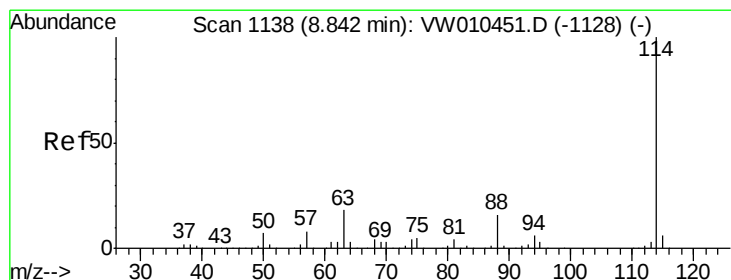
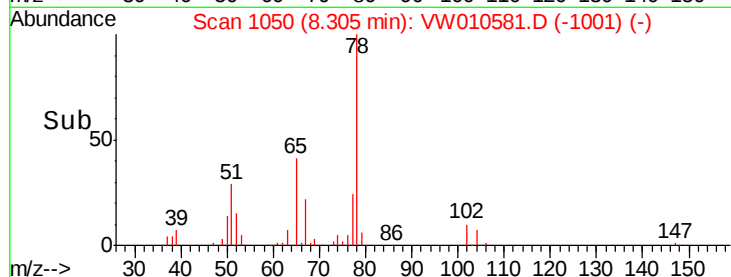
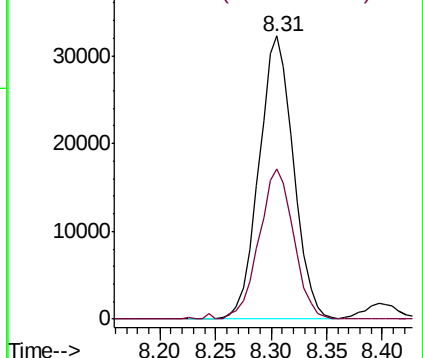
65 100

67 53.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

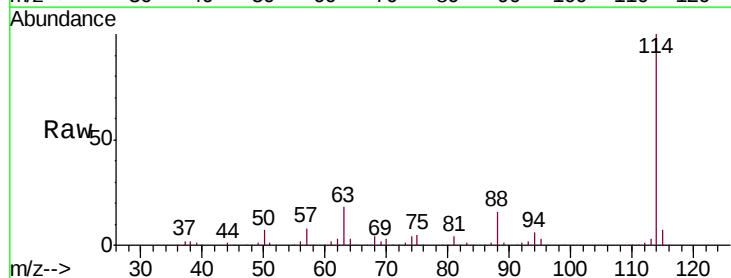
Tgt Ion: 114 Resp: 233727

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.0

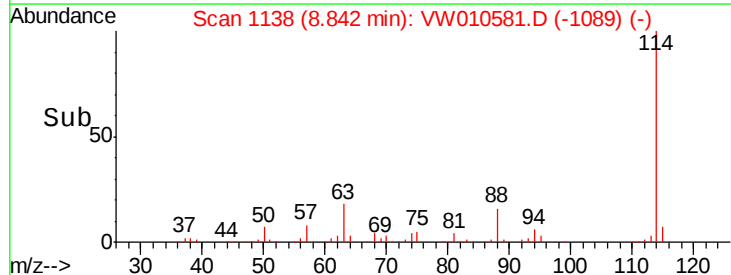
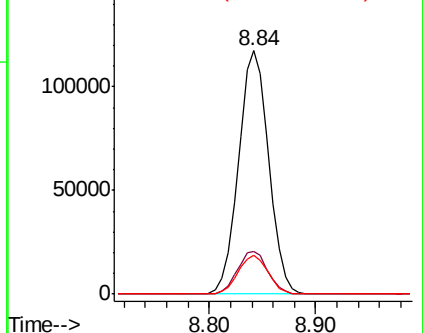
88 16.0 0.0 32.0

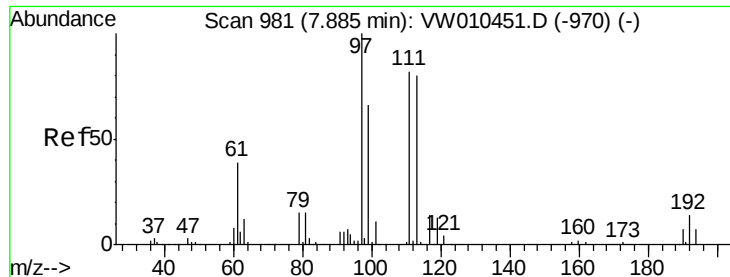


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 53.249 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

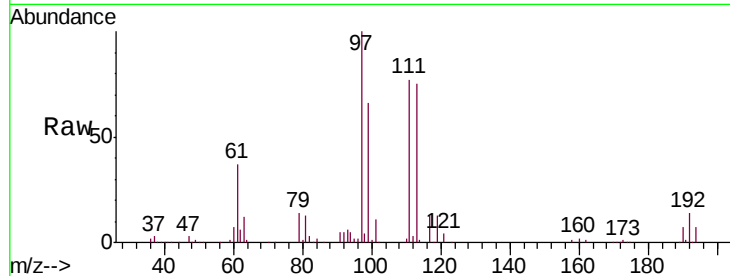
Tgt Ion:113 Resp: 75518

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

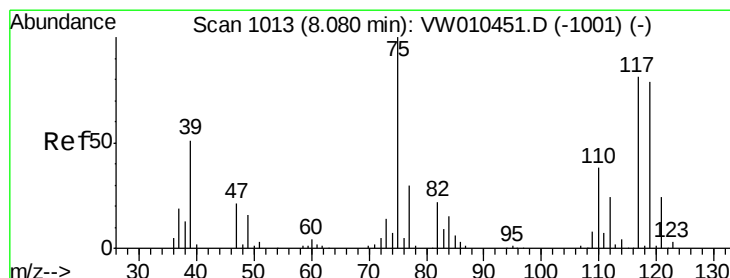
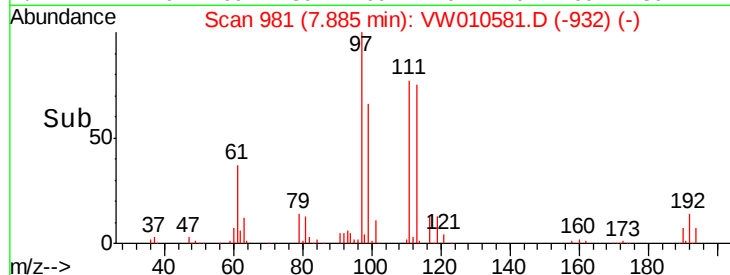
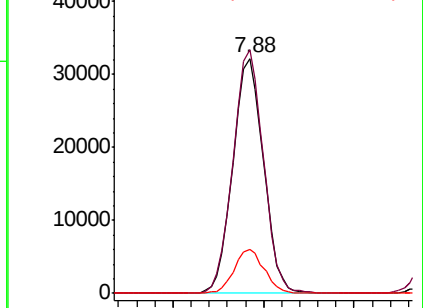
192 18.4 14.3 21.5



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: 58.190 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

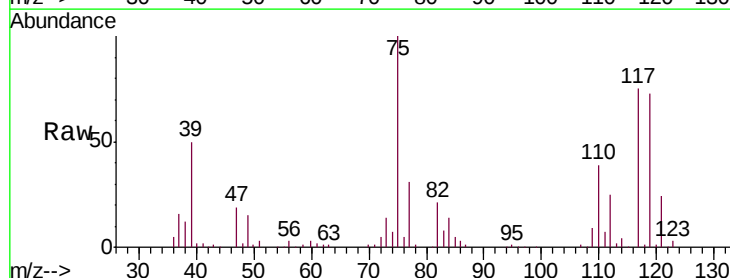
Tgt Ion: 75 Resp: 126697

Ion Ratio Lower Upper

75 100

110 38.8 19.2 57.6

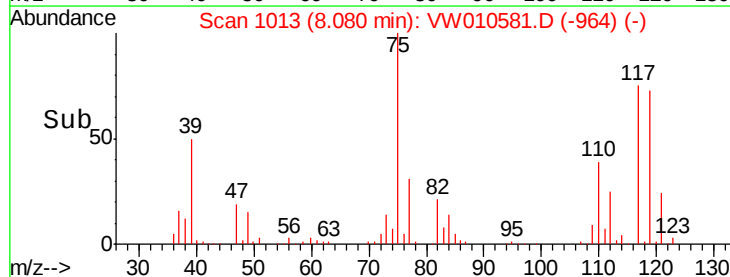
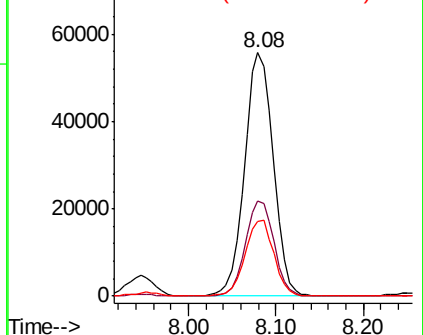
77 31.5 25.2 37.8

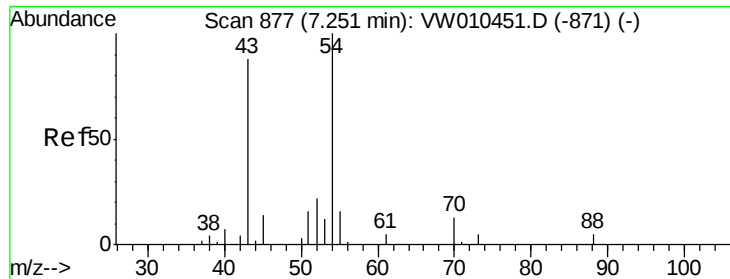


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

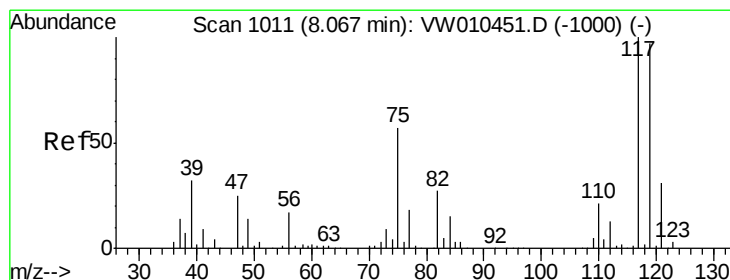
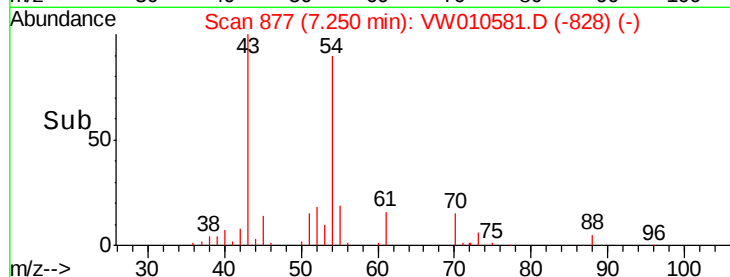
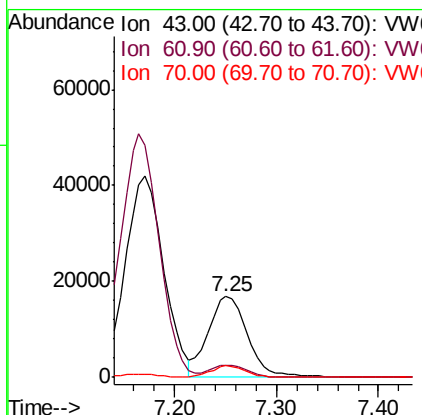
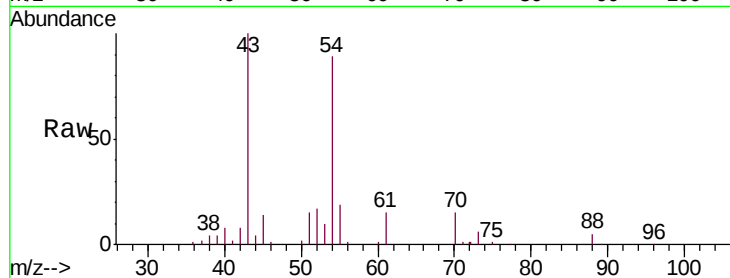




#37
Ethyl Acetate
Concen: 48.319 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

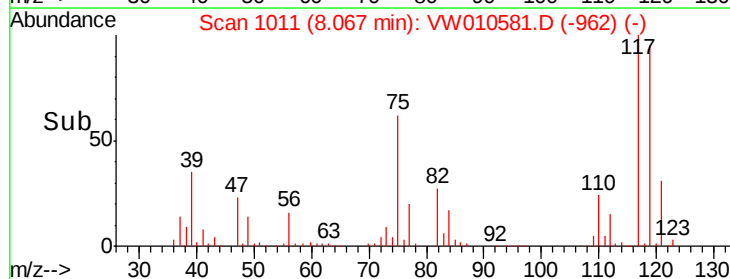
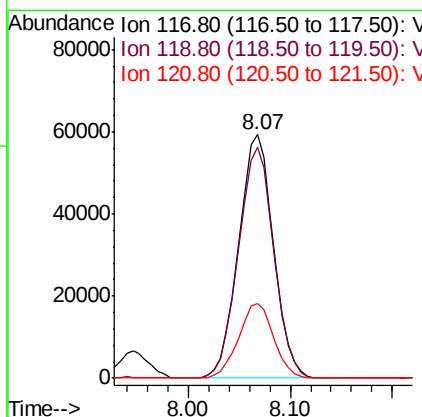
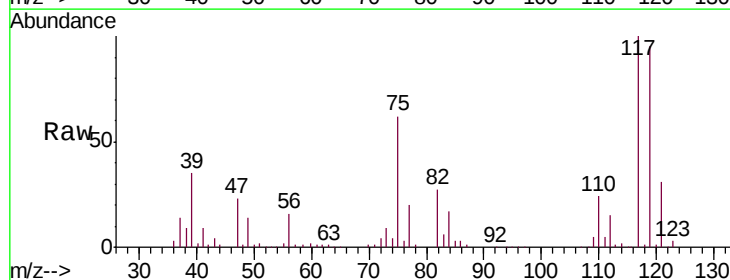
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

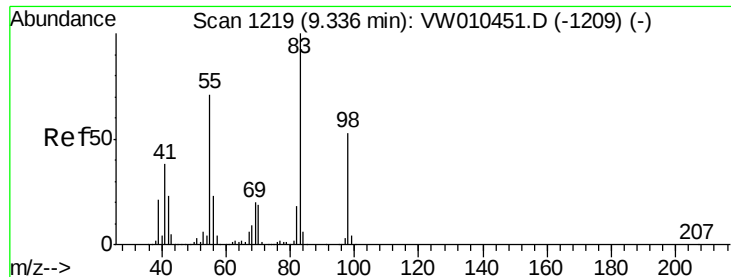
Tgt Ion: 43 Resp: 44738
Ion Ratio Lower Upper
43 100
61 13.9 11.2 16.8
70 13.0 9.9 14.9



#38
Carbon Tetrachloride
Concen: 59.943 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 117 Resp: 140789
Ion Ratio Lower Upper
117 100
119 94.8 77.4 116.0
121 30.9 25.0 37.6

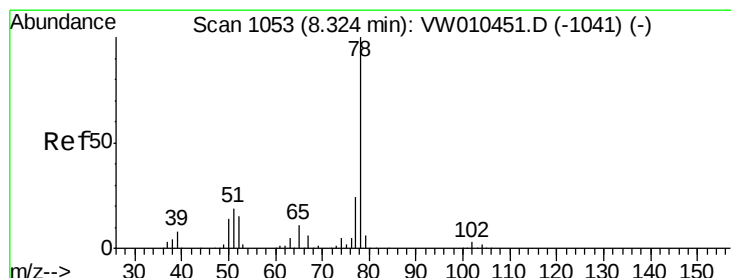
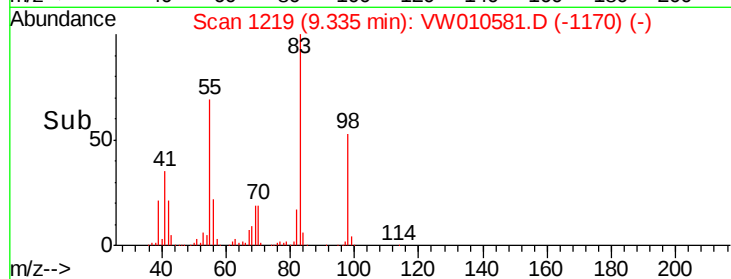
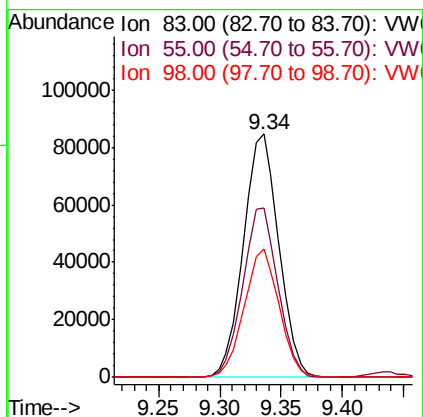
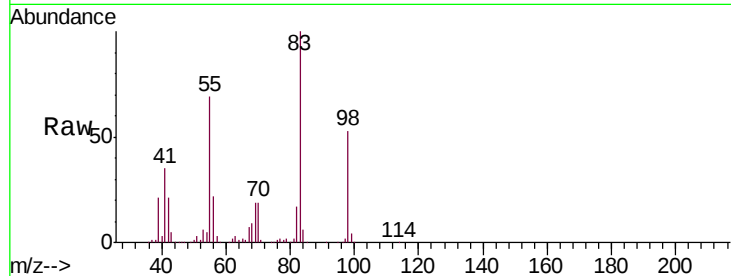




#39
Methylcyclohexane
Concen: 58.464 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

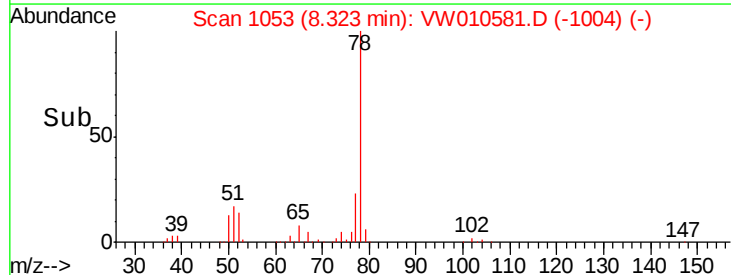
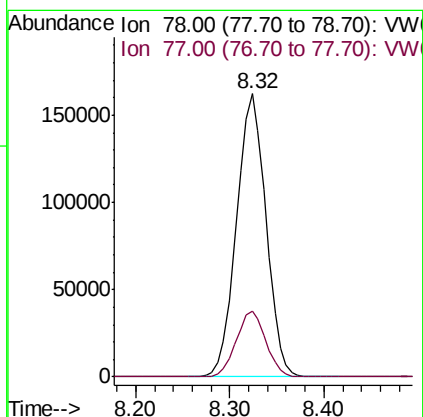
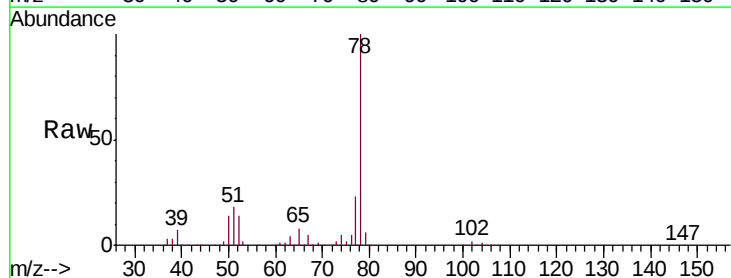
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

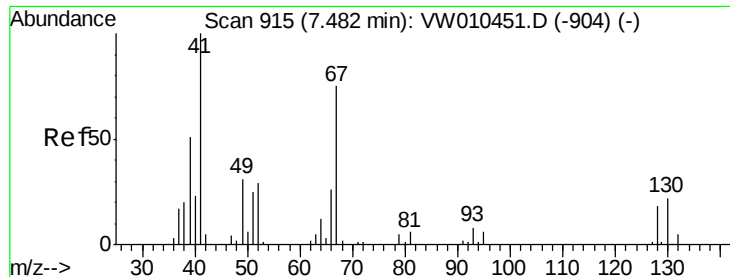
Tgt Ion: 83 Resp: 170542
Ion Ratio Lower Upper
83 100
55 69.4 57.0 85.6
98 52.6 42.0 63.0



#40
Benzene
Concen: 58.125 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 78 Resp: 351749
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3

