

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010453.D
 Acq On : 20 May 2019 17:20
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Quant Time: May 21 06:29:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	140951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	243299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106022	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	216142	142.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.62%	
35) Dibromofluoromethane	7.88	113	223791	150.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.12%	
50) Toluene-d8	10.32	98	853254	152.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.86%	
62) 4-Bromofluorobenzene	12.62	95	328390	149.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	187827	155.583	ug/l	99
3) Chloromethane	2.21	50	215846	132.512	ug/l	99
4) Vinyl Chloride	2.36	62	257114	149.728	ug/l	100
5) Bromomethane	2.73	94	177179	176.453	ug/l	99
6) Chloroethane	2.89	64	155685	144.858	ug/l	98
7) Trichlorofluoromethane	3.25	101	378198	158.299	ug/l	98
8) Diethyl Ether	3.68	74	121928	146.133	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	230039	152.239	ug/l	98
10) Methyl Iodide	4.26	142	295209	172.464	ug/l	98
11) Tert butyl alcohol	5.17	59	94792	691.177	ug/l	99
12) 1,1-Dichloroethene	4.03	96	221190	154.397	ug/l	98
13) Acrolein	3.89	56	53518	521.285	ug/l	96
14) Allyl chloride	4.67	41	330036	150.452	ug/l	99
15) Acrylonitrile	5.37	53	251081	712.261	ug/l	99
16) Acetone	4.12	43	226482	809.328	ug/l	98
17) Carbon Disulfide	4.37	76	680472	163.779	ug/l	99
18) Methyl Acetate	4.67	43	106984	128.158	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	571814	142.563	ug/l	98
20) Methylene Chloride	4.92	84	244478	144.573	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	255561	153.436	ug/l	98
22) Diisopropyl ether	6.31	45	675535	145.541	ug/l	99
23) Vinyl Acetate	6.26	43	2068076	720.654	ug/l	98
24) 1,1-Dichloroethane	6.21	63	402248	148.354	ug/l	98
25) 2-Butanone	7.17	43	322288	706.754	ug/l	99
26) 2,2-Dichloropropane	7.17	77	363921	147.358	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	278094	149.845	ug/l	100
28) Bromochloromethane	7.51	49	145353	145.727	ug/l	98
29) Tetrahydrofuran	7.53	42	213290	691.249	ug/l	99
30) Chloroform	7.68	83	426164	149.299	ug/l	100
31) Cyclohexane	7.95	56	383211	139.934	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	401409	148.835	ug/l	99
36) 1,1-Dichloropropene	8.08	75	331167	151.139	ug/l	100
37) Ethyl Acetate	7.25	43	145553	142.110	ug/l	100
38) Carbon Tetrachloride	8.07	117	363392	153.660	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	447382	152.420	ug/l	100
40) Benzene	8.32	78	944899	151.557	ug/l	100
41) Methacrylonitrile	7.48	41	86466	144.892	ug/l	97
42) 1,2-Dichloroethane	8.40	62	271233	147.599	ug/l	100
43) Isopropyl Acetate	8.43	43	295286	142.403	ug/l	99
44) Trichloroethene	9.09	130	282165	157.385	ug/l	100
45) 1,2-Dichloropropane	9.37	63	228242	150.835	ug/l	98
46) Dibromomethane	9.46	93	131829	148.052	ug/l	96
47) Bromodichloromethane	9.65	83	337965	152.037	ug/l	98
48) Methyl methacrylate	9.43	41	134544	140.374	ug/l	96
49) 1,4-Dioxane	9.45	88	40515	3073.940	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	737552	694.392	ug/l	99
52) Toluene	10.39	92	640497	154.697	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	342790	150.105	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	392560	151.174	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	191083	148.773	ug/l	99
56) Ethyl methacrylate	10.65	69	261295	145.684	ug/l	99
57) 1,3-Dichloropropane	10.93	76	317733	147.379	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	589603	705.890	ug/l	99
59) 2-Hexanone	10.97	43	523541	705.655	ug/l	99
60) Dibromochloromethane	11.13	129	247880	155.123	ug/l	100
61) 1,2-Dibromoethane	11.24	107	193687	148.495	ug/l	98
64) Tetrachloroethene	10.87	164	229667	156.716	ug/l	97
65) Chlorobenzene	11.66	112	694317	154.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	249825	150.393	ug/l	99
67) Ethyl Benzene	11.73	91	1203089	151.162	ug/l	100
68) m/p-Xylenes	11.84	106	953050	305.775	ug/l	99
69) o-Xylene	12.17	106	455823	153.723	ug/l	99
70) Styrene	12.18	104	786305	154.254	ug/l	100
71) Bromoform	12.35	173	147556	159.842	ug/l #	99
73) Isopropylbenzene	12.47	105	1220572	146.634	ug/l	100
74) N-amyl acetate	12.27	43	300777	144.311	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	222518	137.880	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	288034	255.987	ug/l	26
77) Bromobenzene	12.75	156	285708	152.336	ug/l	99
78) n-propylbenzene	12.80	91	1427788	148.253	ug/l	99
79) 2-Chlorotoluene	12.90	91	827759	147.305	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1037314	146.761	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	78401	137.514	ug/l	98
82) 4-Chlorotoluene	12.99	91	859346	146.702	ug/l	99
83) tert-Butylbenzene	13.21	119	907855	151.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1026445	147.318	ug/l	100
85) sec-Butylbenzene	13.39	105	1248271	148.061	ug/l	99
86) p-Isopropyltoluene	13.50	119	1148214	150.399	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	544879	150.730	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	541765	150.165	ug/l	99
89) n-Butylbenzene	13.83	91	1091046	149.988	ug/l	100
90) Hexachloroethane	14.10	117	230599	150.802	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	492711	150.497	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	39915	132.616	ug/l	97

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Quant Title : SW846 8260
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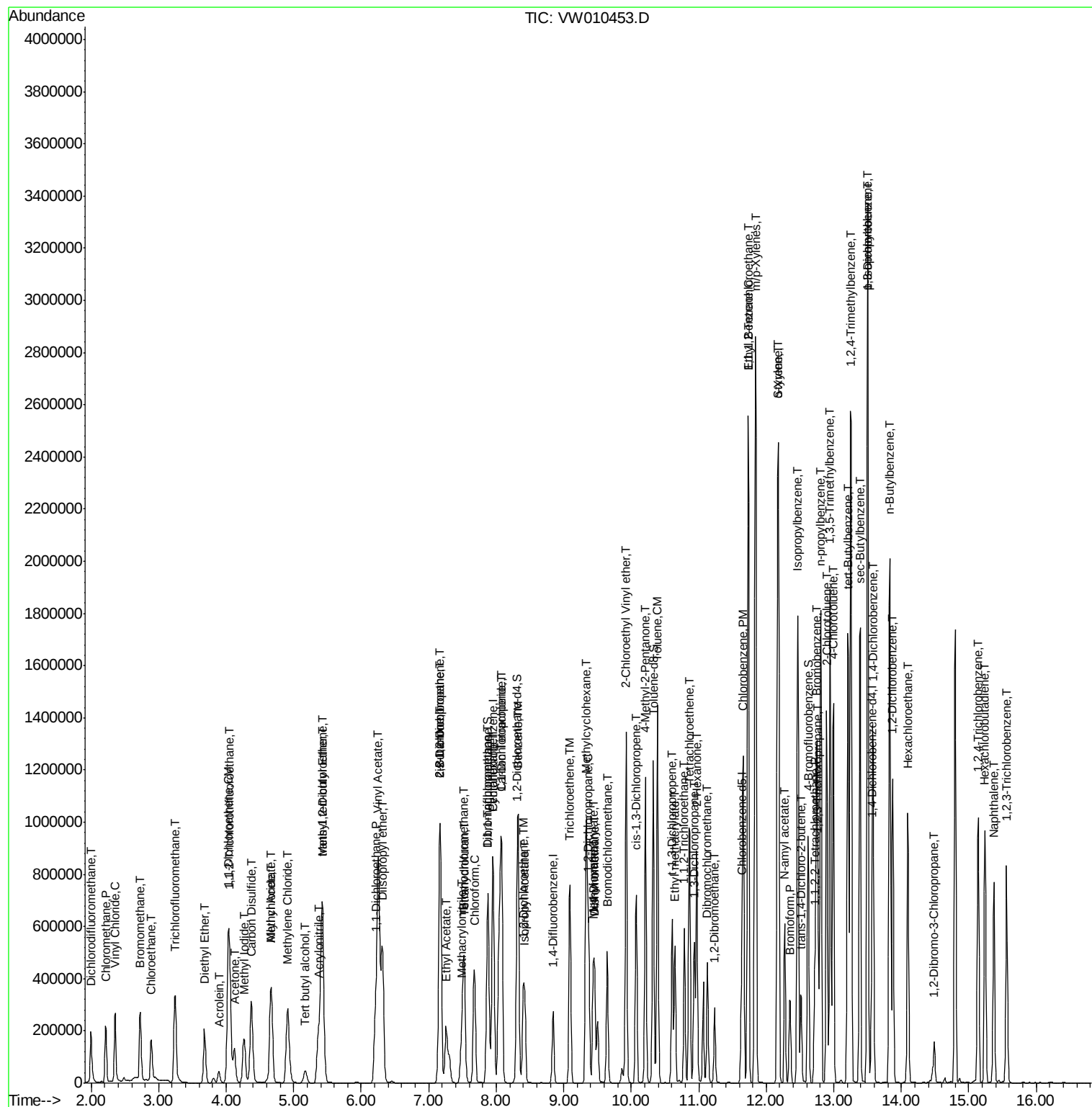
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331949	153.500	ug/l	100
94) Hexachlorobutadiene	15.24	225	180206	155.325	ug/l	98
95) Naphthalene	15.37	128	698624	145.000	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	287982	151.517	ug/l	100

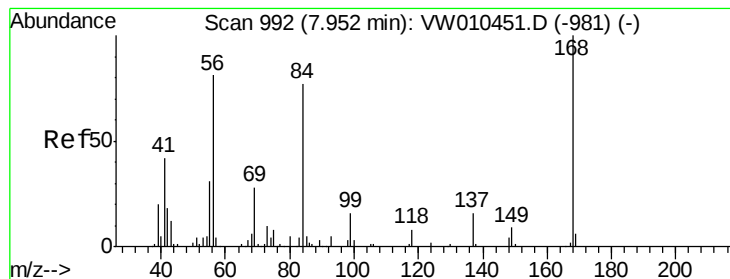
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

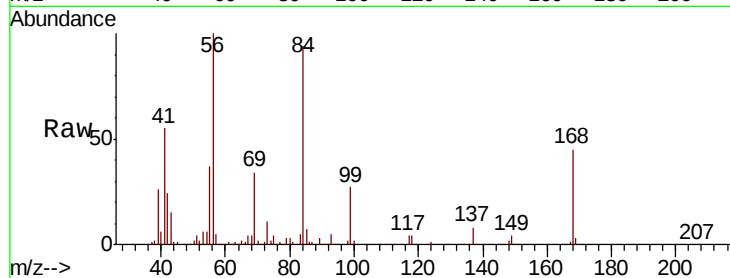
VSTDIC150

Tot Ion:168 Resp: 140951

Ion Ratio Lower Upper

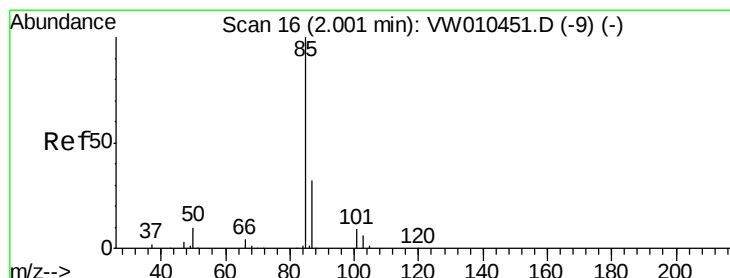
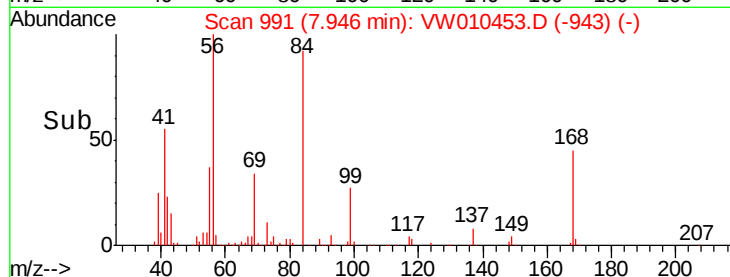
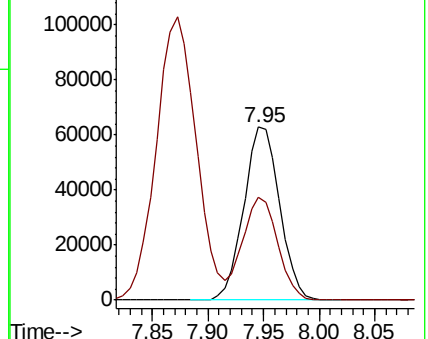
168 100

99 59.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 155.583 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010453.D

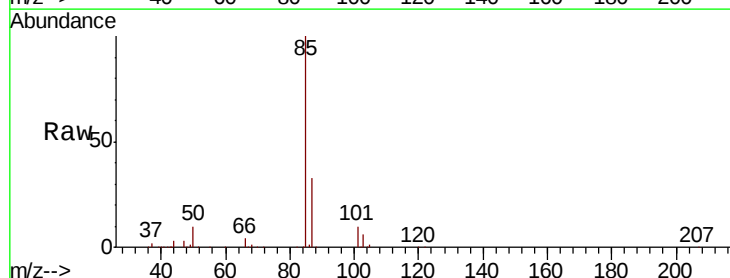
Acq: 20 May 2019 17:20

Tgt Ion: 85 Resp: 187827

Ion Ratio Lower Upper

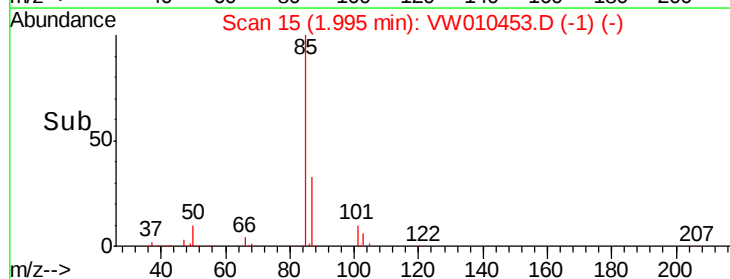
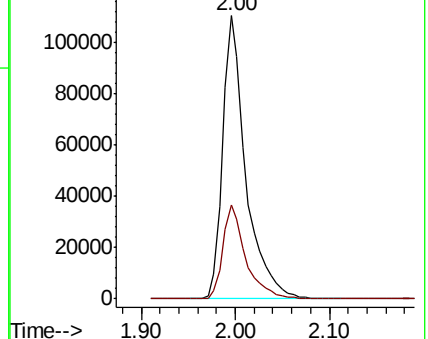
85 100

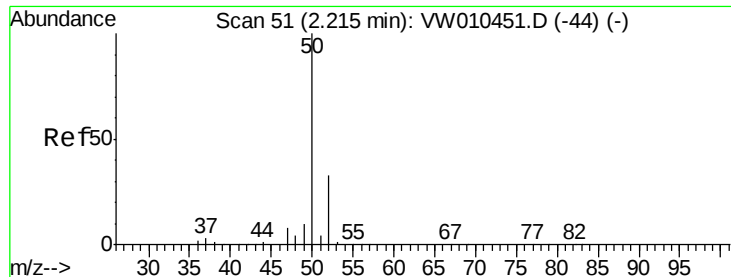
87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 132.512 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

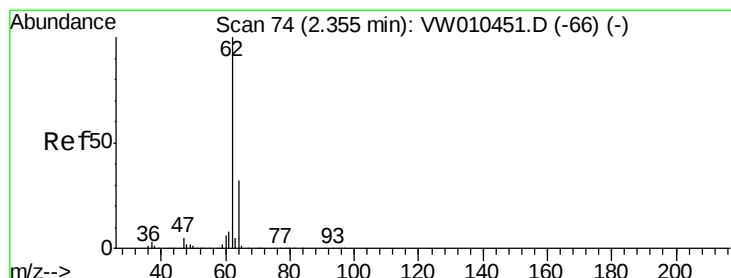
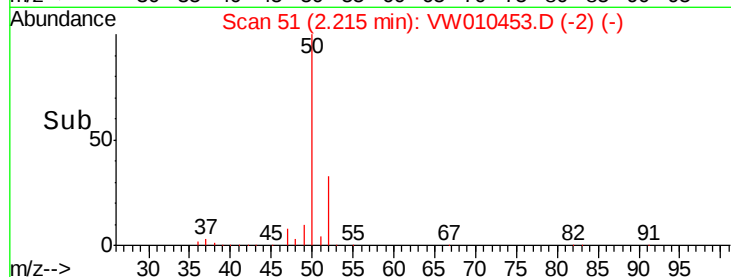
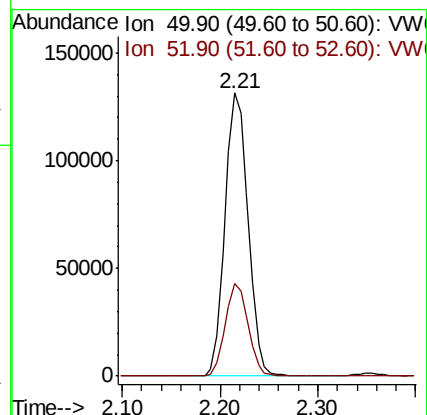
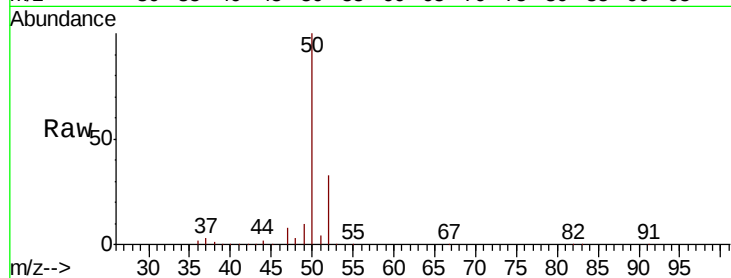
VSTDIC150

Tot Ion: 50 Resp: 215846

Ion Ratio Lower Upper

50 100

52 32.5 26.3 39.5



#4

Vinyl Chloride

Concen: 149.728 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010453.D

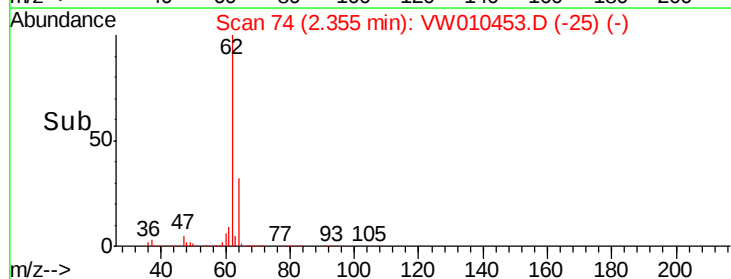
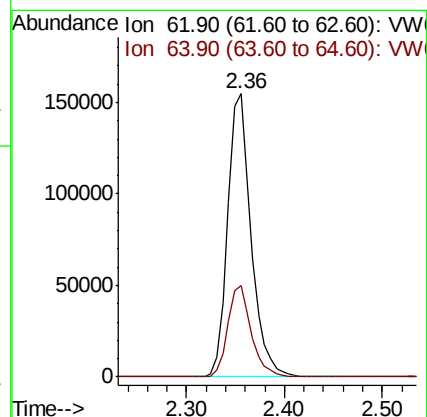
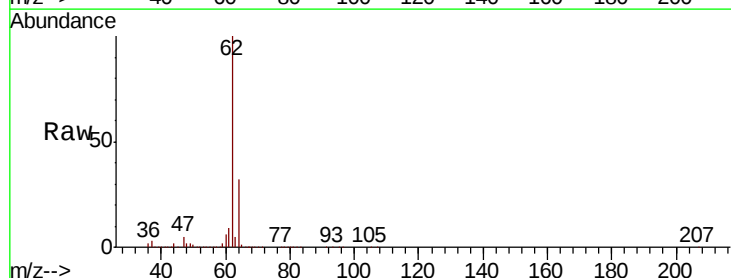
Acq: 20 May 2019 17:20

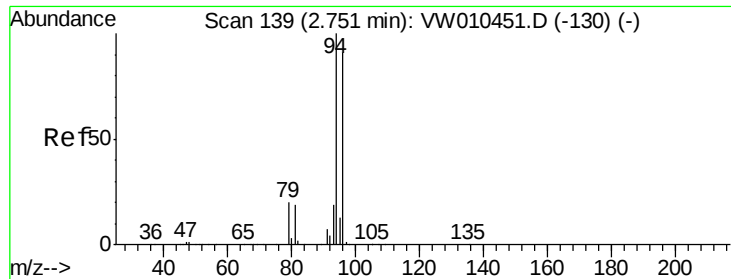
Tgt Ion: 62 Resp: 257114

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.8





#5

Bromomethane

Concen: 176.453 ug/l

RT: 2.73 min Scan# 135

Delta R.T. -0.02 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

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ClientSampleId :

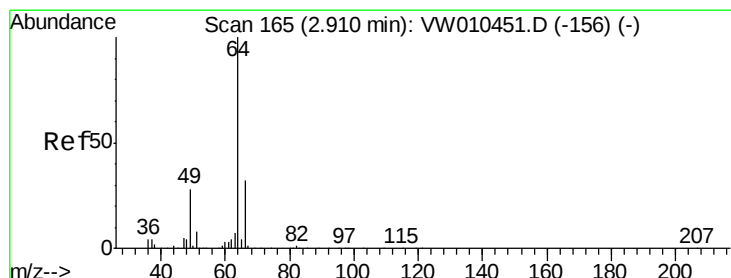
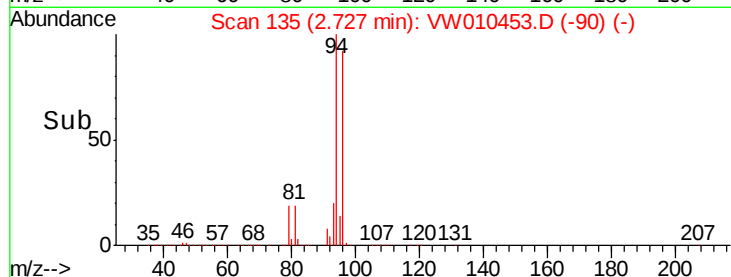
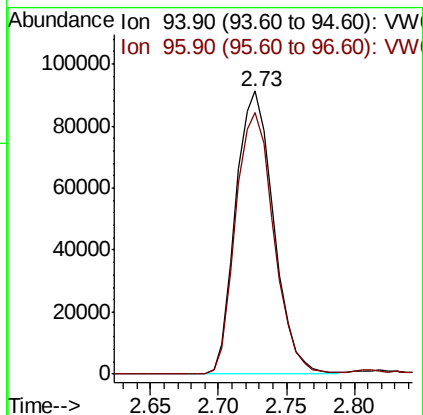
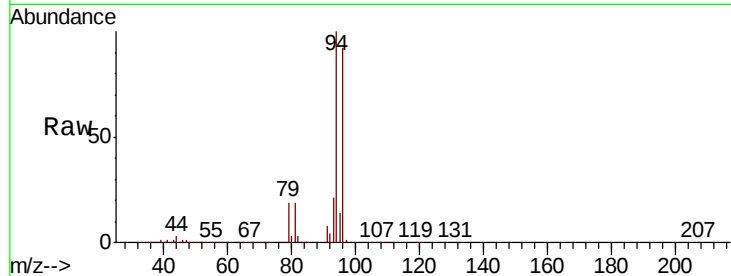
VSTDIC150

