

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051619\
 Data File : VW010411.D
 Acq On : 16 May 2019 19:36
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: May 17 08:55:35 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	1044753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1799627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1644245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	813565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	204570	18.33	ug/l	0.00
Spiked Amount			Recovery	=	36.66%	
35) Dibromofluoromethane	7.88	113	206188	19.40	ug/l	0.00
Spiked Amount			Recovery	=	38.80%	
50) Toluene-d8	10.32	98	786865	18.44	ug/l	0.00
Spiked Amount			Recovery	=	36.88%	
62) 4-Bromofluorobenzene	12.62	95	308001	20.09	ug/l	0.00
Spiked Amount			Recovery	=	40.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	113085	13.893	ug/l	93
3) Chloromethane	2.21	50	148393	14.338	ug/l	97
4) Vinyl Chloride	2.37	62	211655	16.306	ug/l	99
5) Bromomethane	2.77	94	136351	17.830	ug/l	98
6) Chloroethane	2.92	64	126211	16.794	ug/l	95
7) Trichlorofluoromethane	3.25	101	106206	16.063	ug/l	96
8) Diethyl Ether	3.67	74	101754	17.540	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	180624	16.828	ug/l	97
10) Methyl Iodide	4.26	142	302945	19.530	ug/l	98
11) Tert butyl alcohol	5.18	59	78407	96.882	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	190695	17.001	ug/l	92
13) Acrolein	3.88	56	58947	62.798	ug/l	92
14) Allyl chloride	4.65	41	240231	14.724	ug/l	98
15) Acrylonitrile	5.36	53	226333	72.409	ug/l	98
16) Acetone	4.12	43	172827	63.309	ug/l	98
17) Carbon Disulfide	4.37	76	530570	15.918	ug/l	99
18) Methyl Acetate	4.67	43	113899	16.263	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	276666	20.208	ug/l	96
20) Methylene Chloride	4.92	84	216720	18.085	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	216730	17.862	ug/l	97
22) Diisopropyl ether	6.31	45	590929	18.098	ug/l	98
23) Vinyl Acetate	6.25	43	2013568	89.745	ug/l	99
24) 1,1-Dichloroethane	6.21	63	370277	16.961	ug/l	100
25) 2-Butanone	7.17	43	341146	78.971	ug/l	100
26) 2,2-Dichloropropane	7.16	77	190366	17.535	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	250537	19.720	ug/l	99
28) Bromochloromethane	7.51	49	162935	19.530	ug/l	99
29) Tetrahydrofuran	7.52	42	229273	81.660	ug/l	100
30) Chloroform	7.67	83	384501	18.507	ug/l	99
31) Cyclohexane	7.95	56	347965	15.790	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	305277	18.971	ug/l	99
36) 1,1-Dichloropropene	8.08	75	299138	15.860	ug/l	99
37) Ethyl Acetate	7.25	43	148034	14.729	ug/l	96
38) Carbon Tetrachloride	8.06	117	304768	18.321	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	396760	17.110	ug/l	99
40) Benzene	8.32	78	873351	16.724	ug/l	98
41) Methacrylonitrile	7.48	41	87386	15.472	ug/l	99
42) 1,2-Dichloroethane	8.40	62	253951	16.886	ug/l	99
43) Isopropyl Acetate	8.42	43	300182	17.486	ug/l	97
44) Trichloroethene	9.09	130	247171	18.528	ug/l	100
45) 1,2-Dichloropropane	9.37	63	214563	16.499	ug/l	100
46) Dibromomethane	9.46	93	126610	18.480	ug/l	99
47) Bromodichloromethane	9.64	83	310173	18.788	ug/l	97
48) Methyl methacrylate	9.43	41	136828	17.112	ug/l	98
49) 1,4-Dioxane	9.45	88	43887	369.320	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	783972	81.452	ug/l	100
52) Toluene	10.38	92	584794	18.118	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	324260	19.391	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	367089	18.663	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	178582	18.261	ug/l	98
56) Ethyl methacrylate	10.65	69	256615	19.799	ug/l	99
57) 1,3-Dichloropropane	10.93	76	304423	17.665	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	550738	88.633	ug/l	99
59) 2-Hexanone	10.97	43	548796	80.756	ug/l	99
60) Dibromochloromethane	11.13	129	228030	21.169	ug/l	97
61) 1,2-Dibromoethane	11.23	107	185155	19.612	ug/l	99
64) Tetrachloroethene	10.86	164	211989	18.587	ug/l	98
65) Chlorobenzene	11.66	112	639668	18.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	234415	20.155	ug/l	99
67) Ethyl Benzene	11.73	91	1127157	18.296	ug/l	98
68) m/p-Xylenes	11.84	106	886746	38.399	ug/l	99
69) o-Xylene	12.16	106	426325	20.212	ug/l	99
70) Styrene	12.18	104	740915	20.190	ug/l	99
71) Bromoform	12.35	173	134825	20.038	ug/l #	100
73) Isopropylbenzene	12.46	105	1139610	19.325	ug/l	100
74) N-amyl acetate	12.27	43	304359	19.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	216223	16.703	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	178342m	19.157	ug/l	
77) Bromobenzene	12.75	156	261526	19.349	ug/l	99
78) n-propylbenzene	12.80	91	1326675	18.387	ug/l	100
79) 2-Chlorotoluene	12.90	91	768644	18.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	988097	19.817	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	77416	18.373	ug/l	99
82) 4-Chlorotoluene	12.99	91	806336	18.550	ug/l	100
83) tert-Butylbenzene	13.21	119	834025	19.980	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	983408	19.808	ug/l	99
85) sec-Butylbenzene	13.38	105	1174921	19.237	ug/l	100
86) p-Isopropyltoluene	13.50	119	1081817	19.908	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	514385	19.231	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	513099	19.239	ug/l	98
89) n-Butylbenzene	13.83	91	1012632	18.721	ug/l	100
90) Hexachloroethane	14.10	117	211635	20.524	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	470546	19.716	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	39732	16.862	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri May 17 08:39:36 2019
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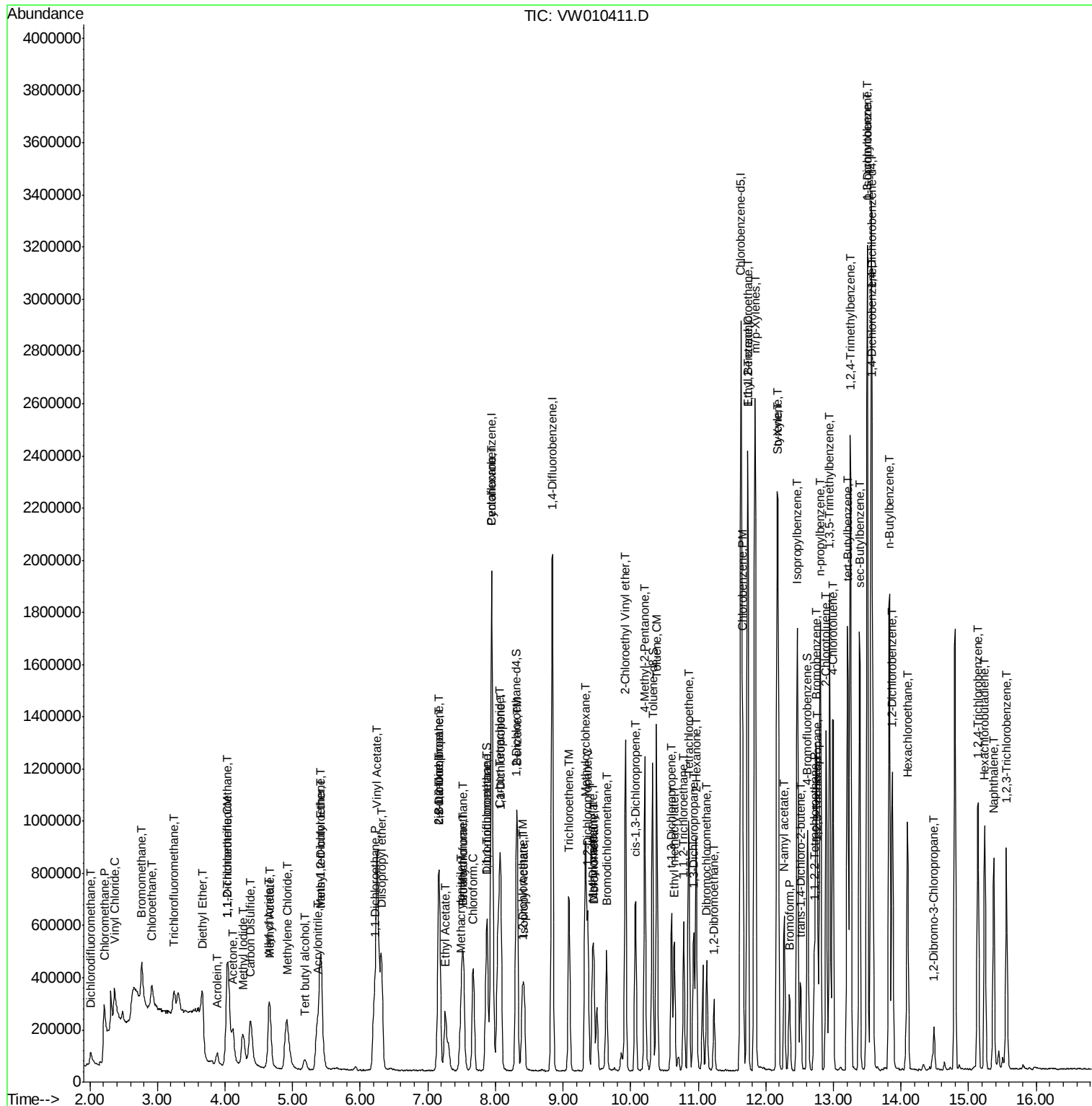
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331667	20.451	ug/l	97
94) Hexachlorobutadiene	15.24	225	164363	16.325	ug/l	99
95) Naphthalene	15.37	128	723463	21.428	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	292667	19.919	ug/l	99

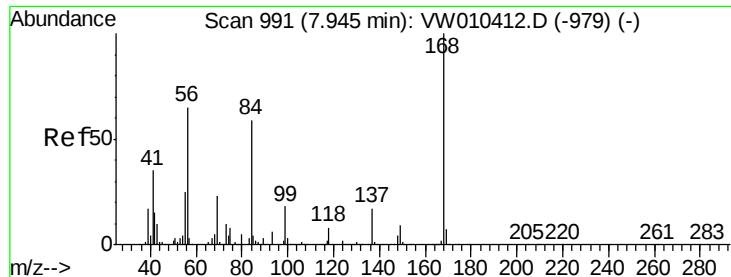
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

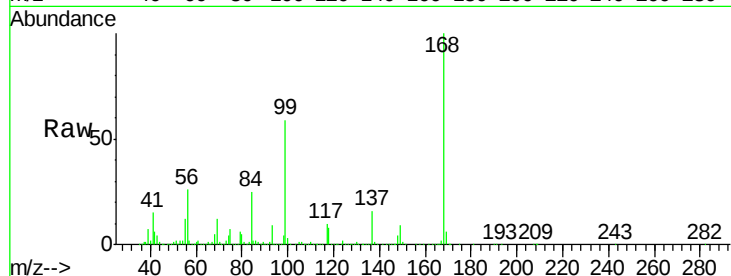
VSTDIC020

Tot Ion:168 Resp: 1044753

Ion Ratio Lower Upper

168 100

99 58.6 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

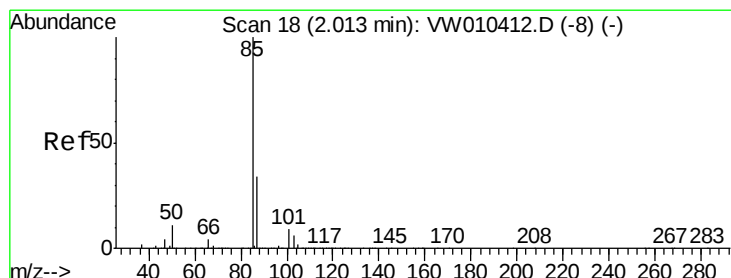
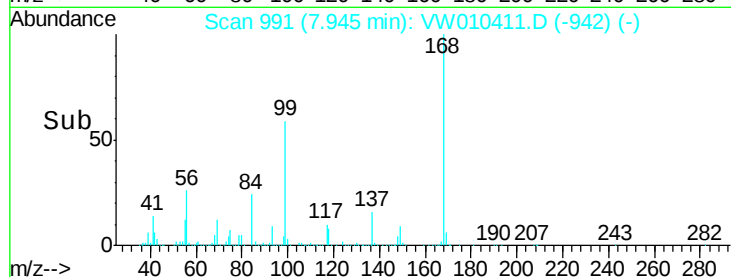
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 13.893 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010411.D

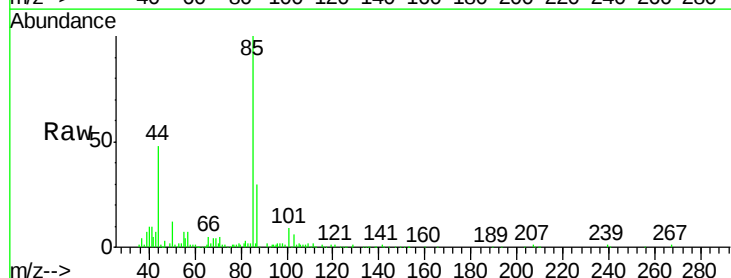
Acq: 16 May 2019 19:36

Tgt Ion: 85 Resp: 113085

Ion Ratio Lower Upper

85 100

87 29.9 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

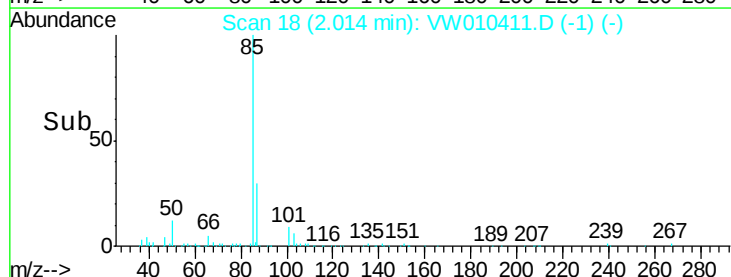
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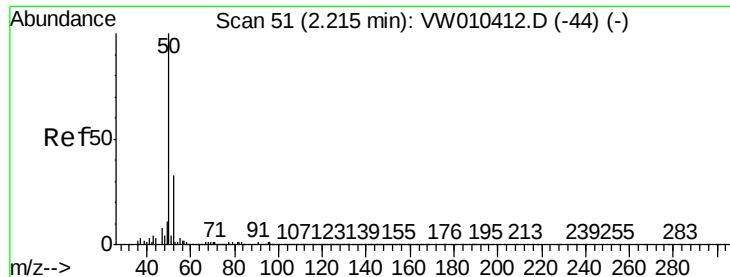
20000

10000

0

Time-->





#3

Chloromethane

Concen: 14.338 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

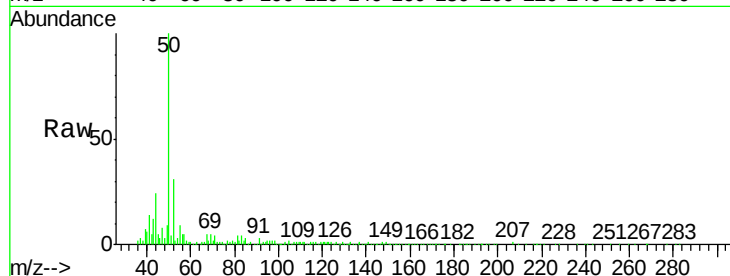
VSTDIC020

Tot Ion: 50 Resp: 148393

Ion Ratio Lower Upper

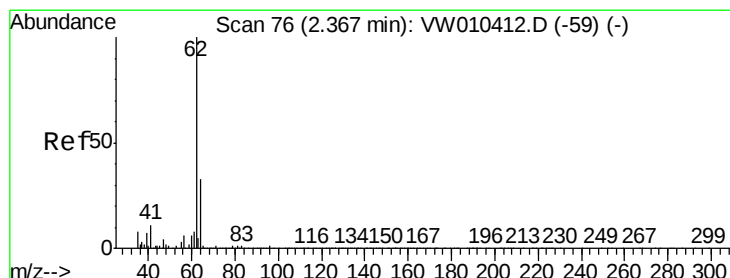
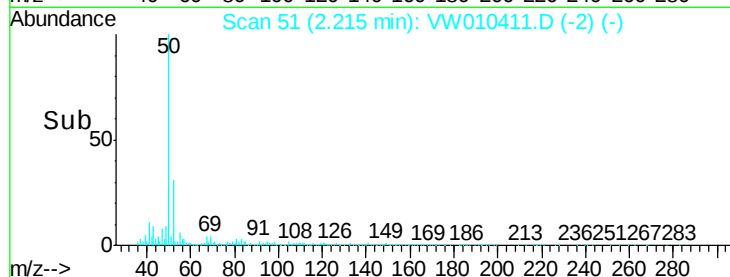
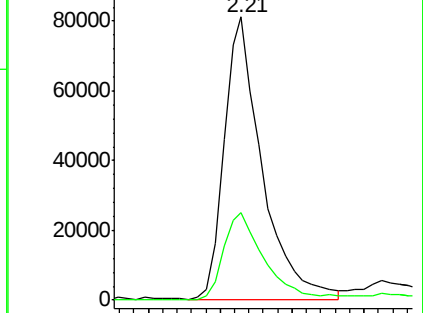
50 100

52 31.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 16.306 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010411.D

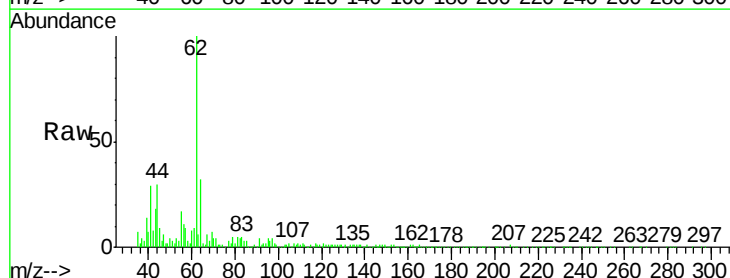
Acq: 16 May 2019 19:36

Tgt Ion: 62 Resp: 211655

Ion Ratio Lower Upper

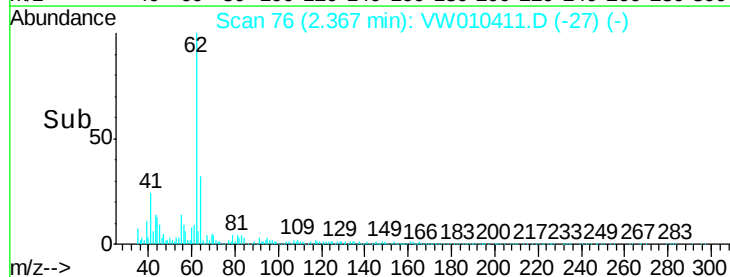
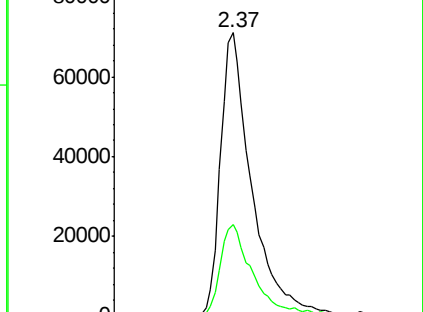
62 100

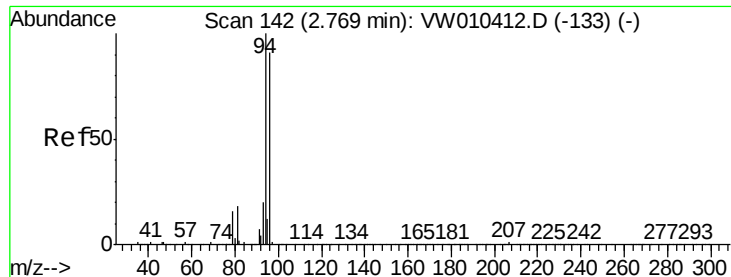
64 32.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 17.830 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

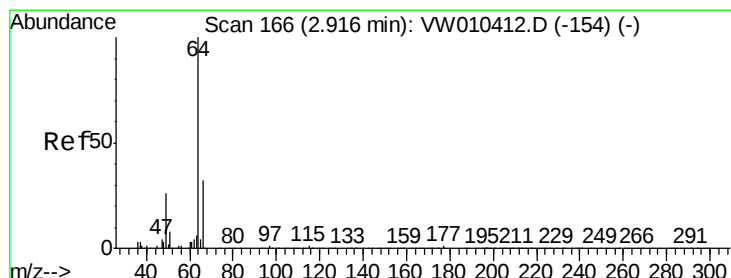
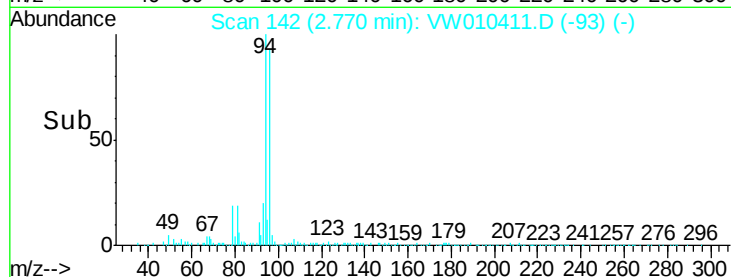
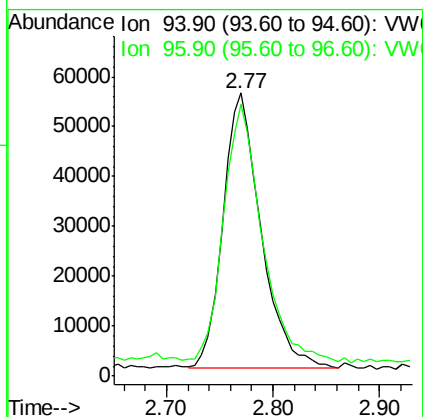
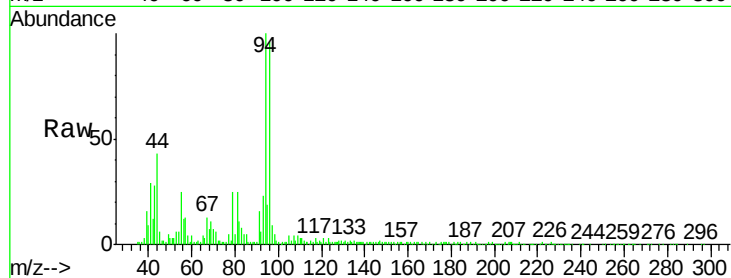
VSTDIC020

Tot Ion: 94 Resp: 136351

Ion Ratio Lower Upper

94 100

96 93.6 73.4 110.2



#6

Chloroethane

Concen: 16.794 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010411.D

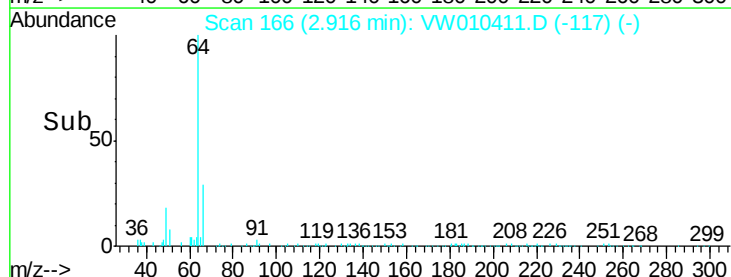
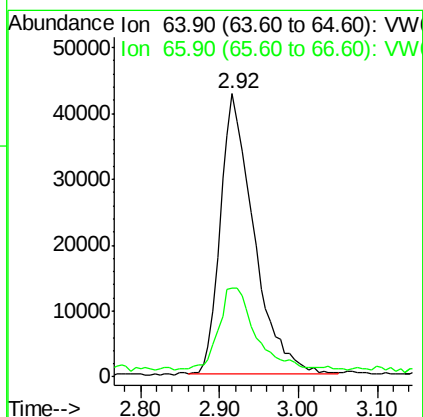
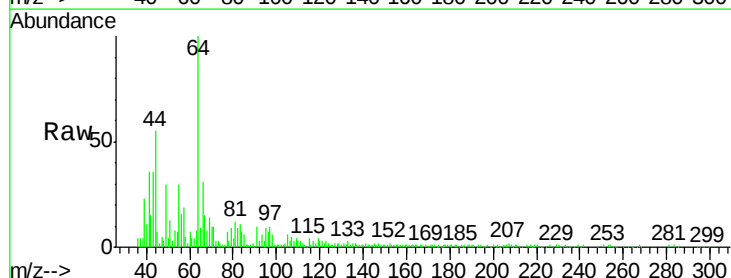
Acq: 16 May 2019 19:36

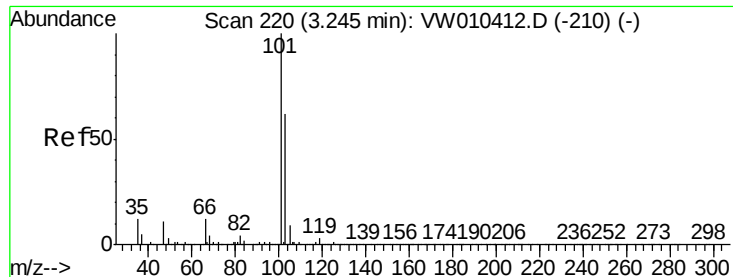
Tgt Ion: 64 Resp: 126211

Ion Ratio Lower Upper

64 100

66 28.8 25.4 38.0



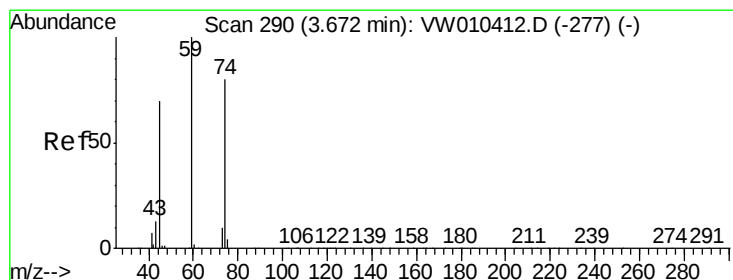
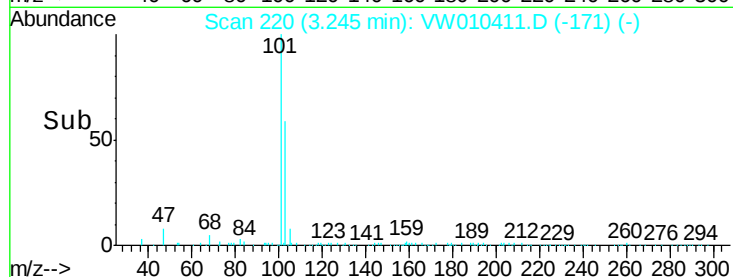
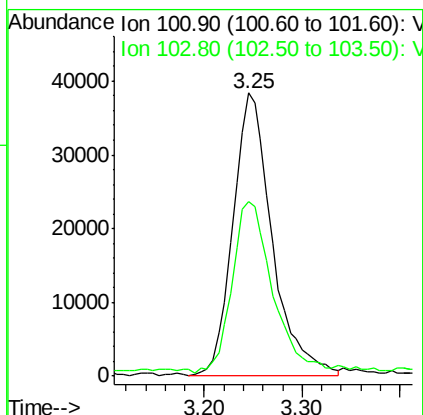
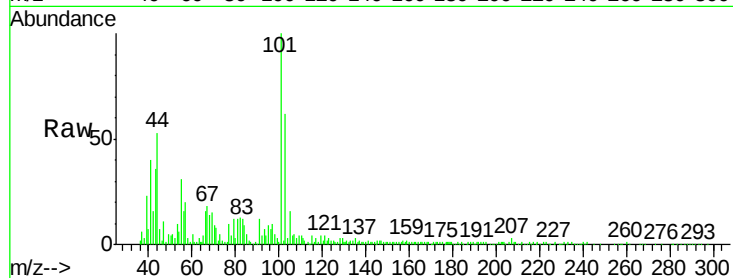


#7

Trichlorofluoromethane
Concen: 16.063 ug/l
RT: 3.25 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
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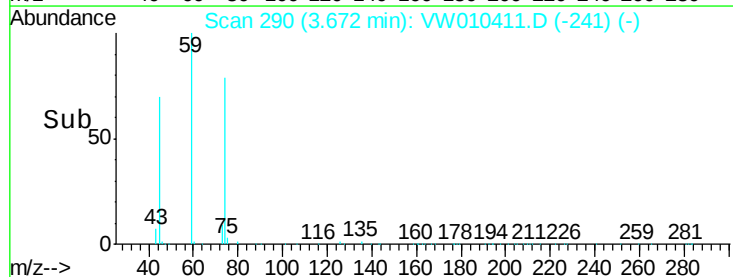
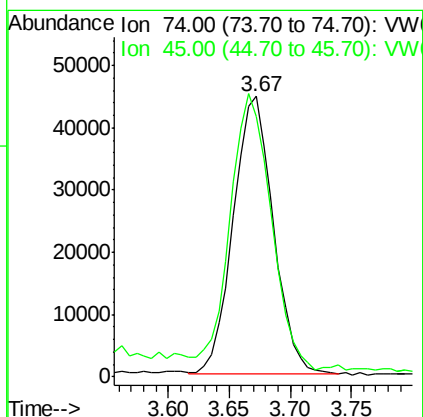
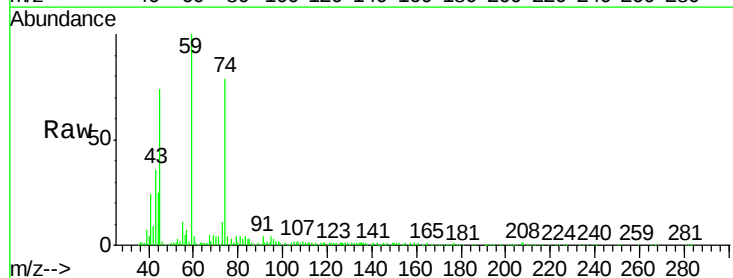
Tot Ion:101 Resp: 106206
Ion Ratio Lower Upper
101 100
103 59.3 49.9 74.9

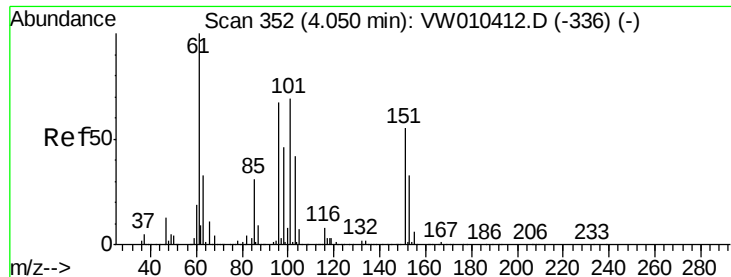


#8

Diethyl Ether
Concen: 17.540 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion: 74 Resp: 101754
Ion Ratio Lower Upper
74 100
45 99.8 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.828 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

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VSTDIC020

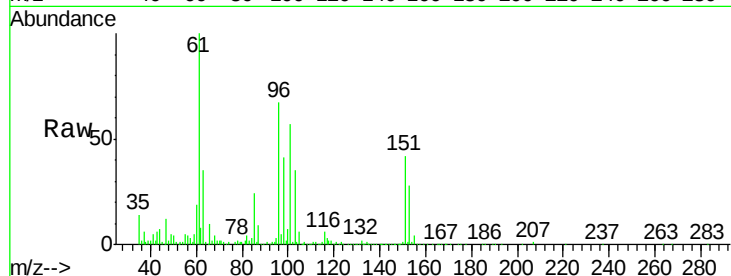
Tot Ion:101 Resp: 180624

Ion Ratio Lower Upper

101 100

85 41.9 35.0 52.4

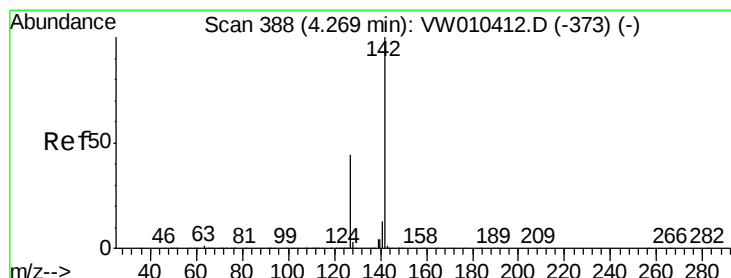
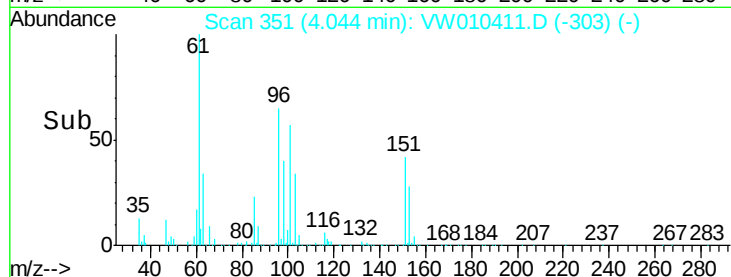
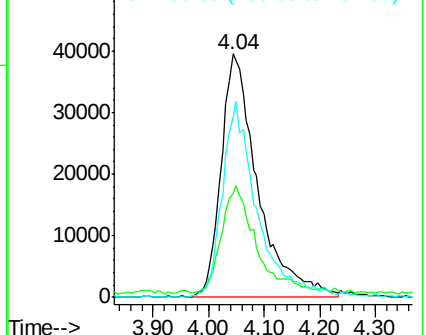
151 74.9 61.8 92.6