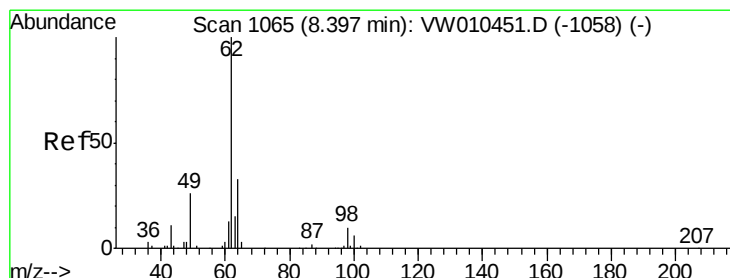
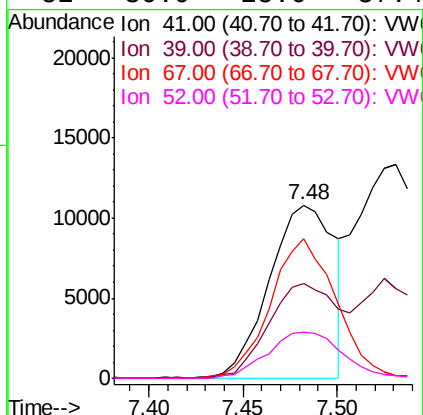
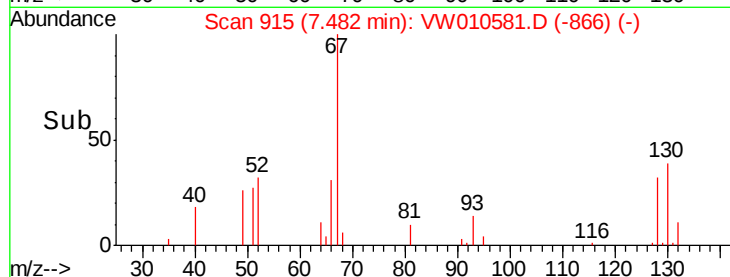
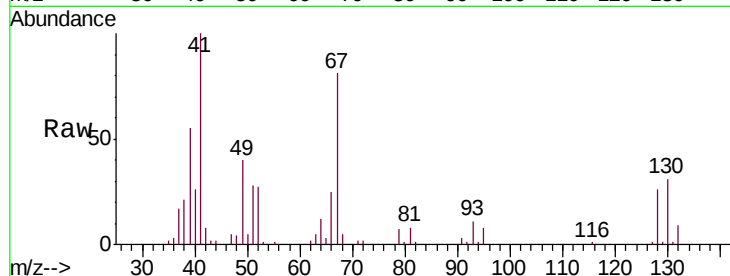




#41
Methacrylonitrile
Concen: 47.317 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

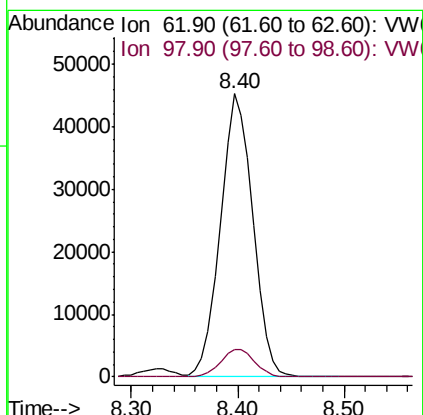
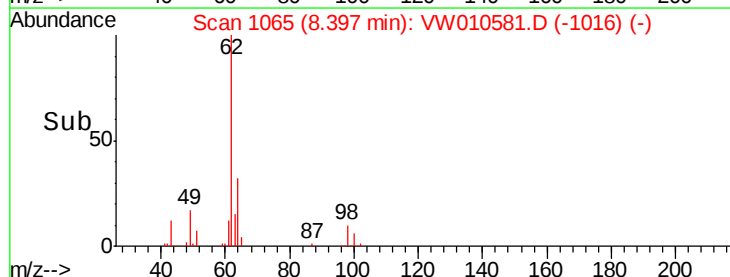
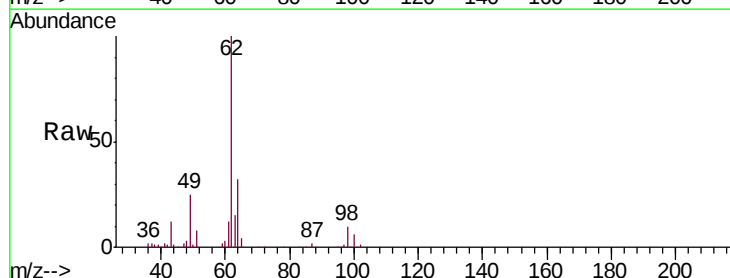
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

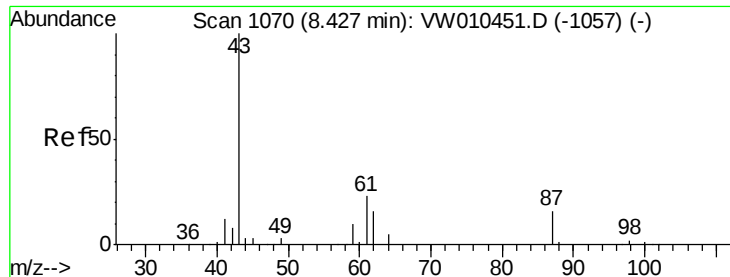
Tgt Ion:	41	Resp:	26031
Ion	Ratio	Lower	Upper
41	100		
39	60.2	47.4	71.2
67	81.1	65.5	98.3
52	30.9	25.0	37.4



#42
1,2-Dichloroethane
Concen: 55.497 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion:	62	Resp:	95988
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 47.613 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

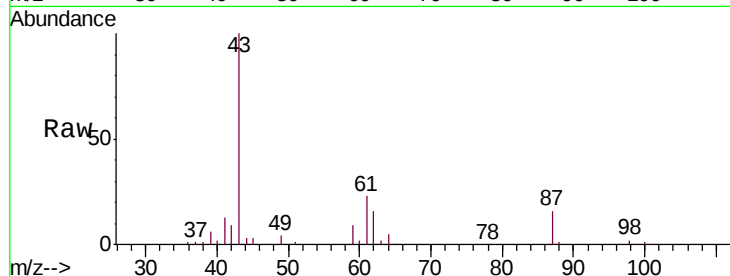
Tgt Ion: 43 Resp: 88071

Ion Ratio Lower Upper

43 100

61 33.1 25.4 38.2

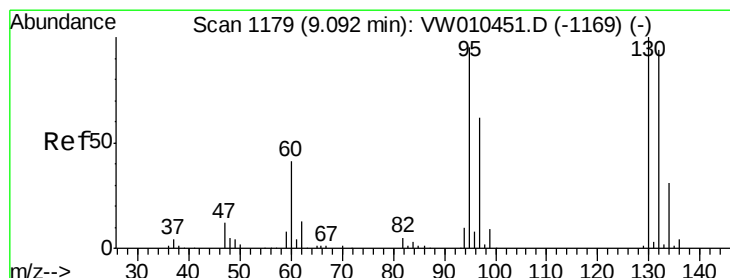
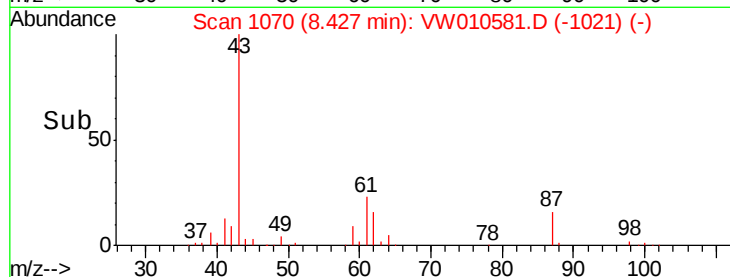
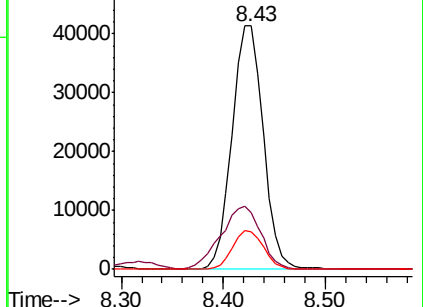
87 15.7 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 59.612 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010581.D

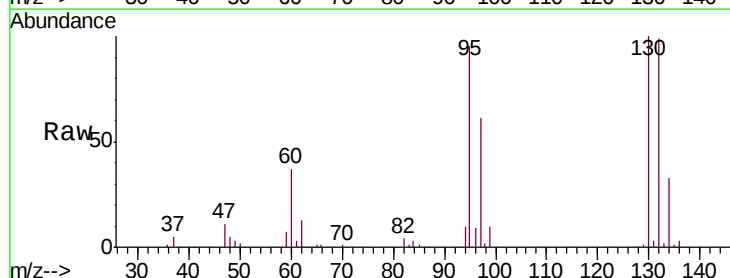
Acq: 29 May 2019 10:26

Tgt Ion: 130 Resp: 107099

Ion Ratio Lower Upper

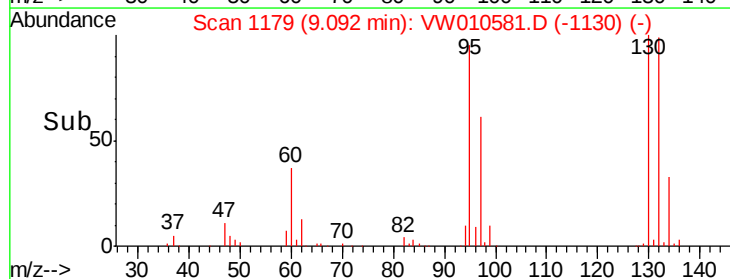
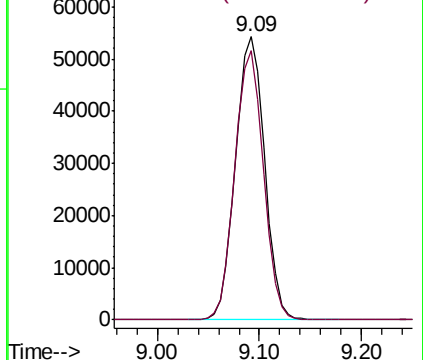
130 100

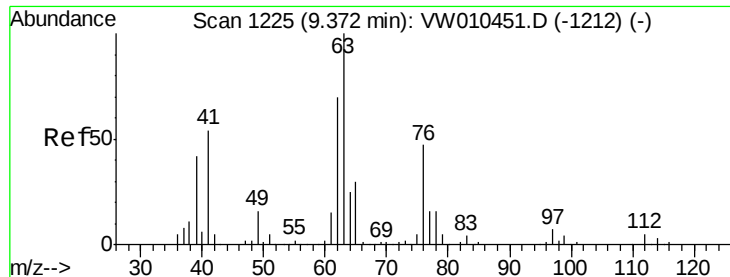
95 95.4 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 55.973 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

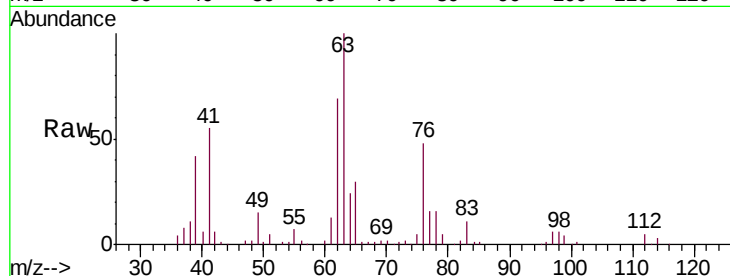
VSTDCCC050

Tgt Ion: 63 Resp: 80447

Ion Ratio Lower Upper

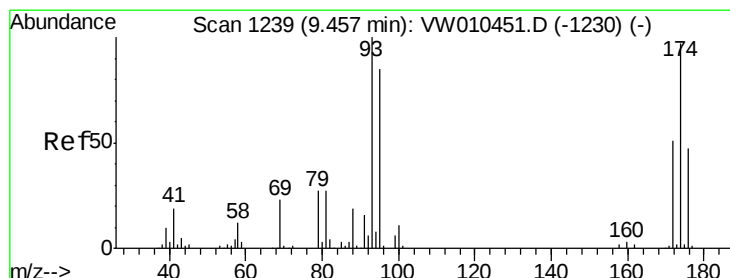
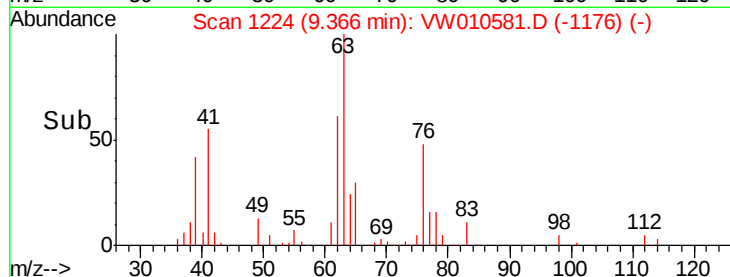
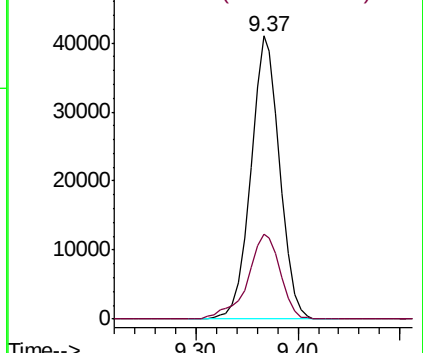
63 100

65 30.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 55.111 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

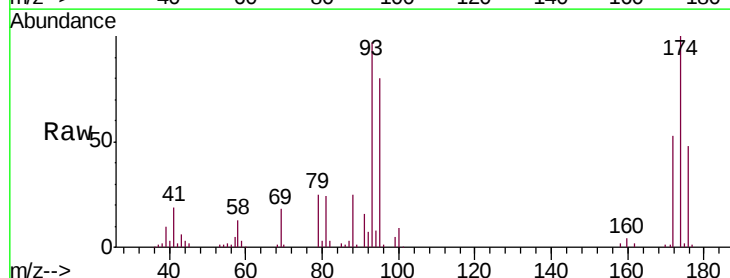
Tgt Ion: 93 Resp: 46323

Ion Ratio Lower Upper

93 100

95 83.8 66.1 99.1

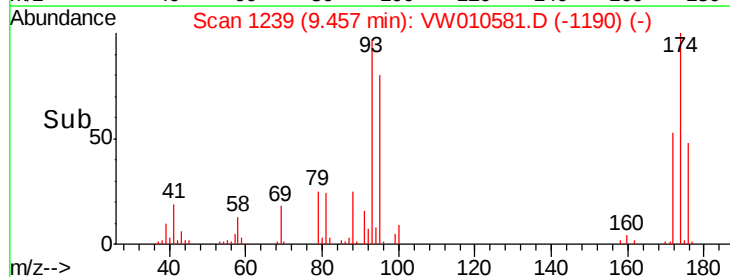
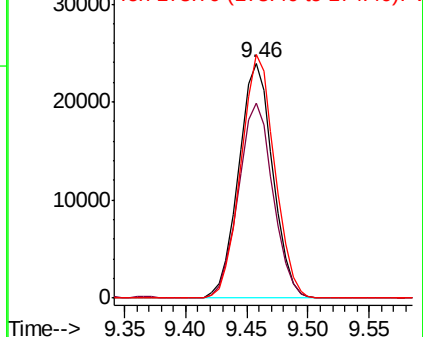
174 102.8 77.1 115.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.886 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

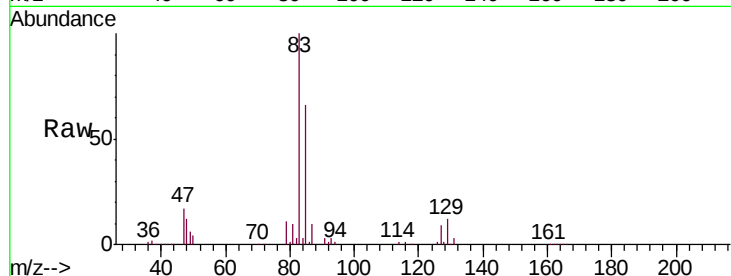
Tgt Ion: 83 Resp: 120157

Ion Ratio Lower Upper

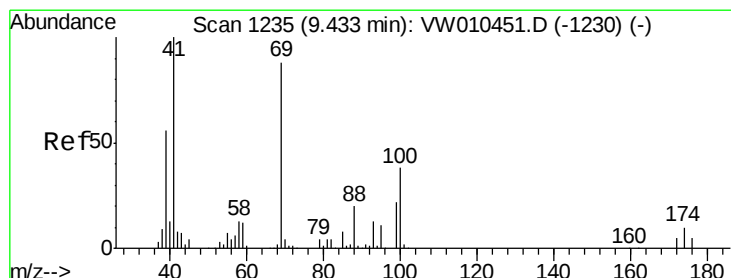
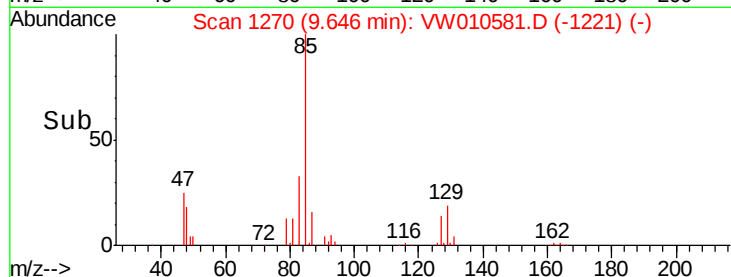
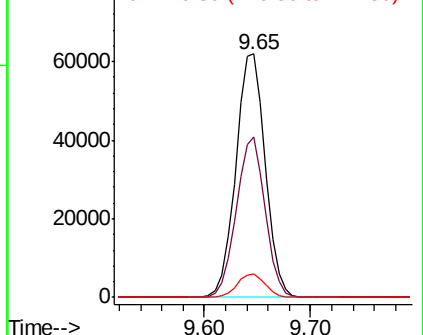
83 100

85 65.7 50.4 75.6

127 9.5 7.4 11.0



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: 47.872 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

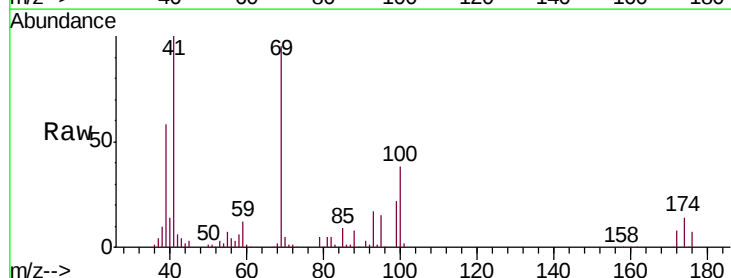
Tgt Ion: 41 Resp: 40510

Ion Ratio Lower Upper

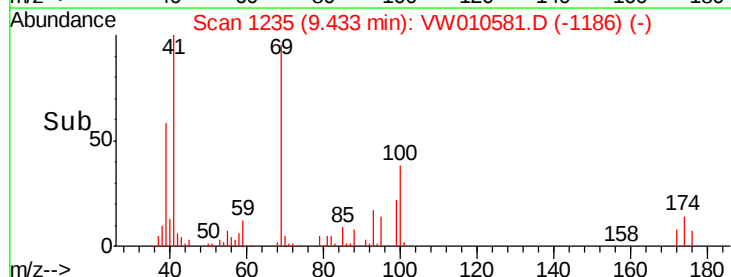
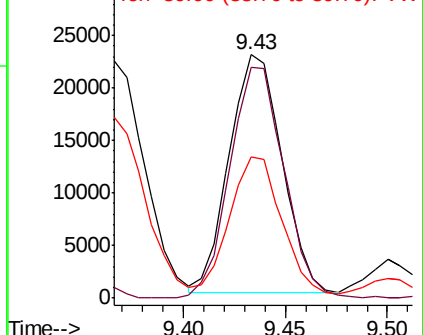
41 100

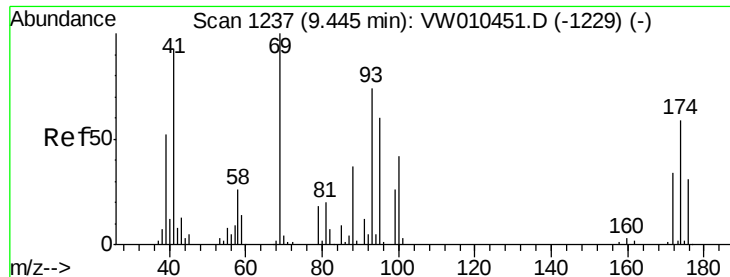
69 100.8 77.6 116.4

39 57.3 49.8 74.8



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: 906.002 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

