

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051619\
 Data File : VW010412.D
 Acq On : 16 May 2019 20:02
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: May 17 08:56:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 08:39:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1036534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1786437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1651062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	803975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	572736	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
35) Dibromofluoromethane	7.88	113	565692	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	10.32	98	2174136	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.62	95	849097	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	289960	35.906	ug/l	100
3) Chloromethane	2.21	50	391436	38.120	ug/l	100
4) Vinyl Chloride	2.37	62	538812	41.840	ug/l	100
5) Bromomethane	2.77	94	355100	46.804	ug/l	100
6) Chloroethane	2.92	64	324016	43.456	ug/l	100
7) Trichlorofluoromethane	3.24	101	309406	47.166	ug/l	100
8) Diethyl Ether	3.67	74	267206	46.427	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	465922	43.752	ug/l	100
10) Methyl Iodide	4.27	142	760628	49.423	ug/l	100
11) Tert butyl alcohol	5.18	59	228074	284.048	ug/l	100
12) 1,1-Dichloroethene	4.03	96	490982	44.121	ug/l	100
13) Acrolein	3.89	56	118826	127.592	ug/l	100
14) Allyl chloride	4.65	41	627027	38.737	ug/l	100
15) Acrylonitrile	5.36	53	625913	201.831	ug/l	100
16) Acetone	4.12	43	524998	193.839	ug/l	100
17) Carbon Disulfide	4.38	76	1327515	40.143	ug/l	100
18) Methyl Acetate	4.67	43	296418	42.660	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	722947	53.223	ug/l	100
20) Methylene Chloride	4.91	84	514785	43.298	ug/l	100
21) trans-1,2-Dichloroethene	5.41	96	560008	46.520	ug/l	100
22) Diisopropyl ether	6.31	45	1554943	48.000	ug/l	100
23) Vinyl Acetate	6.25	43	5537817	248.779	ug/l	100
24) 1,1-Dichloroethane	6.21	63	957795	44.220	ug/l	100
25) 2-Butanone	7.17	43	971862	226.758	ug/l	100
26) 2,2-Dichloropropane	7.16	77	479549	44.521	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	648098	51.417	ug/l	100
28) Bromochloromethane	7.51	49	433267	52.343	ug/l	100
29) Tetrahydrofuran	7.52	42	644158	231.247	ug/l	100
30) Chloroform	7.67	83	1002939	48.658	ug/l	100
31) Cyclohexane	7.95	56	856017	39.151	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	771836	48.346	ug/l	100
36) 1,1-Dichloropropene	8.07	75	767643	40.999	ug/l	100
37) Ethyl Acetate	7.25	43	425166	42.616	ug/l	100
38) Carbon Tetrachloride	8.06	117	790241	47.855	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1007630	43.775	ug/l	100
40) Benzene	8.32	78	2245660	43.319	ug/l	100
41) Methacrylonitrile	7.48	41	250866	44.745	ug/l	100
42) 1,2-Dichloroethane	8.40	62	670279	44.897	ug/l	100
43) Isopropyl Acetate	8.42	43	853164	50.065	ug/l	100
44) Trichloroethene	9.09	130	644008	48.632	ug/l	100
45) 1,2-Dichloropropane	9.37	63	568052	44.003	ug/l	100
46) Dibromomethane	9.46	93	331481	48.740	ug/l	100
47) Bromodichloromethane	9.64	83	820060	50.039	ug/l	100
48) Methyl methacrylate	9.43	41	380335	47.918	ug/l	100
49) 1,4-Dioxane	9.45	88	120113	1018.244	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	2198875	230.141	ug/l	100
52) Toluene	10.38	92	1510884	47.156	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	865092	52.114	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	969416	49.650	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	483703	49.826	ug/l	100
56) Ethyl methacrylate	10.65	69	700202	54.424	ug/l	100
57) 1,3-Dichloropropane	10.93	76	810893	47.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1610697	261.130	ug/l	100
59) 2-Hexanone	10.97	43	1574689	233.429	ug/l	100
60) Dibromochloromethane	11.13	129	603920	56.478	ug/l	100
61) 1,2-Dibromoethane	11.23	107	488269	52.100	ug/l	100
64) Tetrachloroethene	10.86	164	540026	47.154	ug/l	100
65) Chlorobenzene	11.66	112	1659341	48.640	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	608381	52.094	ug/l	100
67) Ethyl Benzene	11.73	91	2909897	47.039	ug/l	100
68) m/p-Xylenes	11.84	106	2293961	98.926	ug/l	100
69) o-Xylene	12.16	106	1106240	52.231	ug/l	100
70) Styrene	12.18	104	1940325	52.655	ug/l	100
71) Bromoform	12.35	173	373464	55.275	ug/l	100
73) Isopropylbenzene	12.46	105	2936942	50.398	ug/l	100
74) N-amyl acetate	12.27	43	863443	56.093	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	600067	46.907	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	411297m	44.706	ug/l	
77) Bromobenzene	12.75	156	691712	51.787	ug/l	100
78) n-propylbenzene	12.80	91	3426445	48.056	ug/l	100
79) 2-Chlorotoluene	12.90	91	2010490	48.991	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	2515376	51.049	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	214881	51.607	ug/l	100
82) 4-Chlorotoluene	12.99	91	2098069	48.841	ug/l	100
83) tert-Butylbenzene	13.21	119	2138518	51.841	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	2520399	51.371	ug/l	100
85) sec-Butylbenzene	13.38	105	3011616	49.899	ug/l	100
86) p-Isopropyltoluene	13.50	119	2742308	51.067	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1315075	49.754	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1327256	50.360	ug/l	100
89) n-Butylbenzene	13.83	91	2619290	49.002	ug/l	100
90) Hexachloroethane	14.10	117	551651	54.136	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	1214542	51.496	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	115066	49.417	ug/l	100

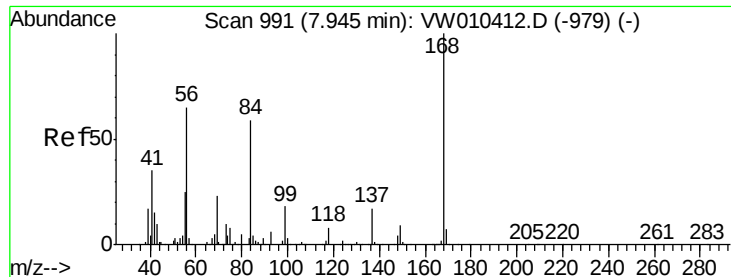
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	844753	52.711	ug/l	100
94) Hexachlorobutadiene	15.24	225	433178	43.538	ug/l	100
95) Naphthalene	15.37	128	1959888	58.742	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	766831	52.812	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

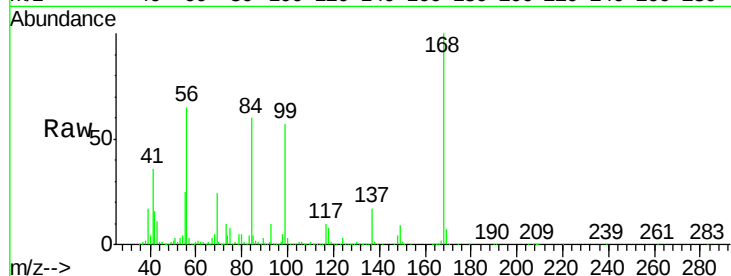
VSTDICCC050

Tot Ion:168 Resp: 1036534

Ion Ratio Lower Upper

168 100

99 57.0 45.6 68.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

500000

400000

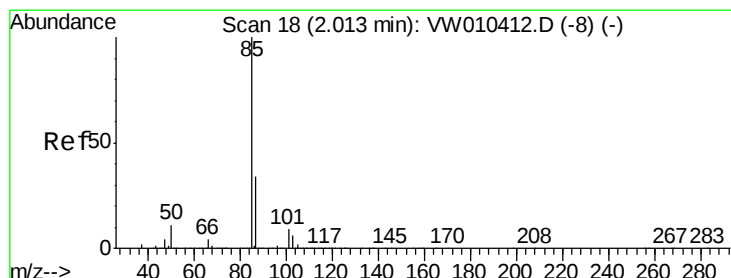
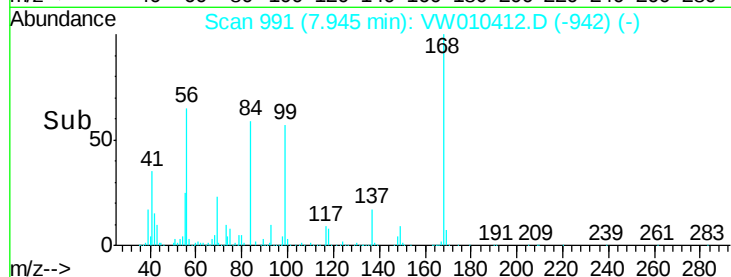
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 35.906 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010412.D

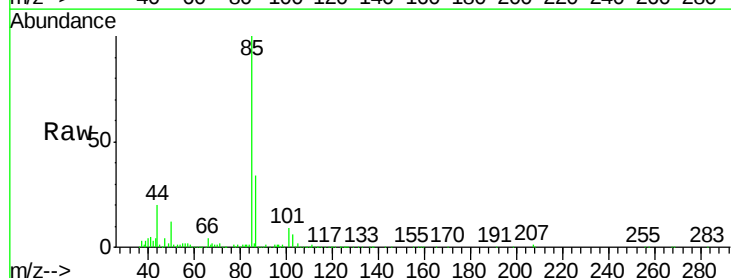
Acq: 16 May 2019 20:02

Tgt Ion: 85 Resp: 289960

Ion Ratio Lower Upper

85 100

87 33.8 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

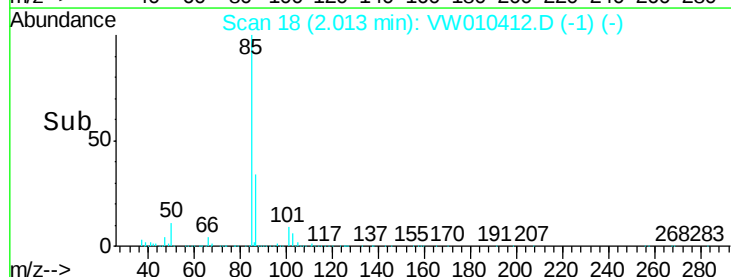
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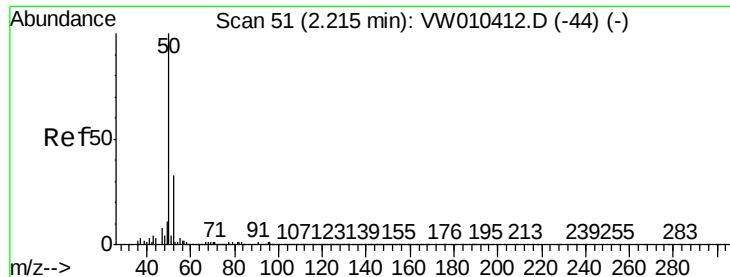
40000

20000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 38.120 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

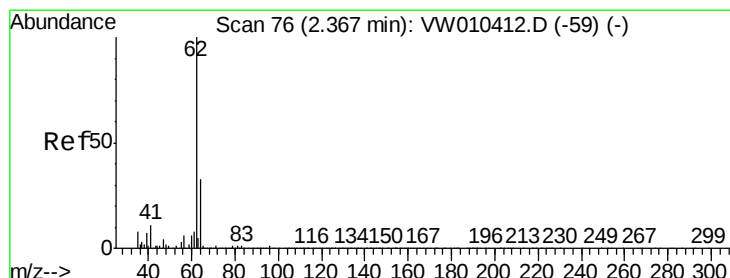
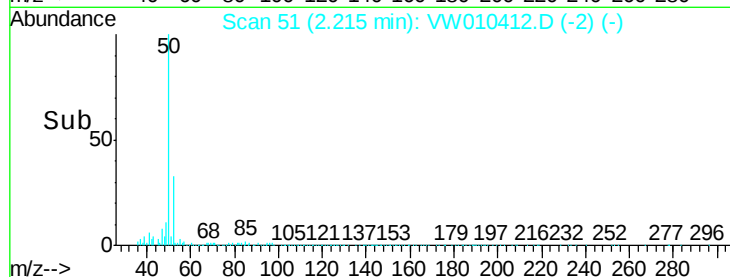
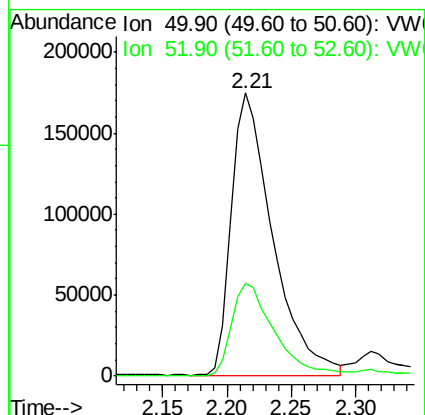
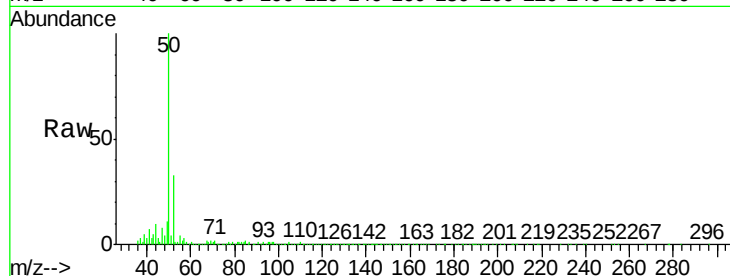
VSTDICCC050

Tot Ion: 50 Resp: 391436

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2



#4

Vinyl Chloride

Concen: 41.840 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010412.D

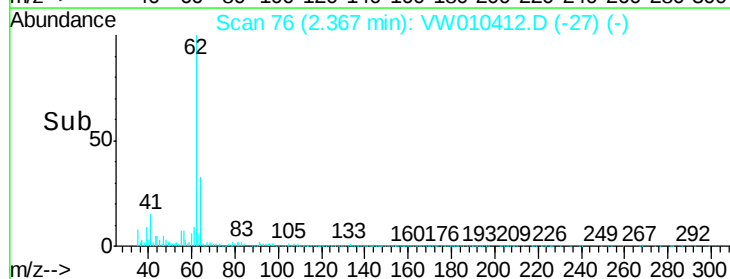
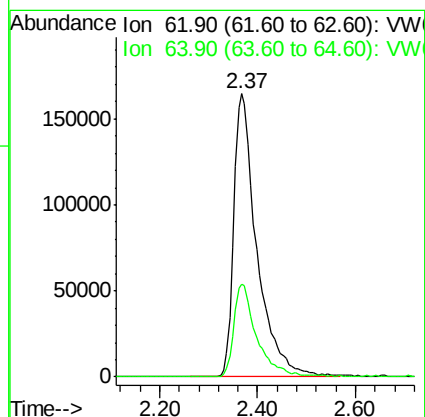
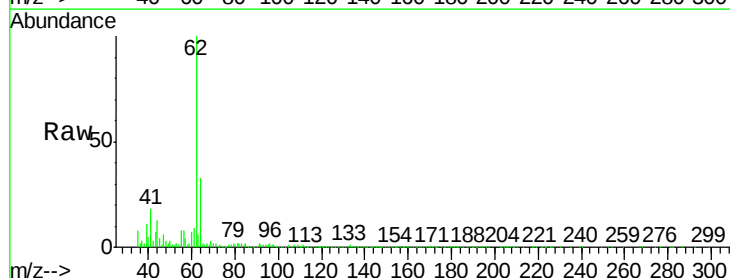
Acq: 16 May 2019 20:02

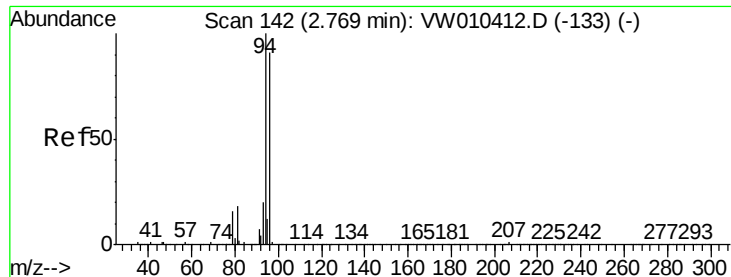
Tgt Ion: 62 Resp: 538812

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 46.804 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

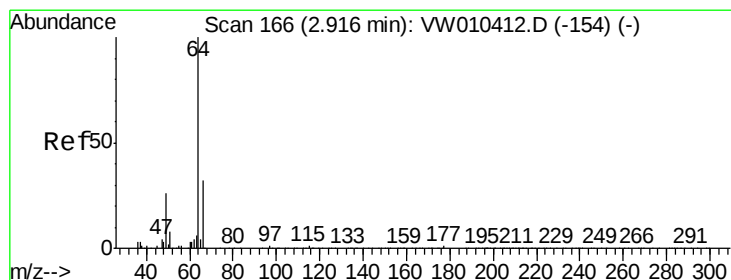
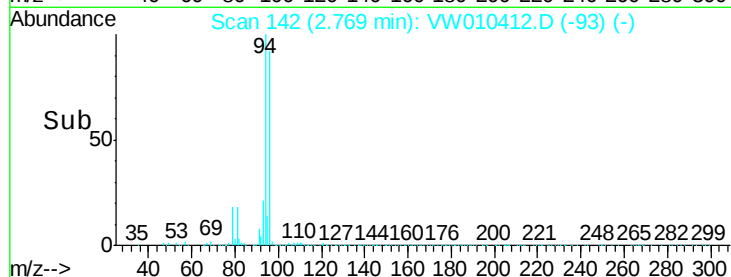
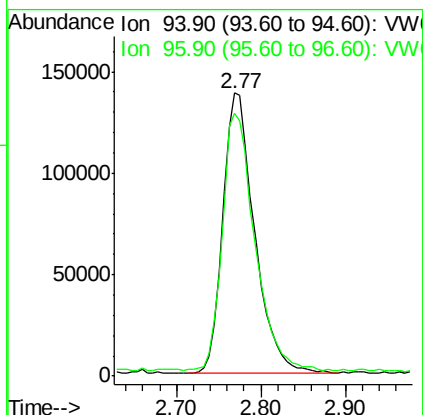
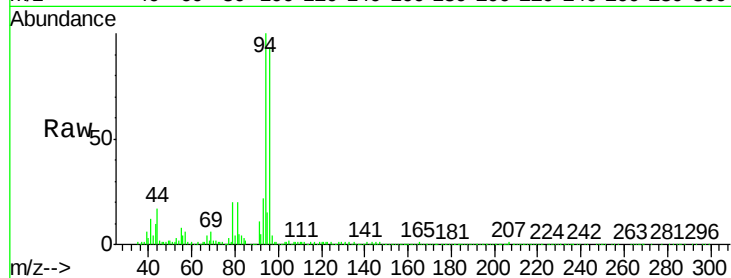
VSTDICCC050

Tot Ion: 94 Resp: 355100

Ion Ratio Lower Upper

94 100

96 91.8 73.4 110.2



#6

Chloroethane

Concen: 43.456 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010412.D

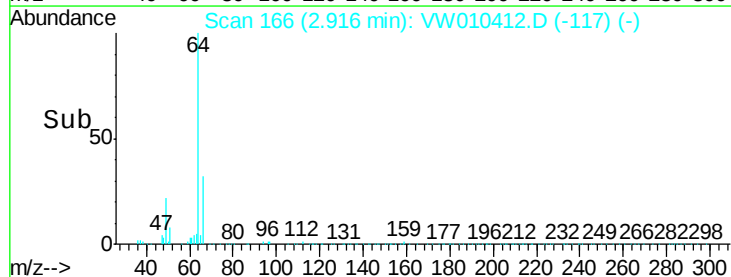
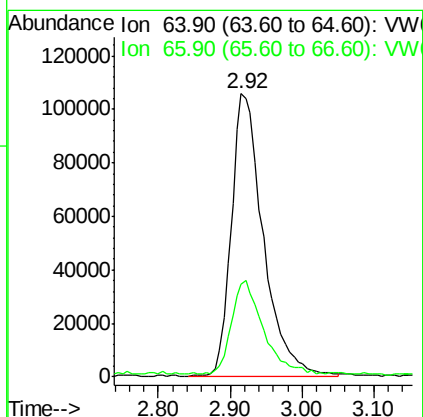
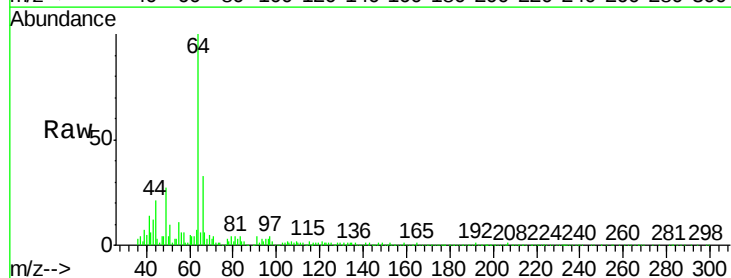
Acq: 16 May 2019 20:02

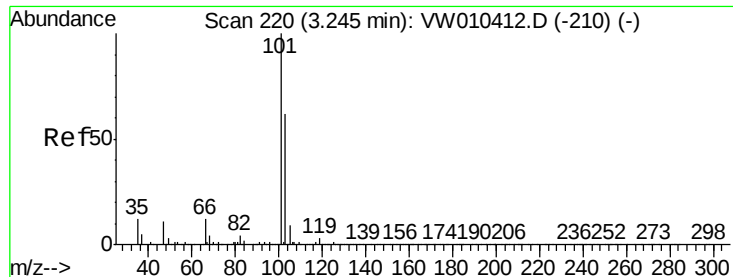
Tgt Ion: 64 Resp: 324016

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



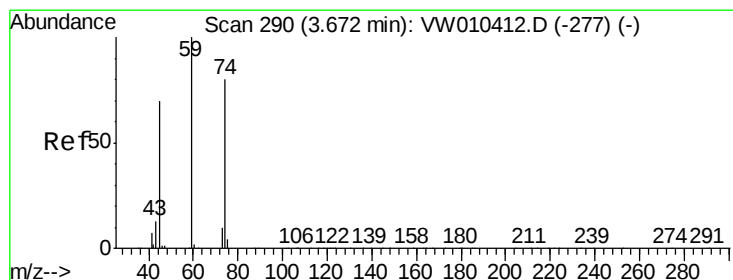
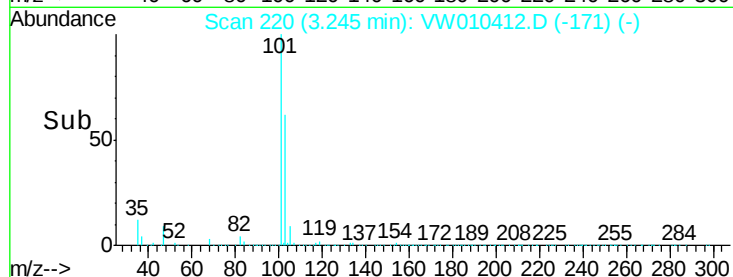
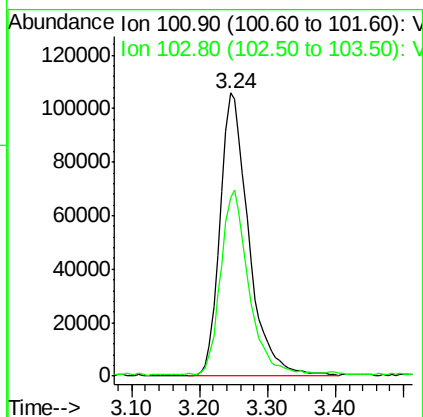
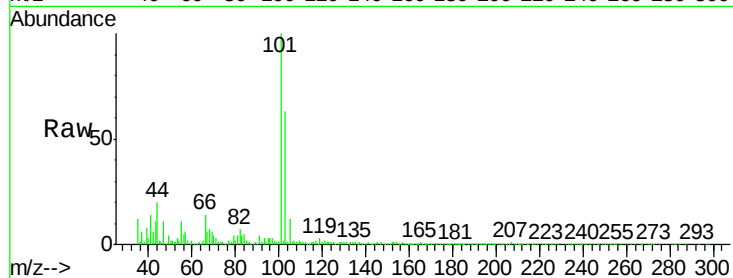


#7

Trichlorofluoromethane
 Concen: 47.166 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

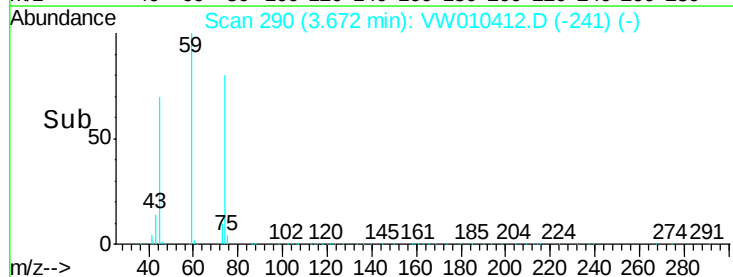
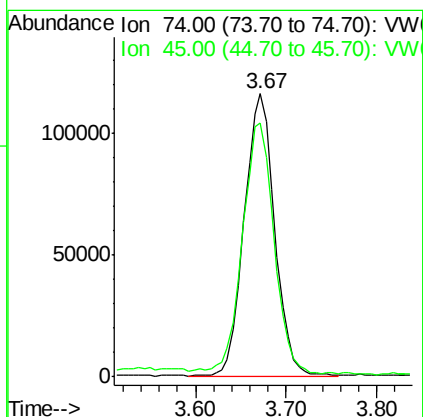
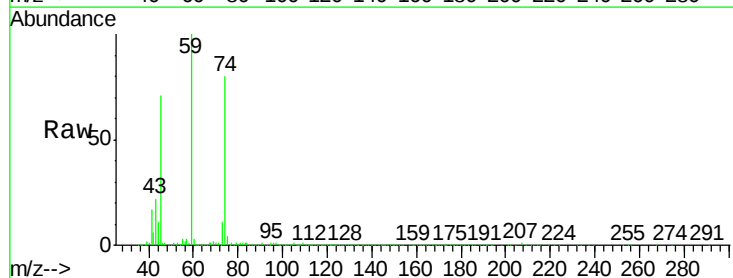
Tot Ion:101 Resp: 309406
 Ion Ratio Lower Upper
 101 100
 103 62.4 49.9 74.9

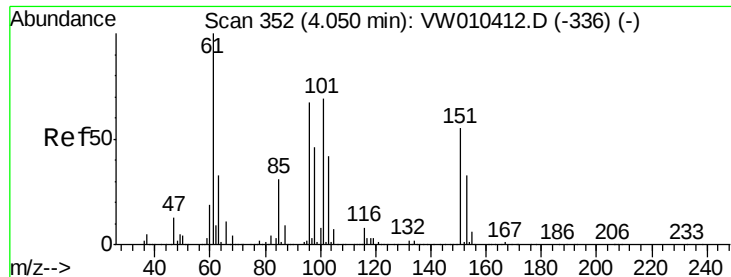


#8

Diethyl Ether
 Concen: 46.427 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Tgt Ion: 74 Resp: 267206
 Ion Ratio Lower Upper
 74 100
 45 92.0 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.752 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

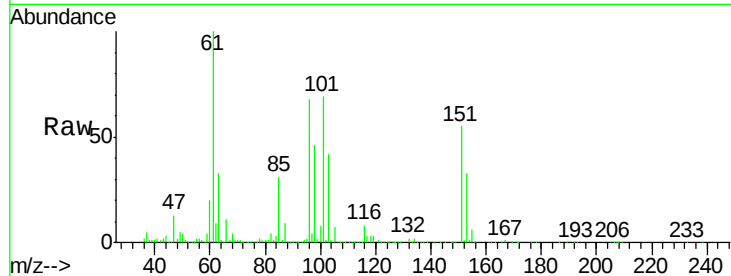
Tot Ion:101 Resp: 465922

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.4

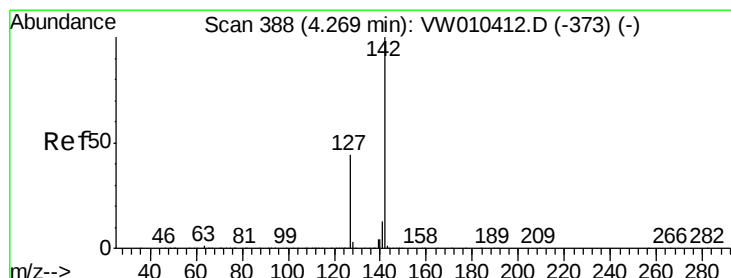
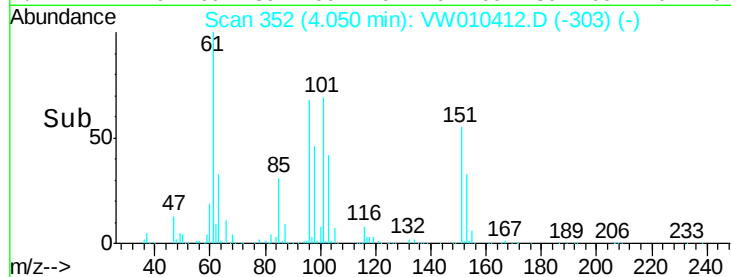
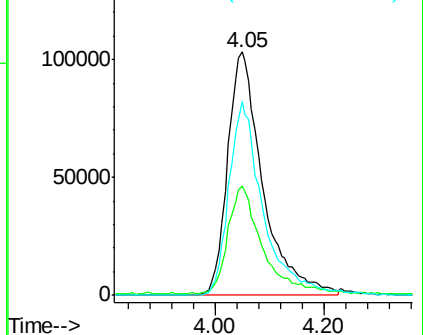
151 77.2 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.423 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

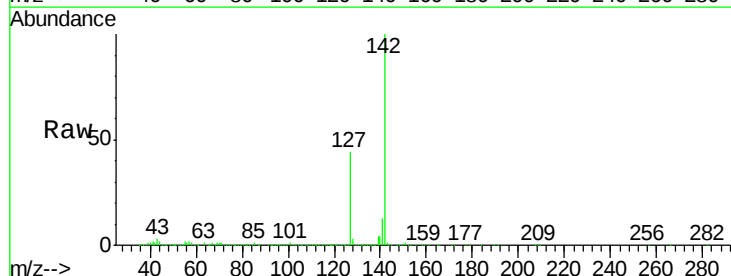
Tgt Ion:142 Resp: 760628

Ion Ratio Lower Upper

142 100

127 43.1 34.5 51.7

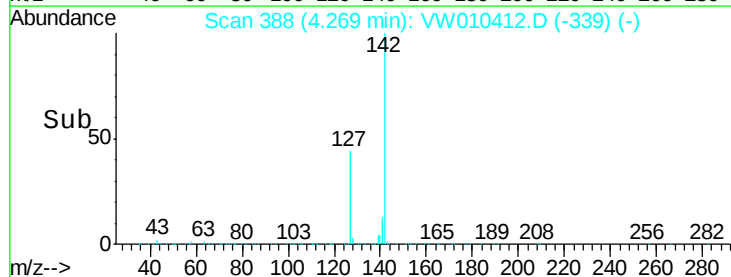
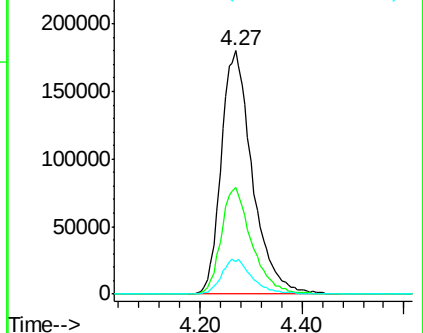
141 14.2 11.4 17.0