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: 19.530 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

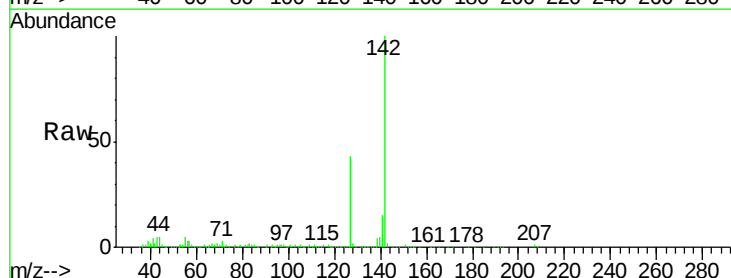
Tgt Ion:142 Resp: 302945

Ion Ratio Lower Upper

142 100

127 42.1 34.5 51.7

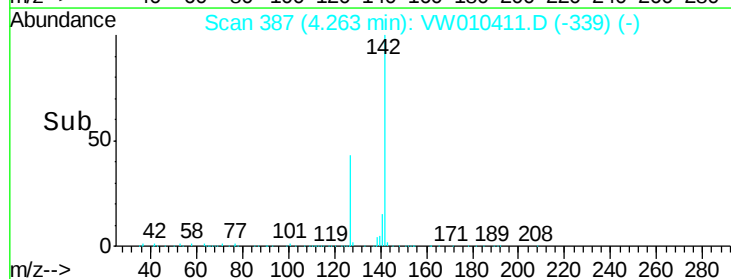
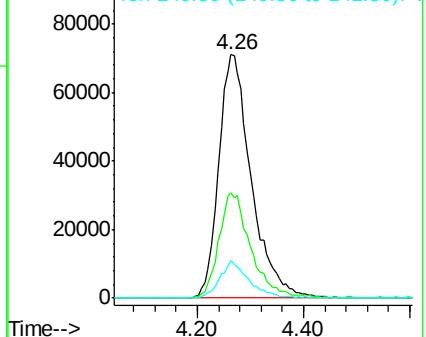
141 13.6 11.4 17.0

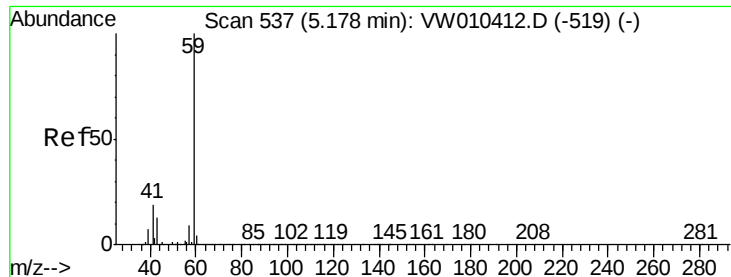


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



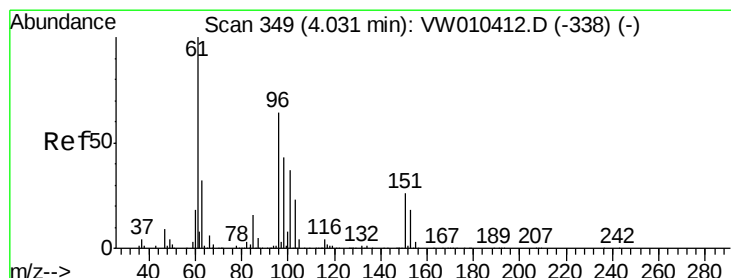
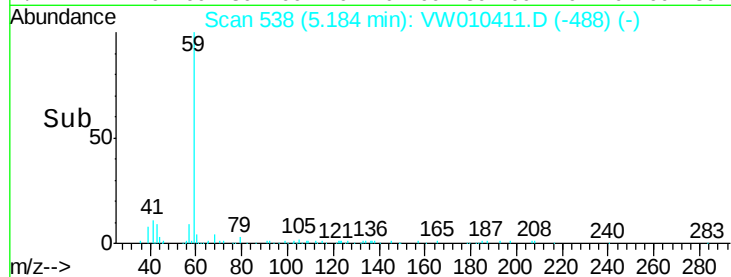
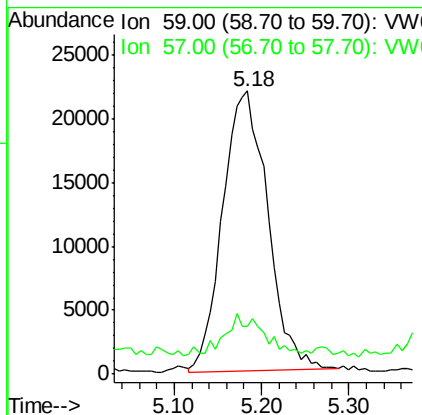
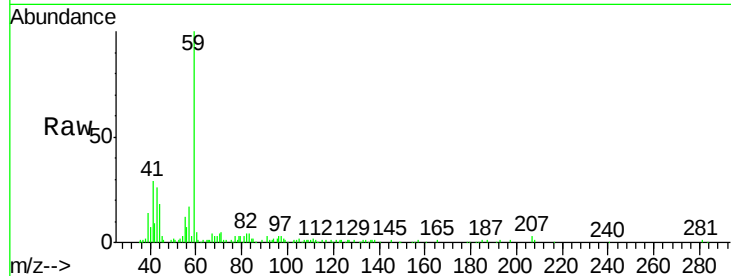


#11

Tert butyl alcohol
 Concen: 96.882 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

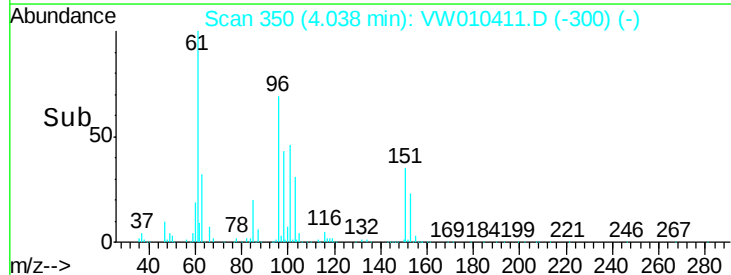
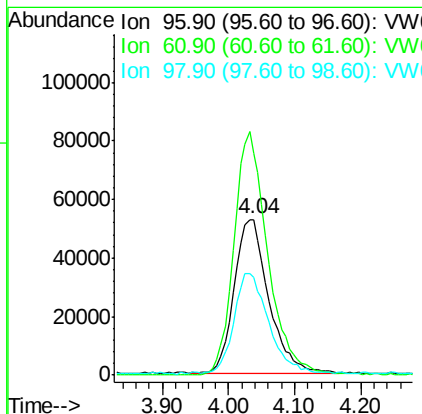
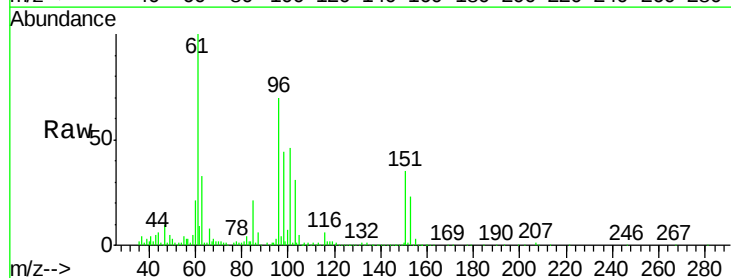
Tot Ion: 59 Resp: 78407
 Ion Ratio Lower Upper
 59 100
 57 6.1 8.7 13.1#

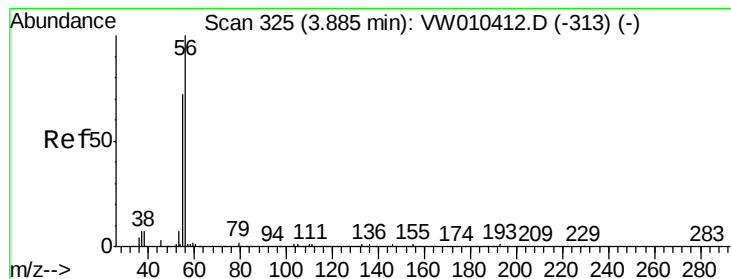


#12

1,1-Dichloroethene
 Concen: 17.001 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

Tgt Ion: 96 Resp: 190695
 Ion Ratio Lower Upper
 96 100
 61 143.9 124.1 186.1
 98 62.2 53.4 80.0





#13

Acrolein

Concen: 62.798 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

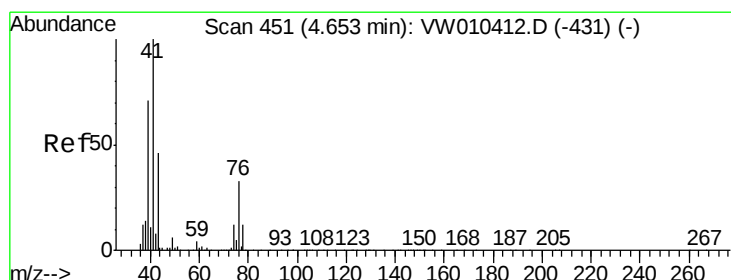
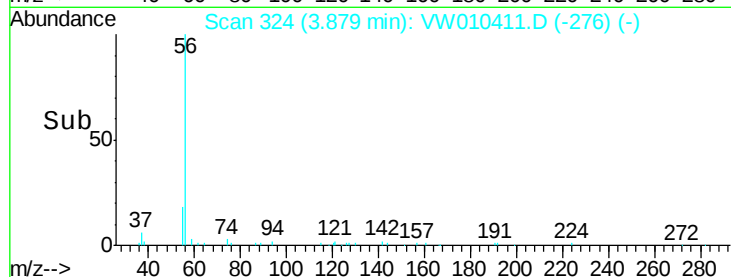
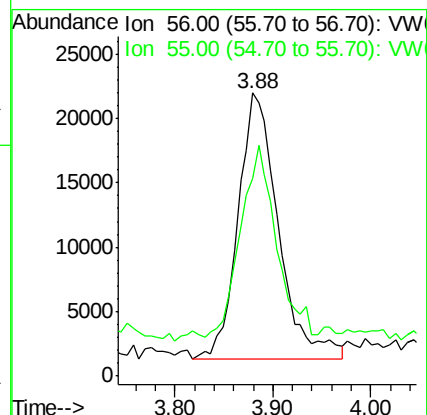
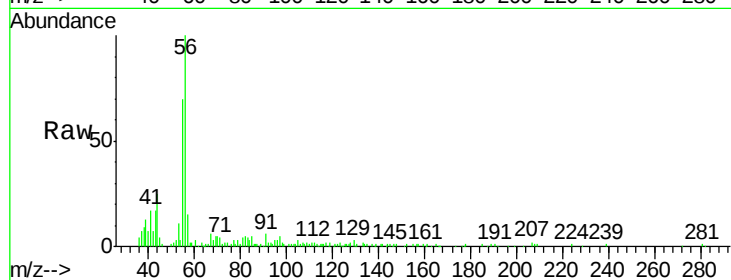
VSTDIC020

Tot Ion: 56 Resp: 58947

Ion Ratio Lower Upper

56 100

55 63.5 56.1 84.1



#14

Allyl chloride

Concen: 14.724 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

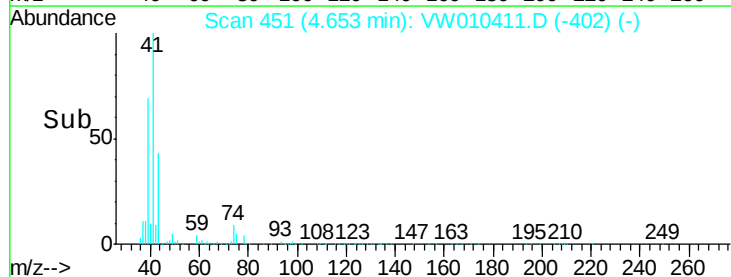
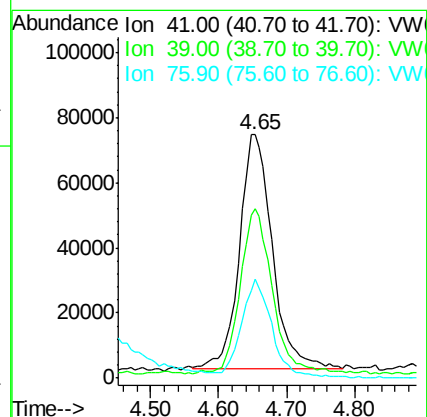
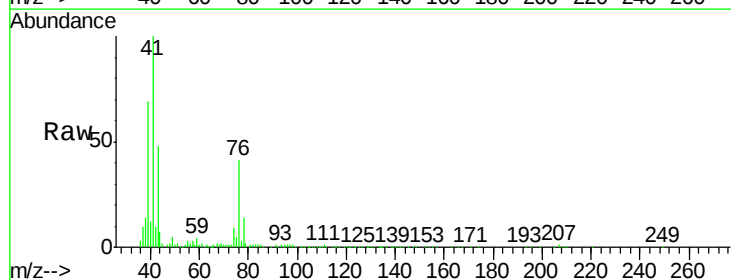
Tgt Ion: 41 Resp: 240231

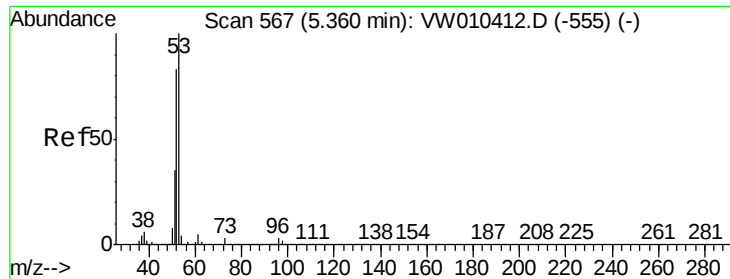
Ion Ratio Lower Upper

41 100

39 69.8 54.3 81.5

76 38.0 30.7 46.1





#15

Acrylonitrile

Concen: 72.409 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

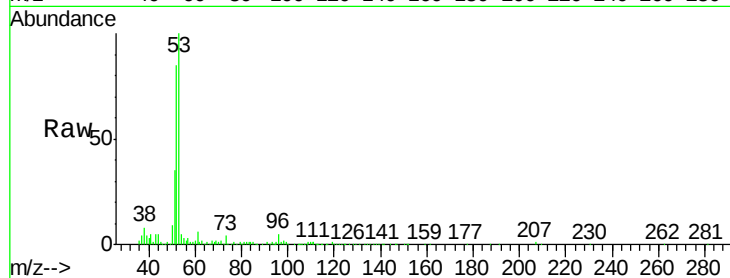
MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 53 Resp: 226333

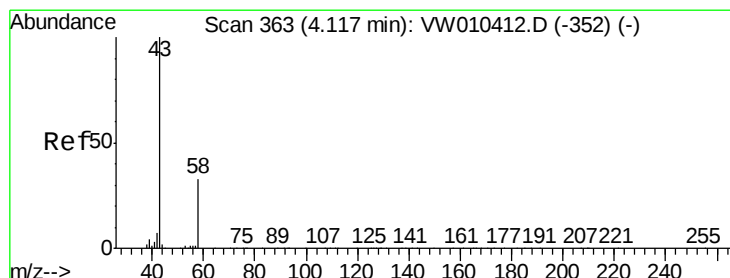
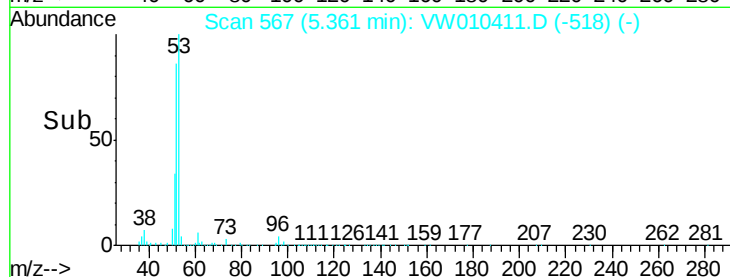
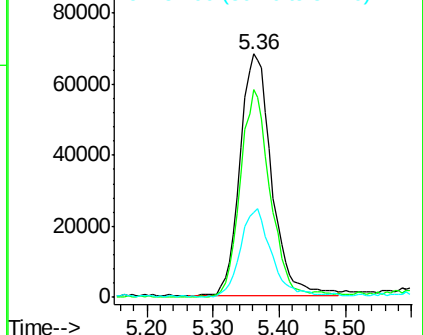
Ion	Ratio	Lower	Upper
53	100		
52	79.9	66.2	99.2
51	36.0	28.9	43.3



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: 63.309 ug/l

RT: 4.12 min Scan# 363

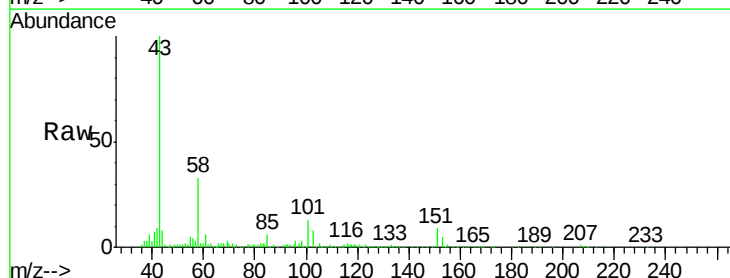
Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

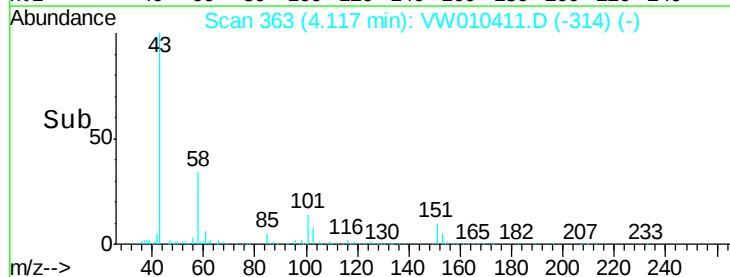
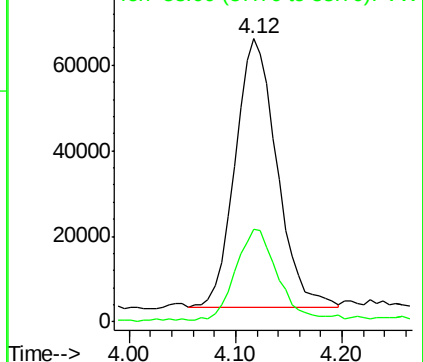
Tgt Ion: 43 Resp: 172827

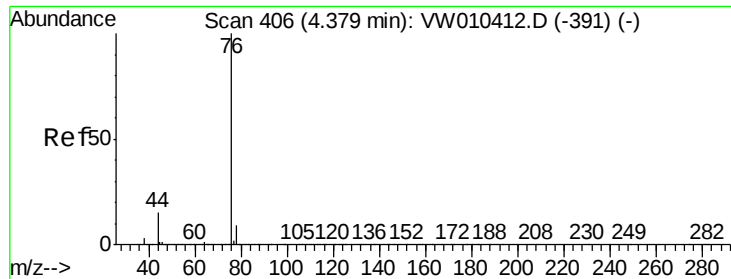
Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.5	39.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

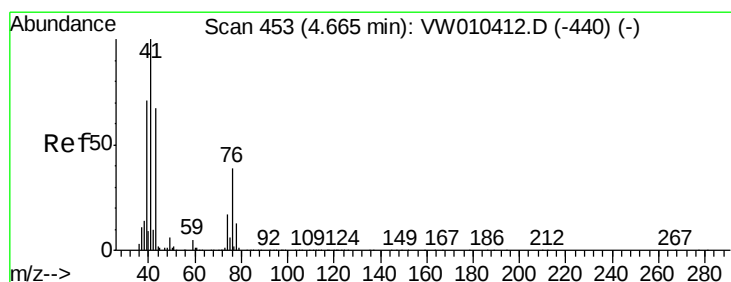
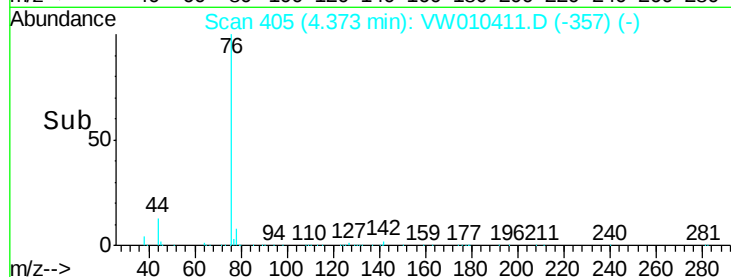
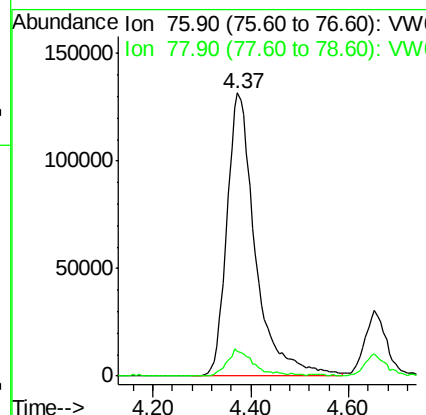
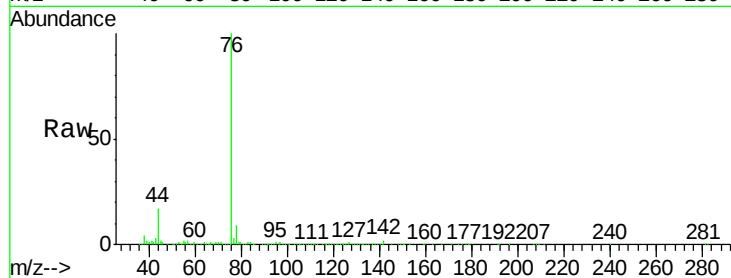




#17
Carbon Disulfide
Concen: 15.918 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

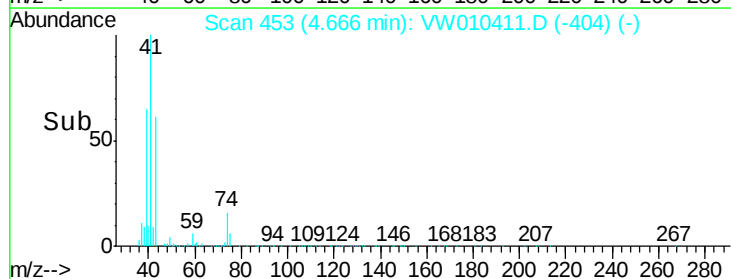
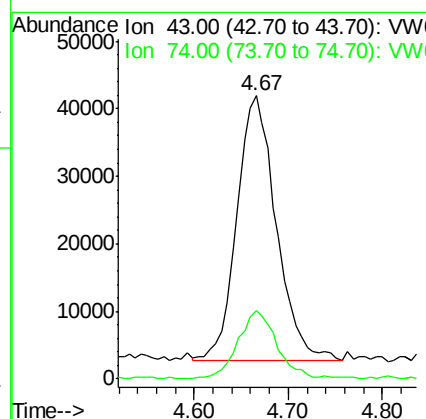
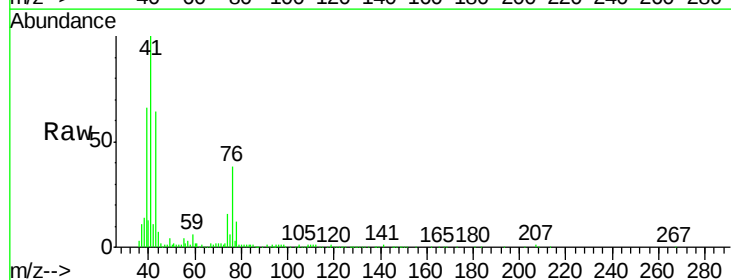
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

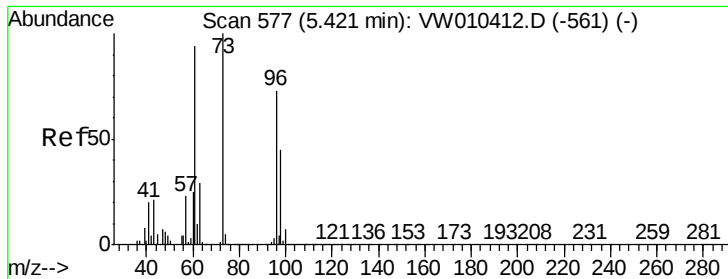
Tot Ion: 76 Resp: 530570
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 16.263 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion: 43 Resp: 113899
Ion Ratio Lower Upper
43 100
74 25.3 20.7 31.1



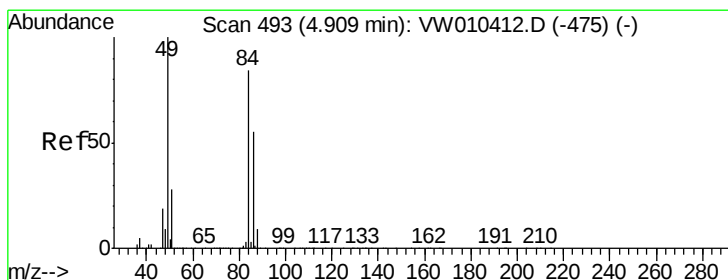
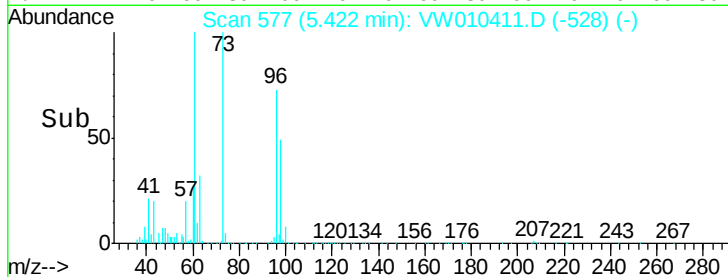
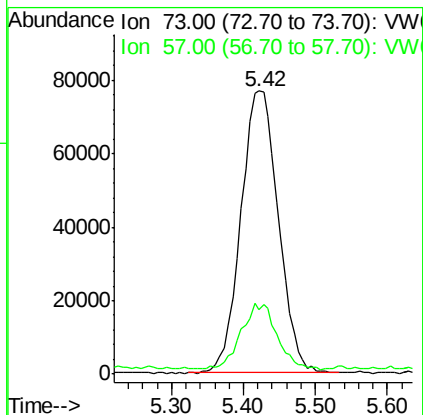
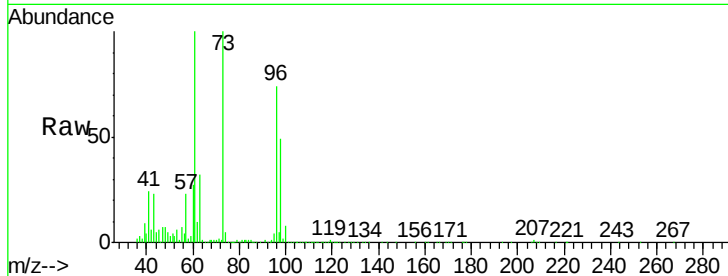


#19

Methyl tert-butyl Ether
 Concen: 20.208 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

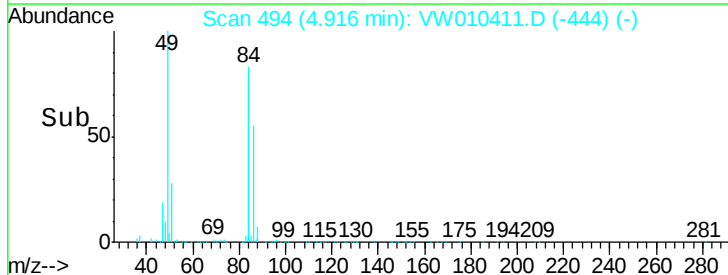
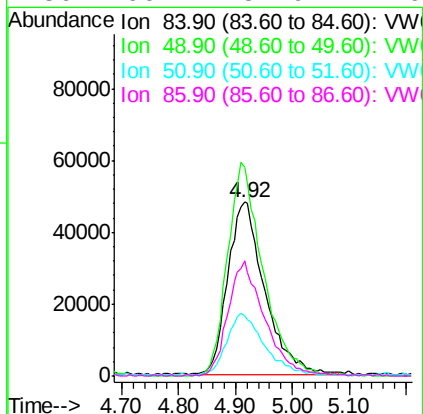
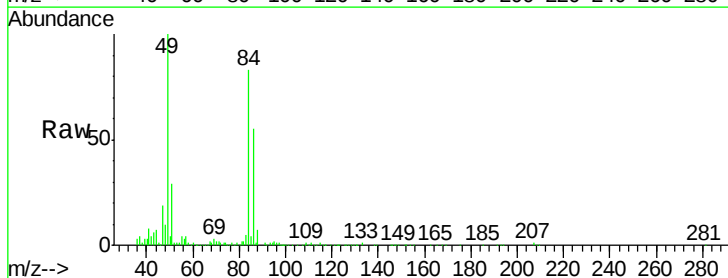
Tot Ion: 73 Resp: 276666
 Ion Ratio Lower Upper
 73 100
 57 20.9 18.2 27.4

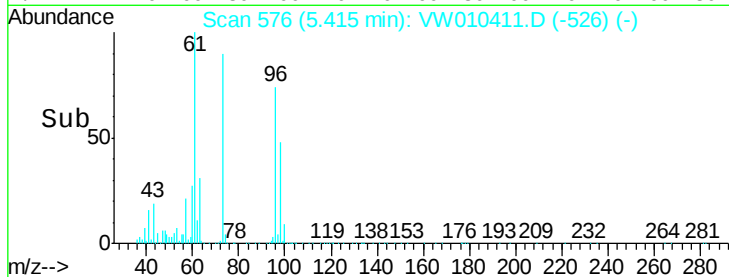
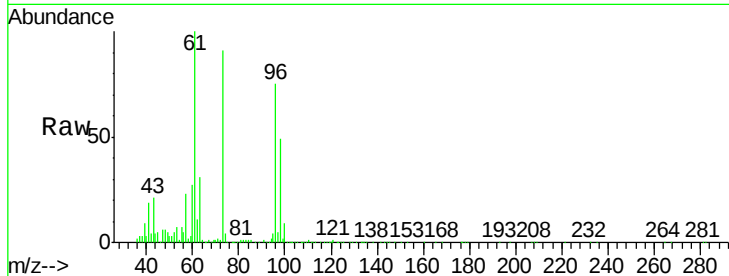
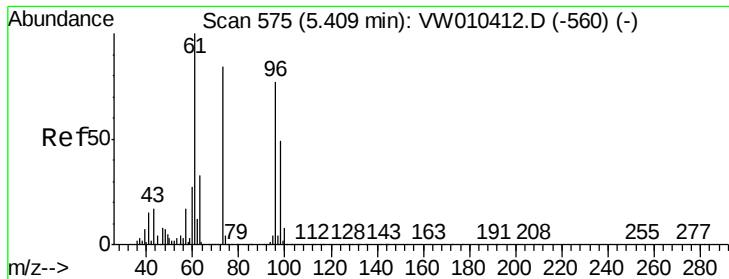


#20

Methylene Chloride
 Concen: 18.085 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

Tgt Ion: 84 Resp: 216720
 Ion Ratio Lower Upper
 84 100
 49 121.2 95.0 142.4
 51 34.6 27.0 40.4
 86 66.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 17.862 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

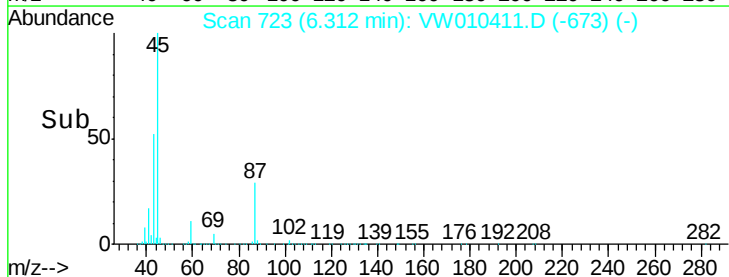
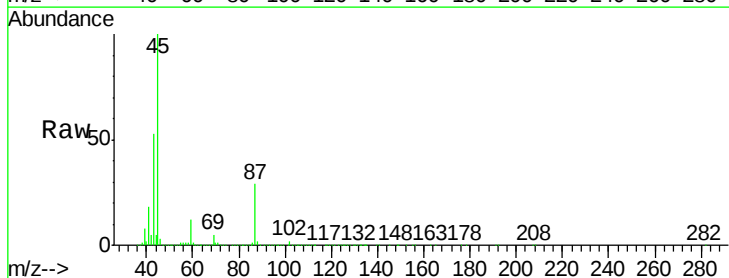
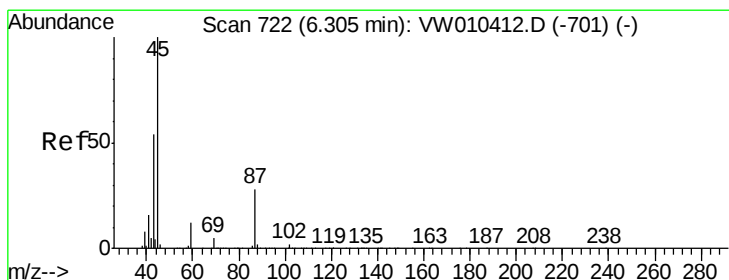
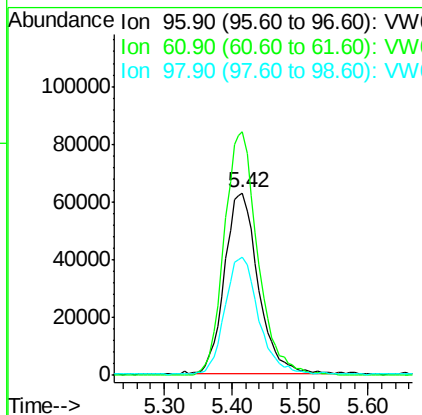
Tot Ion: 96 Resp: 216730