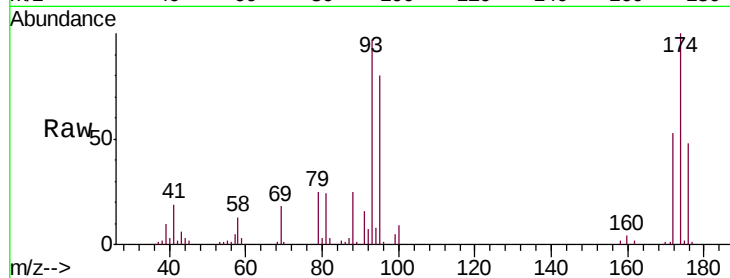
Tgt Ion: 88 Resp: 12440

Ion Ratio Lower Upper

88 100

43 24.4 25.9 38.9#

58 64.6 52.7 79.1

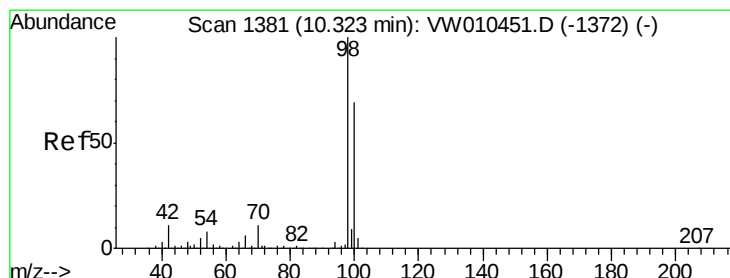
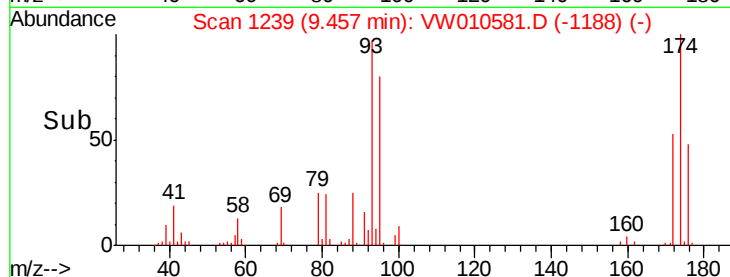
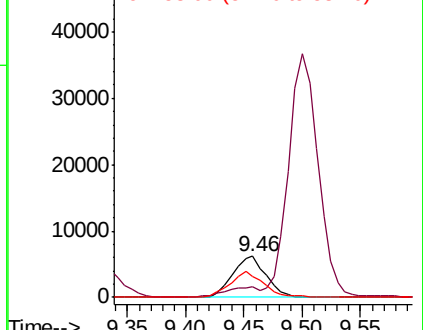


Abundance

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: 53.829 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010581.D

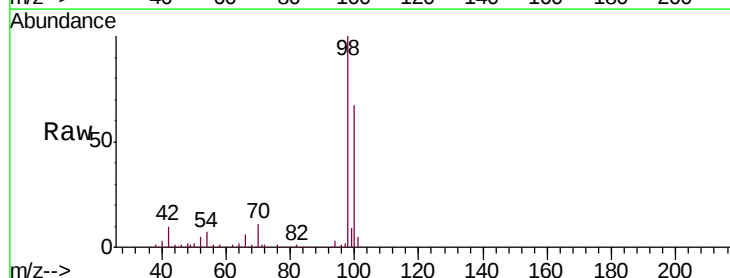
Acq: 29 May 2019 10:26

Tgt Ion: 98 Resp: 291640

Ion Ratio Lower Upper

98 100

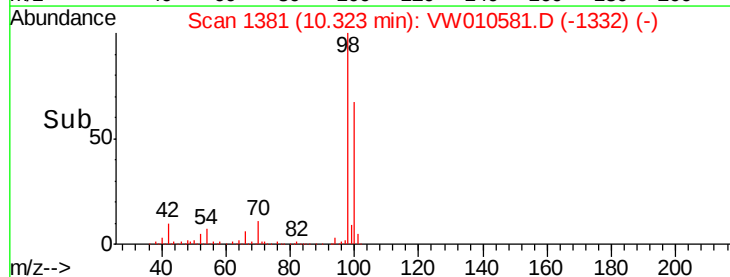
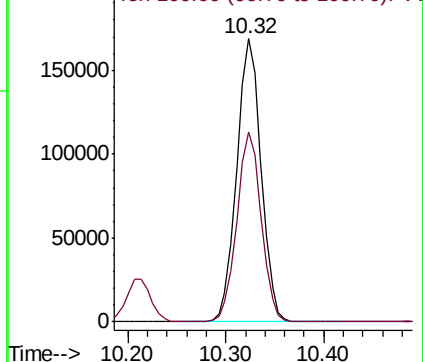
100 67.1 53.7 80.5

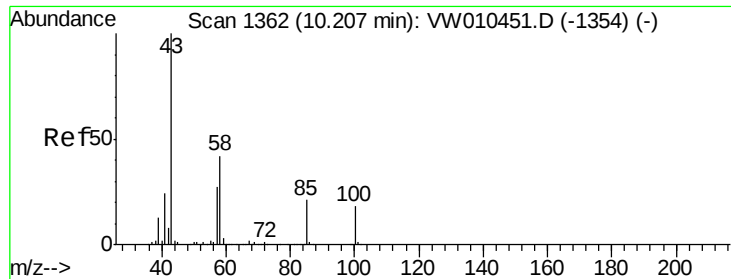


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

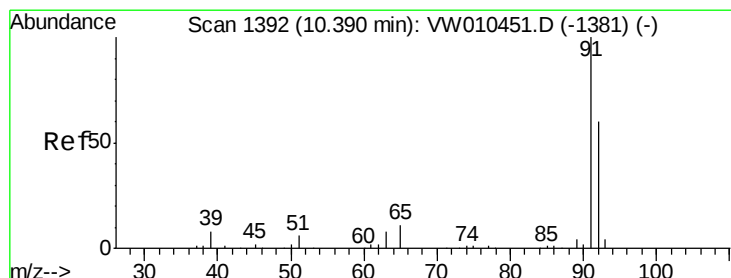
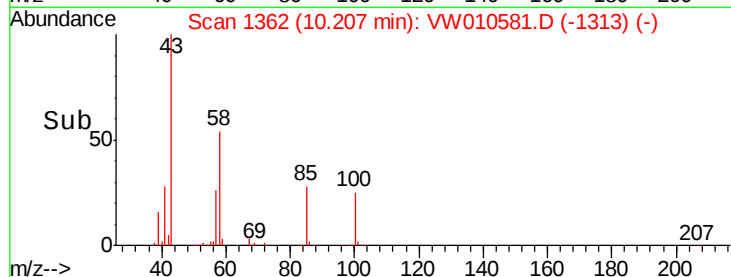
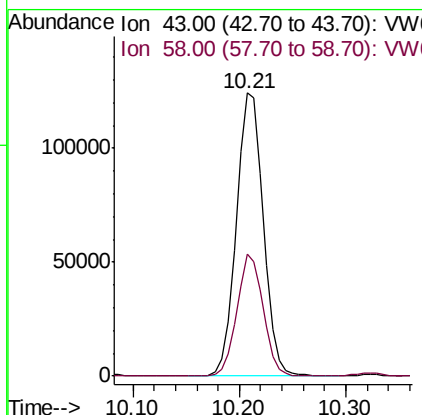
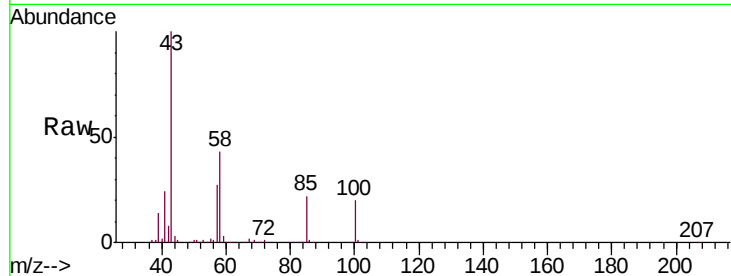




#51
 4-Methyl-2-Pentanone
 Concen: 236.335 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

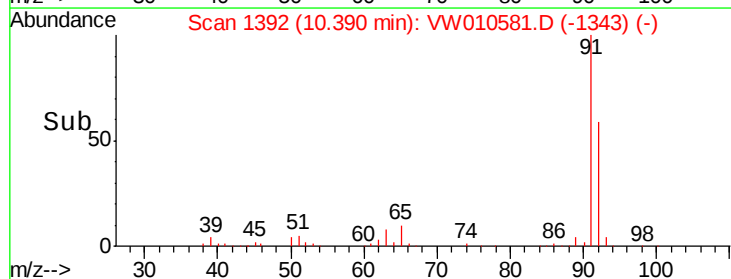
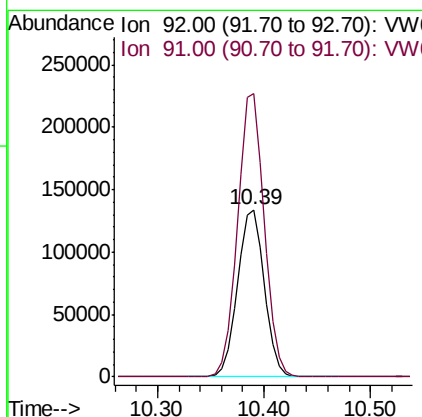
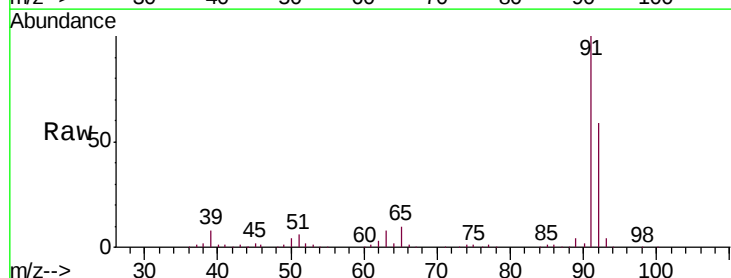
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

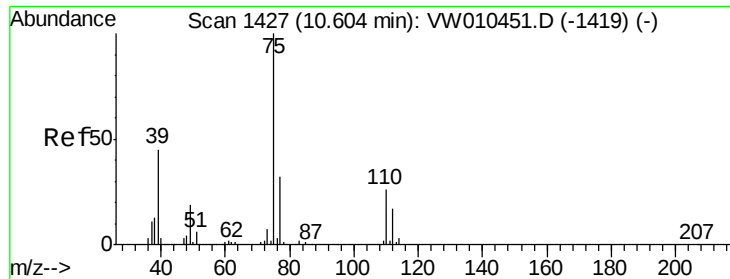
Tgt Ion: 43 Resp: 221515
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.2 49.8



#52
 Toluene
 Concen: 58.285 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion: 92 Resp: 236879
 Ion Ratio Lower Upper
 92 100
 91 168.7 135.4 203.0

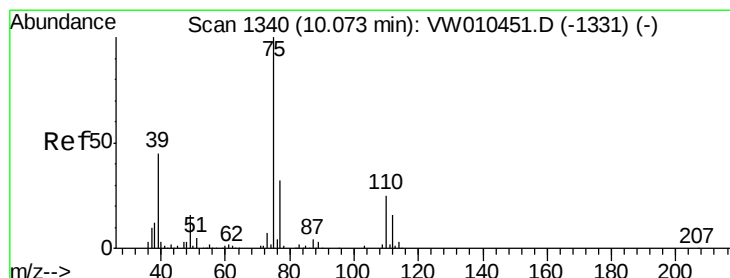
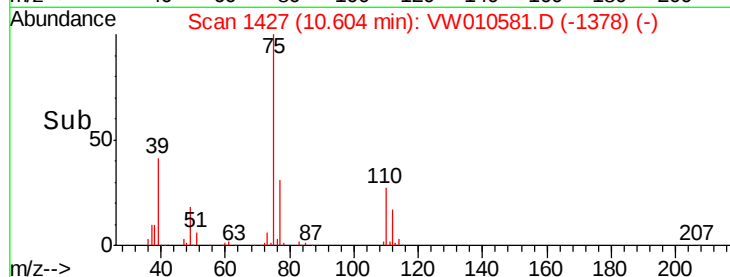
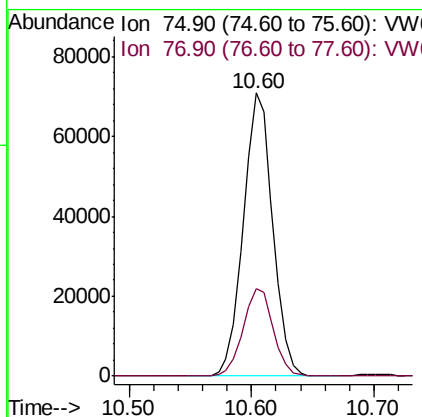
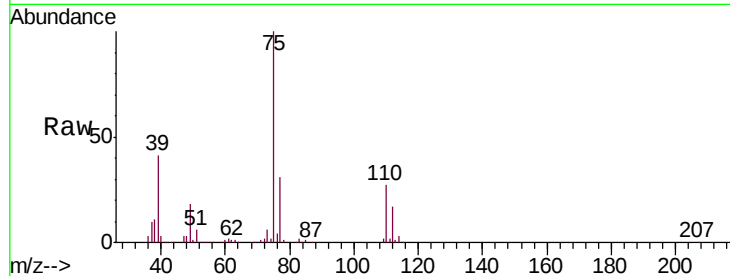




#53
t-1,3-Dichloropropene
Concen: 55.131 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

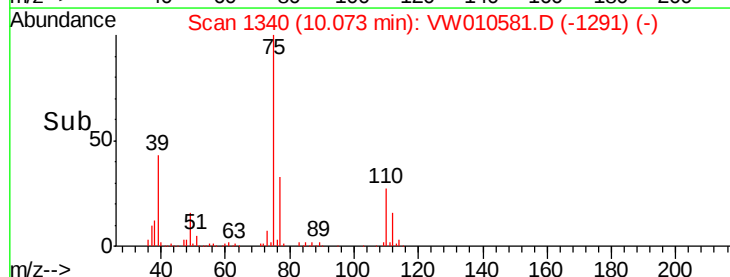
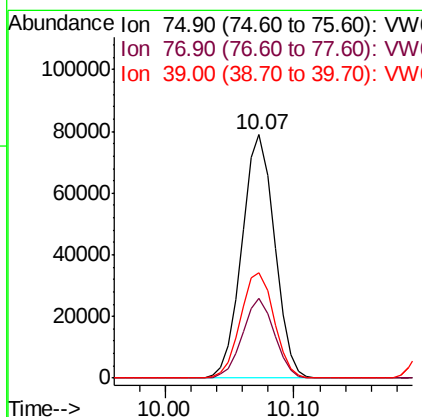
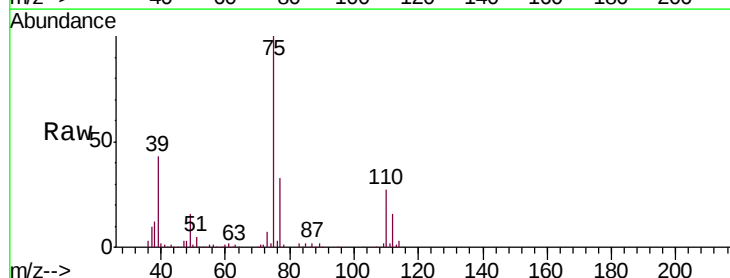
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

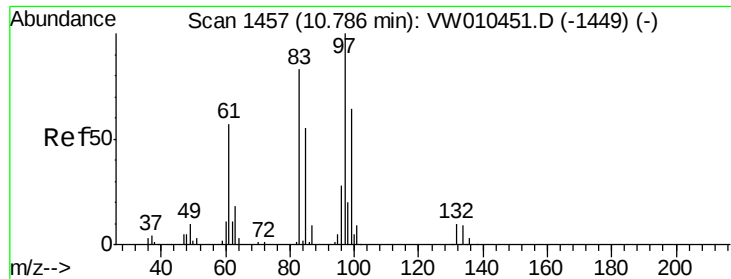
Tgt Ion: 75 Resp: 117938
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 56.739 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 75 Resp: 138620
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5
39 43.4 36.2 54.4

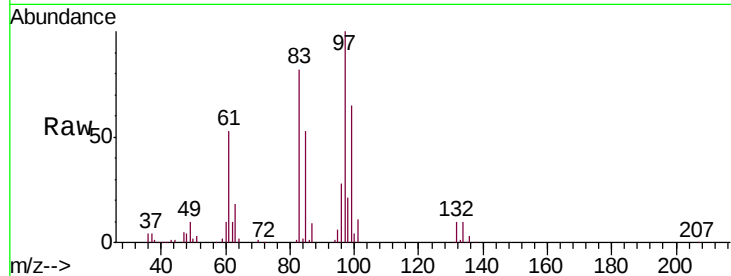




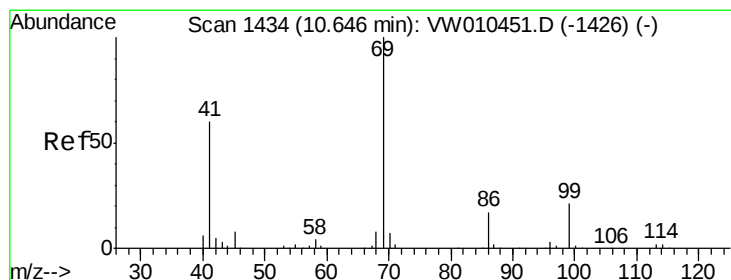
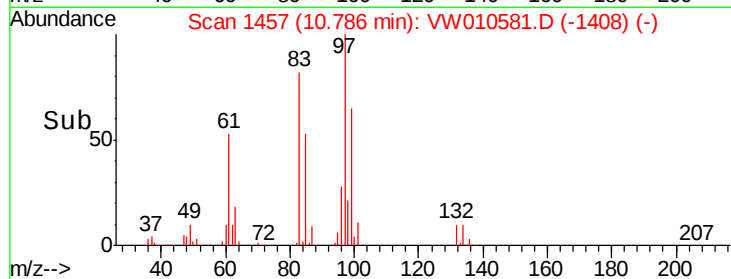
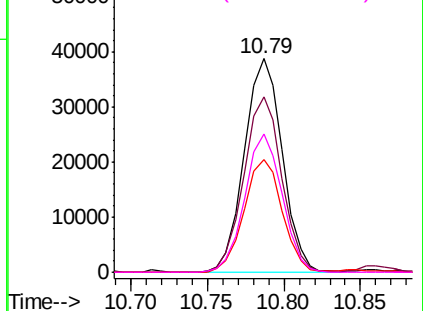
#55
 1,1,2-Trichloroethane
 Concen: 55.439 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	67009
Ion	Ratio	Lower	Upper
97	100		
83	82.2	66.1	99.1
85	52.7	44.2	66.4
99	65.0	51.1	76.7

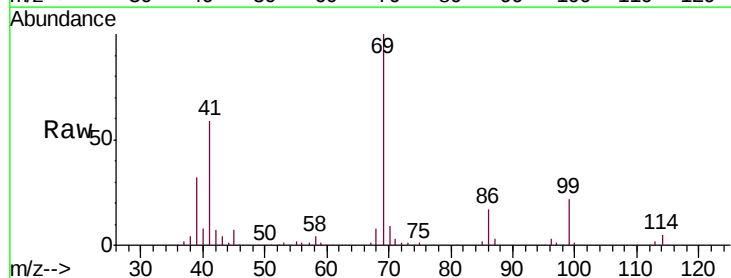


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

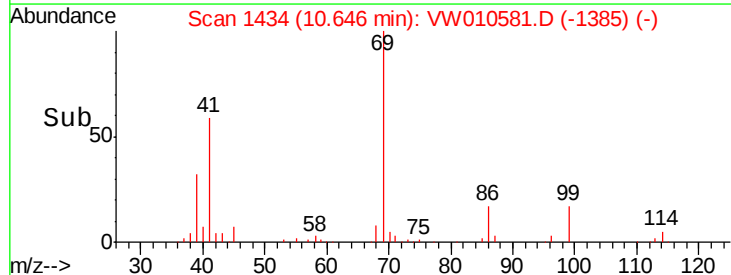
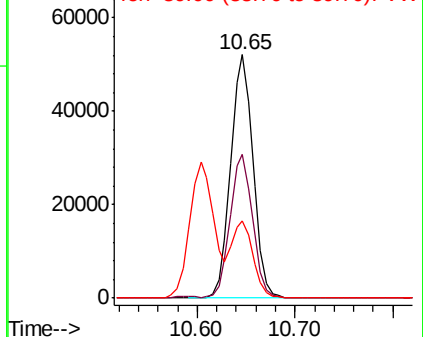


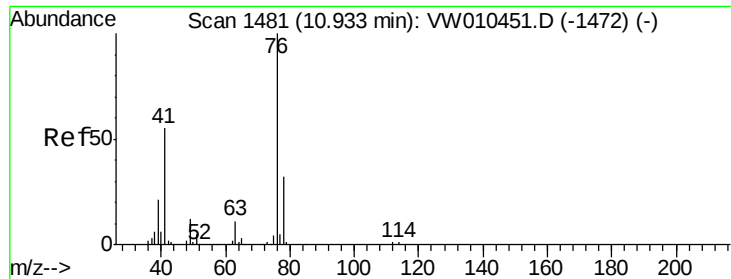
#56
 Ethyl methacrylate
 Concen: 49.798 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion:	69	Resp:	83014
Ion	Ratio	Lower	Upper
69	100		
41	58.9	47.7	71.5
39	30.5	25.3	37.9