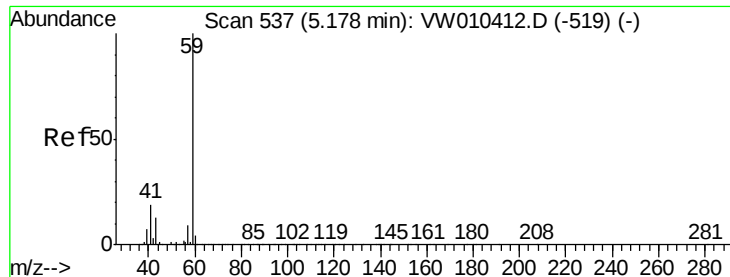


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



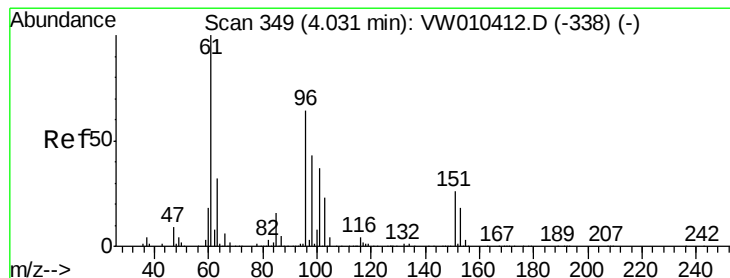
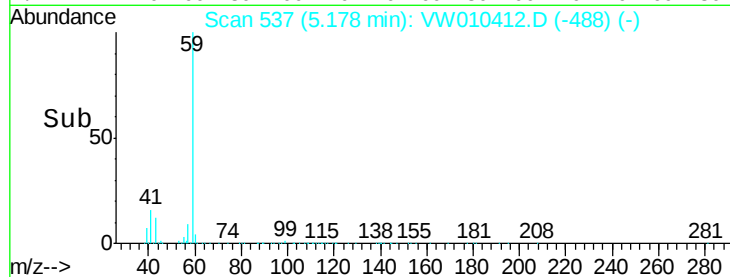
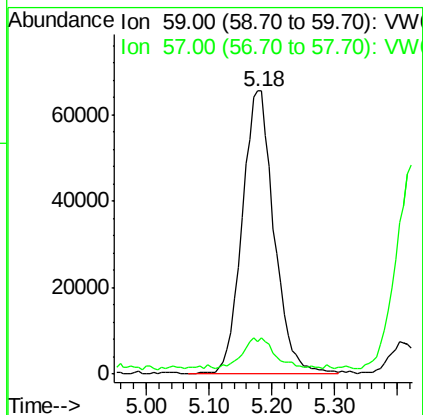
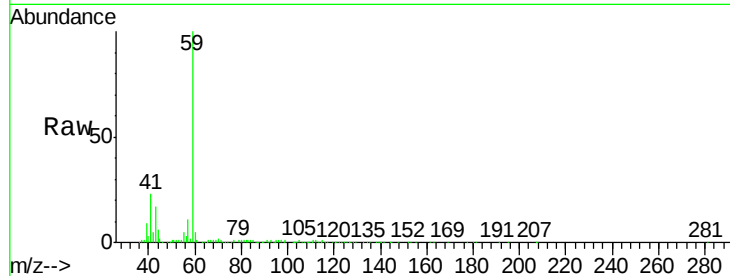


#11

Tert butyl alcohol
 Concen: 284.048 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

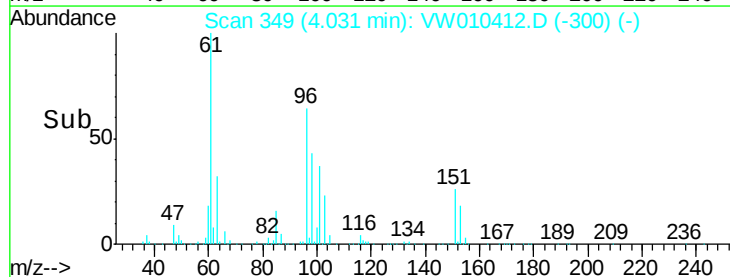
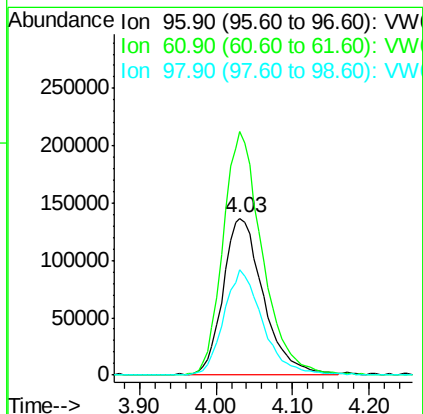
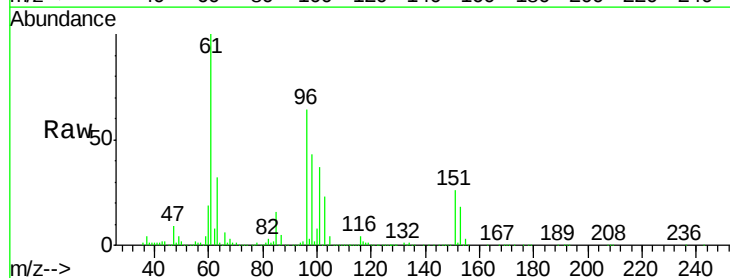
Tot Ion: 59 Resp: 228074
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1

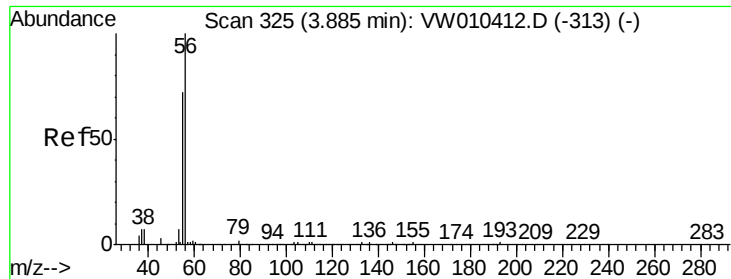


#12

1,1-Dichloroethene
 Concen: 44.121 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Tgt Ion: 96 Resp: 490982
 Ion Ratio Lower Upper
 96 100
 61 155.1 124.1 186.1
 98 66.7 53.4 80.0

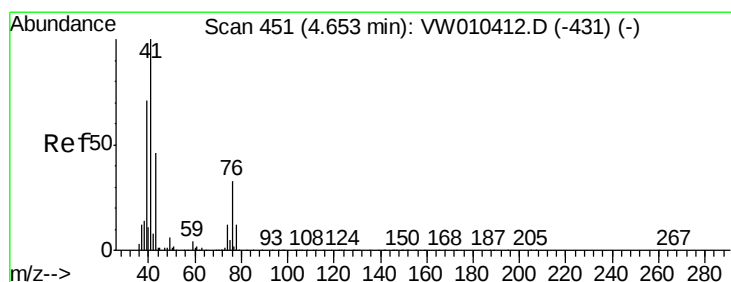
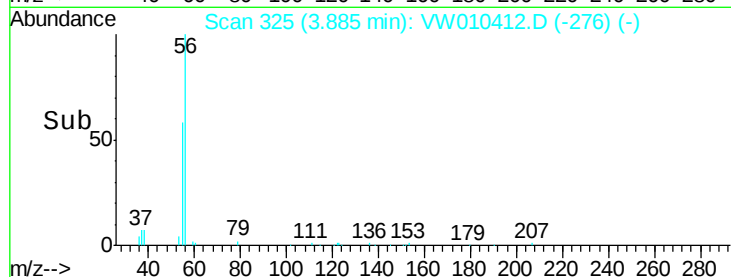
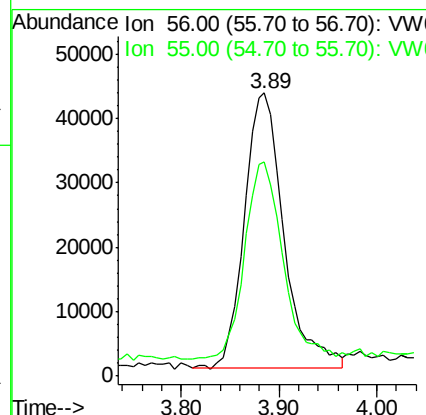
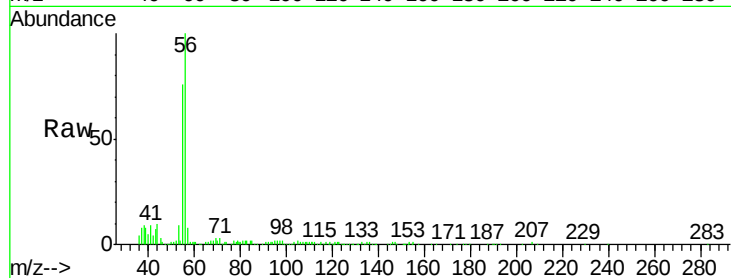




#13
Acrolein
Concen: 127.592 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

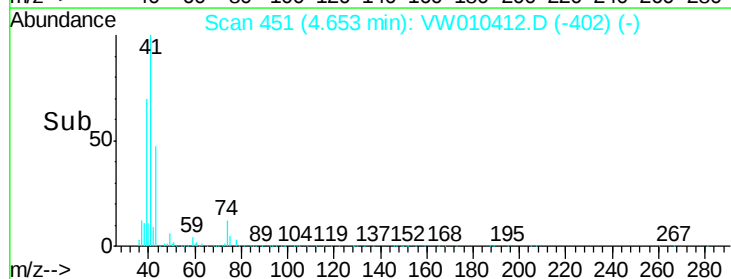
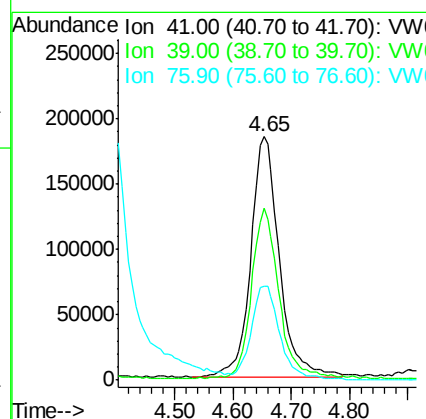
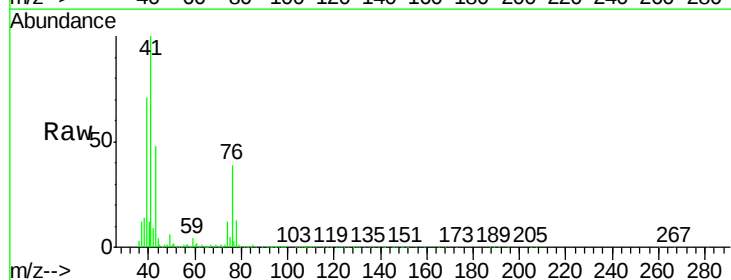
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

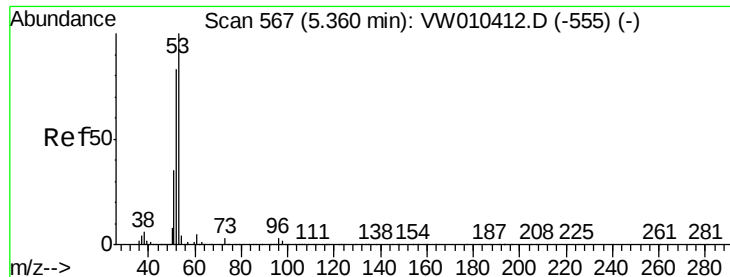
Tot Ion: 56 Resp: 118826
Ion Ratio Lower Upper
56 100
55 70.1 56.1 84.1



#14
Allyl chloride
Concen: 38.737 ug/l
RT: 4.65 min Scan# 451
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 41 Resp: 627027
Ion Ratio Lower Upper
41 100
39 67.9 54.3 81.5
76 38.4 30.7 46.1





#15

Acrylonitrile

Concen: 201.831 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

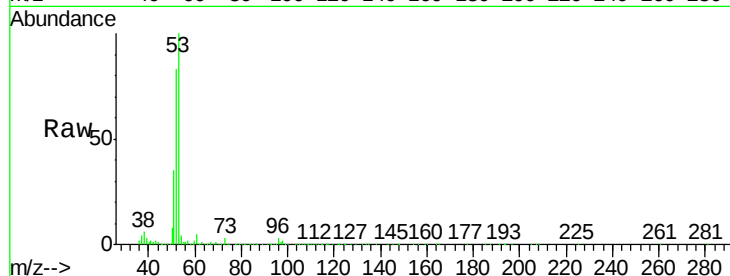
MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 625913

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.1	28.9	43.3

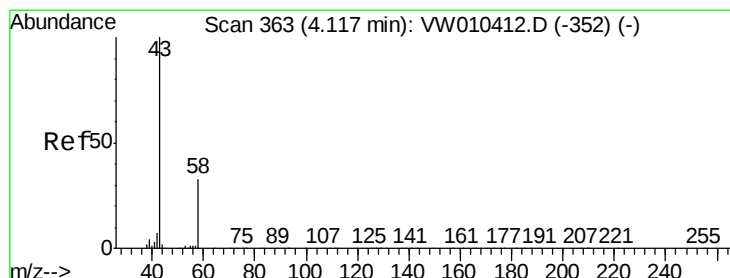
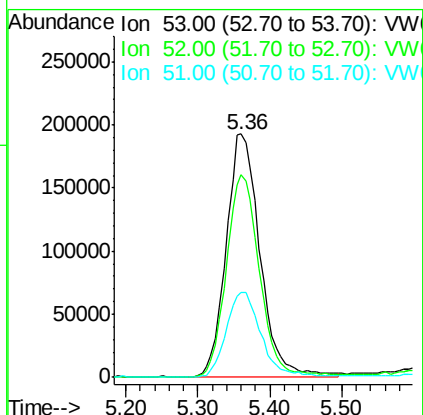
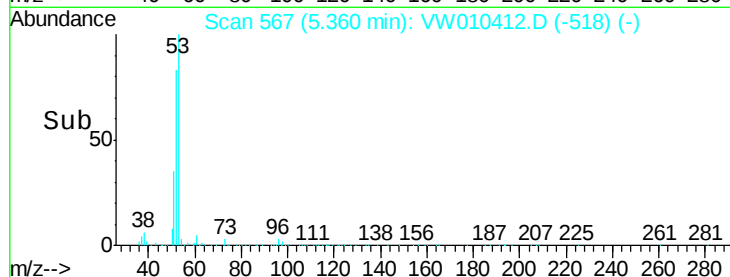


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 193.839 ug/l

RT: 4.12 min Scan# 363

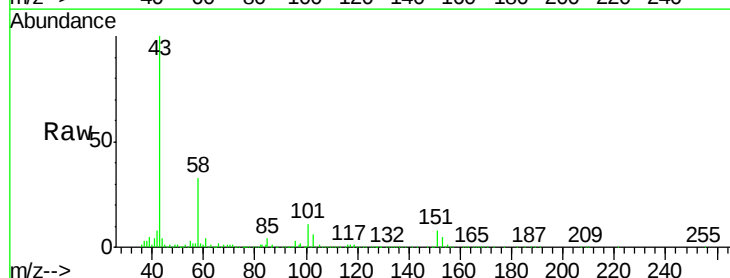
Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Tgt Ion: 43 Resp: 524998

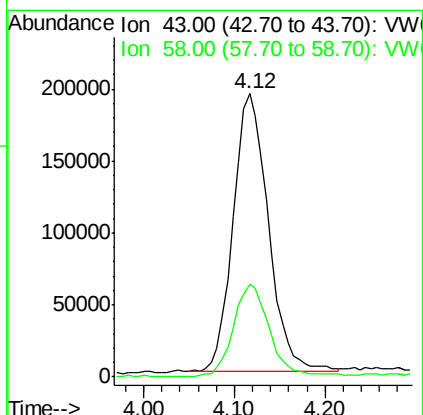
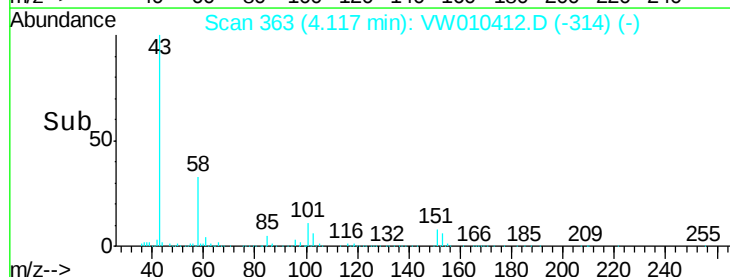
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.5	39.7

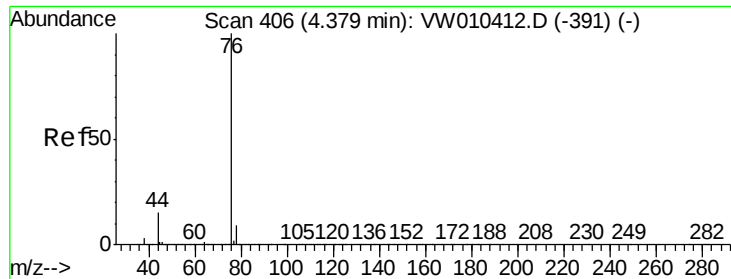


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

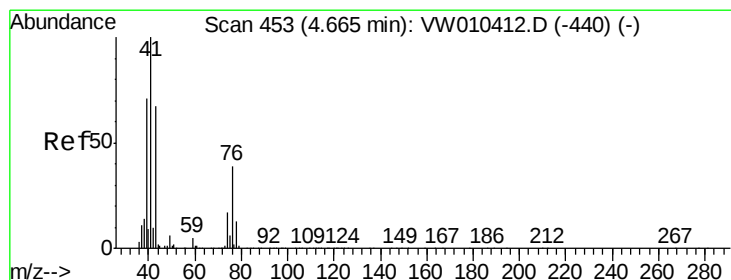
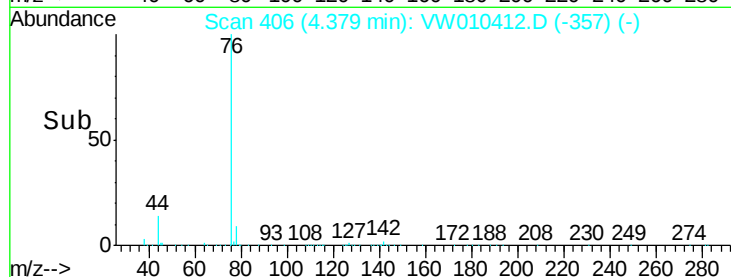
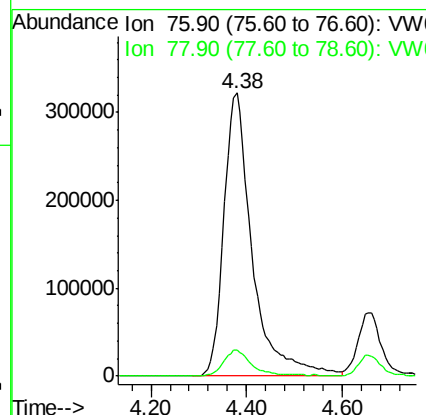
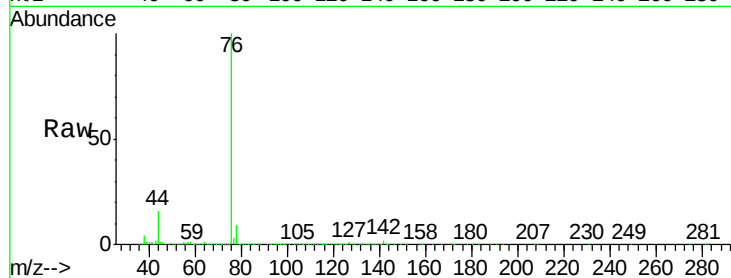




#17
Carbon Disulfide
Concen: 40.143 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

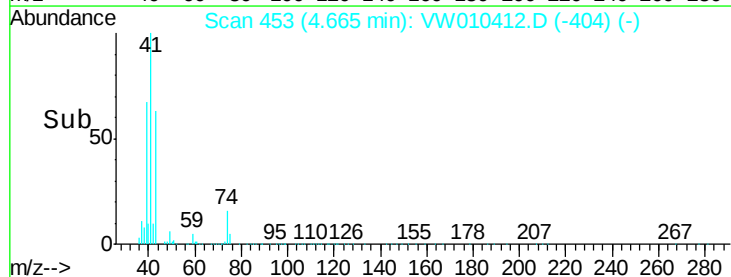
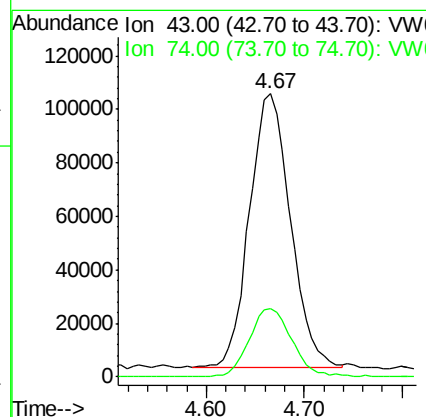
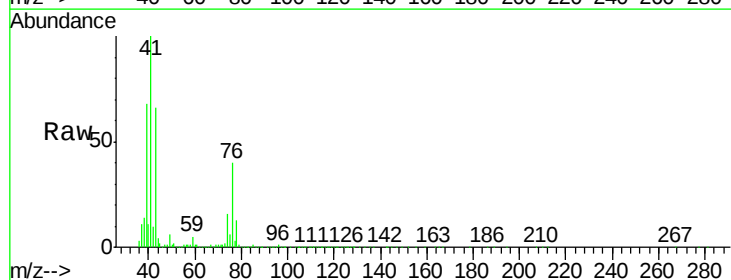
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

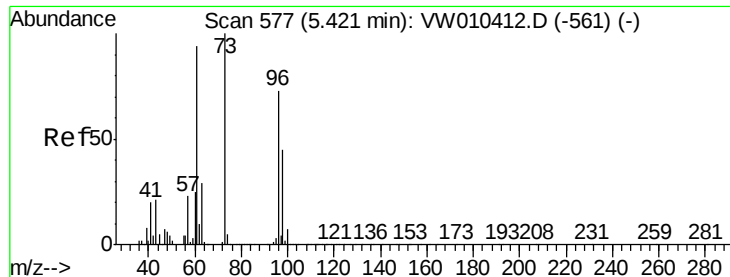
Tot Ion: 76 Resp: 1327515
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 42.660 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 43 Resp: 296418
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1



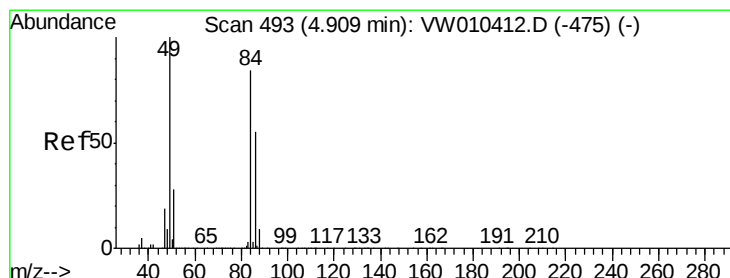
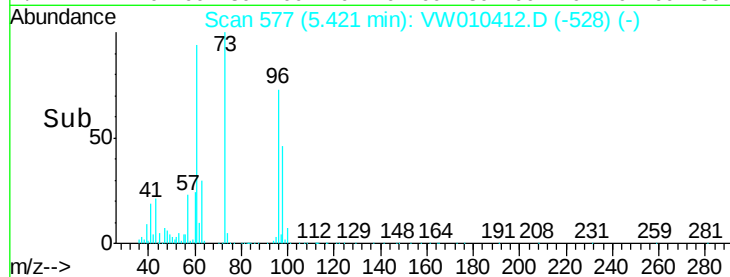
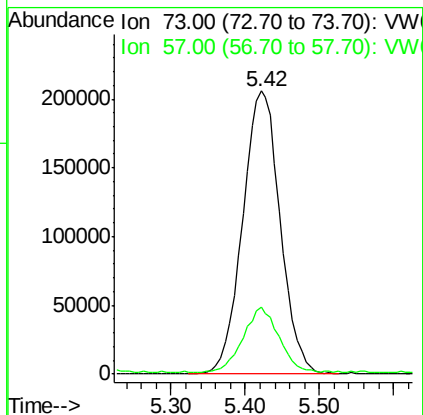
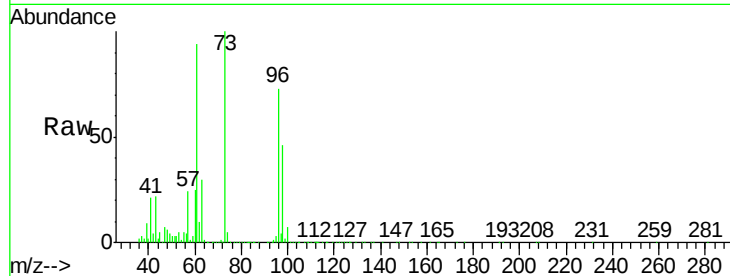


#19

Methyl tert-butyl Ether
 Concen: 53.223 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

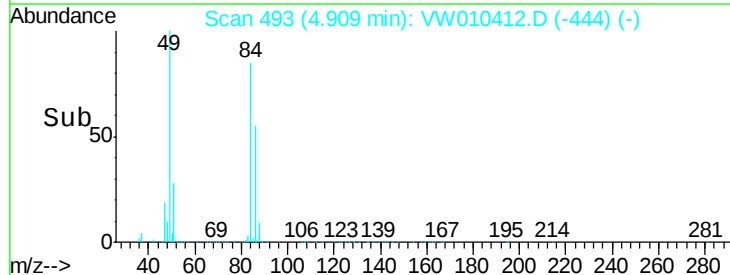
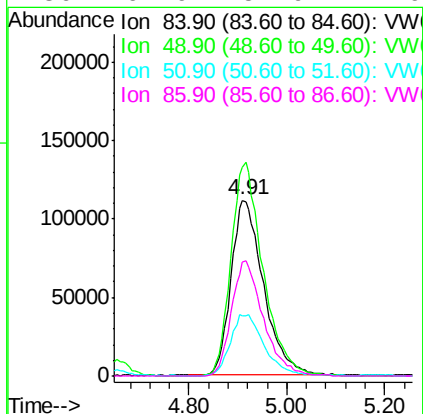
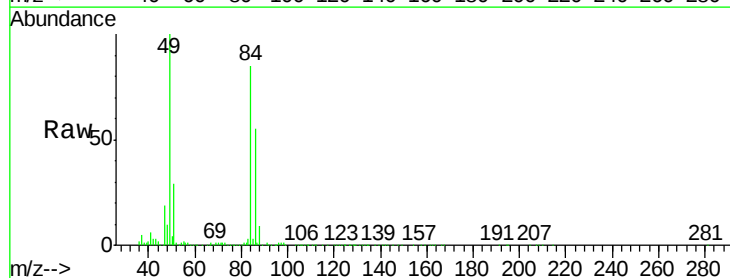
Tot Ion: 73 Resp: 722947
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.2 27.4

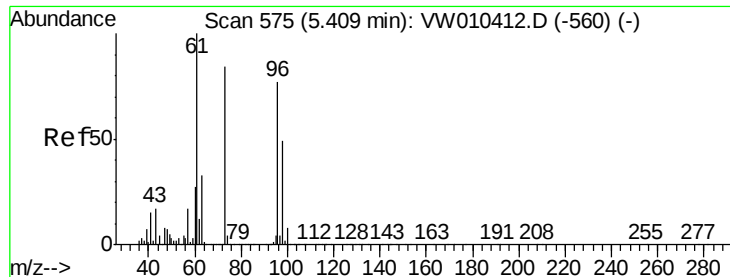


#20

Methylene Chloride
 Concen: 43.298 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Tgt Ion: 84 Resp: 514785
 Ion Ratio Lower Upper
 84 100
 49 118.7 95.0 142.4
 51 33.7 27.0 40.4
 86 64.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 46.520 ug/l

RT: 5.41 min Scan# 575

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

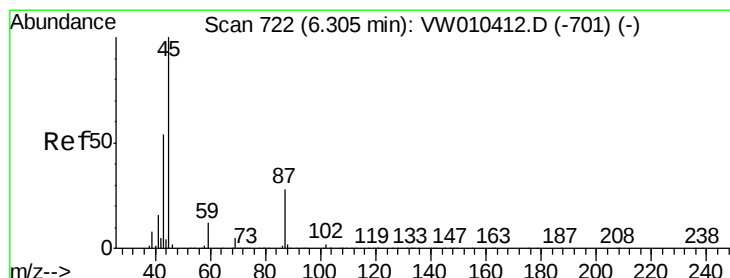
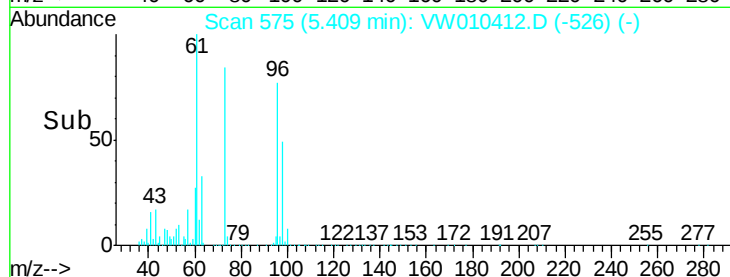
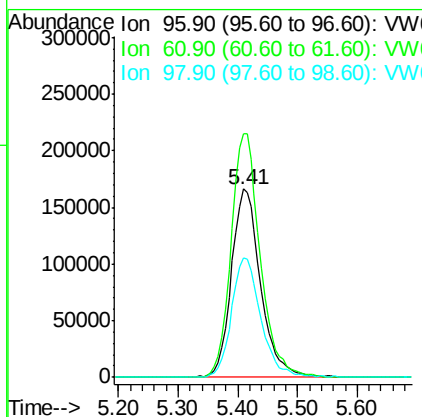
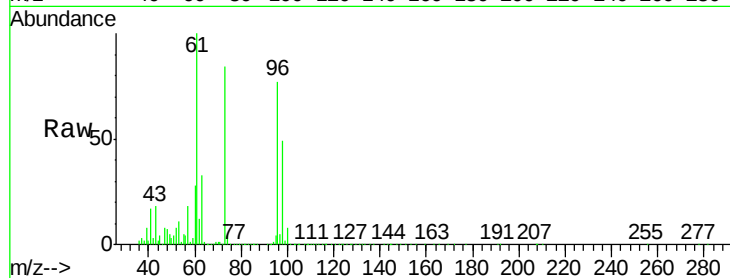
Tot Ion: 96 Resp: 560008

Ion Ratio Lower Upper

96 100

61 129.5 103.6 155.4

98 63.0 50.4 75.6



#22

Diisopropyl ether

Concen: 48.000 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Tgt Ion: 45 Resp: 1554943

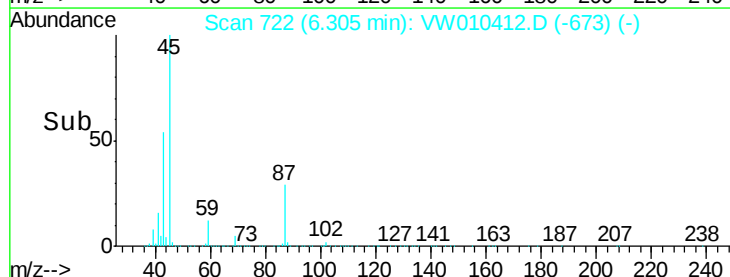
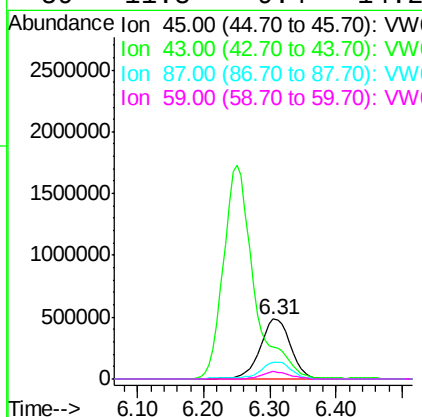
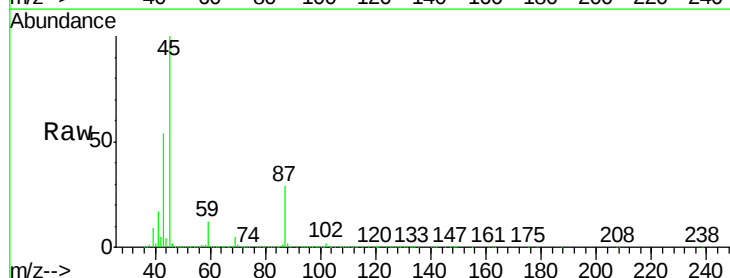
Ion Ratio Lower Upper