Tot Ion: 94 Resp: 177179

Ion Ratio Lower Upper

94 100

96 92.5 72.9 109.3



#6

Chloroethane

Concen: 144.858 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW010453.D

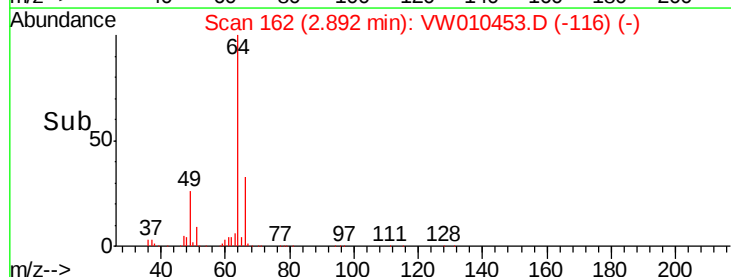
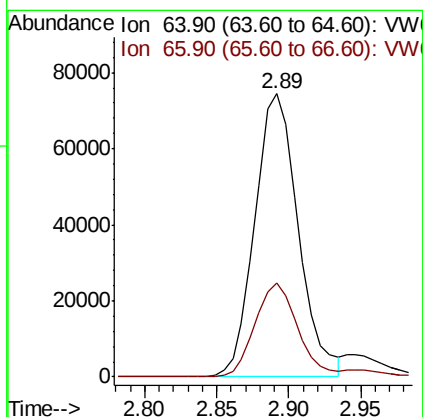
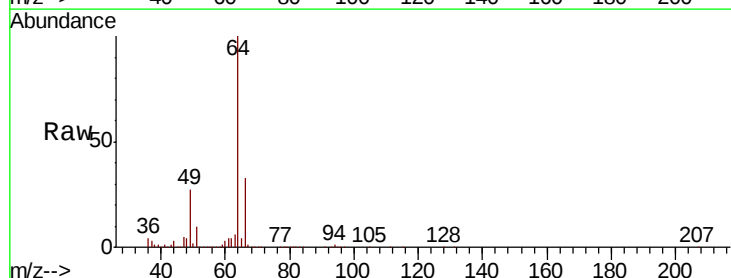
Acq: 20 May 2019 17:20

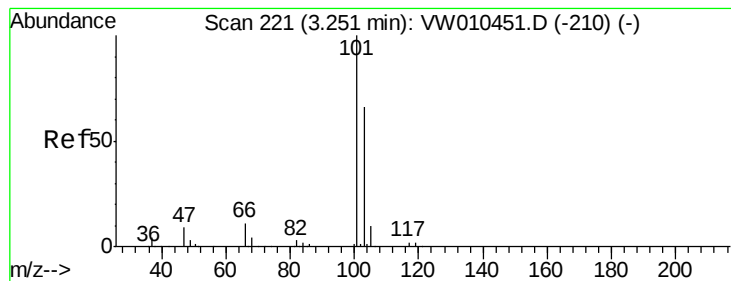
Tgt Ion: 64 Resp: 155685

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



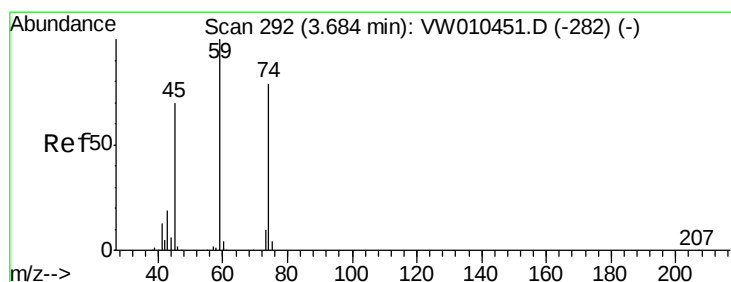
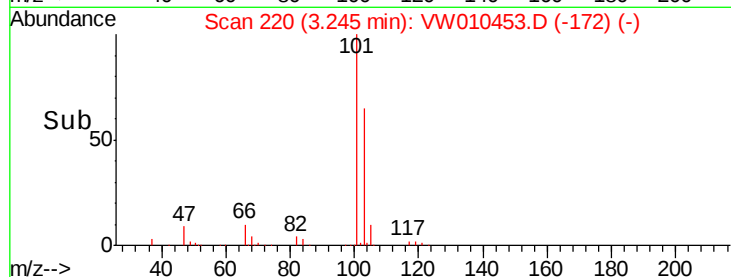
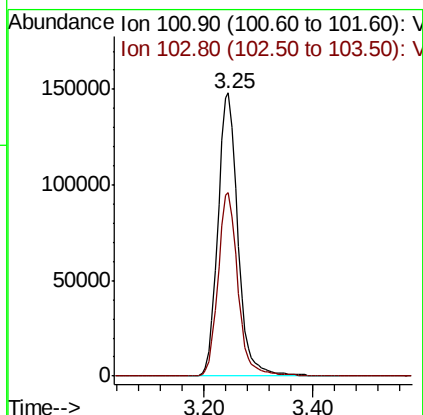
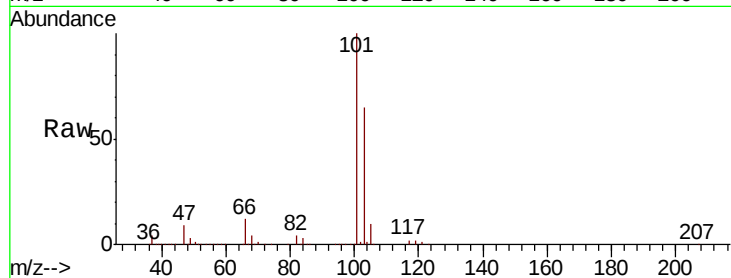


#7

Trichlorofluoromethane
 Concen: 158.299 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
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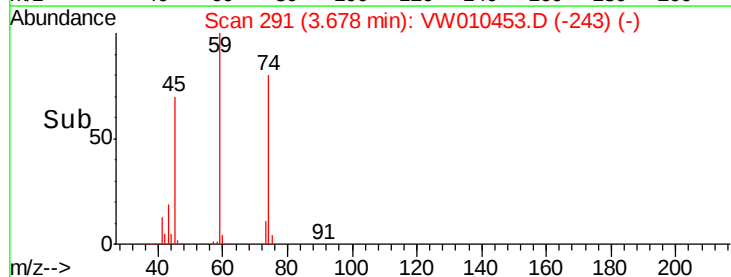
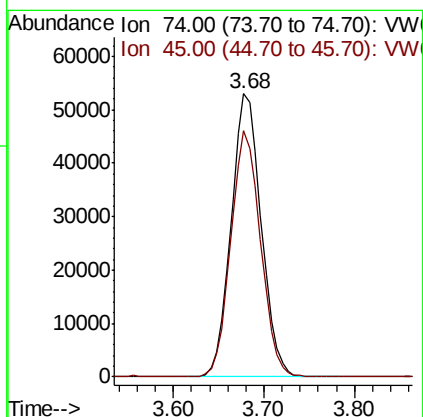
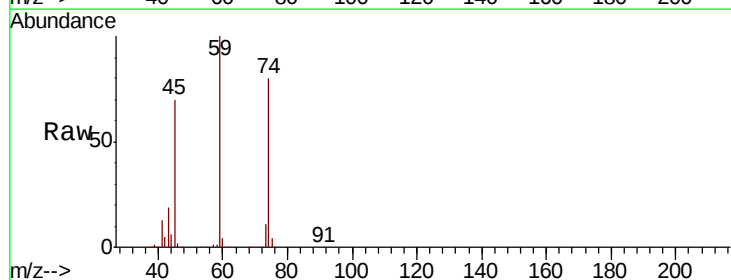
Tot Ion:101 Resp: 378198
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.0 79.4

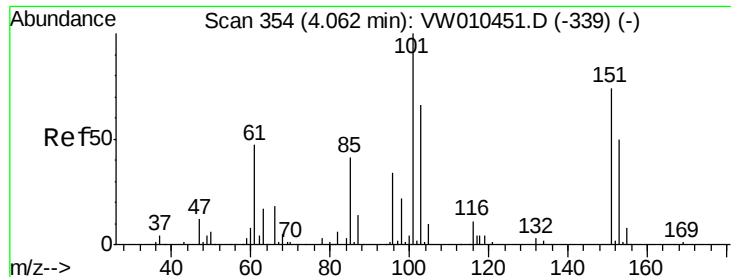


#8

Diethyl Ether
 Concen: 146.133 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion: 74 Resp: 121928
 Ion Ratio Lower Upper
 74 100
 45 85.9 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 152.239 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

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VSTDIC150

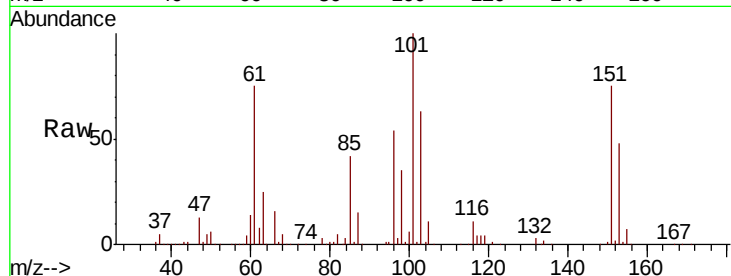
Tot Ion:101 Resp: 230039

Ion Ratio Lower Upper

101 100

85 42.5 34.3 51.5

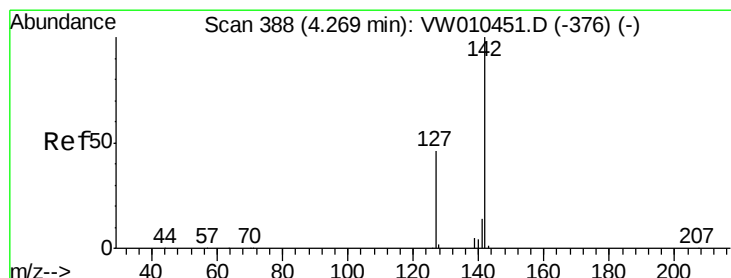
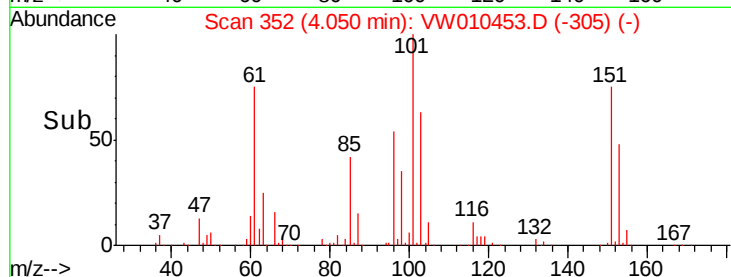
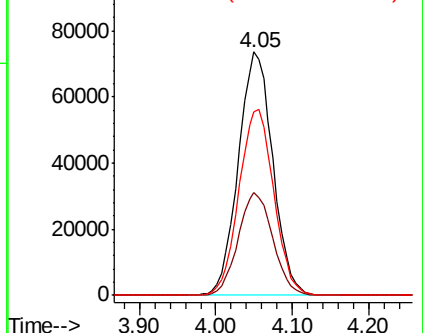
151 77.3 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 172.464 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

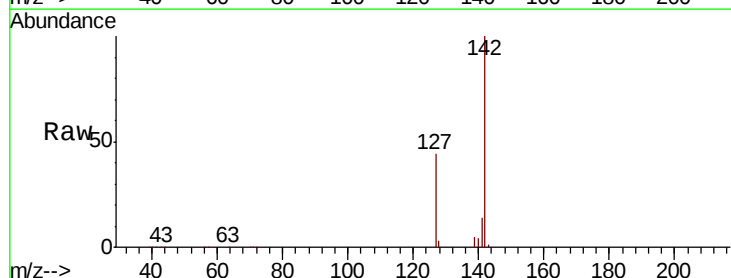
Tgt Ion:142 Resp: 295209

Ion Ratio Lower Upper

142 100

127 43.2 36.1 54.1

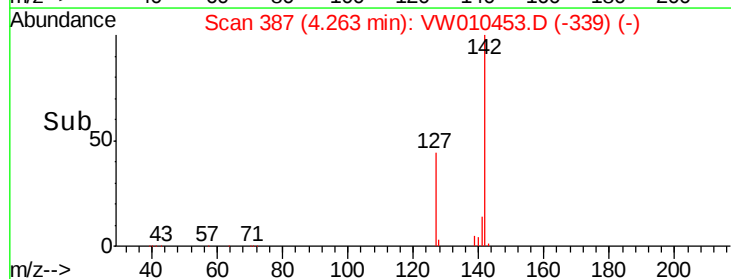
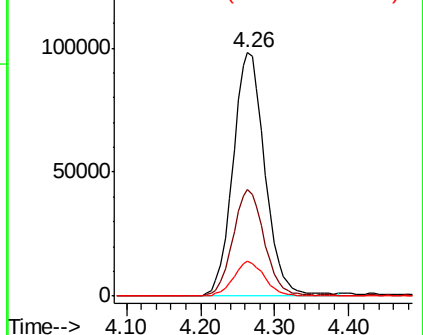
141 13.9 11.3 16.9

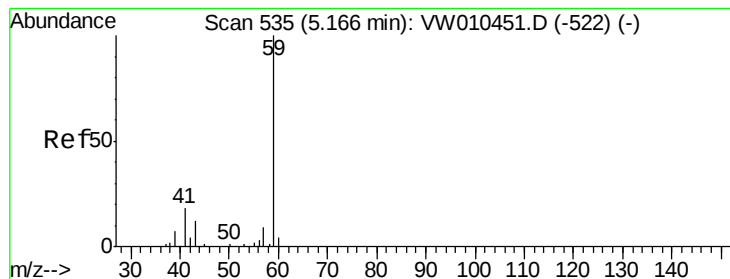


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



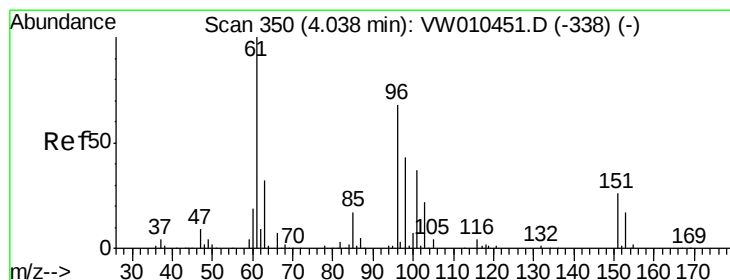
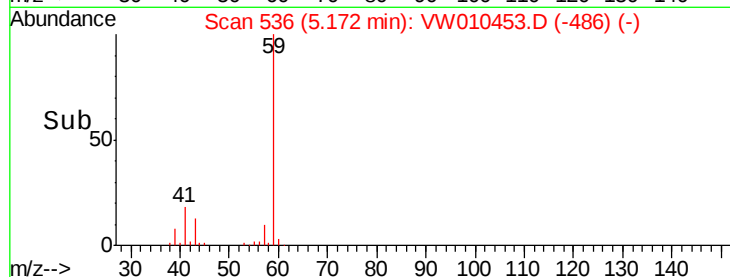
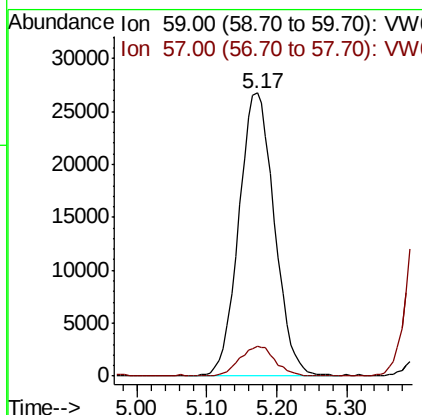
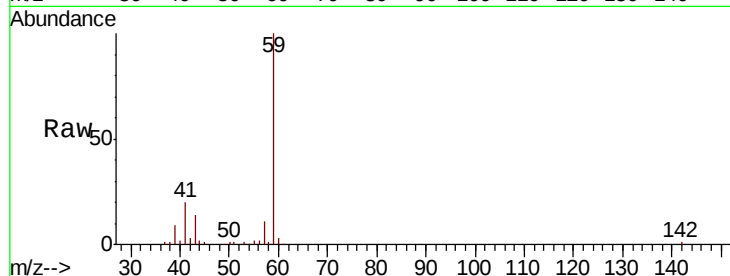


#11

Tert butyl alcohol
 Concen: 691.177 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

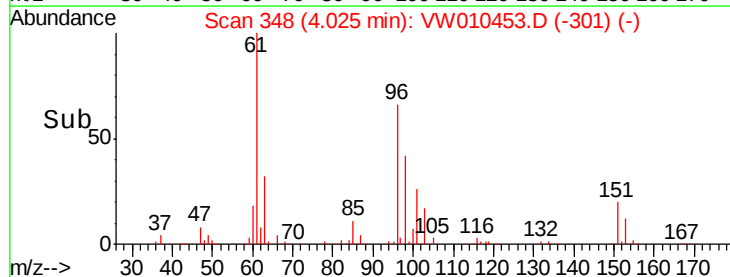
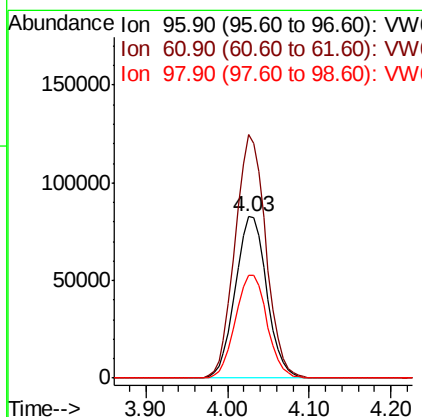
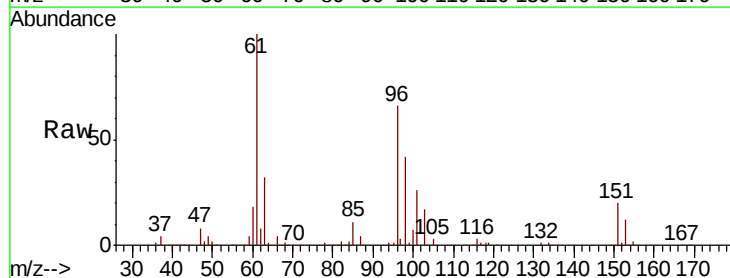
Tot Ion: 59 Resp: 94792
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.8 13.2

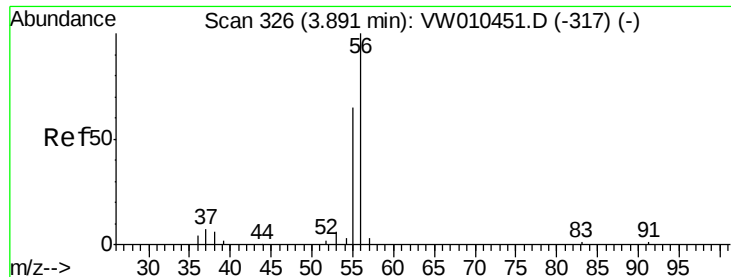


#12

1,1-Dichloroethene
 Concen: 154.397 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion: 96 Resp: 221190
 Ion Ratio Lower Upper
 96 100
 61 150.9 118.3 177.5
 98 63.9 51.0 76.6





#13

Acrolein

Concen: 521.285 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

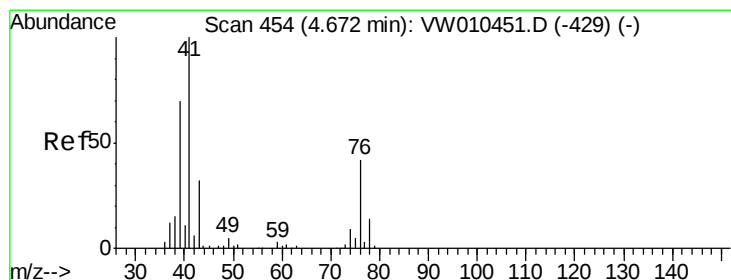
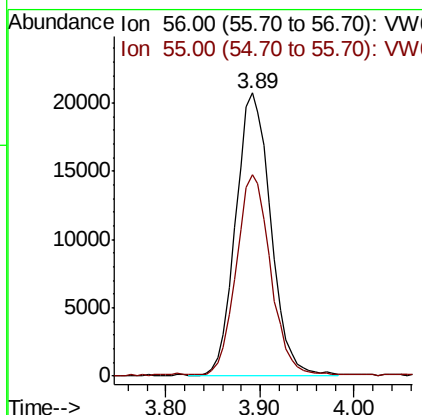
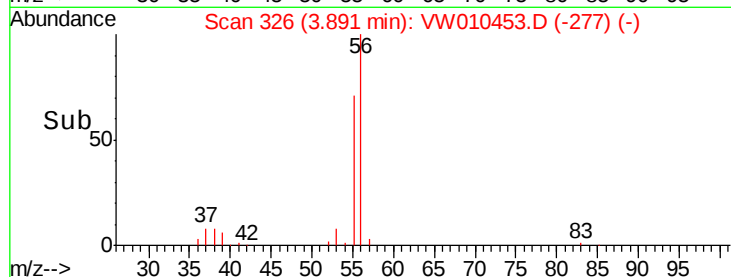
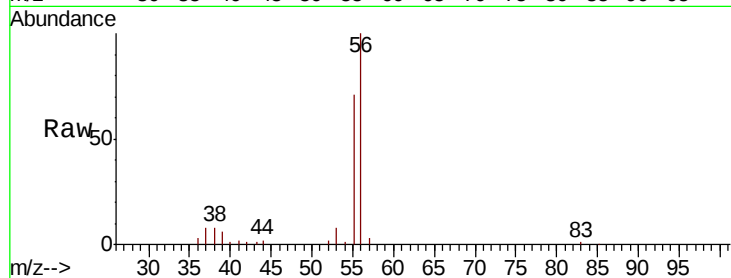
VSTDIC150

Tot Ion: 56 Resp: 53518

Ion Ratio Lower Upper

56 100

55 69.3 57.9 86.9



#14

Allyl chloride

Concen: 150.452 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

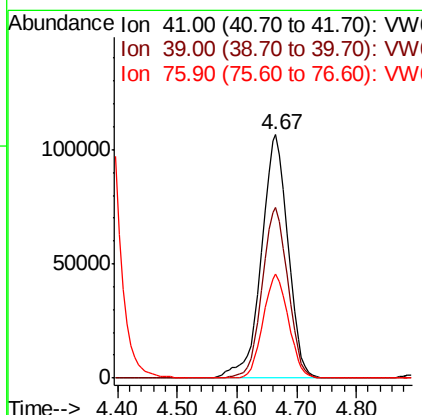
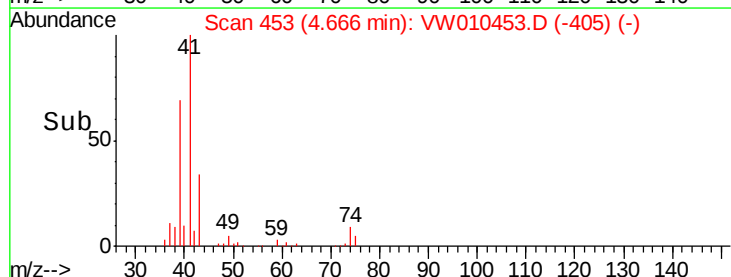
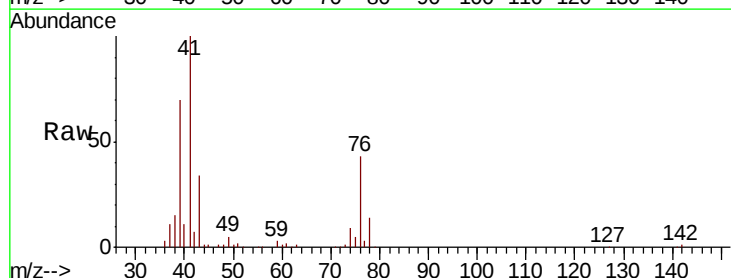
Tgt Ion: 41 Resp: 330036