Ion Ratio Lower Upper

96 100

61 133.9 103.6 155.4

98 64.7 50.4 75.6



#22

Diisopropyl ether

Concen: 18.098 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Tgt Ion: 45 Resp: 590929

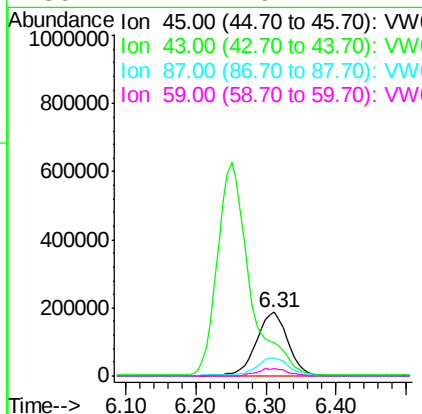
Ion Ratio Lower Upper

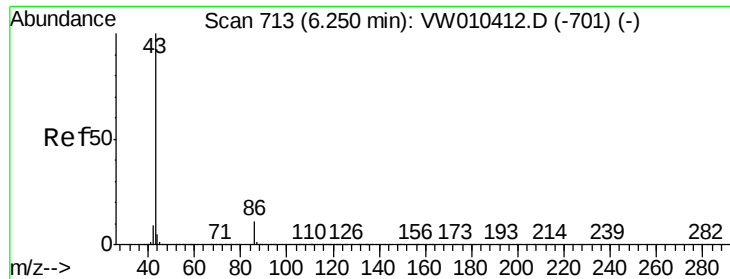
45 100

43 51.5 43.1 64.7

87 29.0 22.7 34.1

59 11.4 9.4 14.2





#23

Vinyl Acetate

Concen: 89.745 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

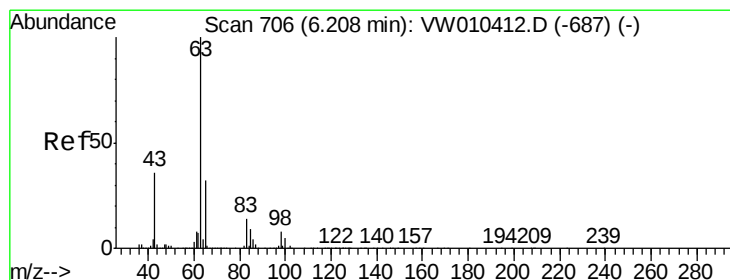
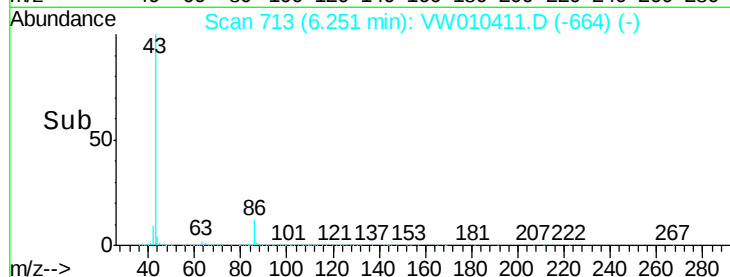
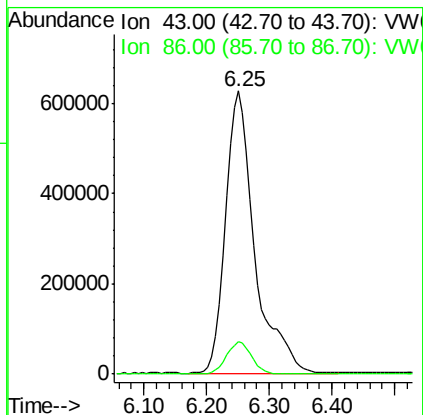
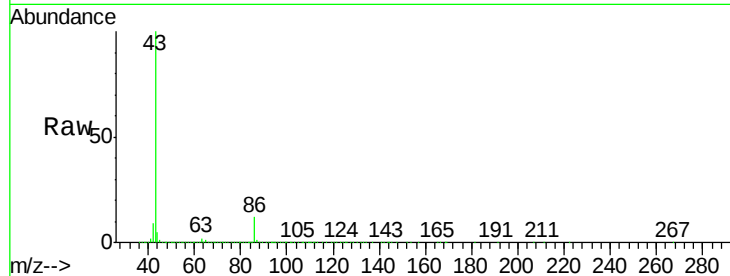
VSTDIC020

Tot Ion: 43 Resp: 2013568

Ion Ratio Lower Upper

43 100

86 11.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 16.961 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

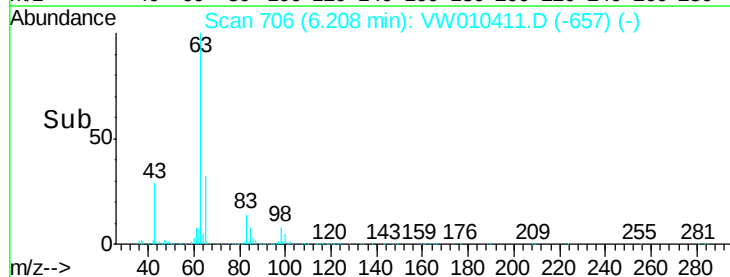
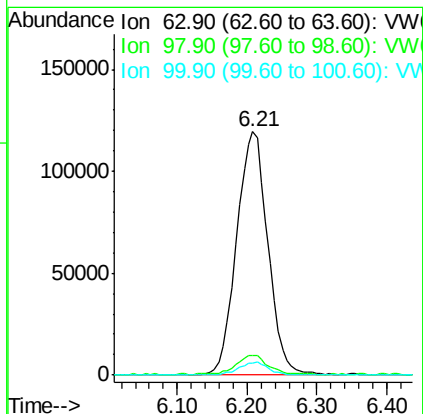
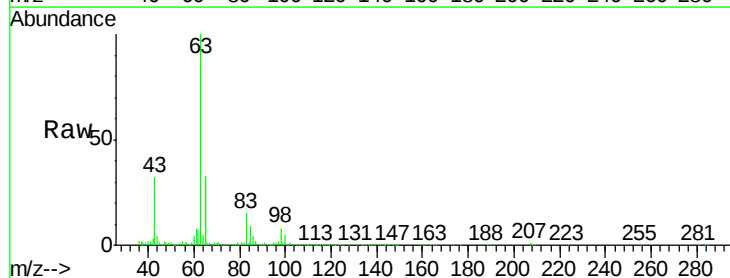
Tgt Ion: 63 Resp: 370277

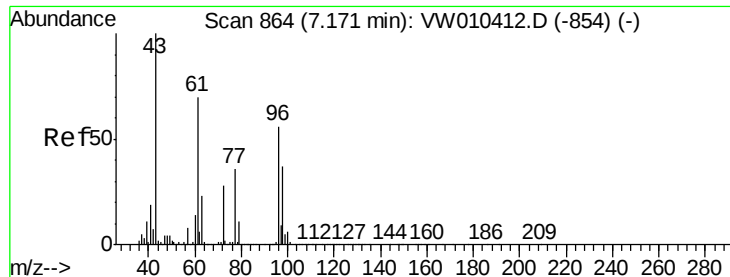
Ion Ratio Lower Upper

63 100

98 8.0 4.1 12.3

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 78.971 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampled :

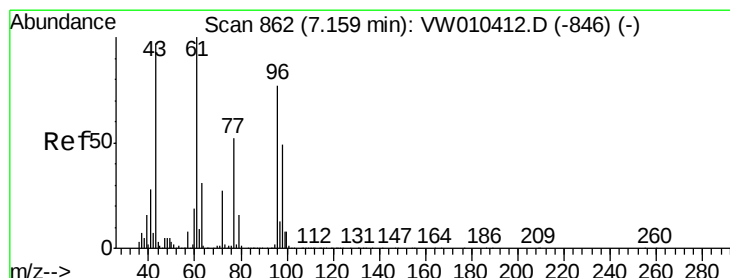
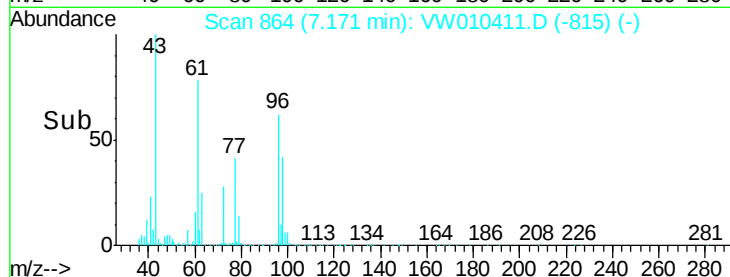
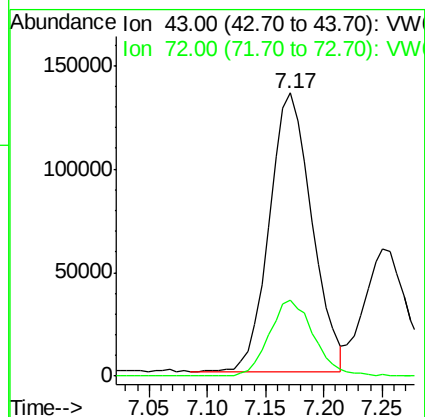
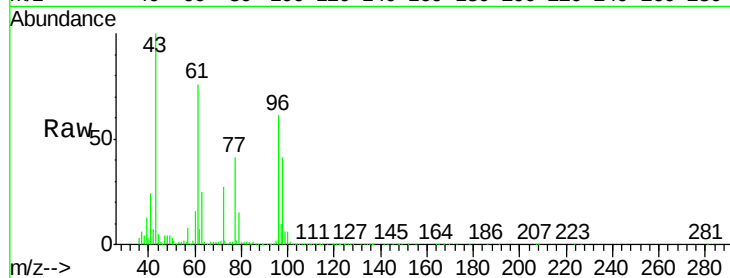
VSTDIC020

Tot Ion: 43 Resp: 341146

Ion Ratio Lower Upper

43 100

72 27.4 22.1 33.1



#26

2,2-Dichloropropane

Concen: 17.535 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010411.D

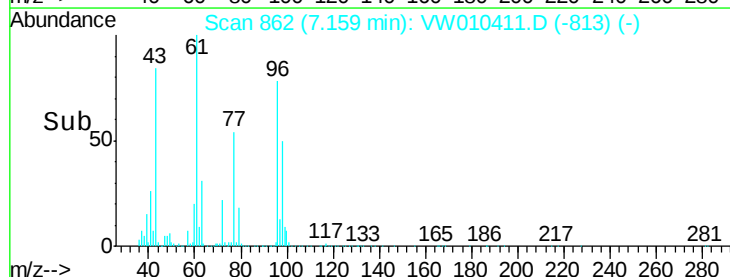
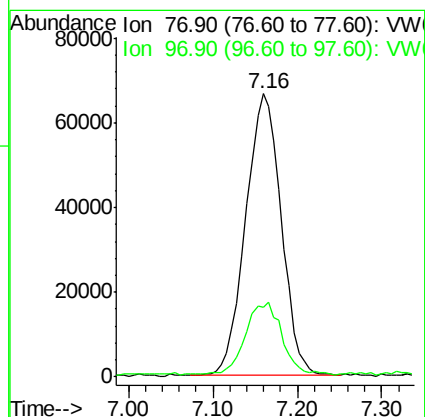
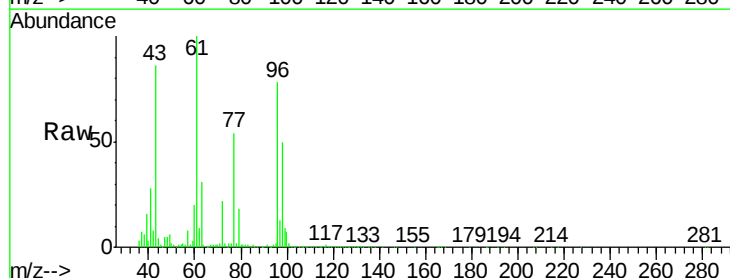
Acq: 16 May 2019 19:36

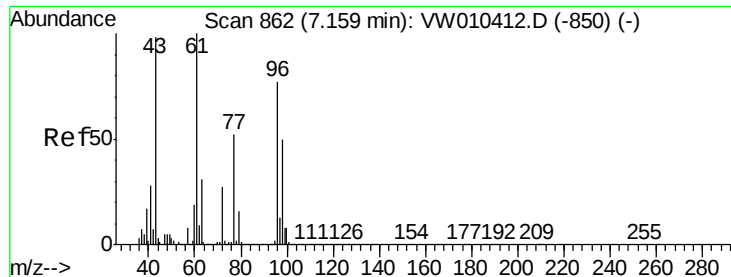
Tgt Ion: 77 Resp: 190366

Ion Ratio Lower Upper

77 100

97 26.1 12.7 38.0



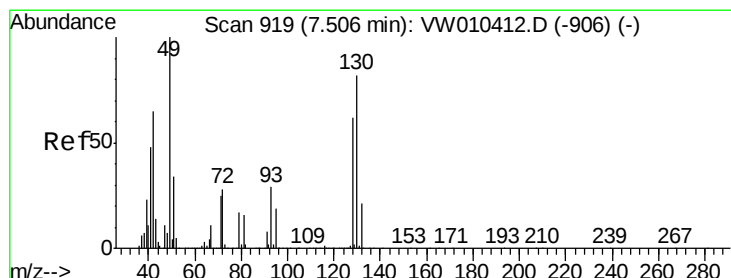
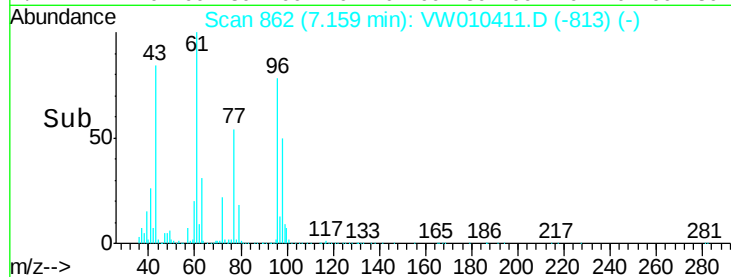
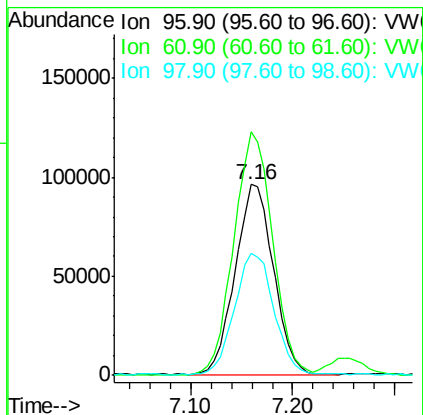
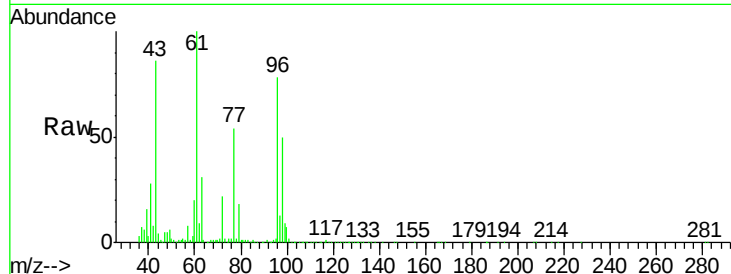


#27

cis-1,2-Dichloroethene
 Concen: 19.720 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

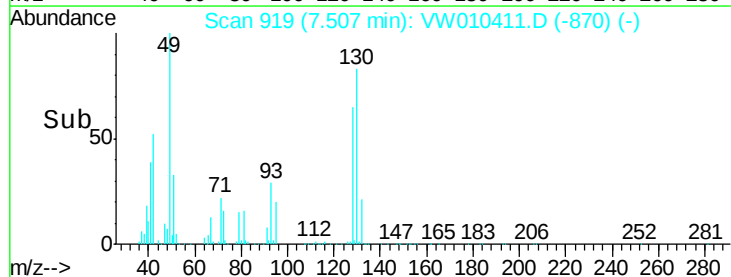
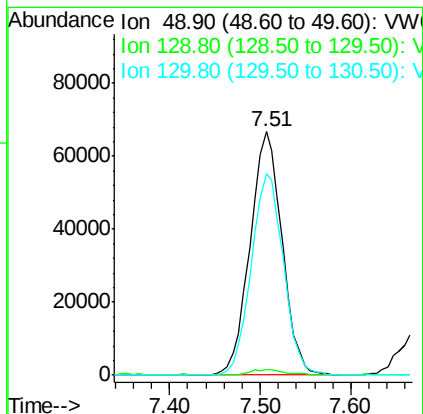
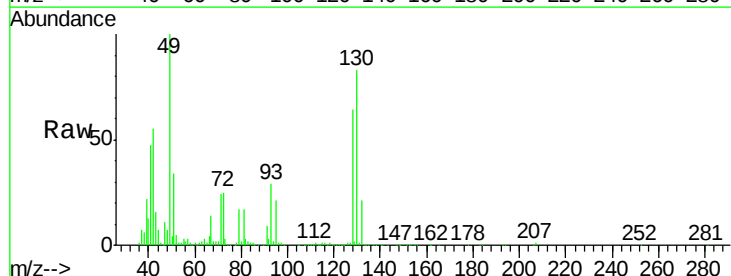
Tot Ion	96	Resp	250537
Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	257.8
98	65.7	0.0	128.4

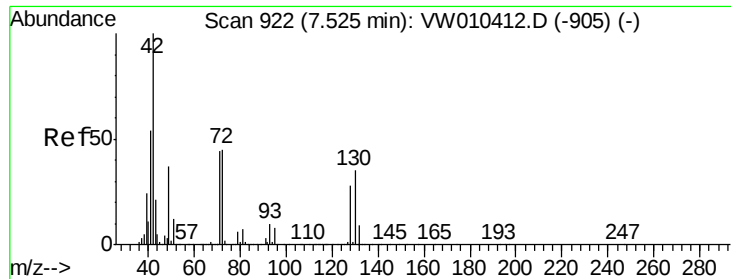


#28

Bromochloromethane
 Concen: 19.530 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

Tgt Ion	49	Resp	162935
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	82.9	67.0	100.4

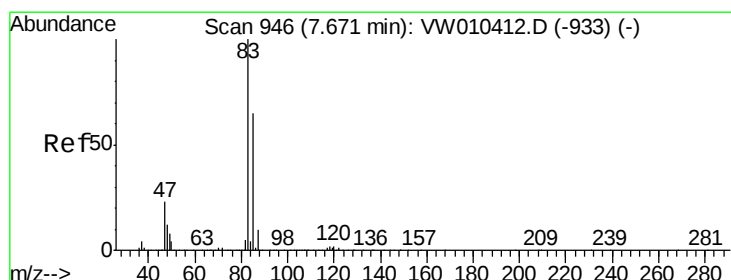
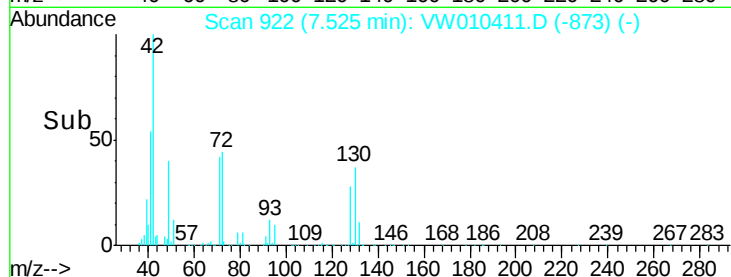
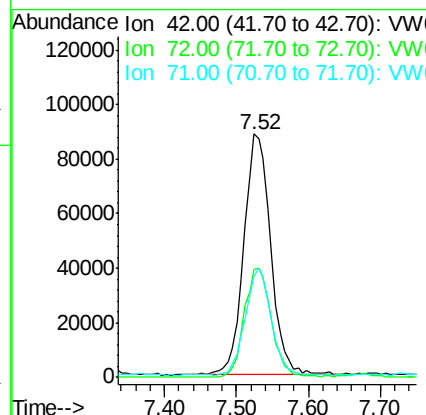
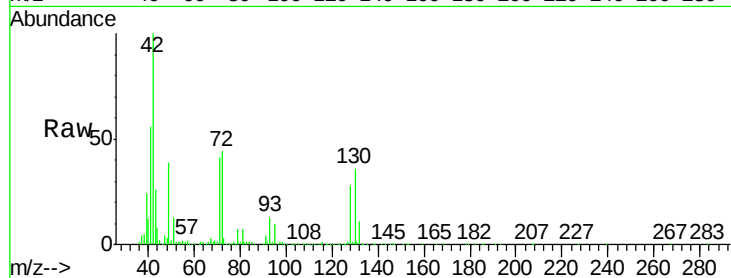




#29
Tetrahydrofuran
Concen: 81.660 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

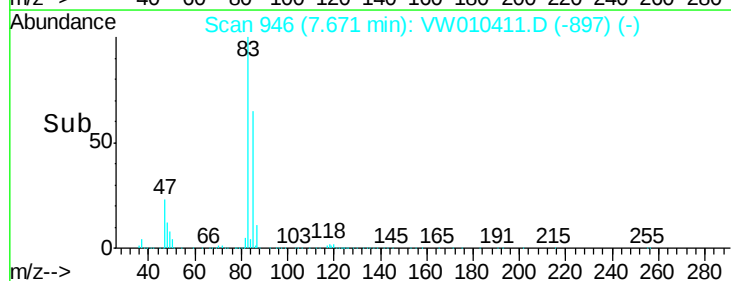
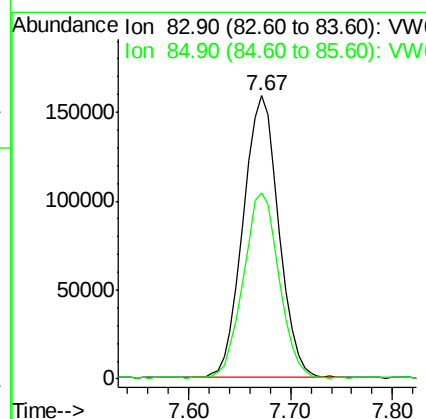
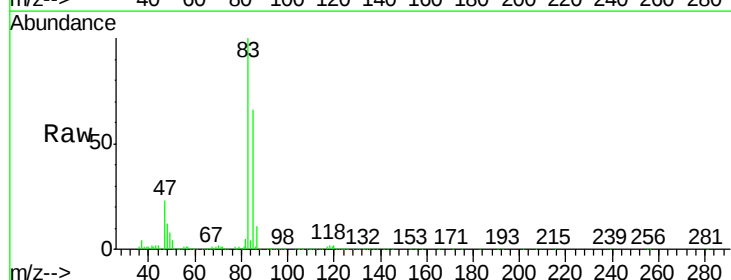
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

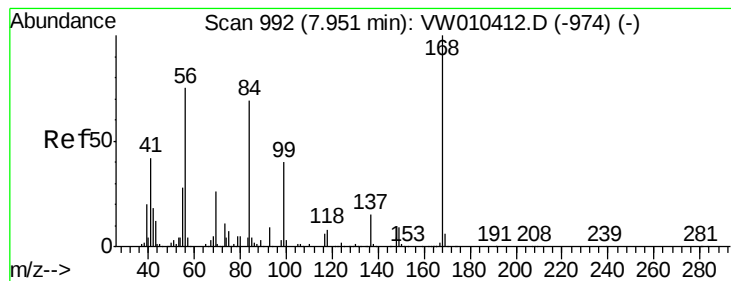
Tot Ion: 42 Resp: 229273
Ion Ratio Lower Upper
42 100
72 45.0 35.6 53.4
71 42.0 33.7 50.5



#30
Chloroform
Concen: 18.507 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion: 83 Resp: 384501
Ion Ratio Lower Upper
83 100
85 65.5 52.0 78.0





#31

Cvclohexane

Concen: 15.790 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

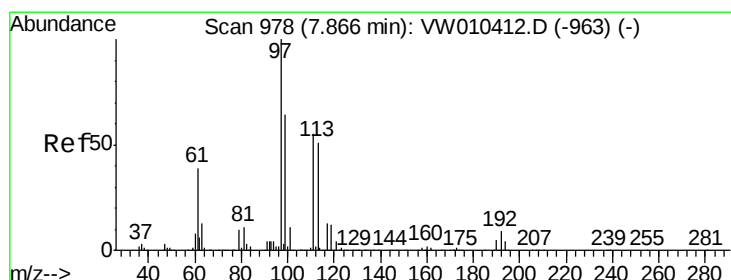
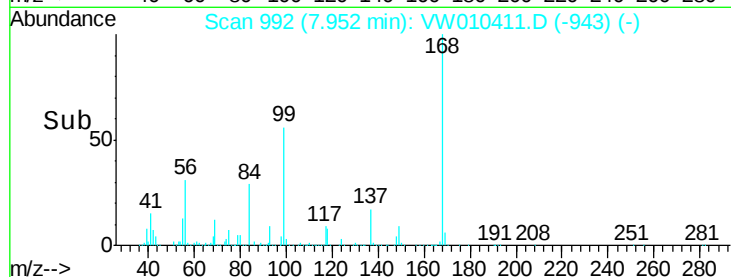
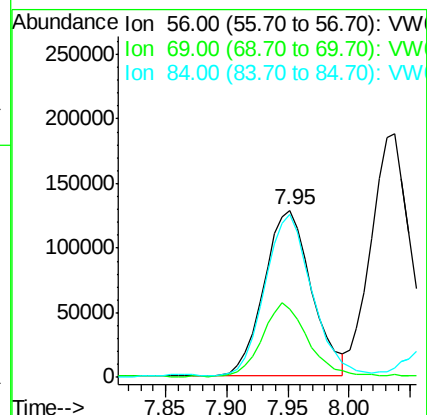
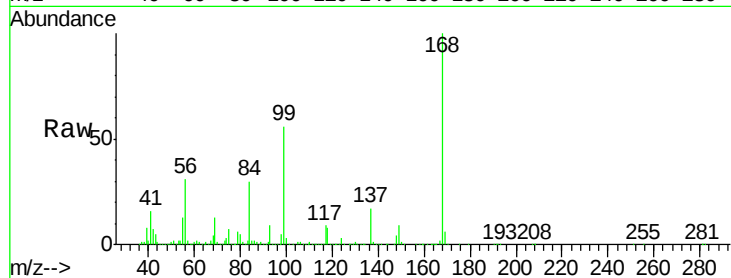
Tot Ion: 56 Resp: 347965

Ion Ratio Lower Upper

56 100

69 40.3 27.9 41.9

84 96.7 73.9 110.9



#32

1,1,1-Trichloroethane

Concen: 18.971 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

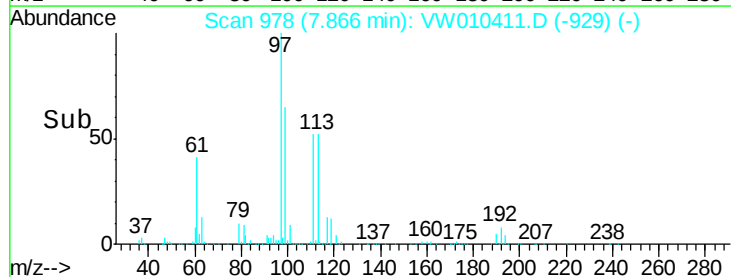
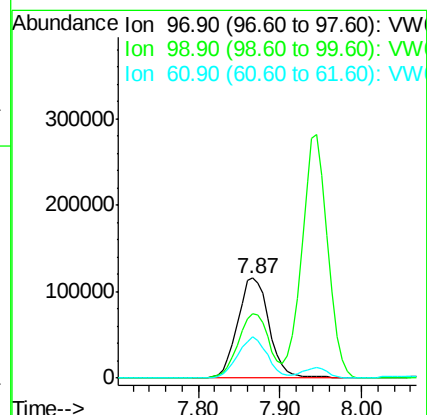
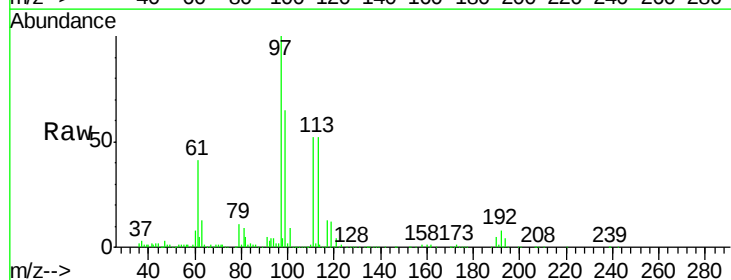
Tgt Ion: 97 Resp: 305277

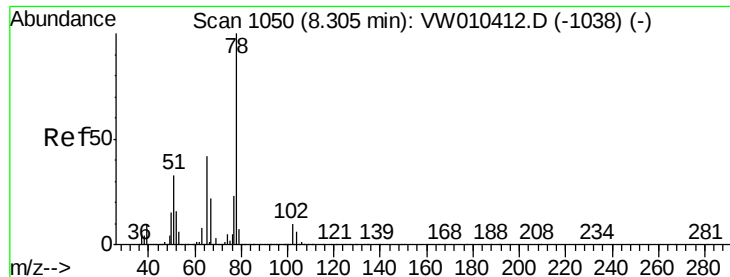
Ion Ratio Lower Upper

97 100

99 64.0 50.6 76.0

61 39.4 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 18.330 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

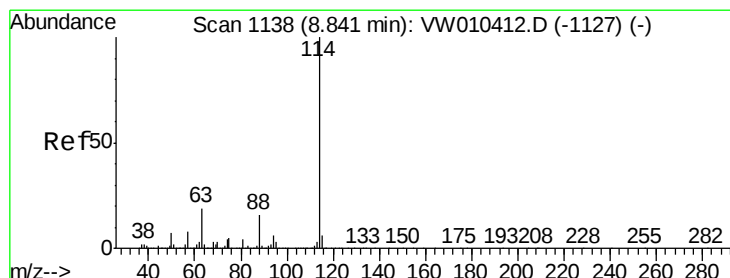
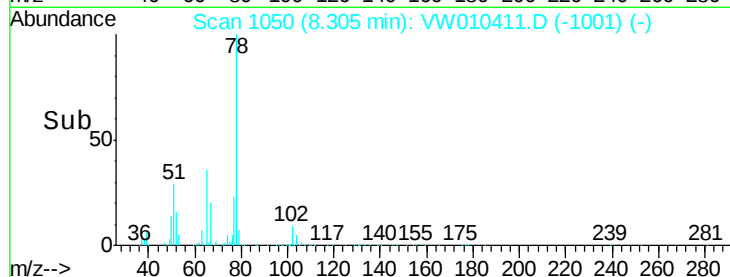
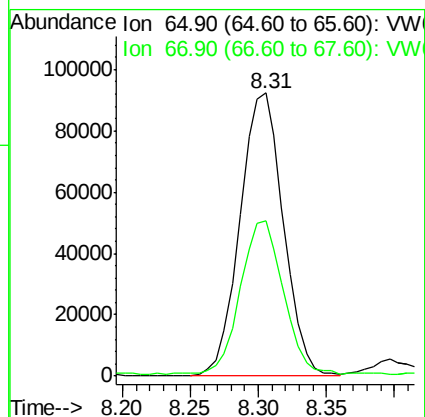
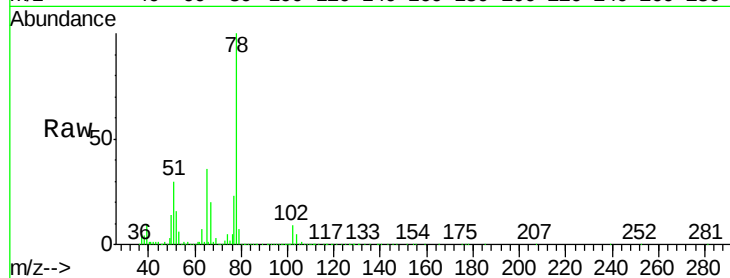
VSTDIC020