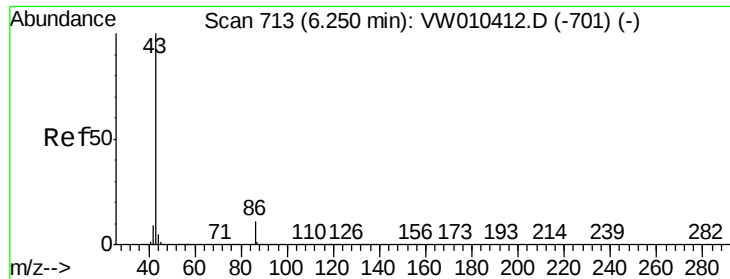
45 100

43 53.9 43.1 64.7

87 28.4 22.7 34.1

59 11.8 9.4 14.2





#23

Vinyl Acetate

Concen: 248.779 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

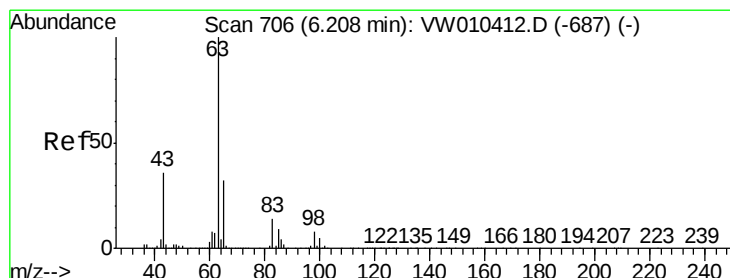
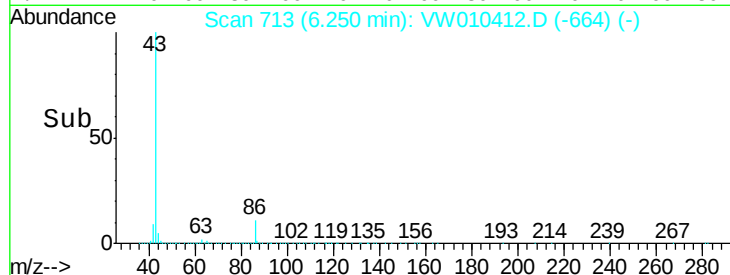
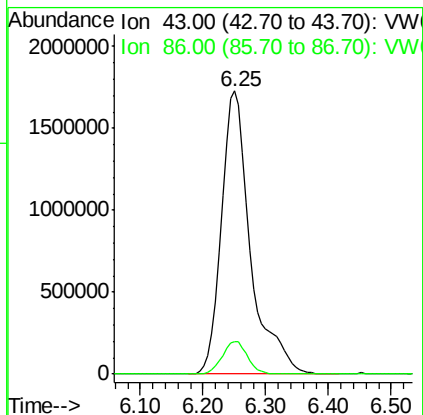
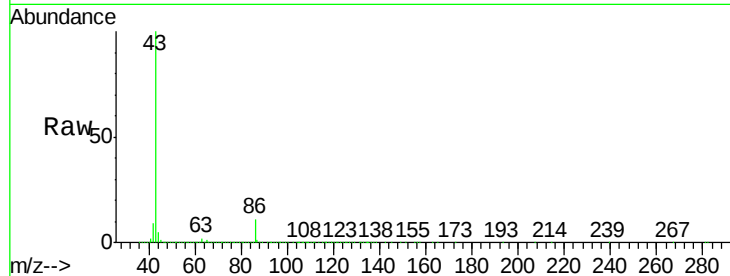
VSTDICCC050

Tot Ion: 43 Resp: 5537817

Ion Ratio Lower Upper

43 100

86 11.4 9.1 13.7



#24

1,1-Dichloroethane

Concen: 44.220 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

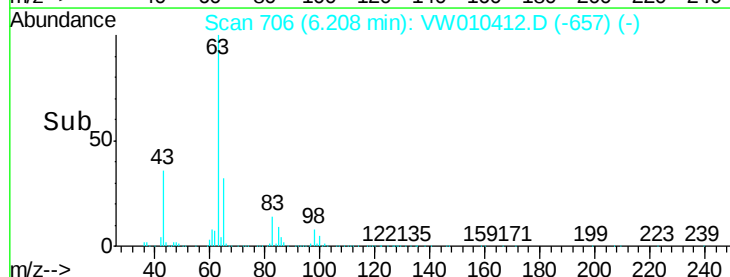
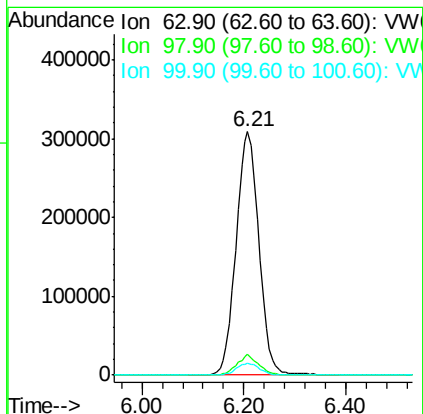
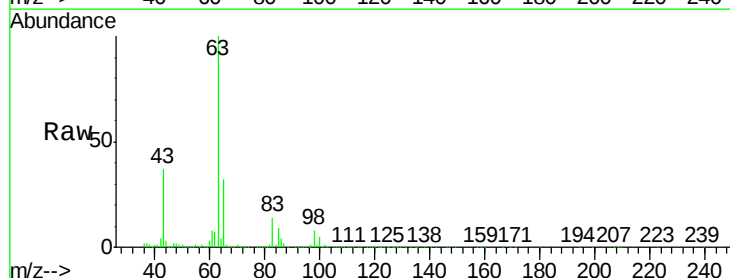
Tgt Ion: 63 Resp: 957795

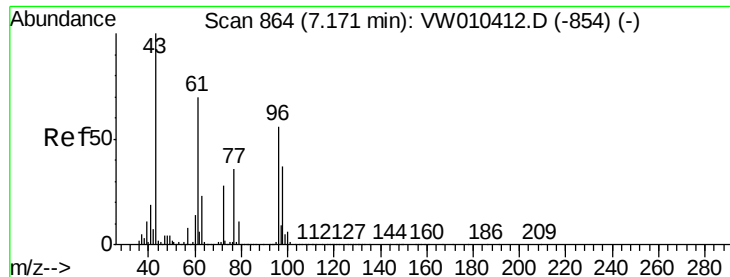
Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 226.758 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

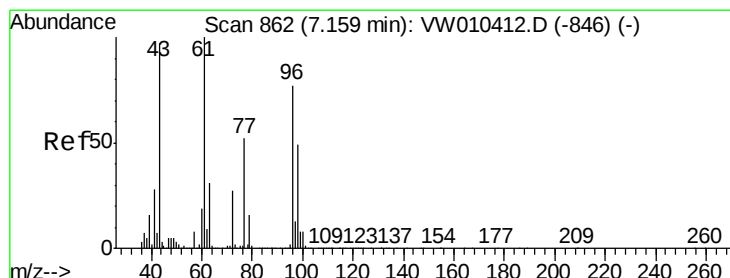
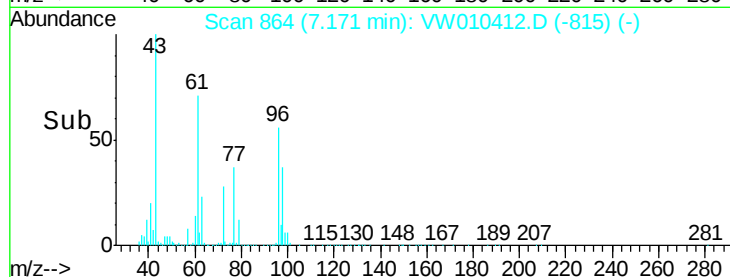
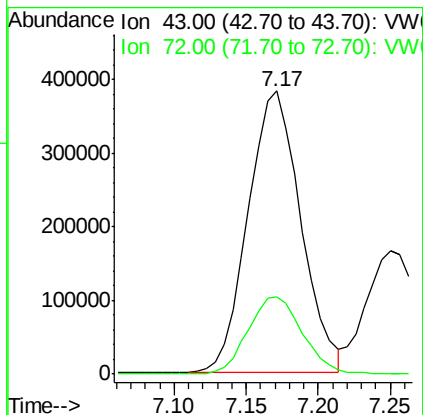
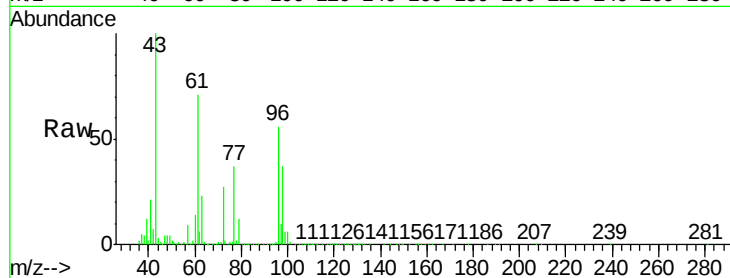
VSTDICCC050

Tot Ion: 43 Resp: 971862

Ion Ratio Lower Upper

43 100

72 27.6 22.1 33.1



#26

2,2-Dichloropropane

Concen: 44.521 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010412.D

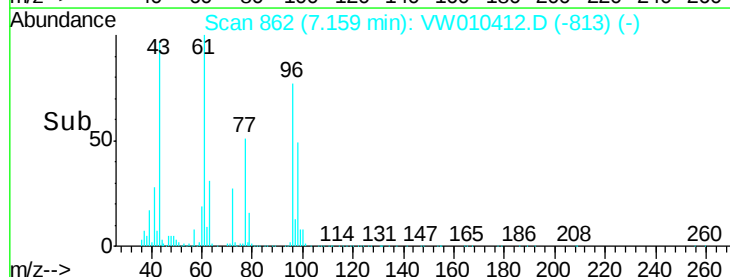
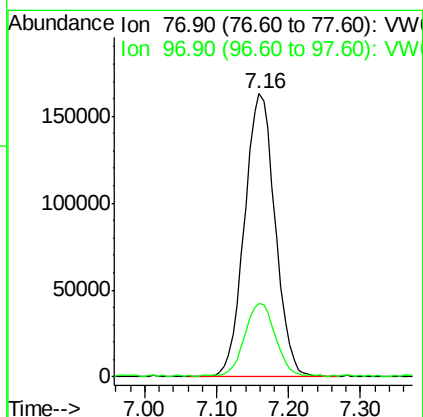
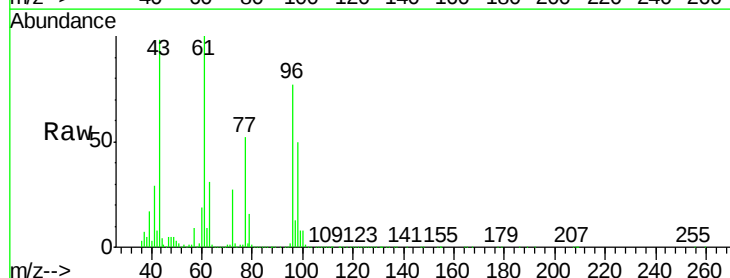
Acq: 16 May 2019 20:02

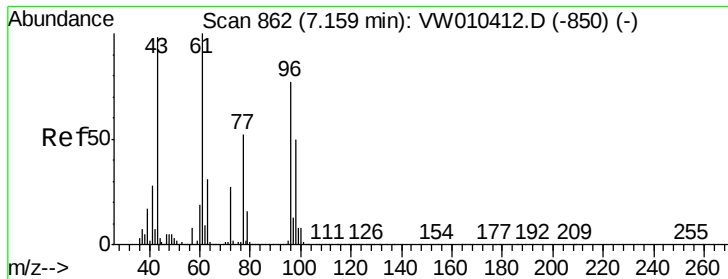
Tgt Ion: 77 Resp: 479549

Ion Ratio Lower Upper

77 100

97 25.3 12.7 38.0



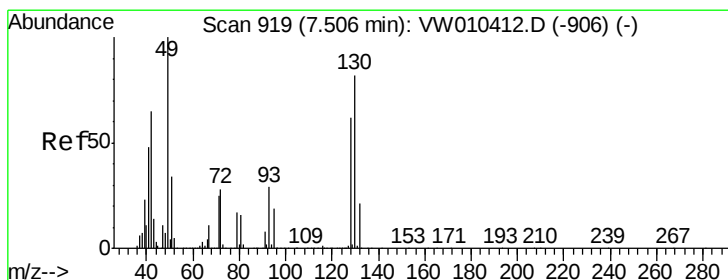
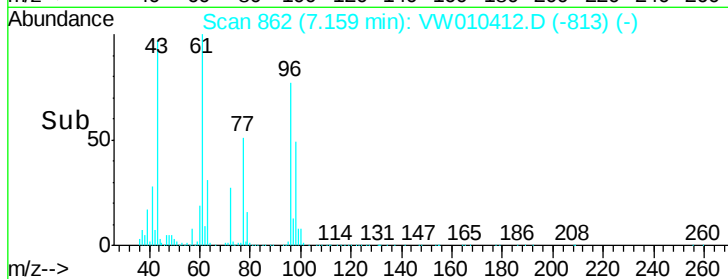
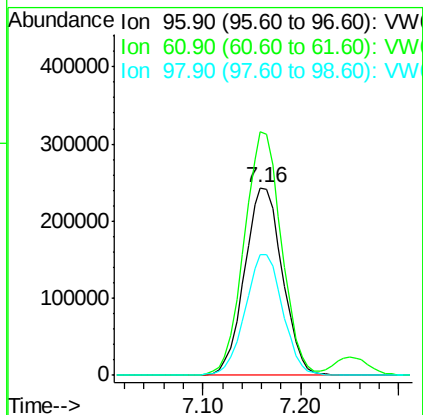
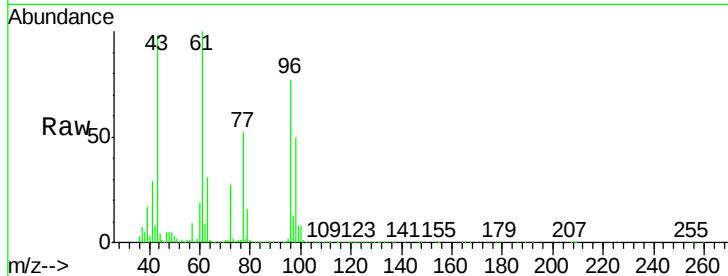


#27

cis-1,2-Dichloroethene
Concen: 51.417 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

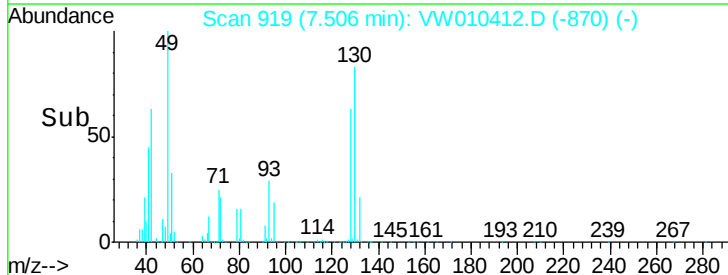
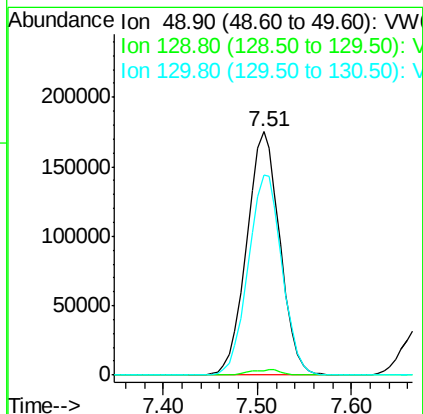
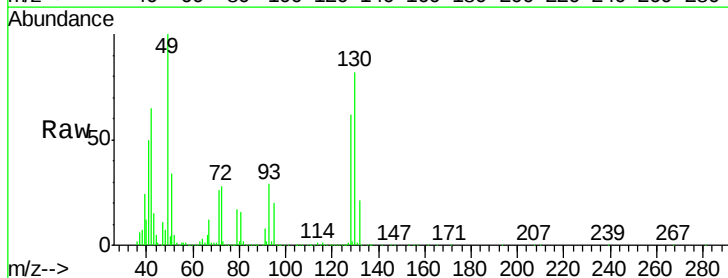
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.9	0.0	257.8
98	64.2	0.0	128.4

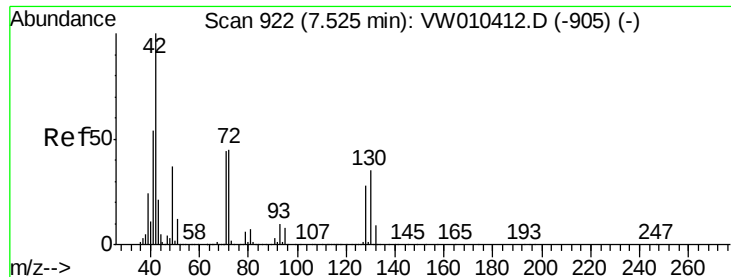


#28

Bromochloromethane
Concen: 52.343 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	83.7	67.0	100.4

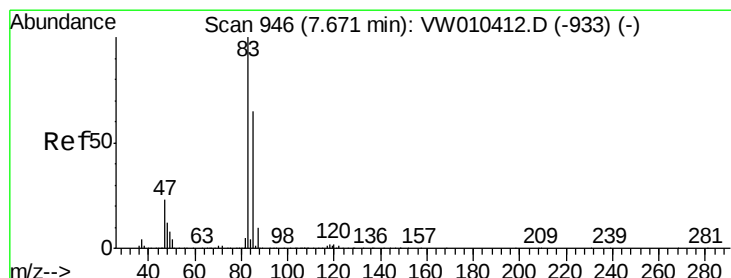
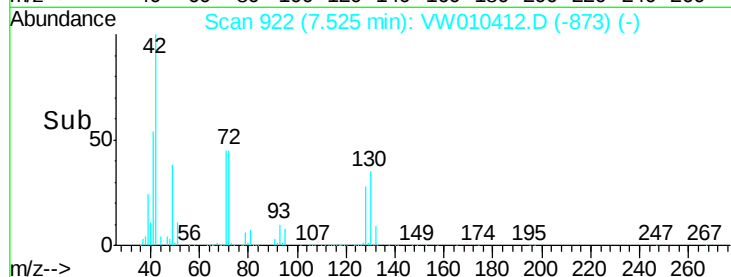
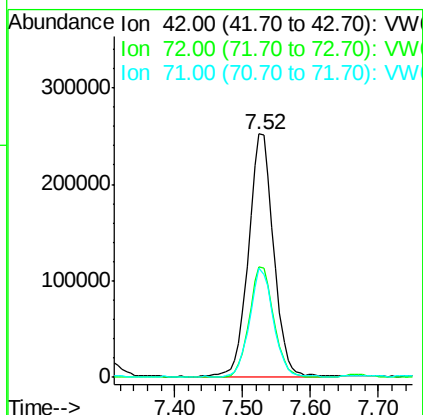
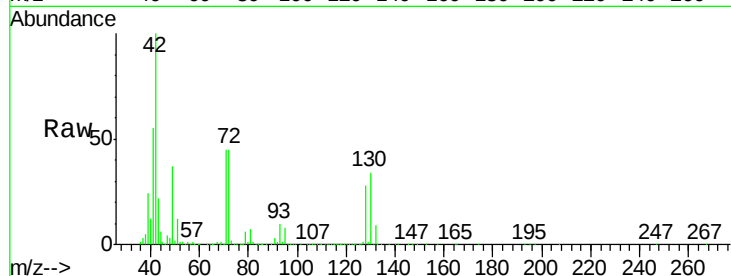




#29
Tetrahydrofuran
Concen: 231.247 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

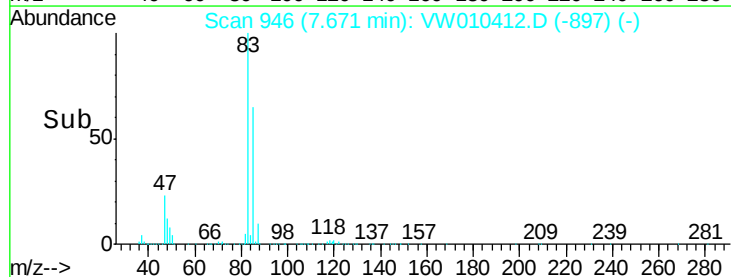
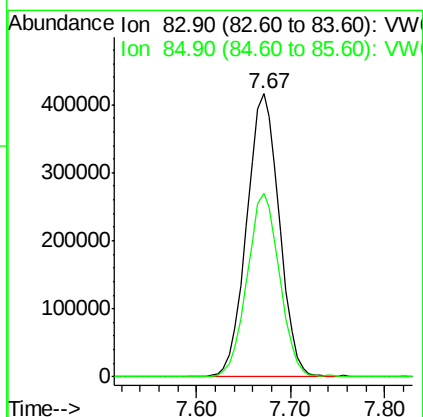
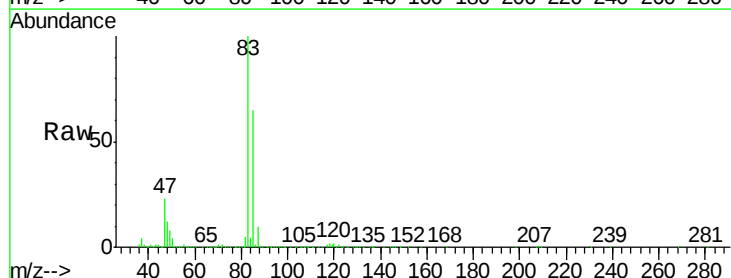
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

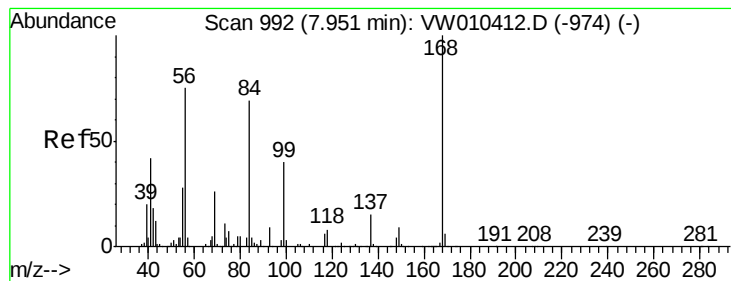
Tot Ion: 42 Resp: 644158
Ion Ratio Lower Upper
42 100
72 44.5 35.6 53.4
71 42.1 33.7 50.5



#30
Chloroform
Concen: 48.658 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 83 Resp: 1002939
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0





#31

Cyclohexane

Concen: 39.151 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

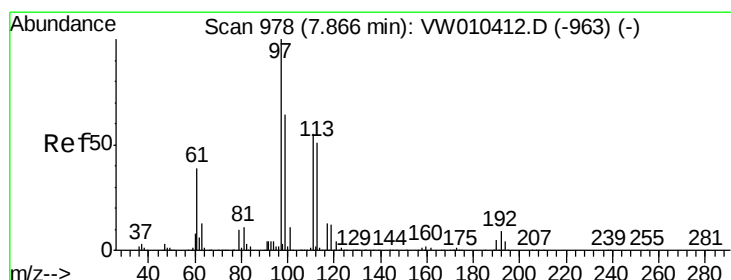
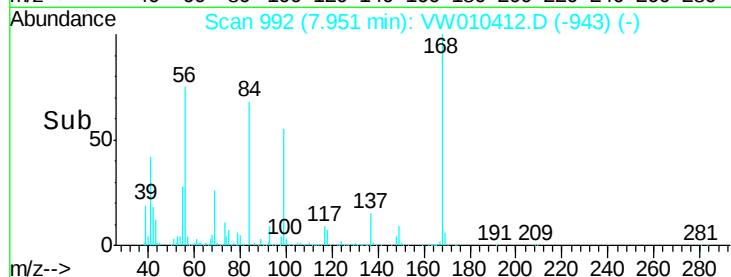
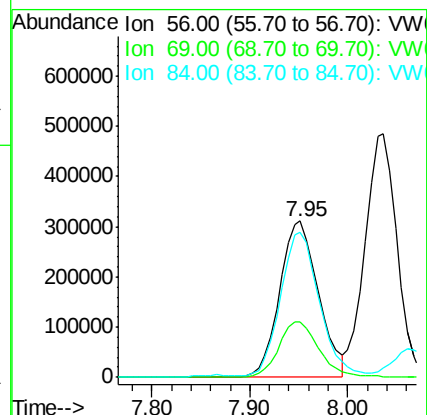
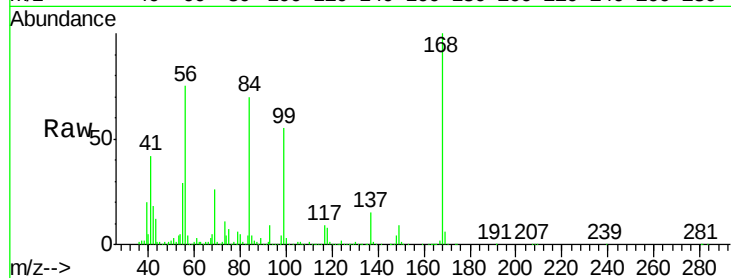
Tot Ion: 56 Resp: 856017

Ion Ratio Lower Upper

56 100

69 34.9 27.9 41.9

84 92.4 73.9 110.9



#32

1,1,1-Trichloroethane

Concen: 48.346 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

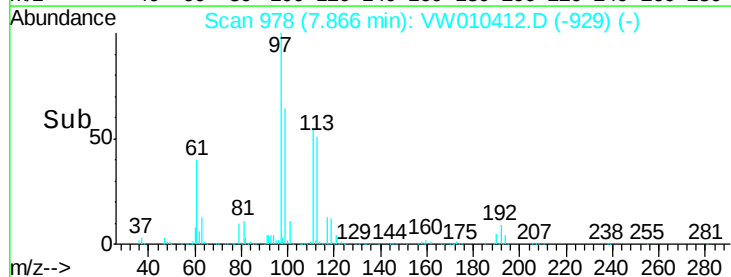
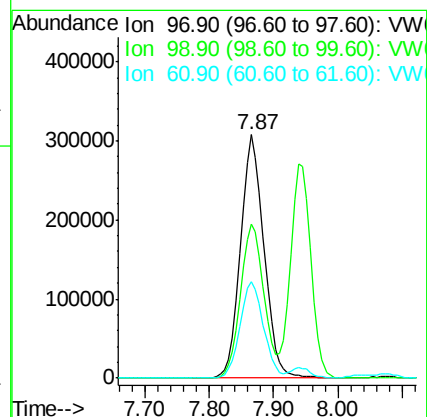
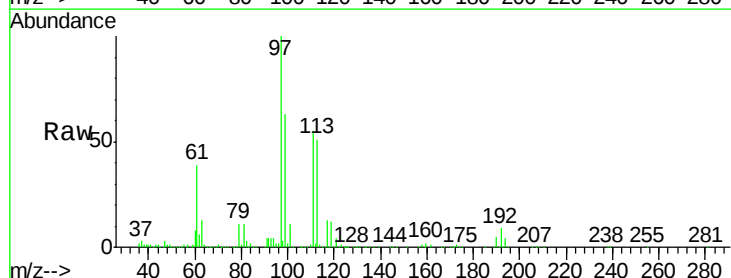
Tgt Ion: 97 Resp: 771836

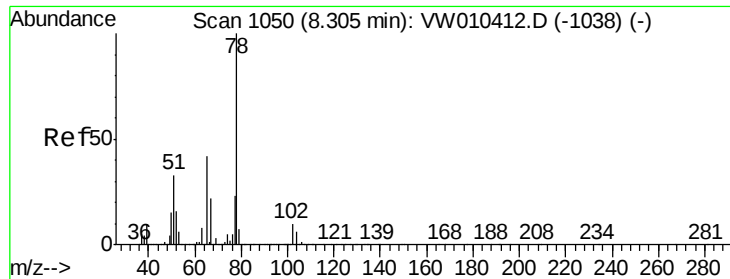
Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

61 39.9 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 51.726 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

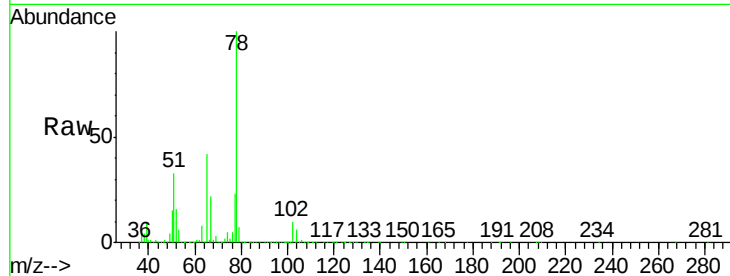
VSTDICCC050

Tot Ion: 65 Resp: 572736

Ion Ratio Lower Upper

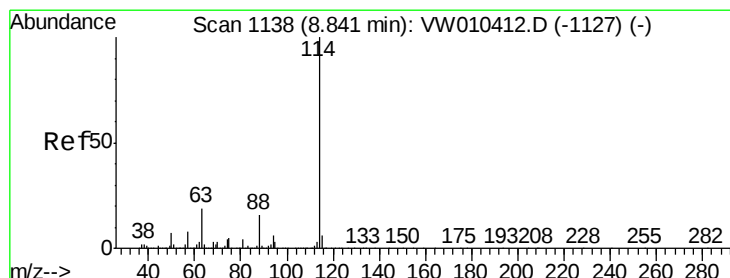
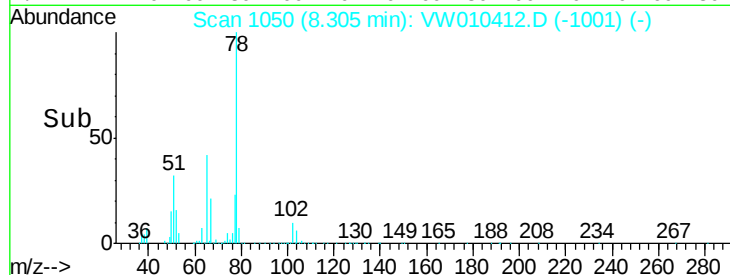
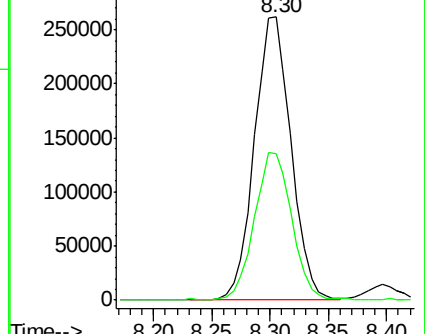
65 100

67 52.4 0.0 104.8



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: VW010412.D

Acq: 16 May 2019 20:02

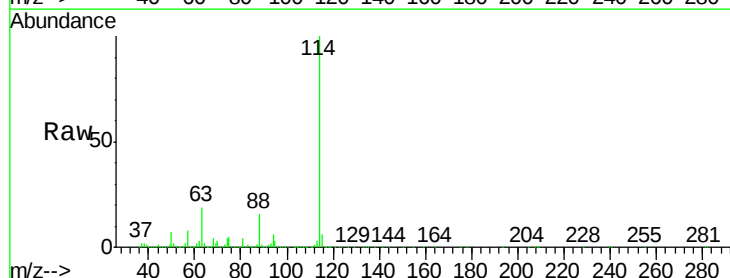
Tgt Ion: 114 Resp: 1786437

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.6

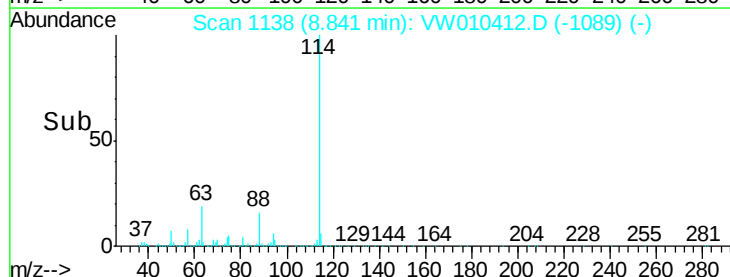
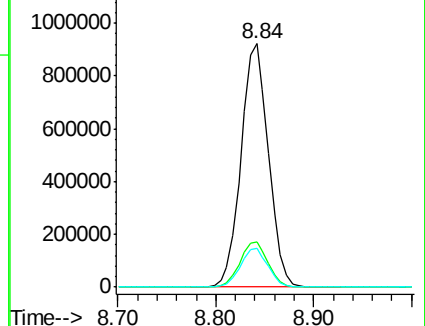
88 16.0 0.0 32.0

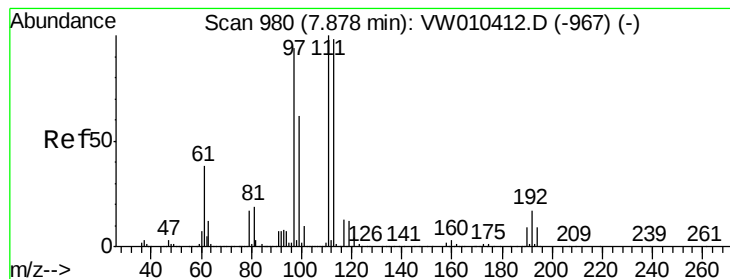


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 53.618 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