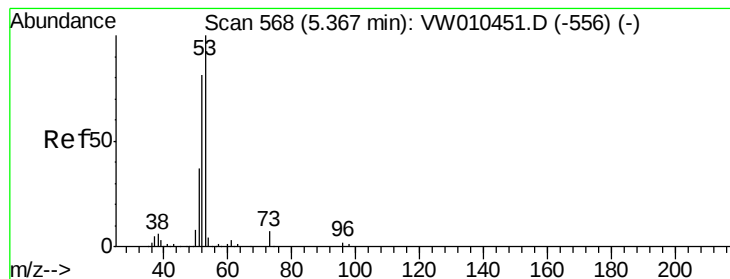
Ion Ratio Lower Upper

41 100

39 68.1 55.0 82.4

76 40.7 32.8 49.2





#15

Acrylonitrile

Concen: 712.261 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

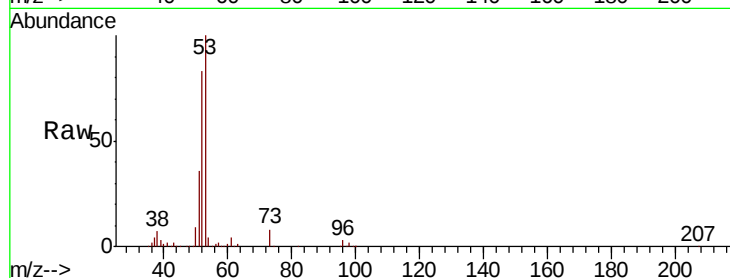
Tot Ion: 53 Resp: 251081

Ion Ratio Lower Upper

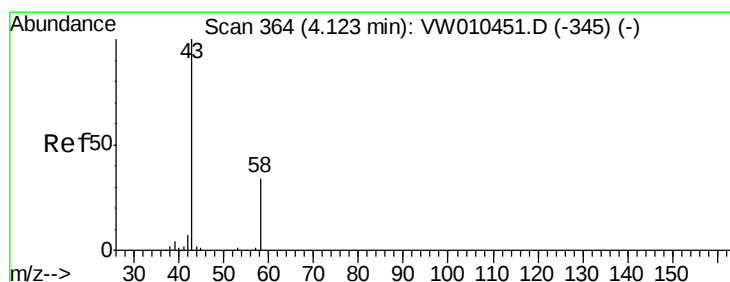
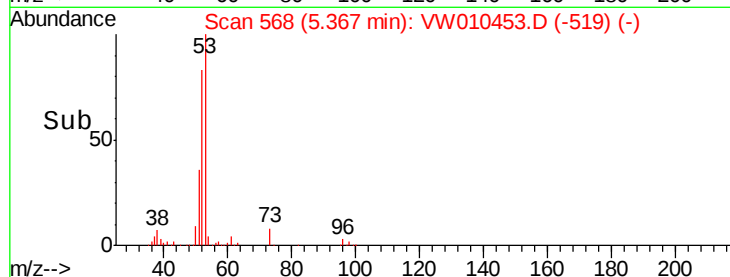
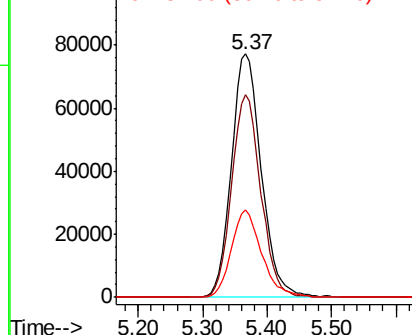
53 100

52 80.9 65.6 98.4

51 36.3 29.5 44.3



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: 809.328 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010453.D

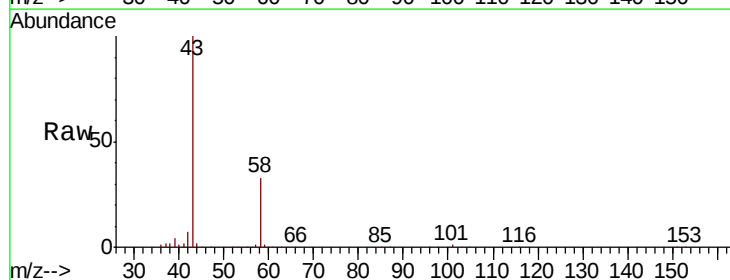
Acq: 20 May 2019 17:20

Tgt Ion: 43 Resp: 226482

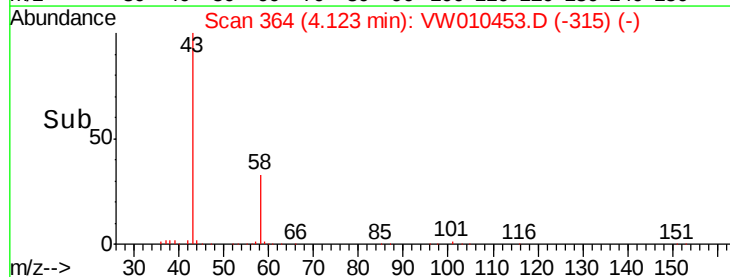
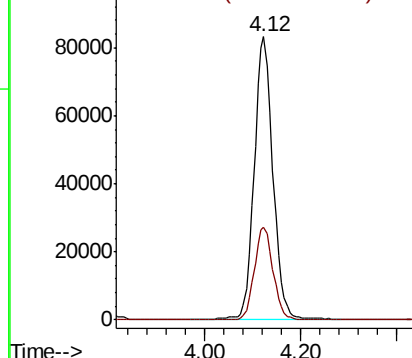
Ion Ratio Lower Upper

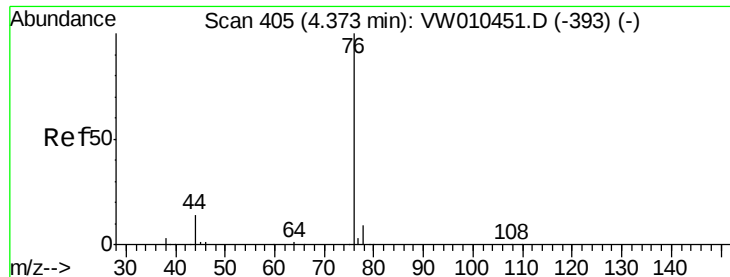
43 100

58 32.8 27.0 40.4



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

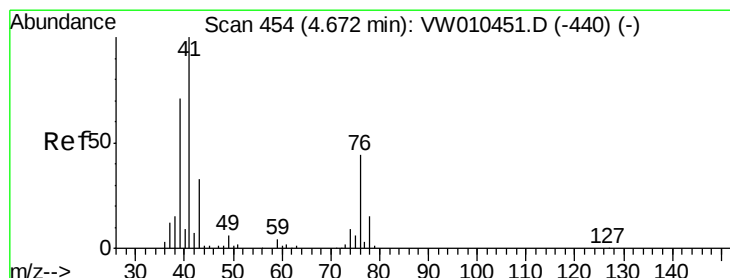
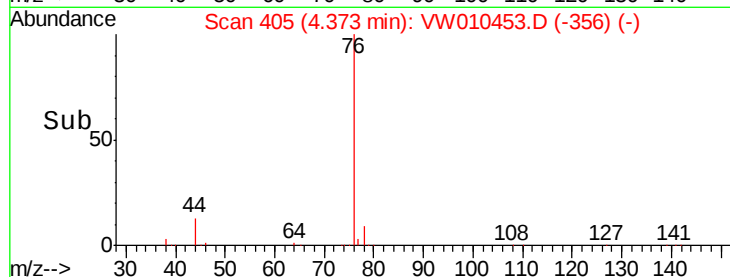
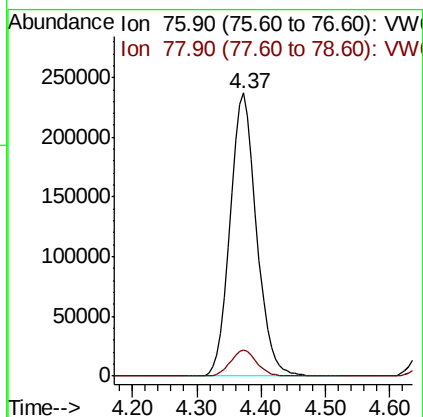
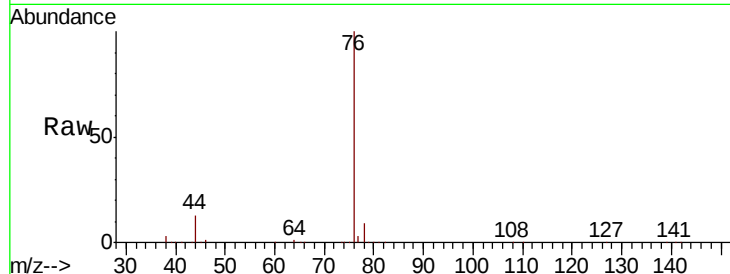




#17
Carbon Disulfide
Concen: 163.779 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

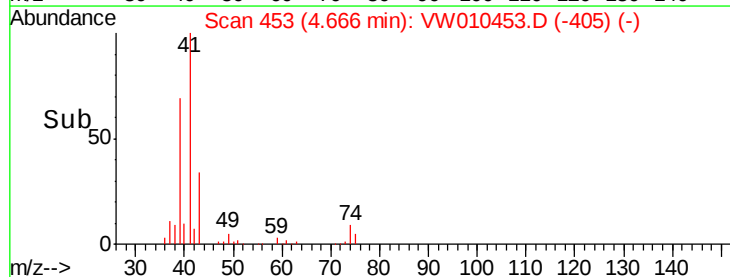
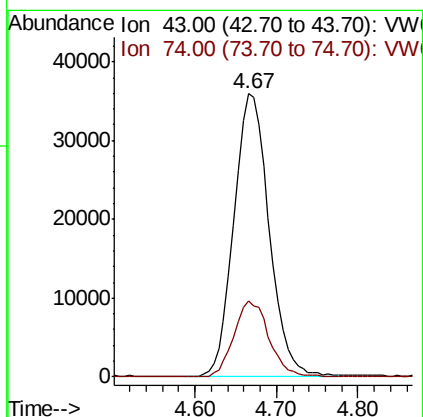
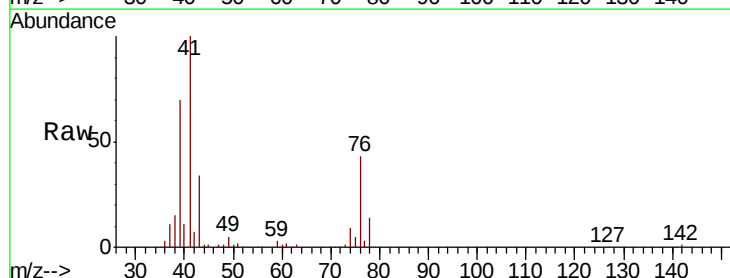
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

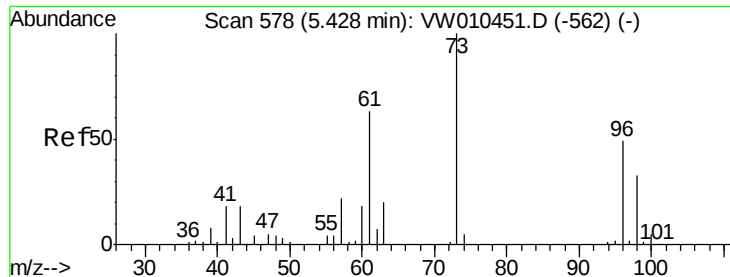
Tot Ion: 76 Resp: 680472
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 128.158 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 43 Resp: 106984
Ion Ratio Lower Upper
43 100
74 26.7 21.6 32.4

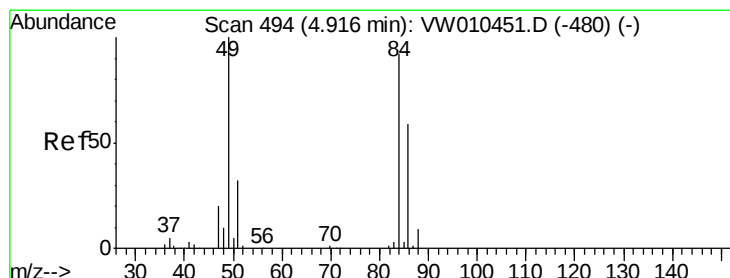
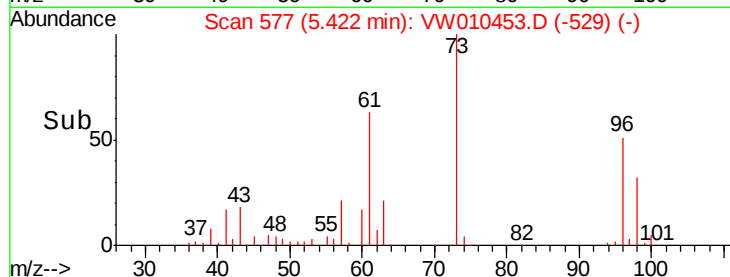
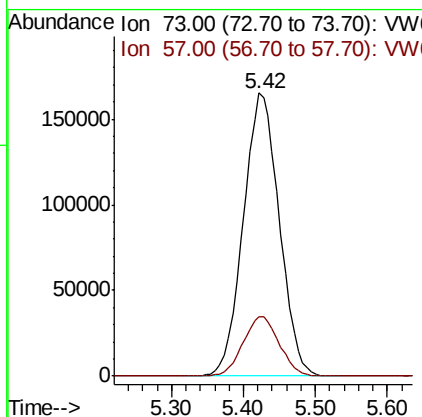
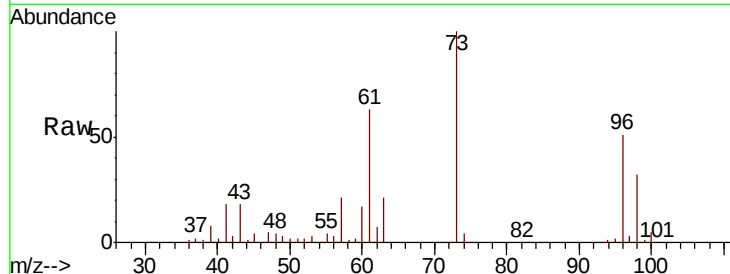




#19
Methvl tert-butvl Ether
Concen: 142.563 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

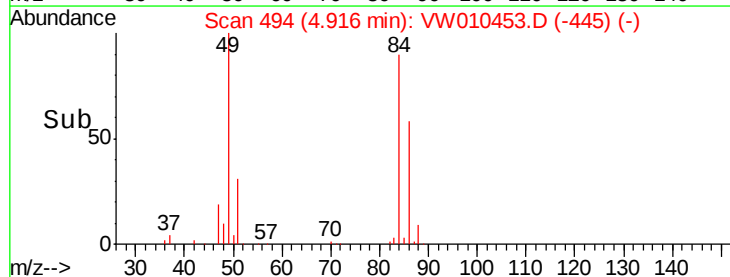
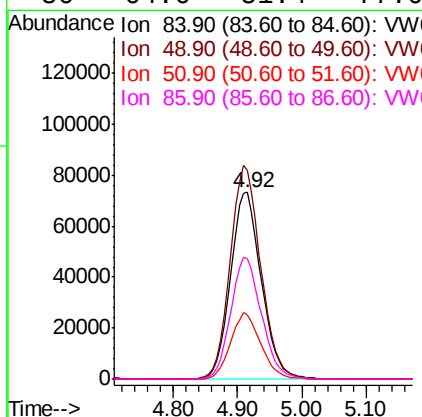
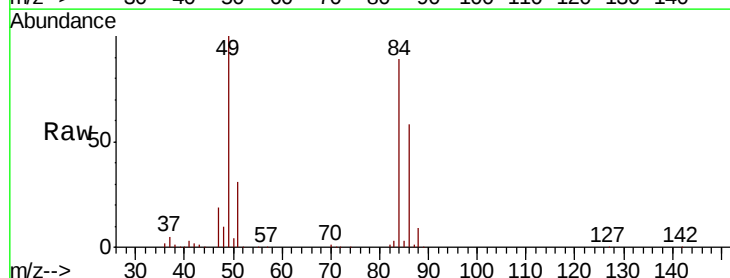
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

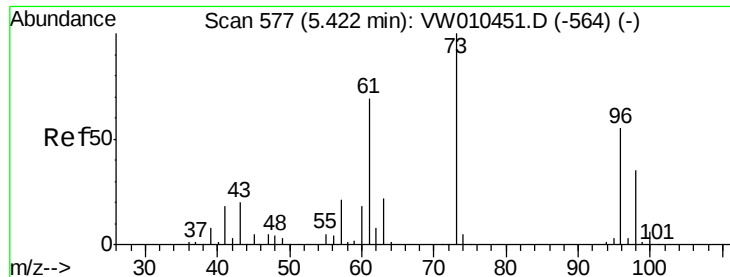
Tot Ion: 73 Resp: 571814
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.0



#20
Methylene Chloride
Concen: 144.573 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 84 Resp: 244478
Ion Ratio Lower Upper
84 100
49 111.9 87.2 130.8
51 34.3 27.7 41.5
86 64.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 153.436 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

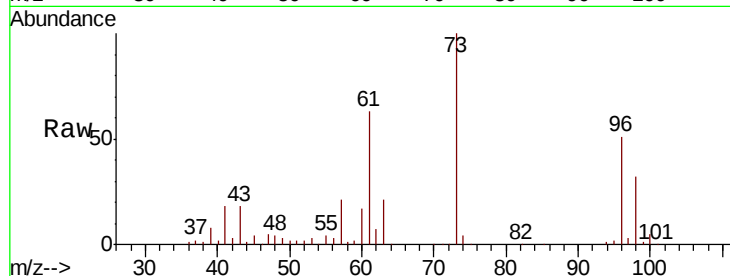
Tot Ion: 96 Resp: 255561

Ion Ratio Lower Upper

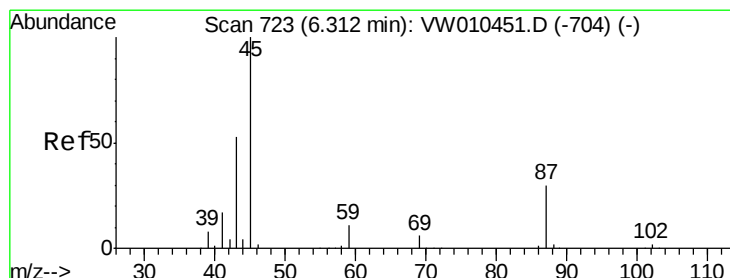
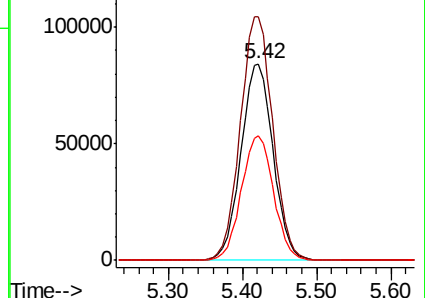
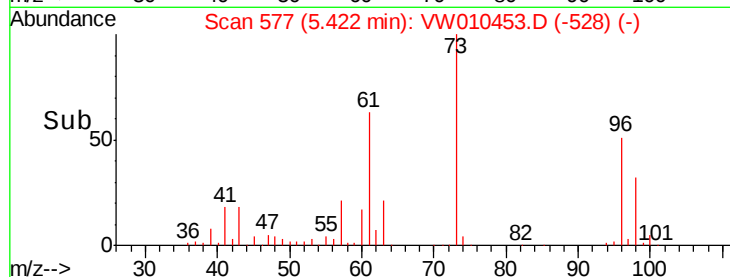
96 100

61 123.7 101.4 152.0

98 63.2 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 145.541 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion: 45 Resp: 675535

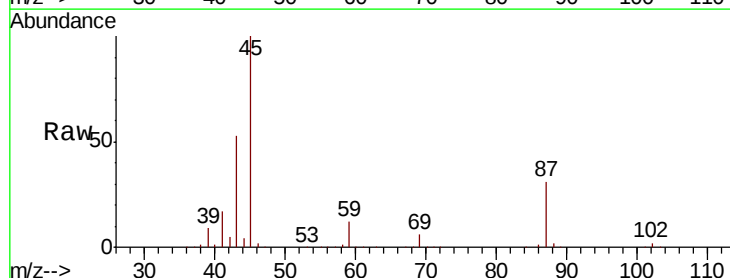
Ion Ratio Lower Upper

45 100

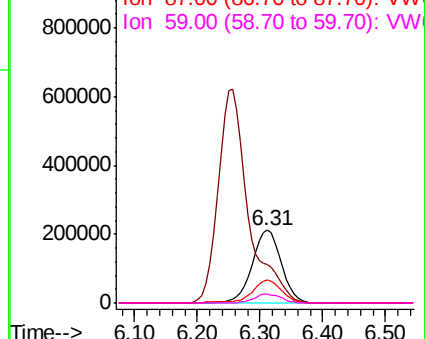
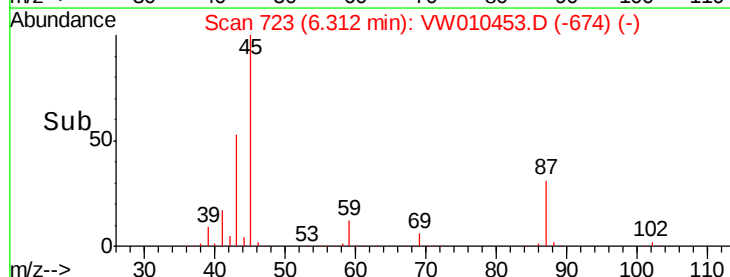
43 53.0 42.9 64.3

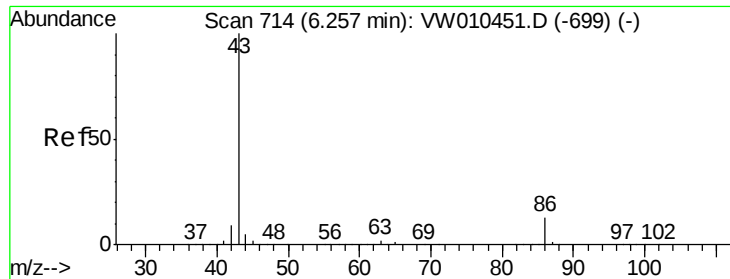
87 31.2 24.6 36.8

59 12.2 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 720.654 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

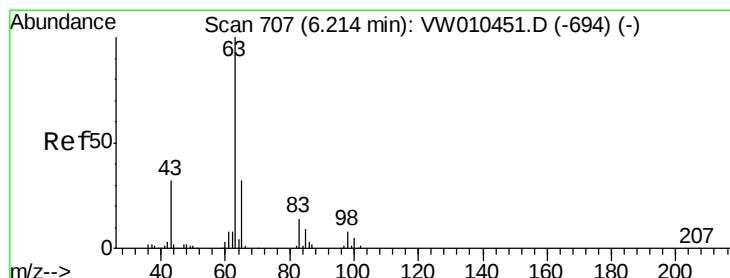
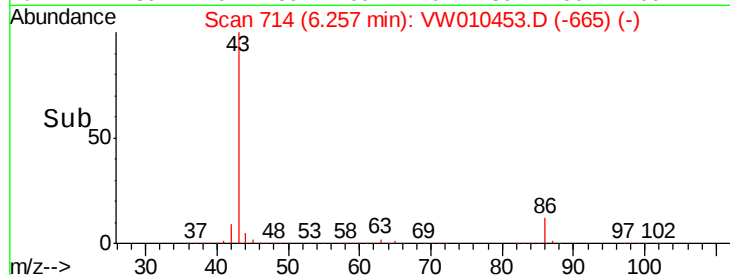
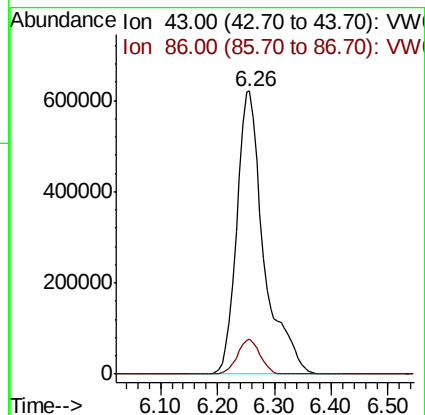
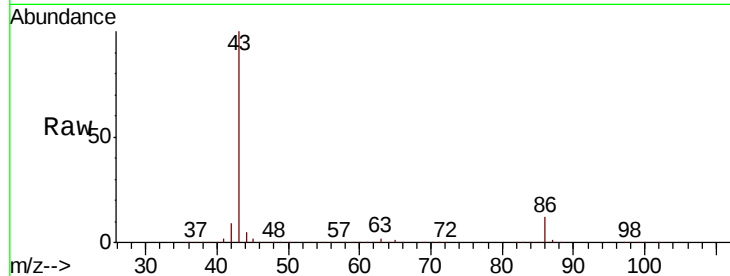
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2068076