Tot Ion: 65 Resp: 204570

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

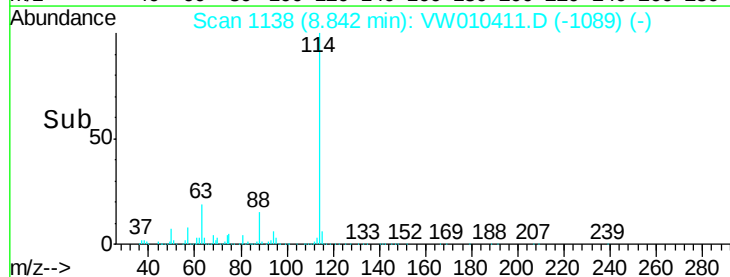
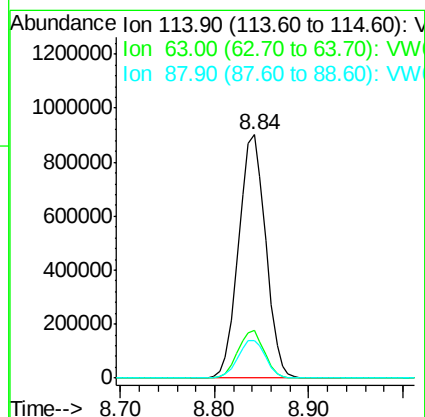
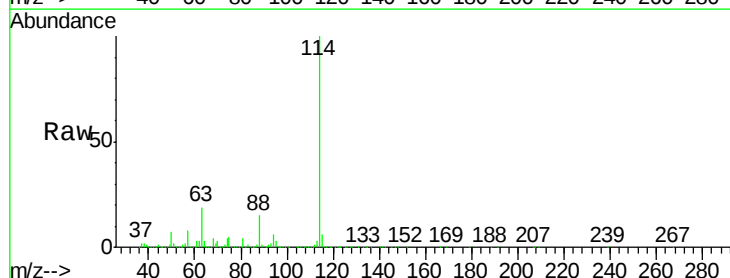
Tgt Ion: 114 Resp: 1799627

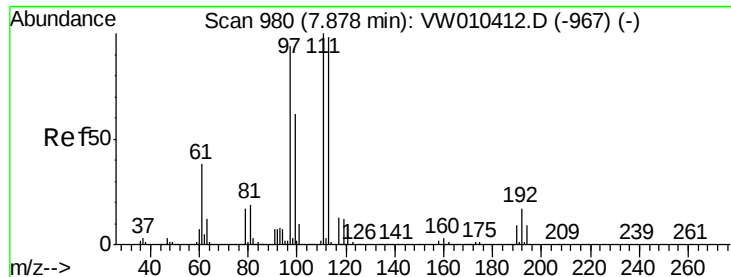
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.6

88 15.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 19.400 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

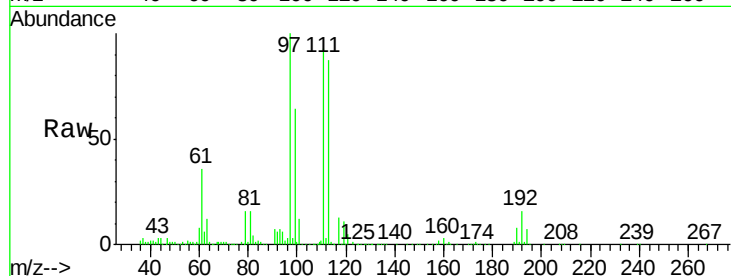
Tot Ion:113 Resp: 206188

Ion Ratio Lower Upper

113 100

111 104.6 82.2 123.4

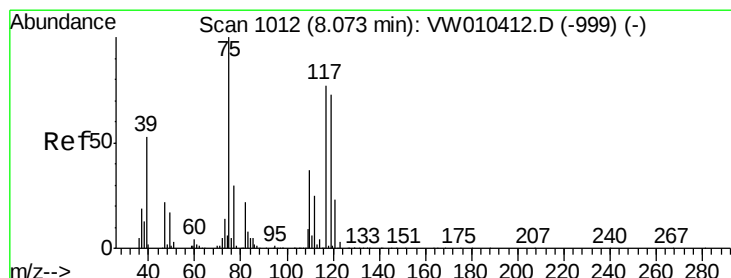
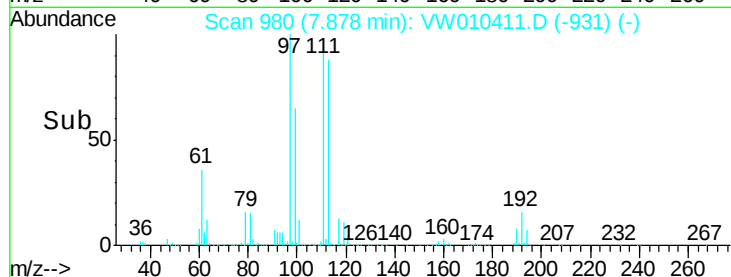
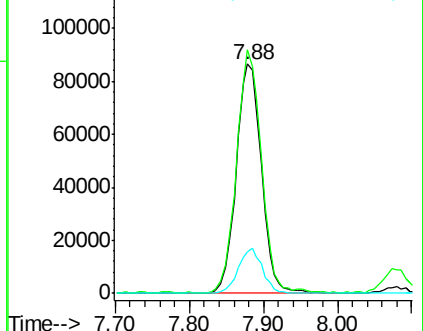
192 18.8 15.2 22.8



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: 15.860 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

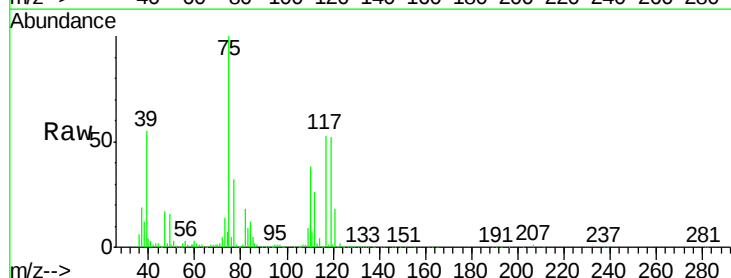
Tgt Ion: 75 Resp: 299138

Ion Ratio Lower Upper

75 100

110 38.7 18.9 56.7

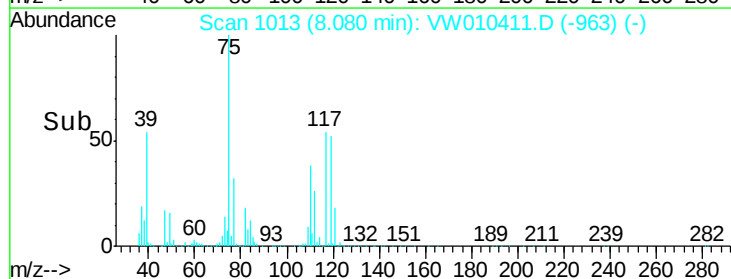
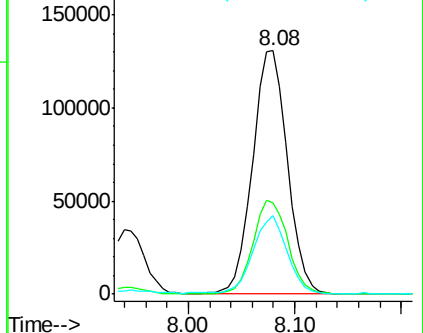
77 30.7 24.6 37.0

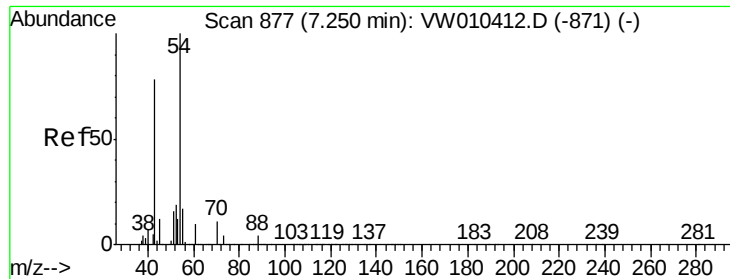


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

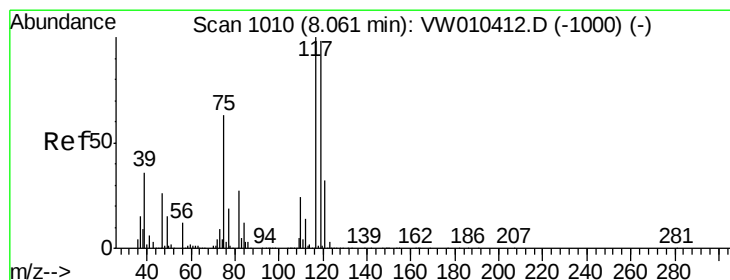
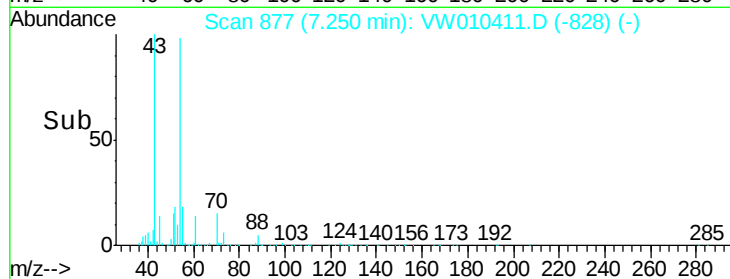
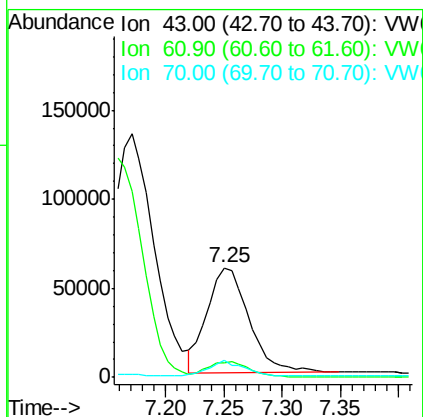
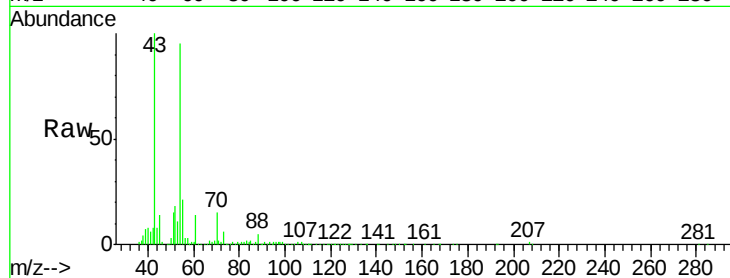




#37
Ethyl Acetate
Concen: 14.729 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

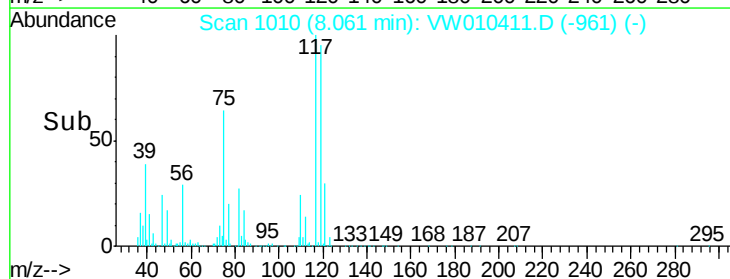
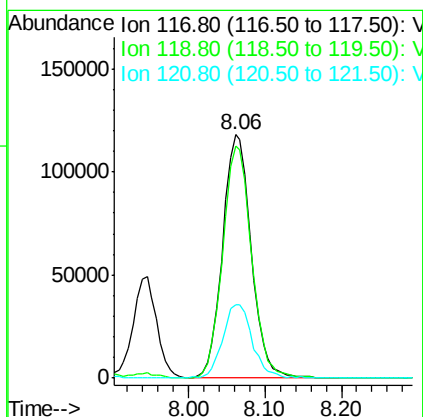
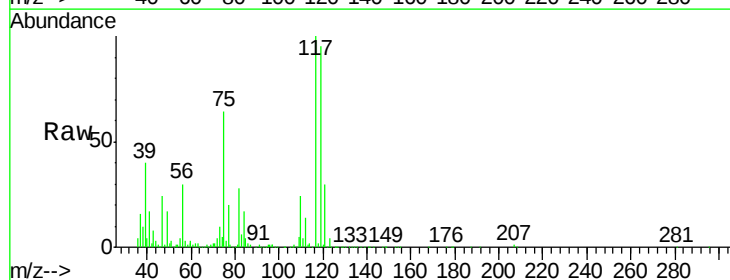
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

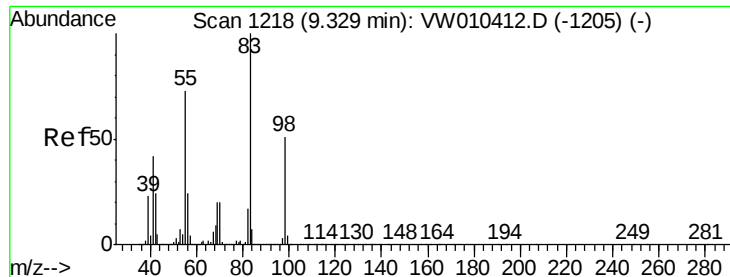
Tot Ion: 43 Resp: 148034
Ion Ratio Lower Upper
43 100
61 15.2 11.0 16.4
70 12.8 9.1 13.7



#38
Carbon Tetrachloride
Concen: 18.321 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion: 117 Resp: 304768
Ion Ratio Lower Upper
117 100
119 95.4 78.2 117.4
121 30.0 25.3 37.9

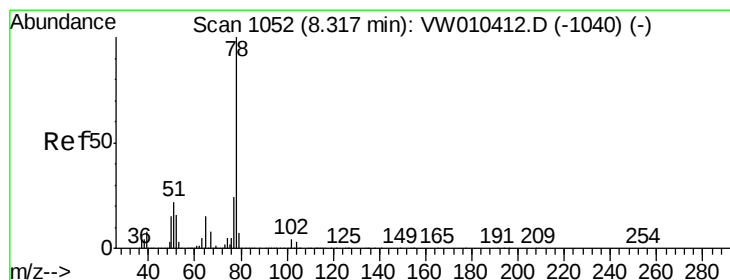
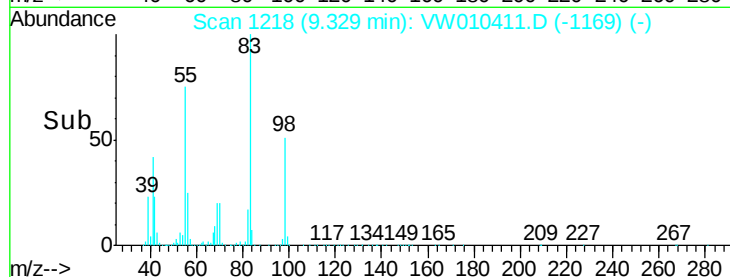
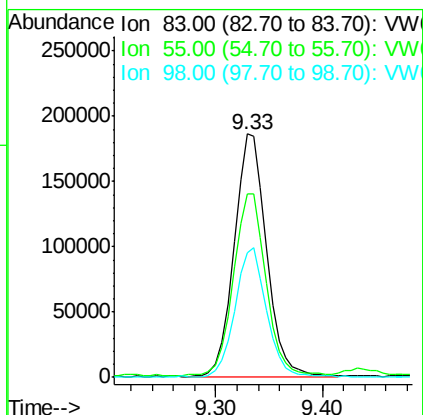
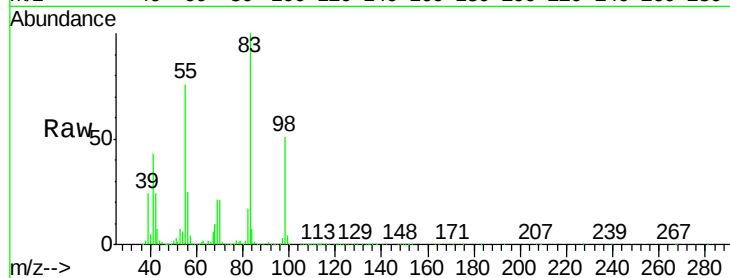




#39
Methvlcvclohexane
Concen: 17.110 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

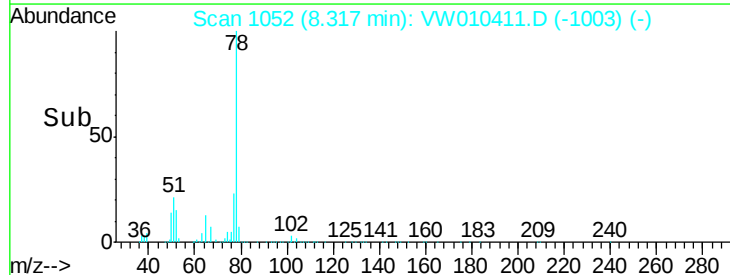
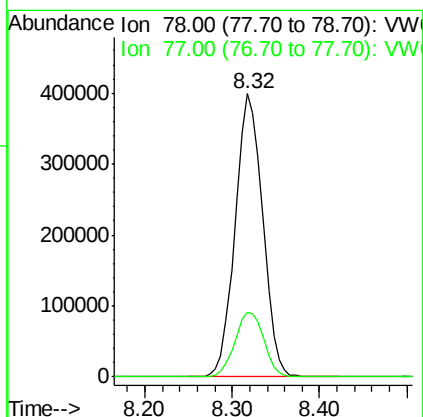
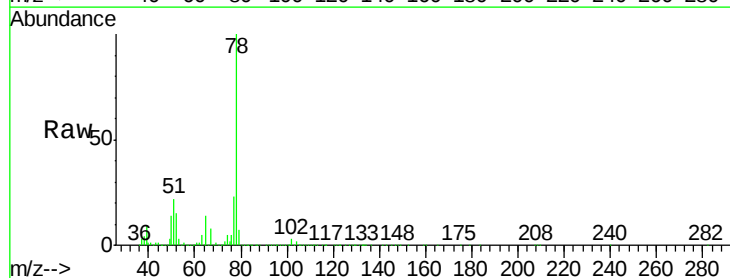
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

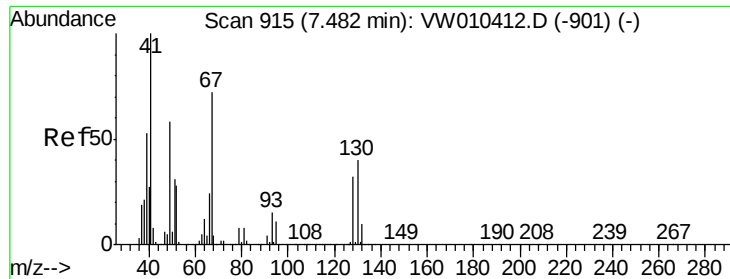
Tot Ion: 83 Resp: 396760
Ion Ratio Lower Upper
83 100
55 74.8 58.7 88.1
98 51.3 40.7 61.1



#40
Benzene
Concen: 16.724 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion: 78 Resp: 873351
Ion Ratio Lower Upper
78 100
77 22.9 19.2 28.8

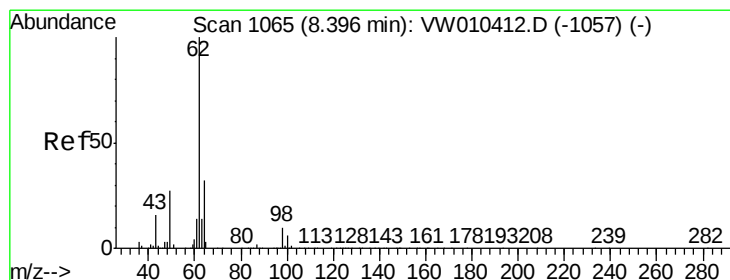
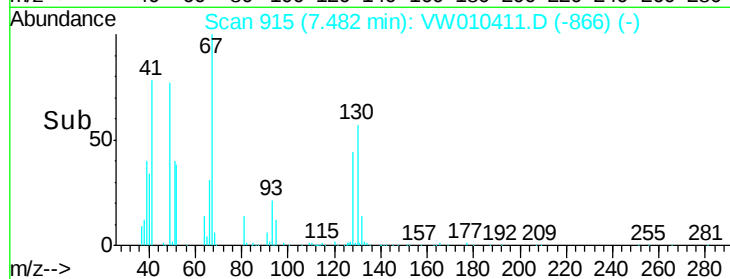
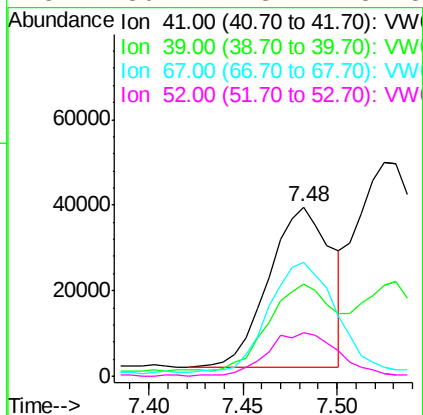
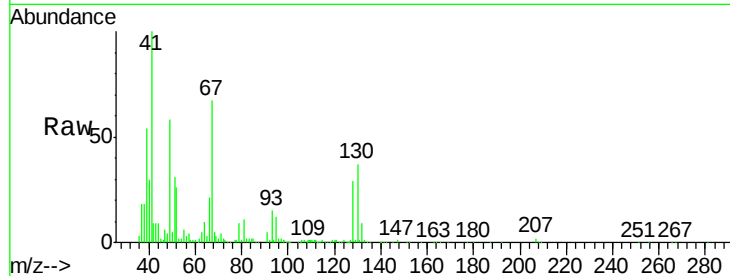




#41
Methacrylonitrile
Concen: 15.472 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

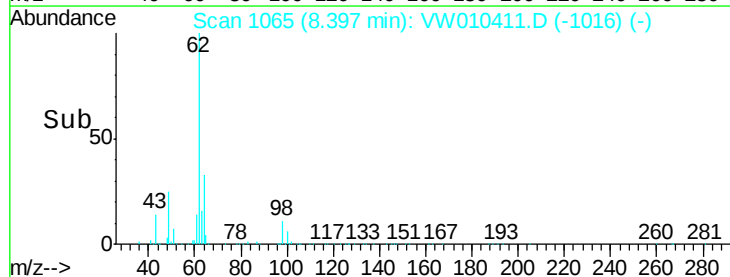
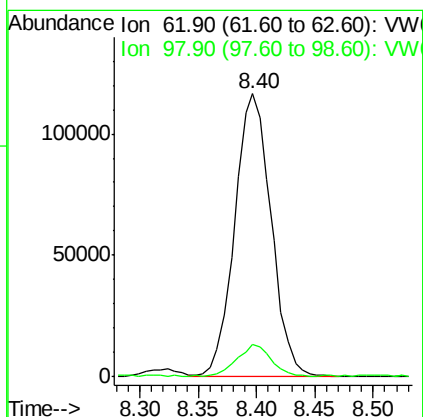
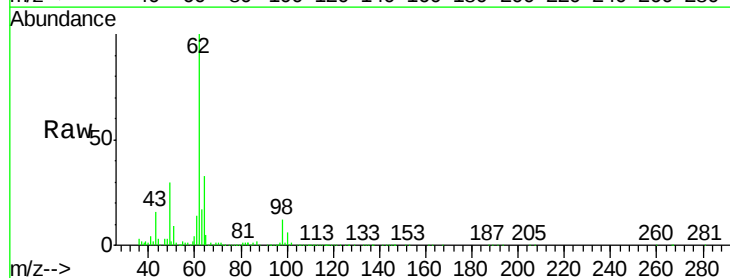
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

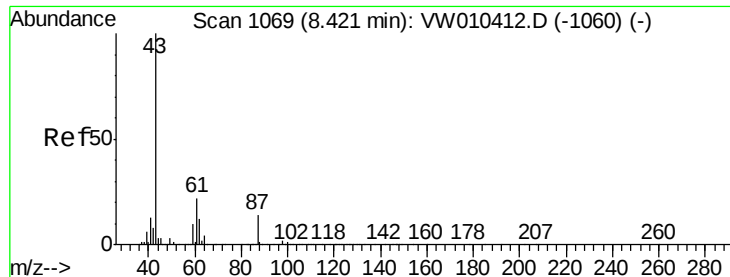
Tot Ion:	41	Resp:	87386
Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.7	64.1
67	75.2	58.8	88.2
52	30.1	23.2	34.8



#42
1,2-Dichloroethane
Concen: 16.886 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion:	62	Resp:	253951
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.4





#43

Isopropyl Acetate

Concen: 17.486 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

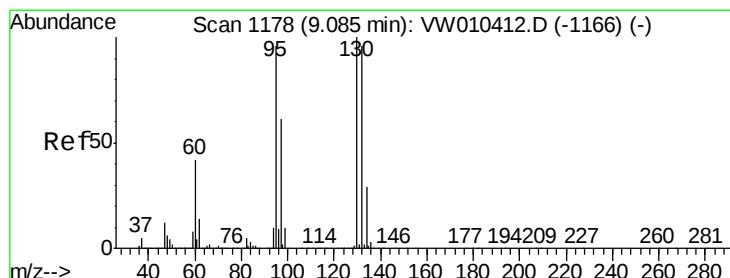
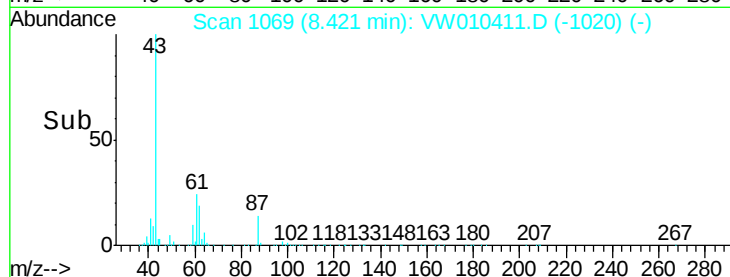
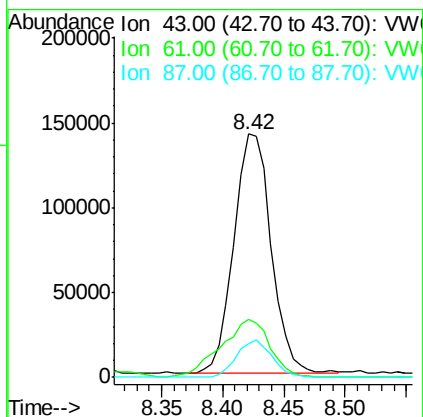
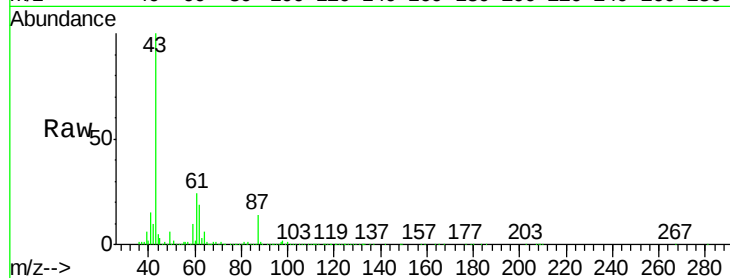
Tot Ion: 43 Resp: 300182

Ion Ratio Lower Upper

43 100

61 31.6 23.3 34.9

87 15.0 11.6 17.4



#44

Trichloroethene

Concen: 18.528 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW010411.D

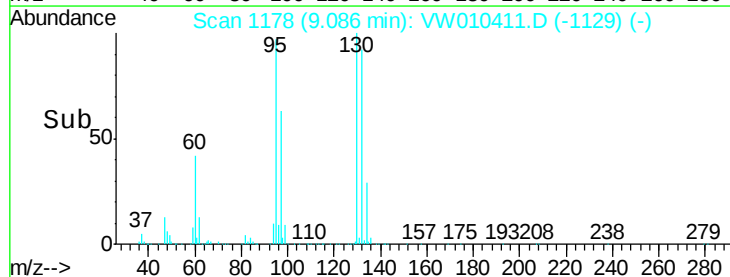
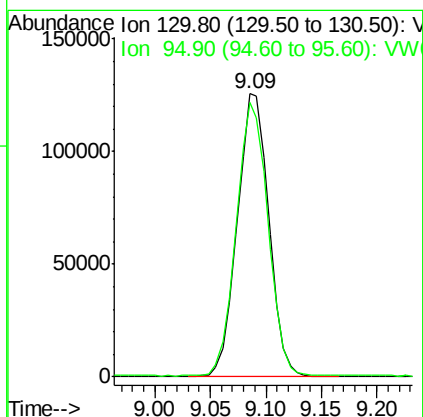
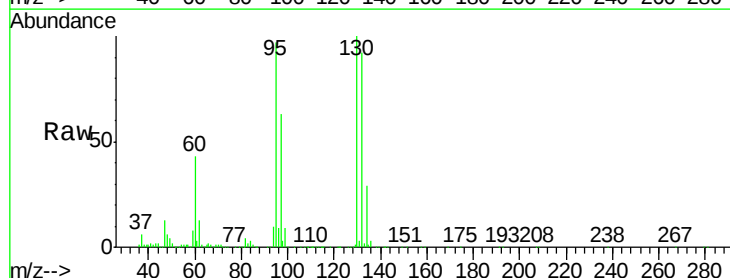
Acq: 16 May 2019 19:36

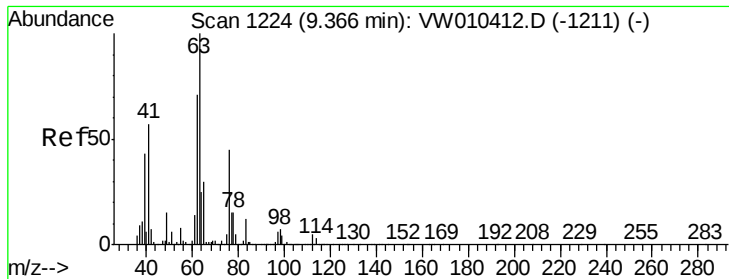
Tgt Ion: 130 Resp: 247171

Ion Ratio Lower Upper

130 100

95 96.6 0.0 192.4

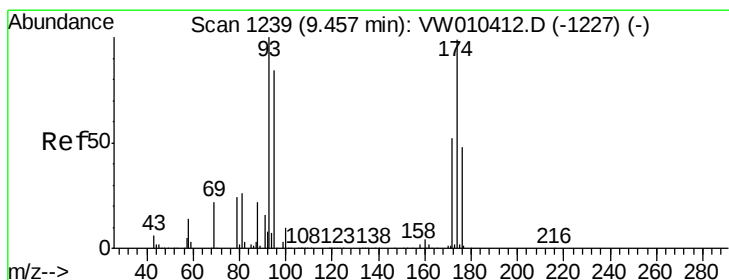
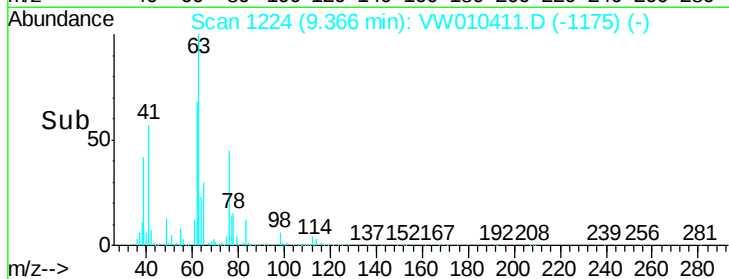
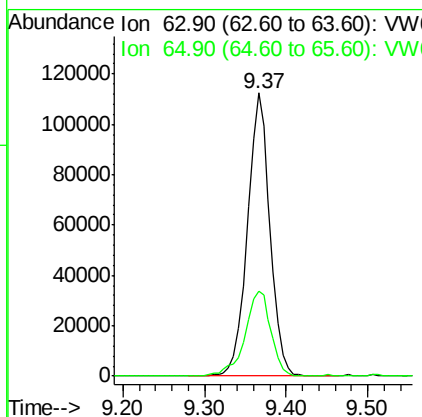
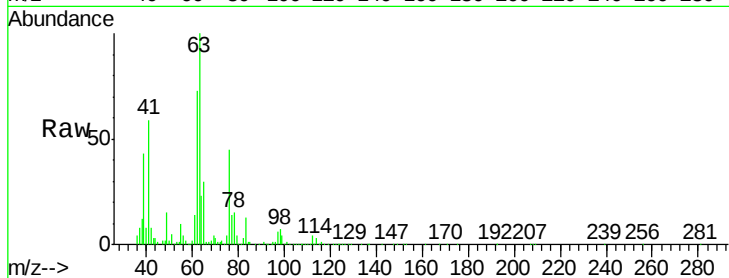




#45
 1,2-Dichloropropane
 Concen: 16.499 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

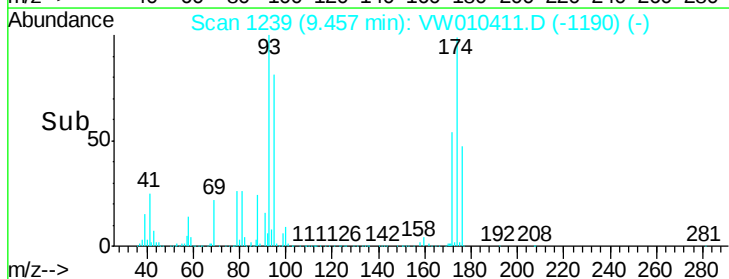
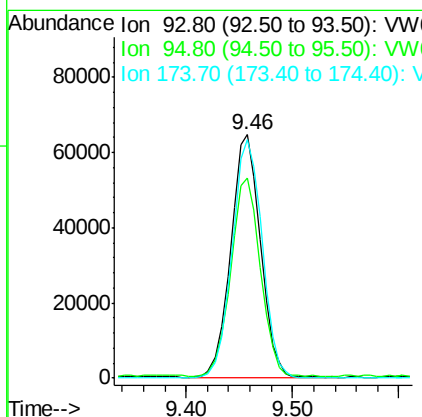
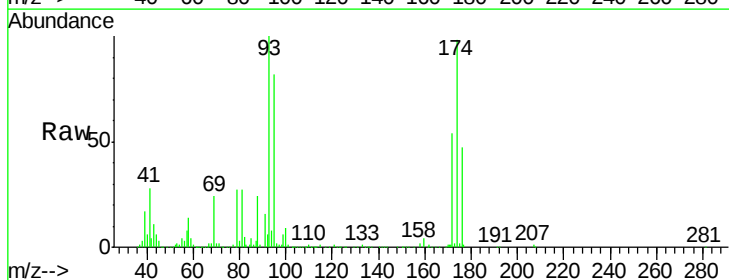
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