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

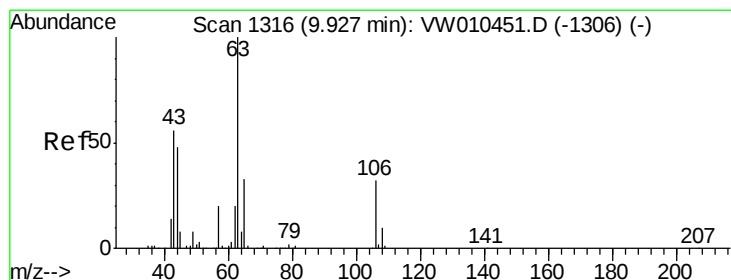
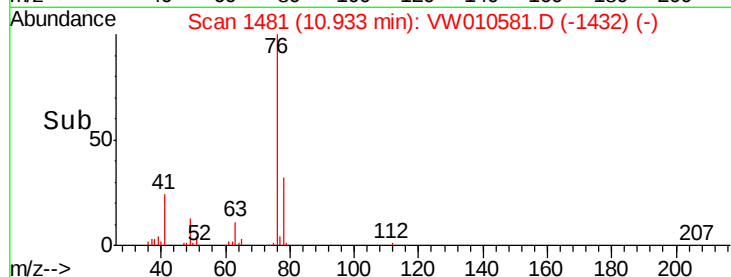
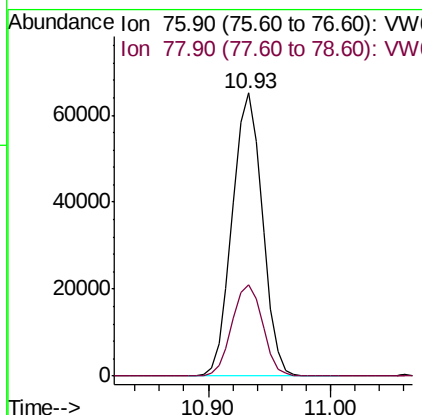
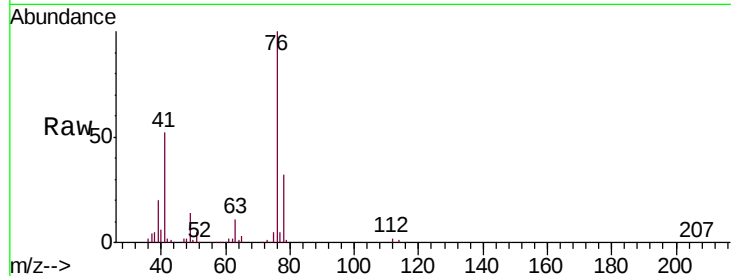




#57
 1,3-Dichloropropane
 Concen: 54.784 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

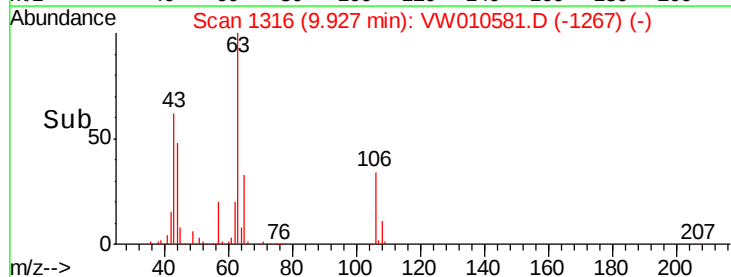
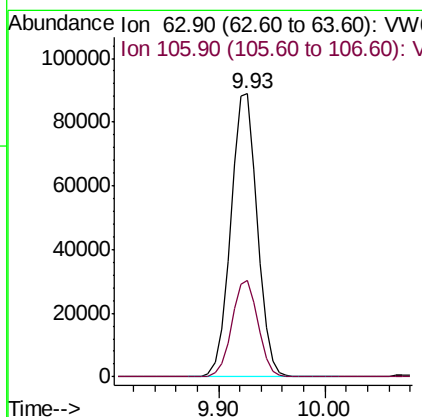
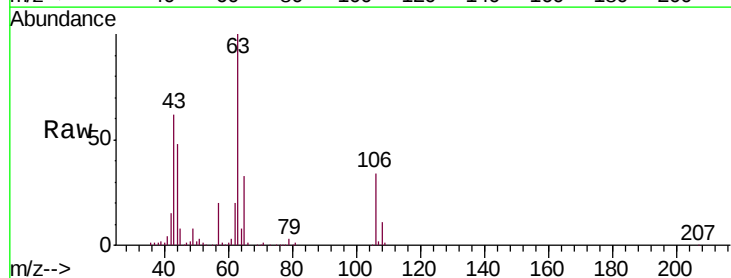
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

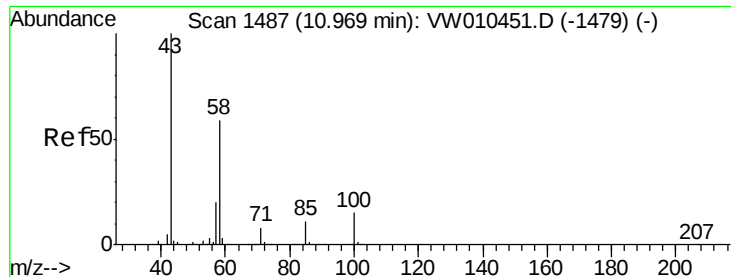
Tgt Ion: 76 Resp: 110918
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 210.450 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion: 63 Resp: 155388
 Ion Ratio Lower Upper
 63 100
 106 33.8 25.8 38.6

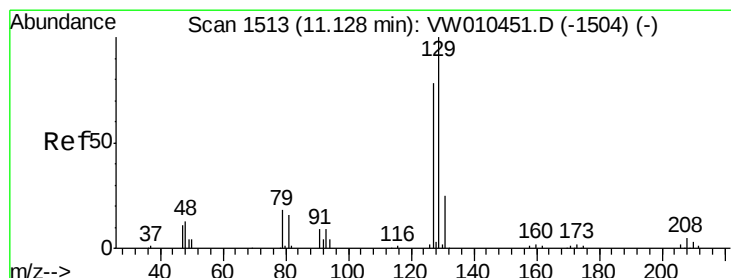
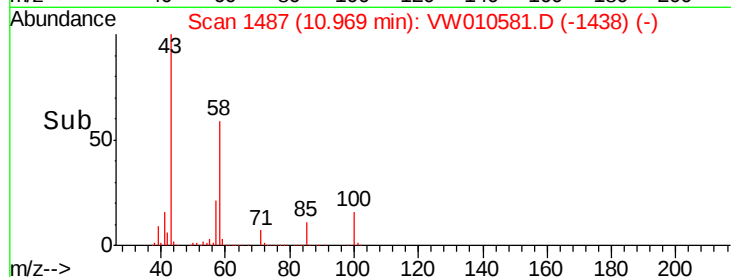
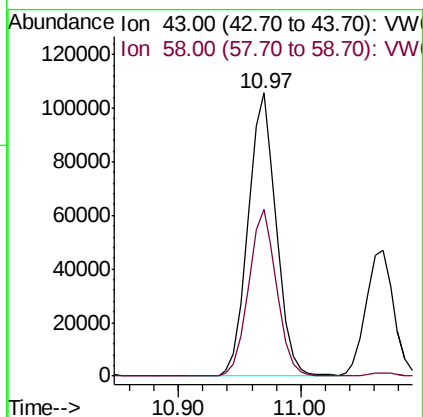
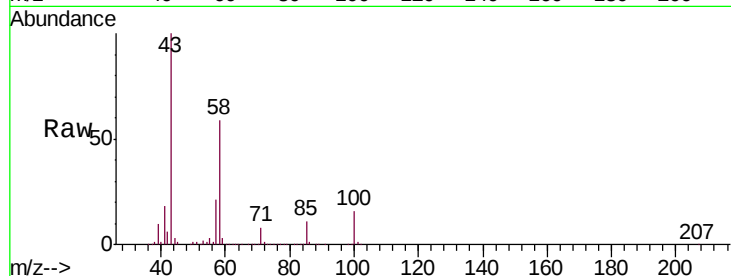




#59
2-Hexanone
Concen: 252.897 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

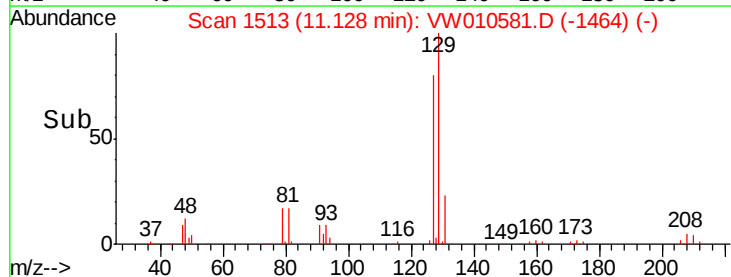
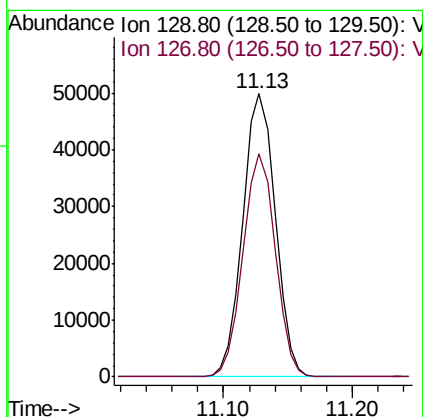
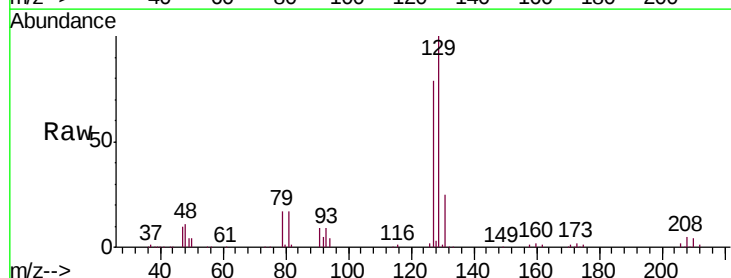
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

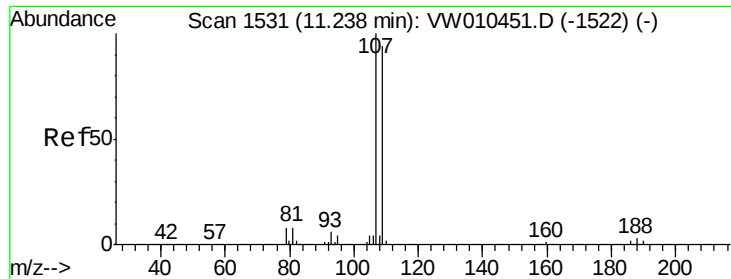
Tgt Ion: 43 Resp: 169091
Ion Ratio Lower Upper
43 100
58 58.6 28.9 86.8



#60
Dibromochloromethane
Concen: 57.090 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 129 Resp: 87332
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.7

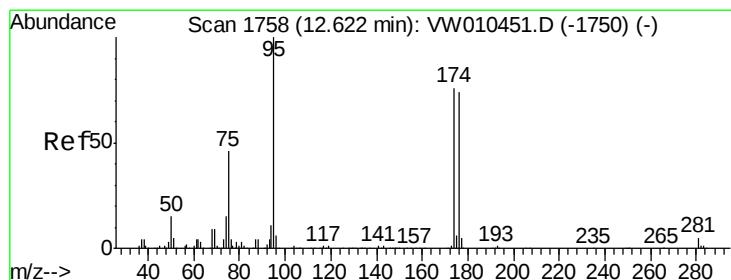
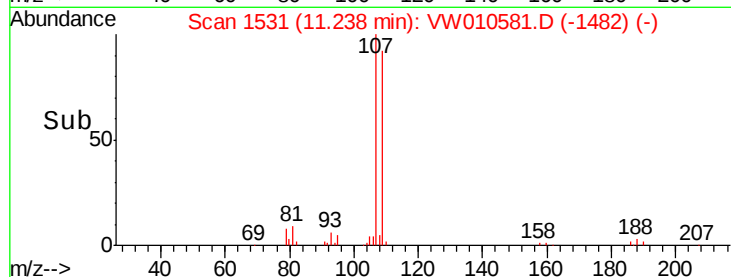
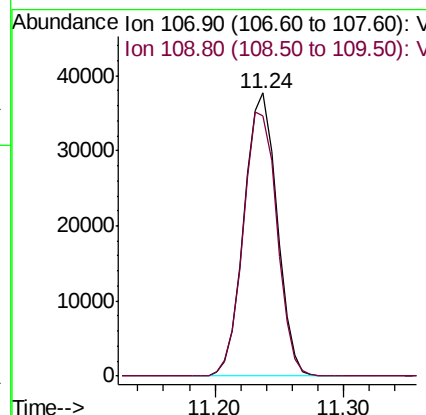
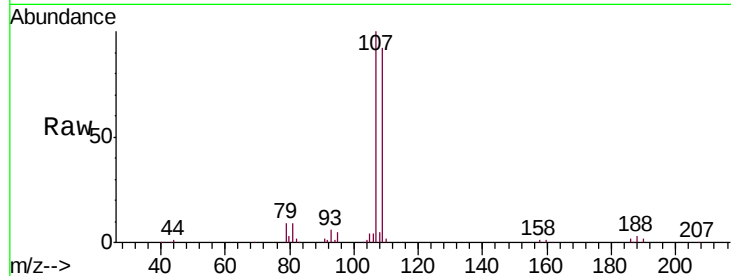




#61
 1,2-Dibromoethane
 Concen: 54.393 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

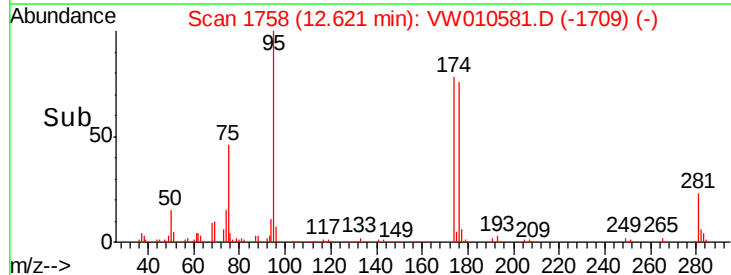
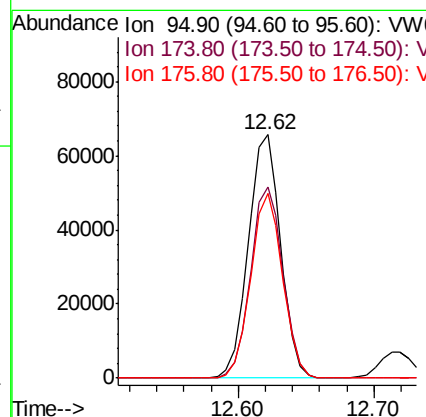
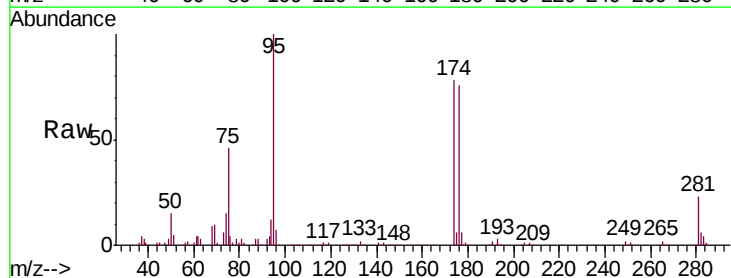
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

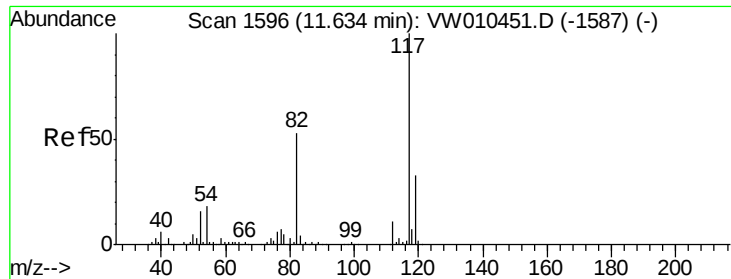
Tgt Ion: 107 Resp: 66599
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.469 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion: 95 Resp: 108913
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 148.6
 176 75.1 0.0 144.2

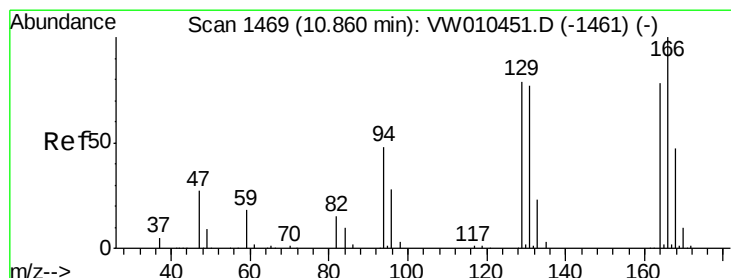
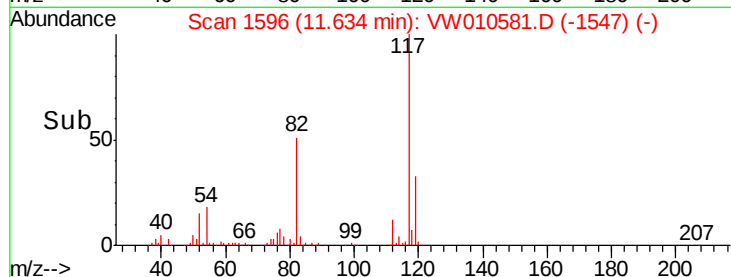
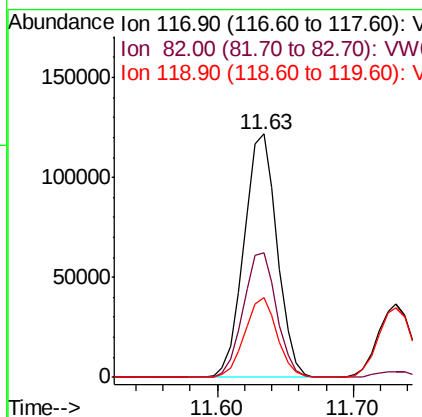
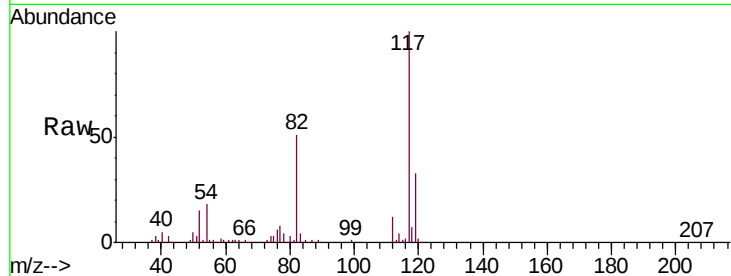




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

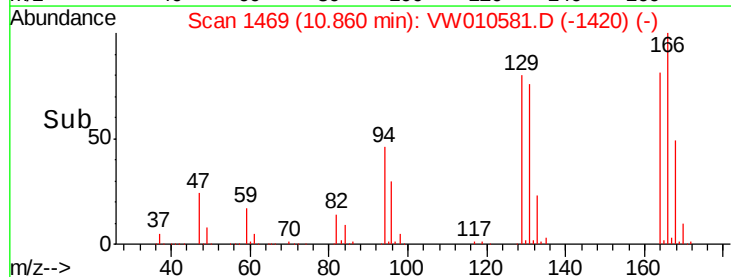
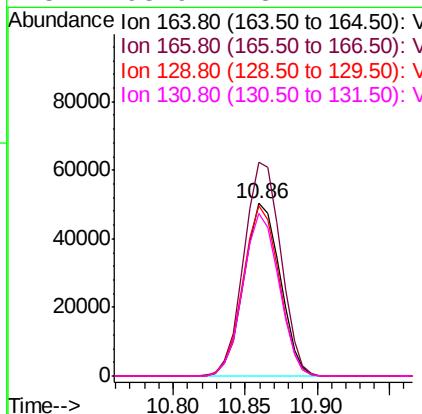
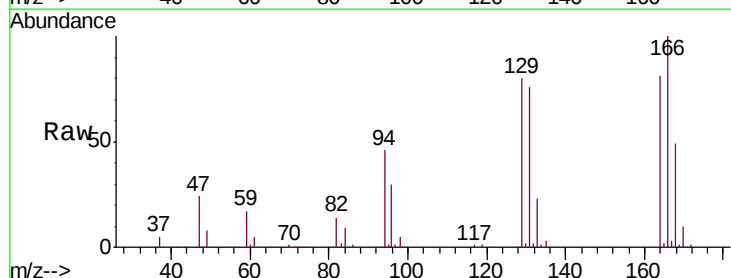
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