Ion Ratio Lower Upper

43 100

86 12.3 10.3 15.5



#24

1,1-Dichloroethane

Concen: 148.354 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

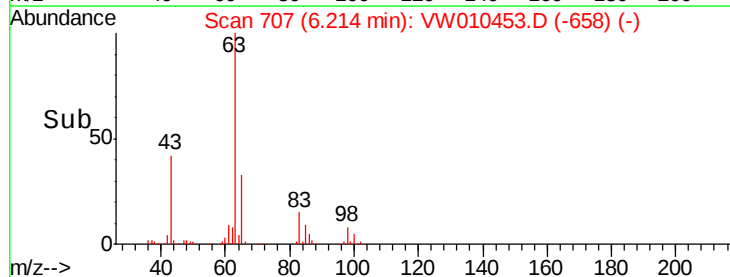
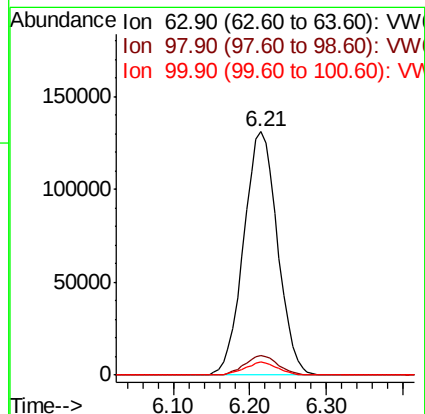
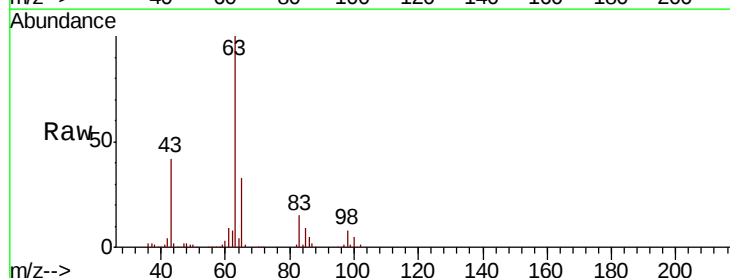
Tgt Ion: 63 Resp: 402248

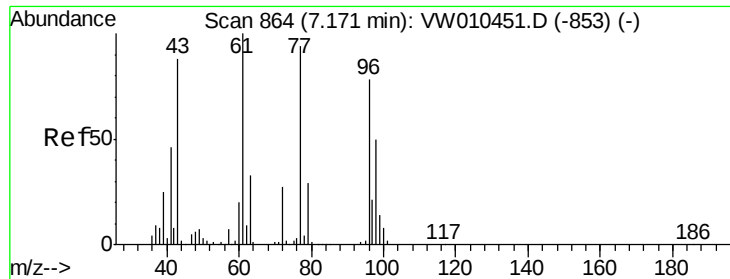
Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

100 5.4 2.5 7.4





#25

2-Butanone

Concen: 706.754 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

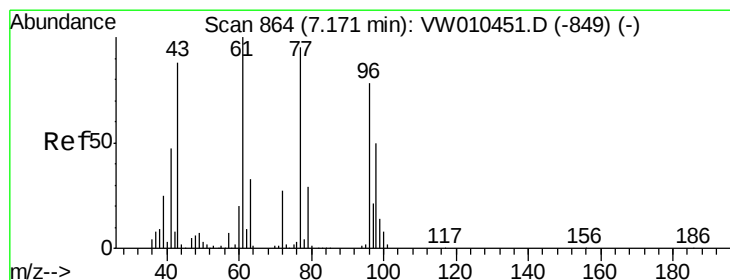
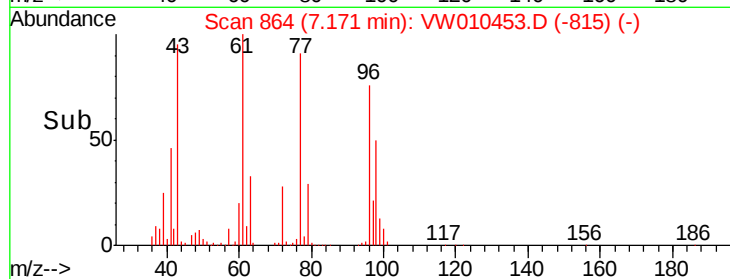
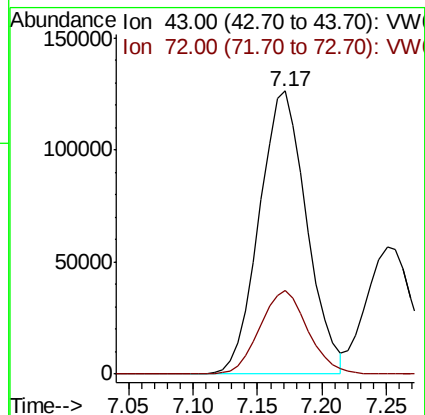
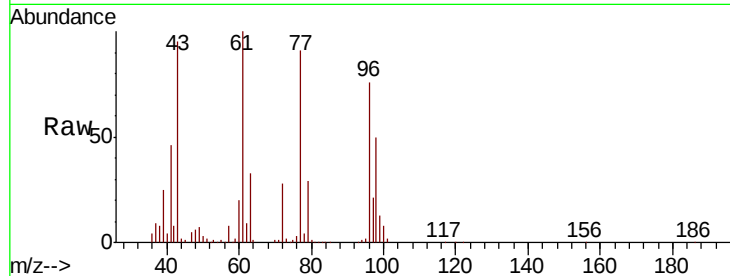
VSTDIC150

Tot Ion: 43 Resp: 322288

Ion Ratio Lower Upper

43 100

72 29.4 24.1 36.1



#26

2,2-Dichloropropane

Concen: 147.358 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010453.D

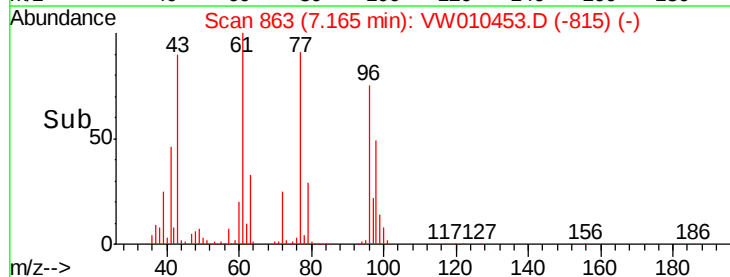
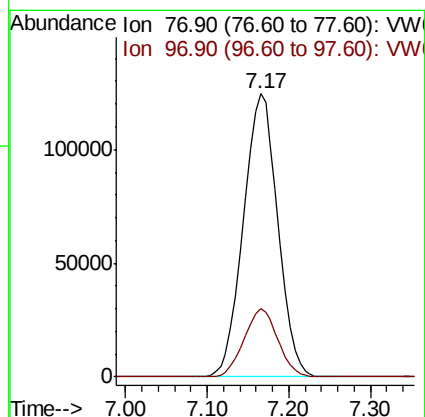
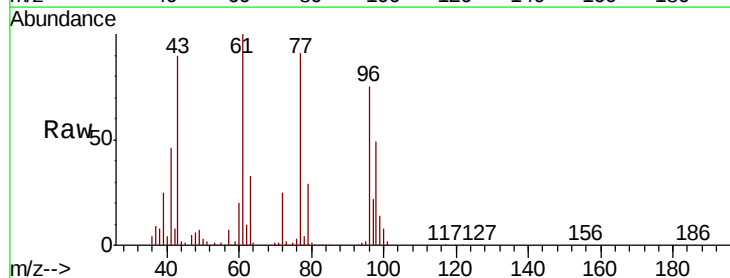
Acq: 20 May 2019 17:20

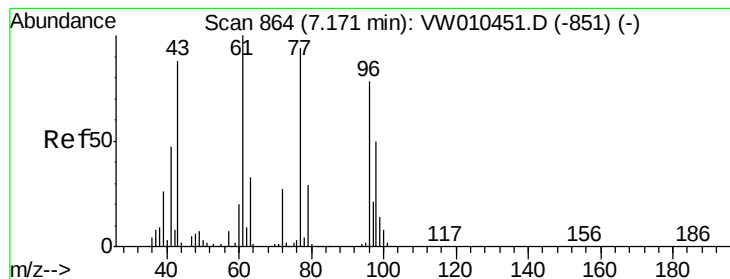
Tgt Ion: 77 Resp: 363921

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



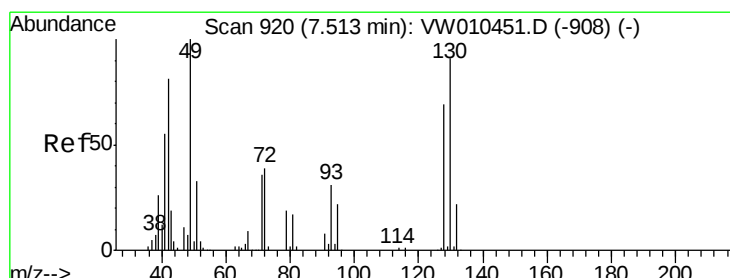
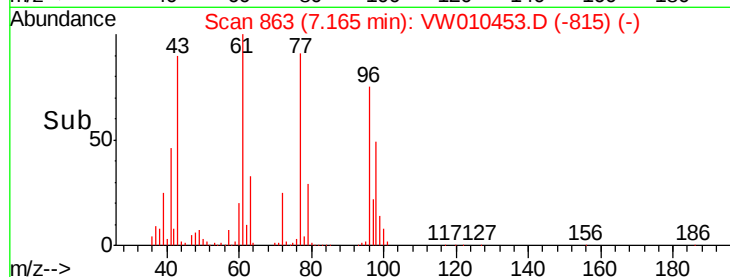
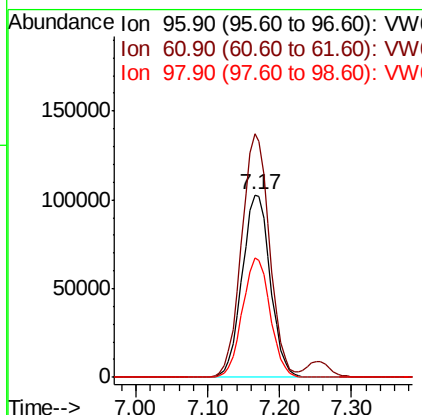
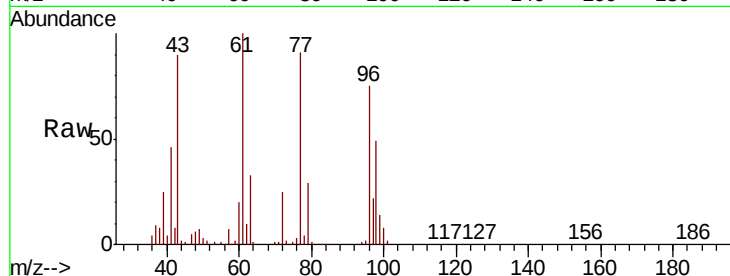


#27

cis-1,2-Dichloroethene
Concen: 149.845 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

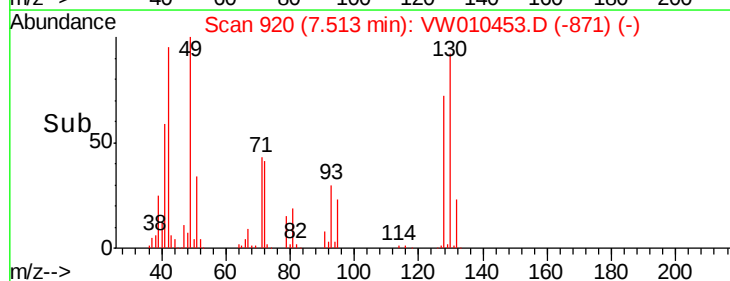
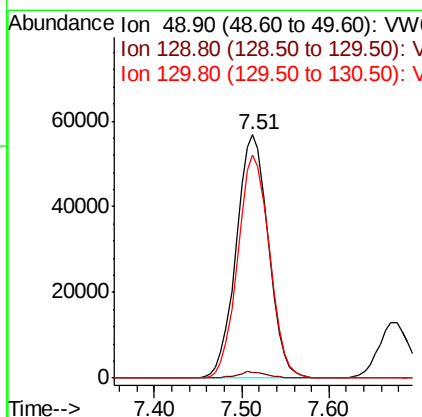
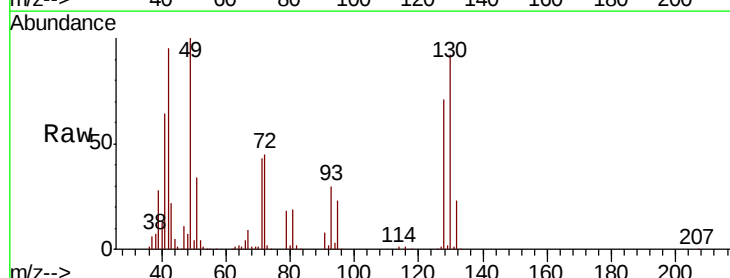
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	265.4
98	64.7	0.0	129.4

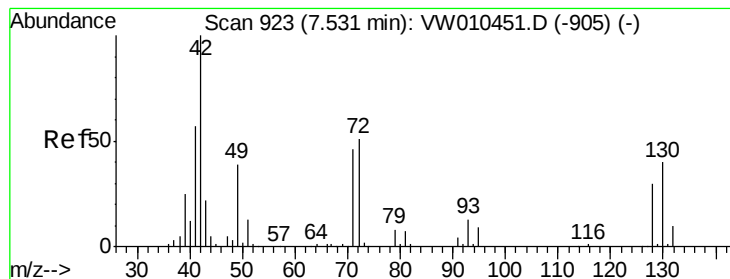


#28

Bromochloromethane
Concen: 145.727 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	90.5	71.2	106.8





#29

Tetrahydrofuran

Concen: 691.249 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

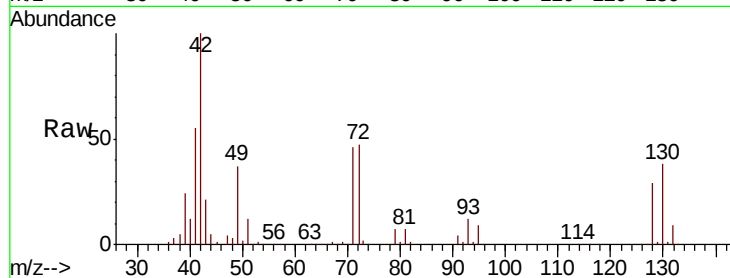
Tot Ion: 42 Resp: 213290

Ion Ratio Lower Upper

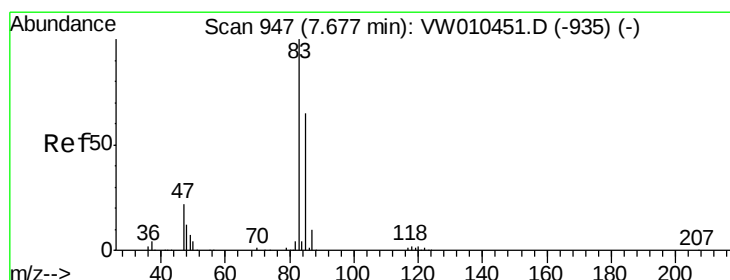
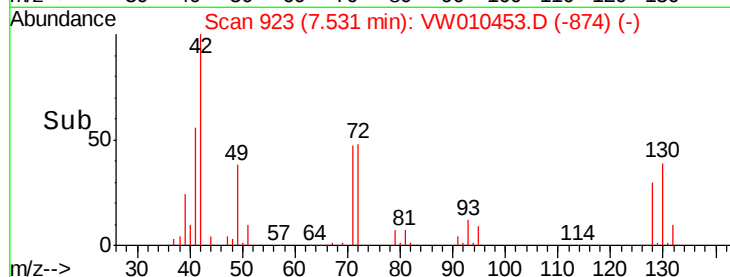
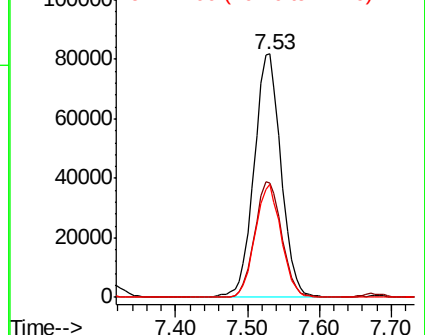
42 100

72 47.7 38.5 57.7

71 44.8 36.5 54.7



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



#30

Chloroform

Concen: 149.299 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW010453.D

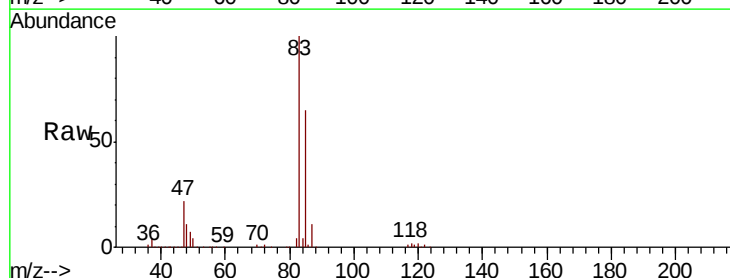
Acq: 20 May 2019 17:20

Tgt Ion: 83 Resp: 426164

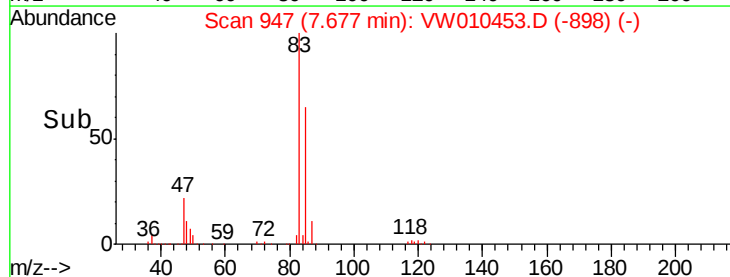
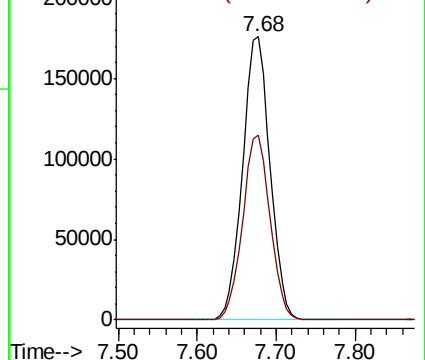
Ion Ratio Lower Upper

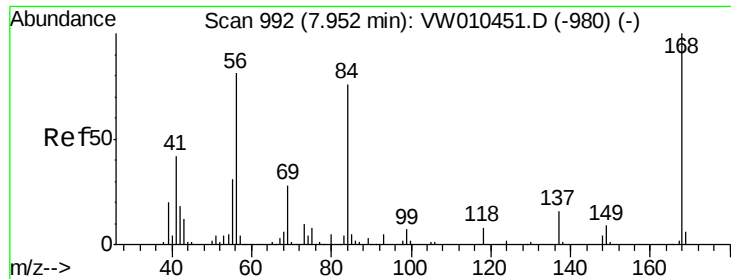
83 100

85 65.1 52.2 78.4



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

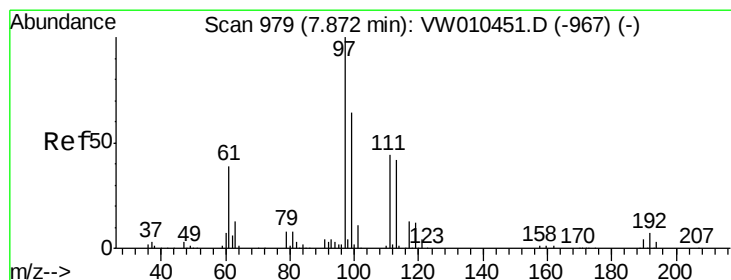
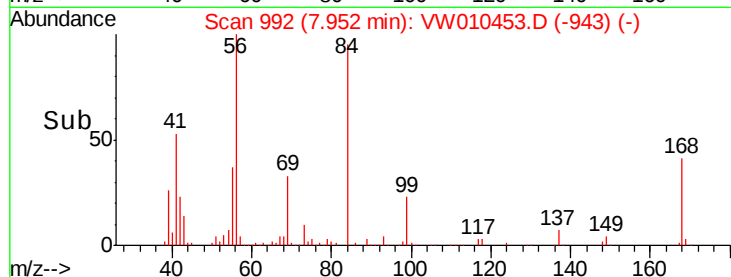
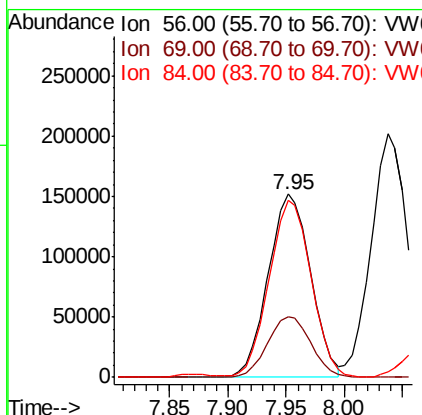
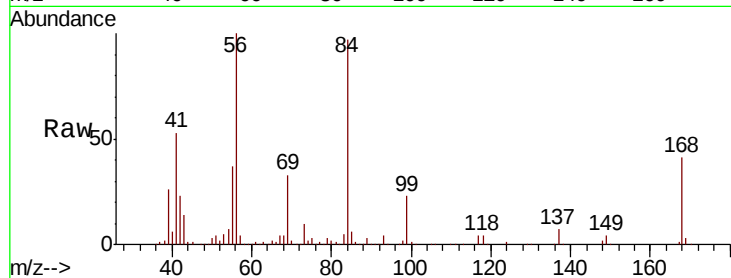




#31
Cyclohexane
Concen: 139.934 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

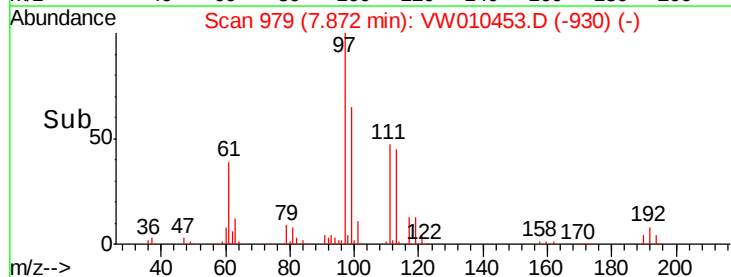
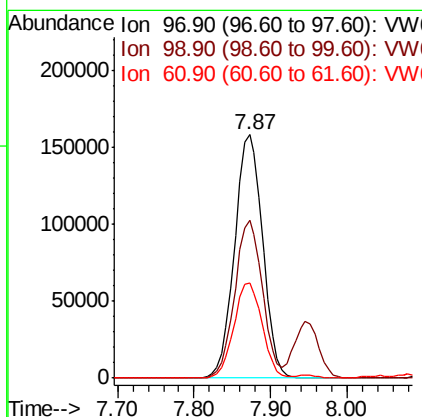
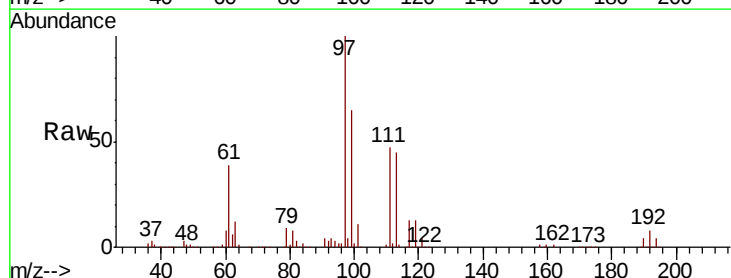
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