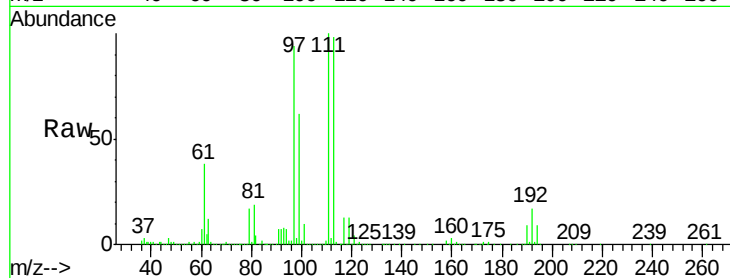
Tot Ion:113 Resp: 565692

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

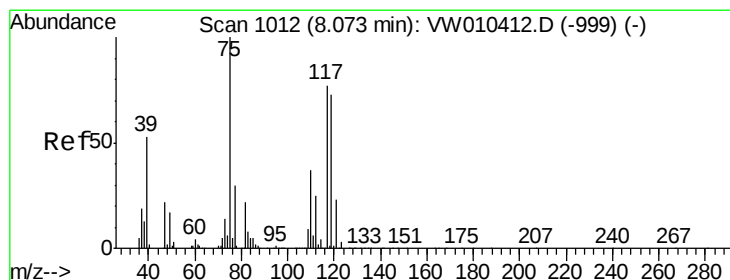
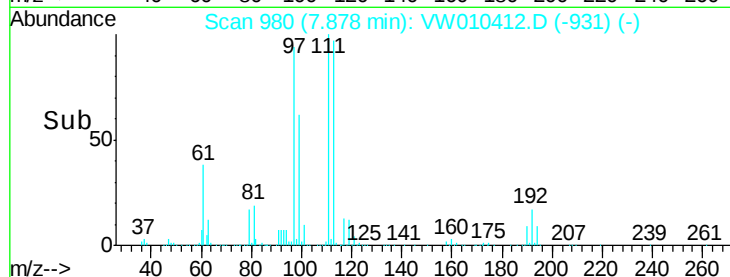
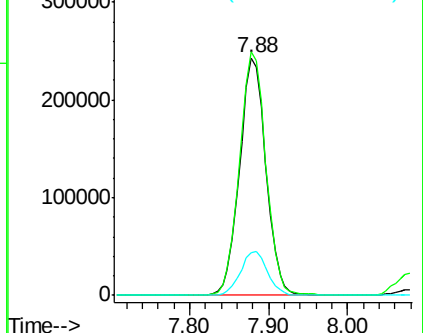
192 19.0 15.2 22.8



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: 40.999 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

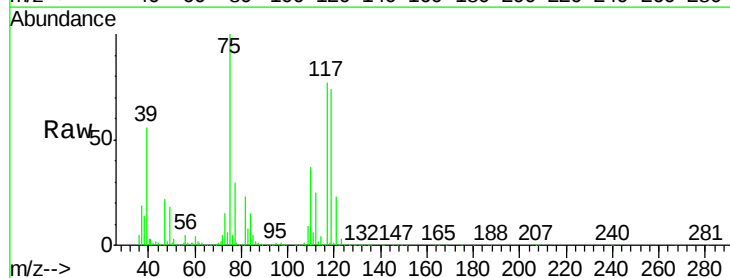
Tgt Ion: 75 Resp: 767643

Ion Ratio Lower Upper

75 100

110 37.8 18.9 56.7

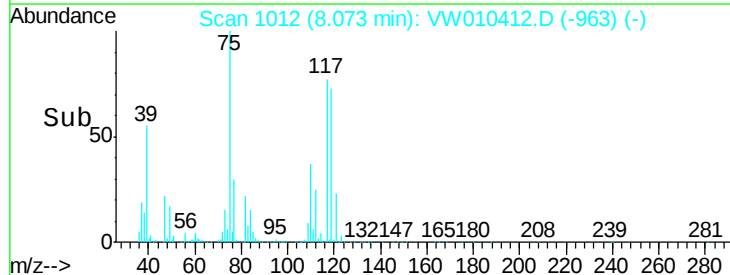
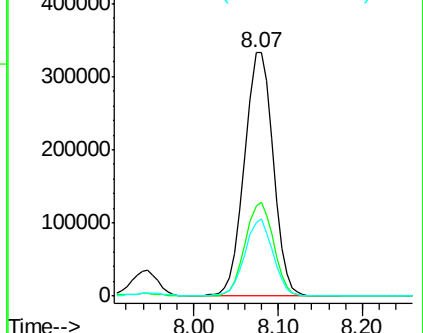
77 30.8 24.6 37.0

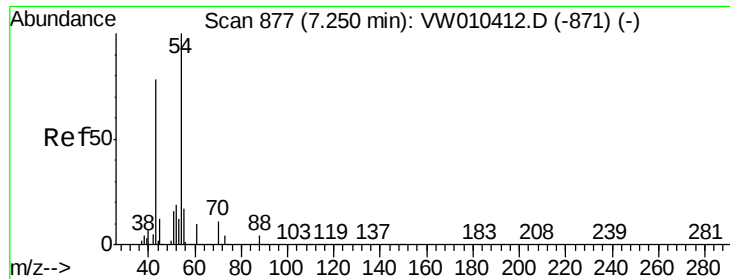


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

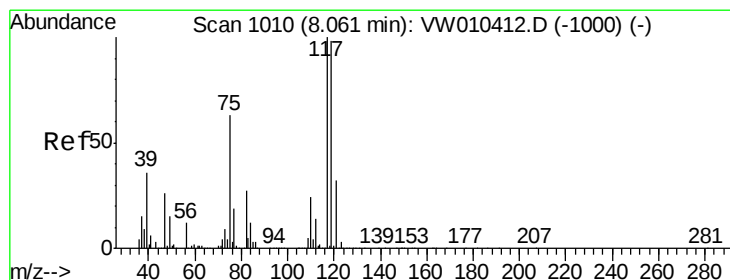
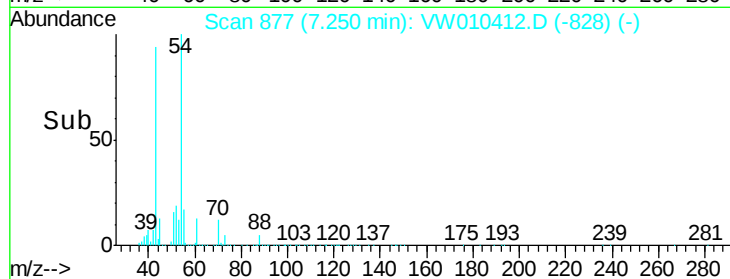
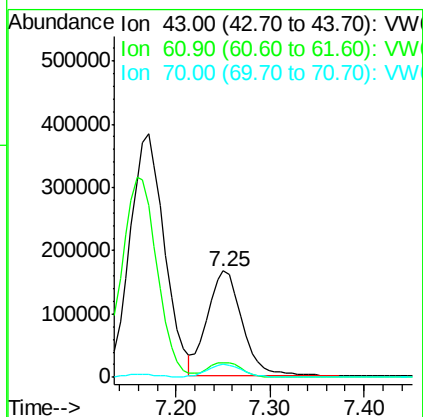
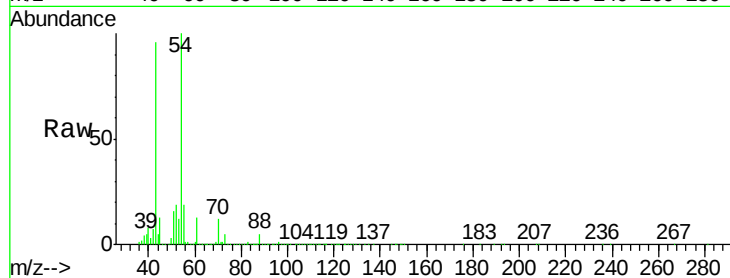




#37
Ethyl Acetate
Concen: 42.616 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

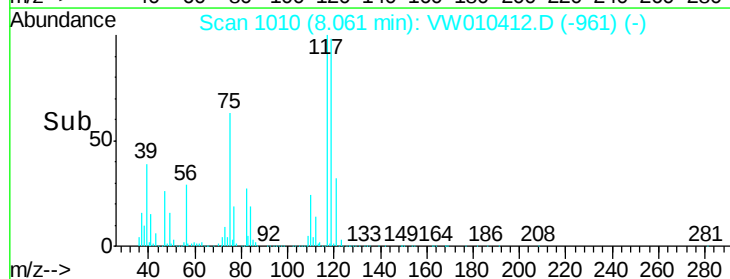
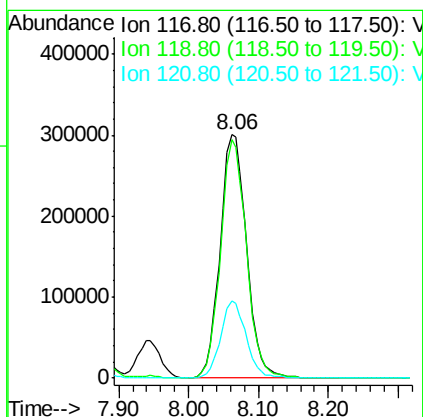
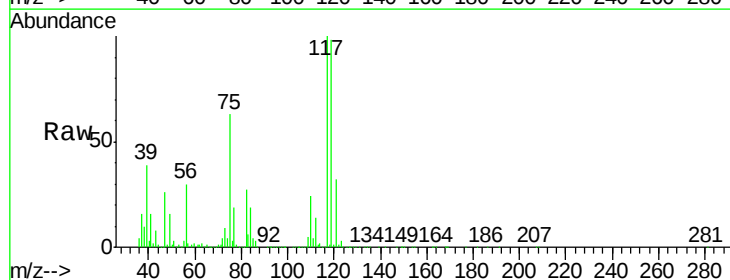
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

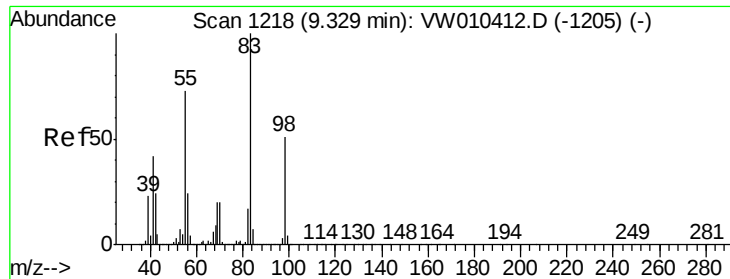
Tot Ion: 43 Resp: 425166
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.4
70 11.4 9.1 13.7



#38
Carbon Tetrachloride
Concen: 47.855 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 117 Resp: 790241
Ion Ratio Lower Upper
117 100
119 97.8 78.2 117.4
121 31.6 25.3 37.9

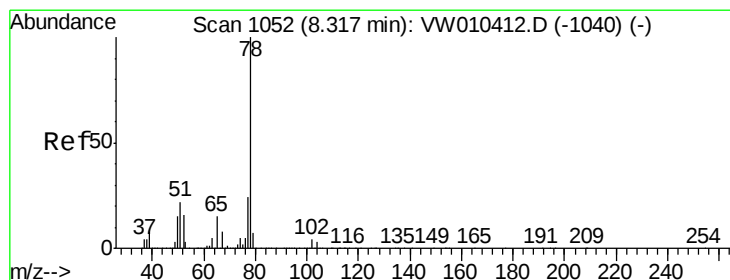
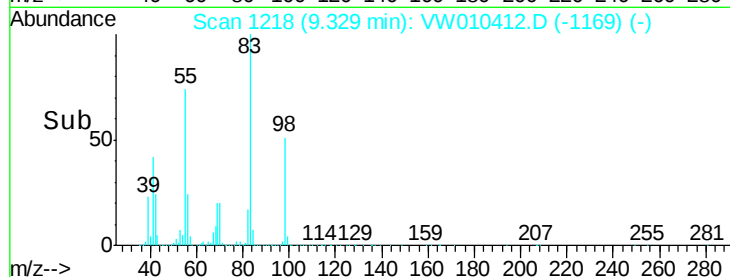
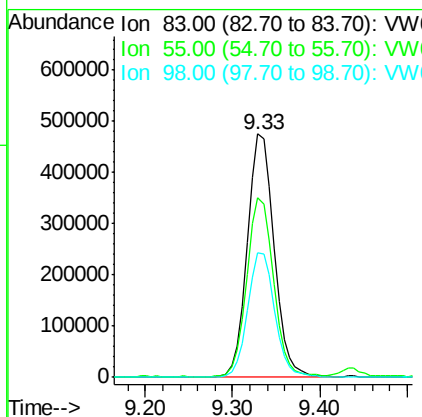
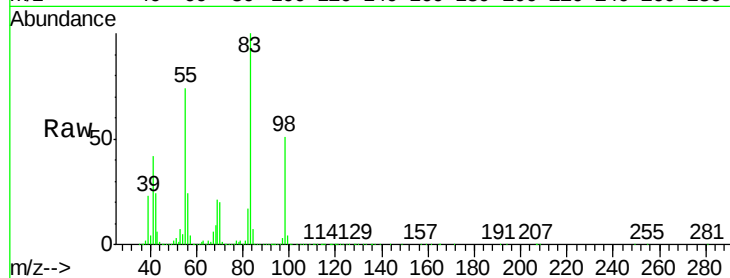




#39
Methvlcvclohexane
Concen: 43.775 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

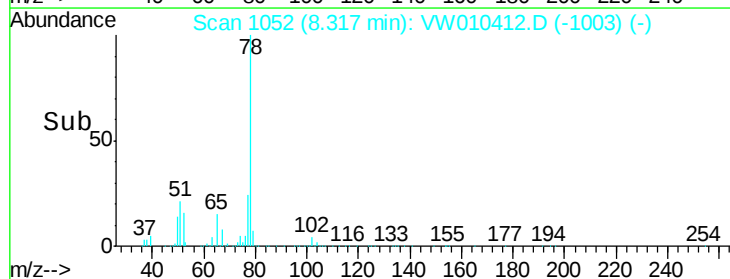
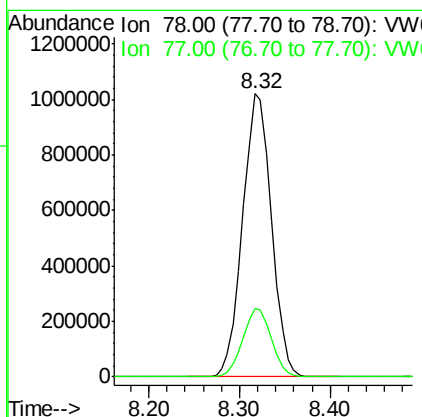
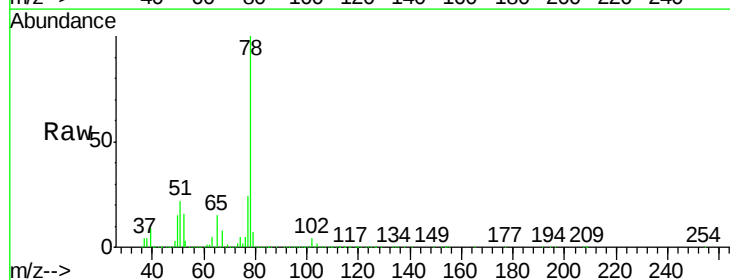
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

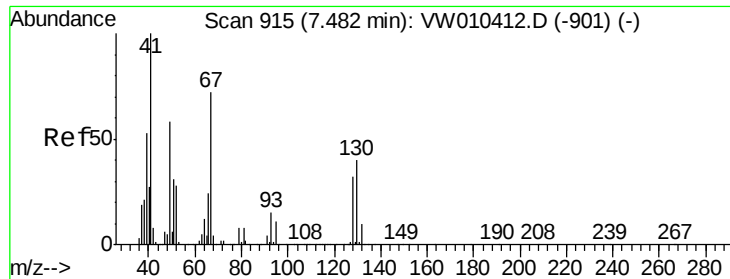
Tot Ion: 83 Resp: 1007630
Ion Ratio Lower Upper
83 100
55 73.4 58.7 88.1
98 50.9 40.7 61.1



#40
Benzene
Concen: 43.319 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 78 Resp: 2245660
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

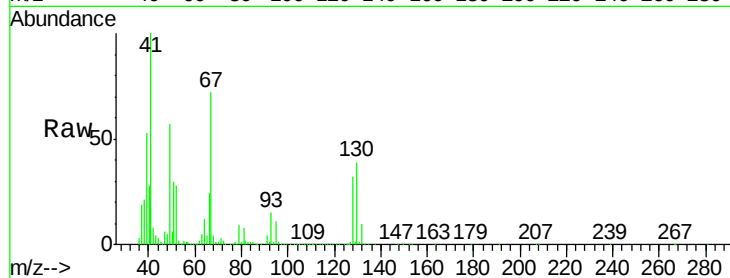




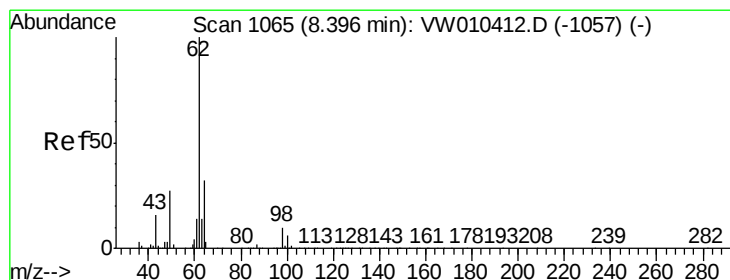
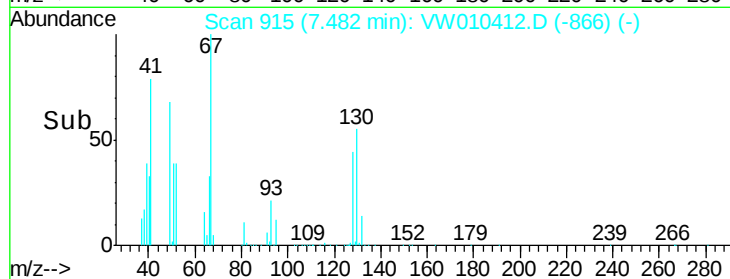
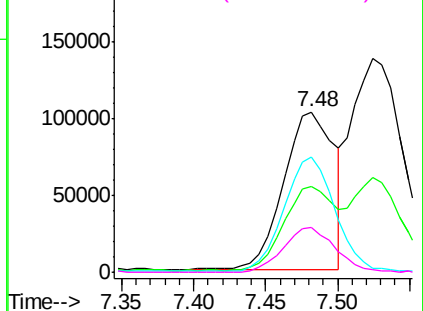
#41
Methacrylonitrile
Concen: 44.745 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:	41	Resp:	250866
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.7	64.1
67	73.5	58.8	88.2
52	29.0	23.2	34.8

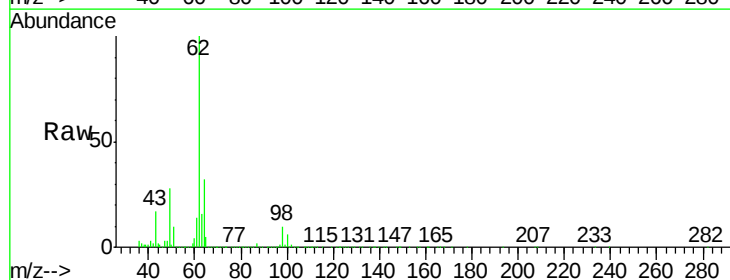


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

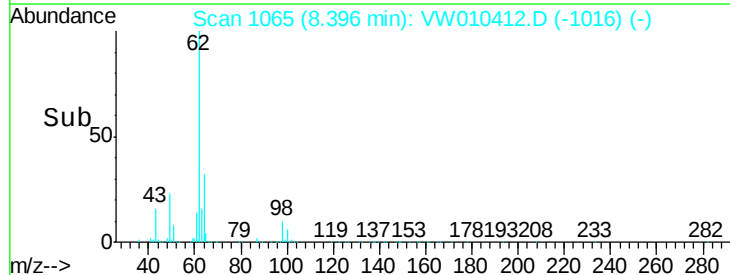
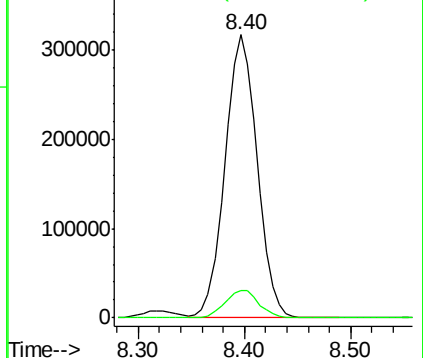


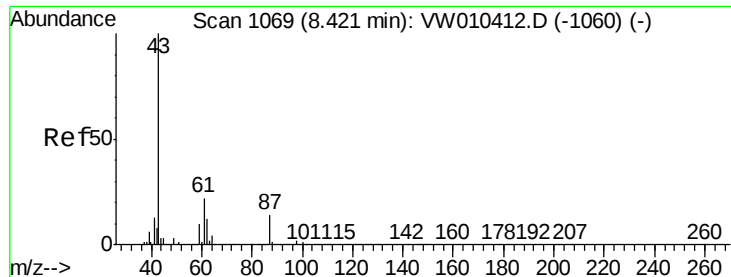
#42
1,2-Dichloroethane
Concen: 44.897 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:	62	Resp:	670279
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 50.065 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

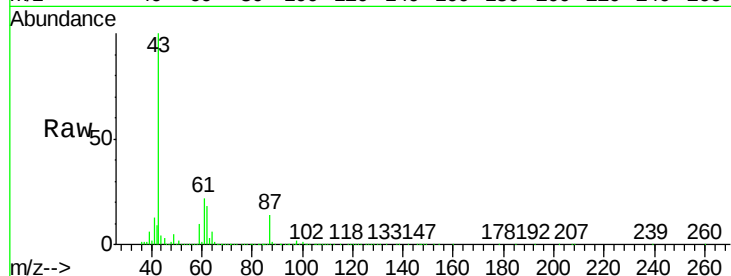
Tot Ion: 43 Resp: 853164

Ion Ratio Lower Upper

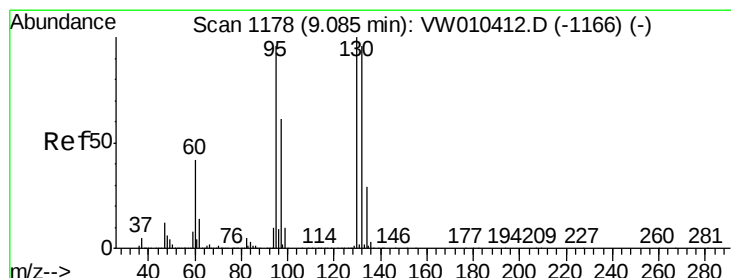
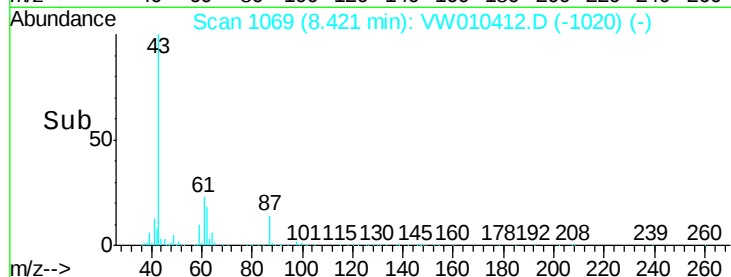
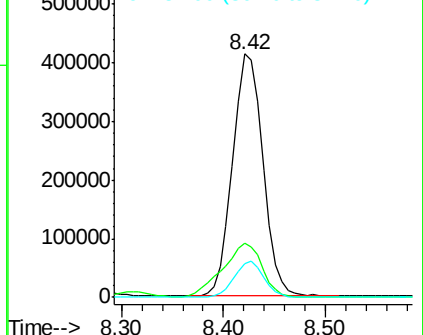
43 100

61 29.1 23.3 34.9

87 14.5 11.6 17.4



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: 48.632 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW010412.D

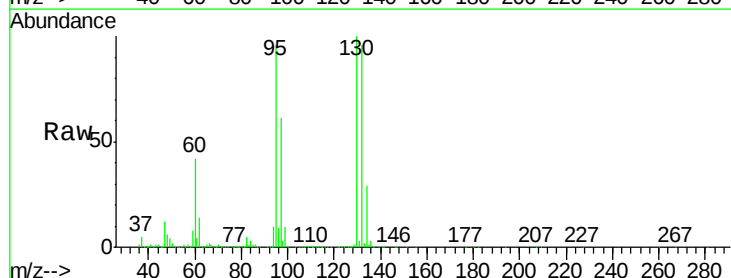
Acq: 16 May 2019 20:02

Tgt Ion: 130 Resp: 644008

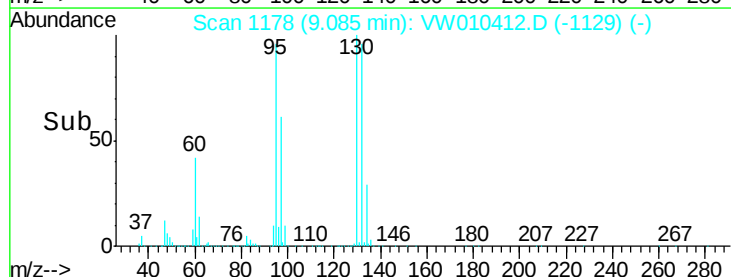
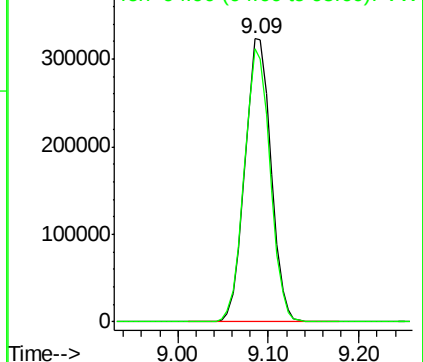
Ion Ratio Lower Upper

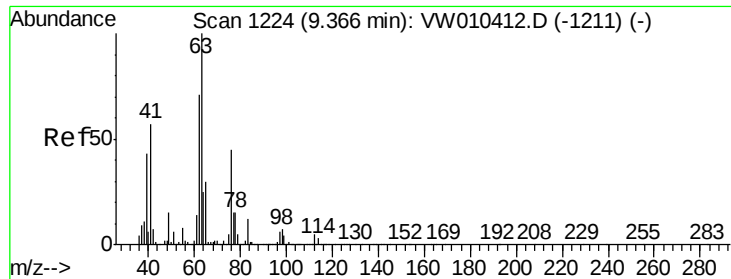
130 100

95 96.2 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

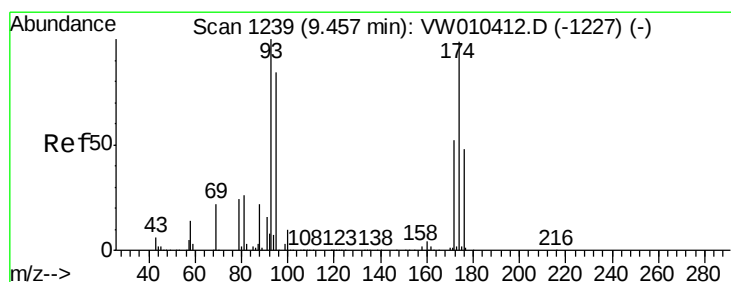
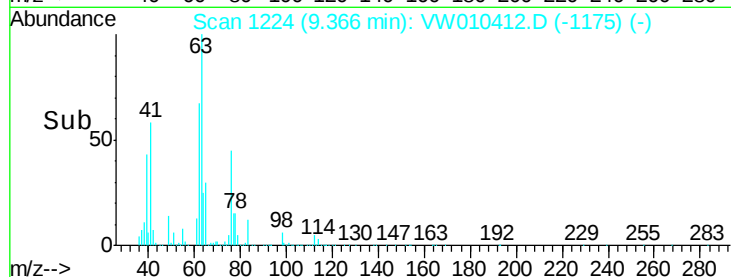
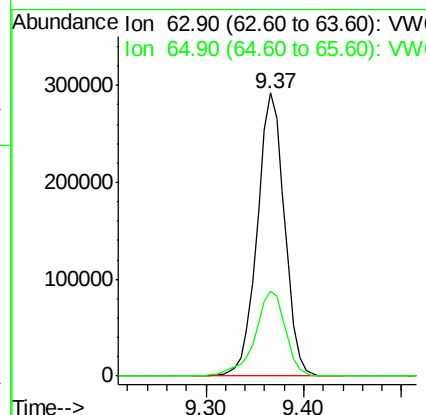
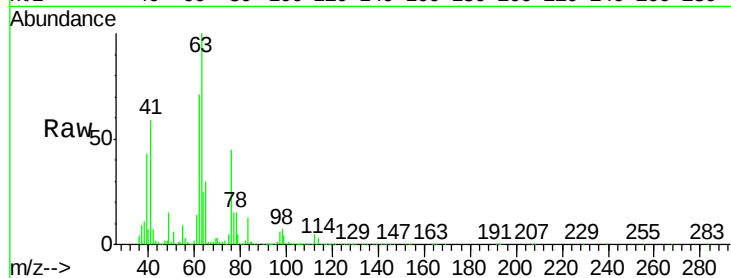




#45
 1,2-Dichloropropane
 Concen: 44.003 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

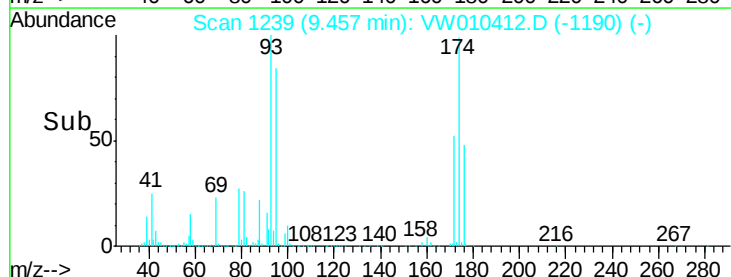
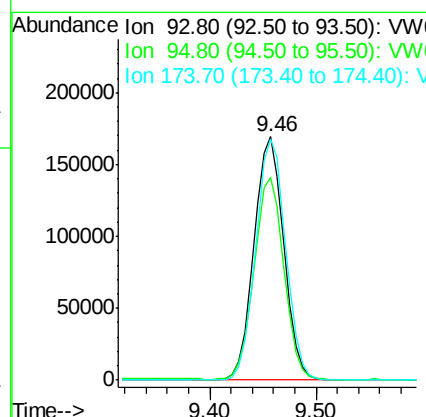
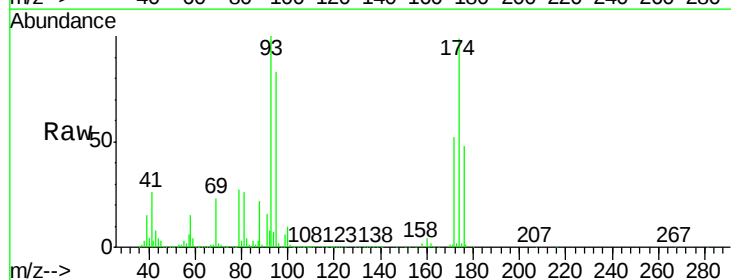
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

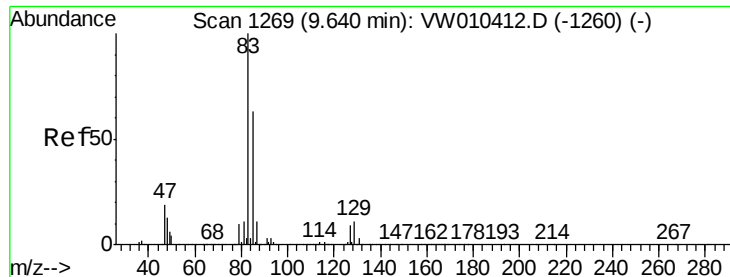
Tot Ion: 63 Resp: 568052
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1



#46
 Dibromomethane
 Concen: 48.740 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Tgt Ion: 93 Resp: 331481
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 99.7 79.8 119.6