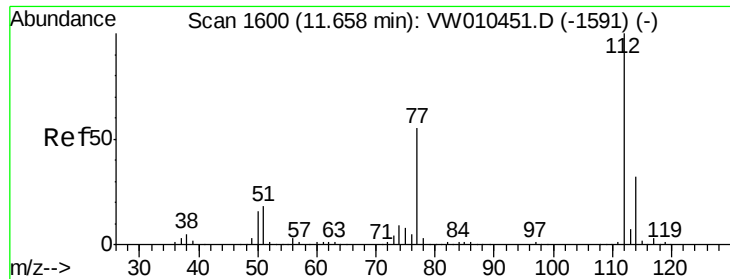
Tgt Ion:117 Resp: 207522
Ion Ratio Lower Upper
117 100
82 51.3 42.8 64.2
119 32.7 26.3 39.5



#64
Tetrachloroethene
Concen: 60.678 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion:164 Resp: 87778
Ion Ratio Lower Upper
164 100
166 123.6 101.9 152.9
129 98.8 80.6 121.0
131 93.9 78.2 117.2

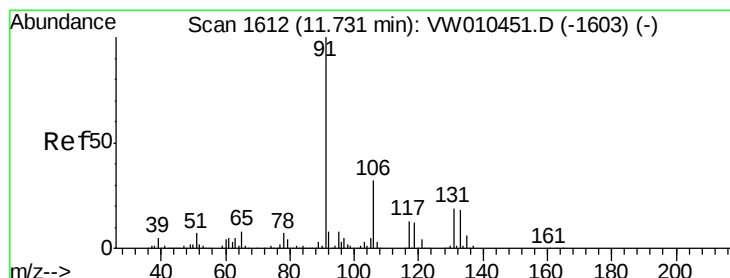
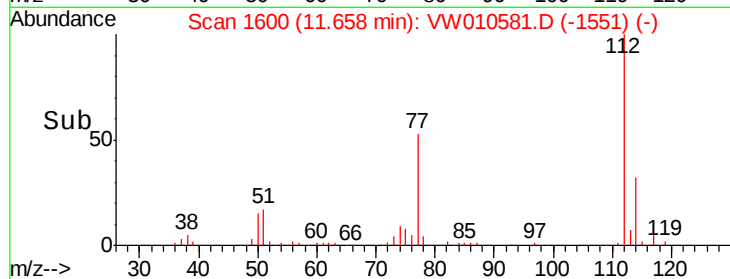
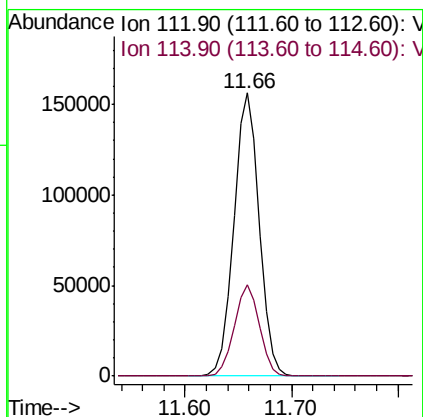
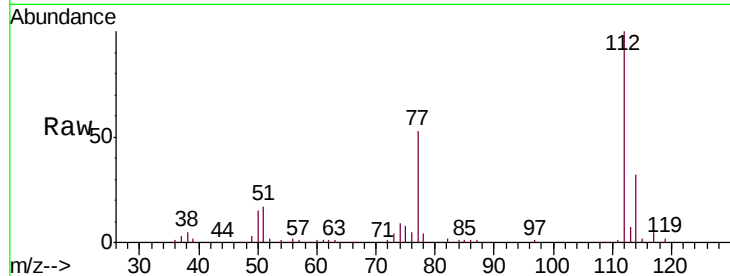




#65
Chlorobenzene
Concen: 58.684 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

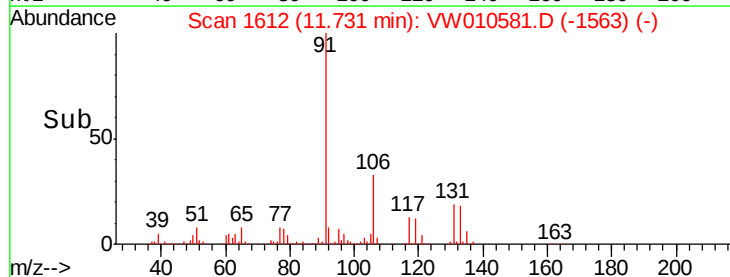
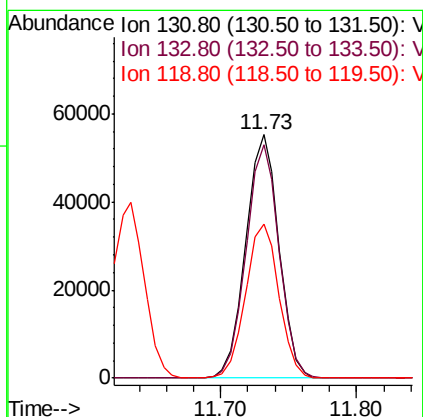
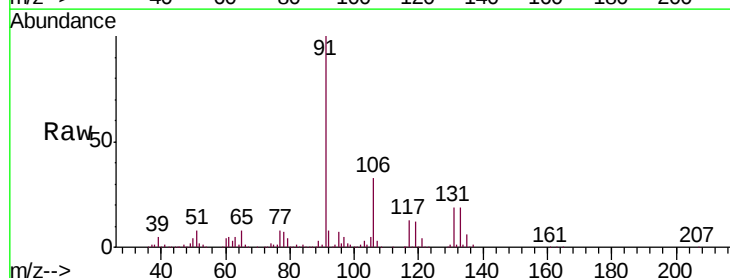
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

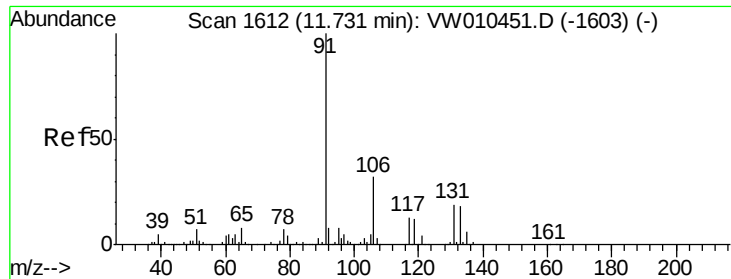
Tgt Ion:112 Resp: 259545
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 59.394 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion:131 Resp: 94101
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 63.8 32.1 96.5

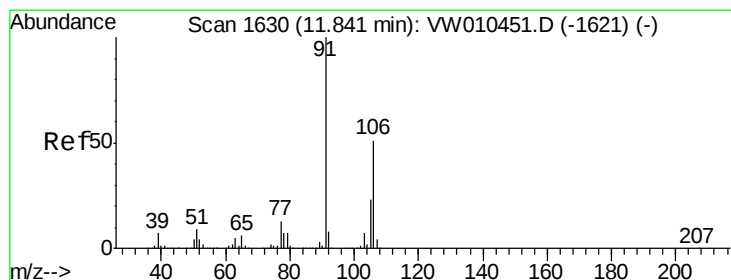
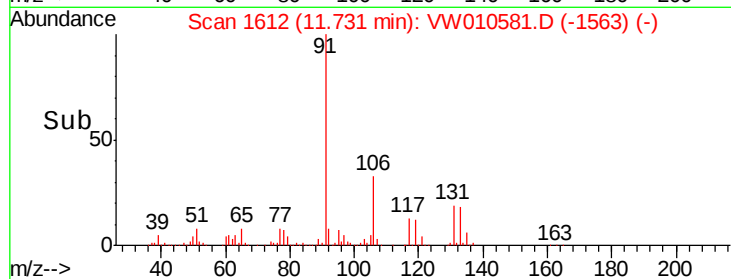
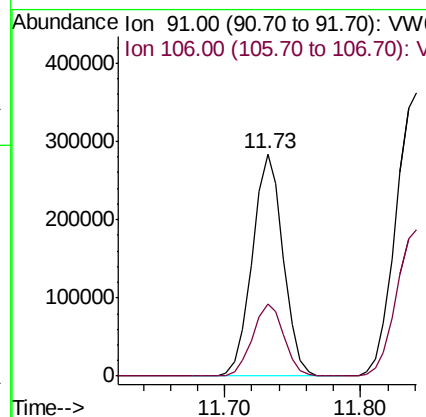
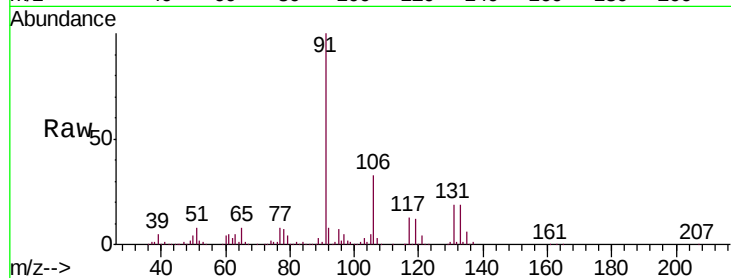




#67
Ethyl Benzene
Concen: 57.786 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

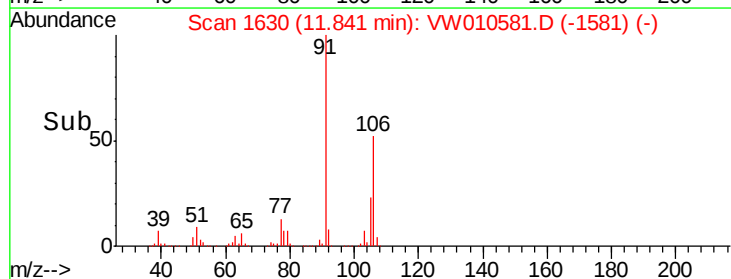
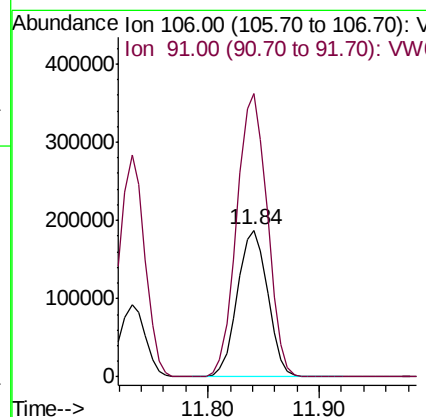
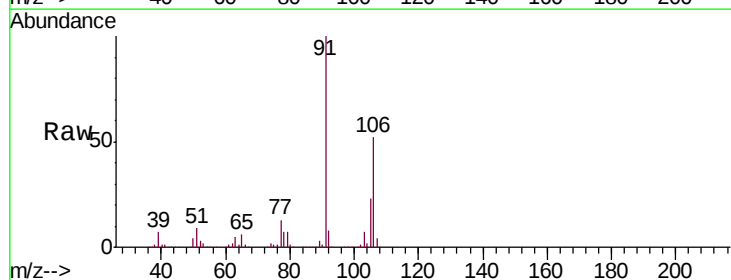
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

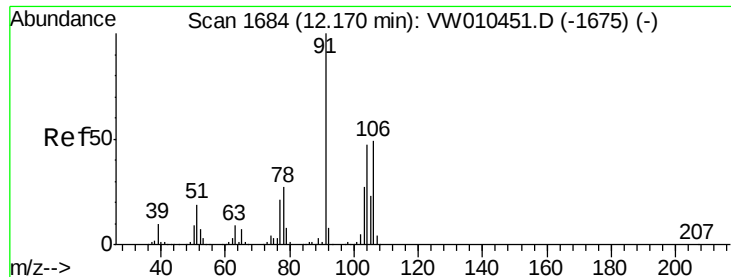
Tgt Ion: 91 Resp: 451230
Ion Ratio Lower Upper
91 100
106 32.8 25.9 38.9



#68
m/p-Xylenes
Concen: 115.441 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 106 Resp: 353570
Ion Ratio Lower Upper
106 100
91 194.3 156.0 234.0

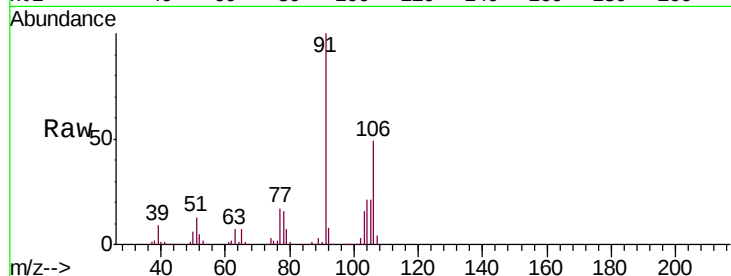




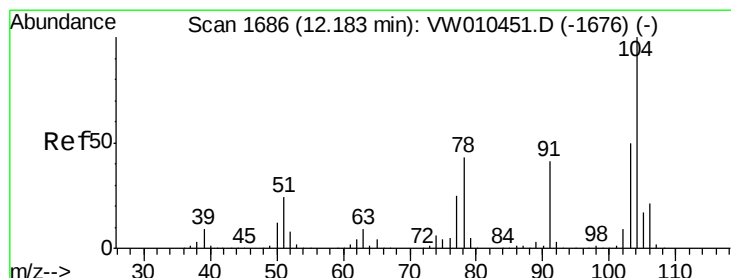
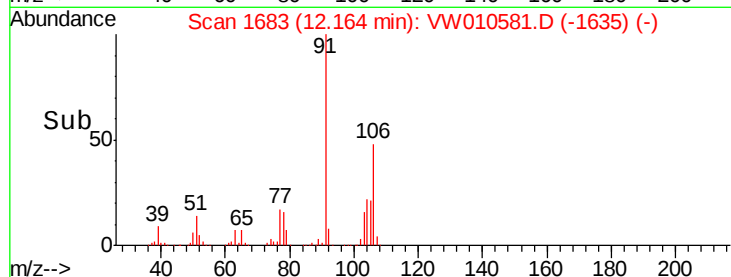
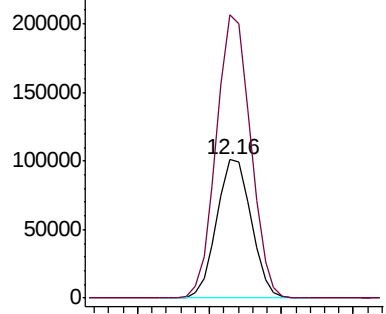
#69
o-Xylene
Concen: 57.741 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 167554
Ion Ratio Lower Upper
106 100
91 203.0 103.2 309.4

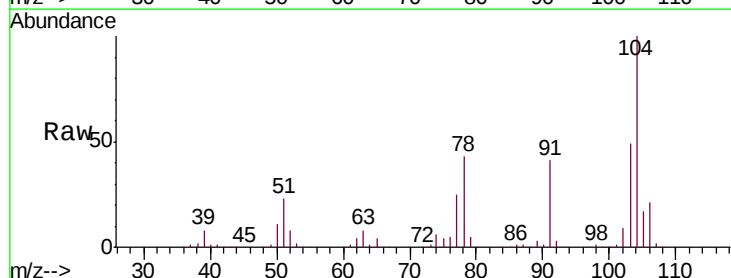


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

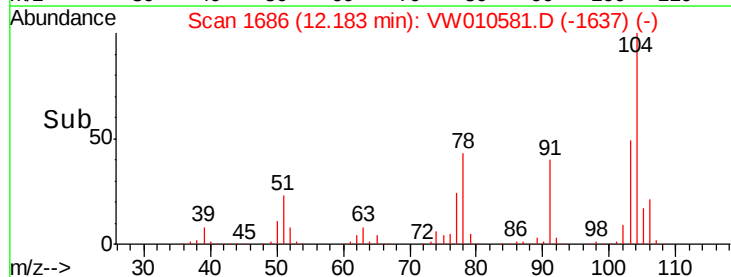
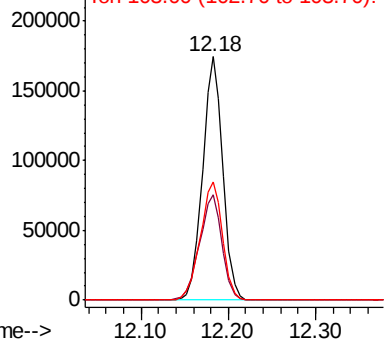


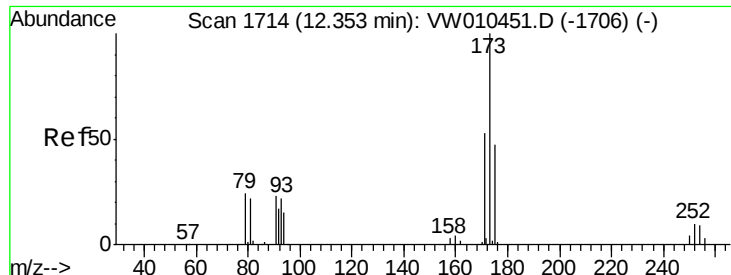
#70
Styrene
Concen: 56.899 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion:104 Resp: 280147
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.4
103 53.4 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.776 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

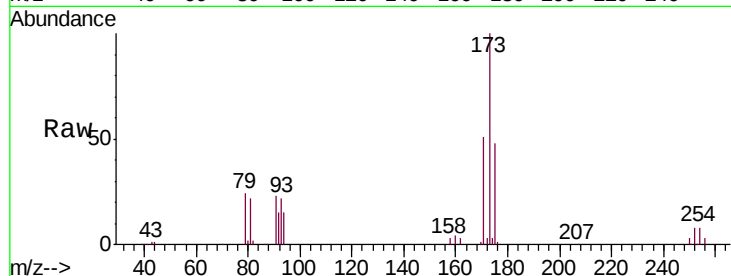
Tgt Ion:173 Resp: 47790

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.4

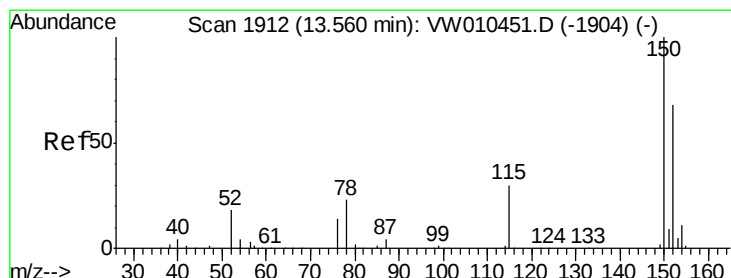
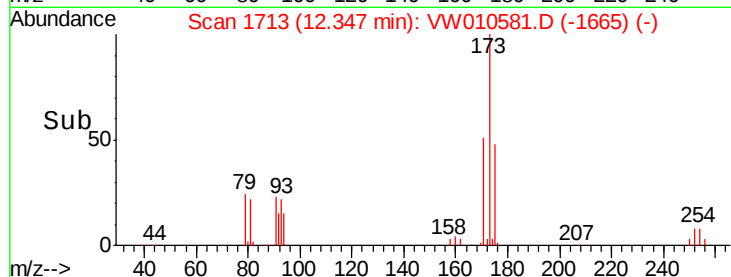
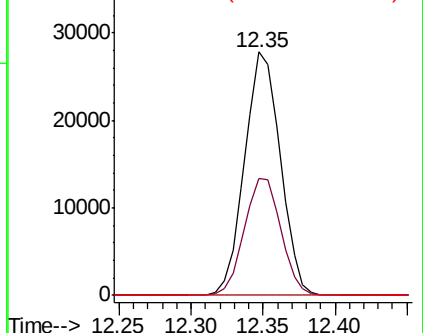
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

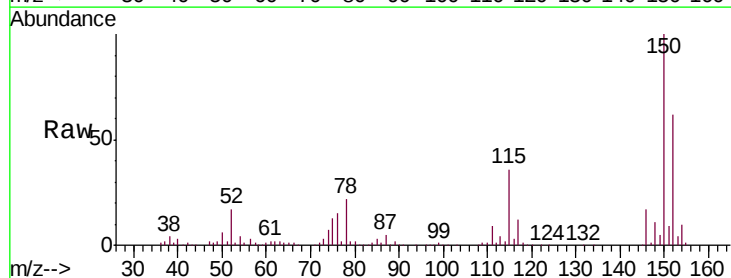
Tgt Ion:152 Resp: 99436

Ion Ratio Lower Upper

152 100

115 58.2 30.3 91.0

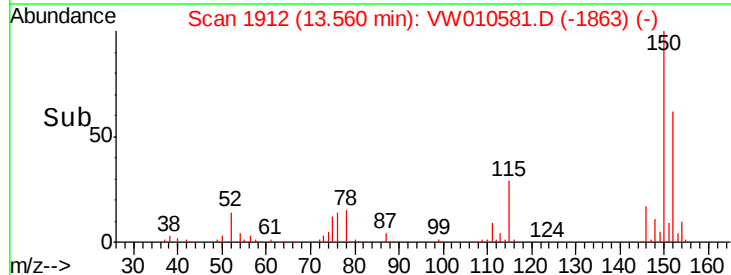
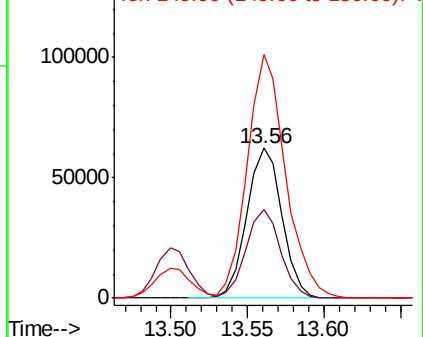
150 177.1 0.0 349.8