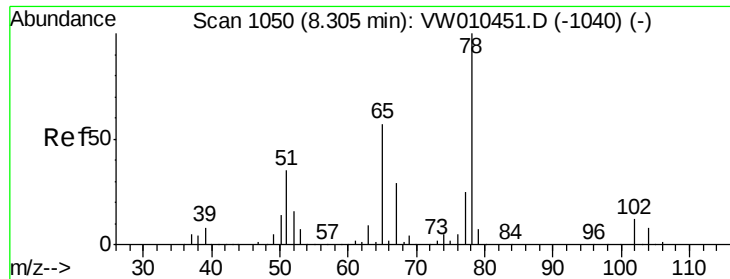
Tot Ion: 56 Resp: 383211
Ion Ratio Lower Upper
56 100
69 33.4 28.2 42.2
84 95.1 75.8 113.8



#32
1,1,1-Trichloroethane
Concen: 148.835 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 97 Resp: 401409
Ion Ratio Lower Upper
97 100
99 64.3 50.8 76.2
61 39.4 32.1 48.1

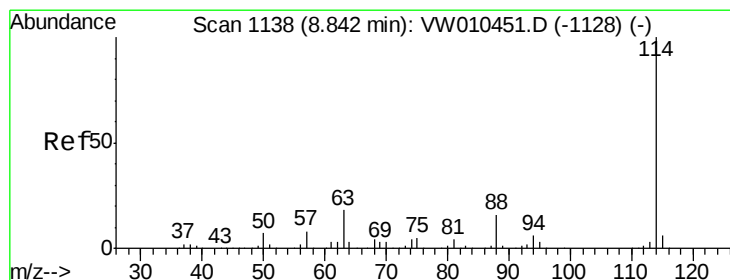
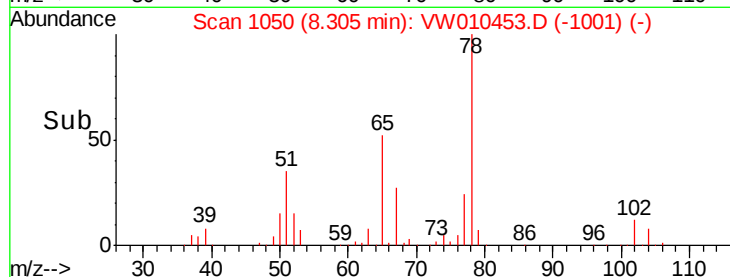
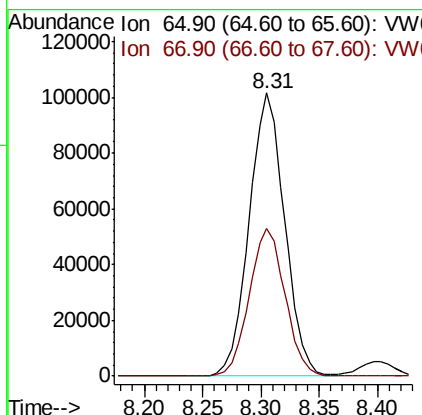
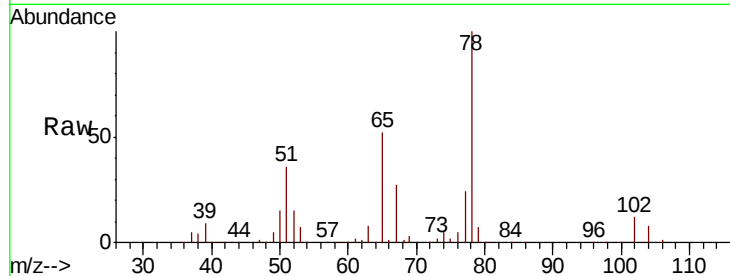




#33
 1,2-Dichloroethane-d4
 Concen: 142.305 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

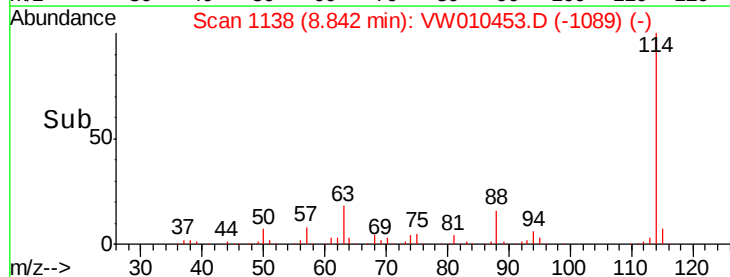
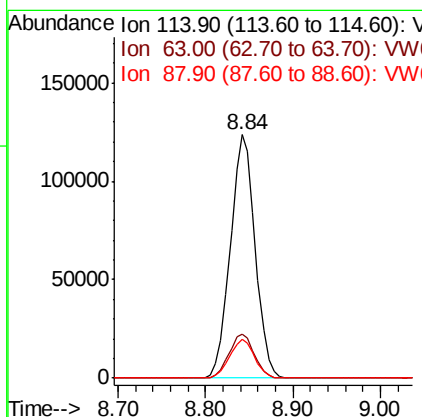
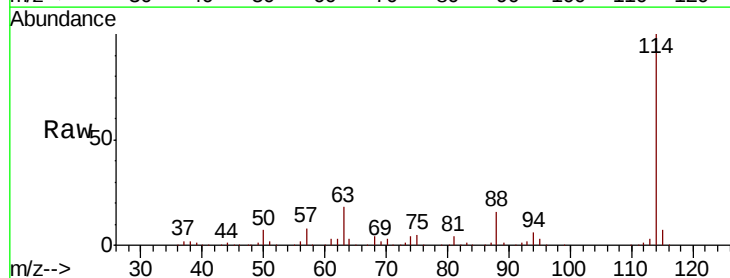
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

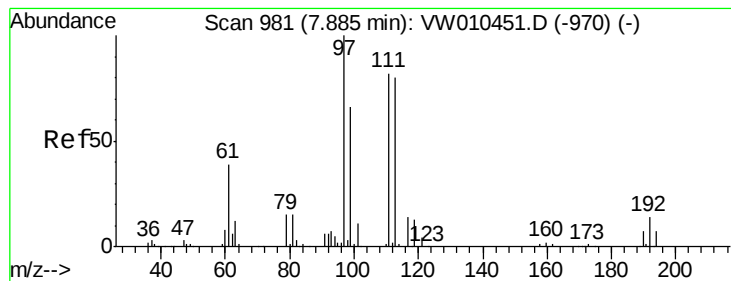
Tot Ion: 65 Resp: 216142
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion: 114 Resp: 243299
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 150.056 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

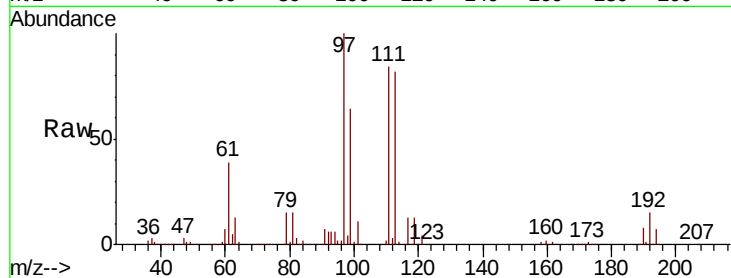
Tot Ion:113 Resp: 223791

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

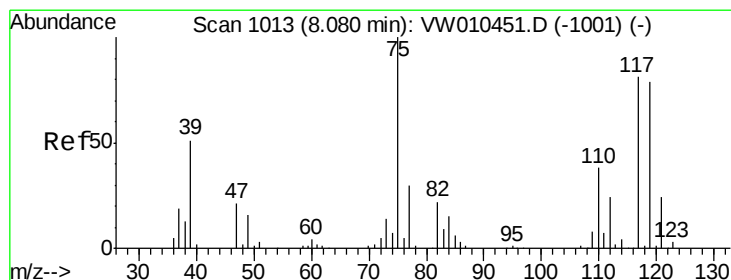
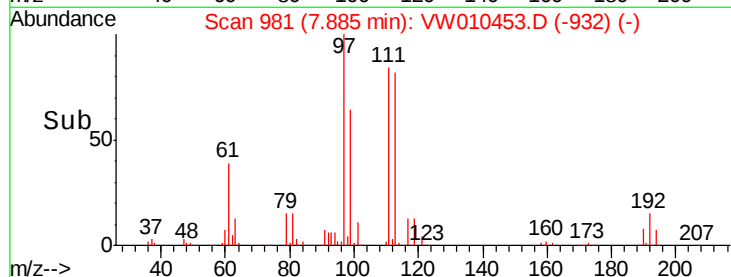
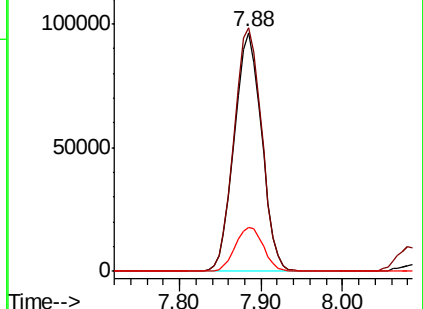
192 18.8 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 151.139 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

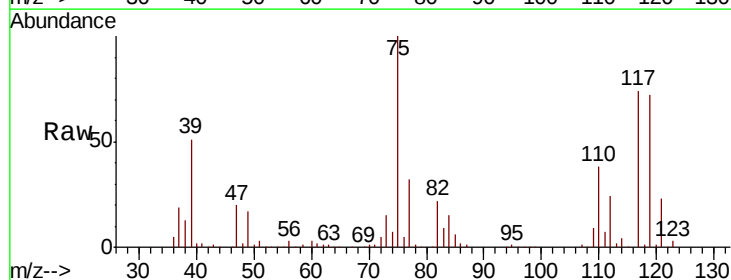
Tgt Ion: 75 Resp: 331167

Ion Ratio Lower Upper

75 100

110 38.5 19.2 57.6

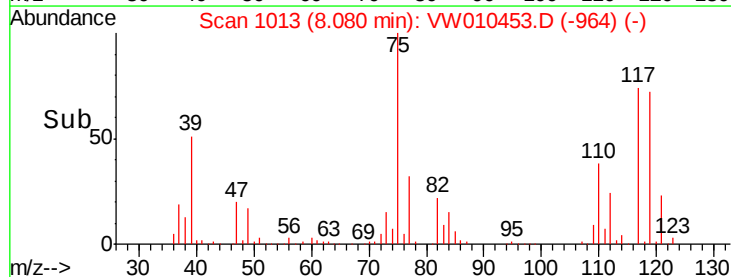
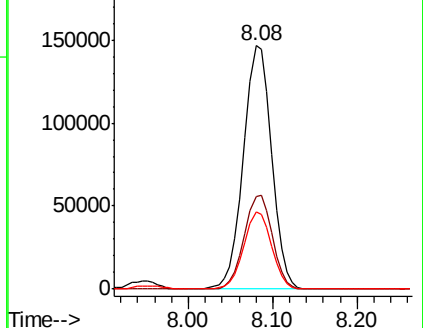
77 31.6 25.2 37.8

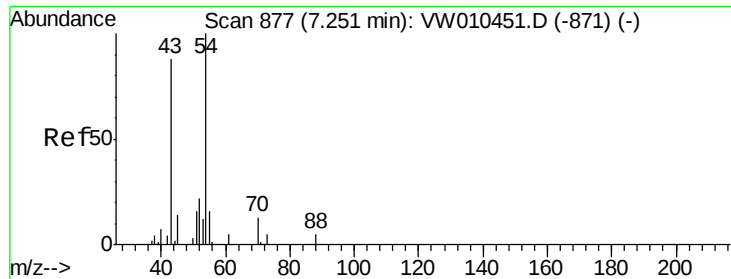


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

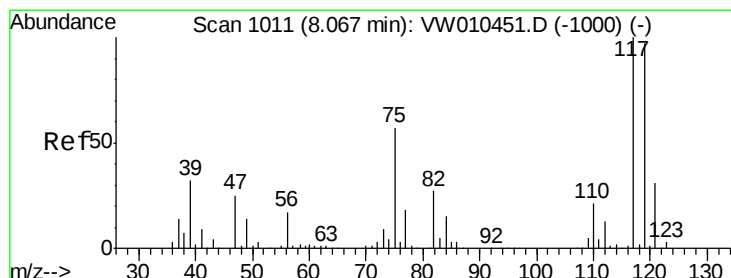
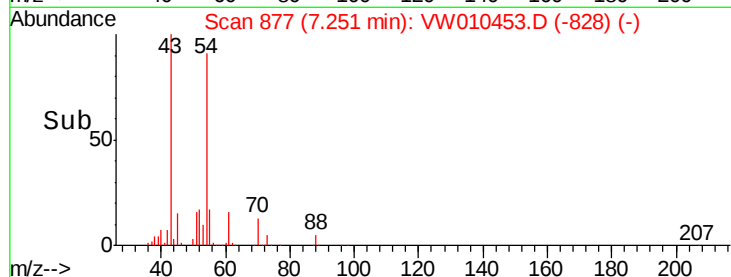
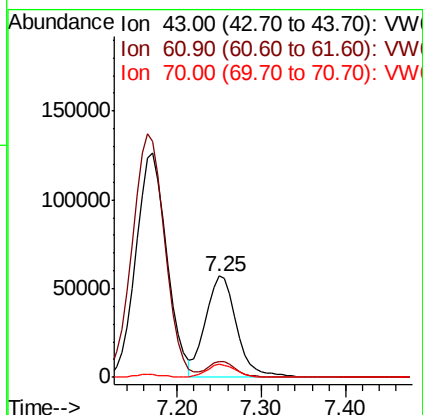
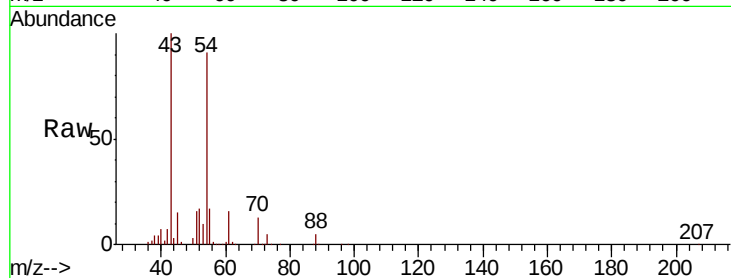




#37
Ethyl Acetate
Concen: 142.110 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

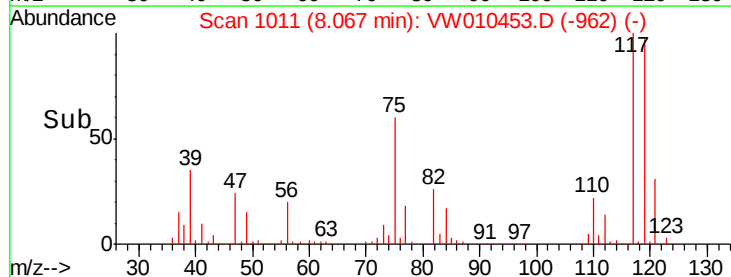
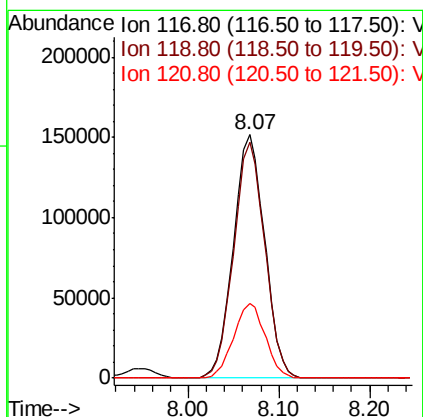
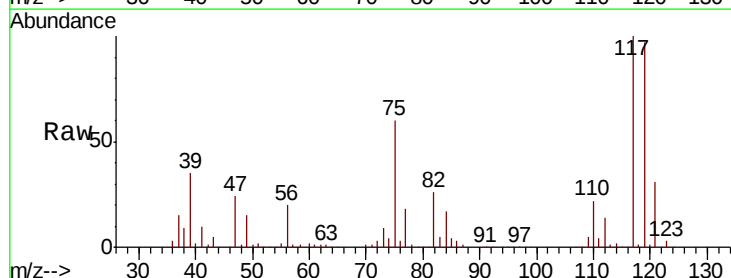
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

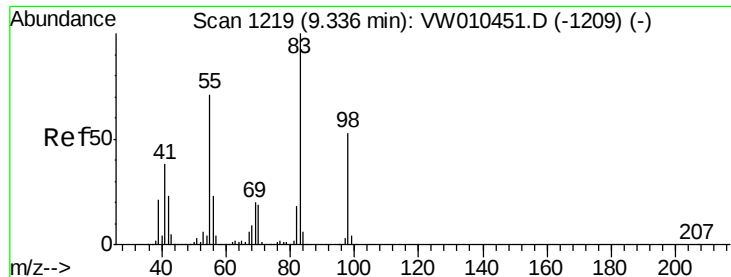
Tot Ion: 43 Resp: 145553
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 12.5 9.9 14.9



#38
Carbon Tetrachloride
Concen: 153.660 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 117 Resp: 363392
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.0
121 30.8 25.0 37.6

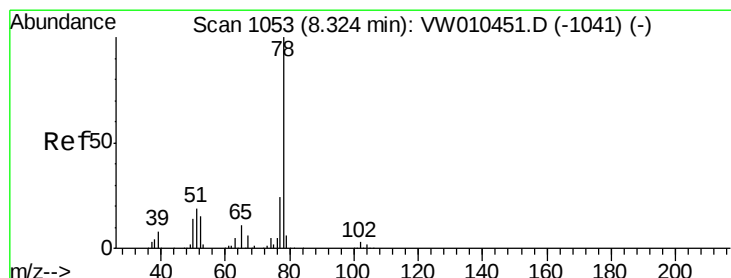
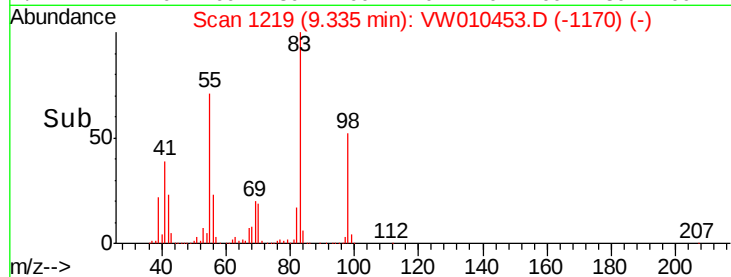
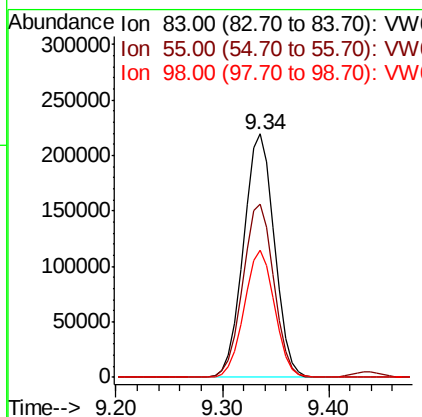
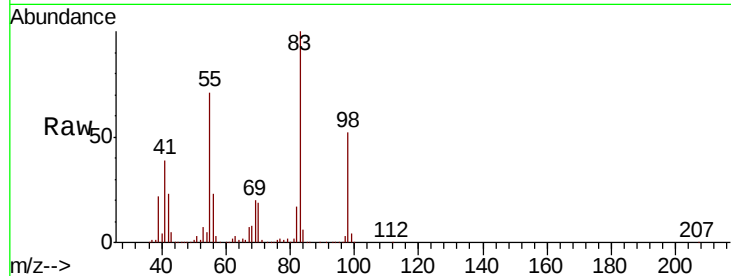




#39
Methvlcvclohexane
Concen: 152.420 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

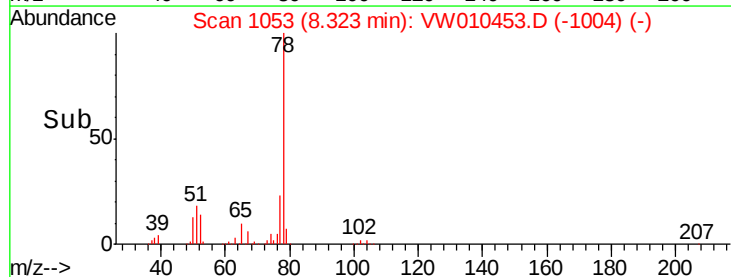
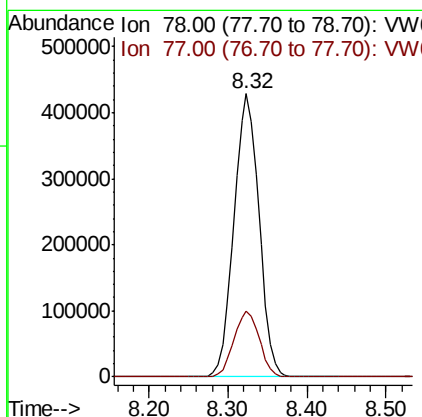
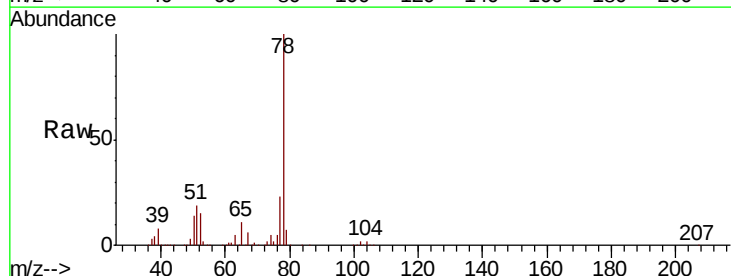
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

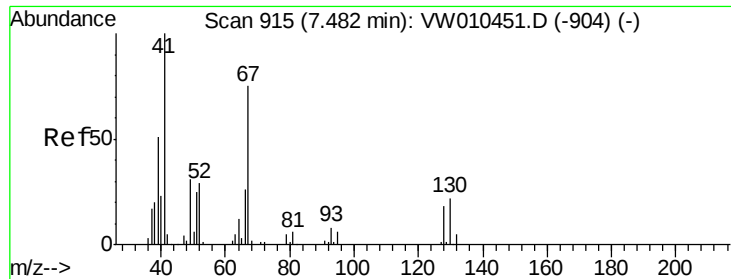
Tot Ion: 83 Resp: 447382
Ion Ratio Lower Upper
83 100
55 71.1 57.0 85.6
98 52.3 42.0 63.0



#40
Benzene
Concen: 151.557 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 78 Resp: 944899
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3

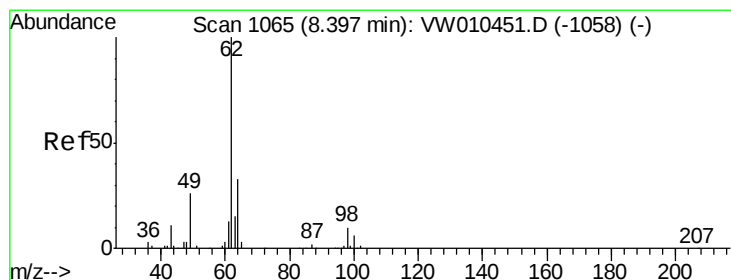
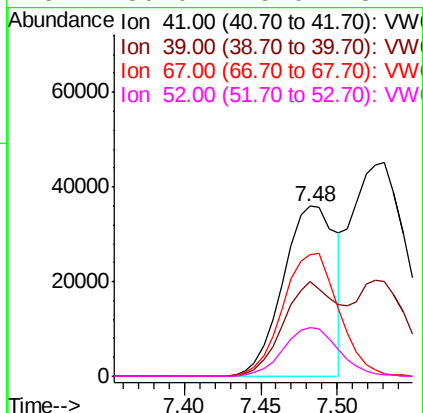
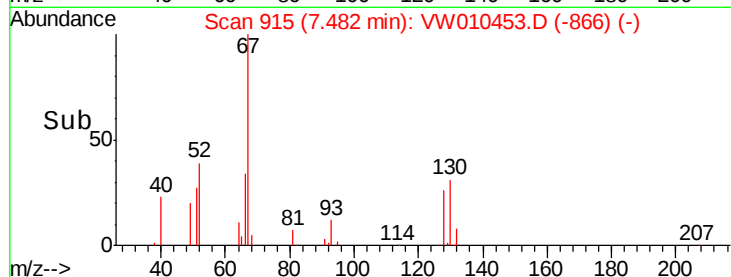
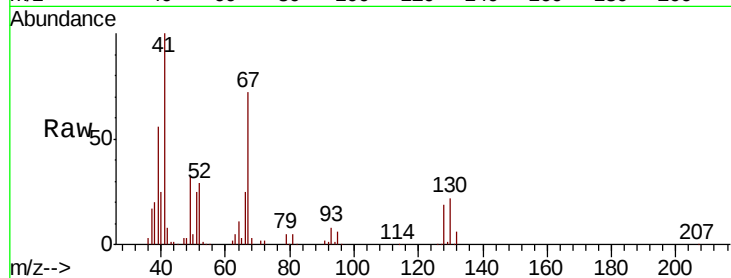