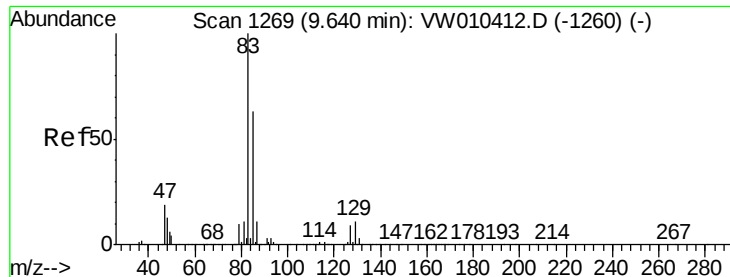
Tot Ion: 63 Resp: 214563
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.1 36.1



#46
 Dibromomethane
 Concen: 18.480 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

Tgt Ion: 93 Resp: 126610
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.6 100.0
 174 99.4 79.8 119.6





#47

Bromodichloromethane

Concen: 18.788 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

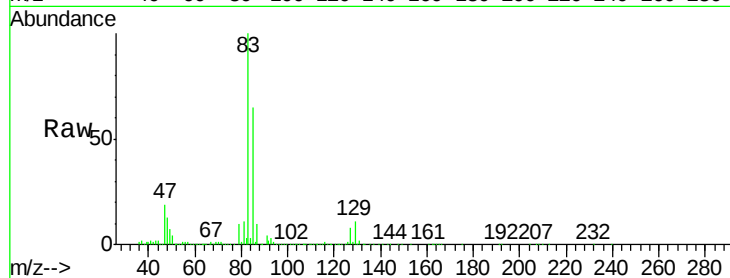
Tot Ion: 83 Resp: 310173

Ion Ratio Lower Upper

83 100

85 65.4 50.2 75.2

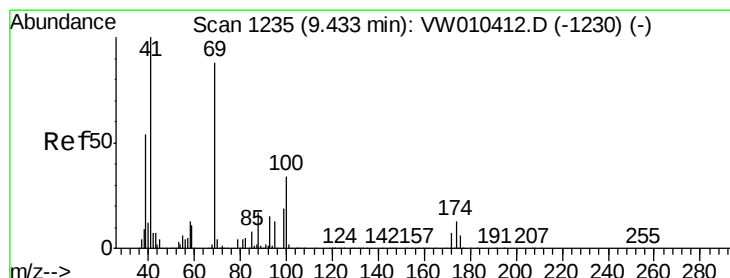
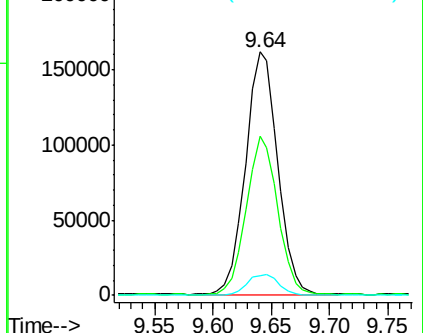
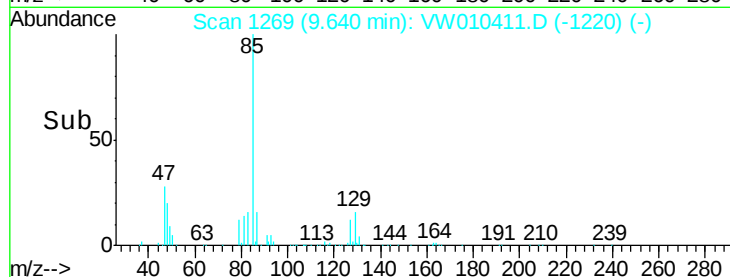
127 7.9 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.112 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

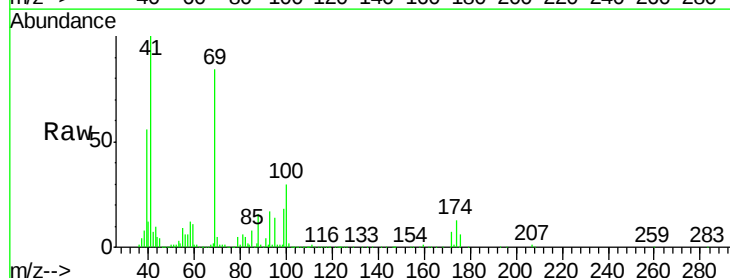
Tgt Ion: 41 Resp: 136828

Ion Ratio Lower Upper

41 100

69 91.7 72.6 108.8

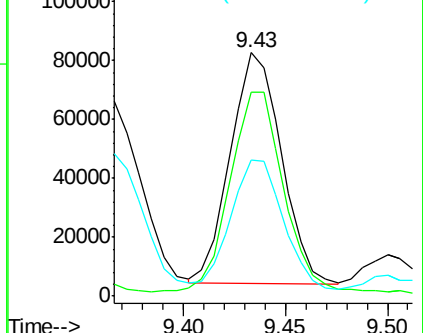
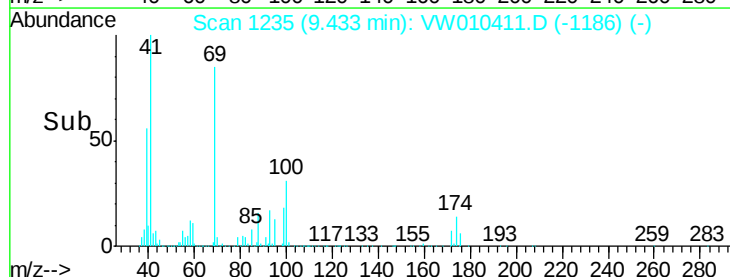
39 56.5 48.0 72.0

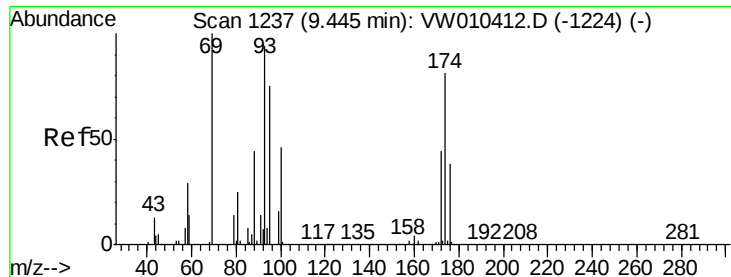


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 369.320 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

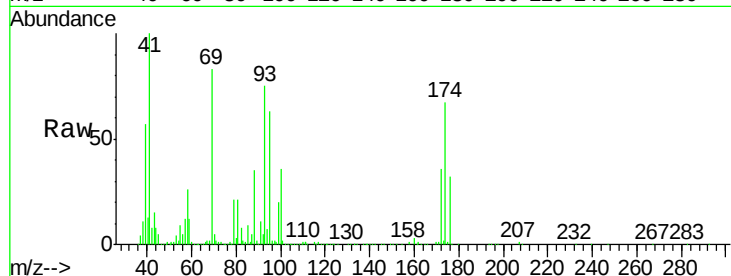
Tot Ion: 88 Resp: 43887

Ion Ratio Lower Upper

88 100

43 33.7 24.6 36.8

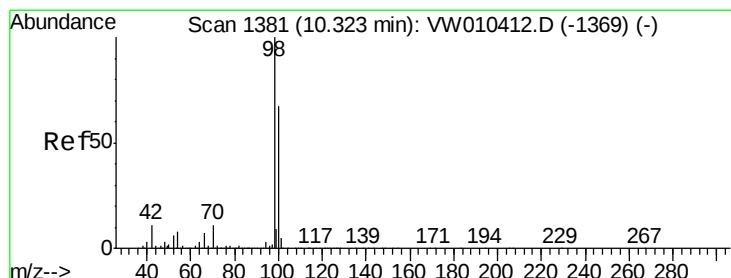
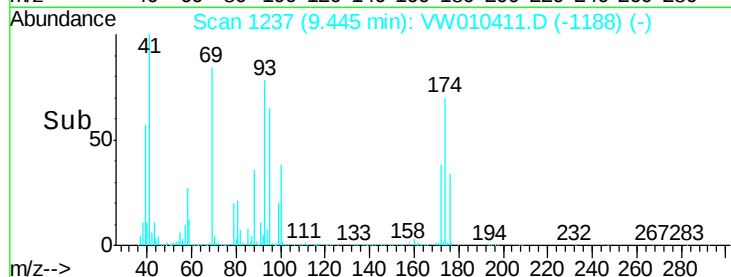
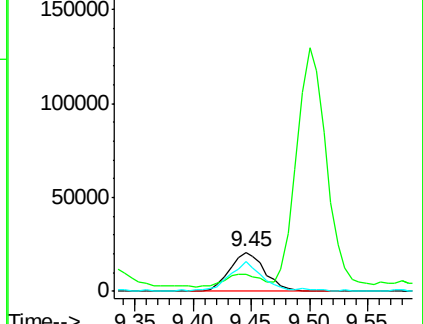
58 66.4 56.2 84.4



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: 18.435 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010411.D

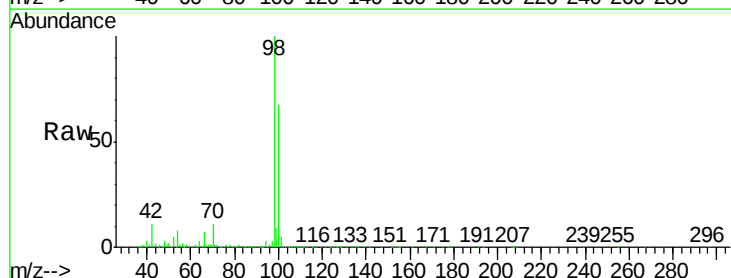
Acq: 16 May 2019 19:36

Tgt Ion: 98 Resp: 786865

Ion Ratio Lower Upper

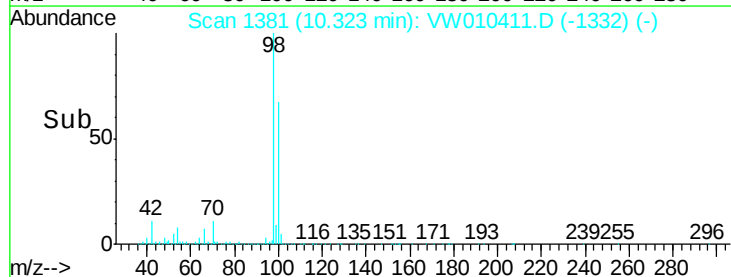
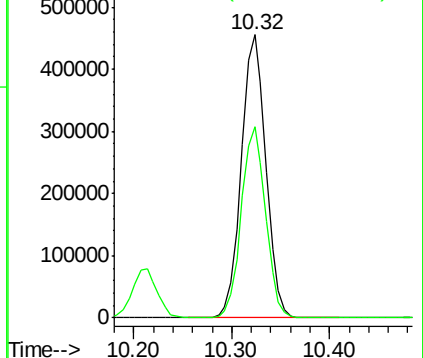
98 100

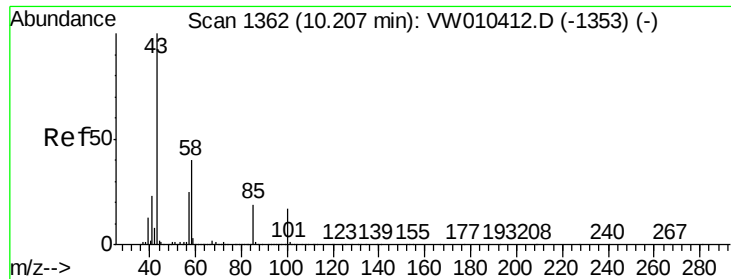
100 66.9 53.6 80.4



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: 81.452 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

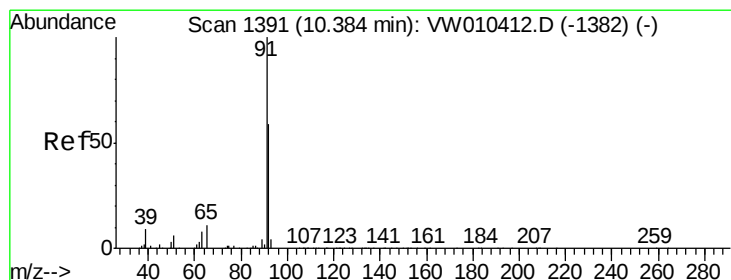
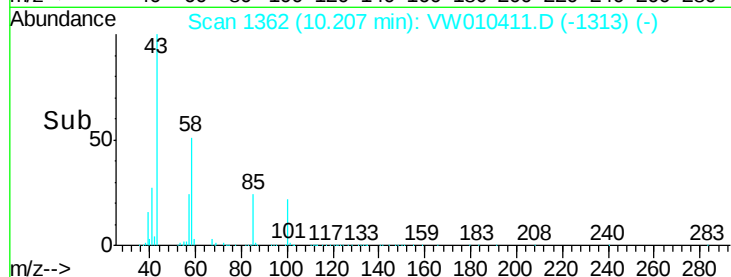
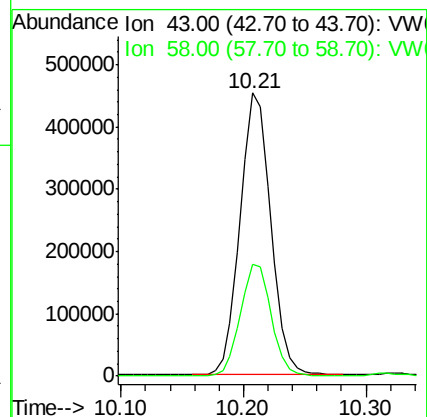
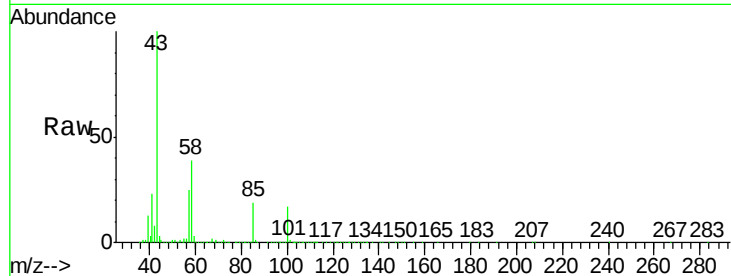
VSTDIC020

Tot Ion: 43 Resp: 783972

Ion Ratio Lower Upper

43 100

58 40.0 32.1 48.1



#52

Toluene

Concen: 18.118 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010411.D

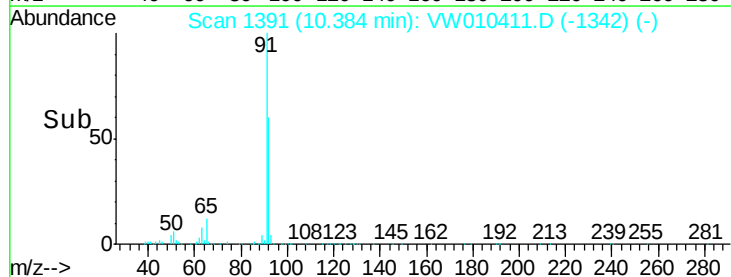
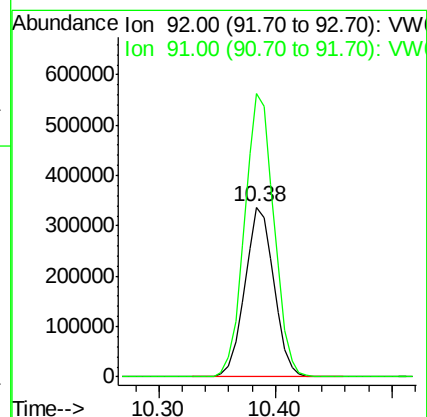
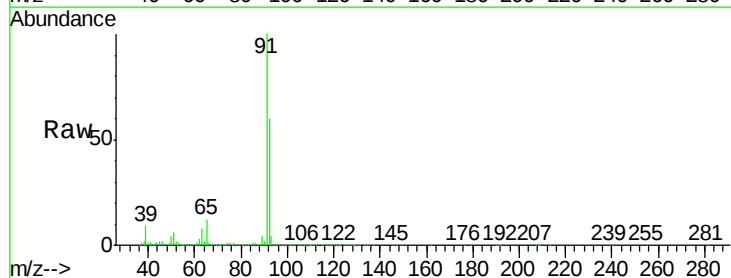
Acq: 16 May 2019 19:36

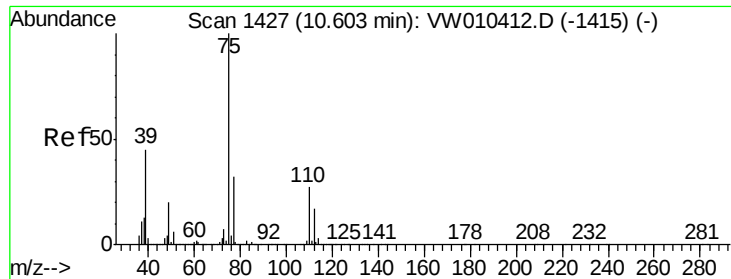
Tgt Ion: 92 Resp: 584794

Ion Ratio Lower Upper

92 100

91 168.7 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 19.391 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

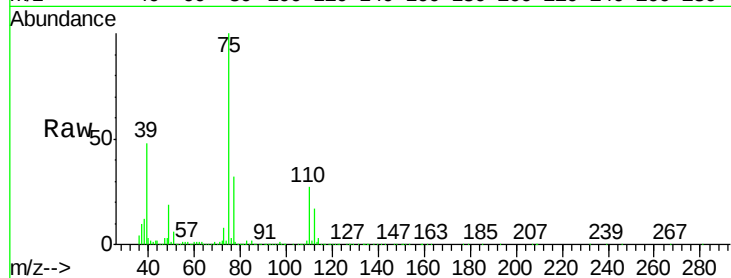
VSTDIC020

Tot Ion: 75 Resp: 324260

Ion Ratio Lower Upper

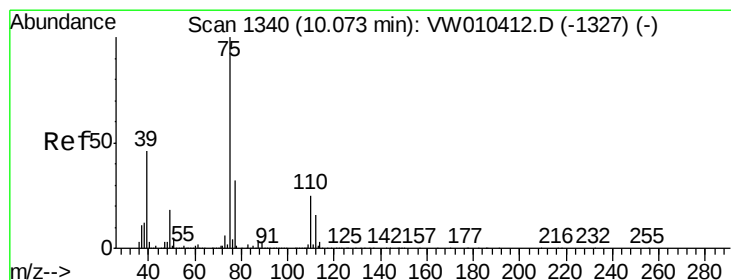
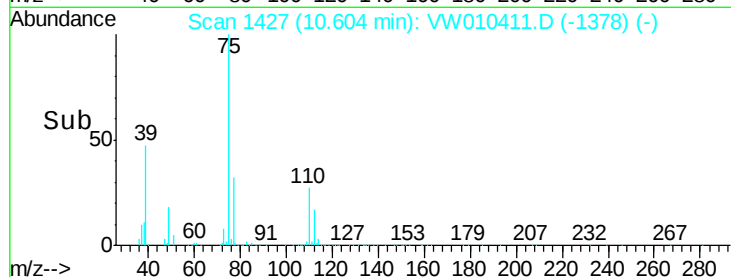
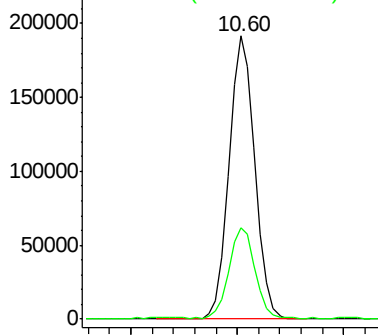
75 100

77 32.1 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 18.663 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

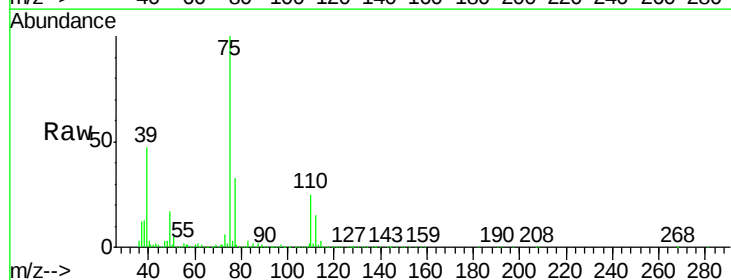
Tgt Ion: 75 Resp: 367089

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3

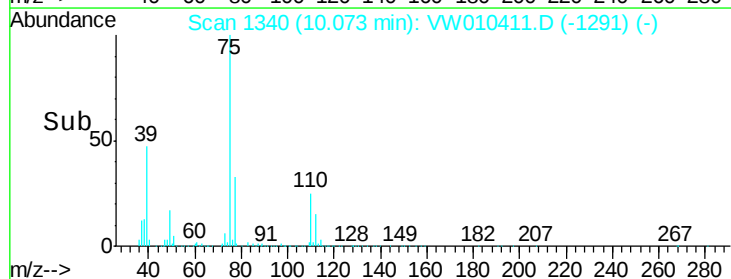
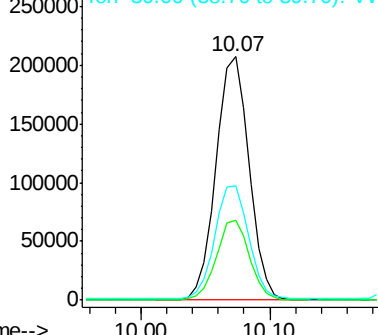
39 46.6 37.1 55.7

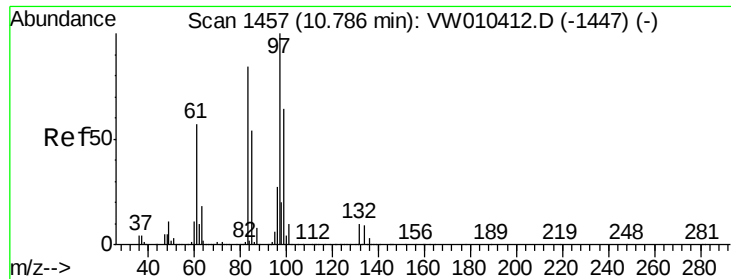


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

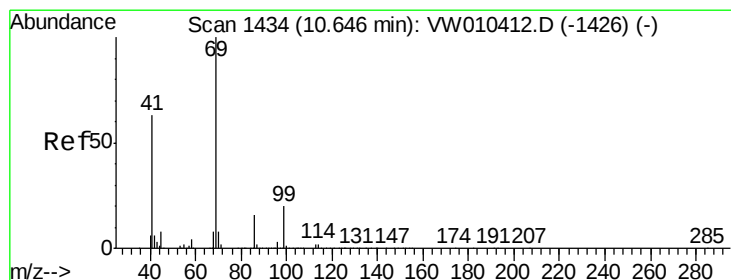
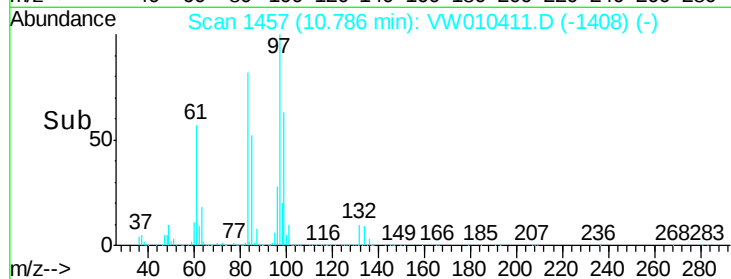
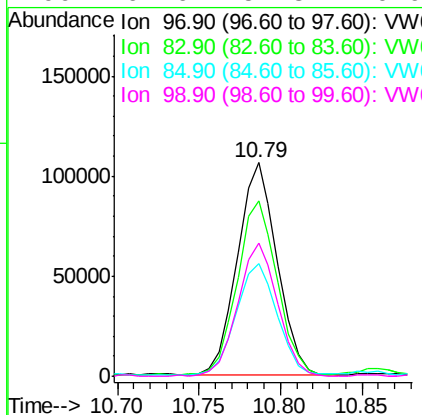
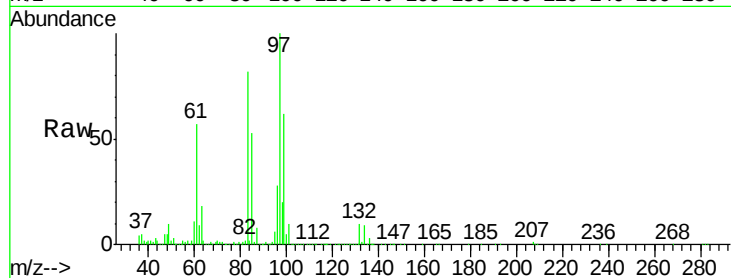




#55
 1,1,2-Trichloroethane
 Concen: 18.261 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

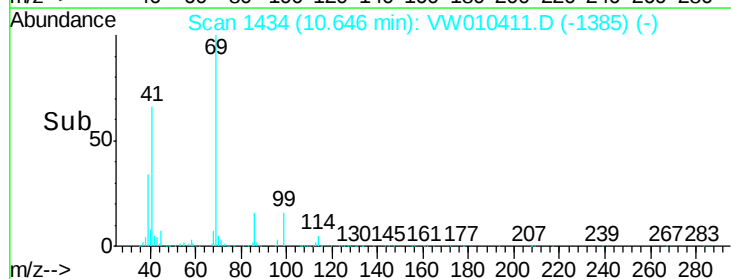
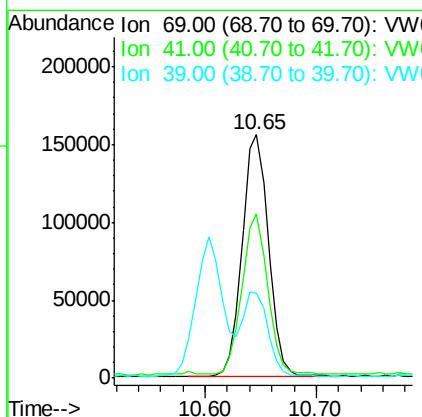
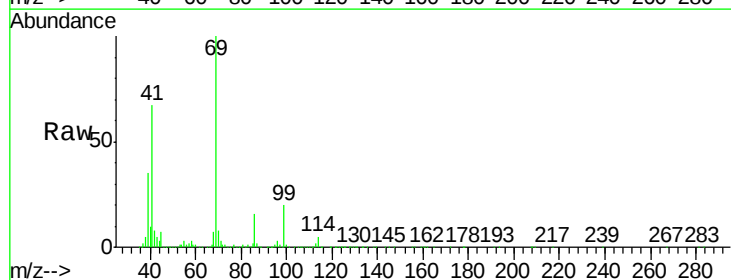
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

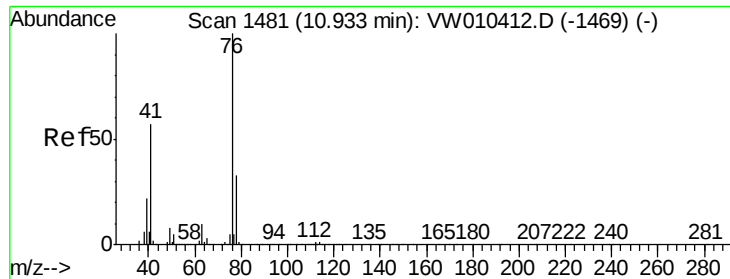
Tot Ion:	97	Resp:	178582
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.2	100.8
85	52.1	43.1	64.7
99	62.6	51.3	76.9



#56
 Ethyl methacrylate
 Concen: 19.799 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

Tgt Ion:	69	Resp:	256615
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.7	77.5
39	32.4	26.2	39.2





#57

1,3-Dichloropropane

Concen: 17.665 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

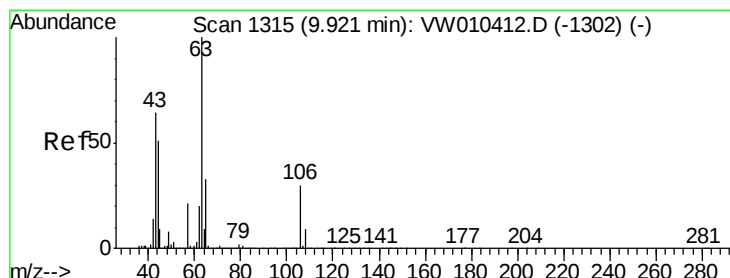
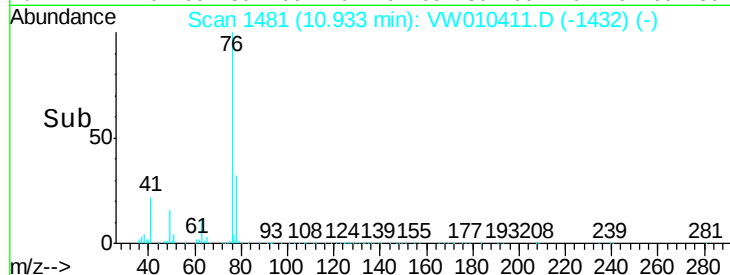
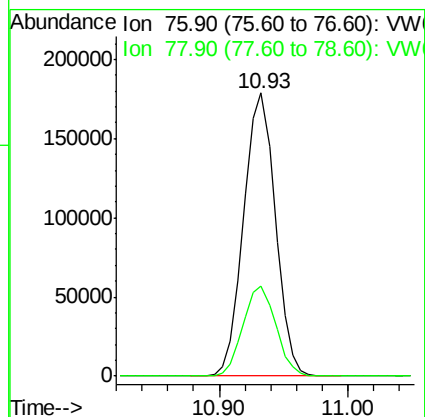
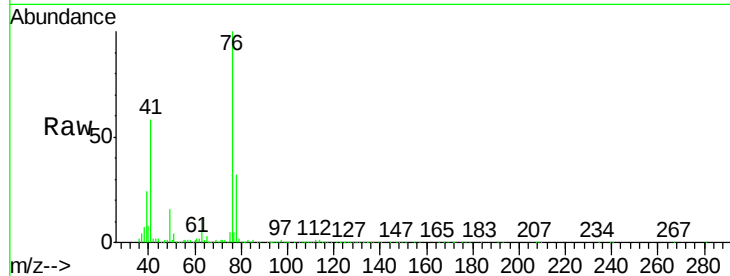
VSTDIC020

Tot Ion: 76 Resp: 304423

Ion Ratio Lower Upper

76 100

78 32.9 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 88.633 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010411.D

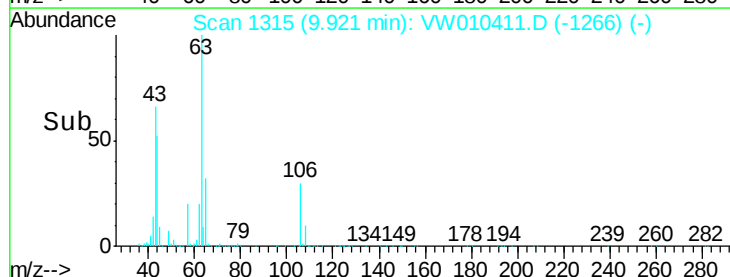
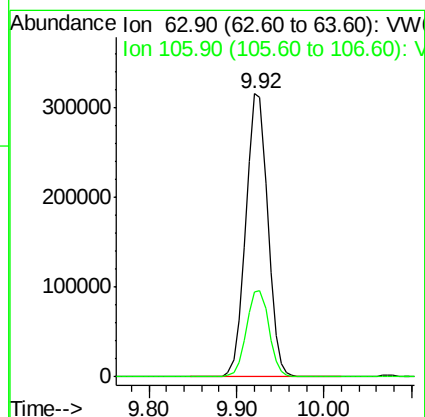
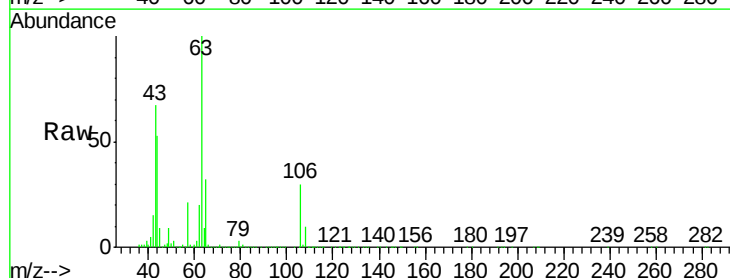
Acq: 16 May 2019 19:36