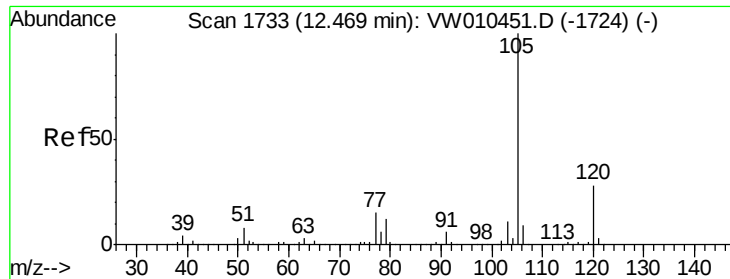


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.561 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

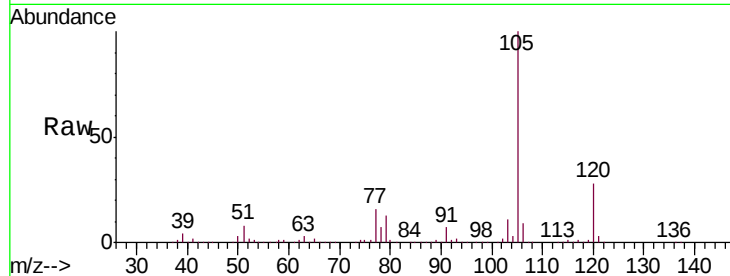
VSTDCCC050

Tgt Ion: 105 Resp: 462083

Ion Ratio Lower Upper

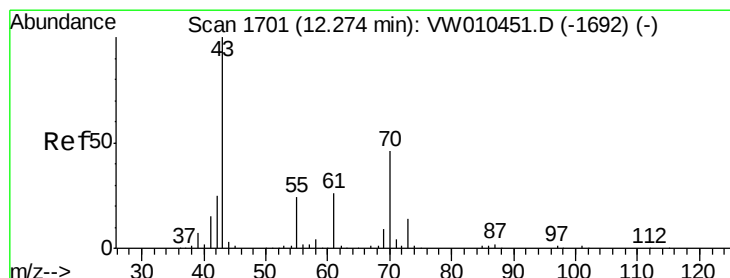
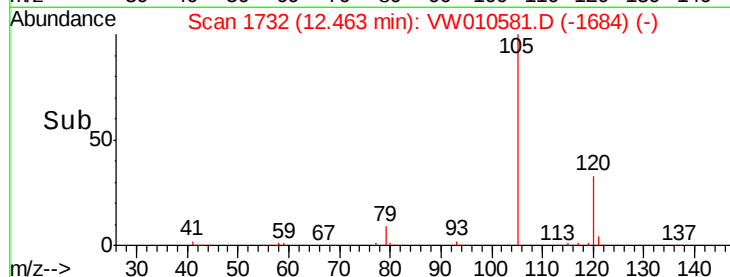
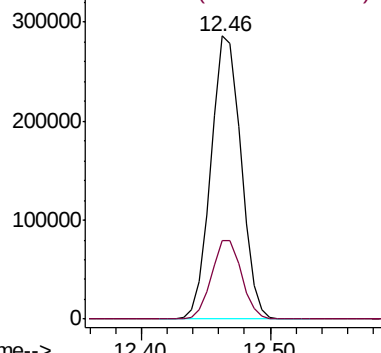
105 100

120 27.7 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.608 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Tgt Ion: 43 Resp: 82467

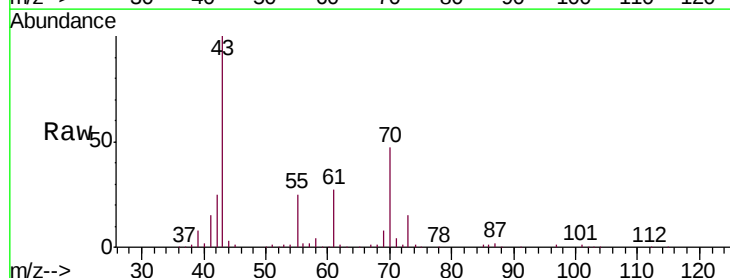
Ion Ratio Lower Upper

43 100

70 47.9 37.1 55.7

55 26.0 19.6 29.4

61 26.7 20.7 31.1

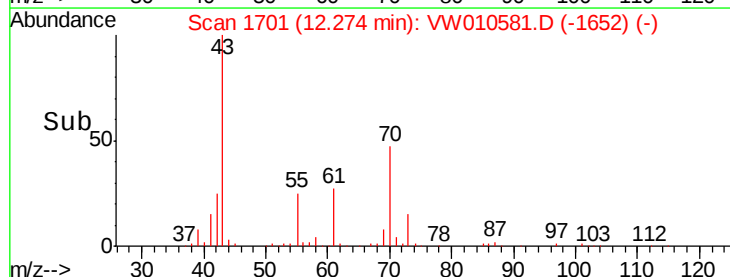
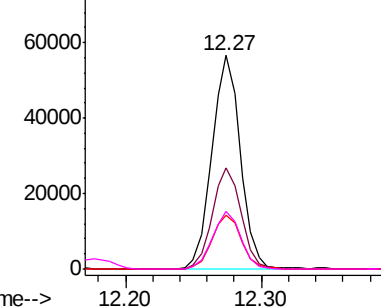


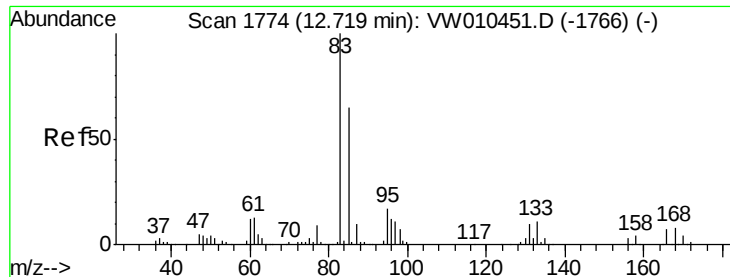
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 49.483 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

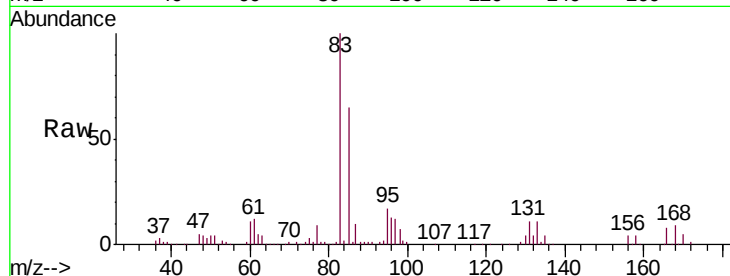
Tgt Ion: 83 Resp: 71018

Ion Ratio Lower Upper

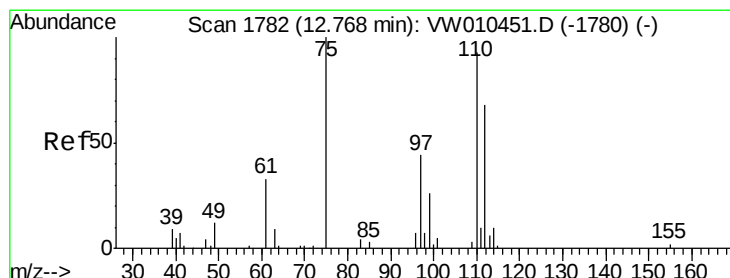
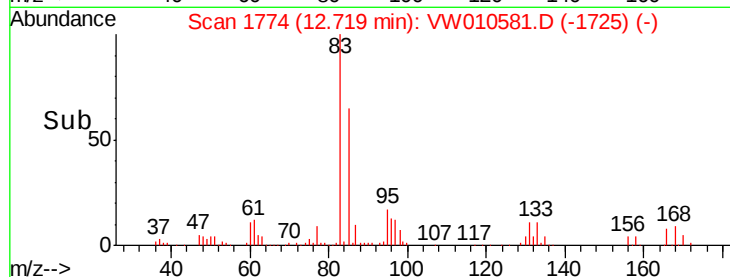
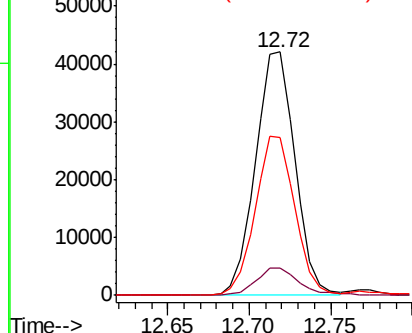
83 100

131 12.2 5.6 16.8

85 65.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 91.752 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010581.D

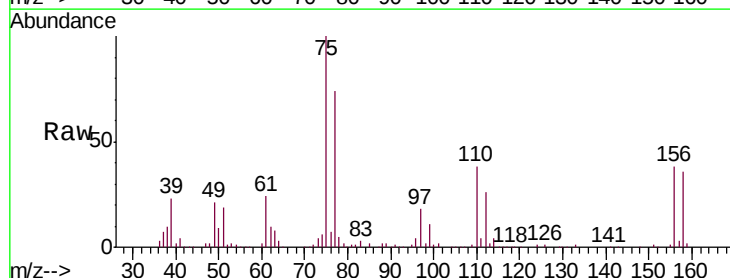
Acq: 29 May 2019 10:26

Tgt Ion: 75 Resp: 92609

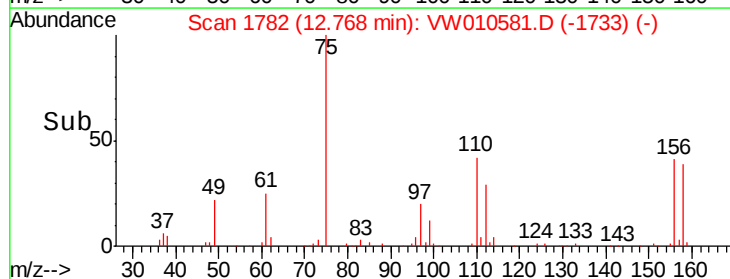
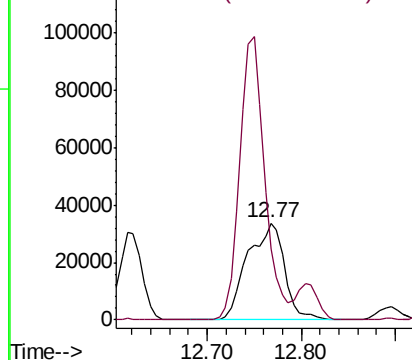
Ion Ratio Lower Upper

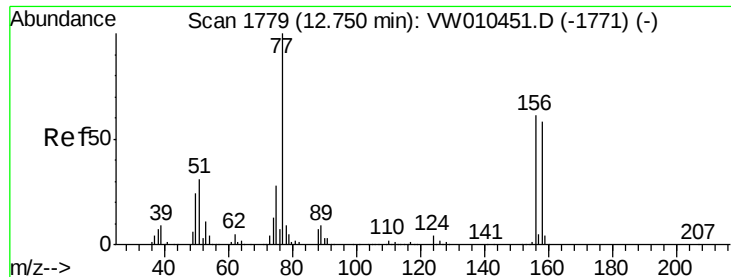
75 100

77 197.0 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 59.710 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

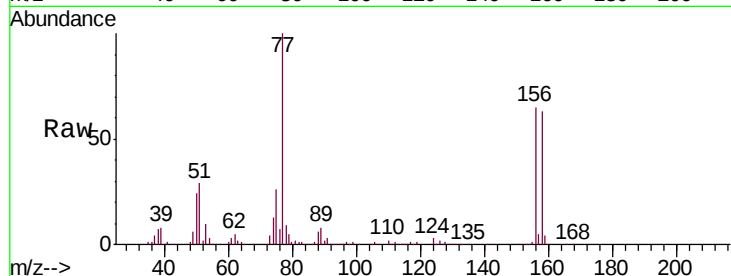
Tgt Ion:156 Resp: 105434

Ion Ratio Lower Upper

156 100

77 173.1 92.4 277.2

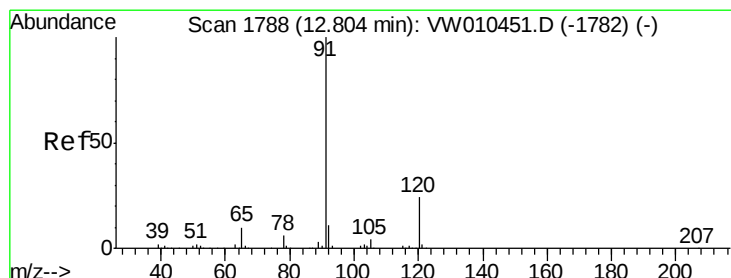
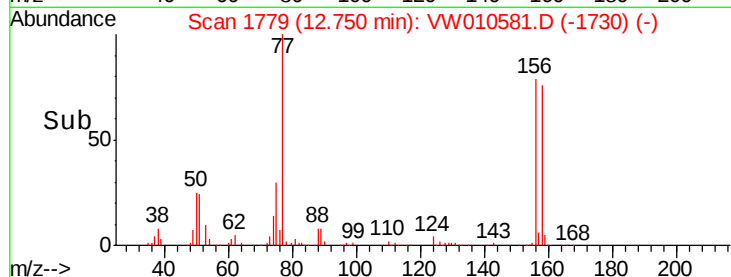
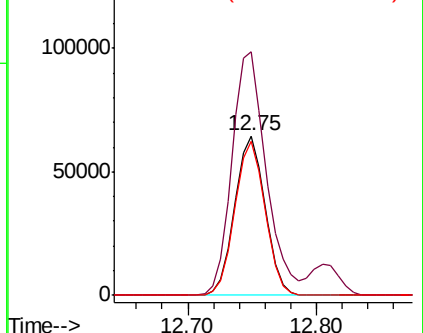
158 96.4 48.3 144.8



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: 57.252 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010581.D

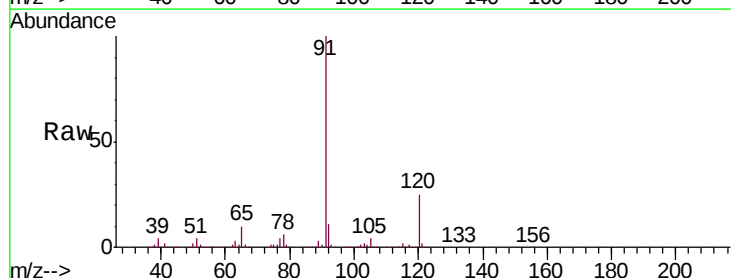
Acq: 29 May 2019 10:26

Tgt Ion: 91 Resp: 526461

Ion Ratio Lower Upper

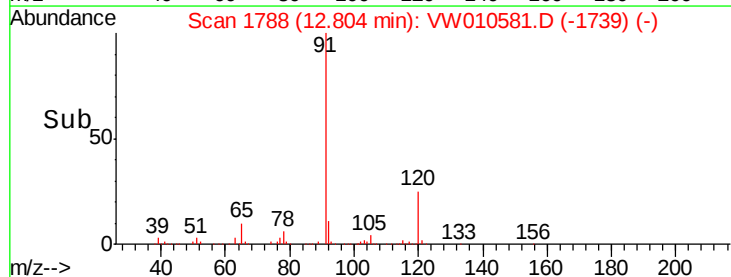
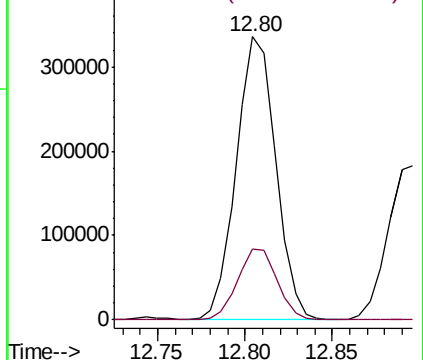
91 100

120 25.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

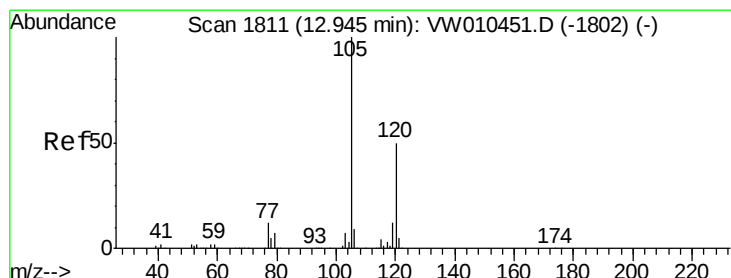
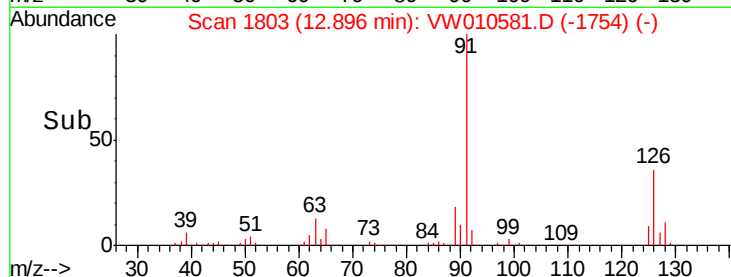
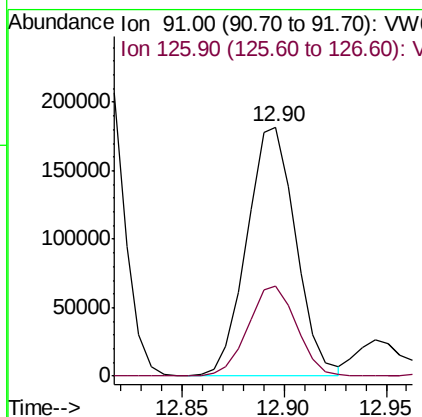
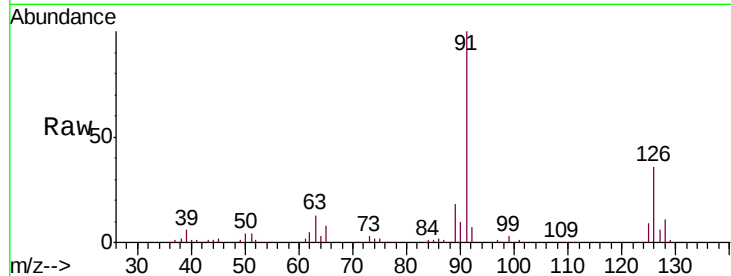




#79
2-Chlorotoluene
Concen: 56.784 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

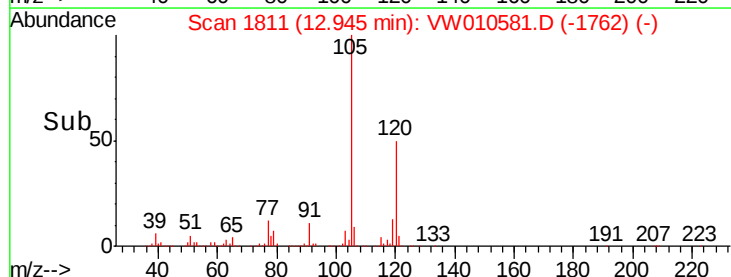
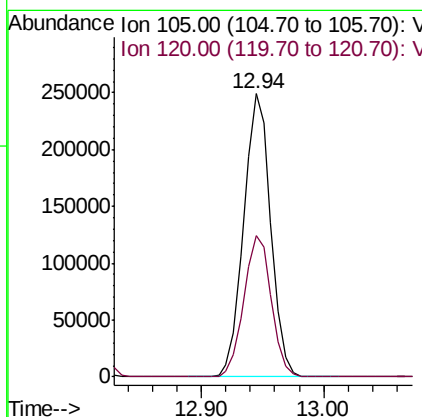
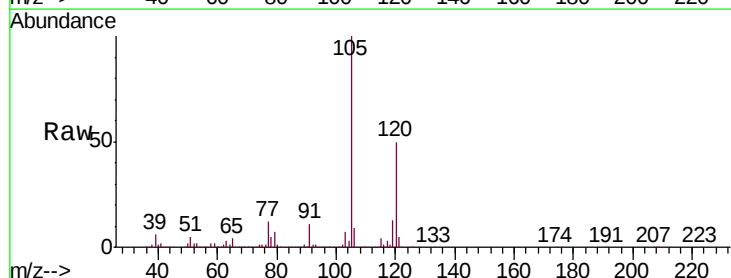
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