#41
Methacrylonitrile
Concen: 144.892 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

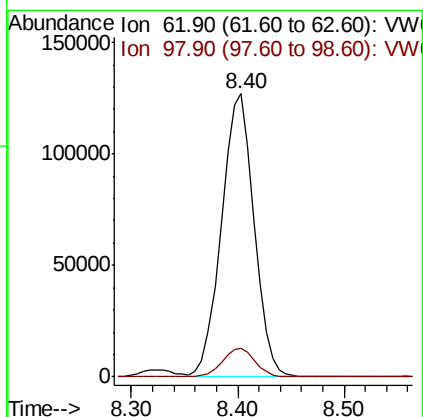
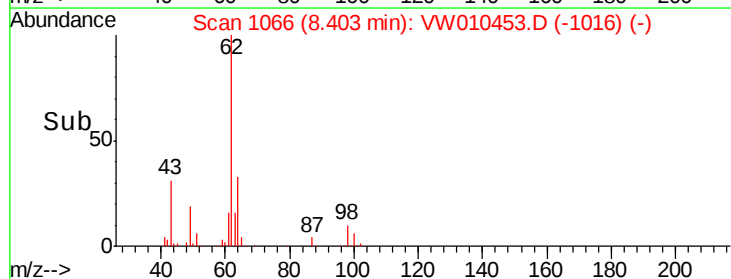
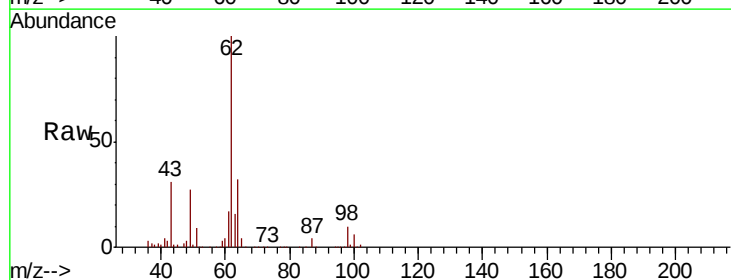
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

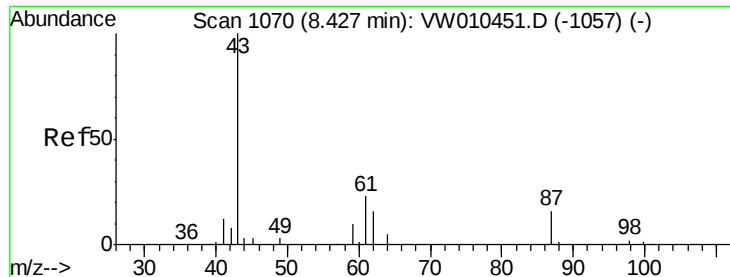
Tot Ion:	41	Resp:	86466
Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.4	71.2
67	76.5	65.5	98.3
52	30.0	25.0	37.4



#42
1,2-Dichloroethane
Concen: 147.599 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:	62	Resp:	271233
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 142.403 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

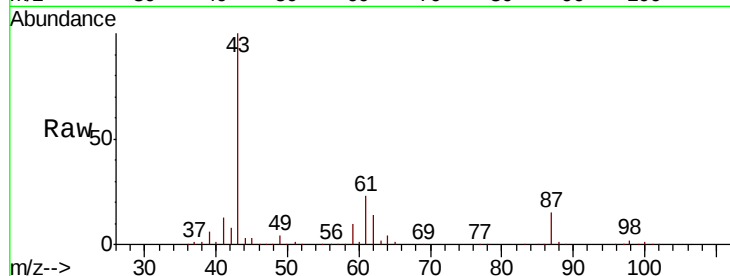
Tot Ion: 43 Resp: 295286

Ion Ratio Lower Upper

43 100

61 31.2 25.4 38.2

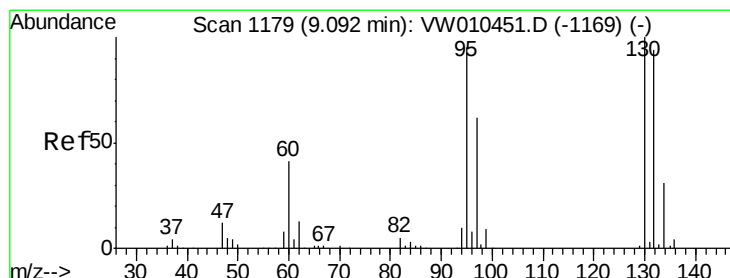
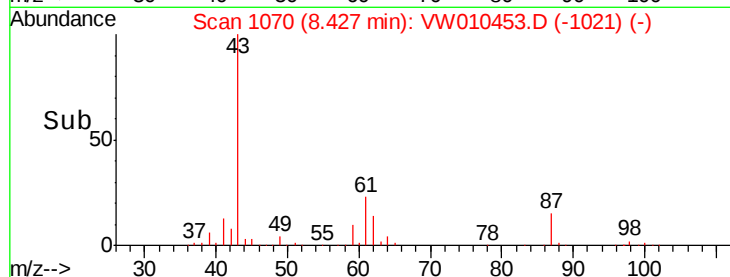
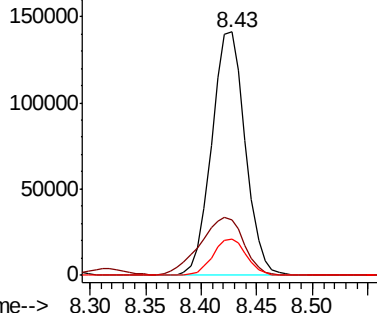
87 15.2 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 157.385 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010453.D

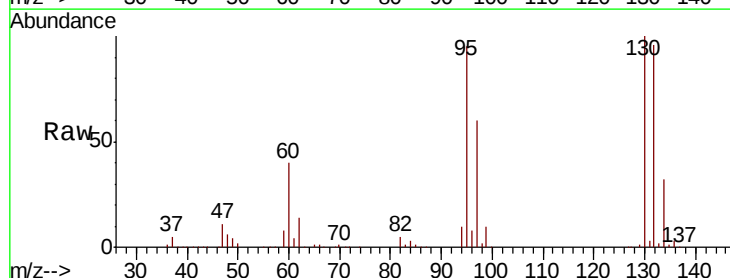
Acq: 20 May 2019 17:20

Tgt Ion:130 Resp: 282165

Ion Ratio Lower Upper

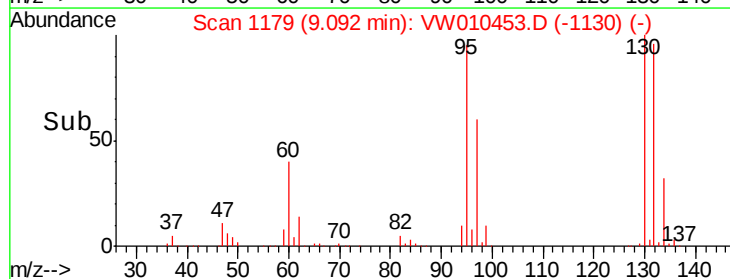
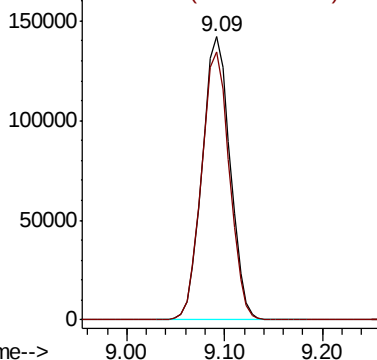
130 100

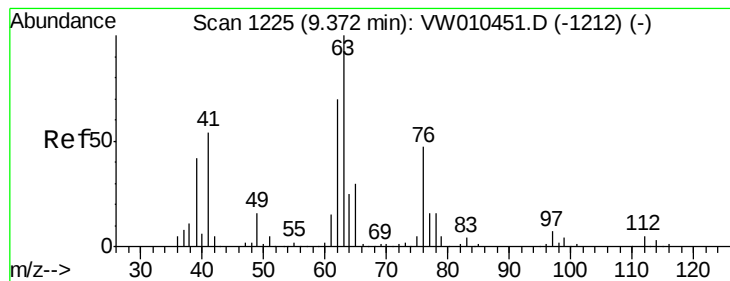
95 94.8 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 150.835 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

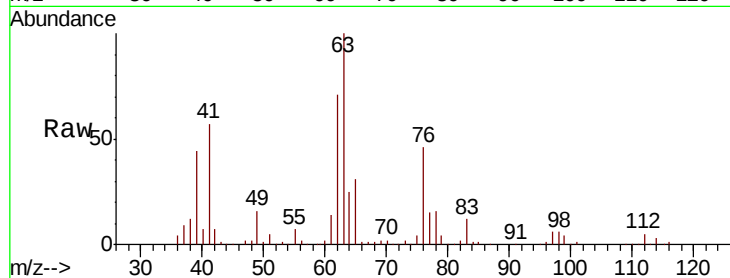
VSTDIC150

Tot Ion: 63 Resp: 228242

Ion Ratio Lower Upper

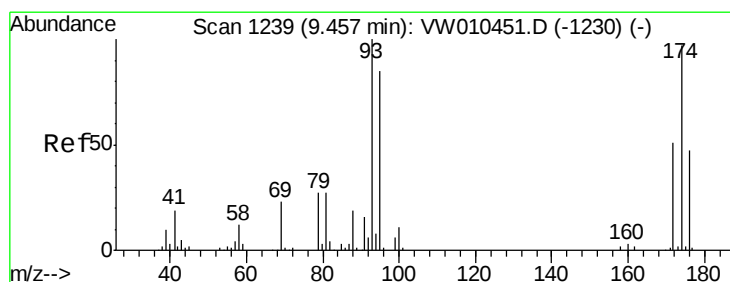
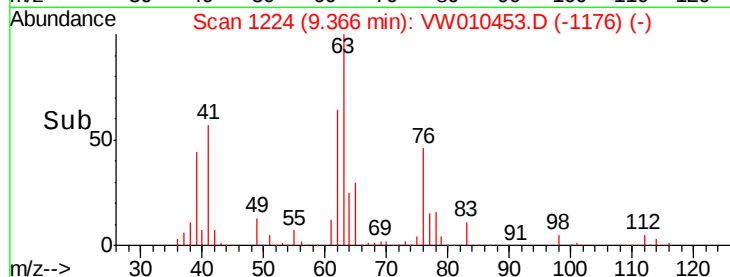
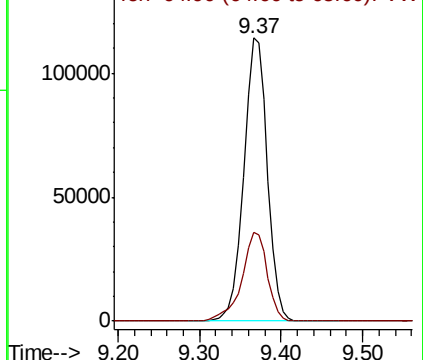
63 100

65 31.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 148.052 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

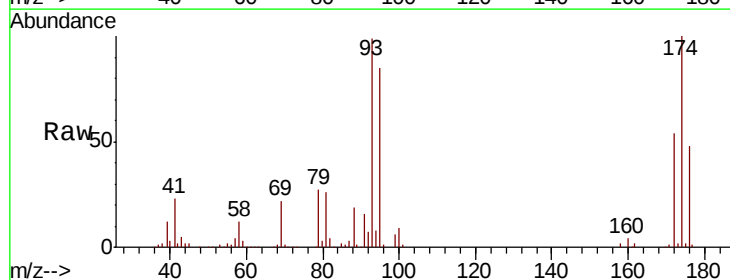
Tgt Ion: 93 Resp: 131829

Ion Ratio Lower Upper

93 100

95 83.9 66.1 99.1

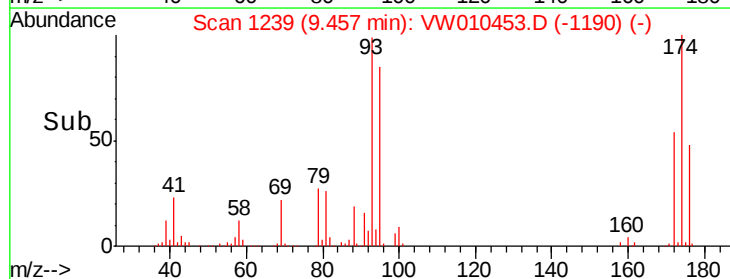
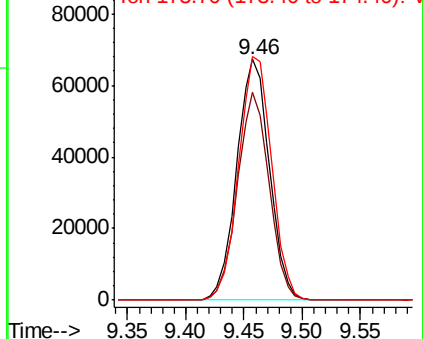
174 102.1 77.1 115.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 152.037 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

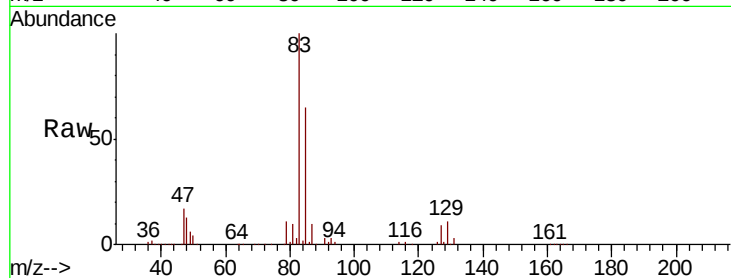
Tot Ion: 83 Resp: 337965

Ion Ratio Lower Upper

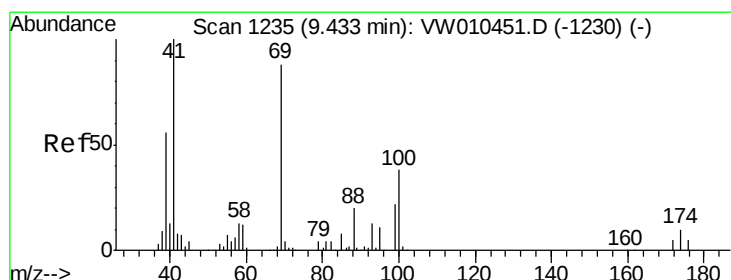
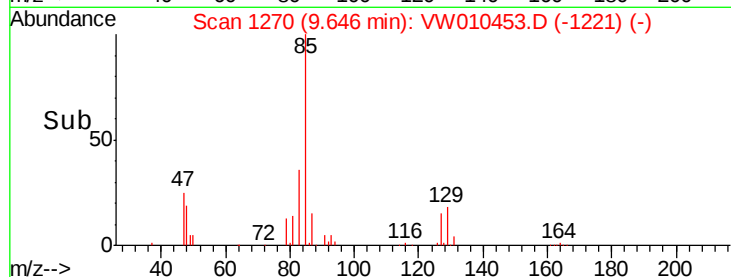
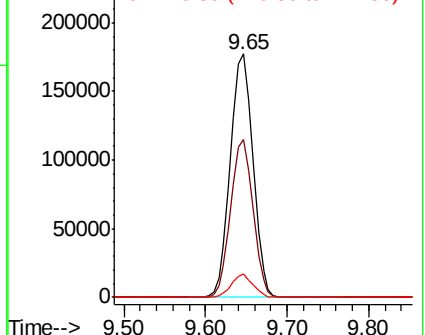
83 100

85 65.0 50.4 75.6

127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 140.374 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

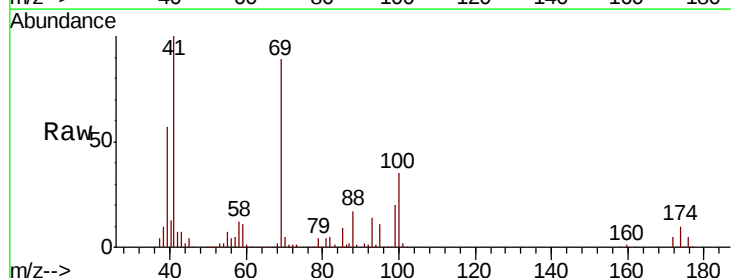
Tgt Ion: 41 Resp: 134544

Ion Ratio Lower Upper

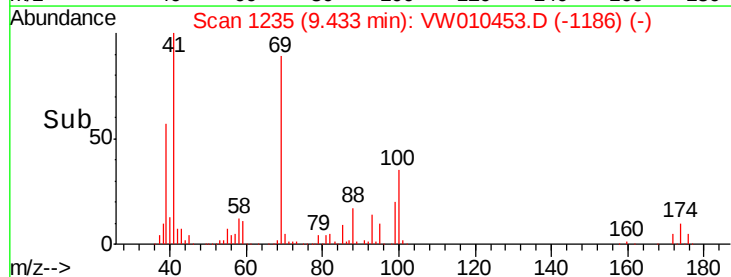
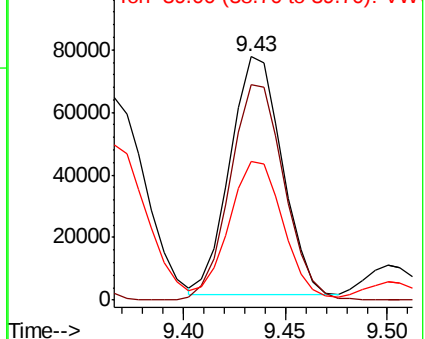
41 100

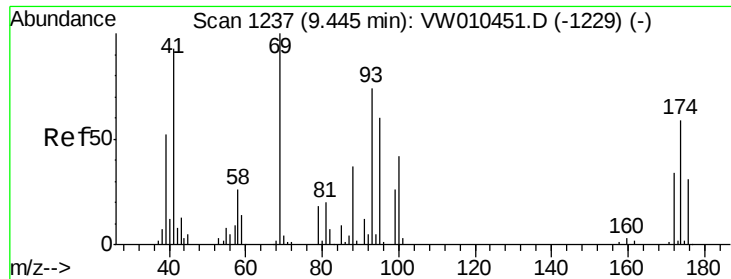
69 94.3 77.6 116.4

39 58.3 49.8 74.8



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

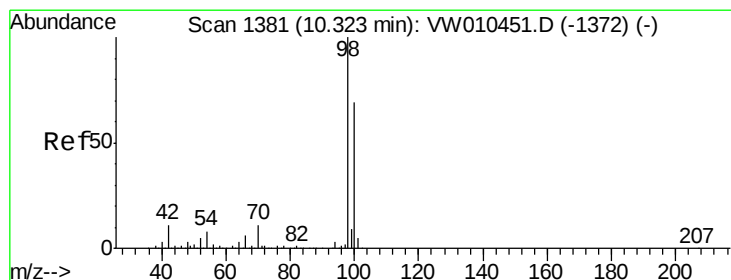
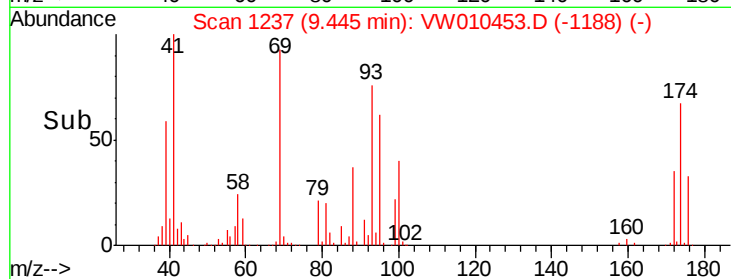
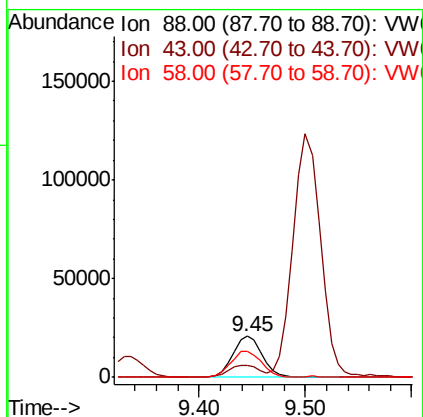
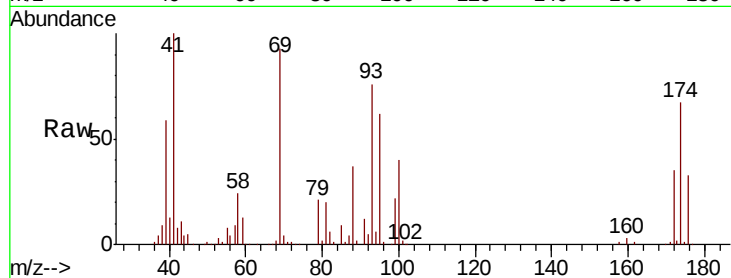




#49
1,4-Dioxane
Concen: 3073.940 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

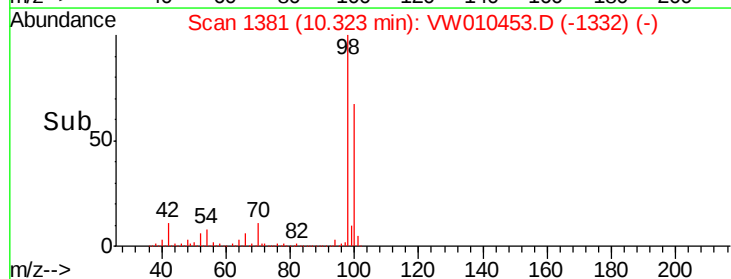
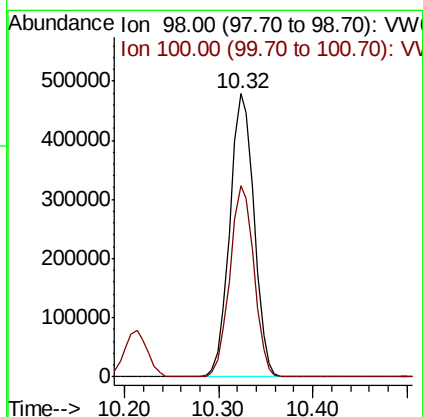
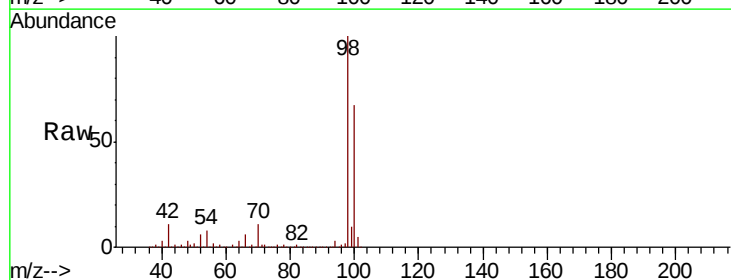
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

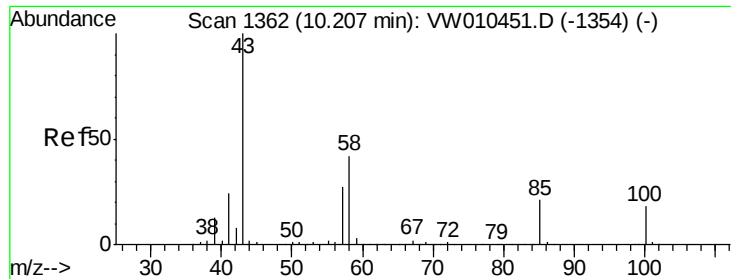
Tot Ion: 88 Resp: 40515
Ion Ratio Lower Upper
88 100
43 30.6 25.9 38.9
58 67.0 52.7 79.1



#50
Toluene-d8
Concen: 152.931 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 98 Resp: 853254
Ion Ratio Lower Upper
98 100
100 67.3 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 694.392 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