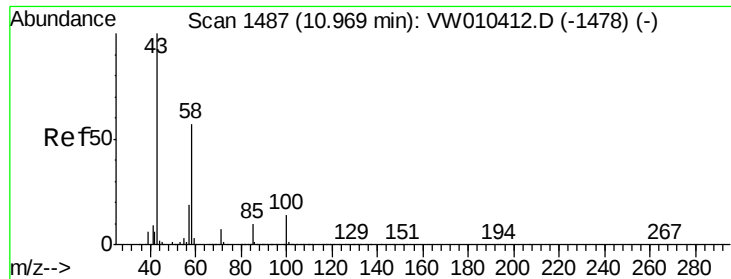
Tgt Ion: 63 Resp: 550738

Ion Ratio Lower Upper

63 100

106 31.4 24.5 36.7





#59

2-Hexanone

Concen: 80.756 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

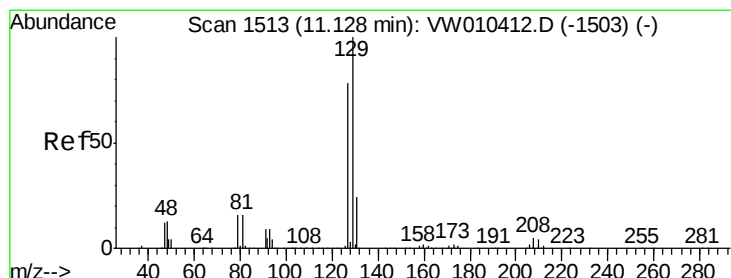
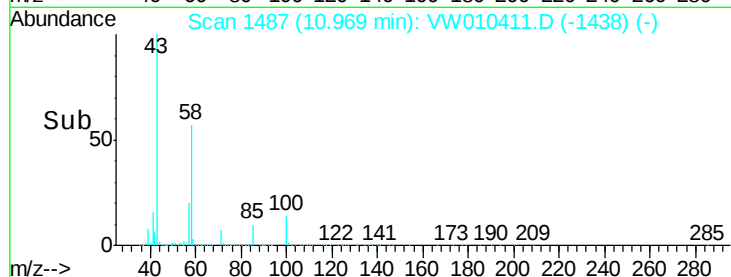
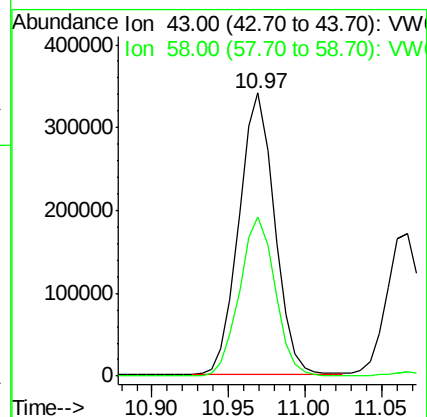
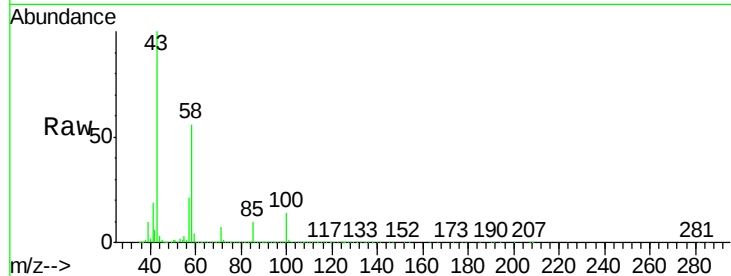
VSTDIC020

Tot Ion: 43 Resp: 548796

Ion Ratio Lower Upper

43 100

58 56.3 28.0 83.9



#60

Dibromochloromethane

Concen: 21.169 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010411.D

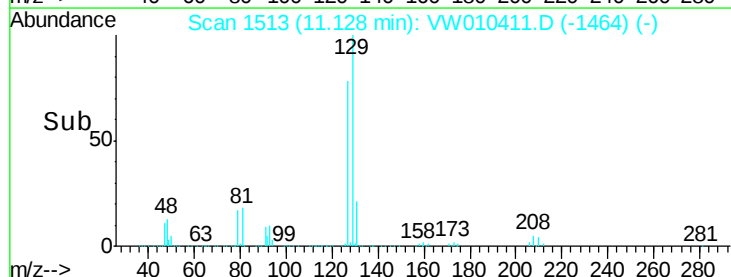
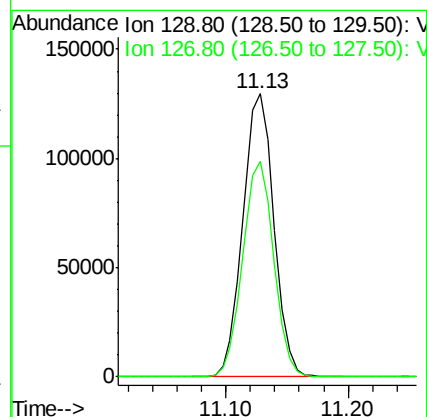
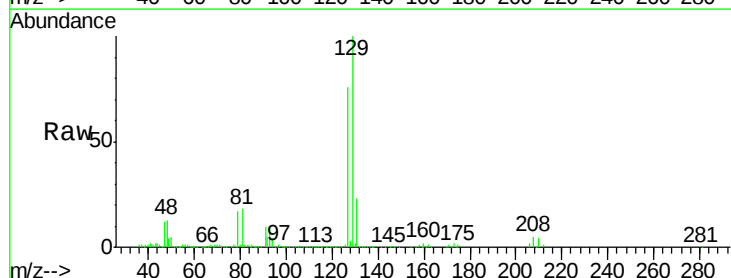
Acq: 16 May 2019 19:36

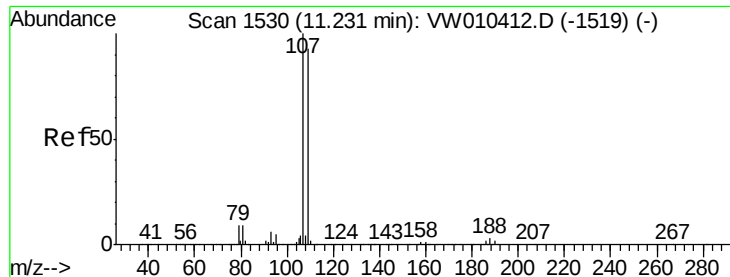
Tgt Ion: 129 Resp: 228030

Ion Ratio Lower Upper

129 100

127 76.4 39.3 117.9





#61

1,2-Dibromoethane

Concen: 19.612 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

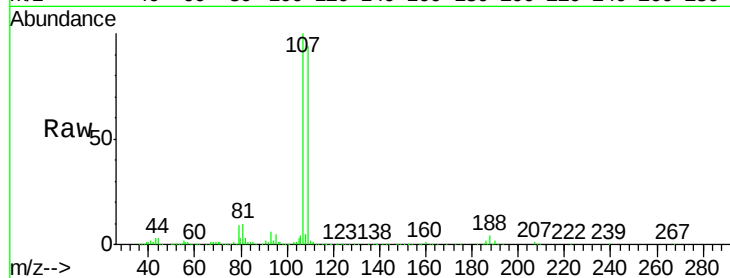
VSTDIC020

Tot Ion: 107 Resp: 185155

Ion Ratio Lower Upper

107 100

109 92.6 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

120000

100000

80000

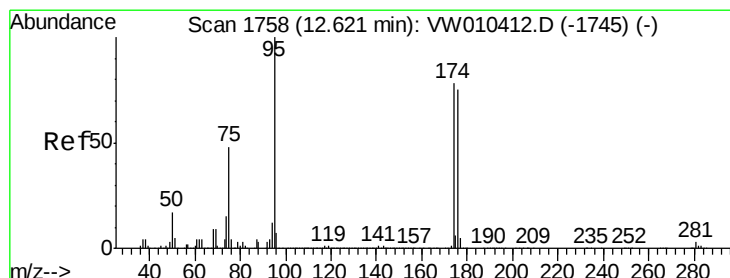
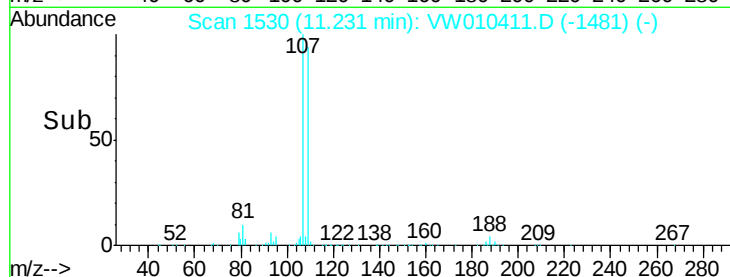
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.090 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

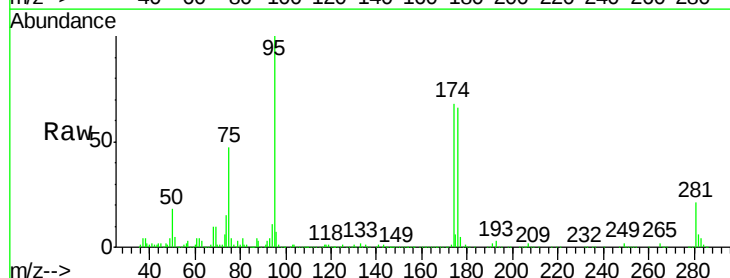
Tgt Ion: 95 Resp: 308001

Ion Ratio Lower Upper

95 100

174 73.1 0.0 150.2

176 72.2 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

250000

200000

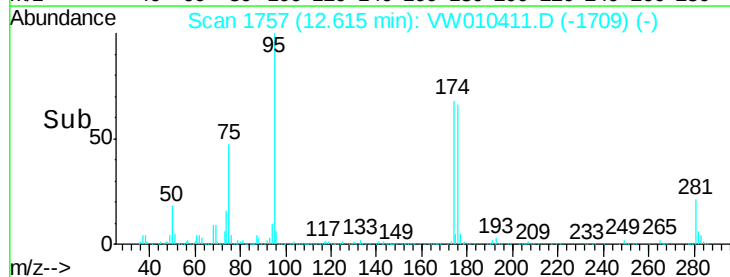
150000

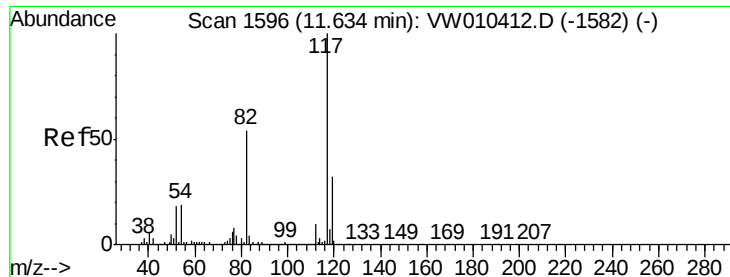
100000

50000

0

Time-->

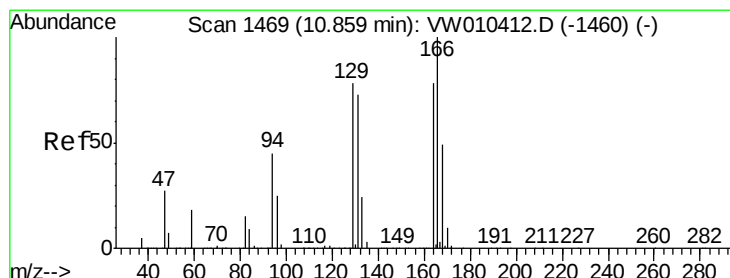
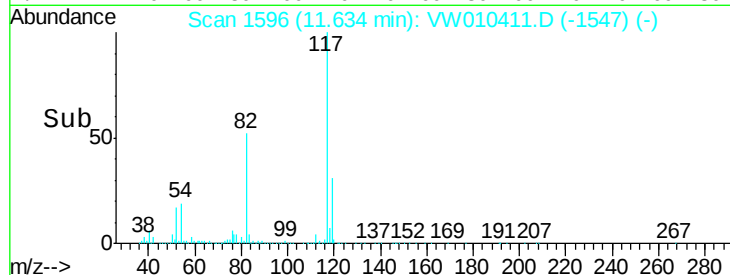
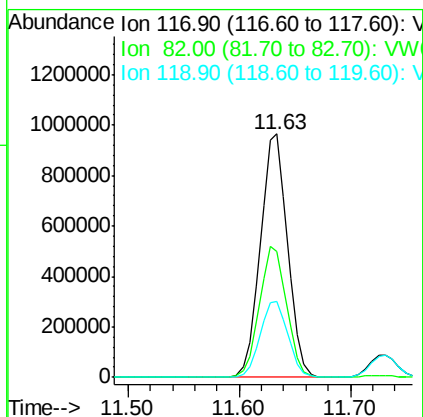
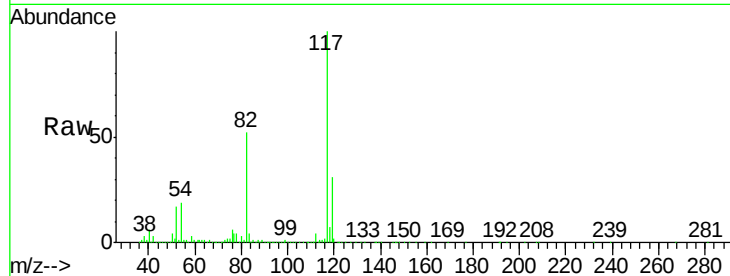




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

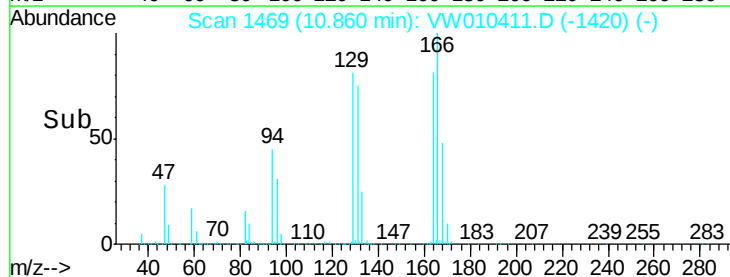
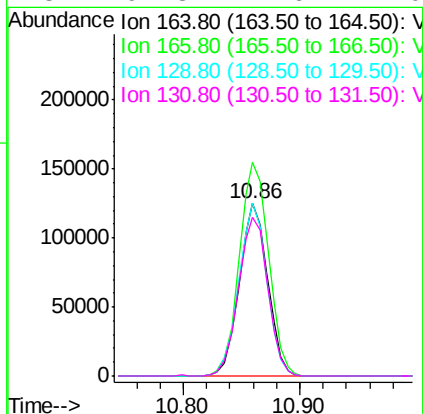
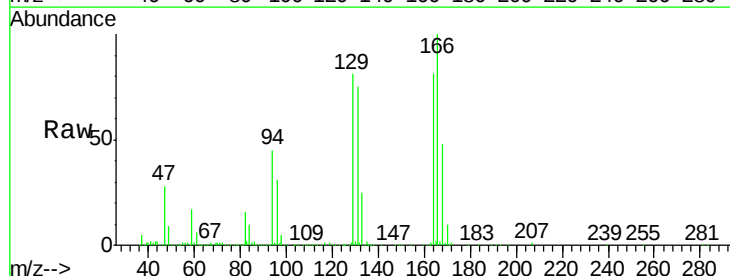
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

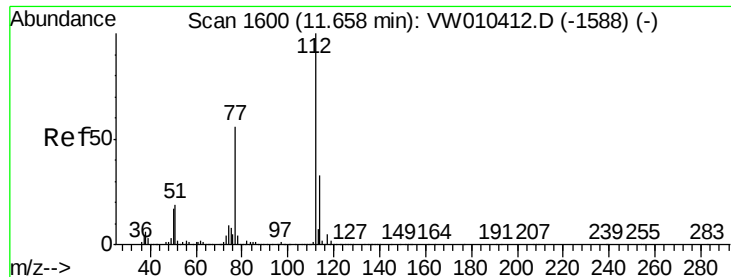
Tot Ion:117 Resp: 1644245
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.6
119 31.2 25.7 38.5



#64
Tetrachloroethene
Concen: 18.587 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion:164 Resp: 211989
Ion Ratio Lower Upper
164 100
166 123.8 102.3 153.5
129 99.7 79.6 119.4
131 92.3 74.6 112.0

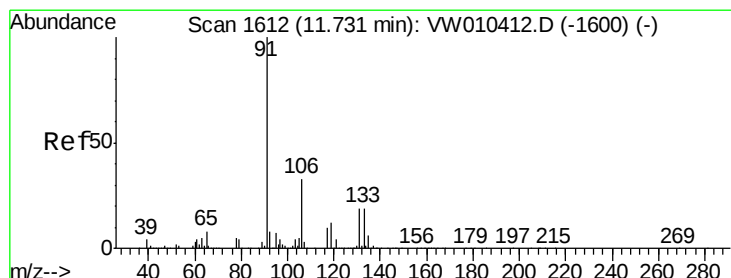
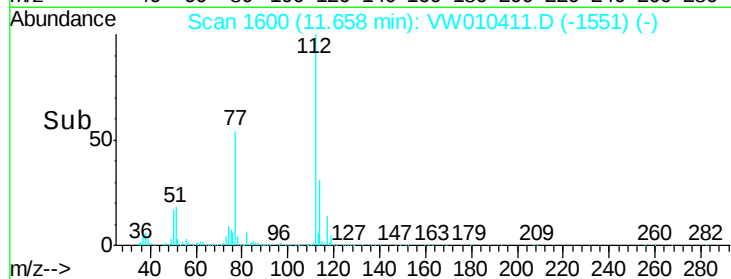
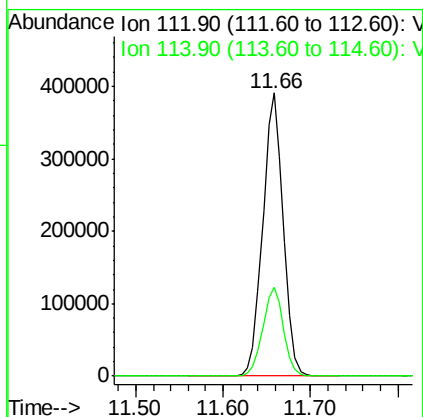
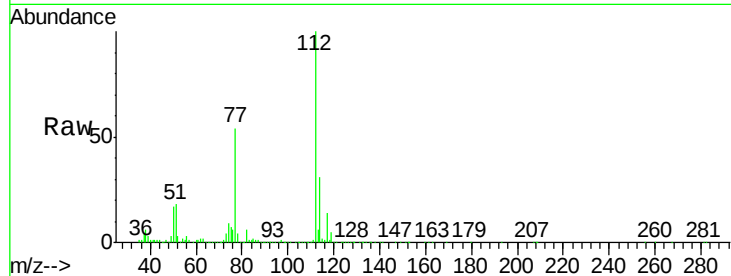




#65
Chlorobenzene
Concen: 18.828 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

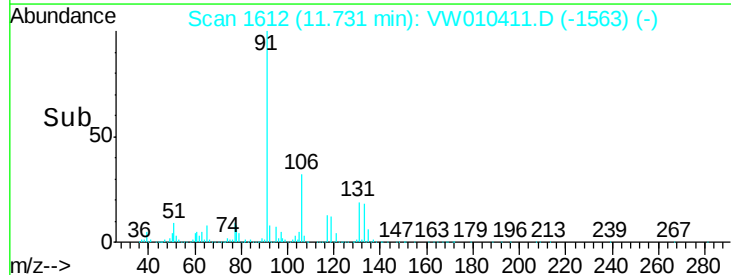
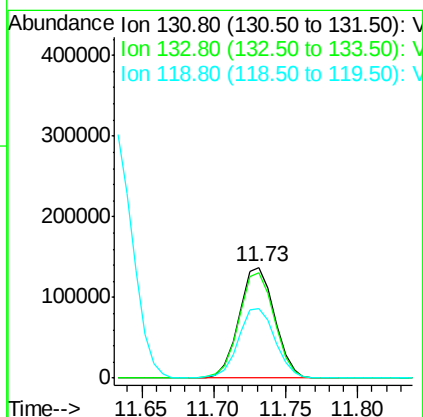
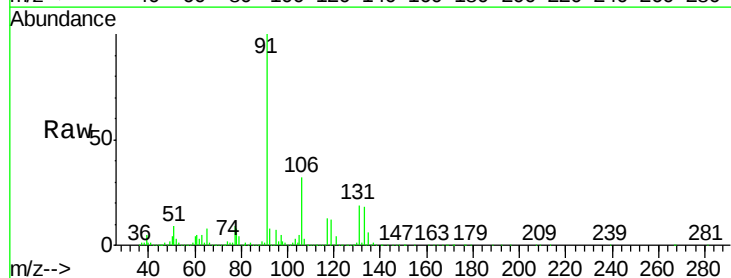
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

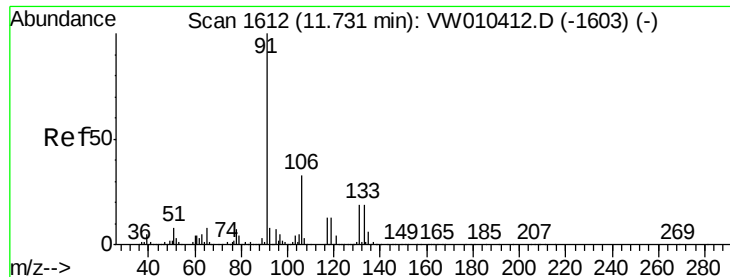
Tot Ion:112 Resp: 639668
Ion Ratio Lower Upper
112 100
114 31.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.155 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion:131 Resp: 234415
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 63.7 32.4 97.0

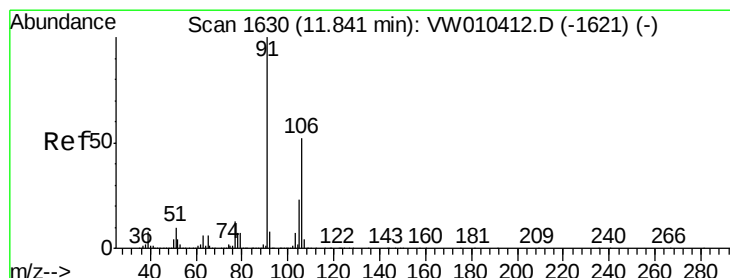
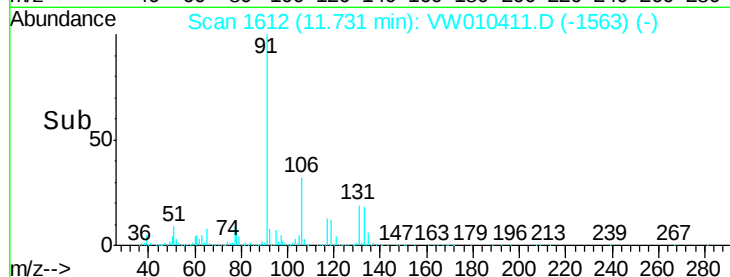
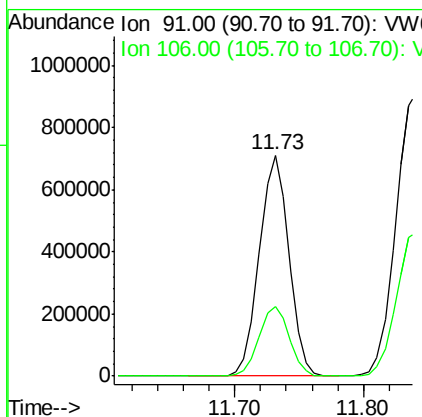
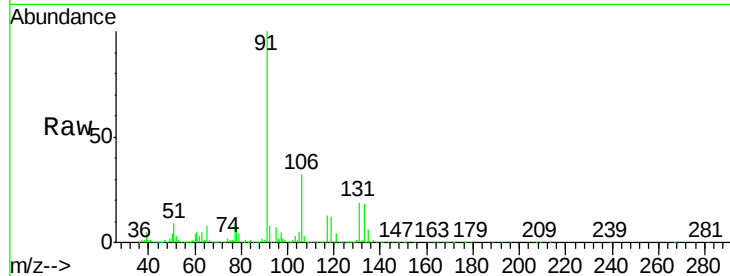




#67
Ethyl Benzene
Concen: 18.296 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

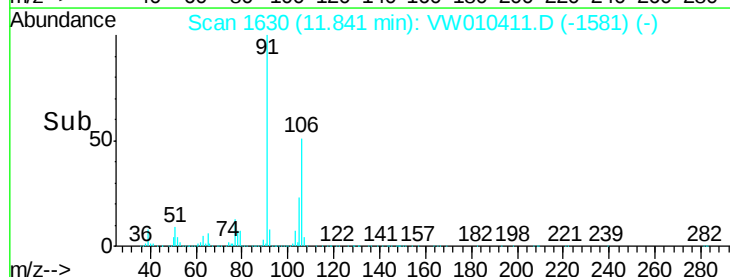
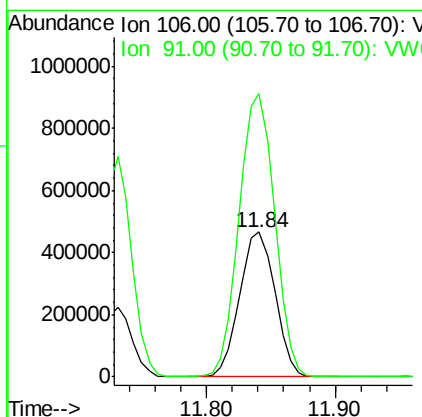
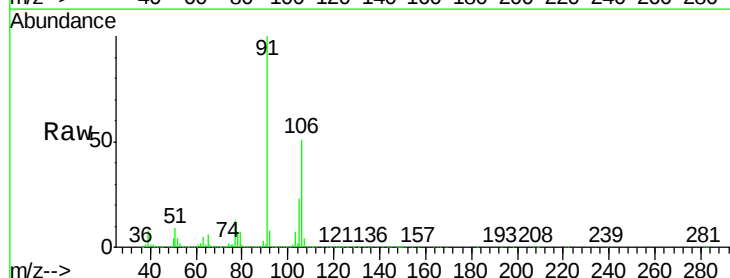
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

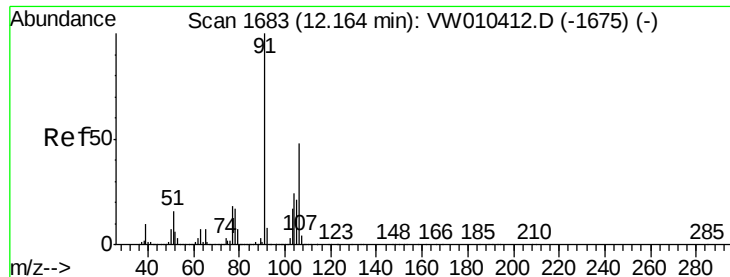
Tot Ion: 91 Resp: 1127157
Ion Ratio Lower Upper
91 100
106 31.6 26.0 39.0



#68
m/p-Xylenes
Concen: 38.399 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion: 106 Resp: 886746
Ion Ratio Lower Upper
106 100
91 196.5 156.2 234.2

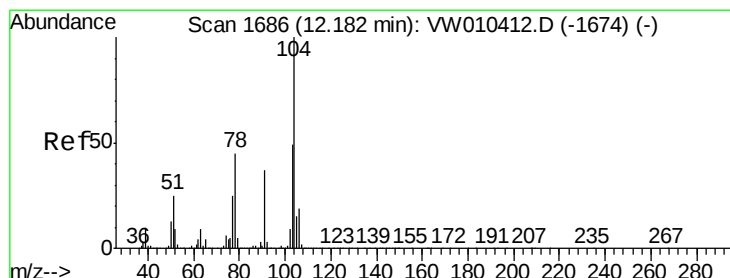
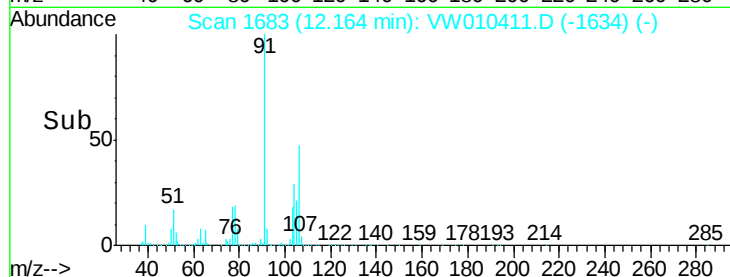
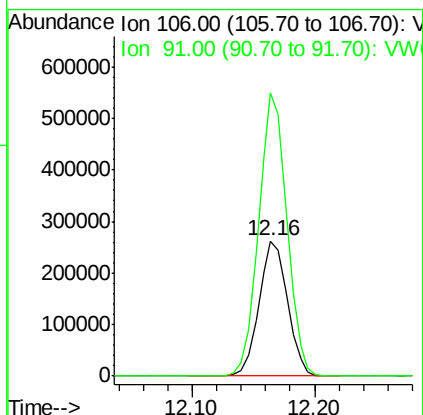
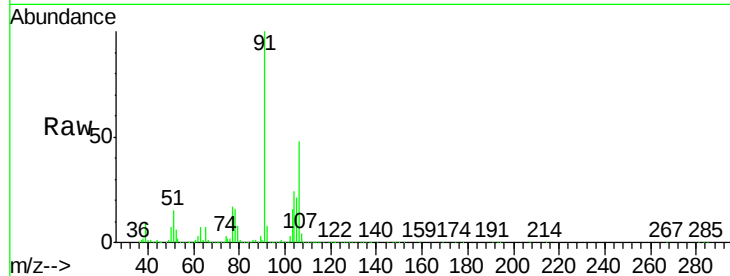




#69
o-Xylene
Concen: 20.212 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

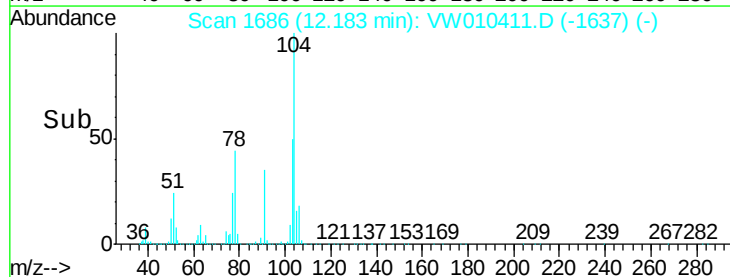
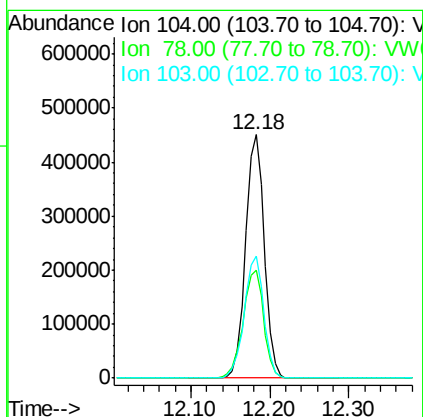
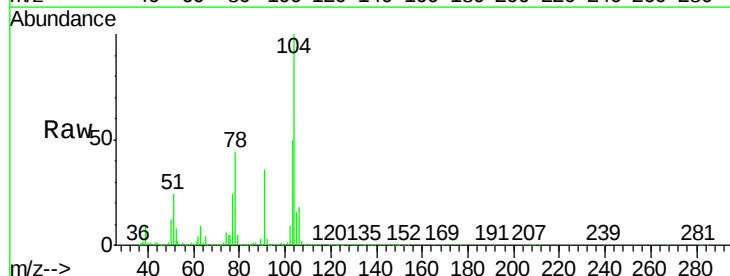
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

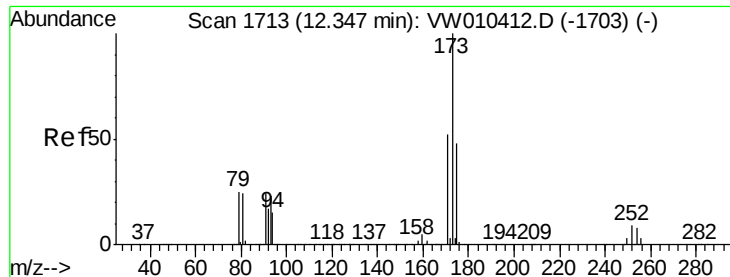
Tot Ion:106 Resp: 426325
Ion Ratio Lower Upper
106 100
91 206.7 102.8 308.3



#70
Styrene
Concen: 20.190 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion:104 Resp: 740915
Ion Ratio Lower Upper
104 100
78 48.7 39.4 59.2
103 52.7 42.6 64.0