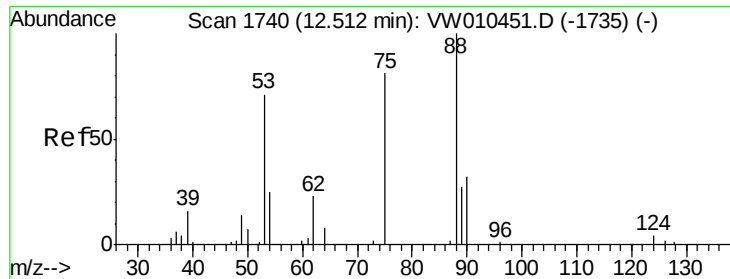
Tgt Ion: 91 Resp: 302807
Ion Ratio Lower Upper
91 100
126 35.9 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 56.892 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 105 Resp: 380200
Ion Ratio Lower Upper
105 100
120 50.8 25.2 75.6

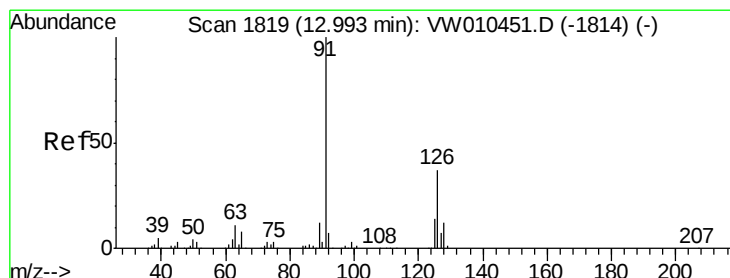
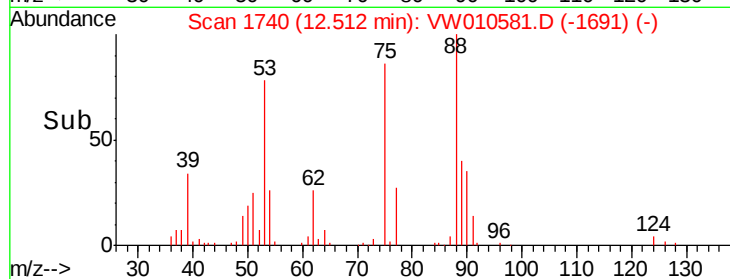
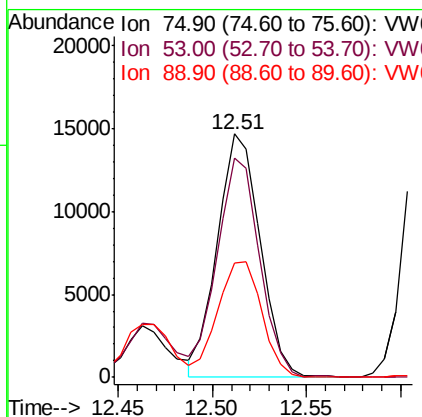
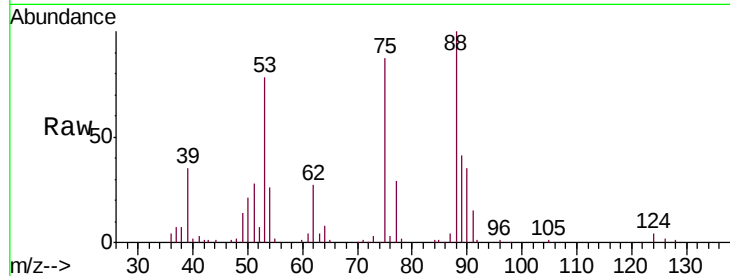




#81
trans-1,4-Dichloro-2-butene
Concen: 47.963 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

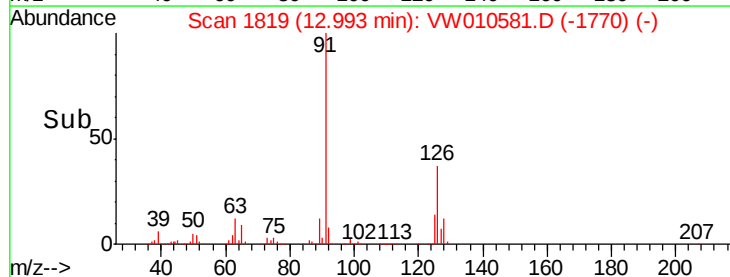
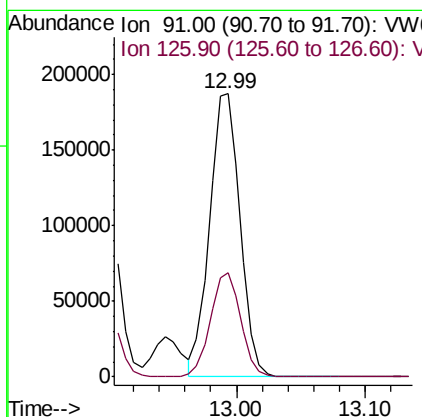
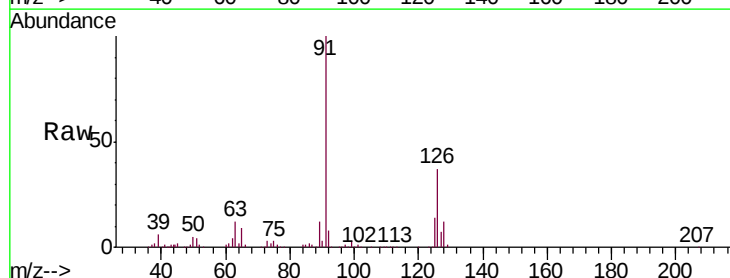
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

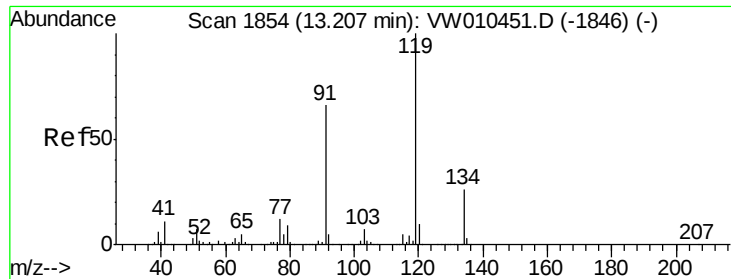
Tgt Ion: 75 Resp: 23196
Ion Ratio Lower Upper
75 100
53 89.3 69.8 104.8
89 49.1 39.5 59.3



#82
4-Chlorotoluene
Concen: 56.038 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 91 Resp: 310176
Ion Ratio Lower Upper
91 100
126 36.4 17.5 52.6

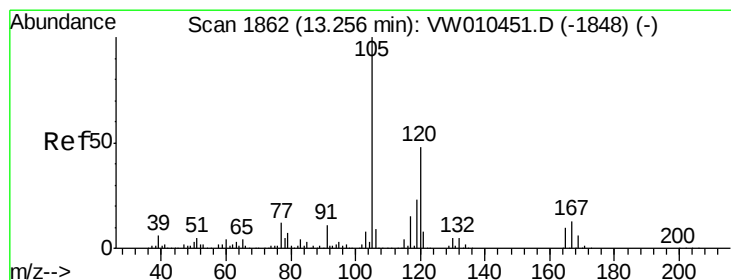
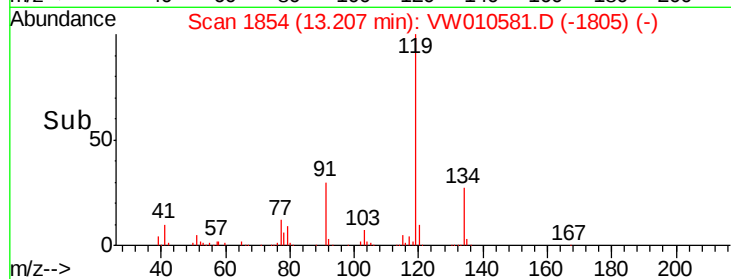
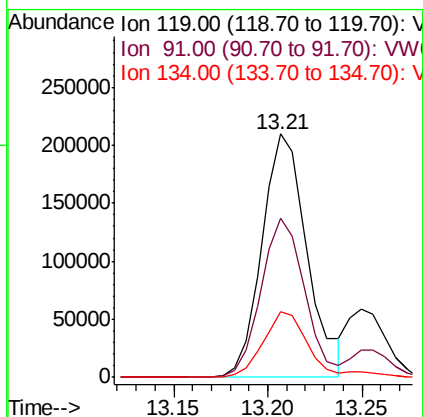
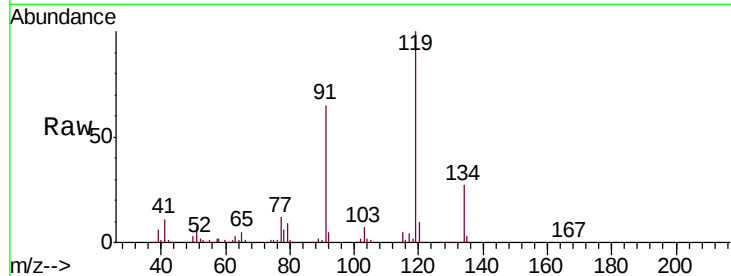




#83
 tert-Butylbenzene
 Concen: 59.689 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

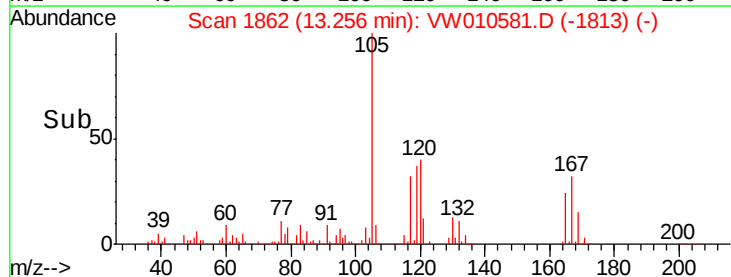
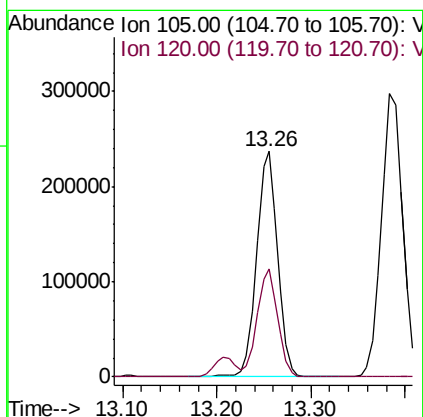
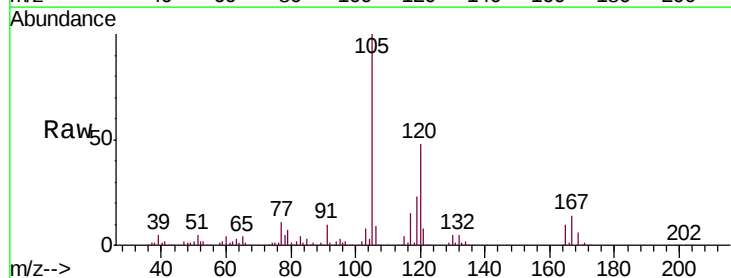
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

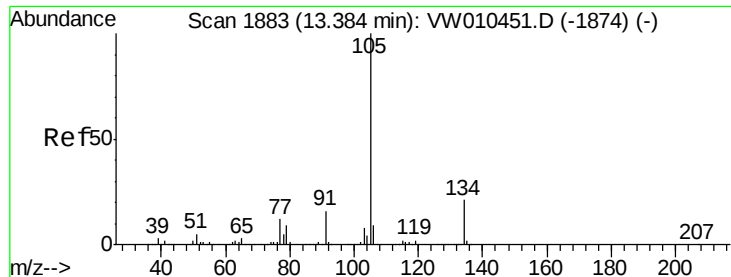
Tgt Ion:119 Resp: 348431
 Ion Ratio Lower Upper
 119 100
 91 63.1 33.1 99.5
 134 27.4 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 55.990 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion:105 Resp: 372667
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.2

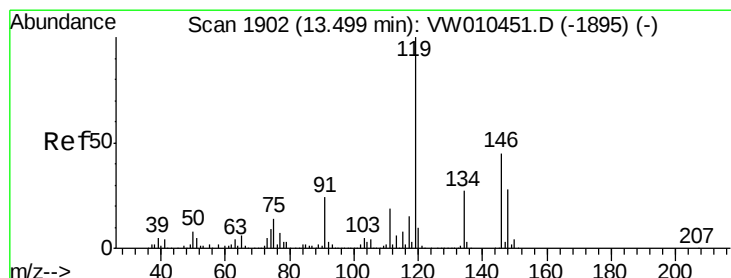
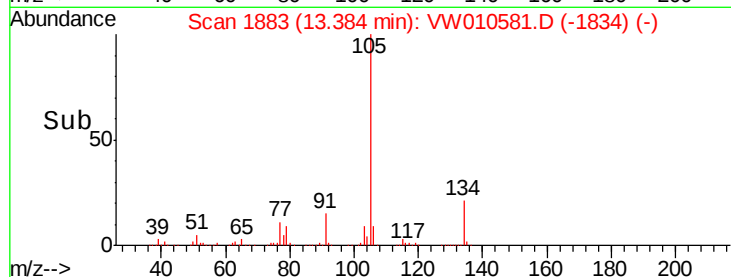
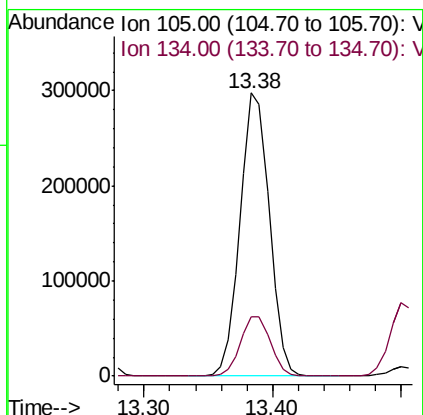
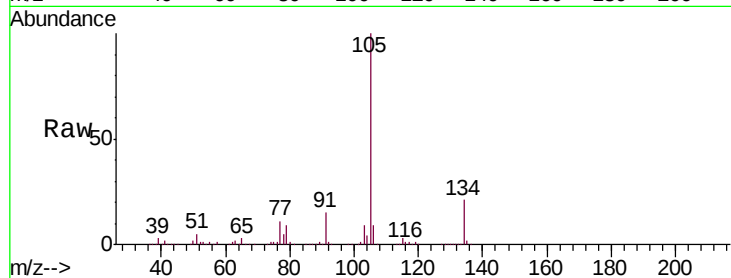




#85
 sec-Butylbenzene
 Concen: 57.253 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

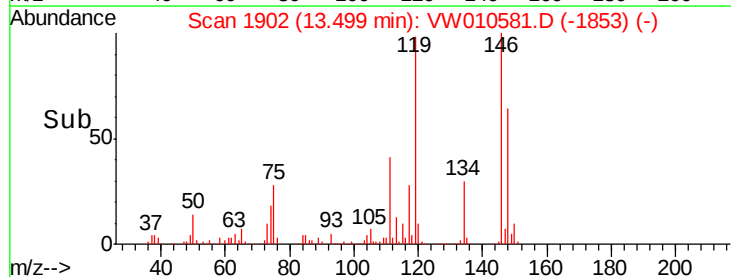
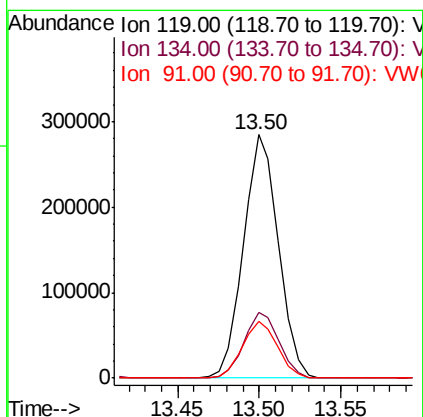
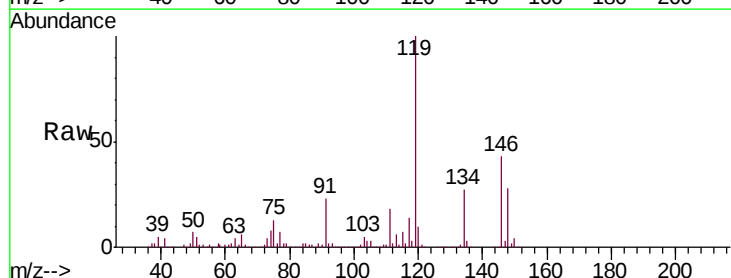
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

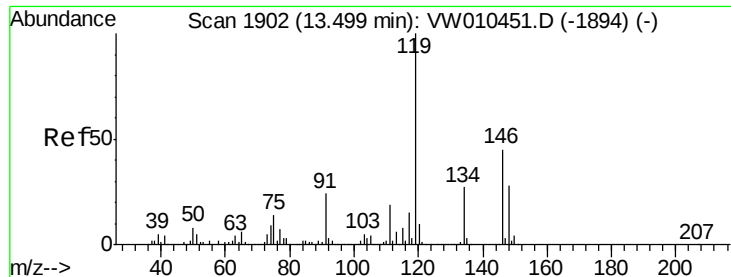
Tgt Ion:105 Resp: 467711
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 57.206 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion:119 Resp: 422994
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.7
 91 23.4 11.9 35.7

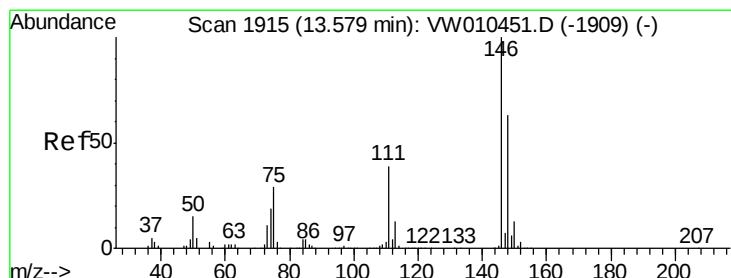
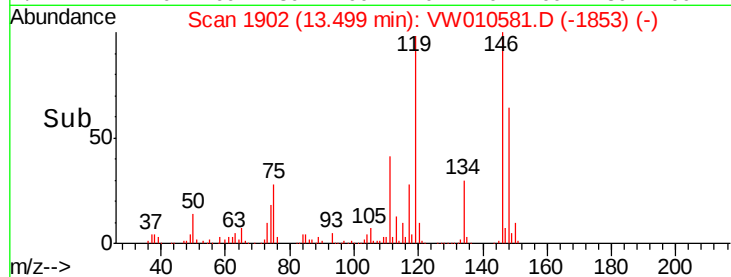
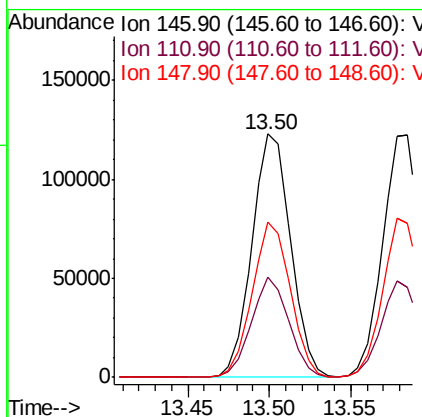
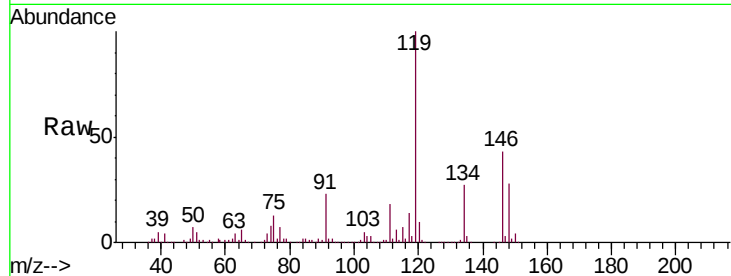




#87
 1,3-Dichlorobenzene
 Concen: 58.471 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

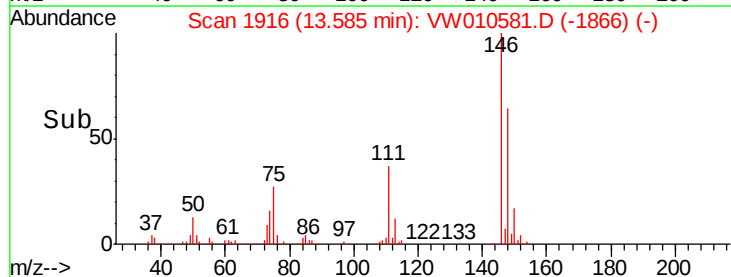
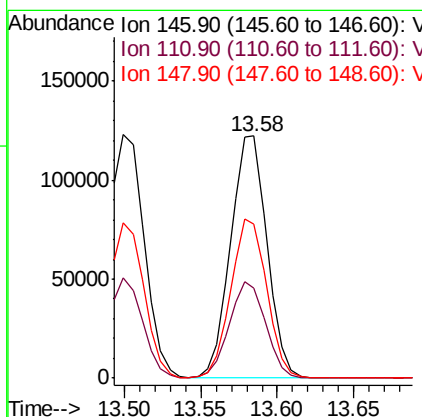
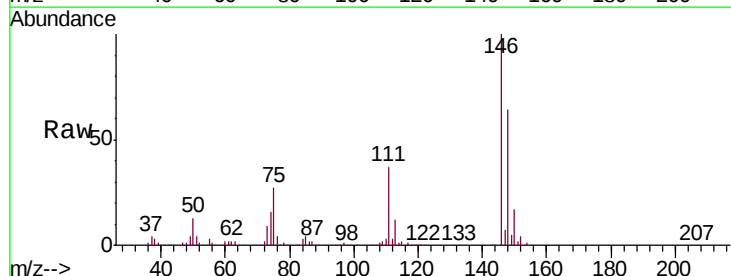
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