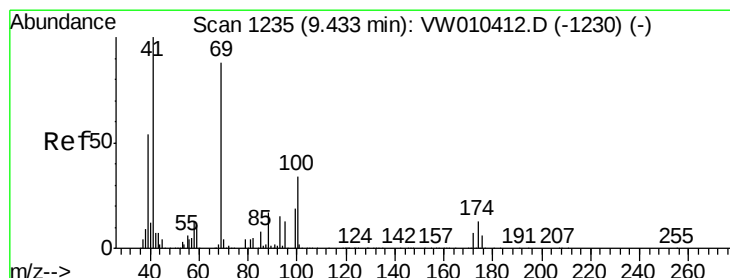
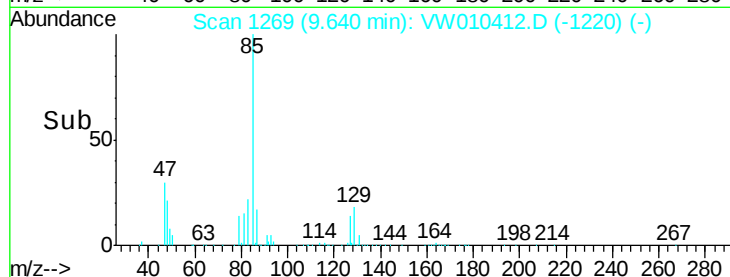
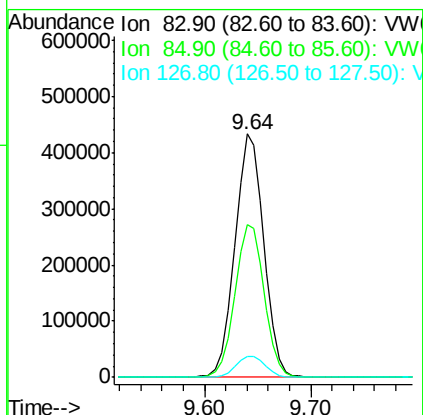
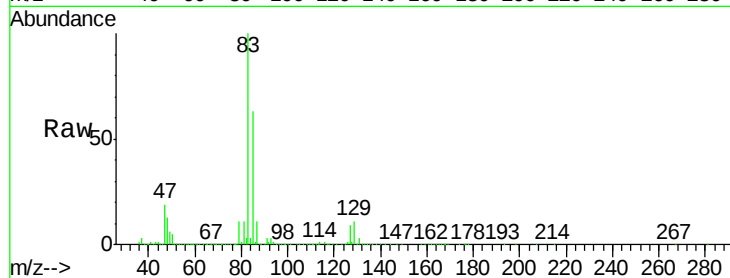




#47
Bromodichloromethane
Concen: 50.039 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

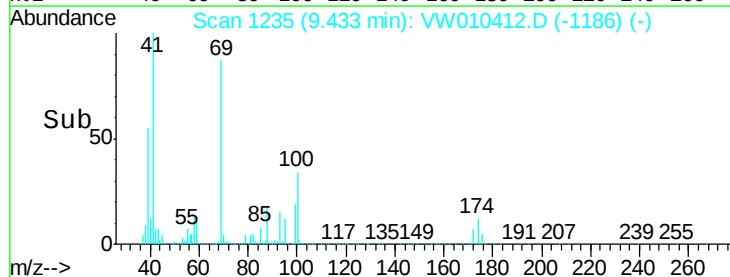
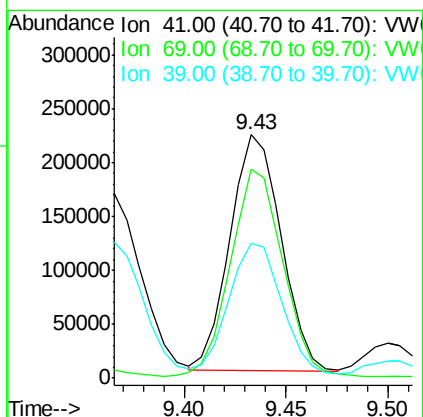
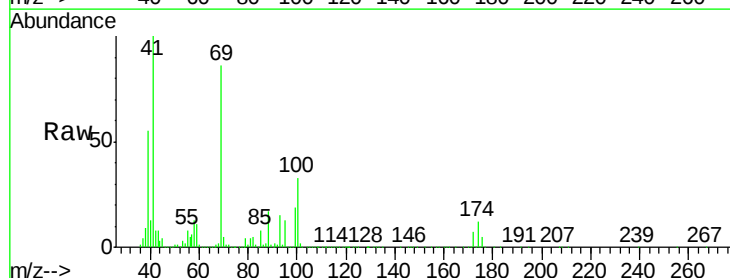
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

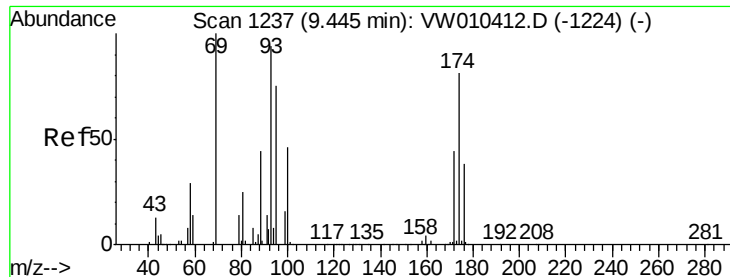
Tot Ion	83	Resp	820060
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.2	75.2
127	8.6	6.9	10.3



#48
Methyl methacrylate
Concen: 47.918 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion	41	Resp	380335
Ion Ratio	Lower	Upper	
41	100		
69	90.7	72.6	108.8
39	60.0	48.0	72.0





#49

1,4-Dioxane

Concen: 1018.244 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

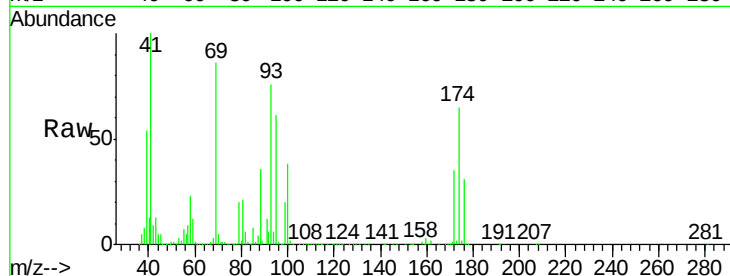
Tot Ion: 88 Resp: 120113

Ion Ratio Lower Upper

88 100

43 30.7 24.6 36.8

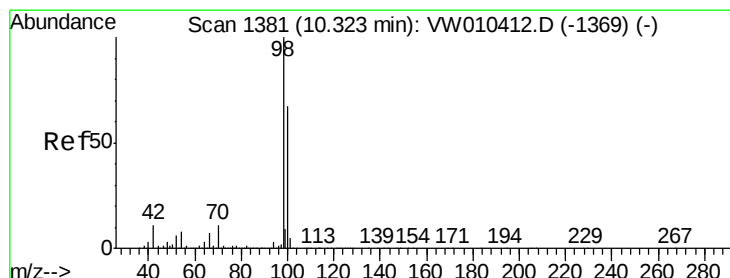
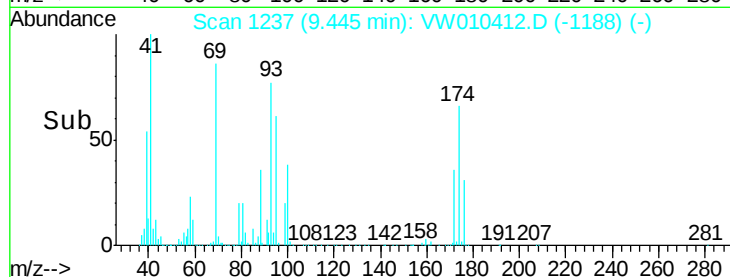
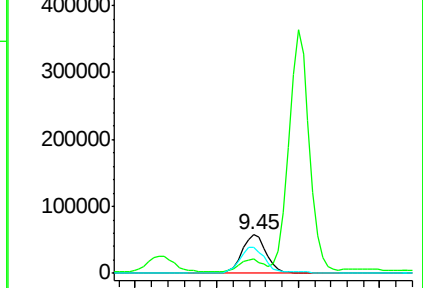
58 70.3 56.2 84.4



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: 51.313 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010412.D

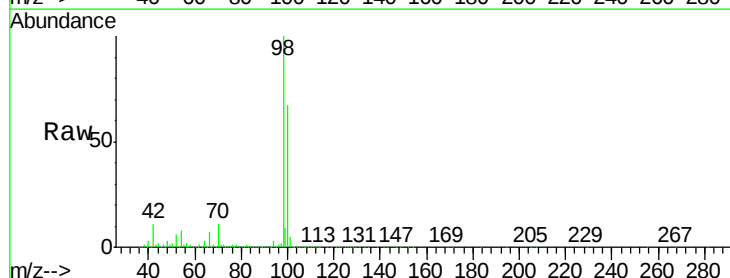
Acq: 16 May 2019 20:02

Tgt Ion: 98 Resp: 2174136

Ion Ratio Lower Upper

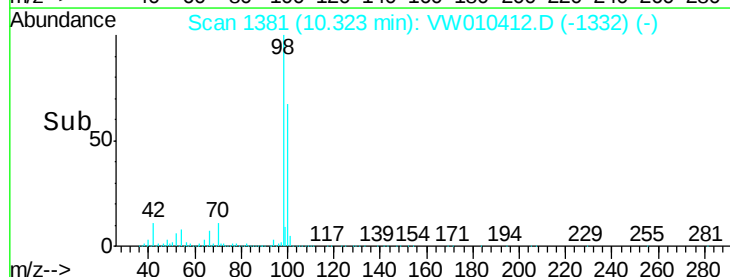
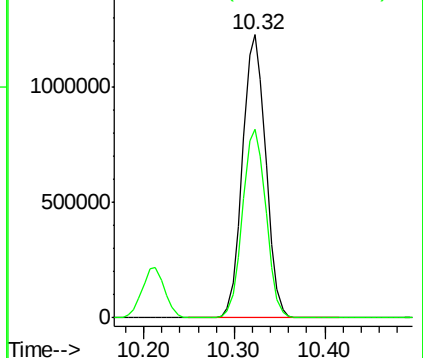
98 100

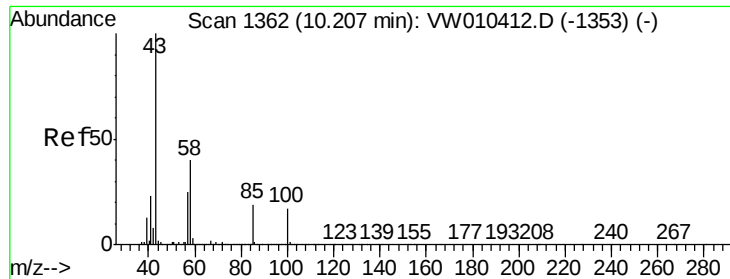
100 67.0 53.6 80.4



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: 230.141 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampled :

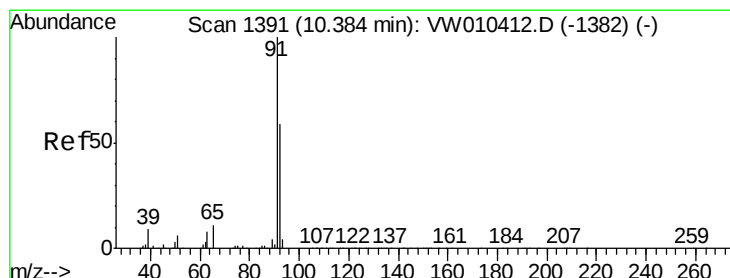
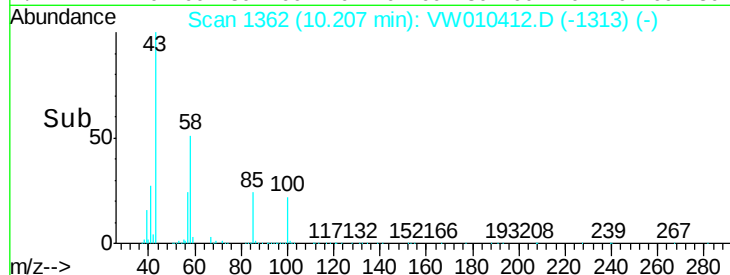
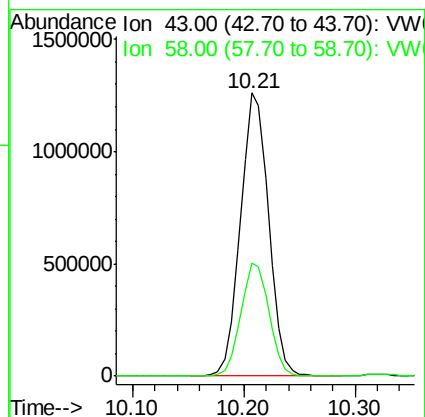
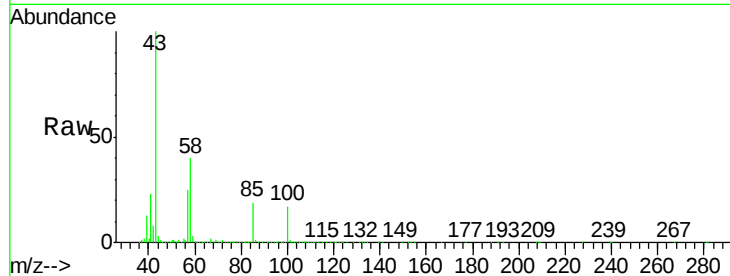
VSTDICCC050

Tot Ion: 43 Resp: 2198875

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1



#52

Toluene

Concen: 47.156 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010412.D

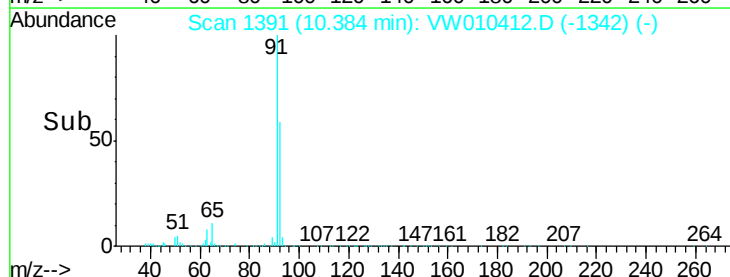
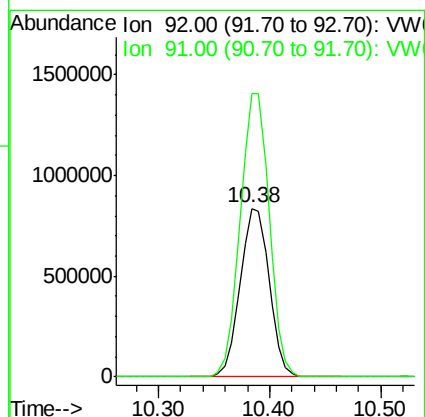
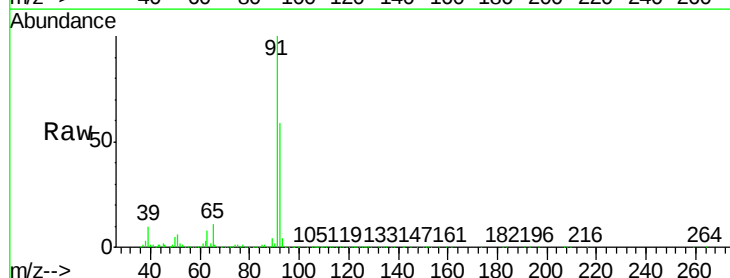
Acq: 16 May 2019 20:02

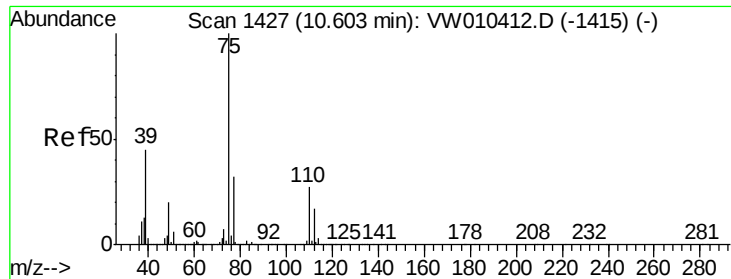
Tgt Ion: 92 Resp: 1510884

Ion Ratio Lower Upper

92 100

91 168.6 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 52.114 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampled :

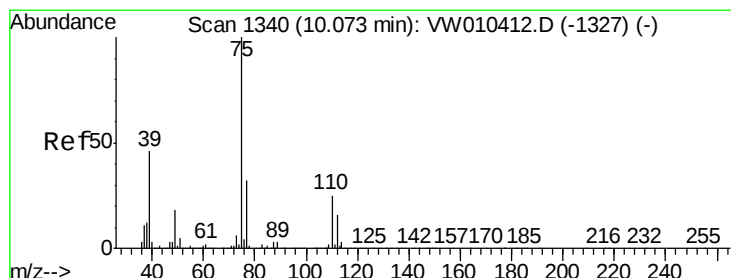
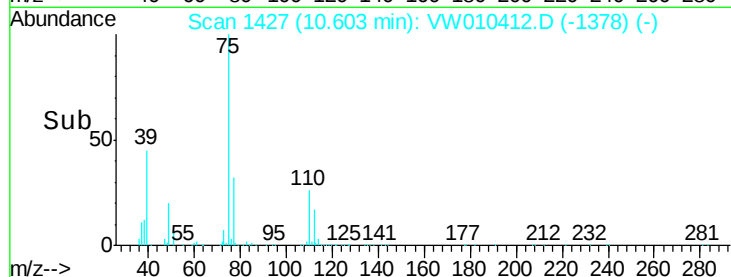
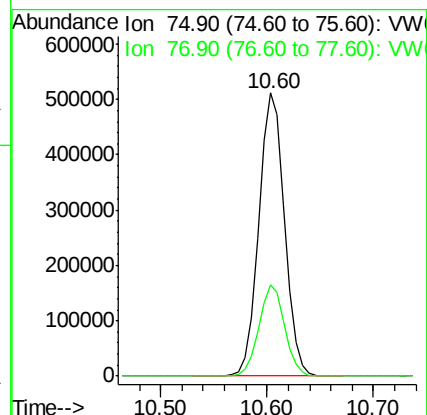
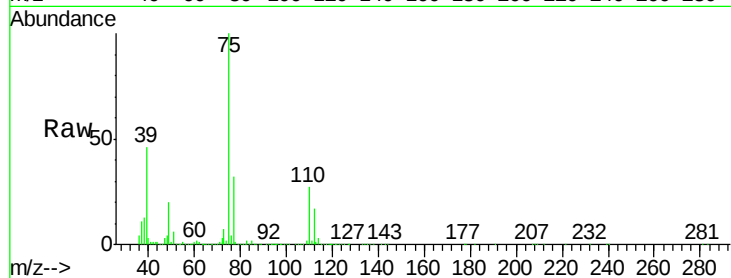
VSTDICCC050

Tot Ion: 75 Resp: 865092

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 49.650 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

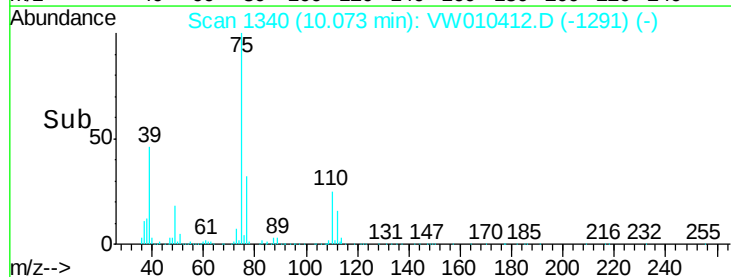
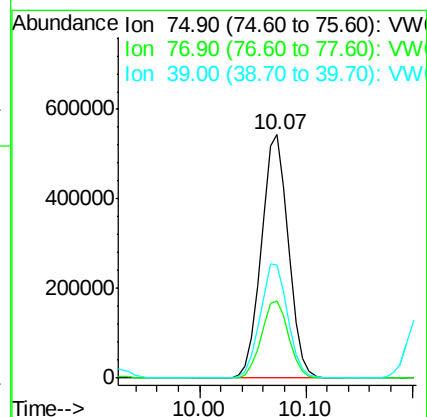
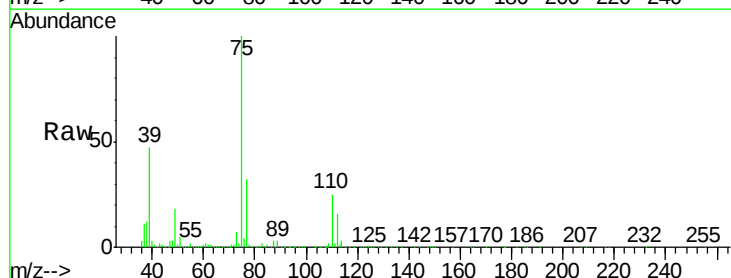
Tgt Ion: 75 Resp: 969416

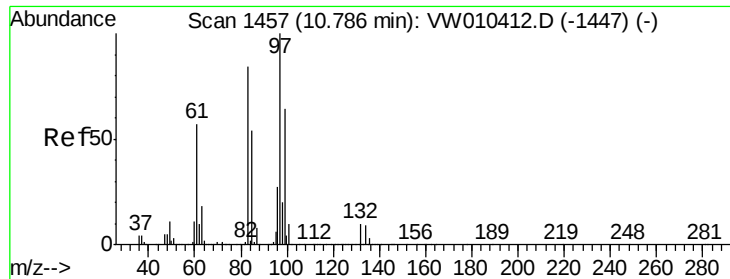
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 46.4 37.1 55.7

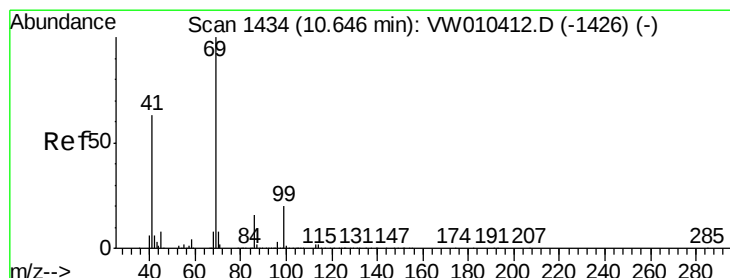
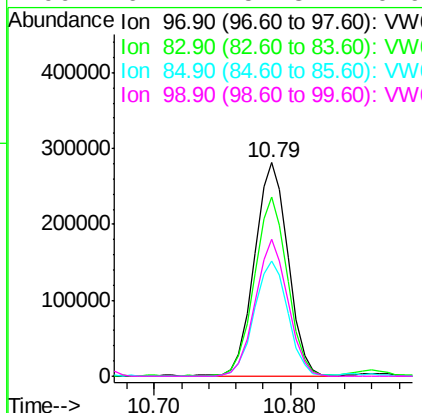
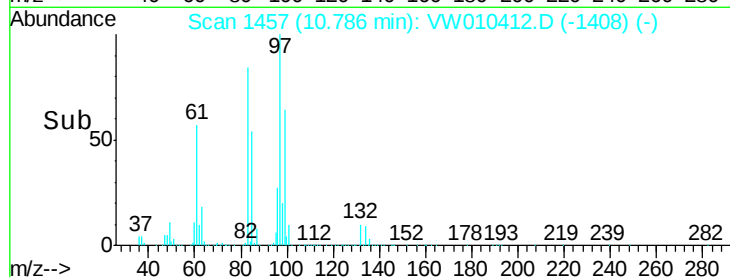
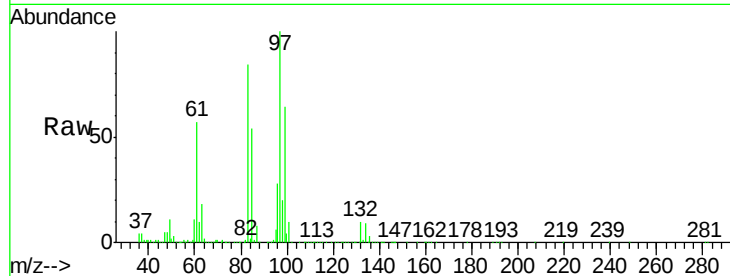




#55
 1,1,2-Trichloroethane
 Concen: 49.826 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

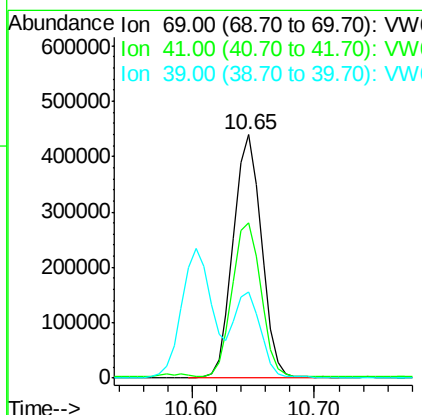
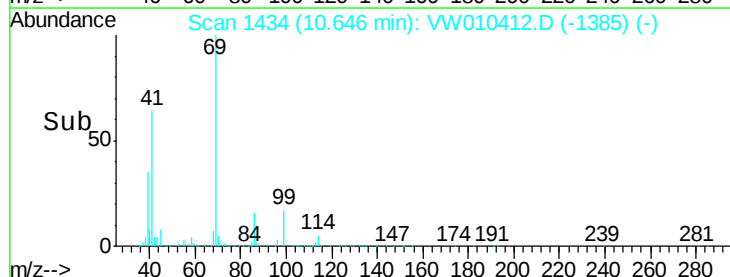
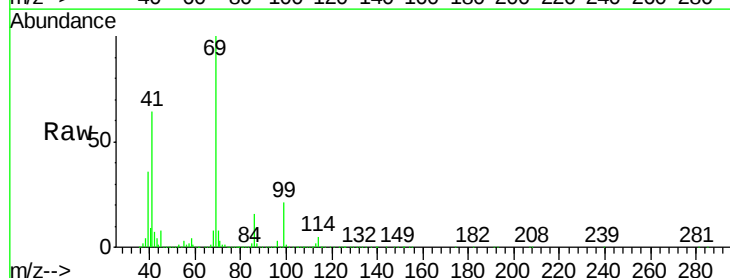
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

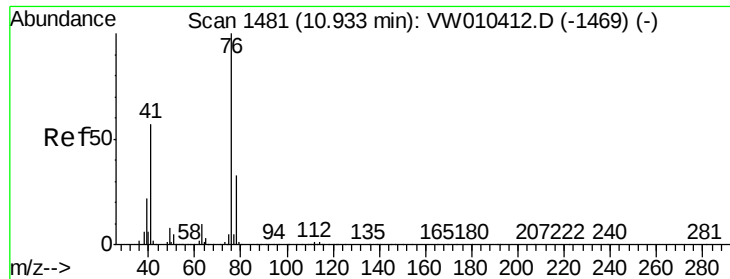
Tot Ion:	97	Resp:	483703
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.2	100.8
85	53.9	43.1	64.7
99	64.1	51.3	76.9



#56
 Ethyl methacrylate
 Concen: 54.424 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Tgt Ion:	69	Resp:	700202
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.7	77.5
39	32.7	26.2	39.2





#57

1,3-Dichloropropane

Concen: 47.401 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

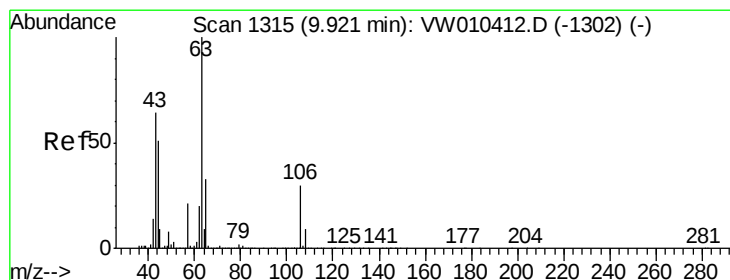
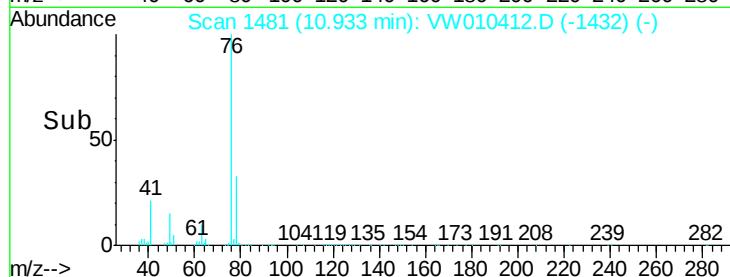
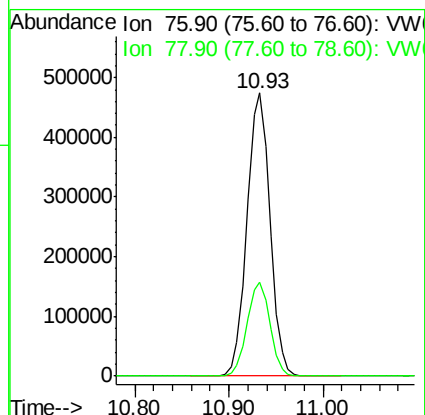
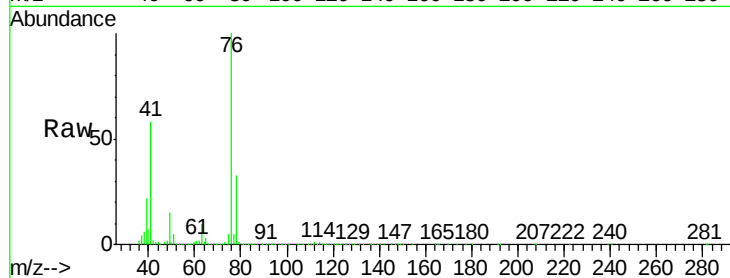
VSTDICCC050

Tot Ion: 76 Resp: 810893

Ion Ratio Lower Upper

76 100

78 32.8 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 261.130 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010412.D

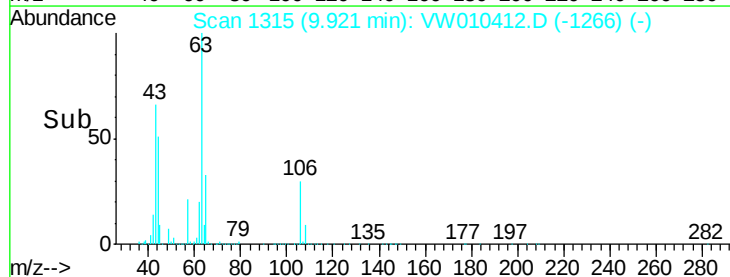
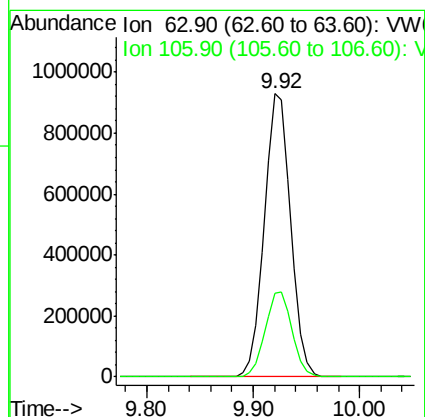
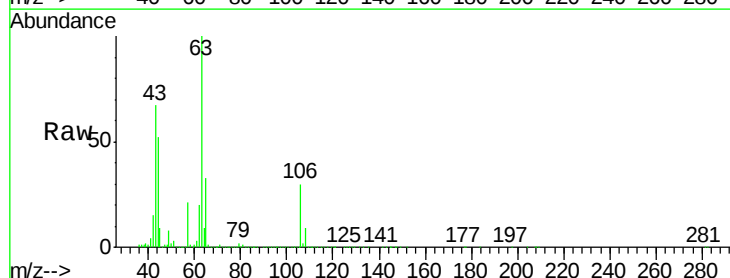
Acq: 16 May 2019 20:02