#71

Bromoform

Concen: 20.038 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

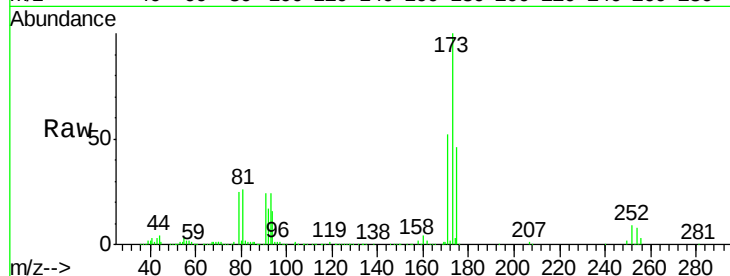
Tot Ion:173 Resp: 134825

Ion Ratio Lower Upper

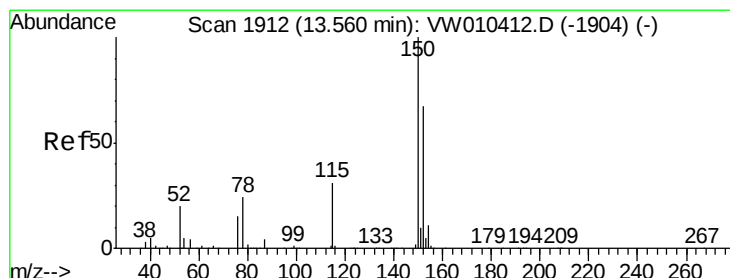
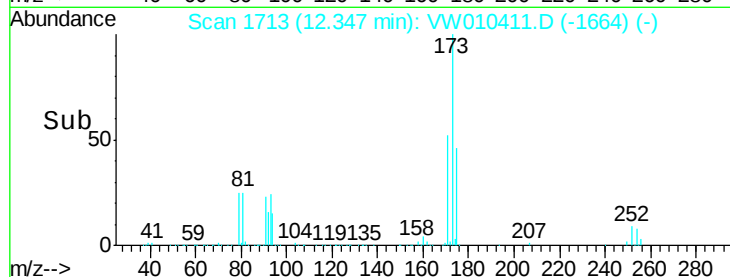
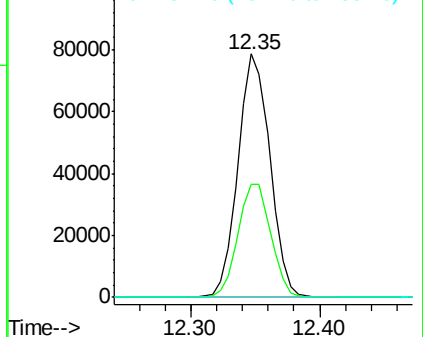
173 100

175 47.9 24.1 72.2

254 0.1 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: VW010411.D

Acq: 16 May 2019 19:36

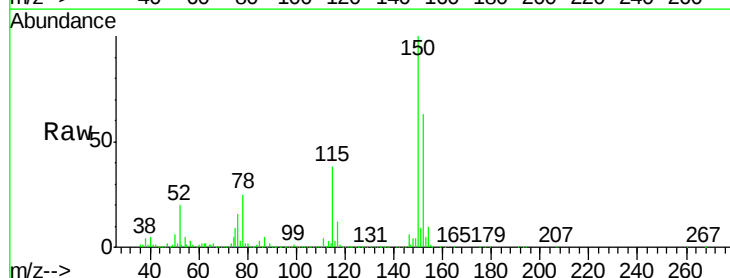
Tgt Ion:152 Resp: 813565

Ion Ratio Lower Upper

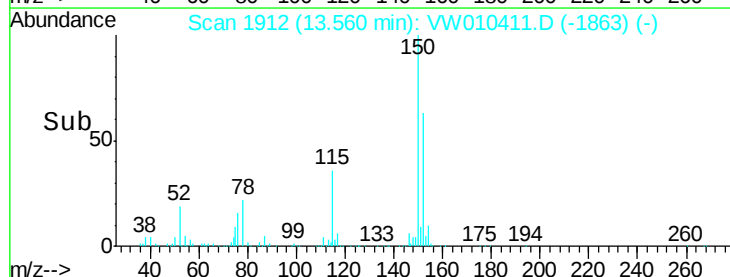
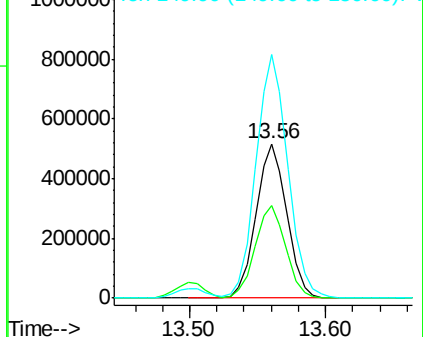
152 100

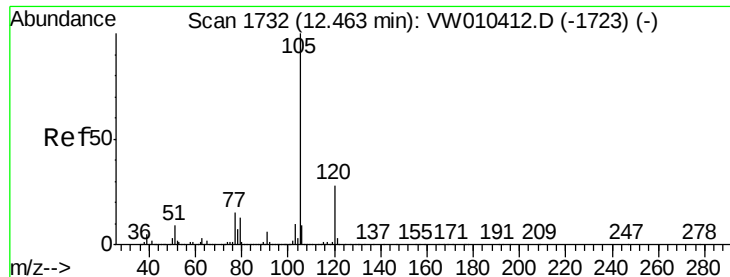
115 60.1 30.2 90.6

150 163.7 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: 19.325 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

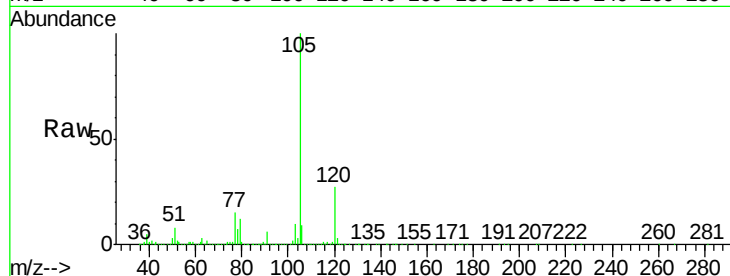
VSTDIC020

Tot Ion:105 Resp: 1139610

Ion Ratio Lower Upper

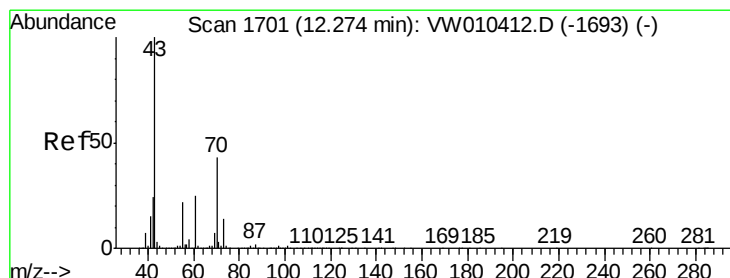
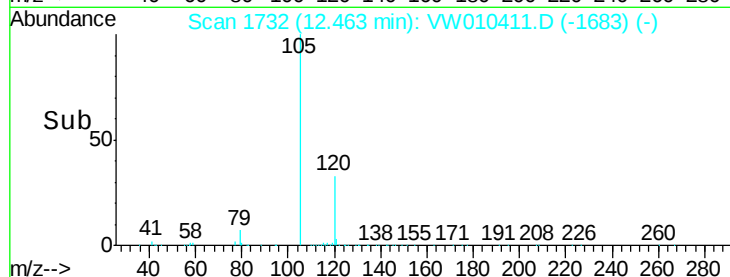
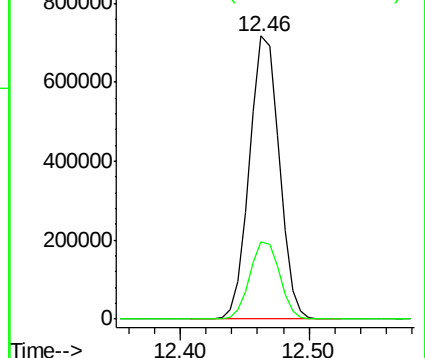
105 100

120 27.5 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: 19.539 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Tgt Ion: 43 Resp: 304359

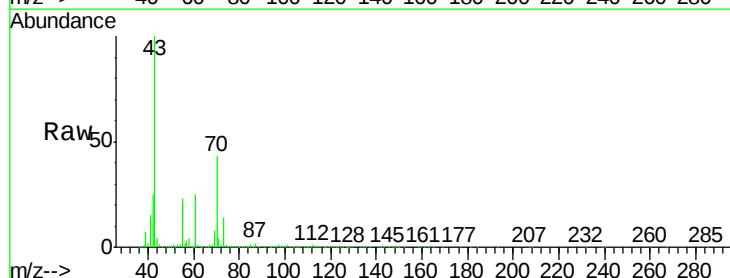
Ion Ratio Lower Upper

43 100

70 44.6 34.6 51.8

55 23.0 17.8 26.8

61 25.0 20.1 30.1

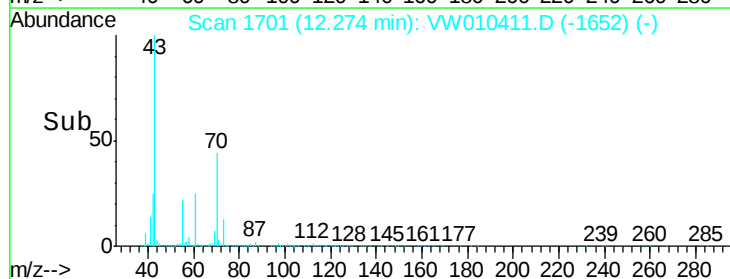
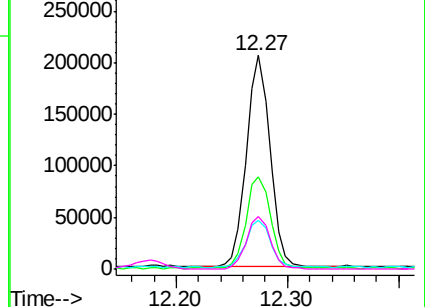


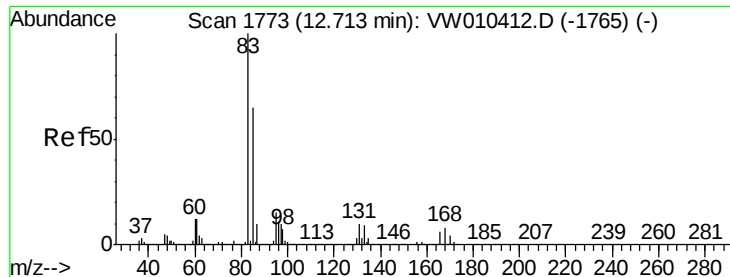
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 16.703 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

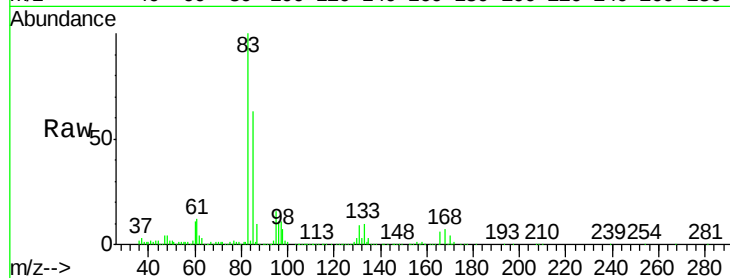
Tot Ion: 83 Resp: 216223

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

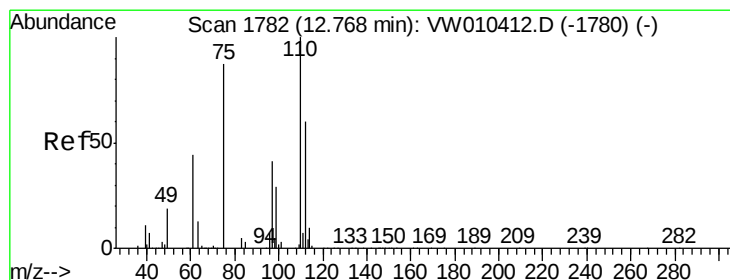
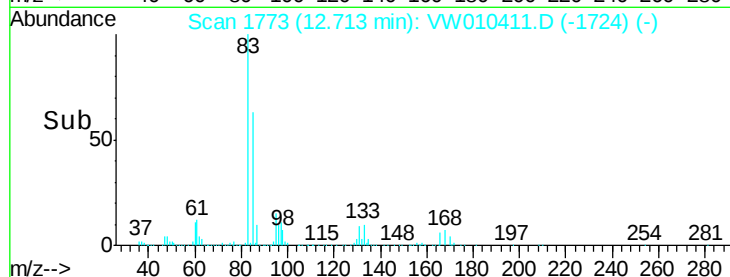
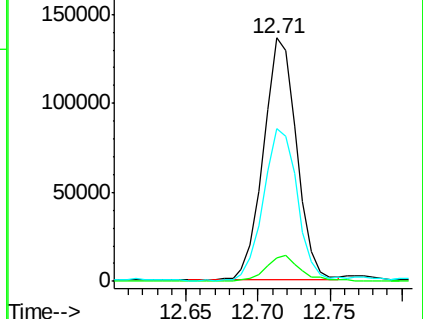
85 64.5 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 19.157 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010411.D

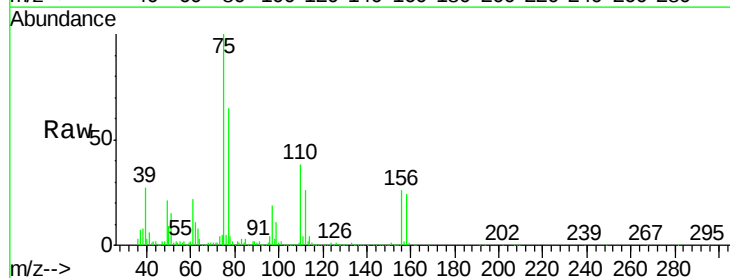
Acq: 16 May 2019 19:36

Tgt Ion: 75 Resp: 178342

Ion Ratio Lower Upper

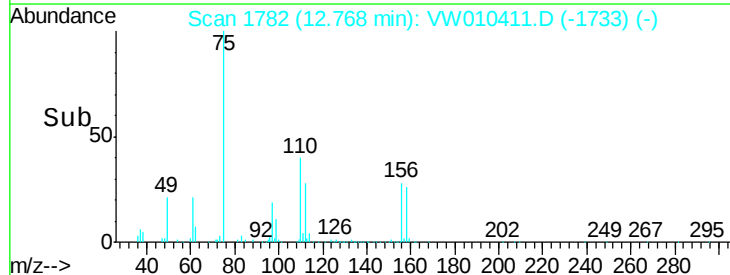
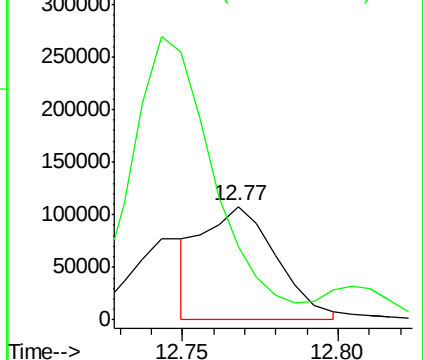
75 100

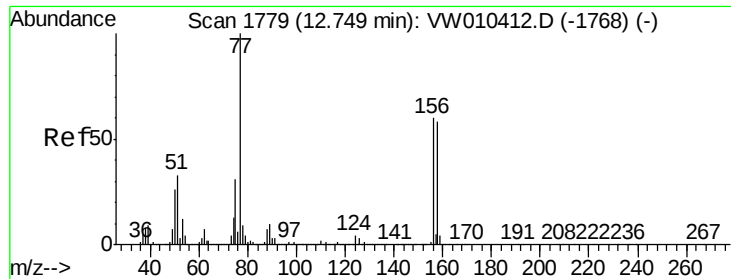
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.349 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

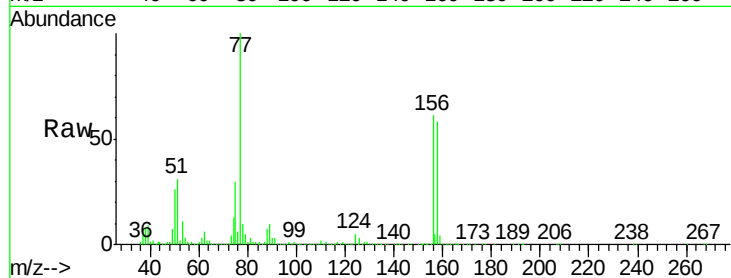
Tot Ion:156 Resp: 261526

Ion Ratio Lower Upper

156 100

77 189.7 95.4 286.2

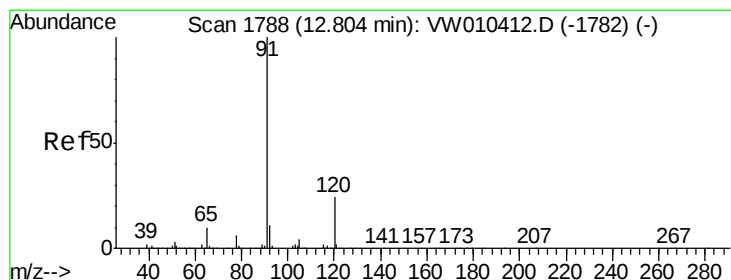
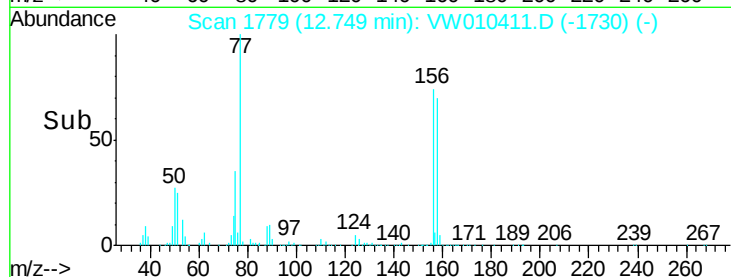
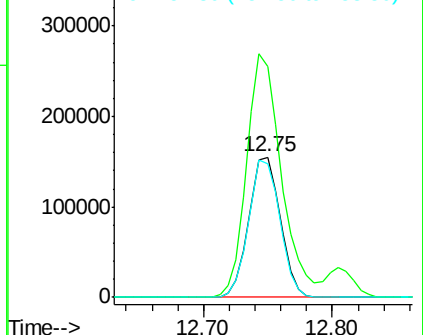
158 97.2 49.0 147.0



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: 18.387 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010411.D

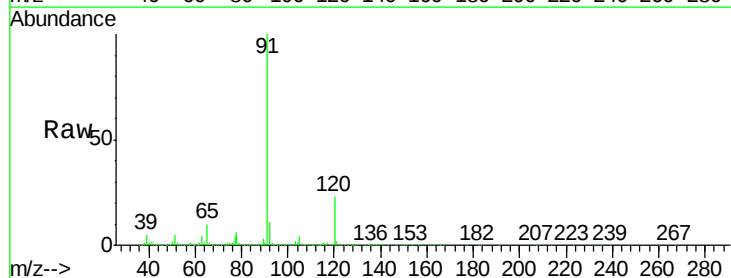
Acq: 16 May 2019 19:36

Tgt Ion: 91 Resp: 1326675

Ion Ratio Lower Upper

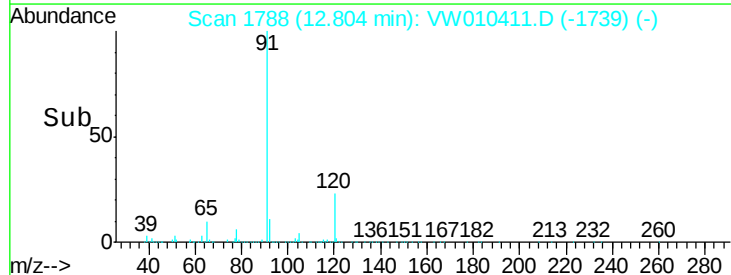
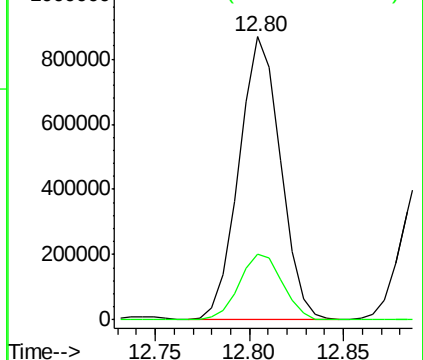
91 100

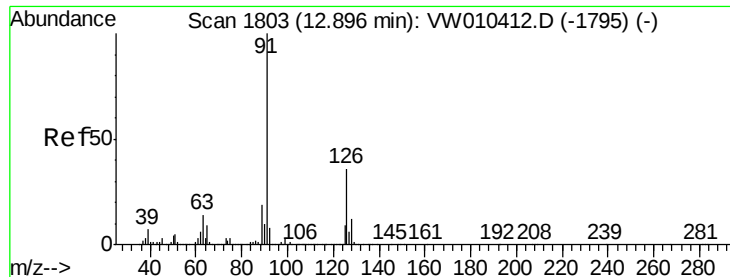
120 24.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.509 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

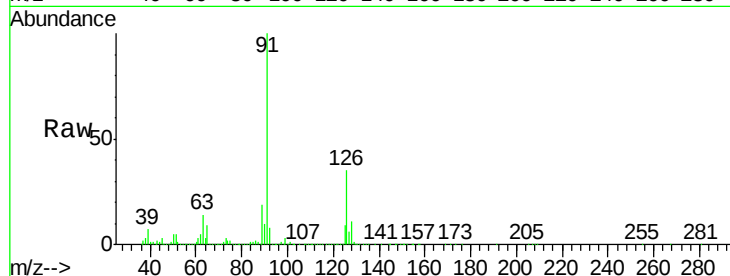
VSTDIC020

Tot Ion: 91 Resp: 768644

Ion Ratio Lower Upper

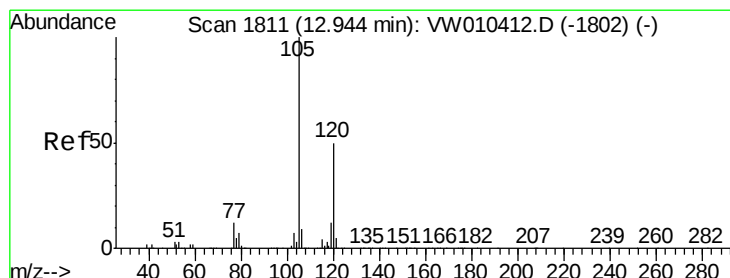
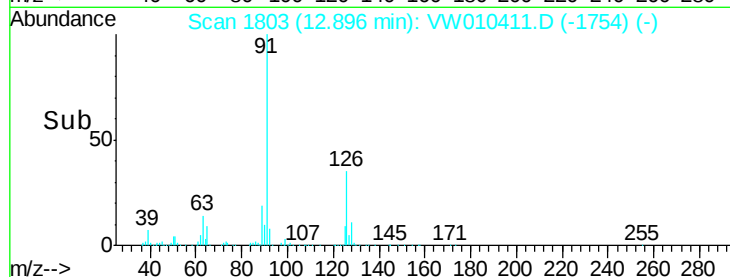
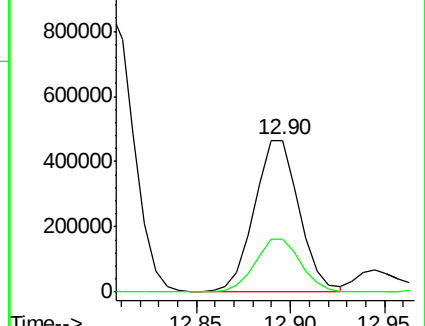
91 100

126 35.2 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.817 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010411.D

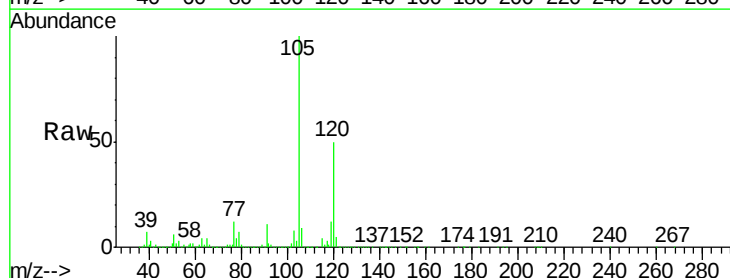
Acq: 16 May 2019 19:36

Tgt Ion: 105 Resp: 988097

Ion Ratio Lower Upper

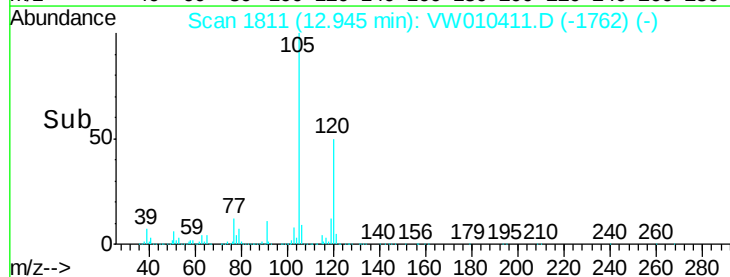
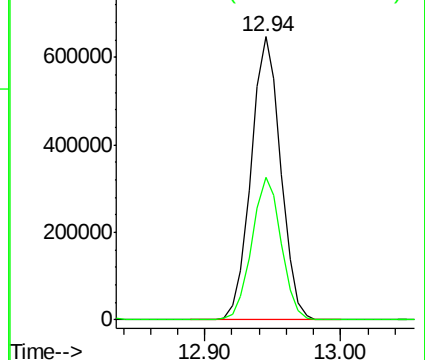
105 100

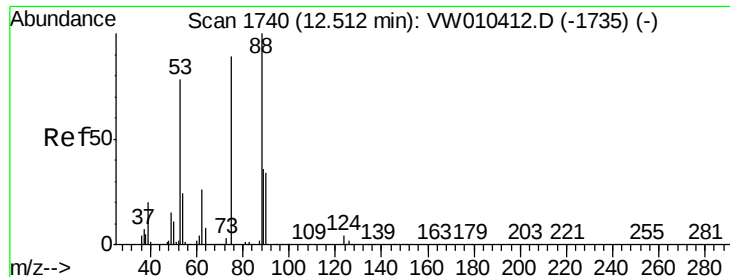
120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.373 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

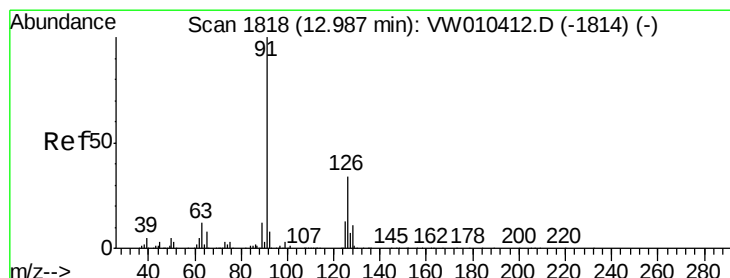
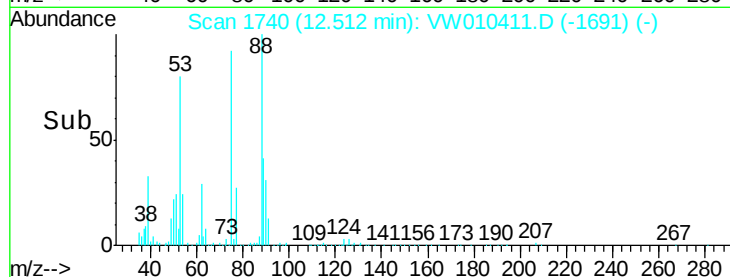
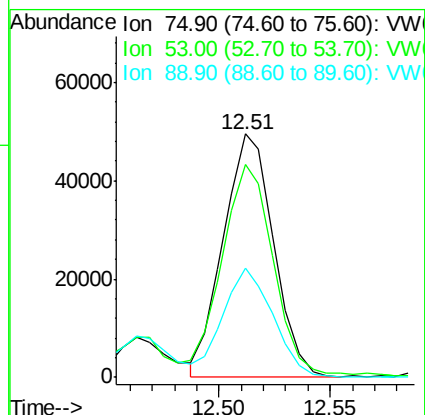
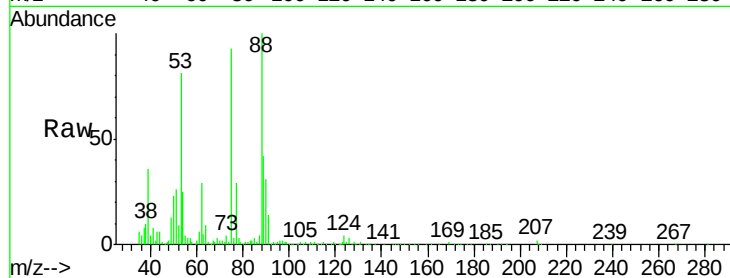
Tot Ion: 75 Resp: 77416

Ion Ratio Lower Upper

75 100

53 89.1 71.0 106.6

89 45.2 37.4 56.2



#82

4-Chlorotoluene

Concen: 18.550 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010411.D

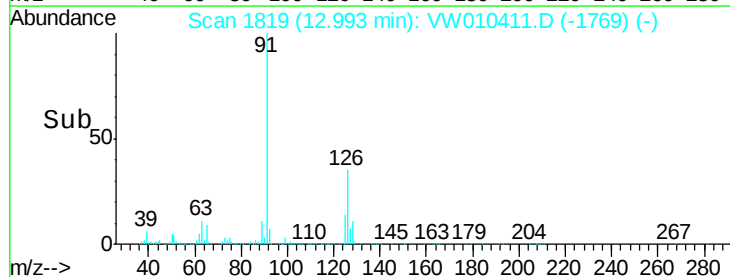
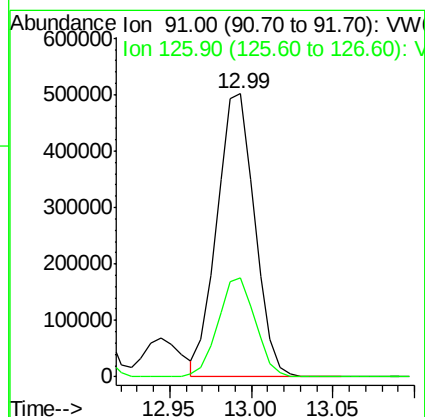
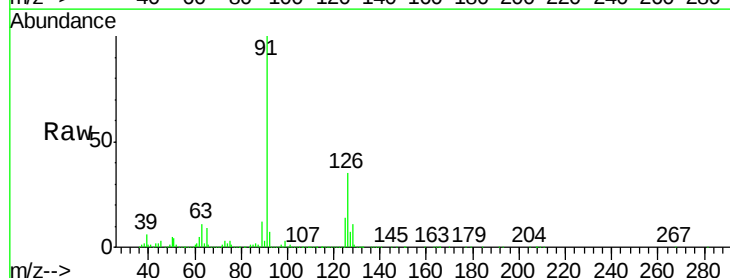
Acq: 16 May 2019 19:36

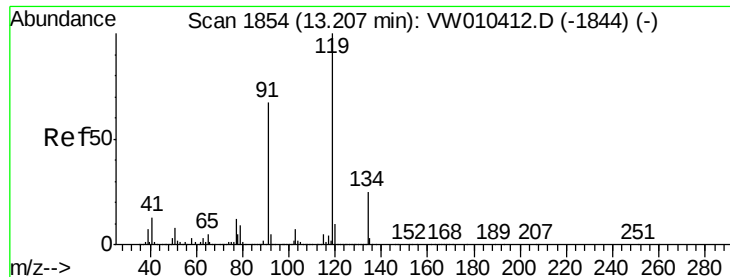
Tgt Ion: 91 Resp: 806336

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.6

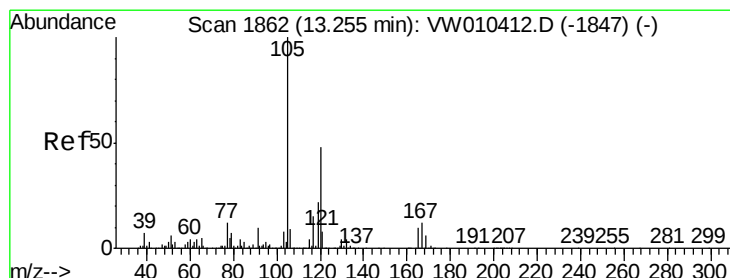
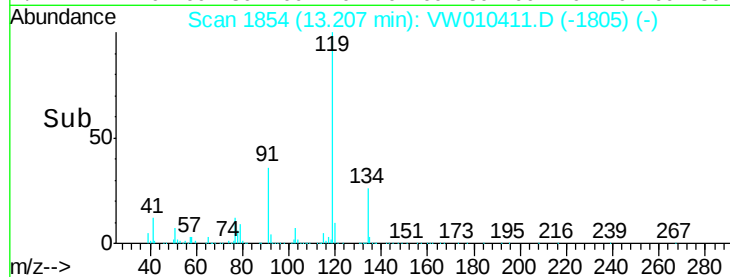
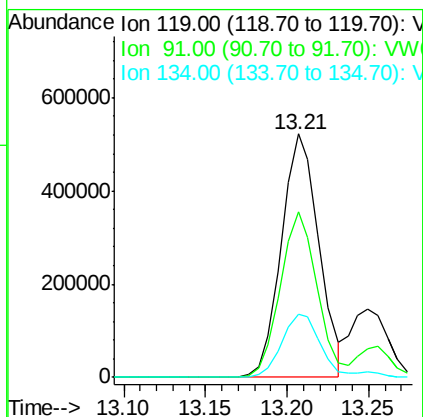
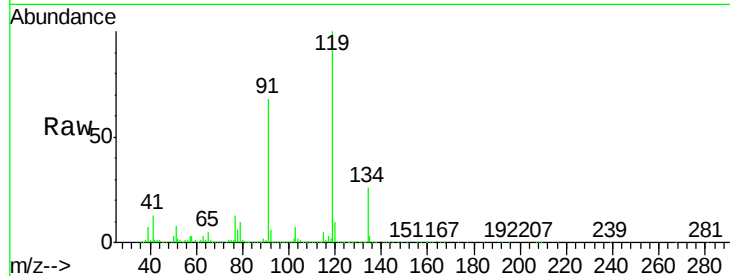