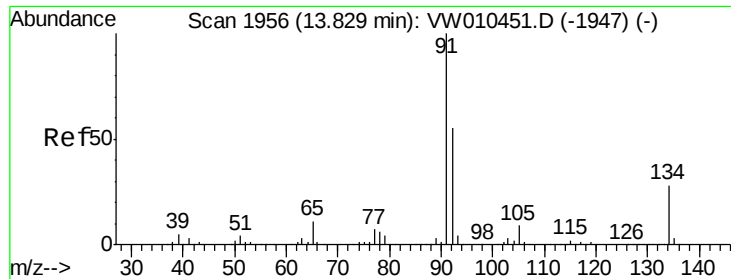
Tgt Ion:146 Resp: 202560
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.3 60.9
 148 62.7 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 57.955 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion:146 Resp: 201441
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.9 59.6
 148 64.7 31.6 94.8

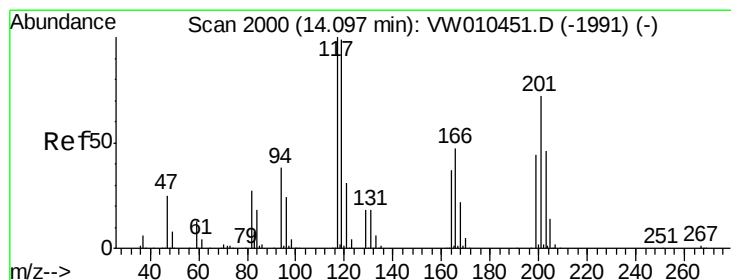
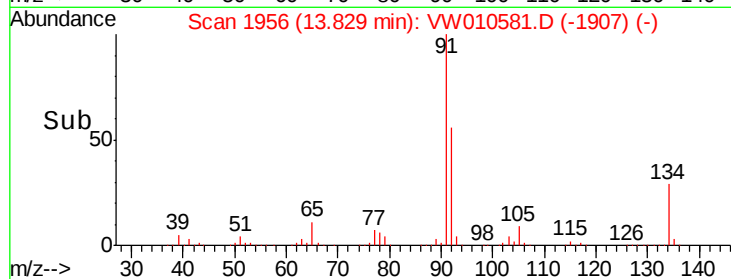
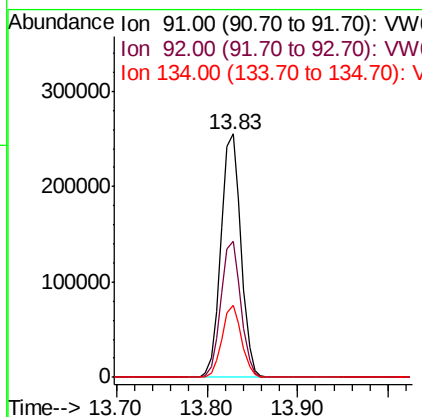
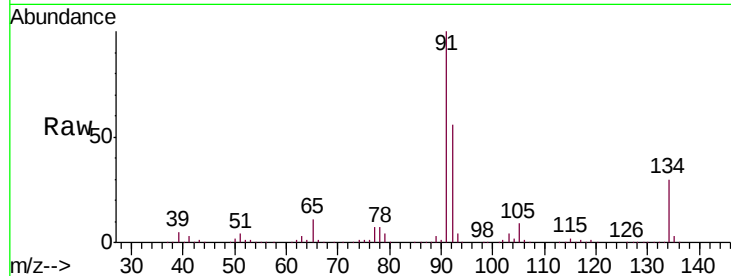




#89
n-Butylbenzene
Concen: 55.725 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

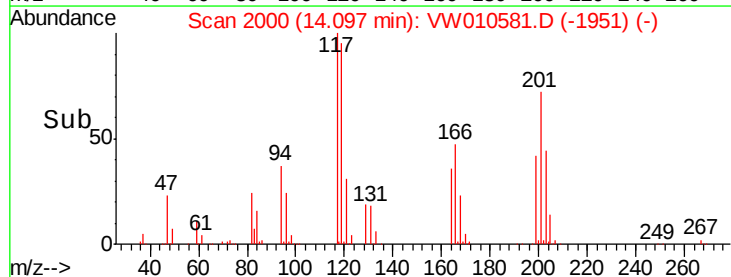
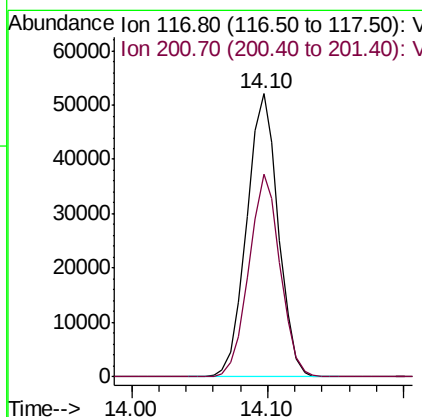
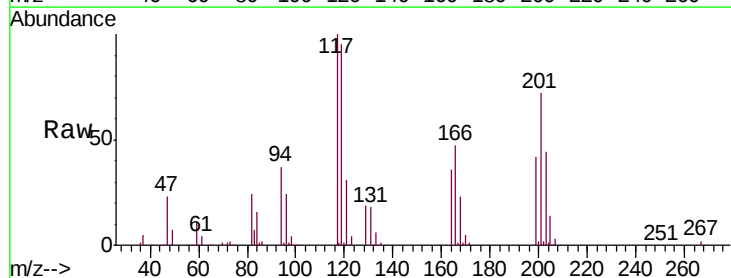
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MSVOA_W
ClientSampleId :
VSTDCCC050

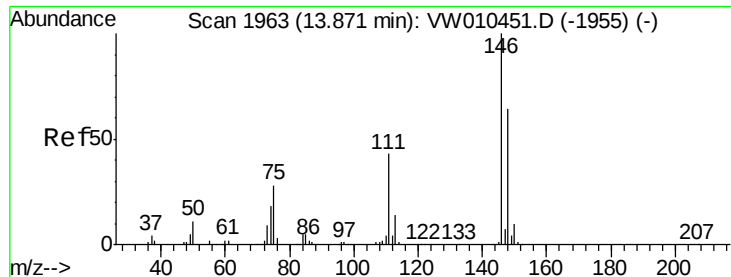
Tgt Ion: 91 Resp: 391927
Ion Ratio Lower Upper
91 100
92 55.7 27.7 83.1
134 28.7 13.9 41.6



#90
Hexachloroethane
Concen: 59.067 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 117 Resp: 84538
Ion Ratio Lower Upper
117 100
201 71.1 34.6 103.8

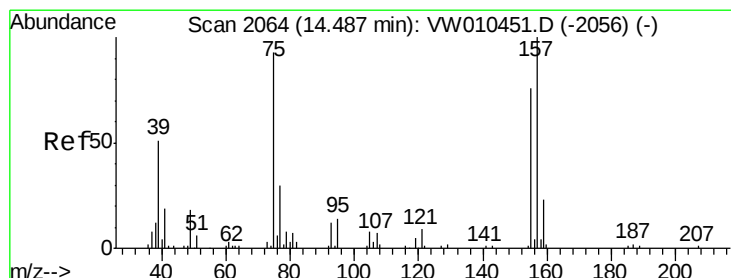
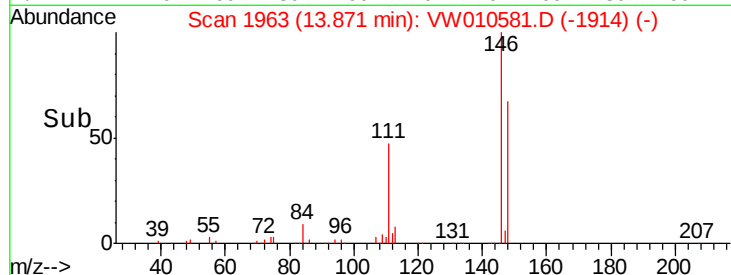
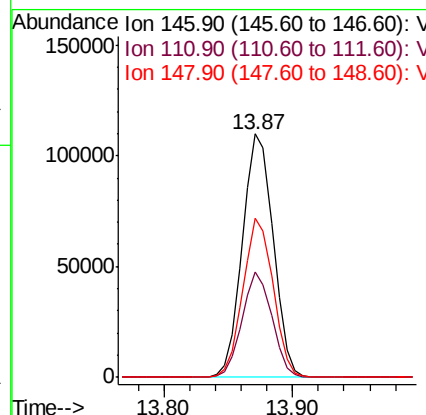
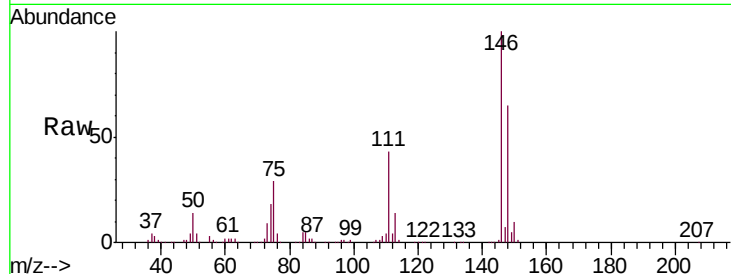




#91
 1,2-Dichlorobenzene
 Concen: 57.508 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

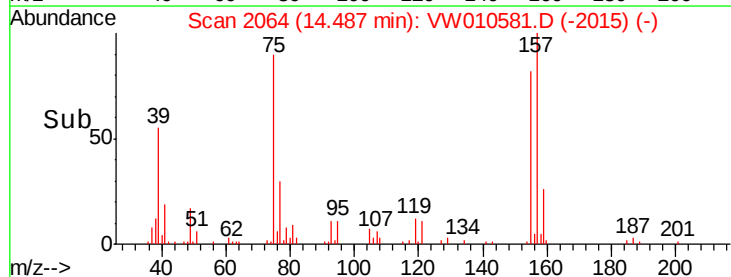
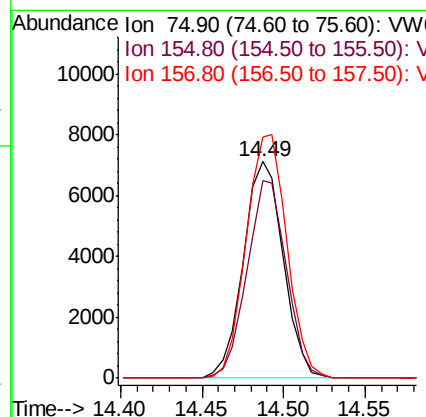
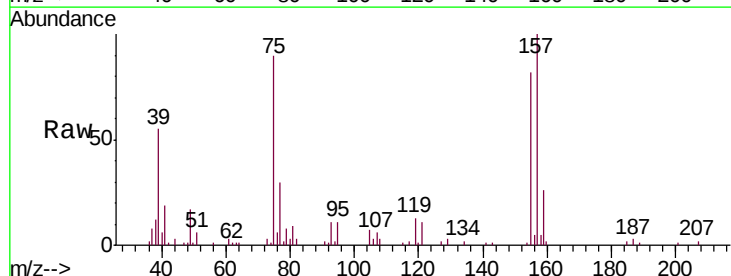
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

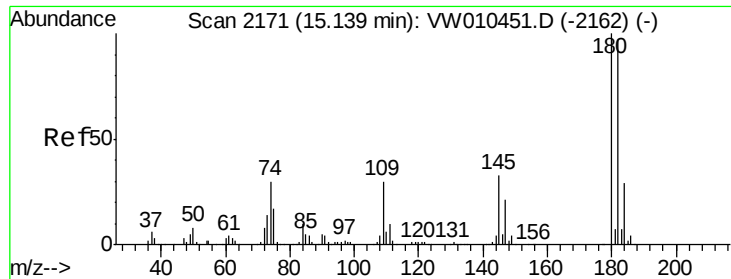
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	64.0
148	63.9	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.544 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	43.0	129.0
157	114.8	55.7	167.1

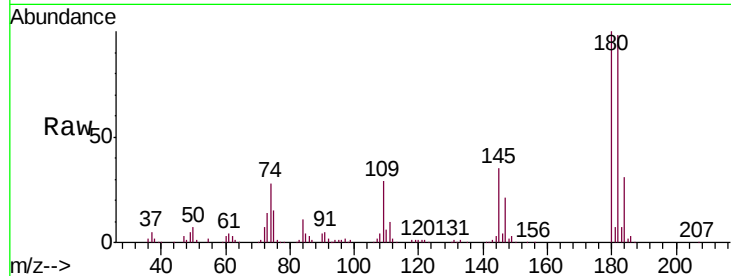




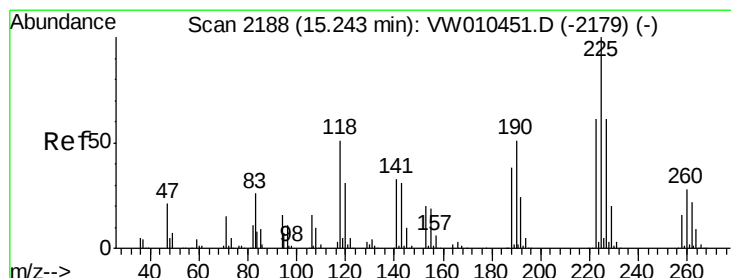
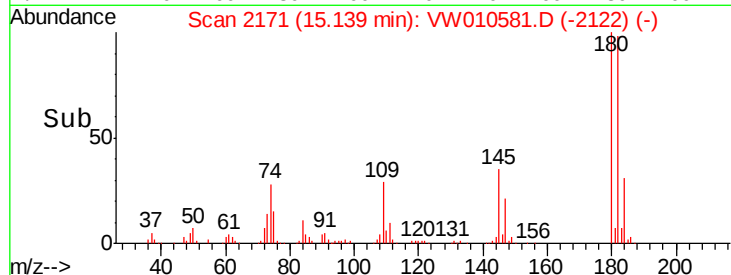
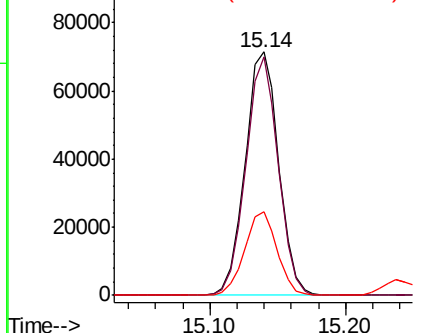
#93
 1,2,4-Trichlorobenzene
 Concen: 57.244 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 122943
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.0 141.2
 145 33.6 16.7 50.0

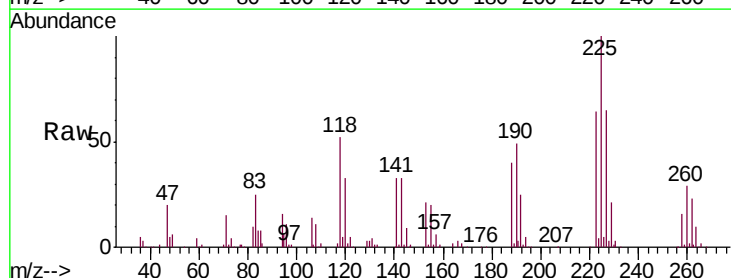


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

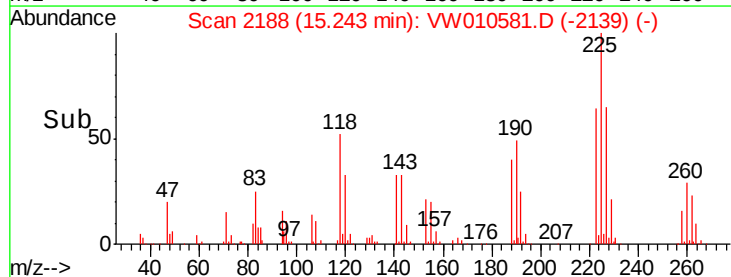
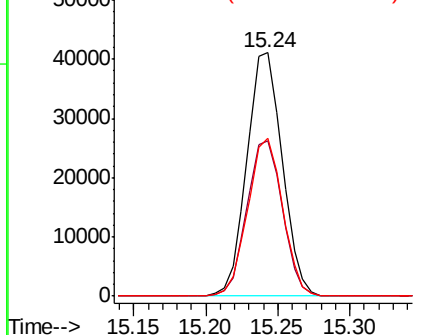


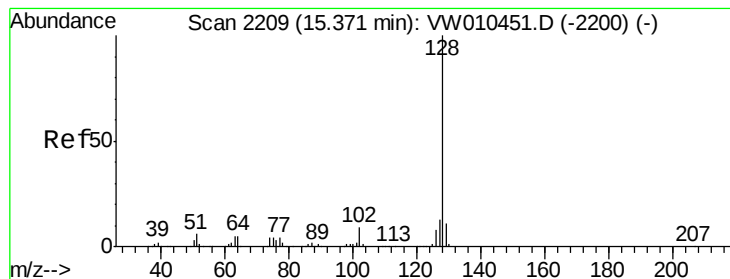
#94
 Hexachlorobutadiene
 Concen: 60.874 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion:225 Resp: 69843
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.1 93.2
 227 63.9 31.1 93.5



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





#95

Naphthalene

Concen: 49.141 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

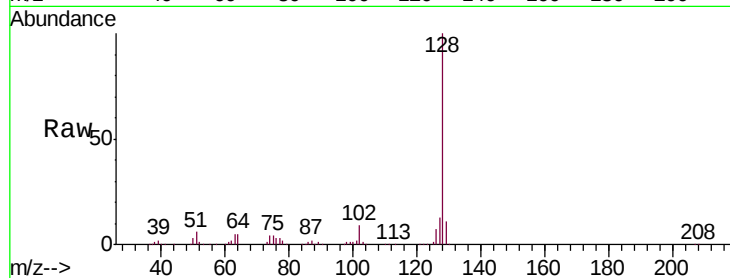
Tgt Ion:128 Resp: 221543

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

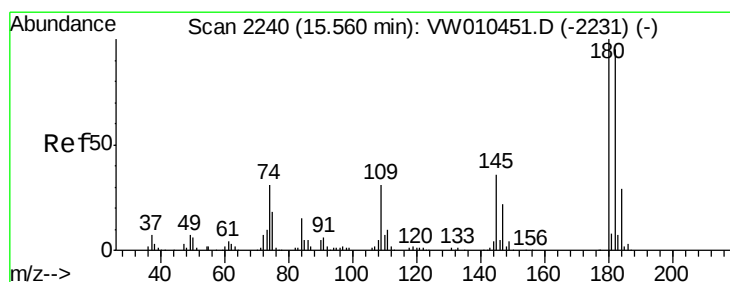
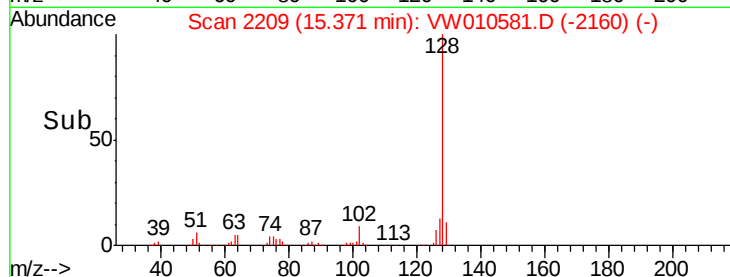
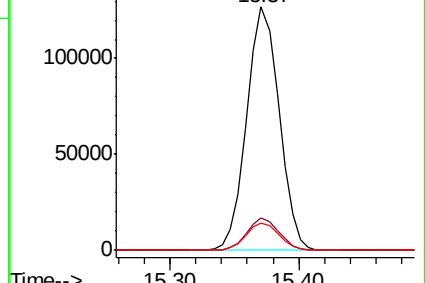
129 11.4 8.9 13.3



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: 56.130 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

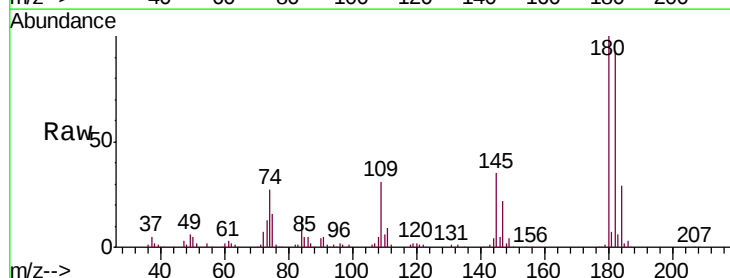
Tgt Ion:180 Resp: 103728

Ion Ratio Lower Upper

180 100

182 94.6 47.1 141.3

145 35.0 17.4 52.3



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