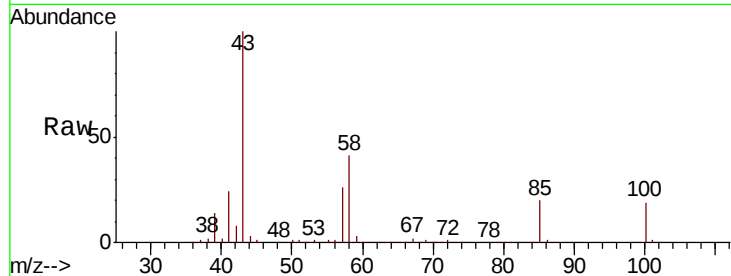
VSTDIC150

Tot Ion: 43 Resp: 737552

Ion Ratio Lower Upper

43 100

58 41.1 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

400000

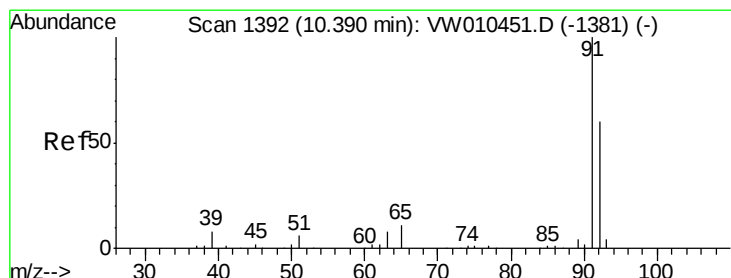
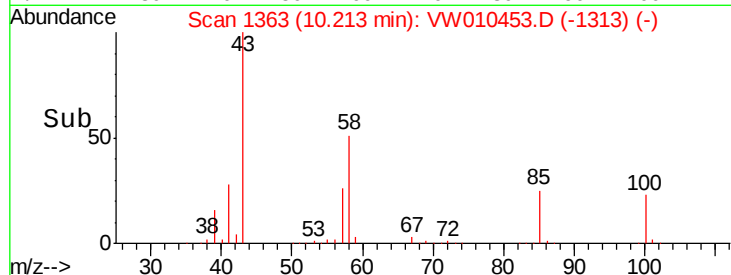
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 154.697 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010453.D

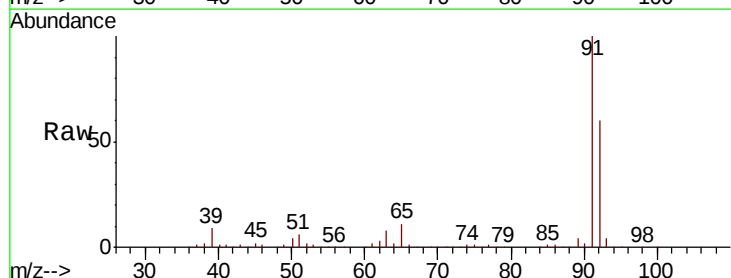
Acq: 20 May 2019 17:20

Tgt Ion: 92 Resp: 640497

Ion Ratio Lower Upper

92 100

91 168.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

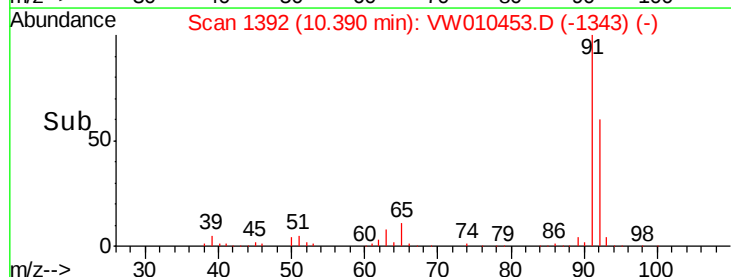
600000

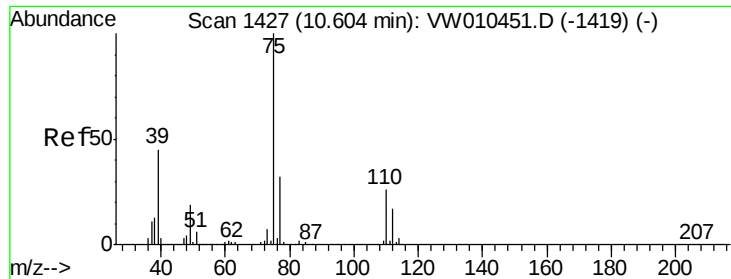
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 150.105 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

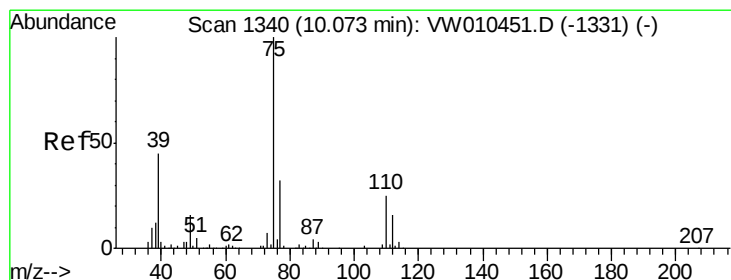
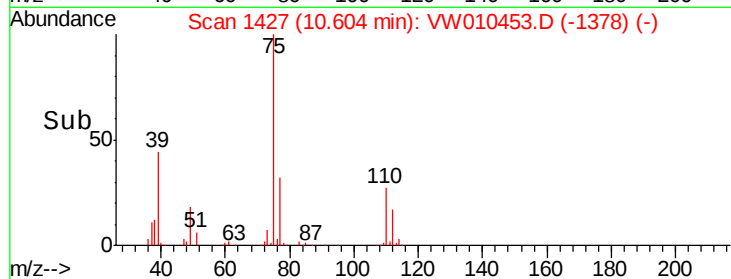
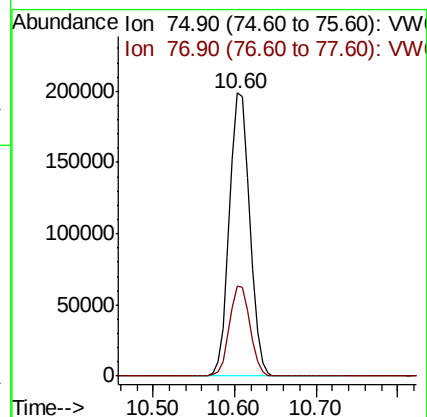
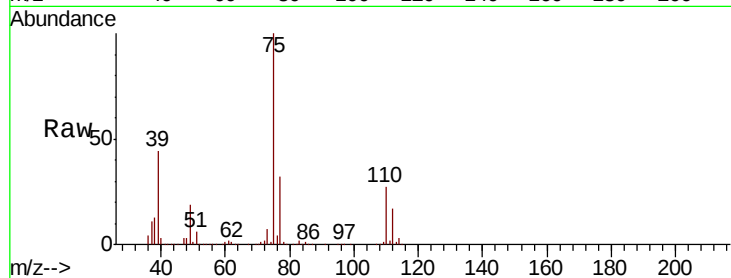
VSTDIC150

Tot Ion: 75 Resp: 342790

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 151.174 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

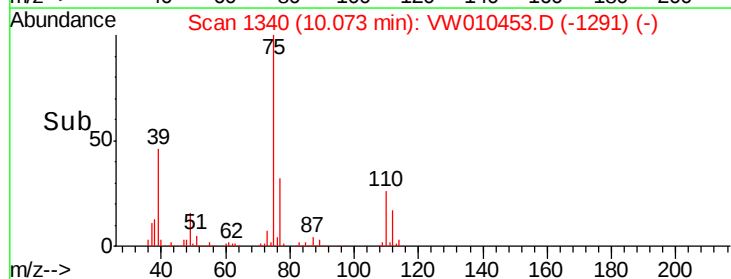
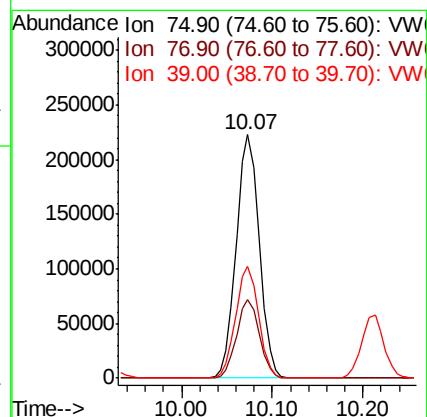
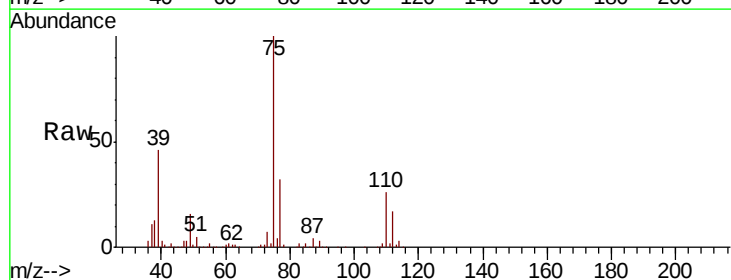
Tgt Ion: 75 Resp: 392560

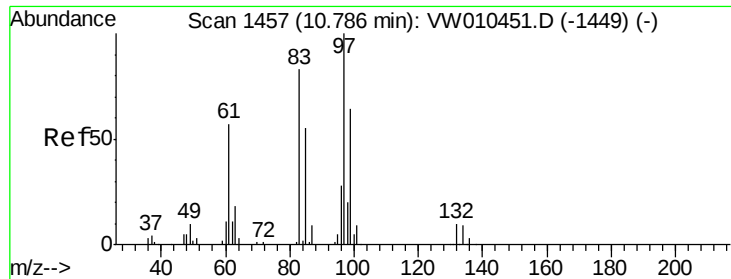
Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5

39 45.6 36.2 54.4

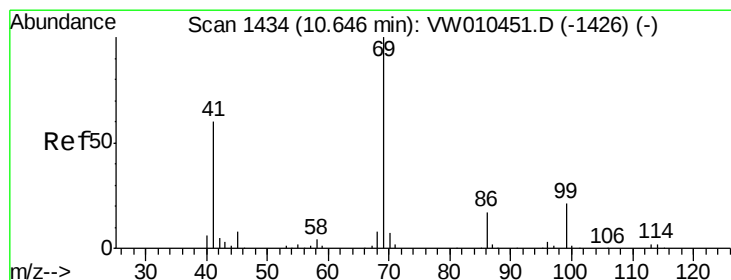
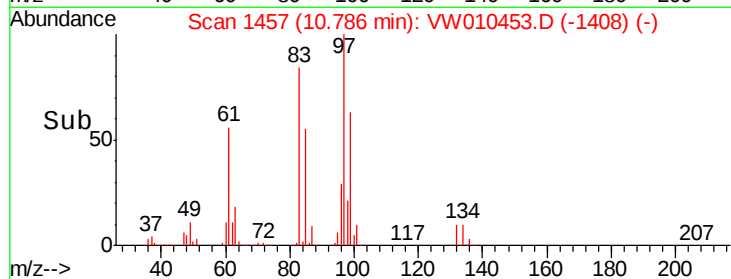
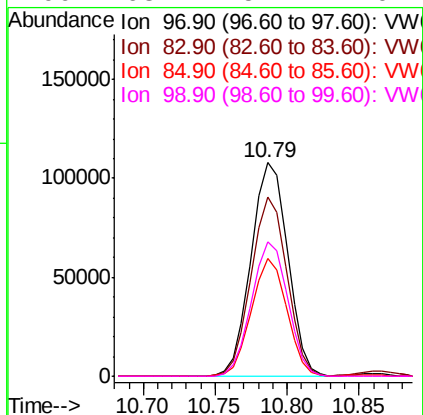
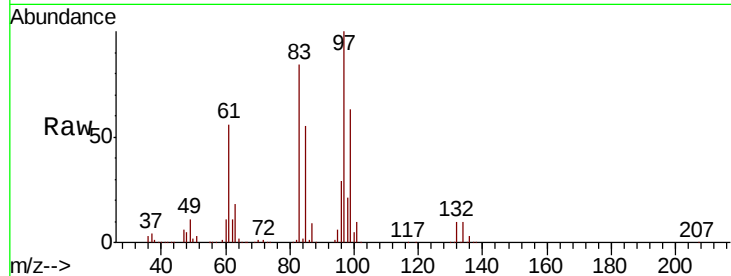




#55
 1,1,2-Trichloroethane
 Concen: 148.773 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

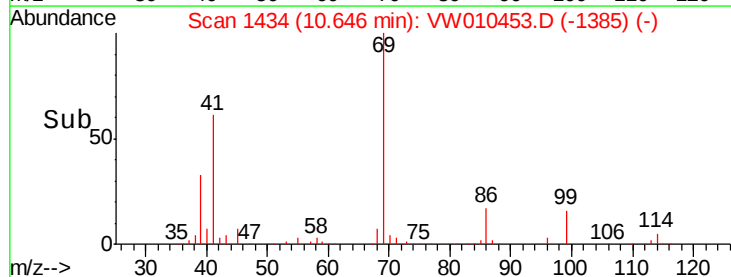
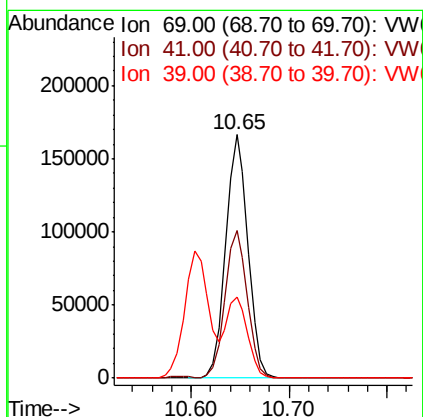
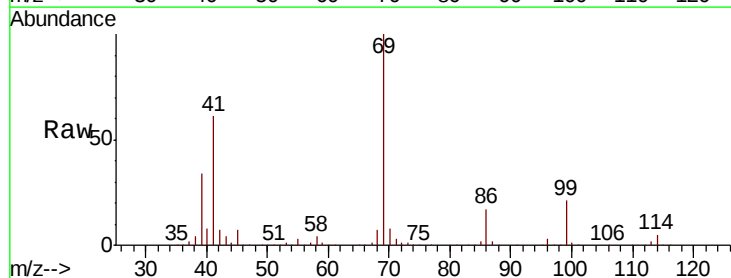
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

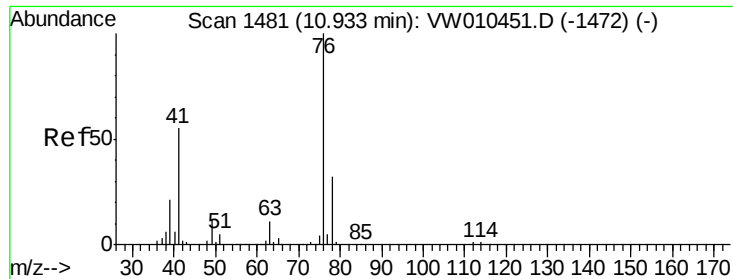
Tot Ion:	97	Resp:	191083
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.1	99.1
85	55.0	44.2	66.4
99	63.2	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 145.684 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion:	69	Resp:	261295
Ion	Ratio	Lower	Upper
69	100		
41	60.4	47.7	71.5
39	32.2	25.3	37.9

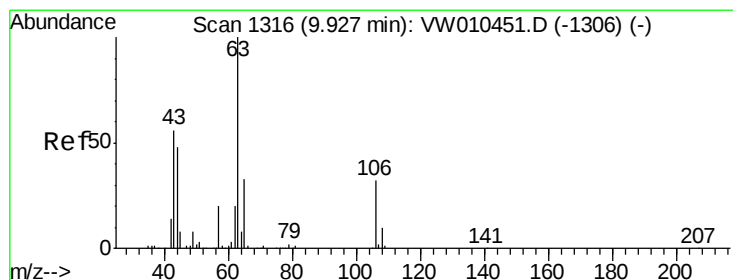
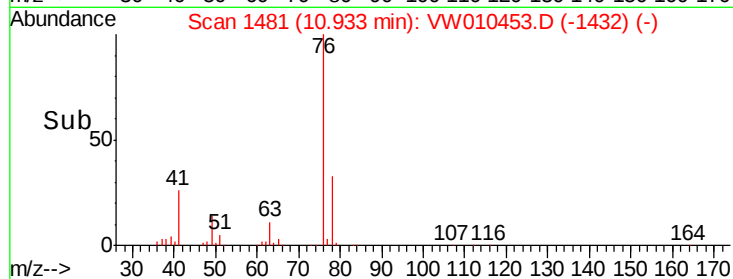
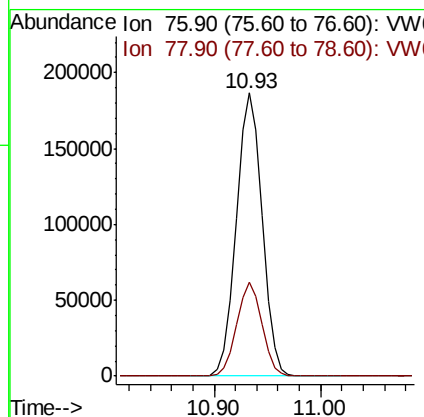
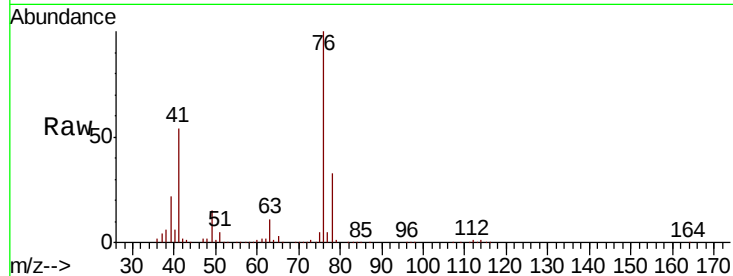




#57
 1,3-Dichloropropane
 Concen: 147.379 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

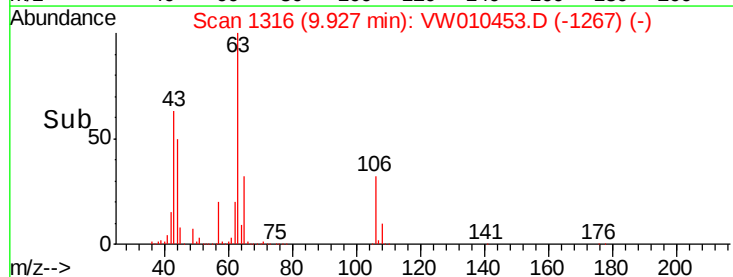
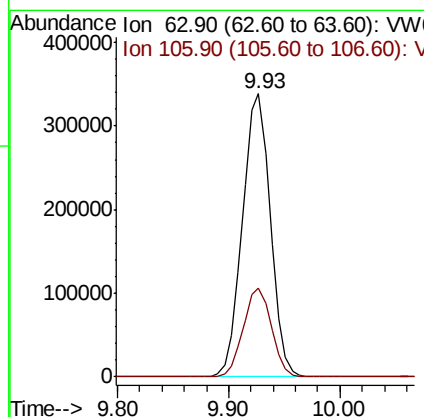
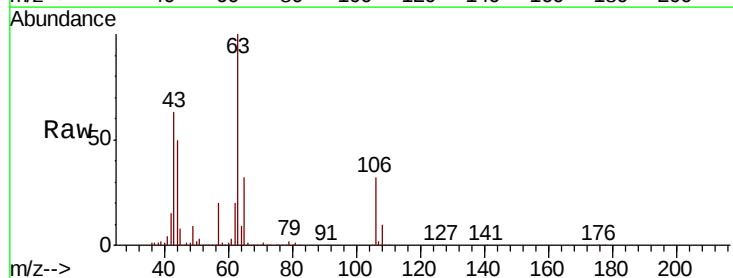
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

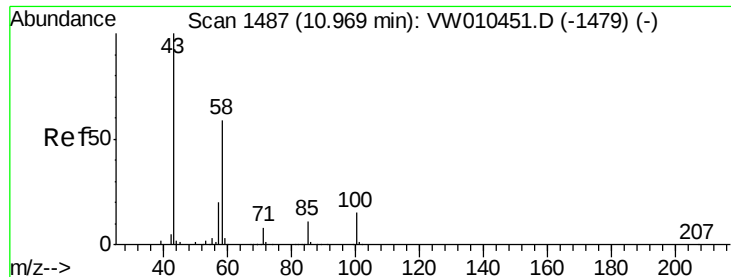
Tot Ion: 76 Resp: 317733
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 705.890 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion: 63 Resp: 589603
 Ion Ratio Lower Upper
 63 100
 106 31.7 25.8 38.6

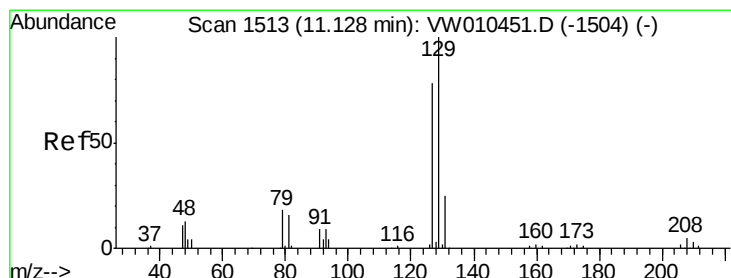
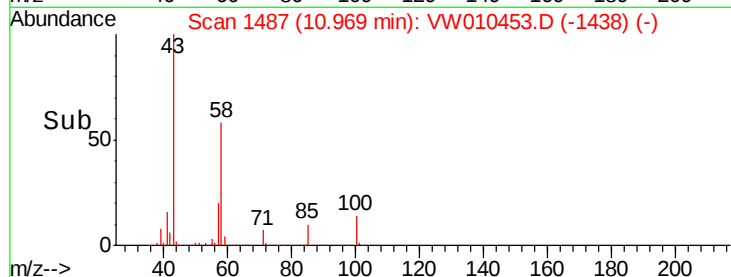
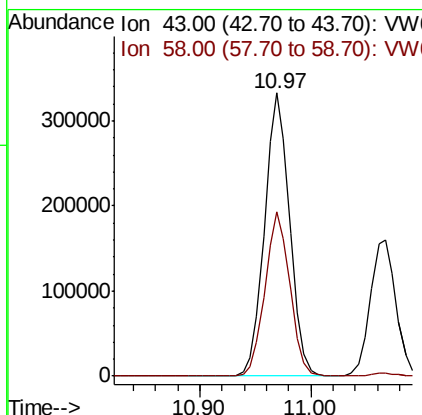
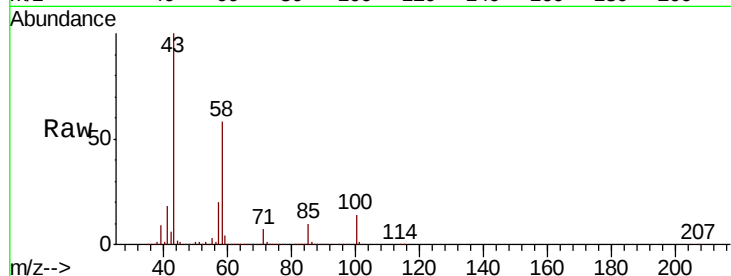




#59
2-Hexanone
Concen: 705.655 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