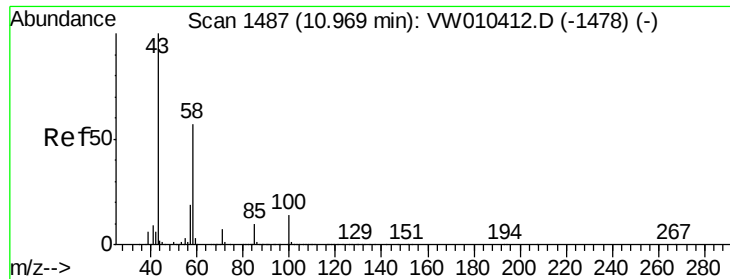
Tgt Ion: 63 Resp: 1610697

Ion Ratio Lower Upper

63 100

106 30.6 24.5 36.7





#59

2-Hexanone

Concen: 233.429 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

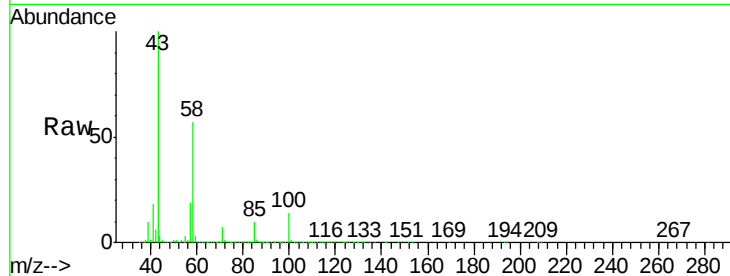
VSTDICCC050

Tot Ion: 43 Resp: 1574689

Ion Ratio Lower Upper

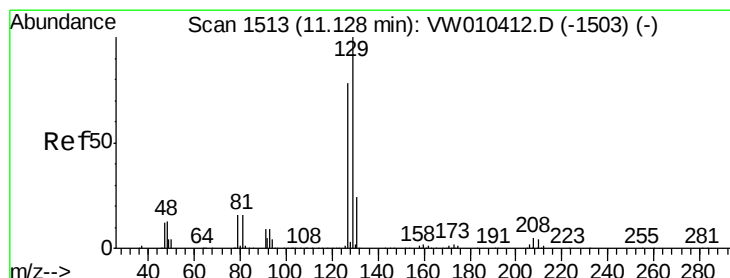
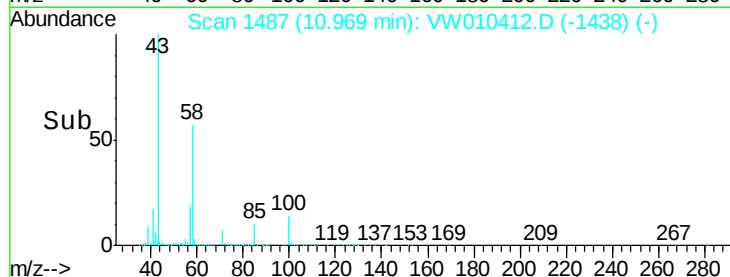
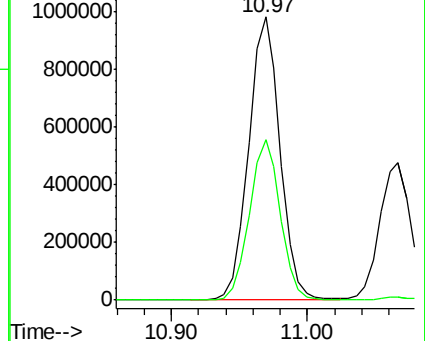
43 100

58 55.9 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 56.478 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010412.D

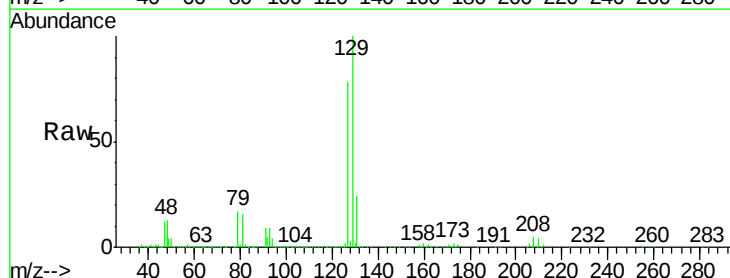
Acq: 16 May 2019 20:02

Tgt Ion: 129 Resp: 603920

Ion Ratio Lower Upper

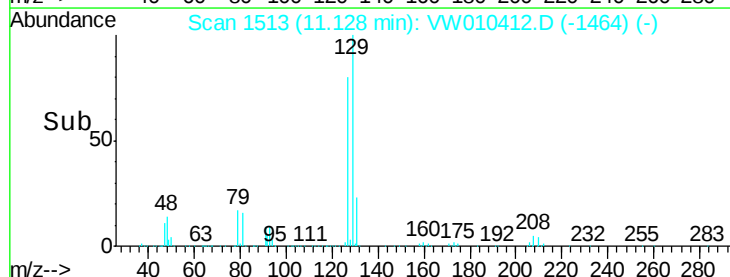
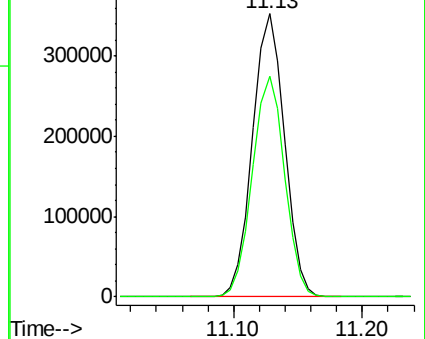
129 100

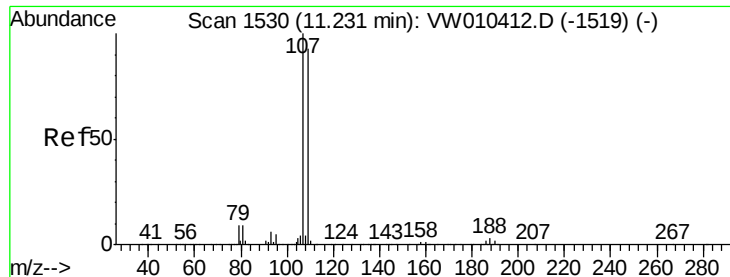
127 78.6 39.3 117.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 52.100 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

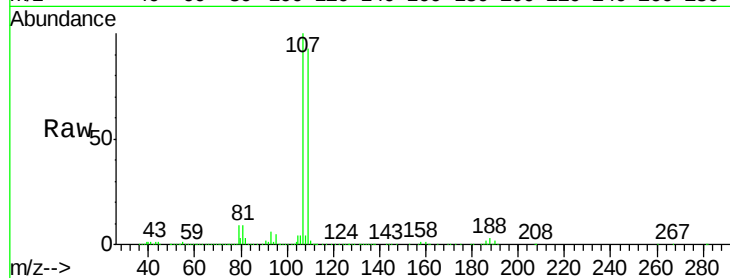
VSTDICCC050

Tot Ion: 107 Resp: 488269

Ion Ratio Lower Upper

107 100

109 93.9 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

300000

250000

200000

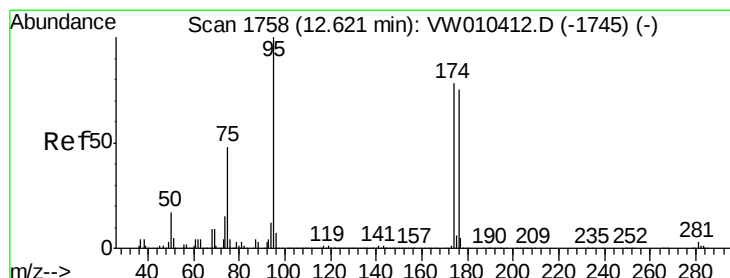
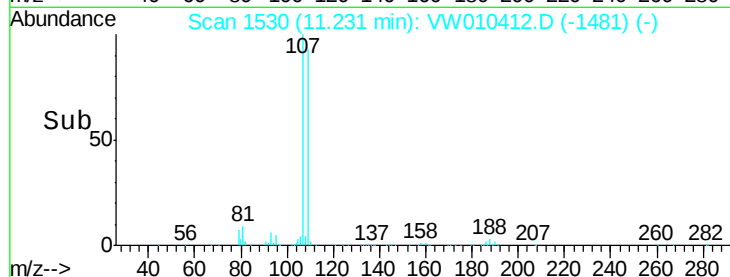
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.792 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

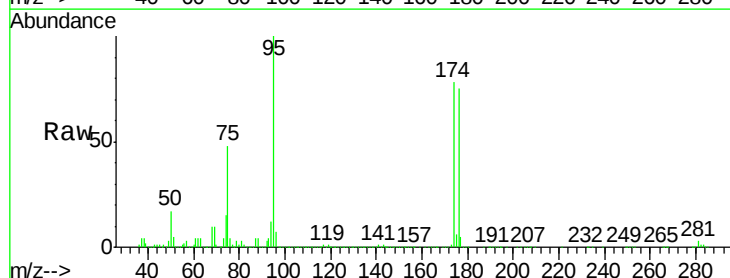
Tgt Ion: 95 Resp: 849097

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 72.3 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

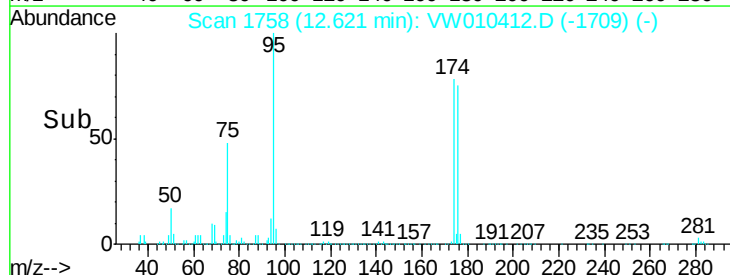
600000

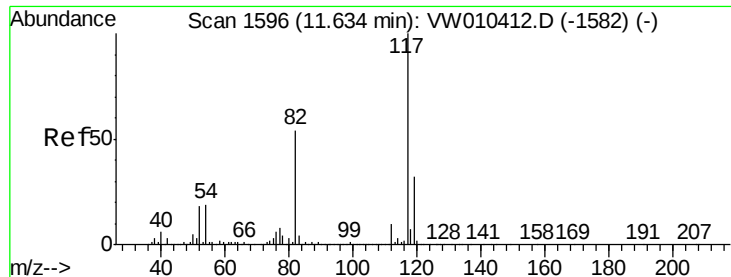
400000

200000

0

Time-->

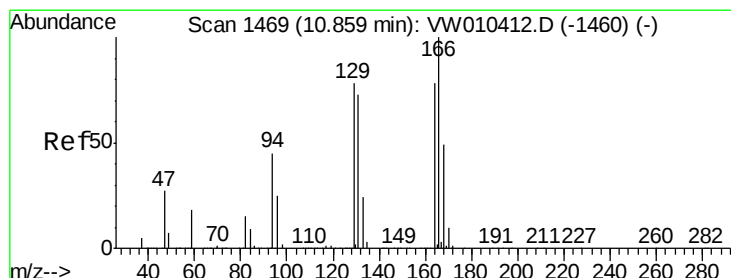
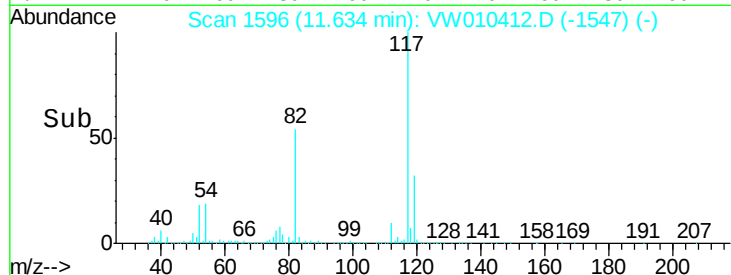
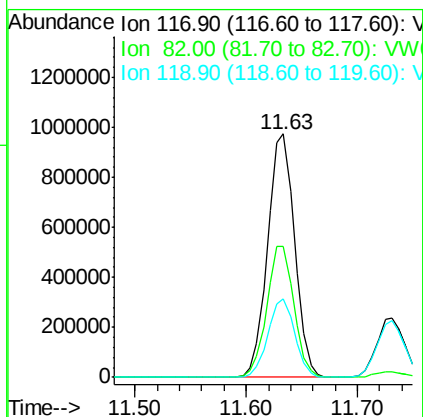
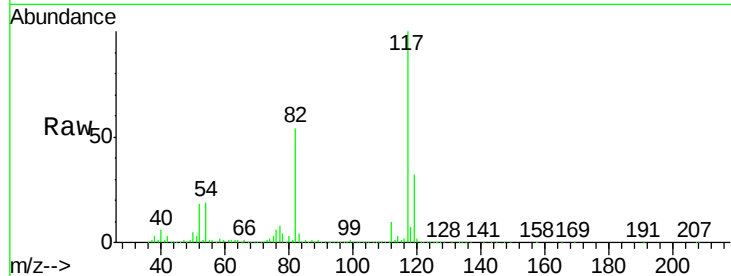




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

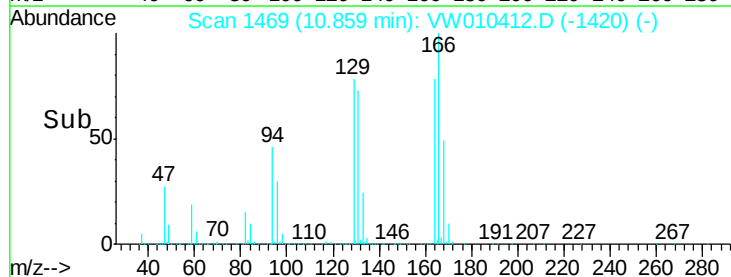
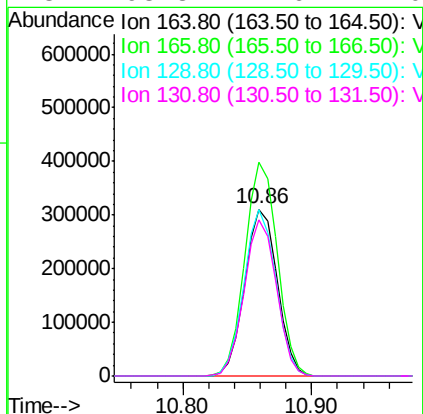
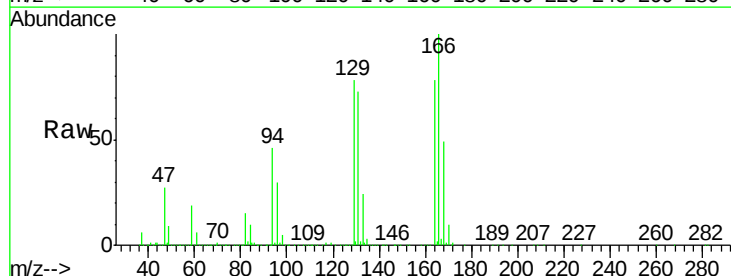
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

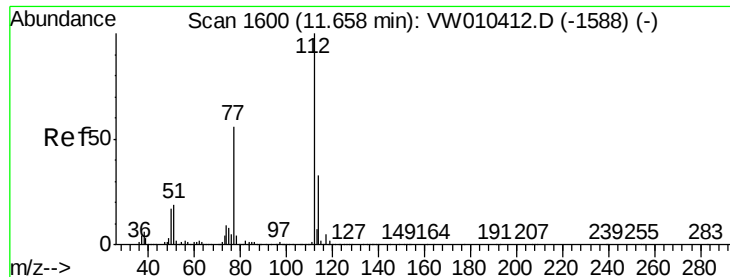
Tot Ion:117 Resp: 1651062
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.6
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 47.154 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:164 Resp: 540026
Ion Ratio Lower Upper
164 100
166 127.9 102.3 153.5
129 99.5 79.6 119.4
131 93.3 74.6 112.0

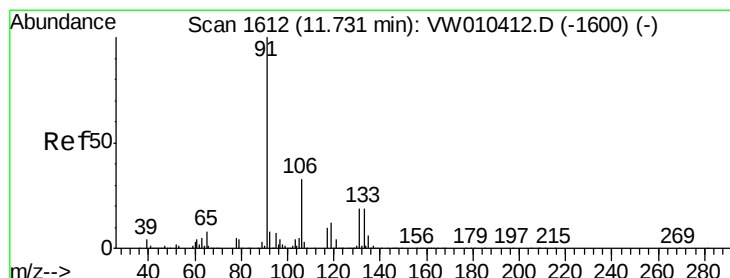
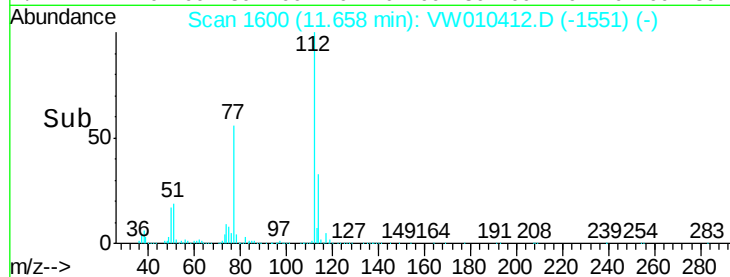
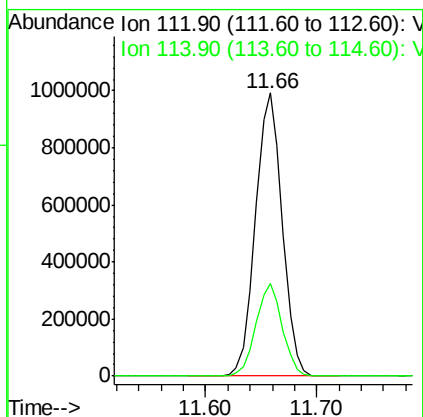
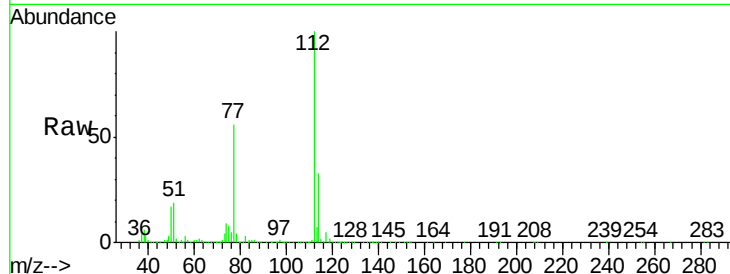




#65
Chlorobenzene
Concen: 48.640 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

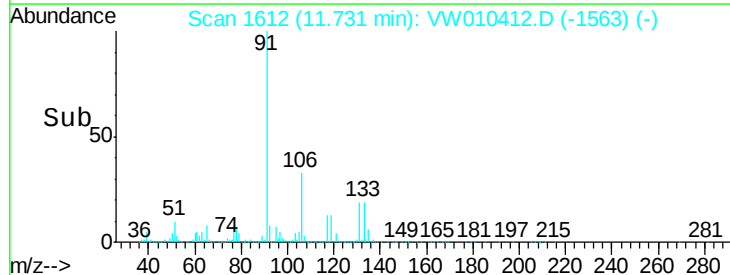
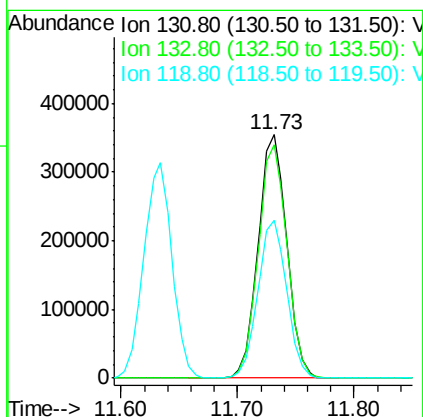
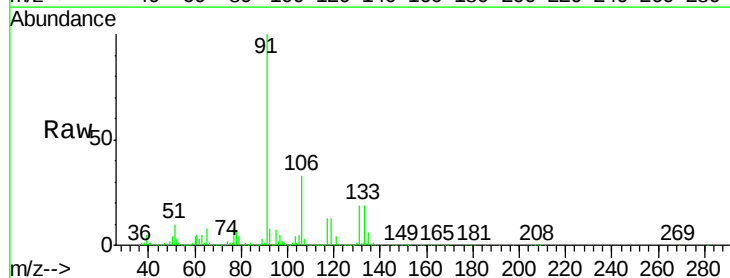
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

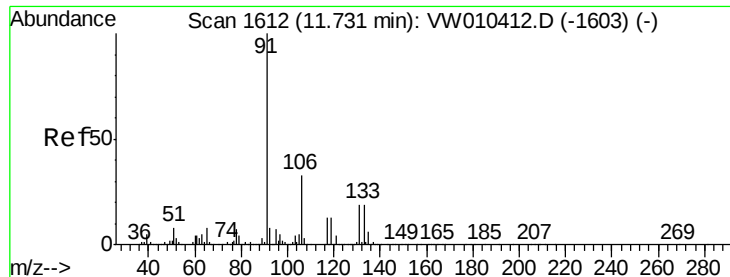
Tot Ion:112 Resp: 1659341
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 52.094 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:131 Resp: 608381
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 64.7 32.4 97.0





#67

Ethyl Benzene

Concen: 47.039 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

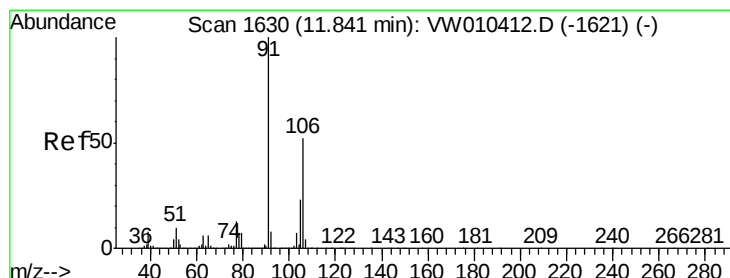
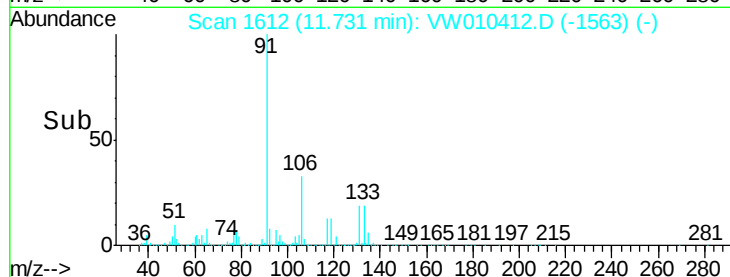
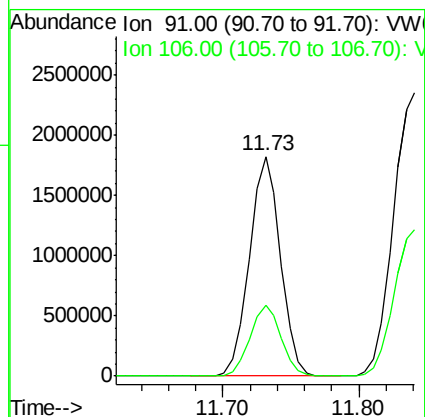
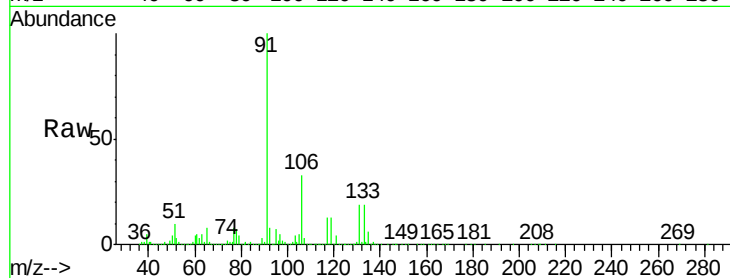
VSTDICCC050

Tot Ion: 91 Resp: 2909897

Ion Ratio Lower Upper

91 100

106 32.5 26.0 39.0



#68

m/p-Xylenes

Concen: 98.926 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010412.D

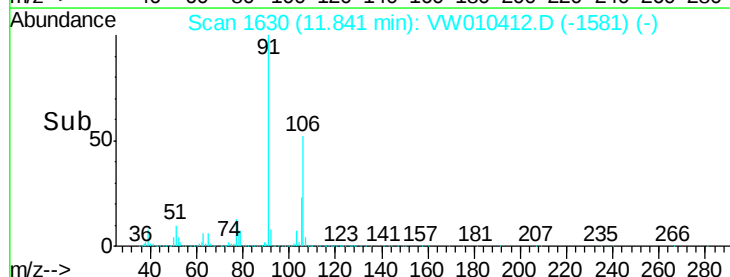
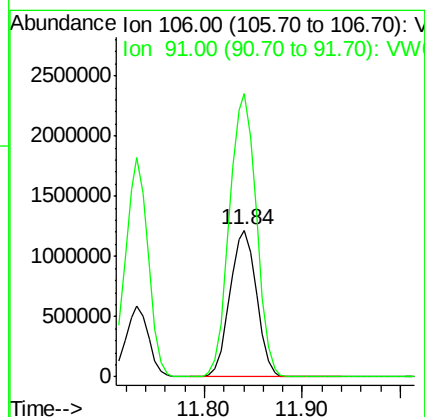
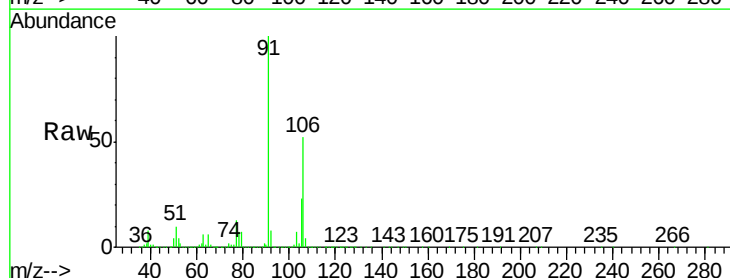
Acq: 16 May 2019 20:02

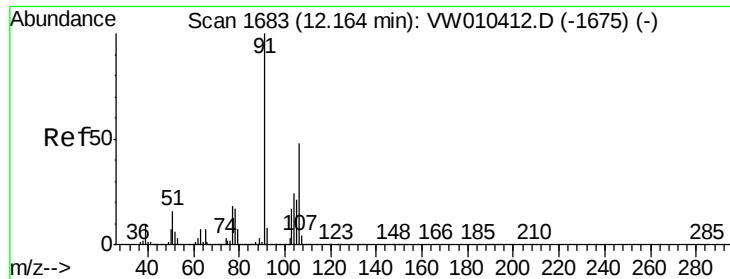
Tgt Ion:106 Resp: 2293961

Ion Ratio Lower Upper

106 100

91 195.2 156.2 234.2

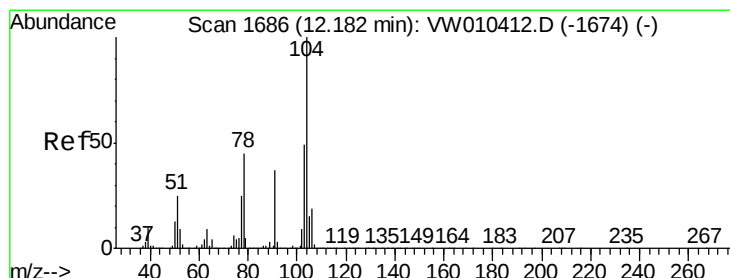
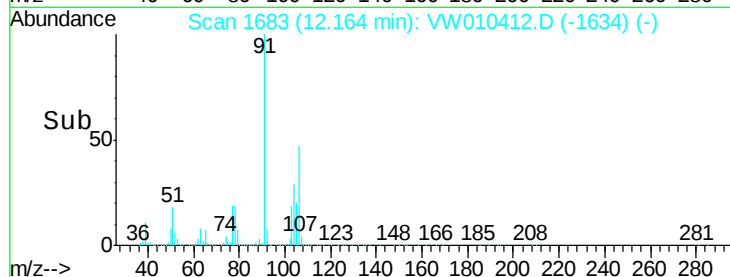
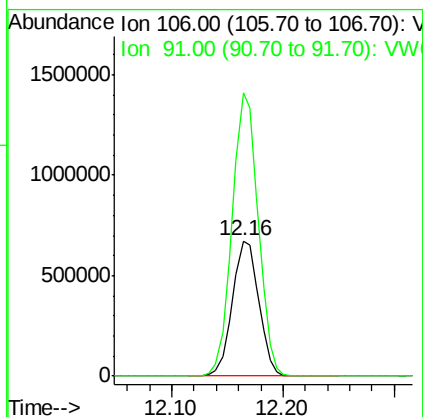
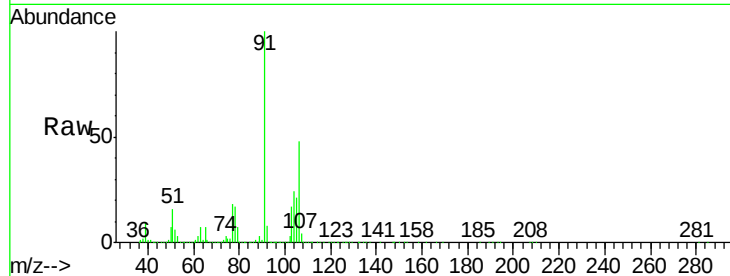




#69
o-Xylene
Concen: 52.231 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

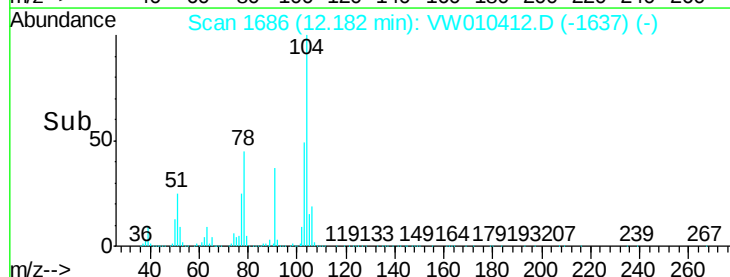
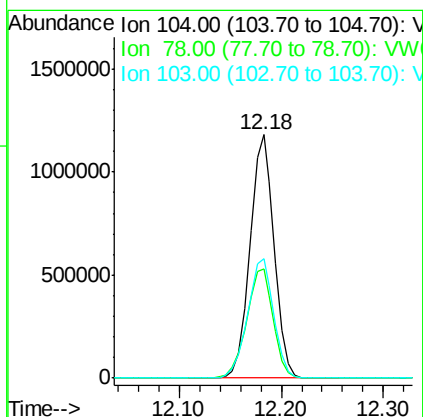
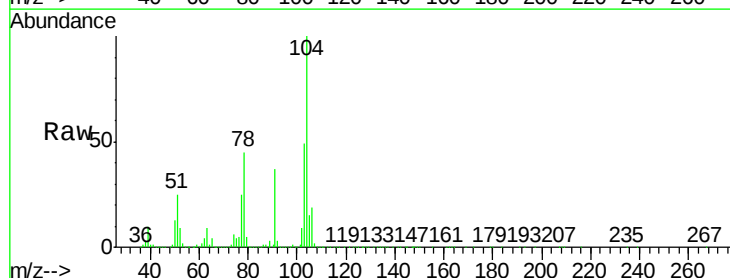
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

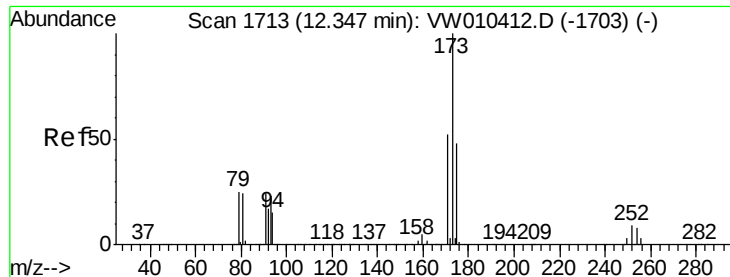
Tot Ion:106 Resp: 1106240
Ion Ratio Lower Upper
106 100
91 205.5 102.8 308.3



#70
Styrene
Concen: 52.655 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:104 Resp: 1940325
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.2
103 53.3 42.6 64.0





#71

Bromoform

Concen: 55.275 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

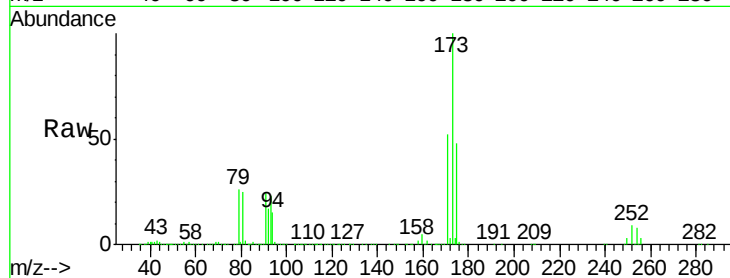
Tot Ion:173 Resp: 373464

Ion Ratio Lower Upper

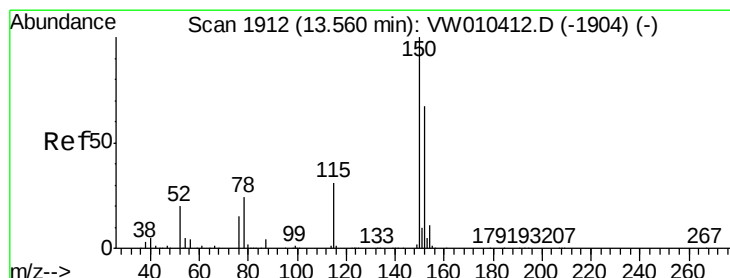
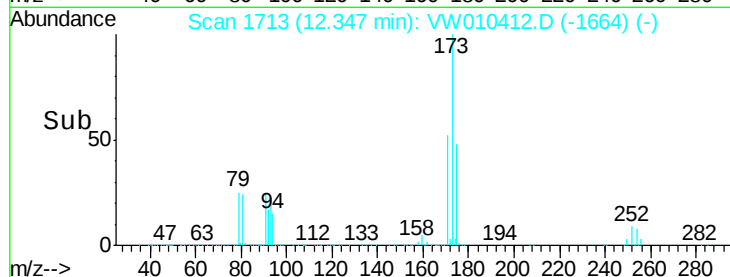
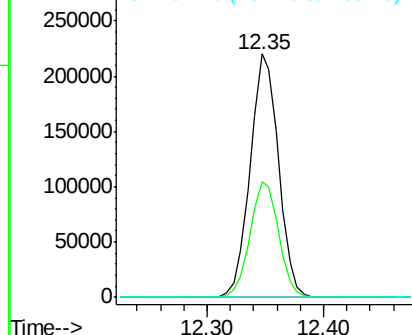
173 100