#83
tert-Butylbenzene
Concen: 19.980 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

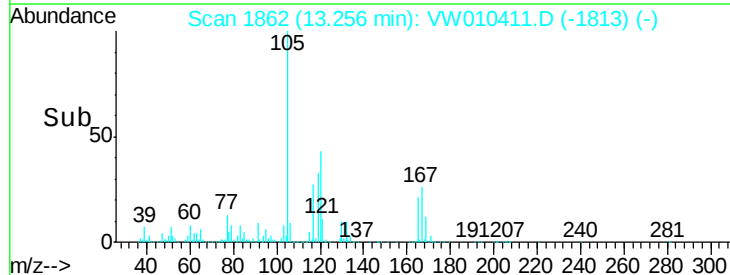
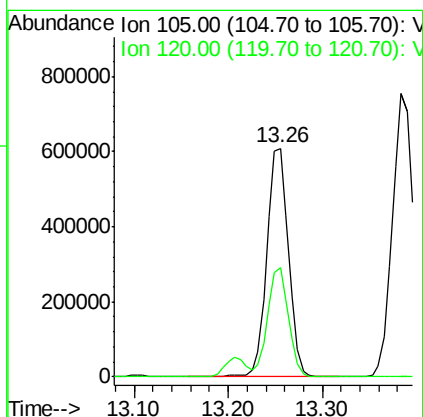
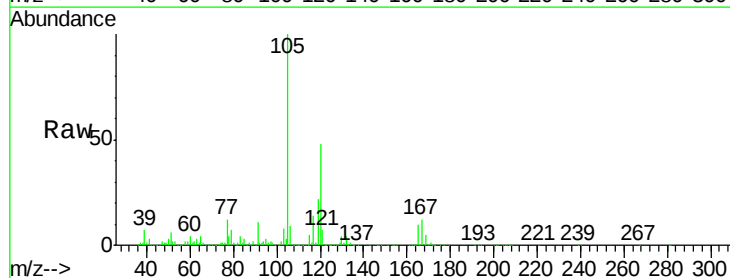
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

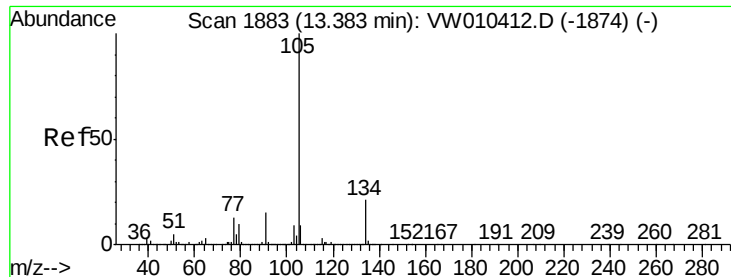
Tot Ion:119 Resp: 834025
Ion Ratio Lower Upper
119 100
91 67.2 33.8 101.4
134 27.9 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 19.808 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010411.D
Acq: 16 May 2019 19:36

Tgt Ion:105 Resp: 983408
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.0





#85

sec-Butylbenzene

Concen: 19.237 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

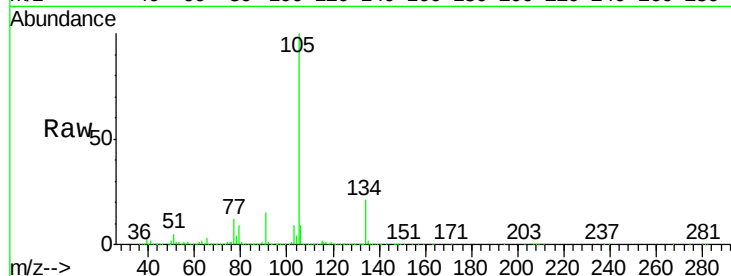
VSTDIC020

Tot Ion:105 Resp: 1174921

Ion Ratio Lower Upper

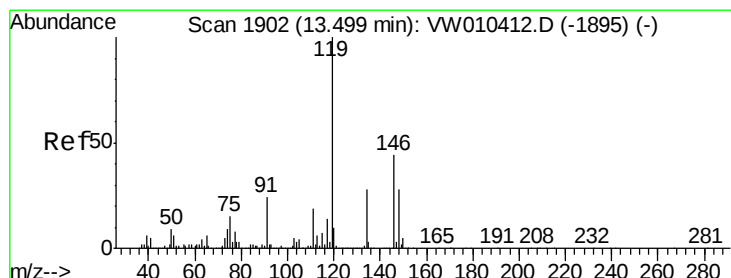
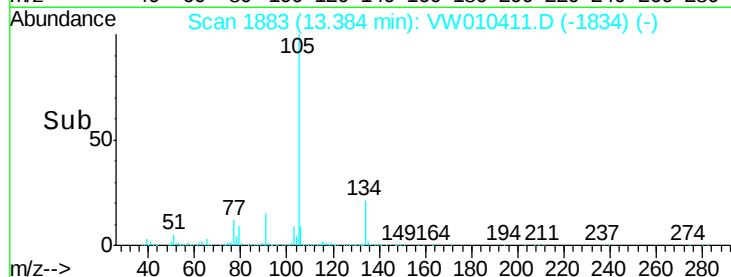
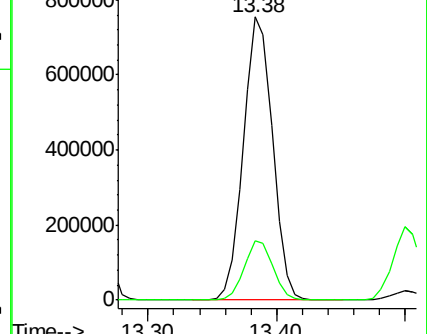
105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.908 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

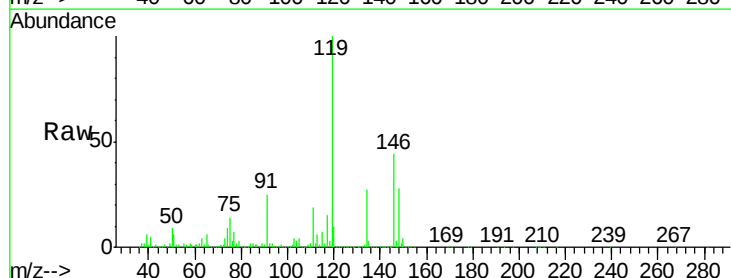
Tgt Ion:119 Resp: 1081817

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

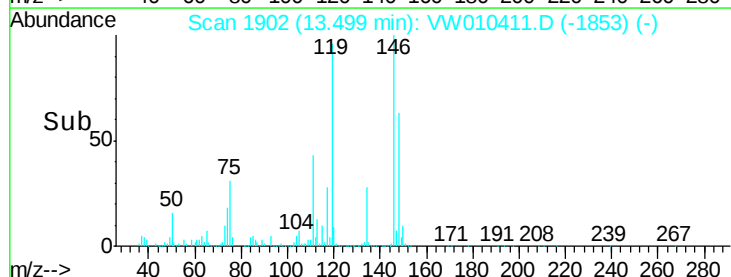
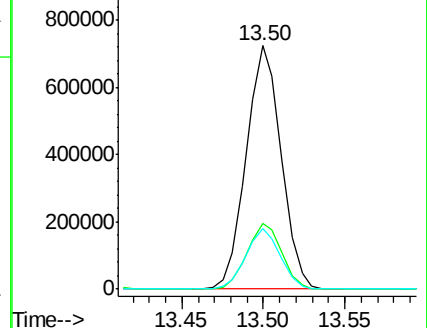
91 24.1 12.2 36.4

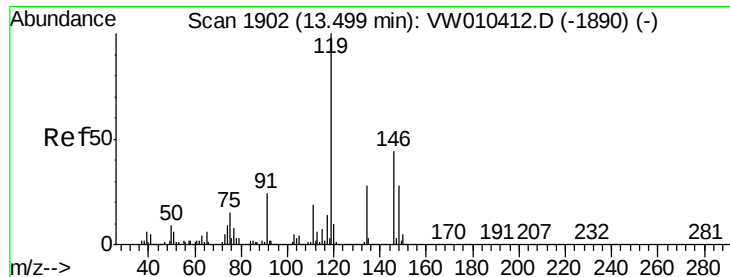


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.231 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

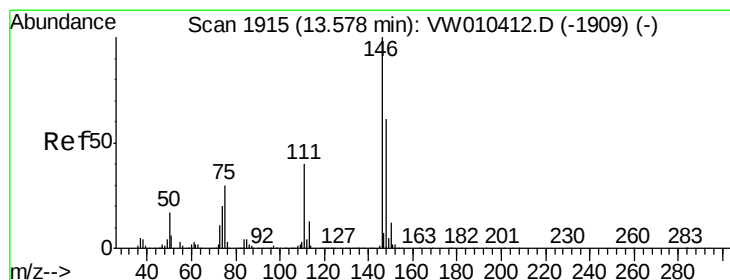
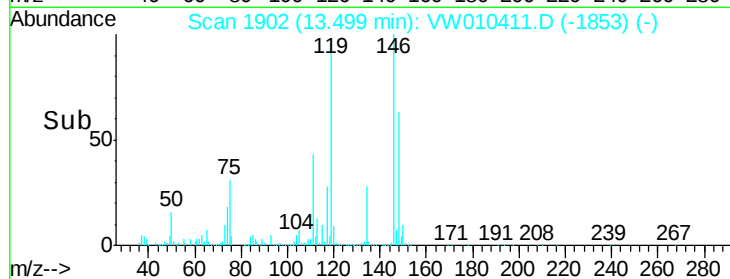
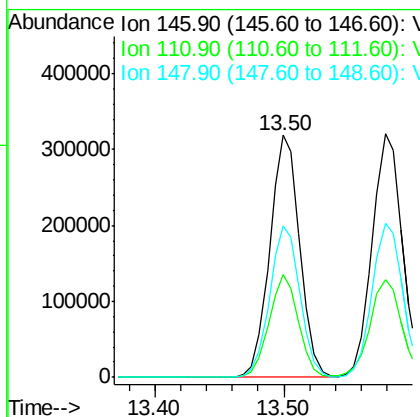
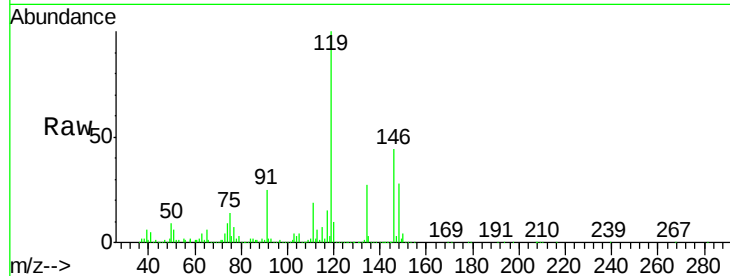
Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:146 Resp: 514385

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	63.2	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 19.239 ug/l

RT: 13.58 min Scan# 1915

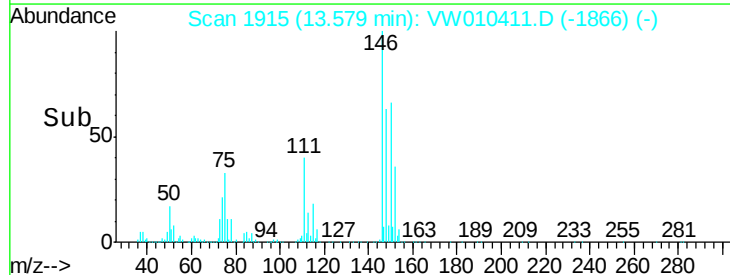
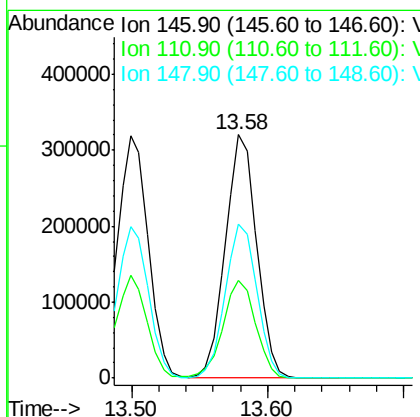
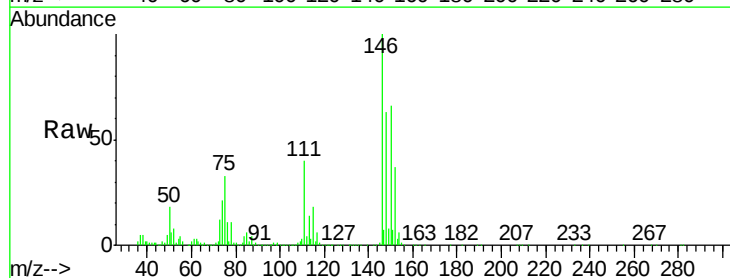
Delta R.T. 0.00 min

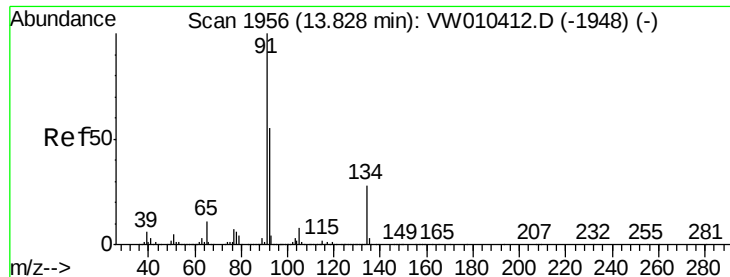
Lab File: VW010411.D

Acq: 16 May 2019 19:36

Tgt Ion:146 Resp: 513099

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.2	31.6	94.7





#89

n-Butylbenzene

Concen: 18.721 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

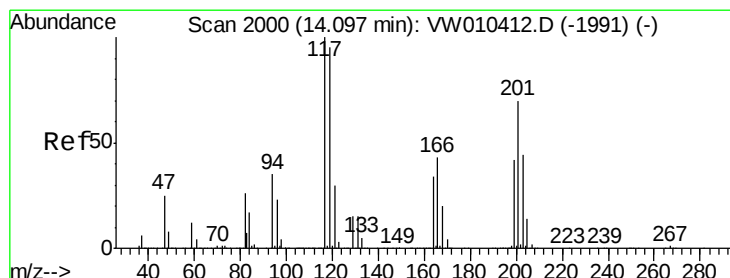
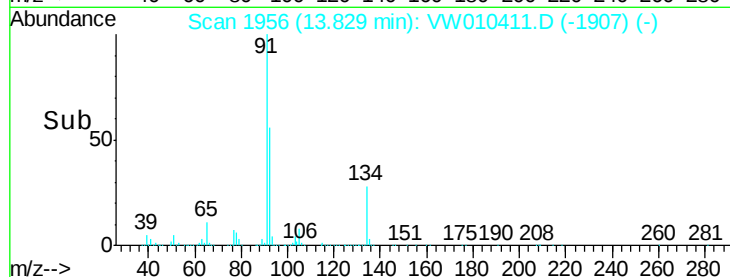
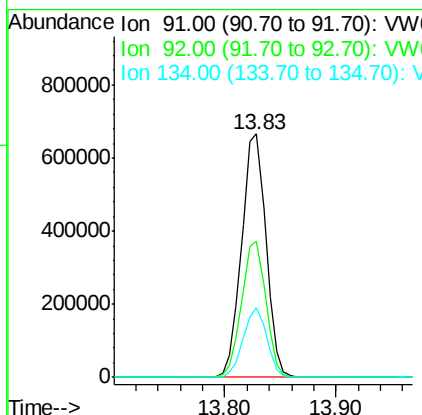
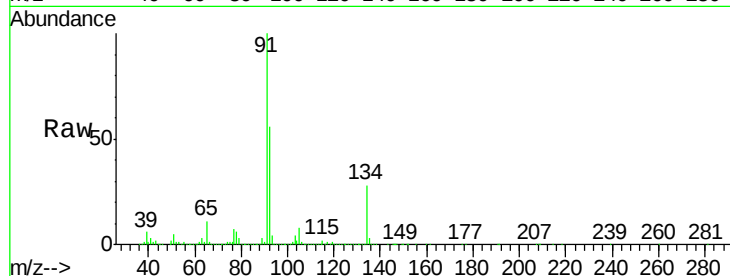
Tot Ion: 91 Resp: 1012632

Ion Ratio Lower Upper

91 100

92 55.6 27.9 83.6

134 27.6 13.8 41.4



#90

Hexachloroethane

Concen: 20.524 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010411.D

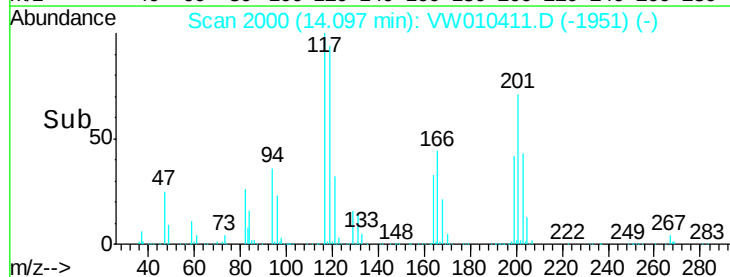
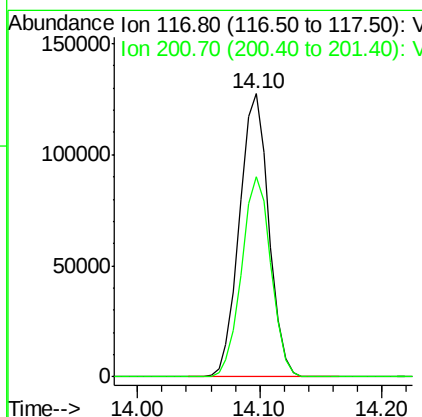
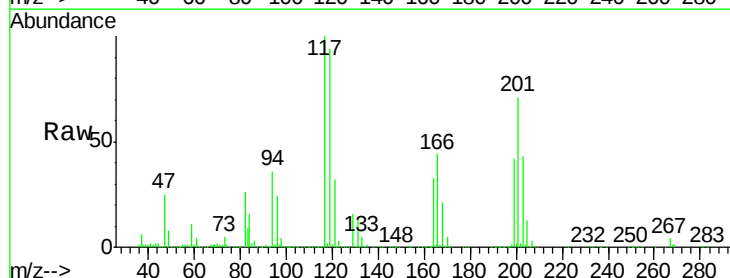
Acq: 16 May 2019 19:36

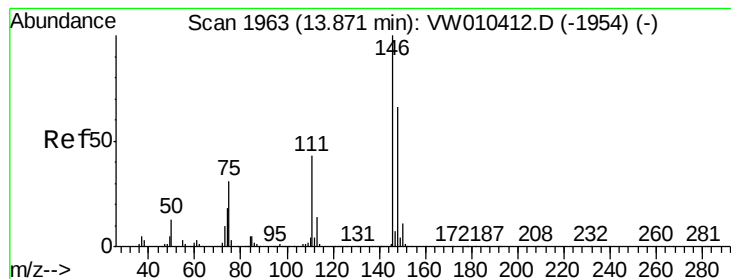
Tgt Ion: 117 Resp: 211635

Ion Ratio Lower Upper

117 100

201 71.1 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 19.716 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

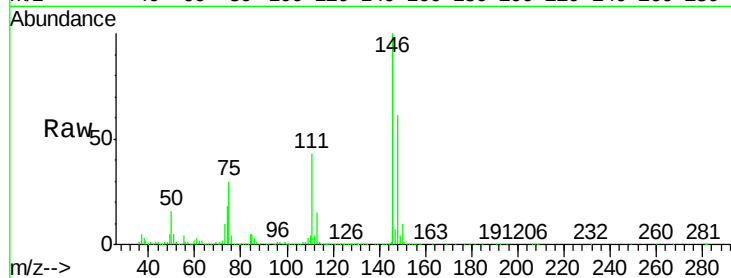
Tot Ion:146 Resp: 470546

Ion Ratio Lower Upper

146 100

111 43.2 21.4 64.3

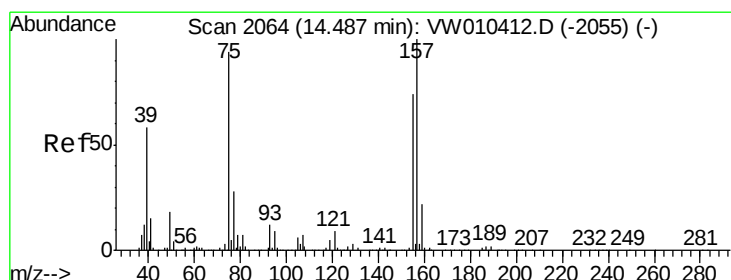
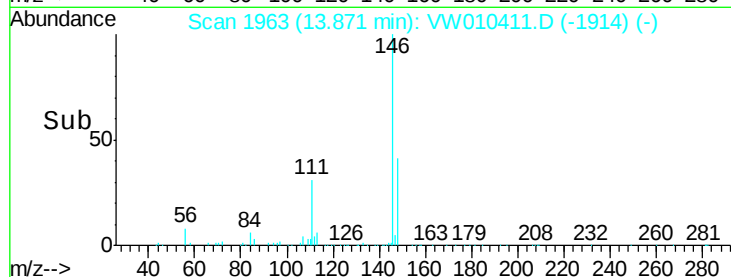
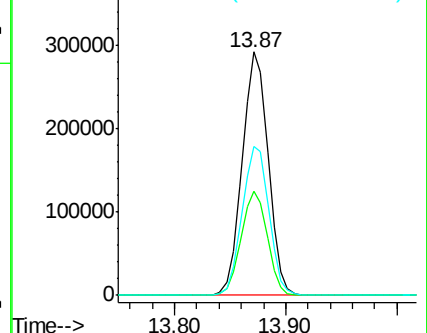
148 63.2 32.4 97.0



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: 16.862 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

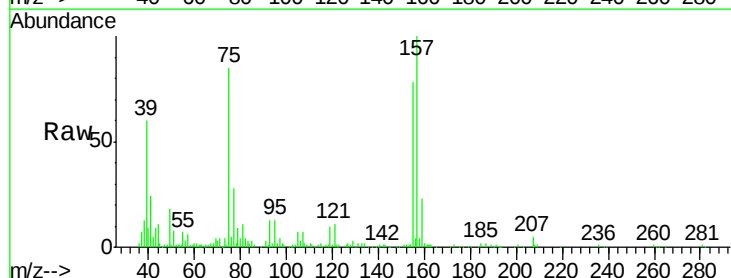
Tgt Ion: 75 Resp: 39732

Ion Ratio Lower Upper

75 100

155 90.5 43.6 130.9

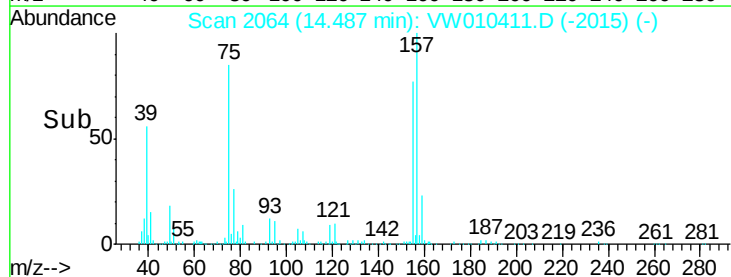
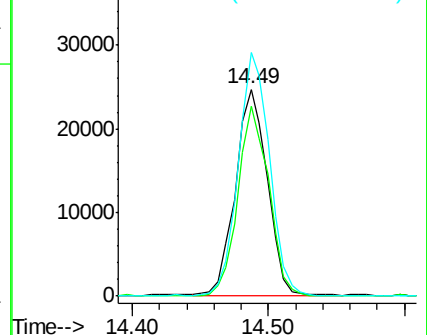
157 117.5 56.9 170.7

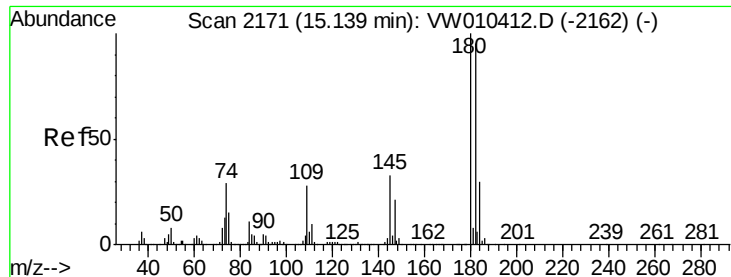


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

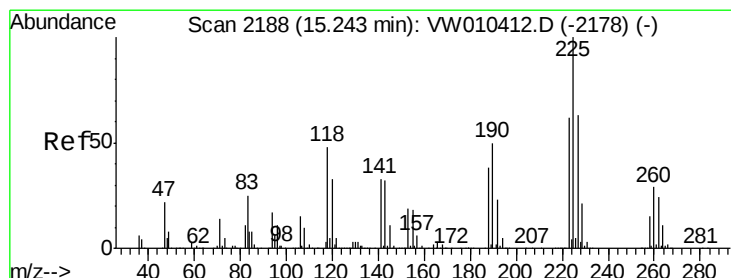
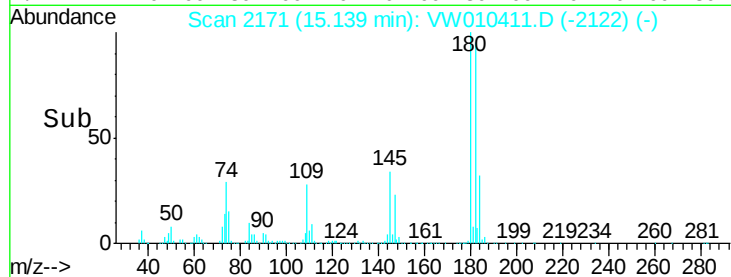
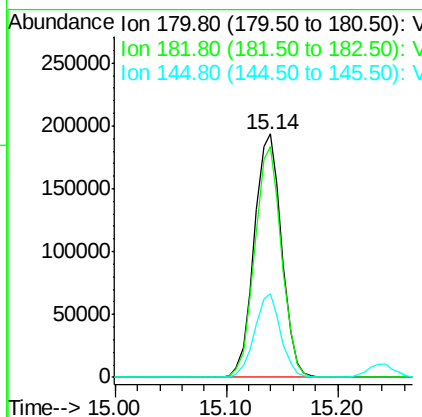
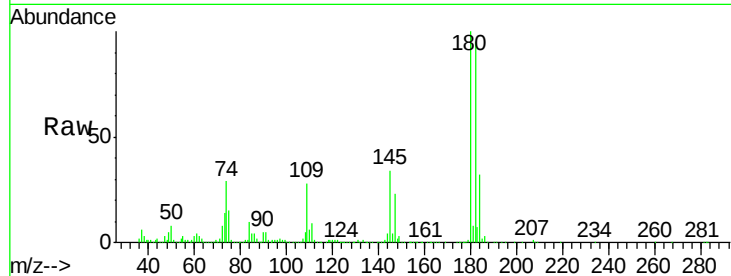




#93
 1,2,4-Trichlorobenzene
 Concen: 20.451 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

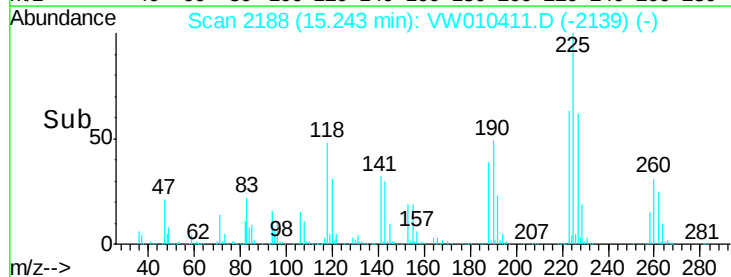
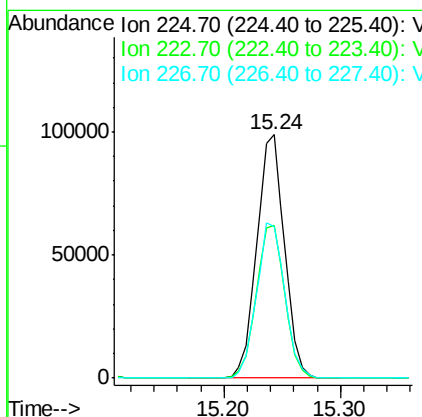
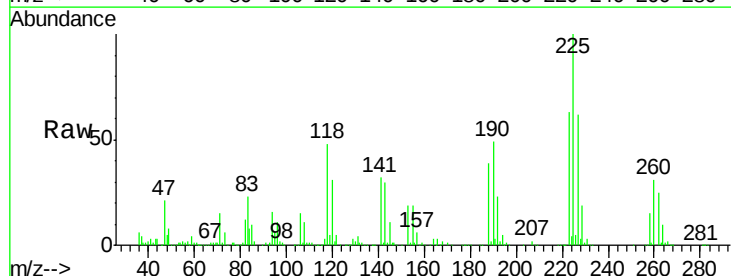
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

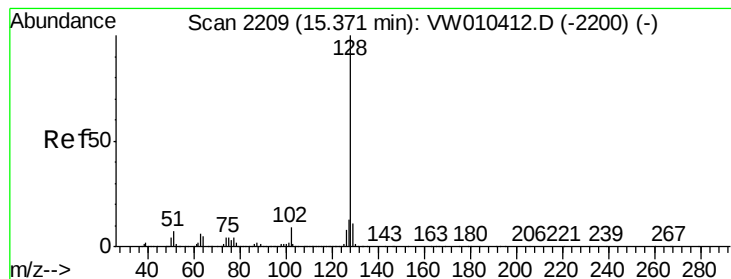
Tot Ion:180 Resp: 331667
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.2 144.6
 145 32.7 16.8 50.3



#94
 Hexachlorobutadiene
 Concen: 16.325 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010411.D
 Acq: 16 May 2019 19:36

Tgt Ion:225 Resp: 164363
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.8 95.3
 227 64.7 31.6 95.0





#95

Naphthalene

Concen: 21.428 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

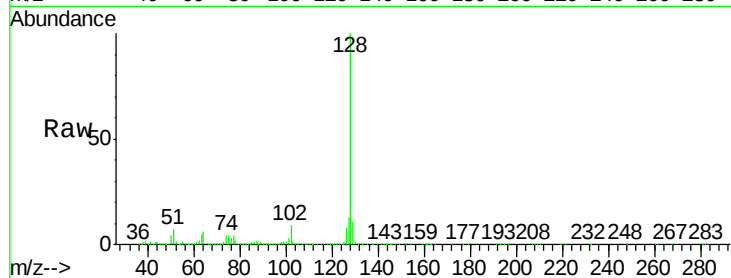
Tot Ion:128 Resp: 723463

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

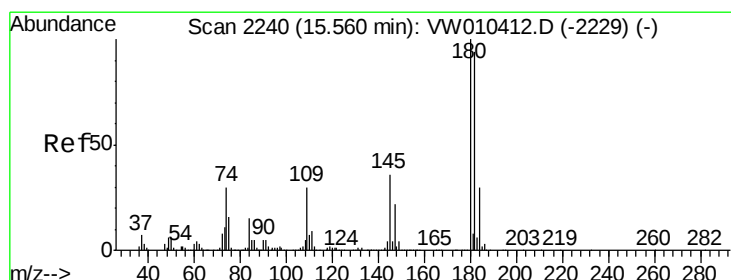
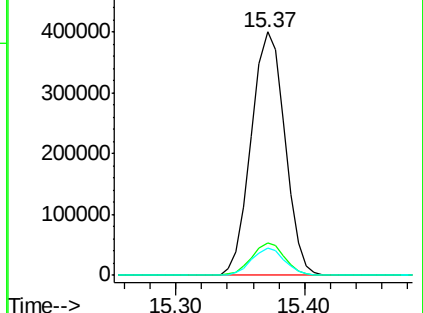
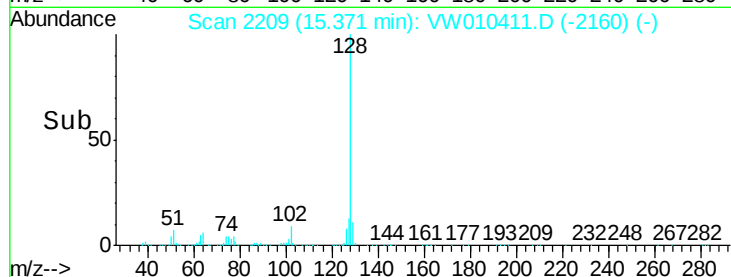
129 10.9 8.8 13.2



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: 19.919 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010411.D

Acq: 16 May 2019 19:36

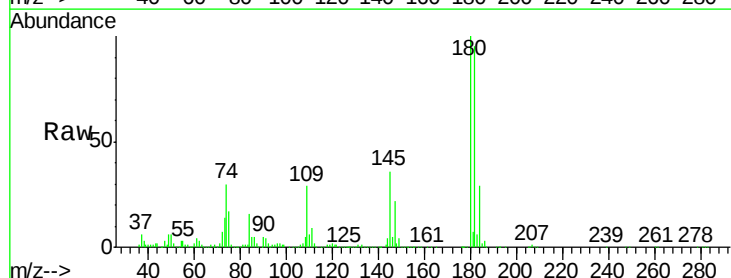
Tgt Ion:180 Resp: 292667

Ion Ratio Lower Upper

180 100

182 94.2 47.3 141.9

145 36.1 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