175 48.1 24.1 72.2

254 0.2 0.2 0.2



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: VW010412.D

Acq: 16 May 2019 20:02

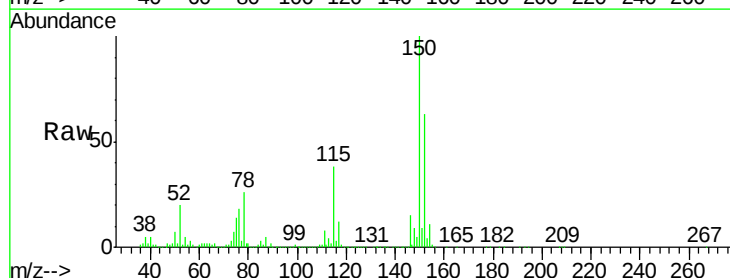
Tgt Ion:152 Resp: 803975

Ion Ratio Lower Upper

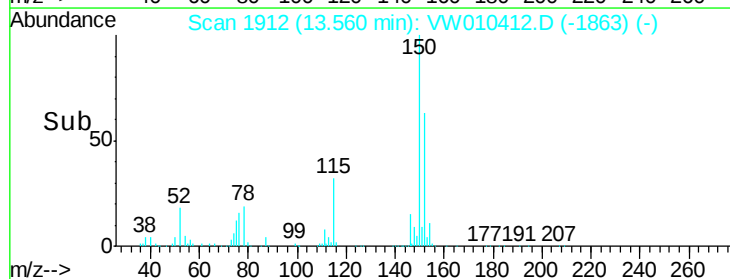
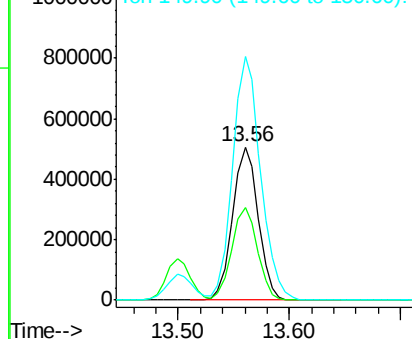
152 100

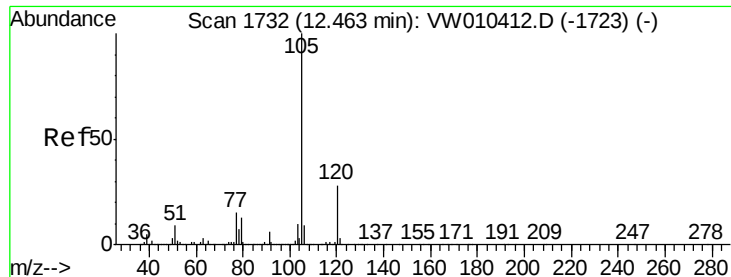
115 60.4 30.2 90.6

150 174.0 0.0 348.0



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





#73

Isopropylbenzene

Concen: 50.398 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

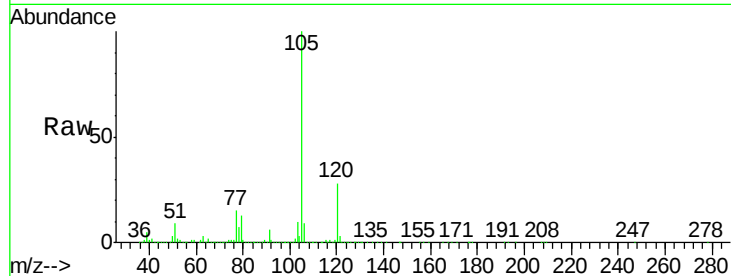
VSTDICCC050

Tot Ion:105 Resp: 2936942

Ion Ratio Lower Upper

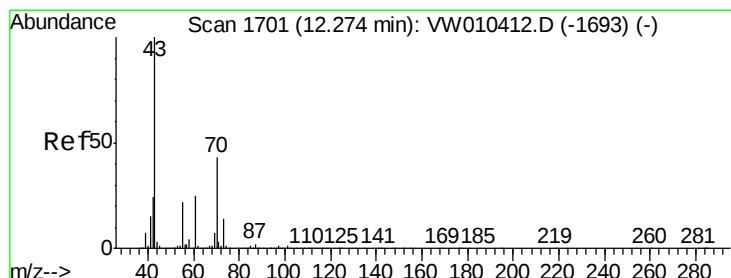
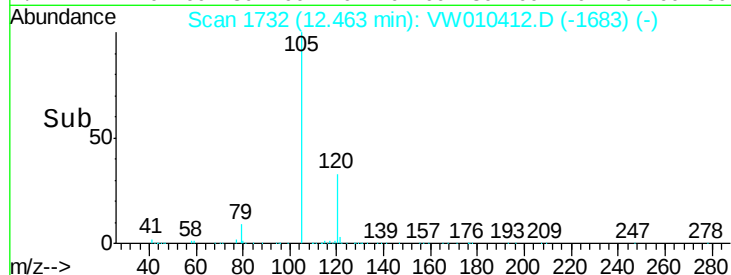
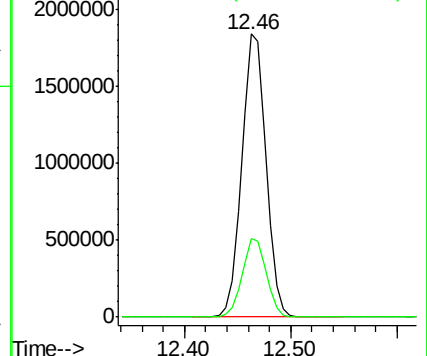
105 100

120 27.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.093 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Tgt Ion: 43 Resp: 863443

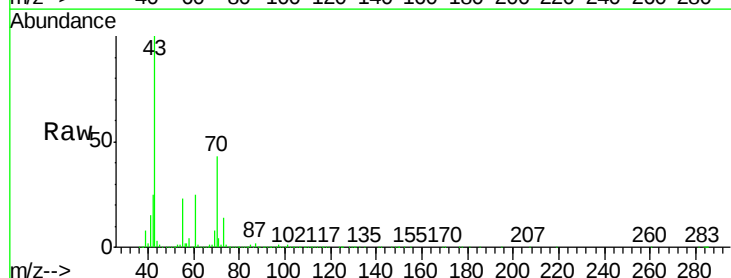
Ion Ratio Lower Upper

43 100

70 43.2 34.6 51.8

55 22.3 17.8 26.8

61 25.1 20.1 30.1

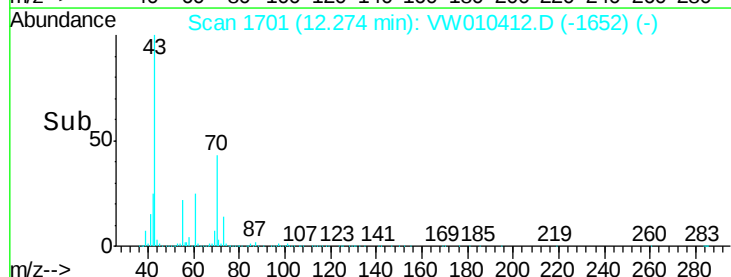
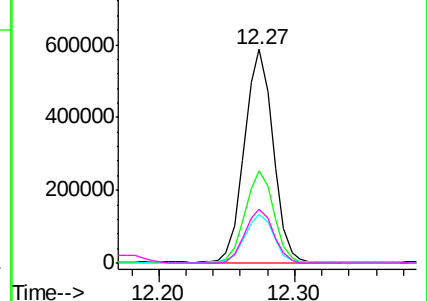


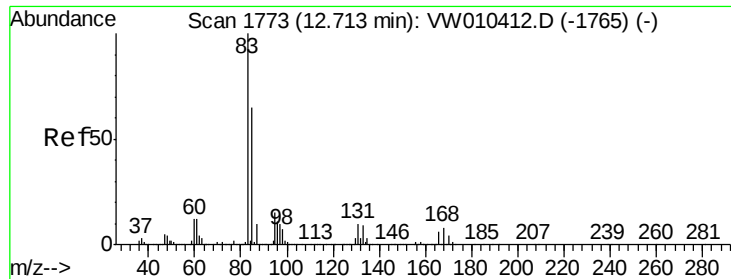
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 46.907 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

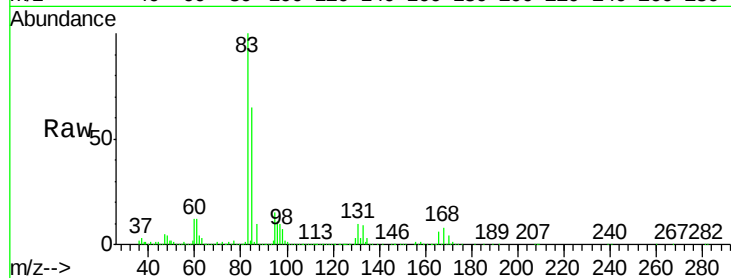
MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 600067

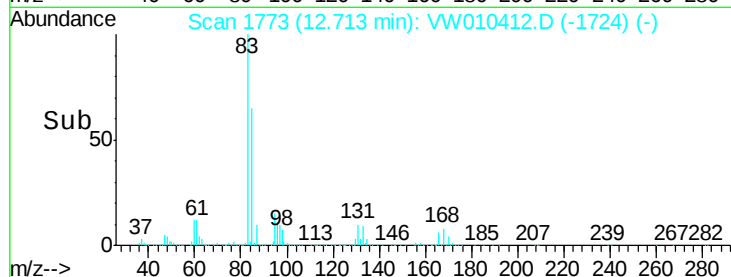
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.7	32.4	97.0



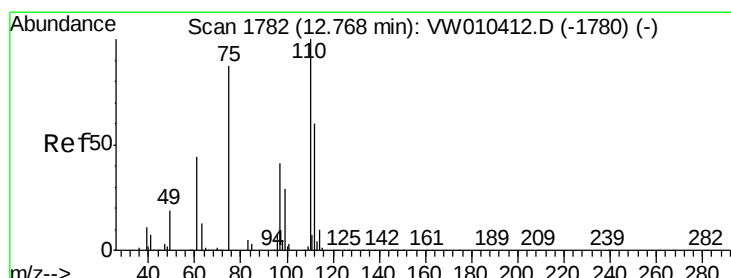
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



Time-->



#76

1,2,3-Trichloropropane

Concen: 44.706 ug/l m

RT: 12.77 min Scan# 1782

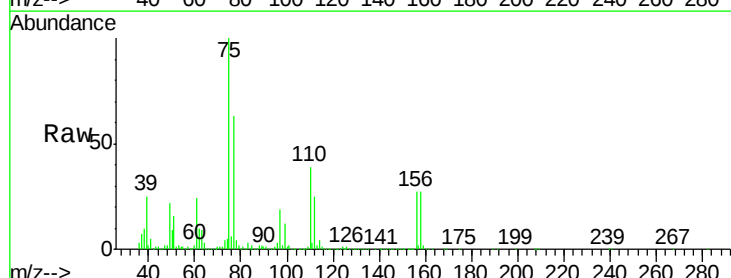
Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

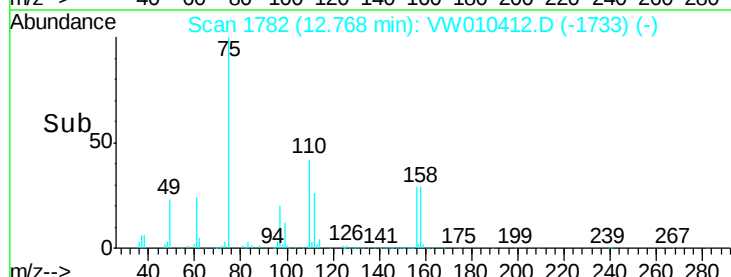
Tgt Ion: 75 Resp: 411297

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

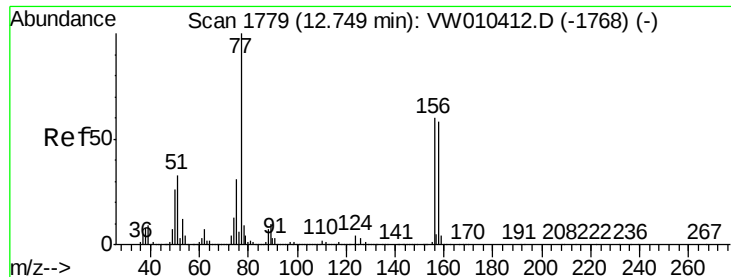


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#77

Bromobenzene

Concen: 51.787 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

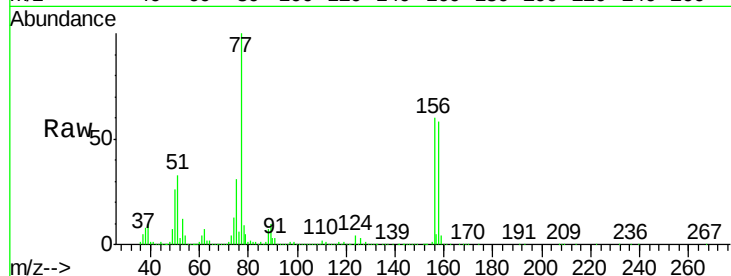
Tot Ion:156 Resp: 691712

Ion Ratio Lower Upper

156 100

77 190.8 95.4 286.2

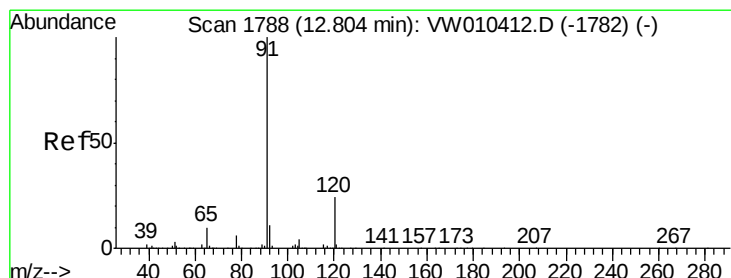
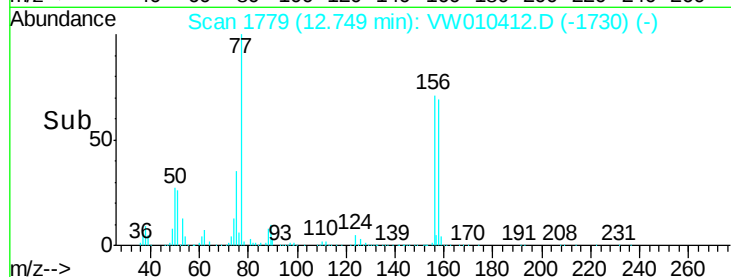
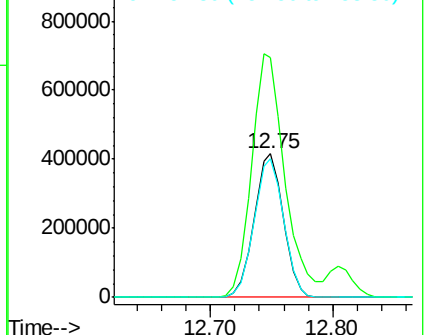
158 98.0 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.056 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010412.D

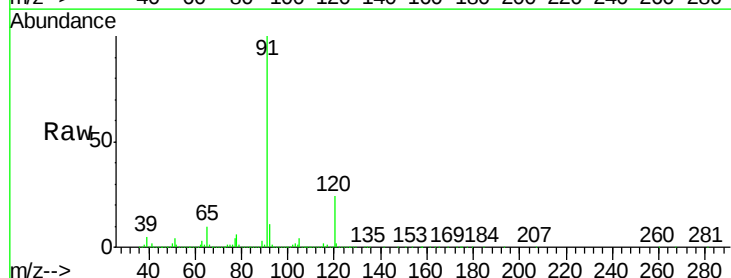
Acq: 16 May 2019 20:02

Tgt Ion: 91 Resp: 3426445

Ion Ratio Lower Upper

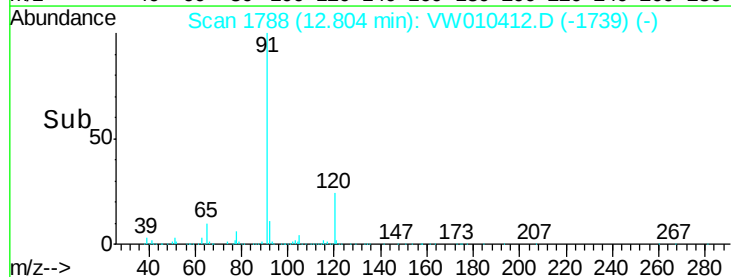
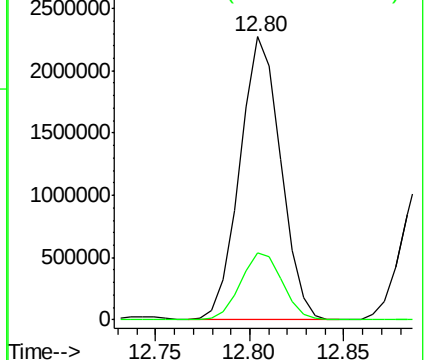
91 100

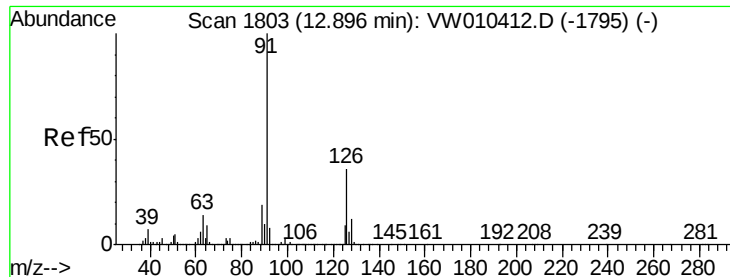
120 24.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.991 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

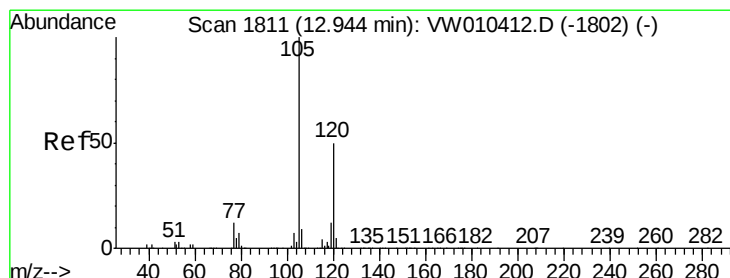
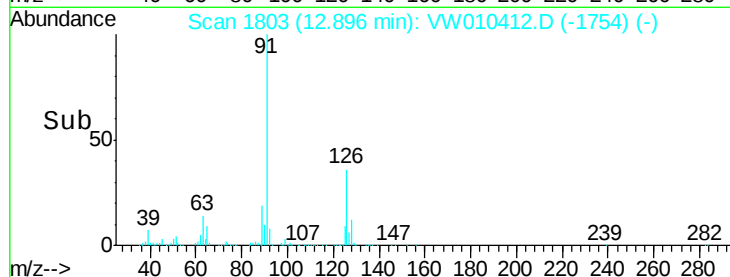
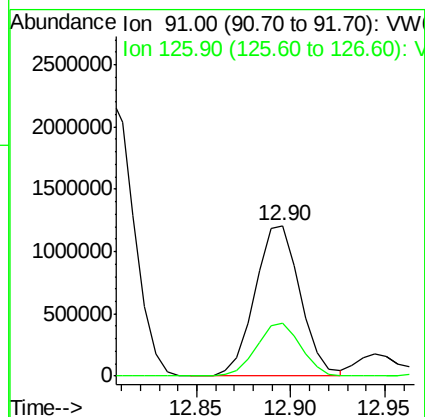
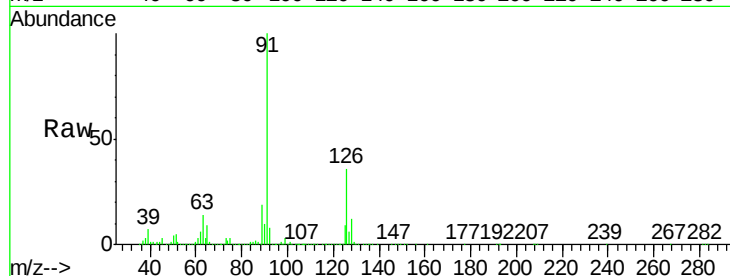
VSTDICCC050

Tot Ion: 91 Resp: 2010490

Ion Ratio Lower Upper

91 100

126 34.6 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 51.049 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010412.D

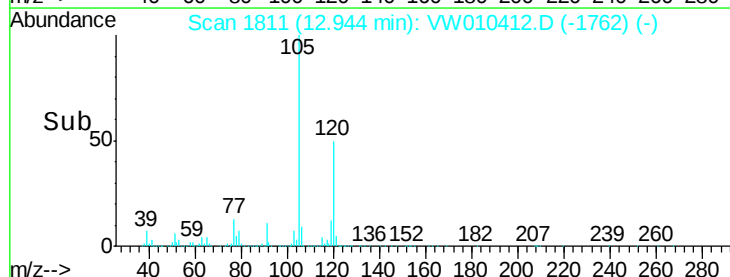
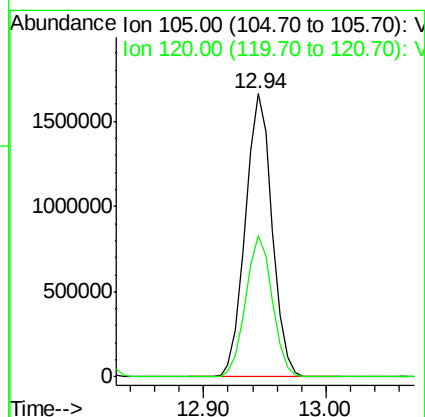
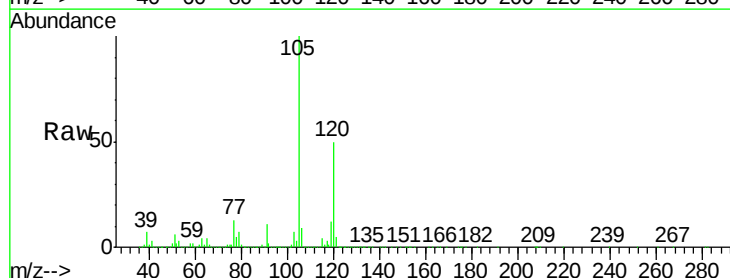
Acq: 16 May 2019 20:02

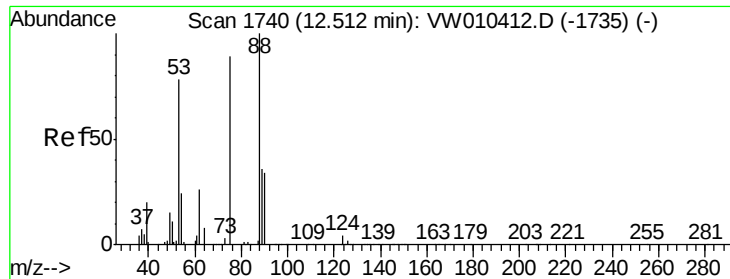
Tgt Ion:105 Resp: 2515376

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.607 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

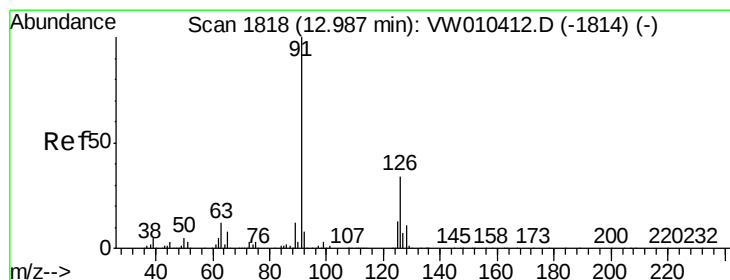
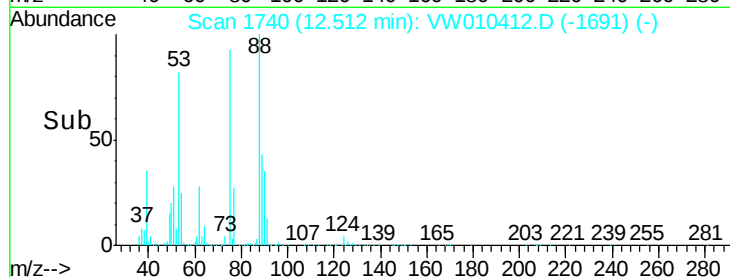
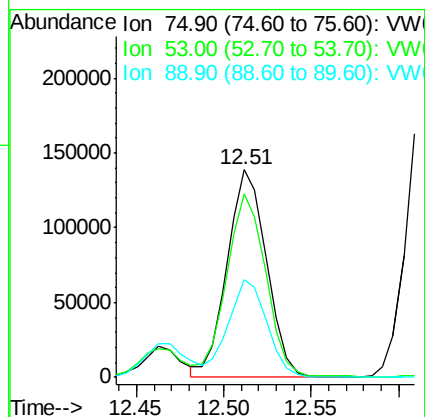
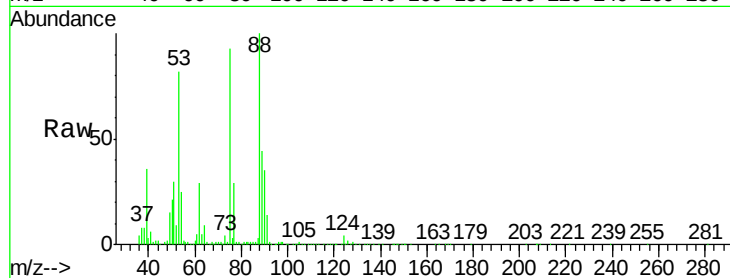
Tot Ion: 75 Resp: 214881

Ion Ratio Lower Upper

75 100

53 88.8 71.0 106.6

89 46.8 37.4 56.2



#82

4-Chlorotoluene

Concen: 48.841 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW010412.D

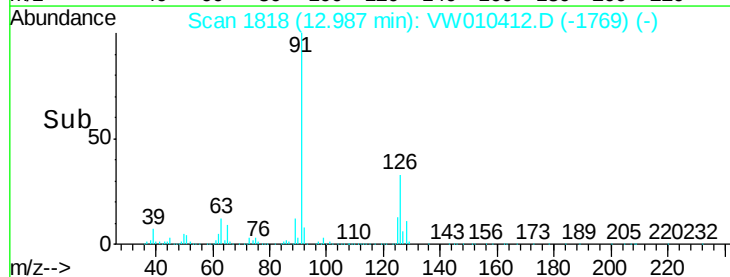
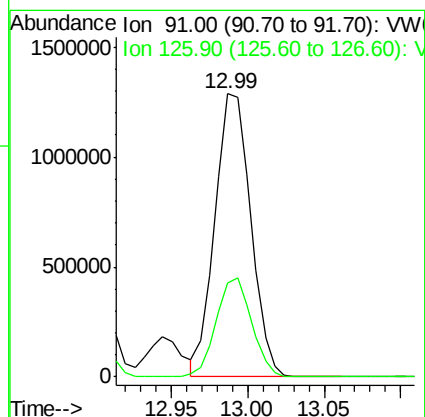
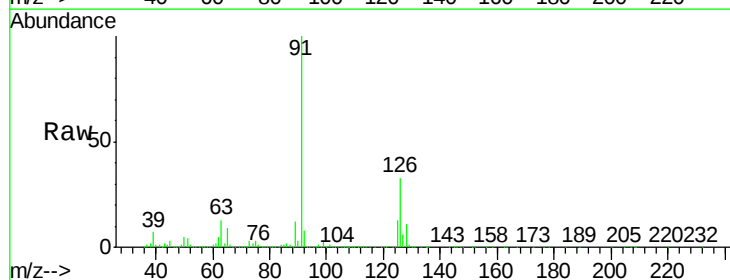
Acq: 16 May 2019 20:02

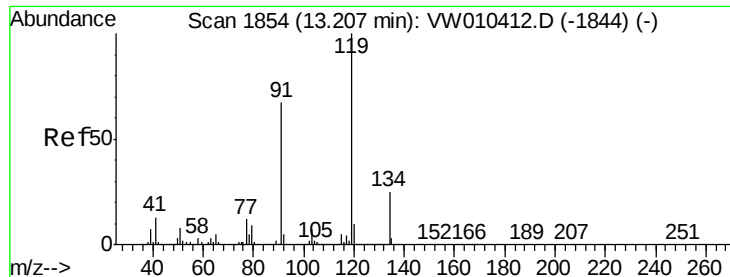
Tgt Ion: 91 Resp: 2098069

Ion Ratio Lower Upper

91 100

126 34.4 17.2 51.6

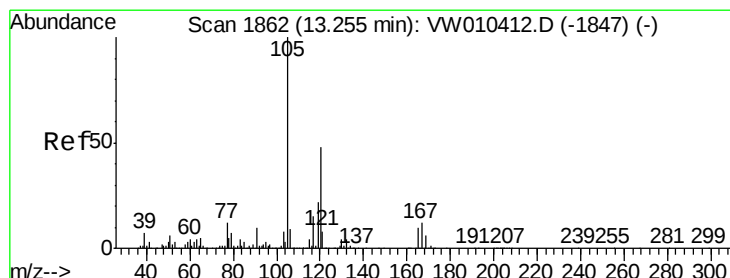
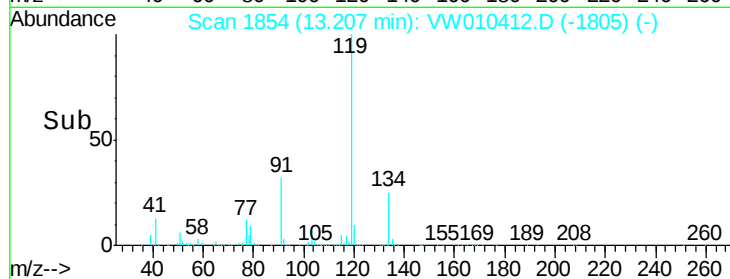
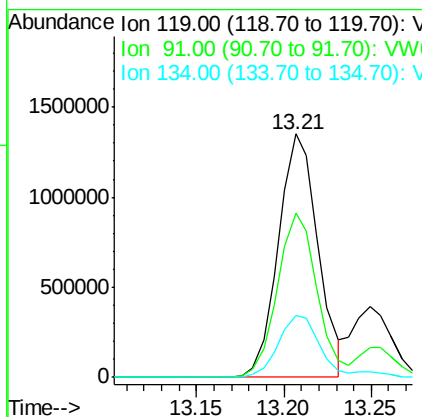
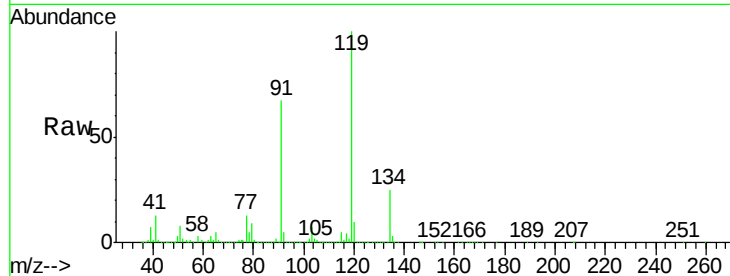




#83
tert-Butylbenzene
Concen: 51.841 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

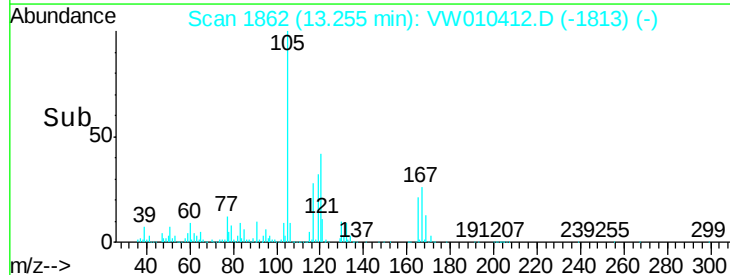
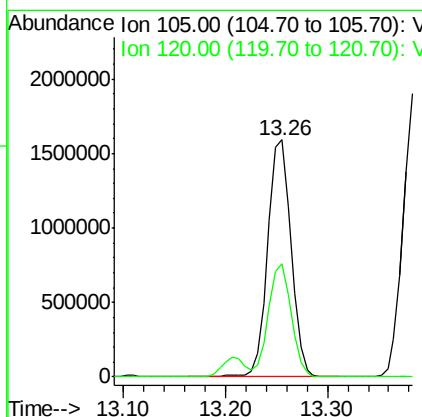
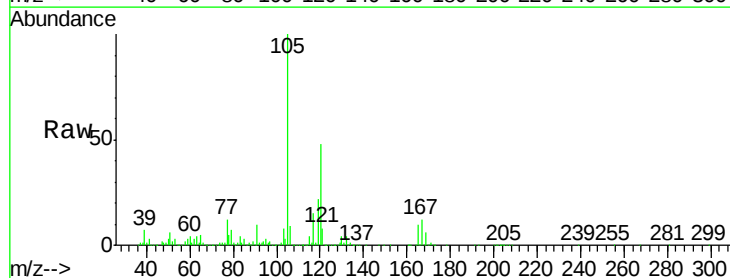
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

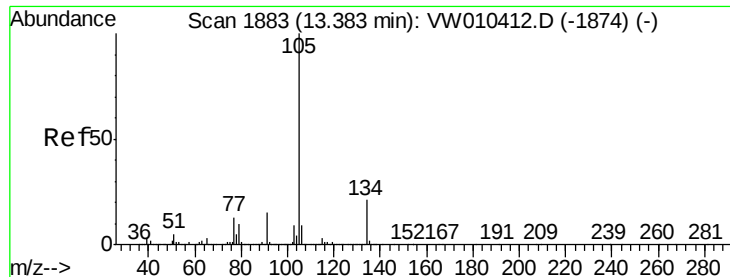
Tot Ion:119 Resp: 2138518
Ion Ratio Lower Upper
119 100
91 67.6 33.8 101.4
134 27.7 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 51.371 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:105 Resp: 2520399
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.0

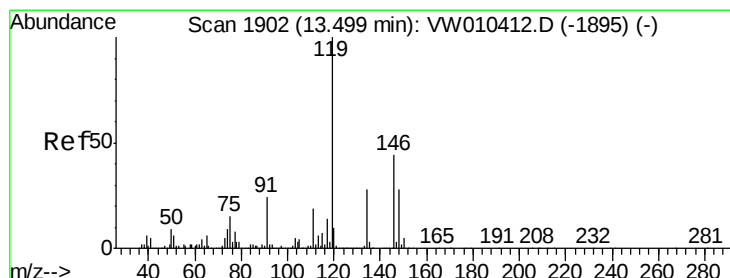
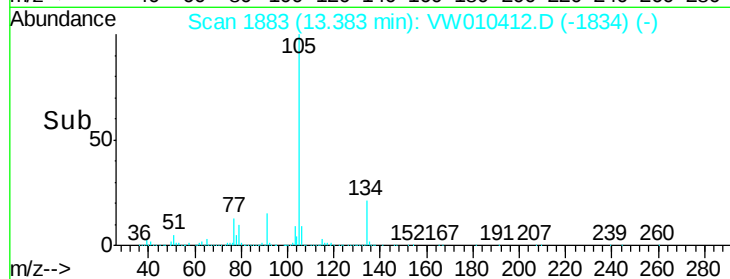
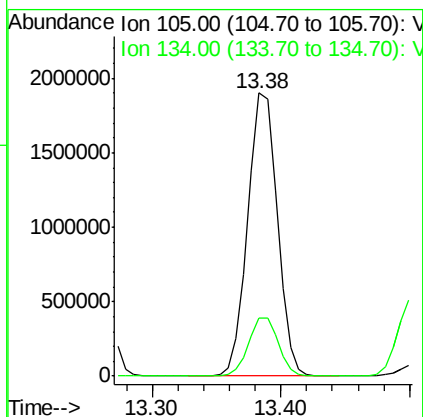
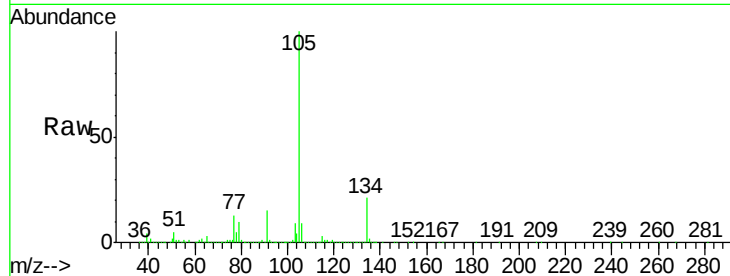




#85
 sec-Butylbenzene
 Concen: 49.899 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

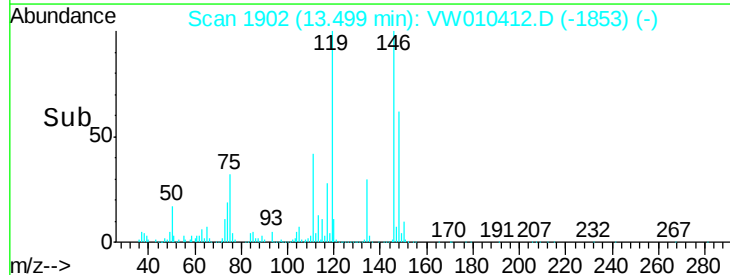
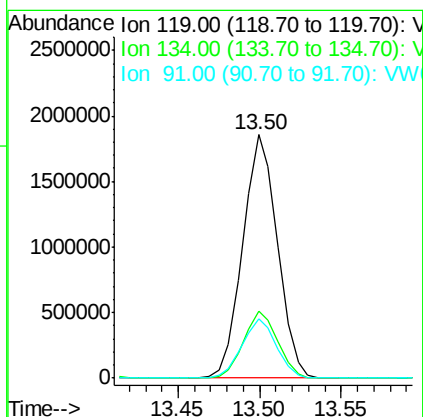
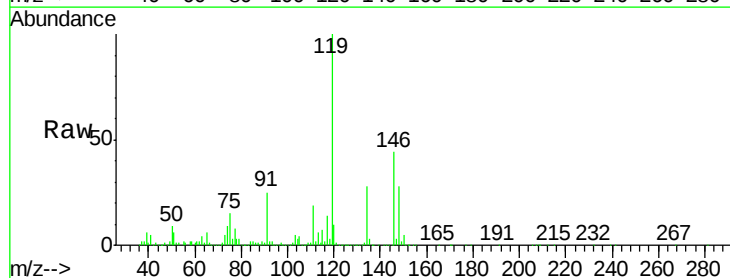
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

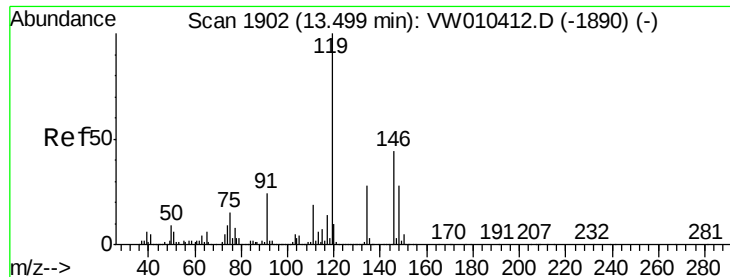
Tot Ion:105 Resp: 3011616
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 51.067 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Tgt Ion:119 Resp: 2742308
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.8
 91 24.3 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 49.754 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

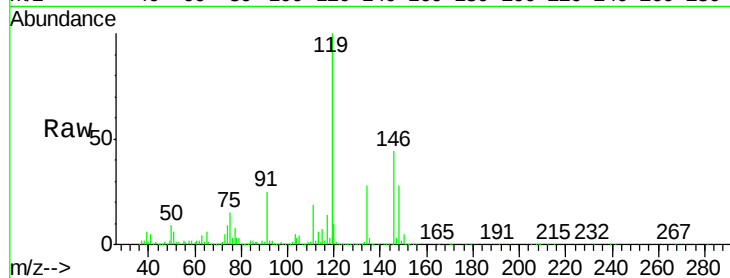
Tot Ion:146 Resp: 1315075

Ion Ratio Lower Upper

146 100

111 42.0 21.0 63.0

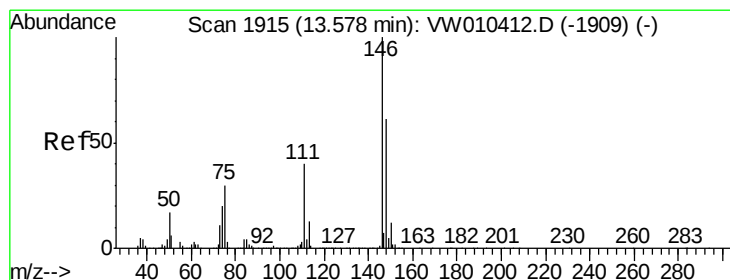
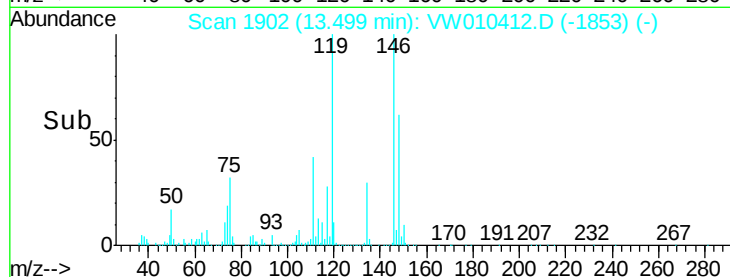
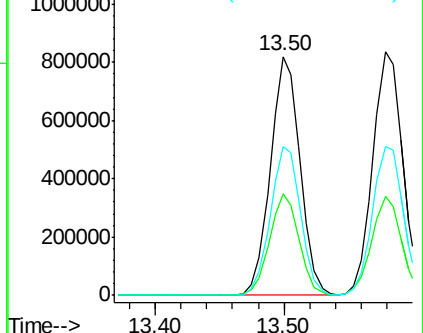
148 63.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.360 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

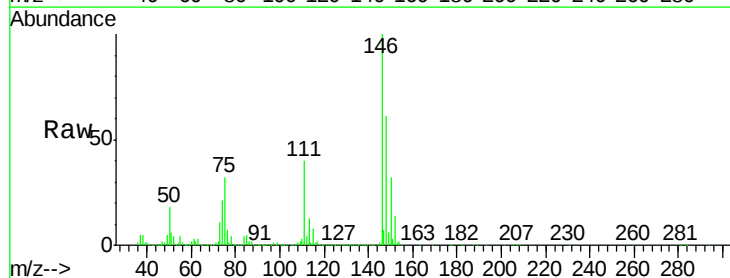
Tgt Ion:146 Resp: 1327256

Ion Ratio Lower Upper

146 100

111 40.3 20.2 60.5

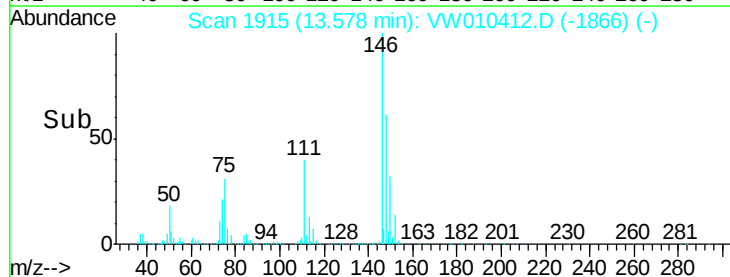
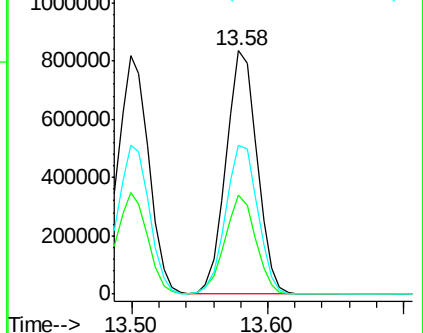
148 63.1 31.6 94.7

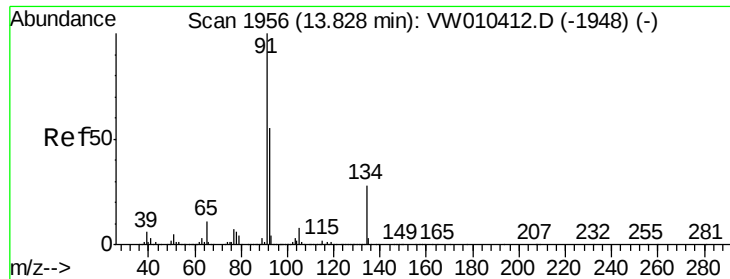


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.002 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

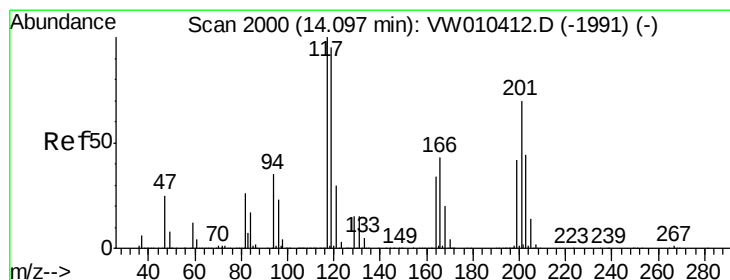
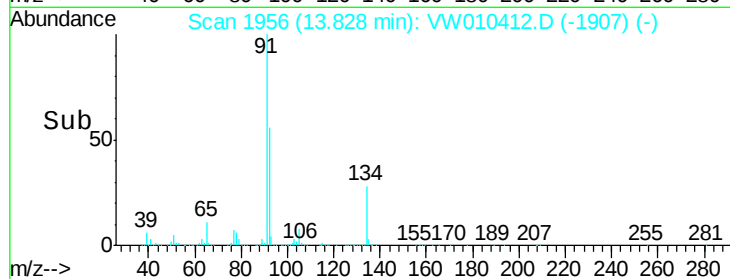
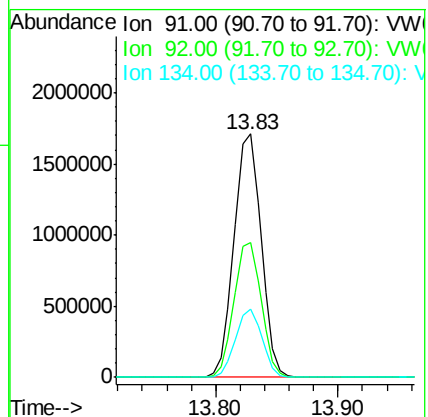
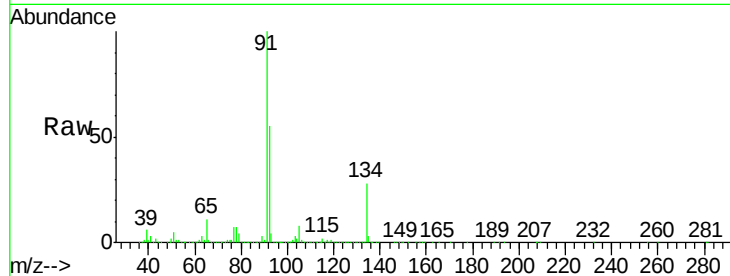
Tot Ion: 91 Resp: 2619290

Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.9	83.6
134	27.6	13.8	41.4

91 100

92 55.7 27.9 83.6

134 27.6 13.8 41.4



#90

Hexachloroethane

Concen: 54.136 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010412.D

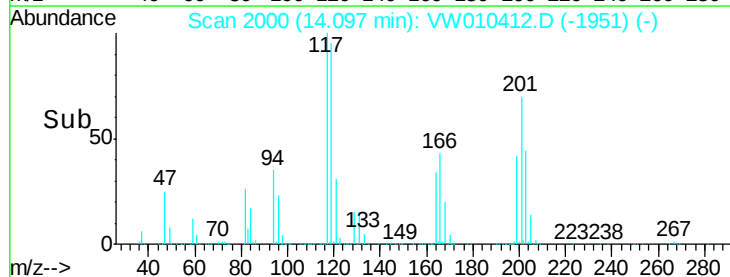
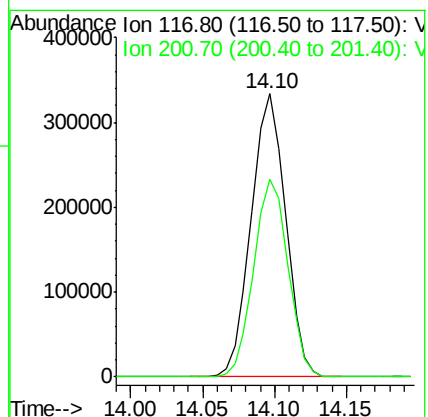
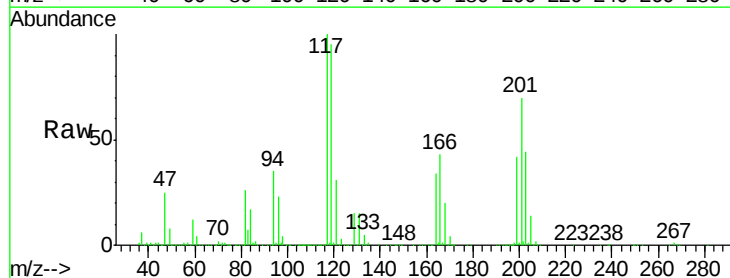
Acq: 16 May 2019 20:02

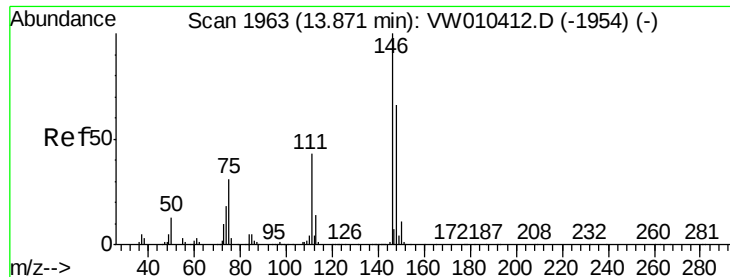
Tgt Ion: 117 Resp: 551651

Ion	Ratio	Lower	Upper
117	100		
201	69.7	34.8	104.5

117 100

201 69.7 34.8 104.5

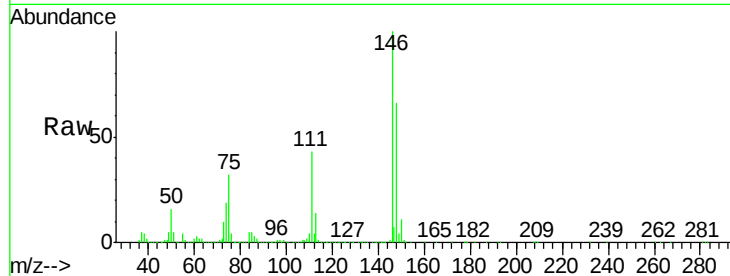




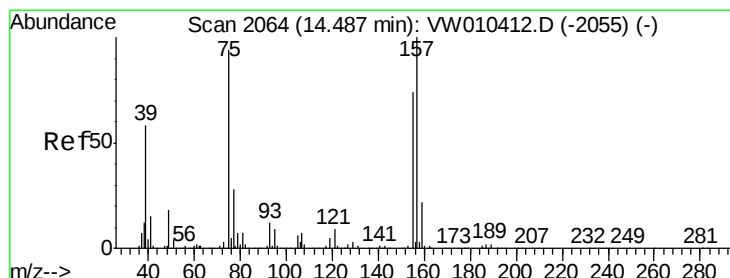
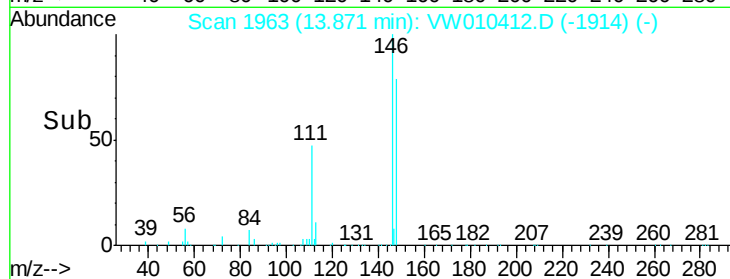
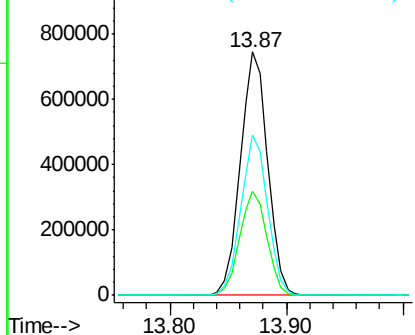
#91
 1,2-Dichlorobenzene
 Concen: 51.496 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 1214542
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.4 64.3
 148 64.7 32.4 97.0

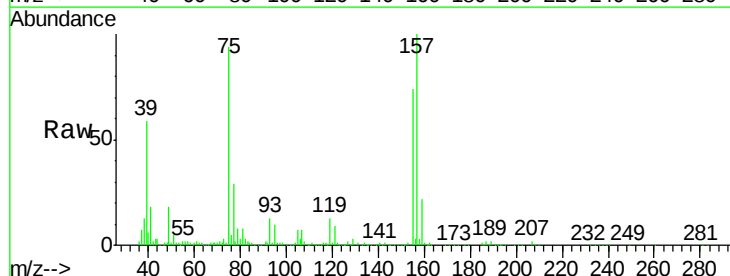


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

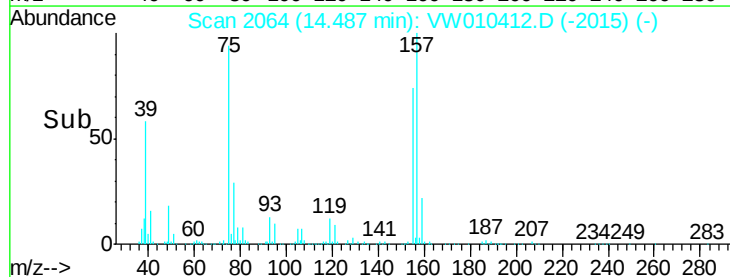
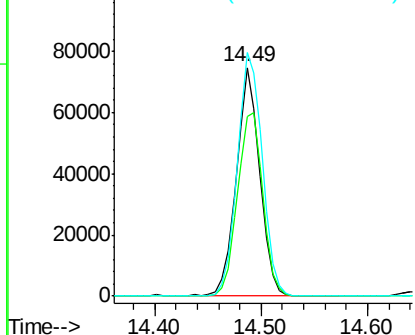


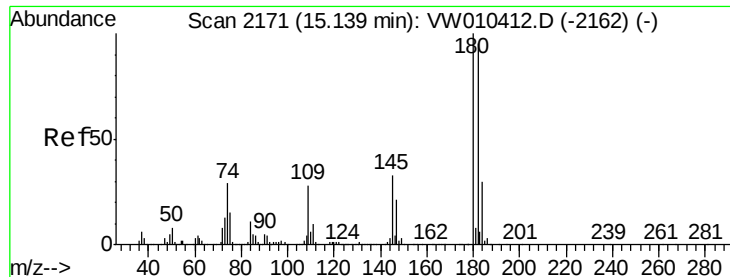
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.417 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Tgt Ion: 75 Resp: 115066
 Ion Ratio Lower Upper
 75 100
 155 87.3 43.6 130.9
 157 113.8 56.9 170.7



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

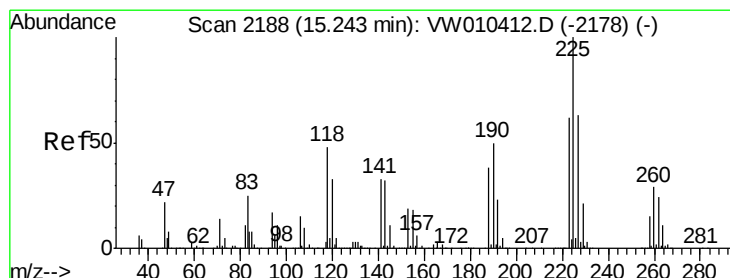
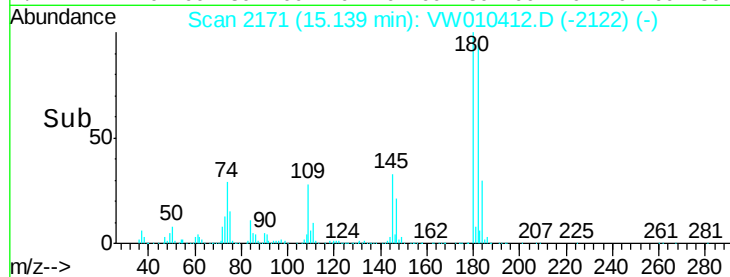
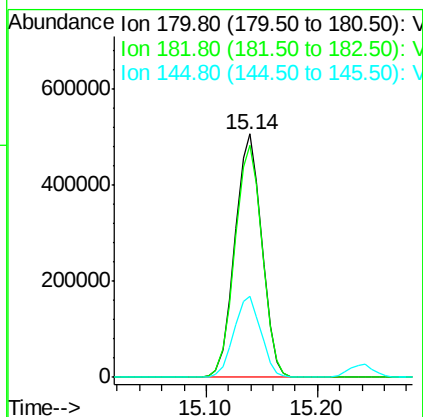
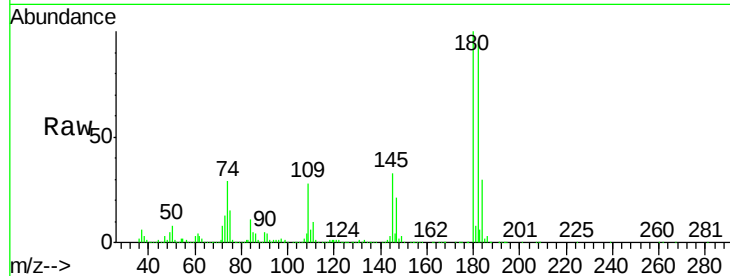




#93
 1,2,4-Trichlorobenzene
 Concen: 52.711 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

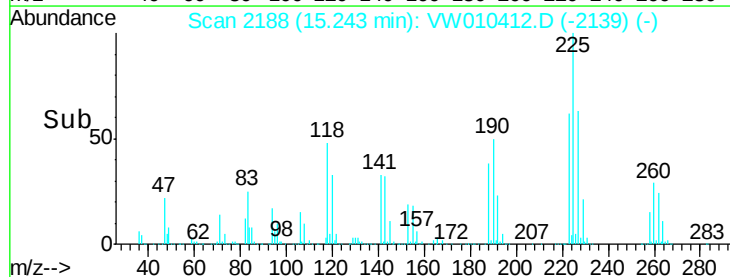
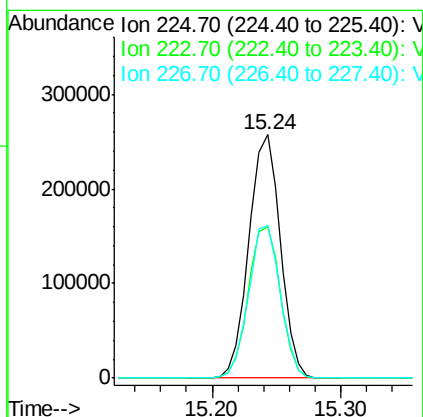
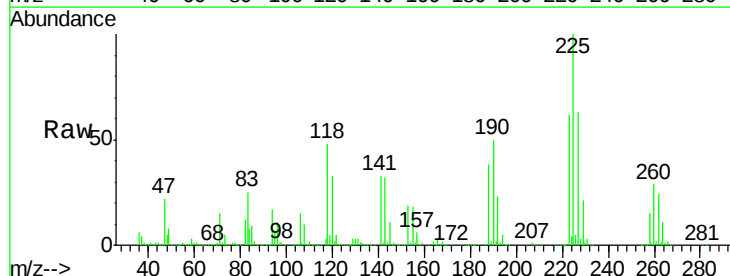
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

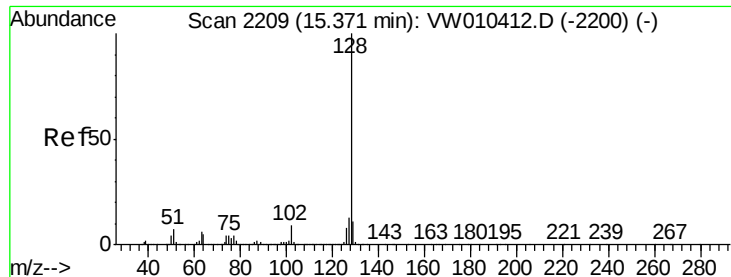
Tot Ion:180 Resp: 844753
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.2 144.6
 145 33.5 16.8 50.3



#94
 Hexachlorobutadiene
 Concen: 43.538 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010412.D
 Acq: 16 May 2019 20:02

Tgt Ion:225 Resp: 433178
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.8 95.3
 227 63.3 31.6 95.0





#95

Naphthalene

Concen: 58.742 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

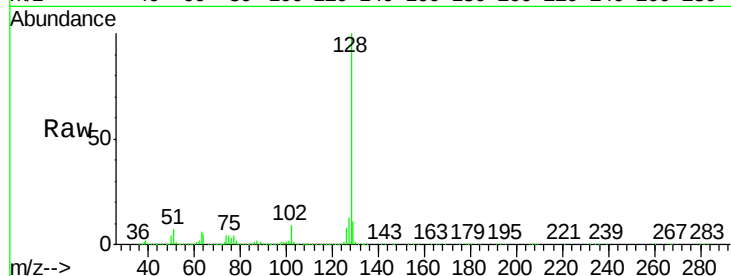
Tot Ion:128 Resp: 1959888

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

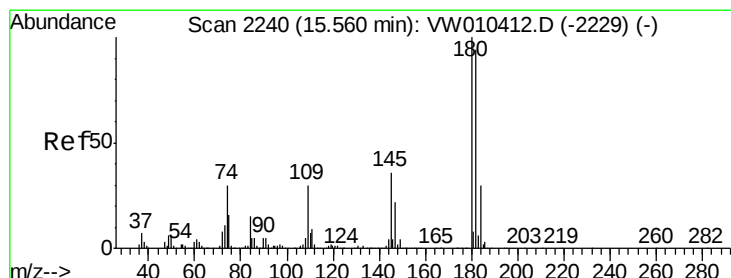
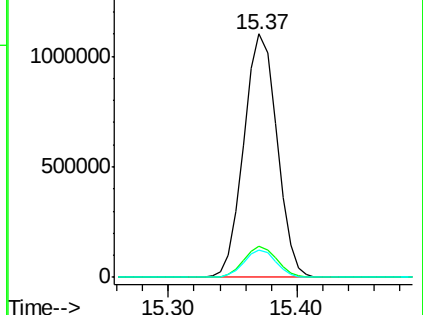
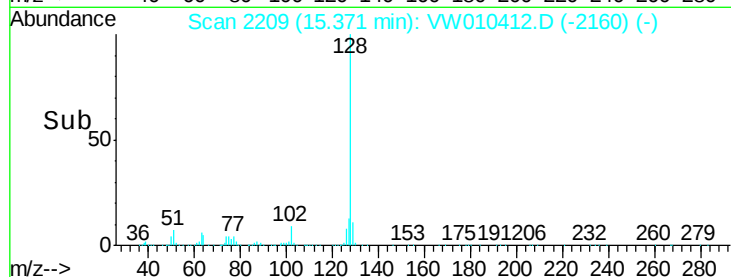
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.812 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010412.D

Acq: 16 May 2019 20:02

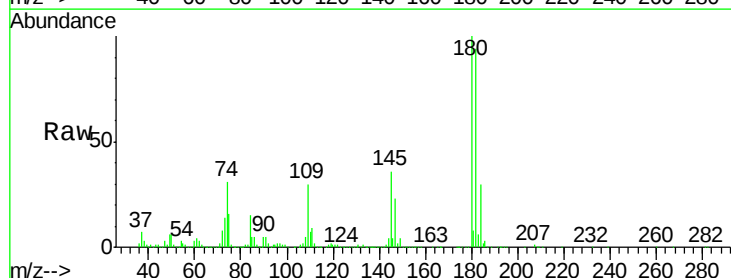
Tgt Ion:180 Resp: 766831

Ion Ratio Lower Upper

180 100

182 94.6 47.3 141.9

145 35.2 17.6 52.8



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