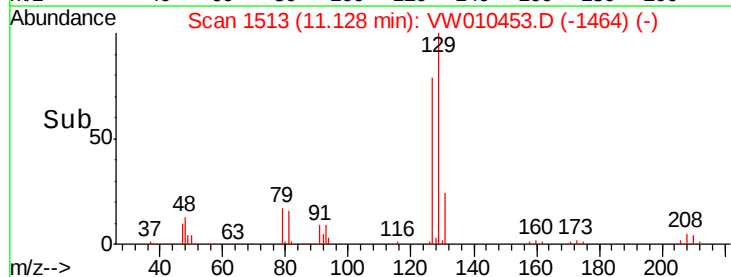
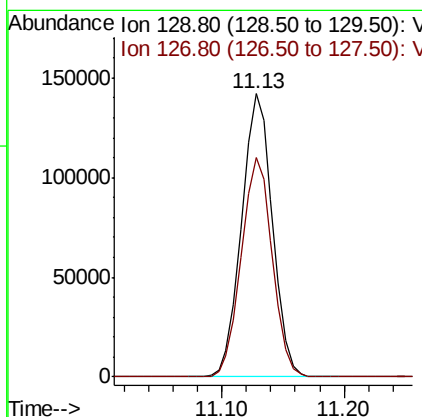
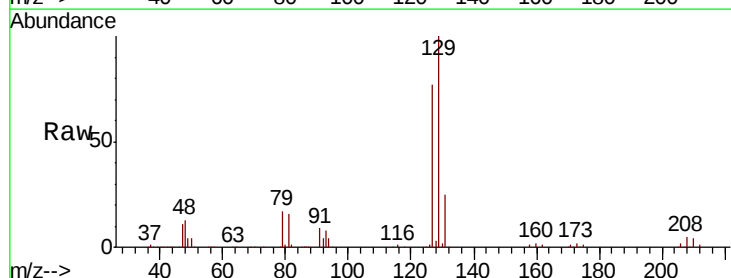
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

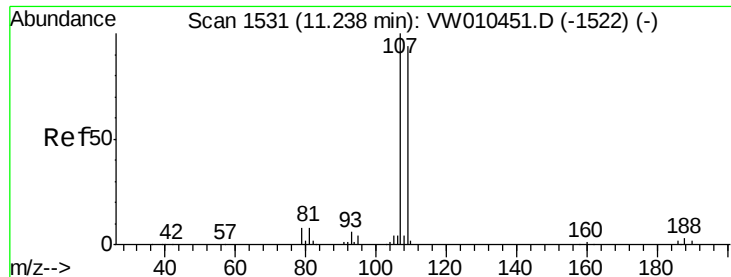
Tot Ion: 43 Resp: 523541
Ion Ratio Lower Upper
43 100
58 57.5 28.9 86.8



#60
Dibromochloromethane
Concen: 155.123 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 129 Resp: 247880
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7

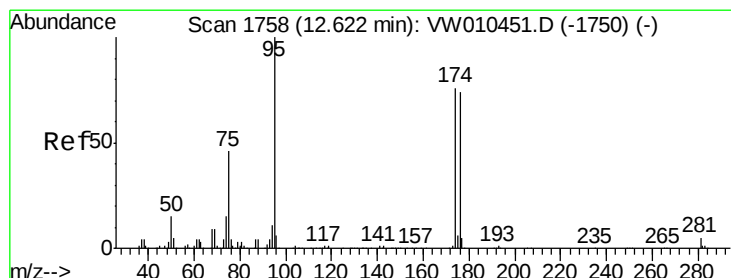
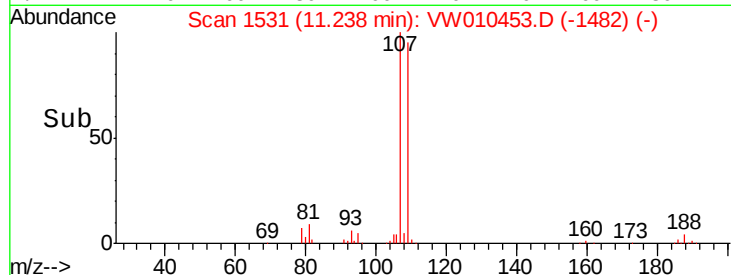
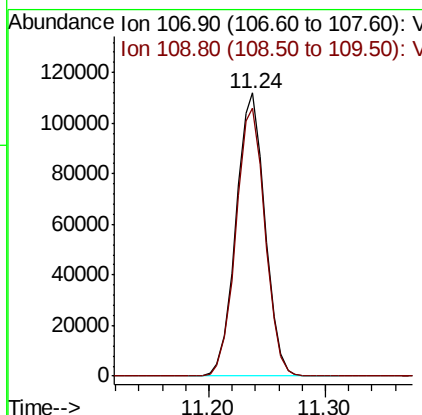
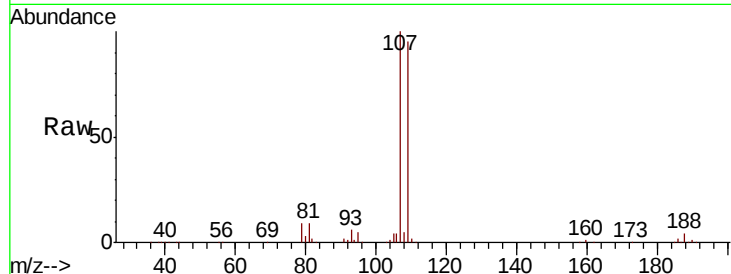




#61
 1,2-Dibromoethane
 Concen: 148.495 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

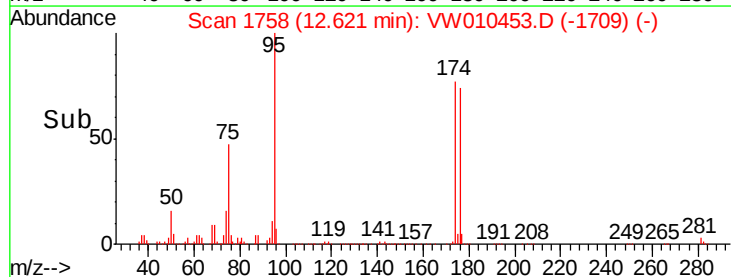
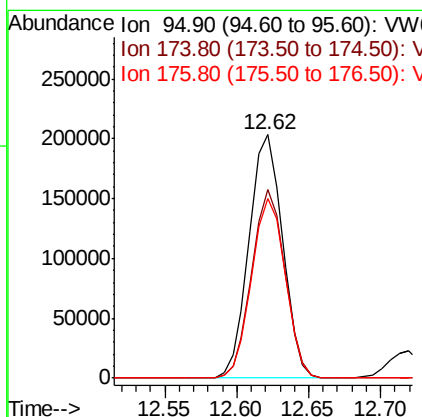
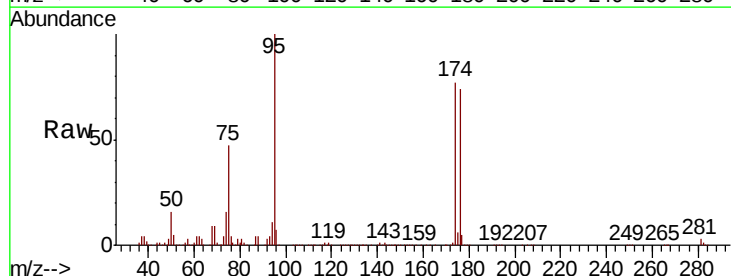
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

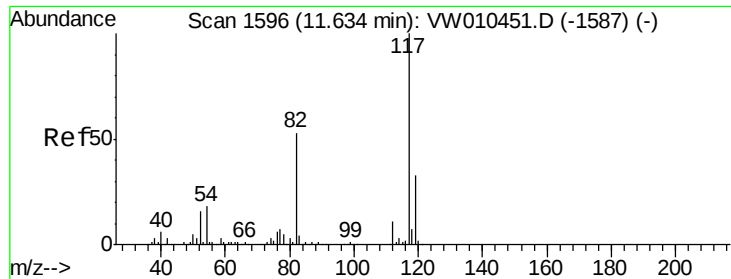
Tot Ion:107 Resp: 193687
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 149.842 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion: 95 Resp: 328390
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 148.6
 176 74.1 0.0 144.2

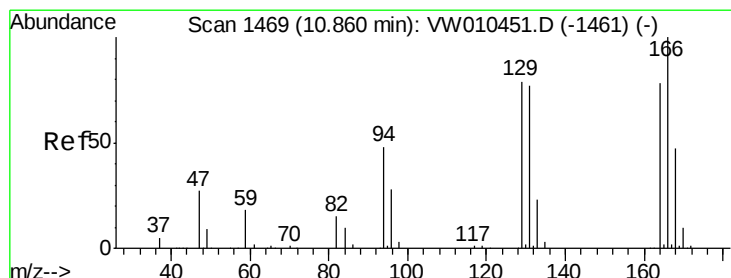
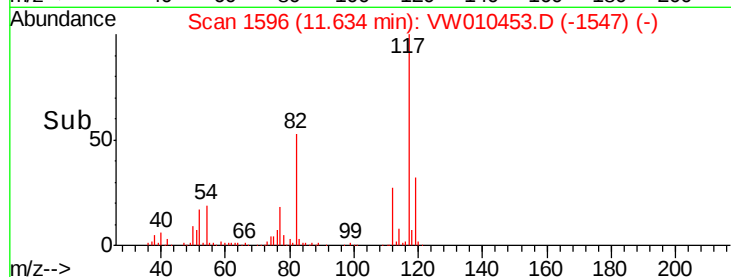
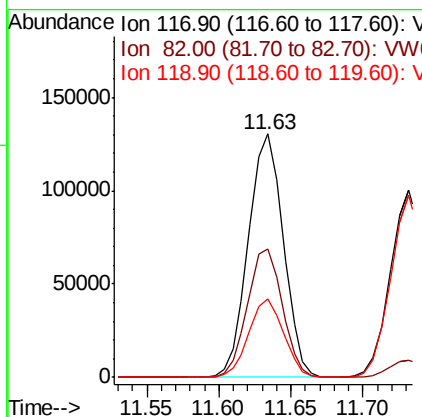
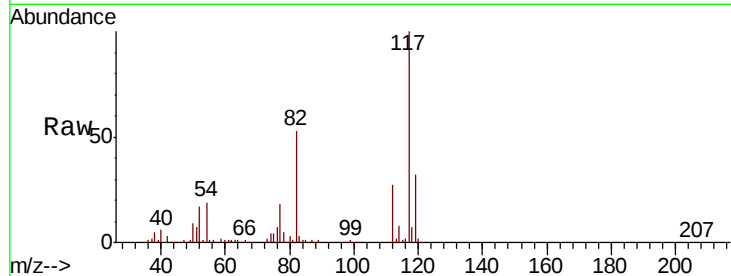




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

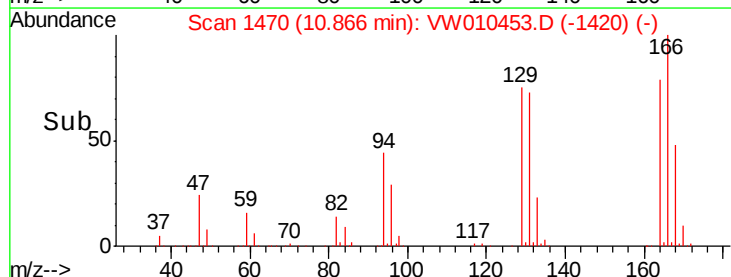
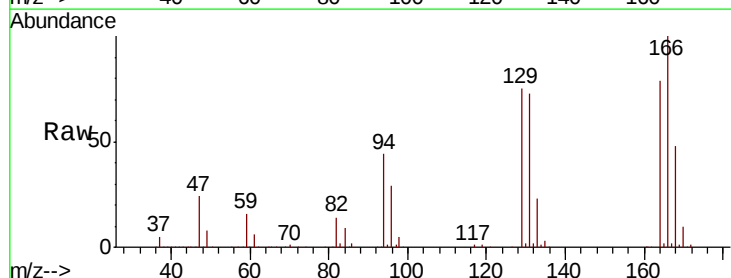
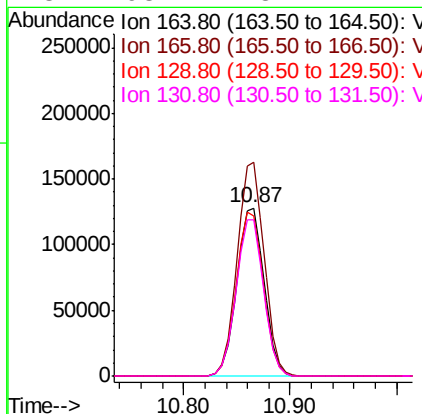
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

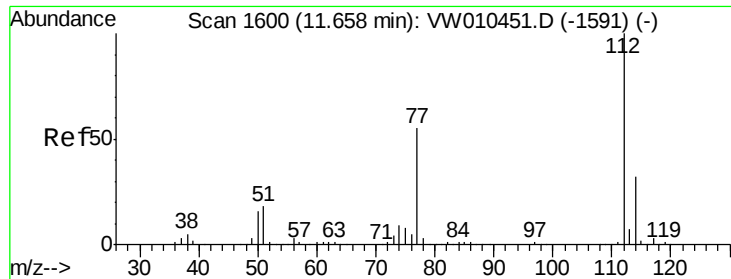
Tot Ion:117 Resp: 219187
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 32.2 26.3 39.5



#64
Tetrachloroethene
Concen: 156.716 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:164 Resp: 229667
Ion Ratio Lower Upper
164 100
166 127.3 101.9 152.9
129 95.7 80.6 121.0
131 93.1 78.2 117.2

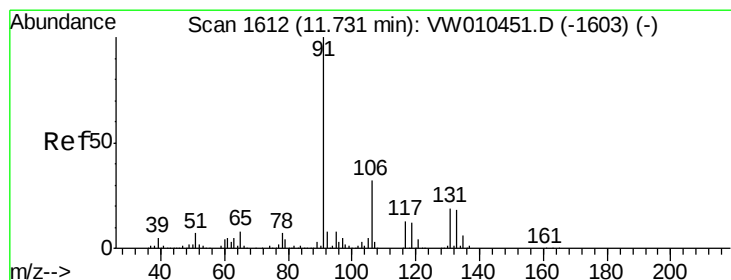
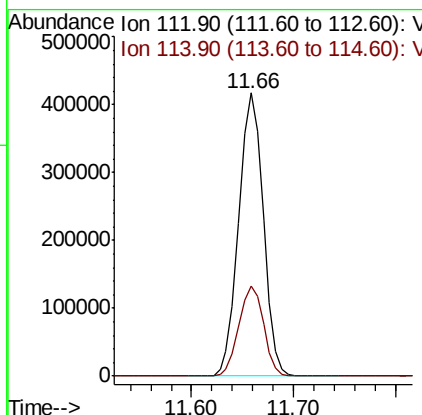
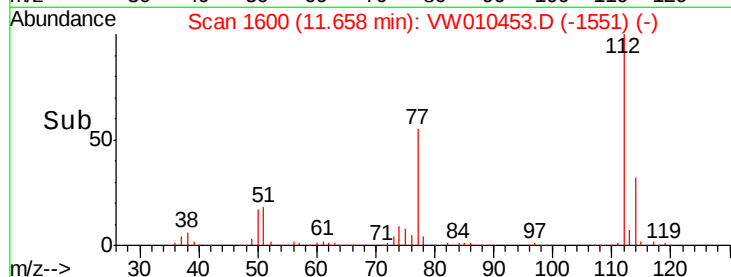
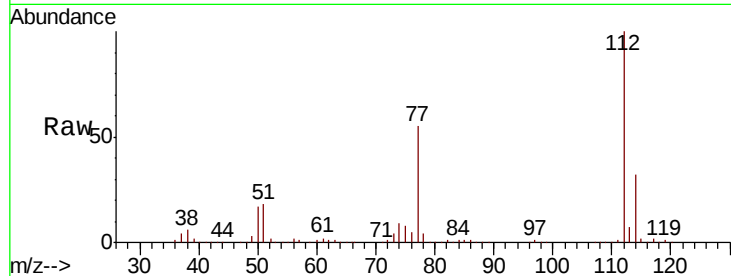




#65
Chlorobenzene
Concen: 154.096 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

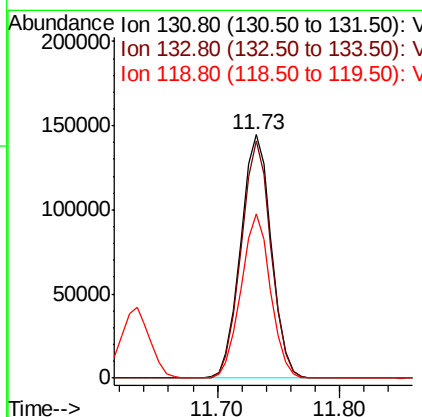
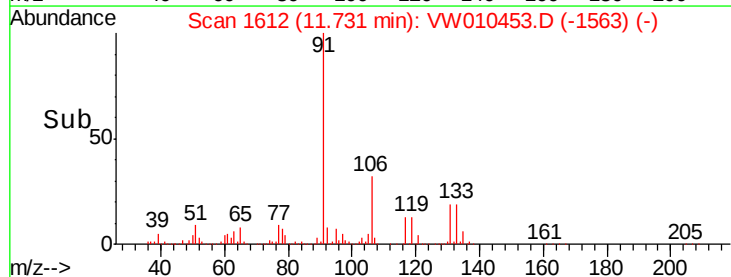
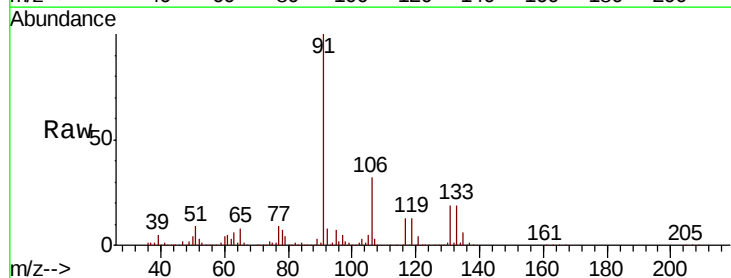
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

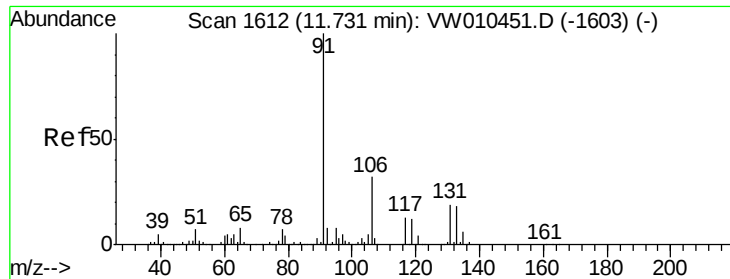
Tot Ion:112 Resp: 694317
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 150.393 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:131 Resp: 249825
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 65.2 32.1 96.5

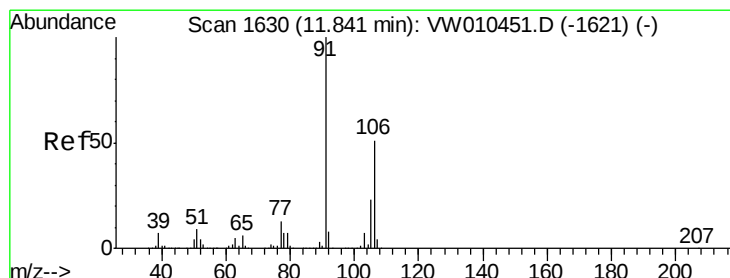
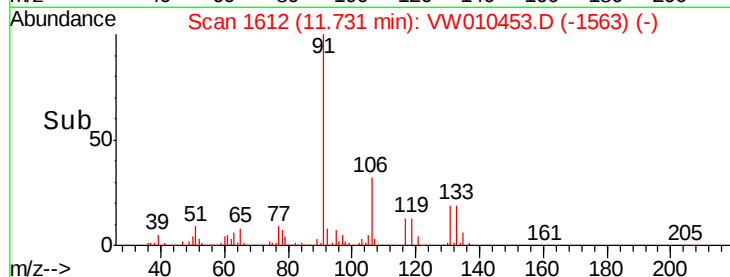
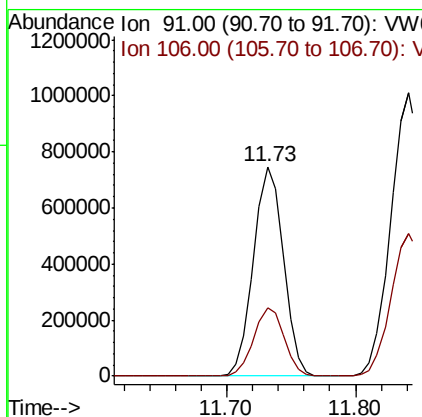
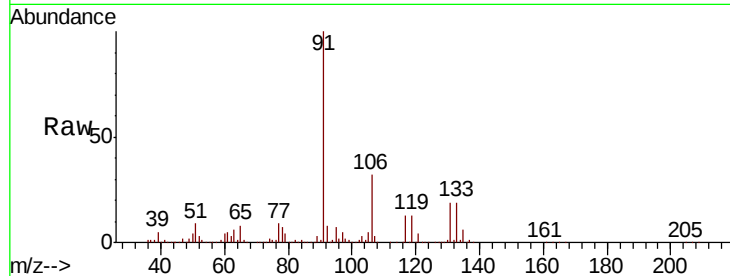




#67
Ethyl Benzene
Concen: 151.162 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

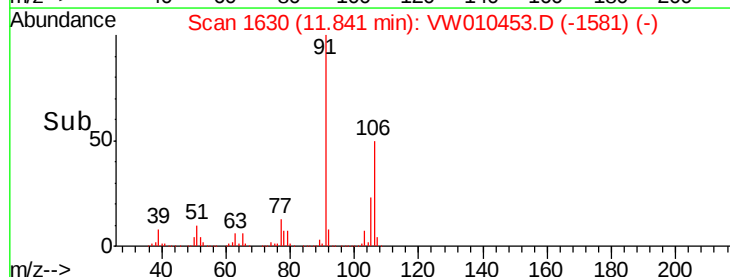
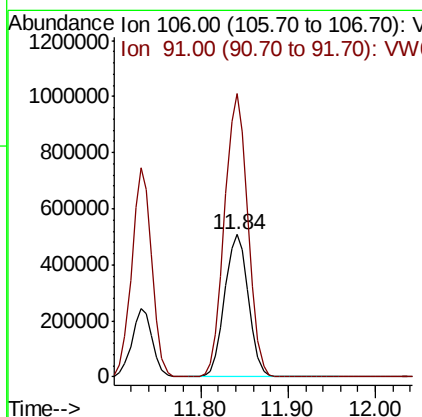
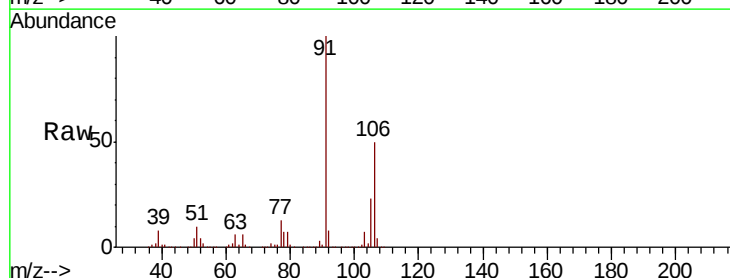
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

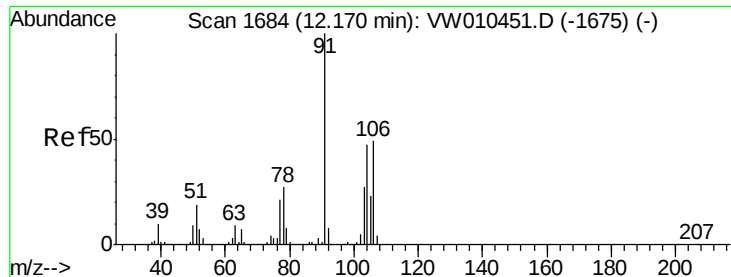
Tot Ion: 91 Resp: 1203089
Ion Ratio Lower Upper
91 100
106 32.5 25.9 38.9



#68
m/p-Xylenes
Concen: 305.775 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 106 Resp: 953050
Ion Ratio Lower Upper
106 100
91 196.0 156.0 234.0

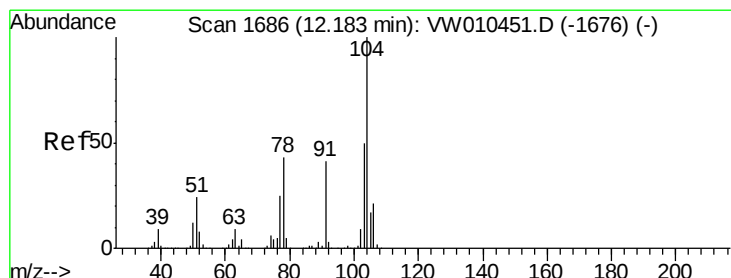
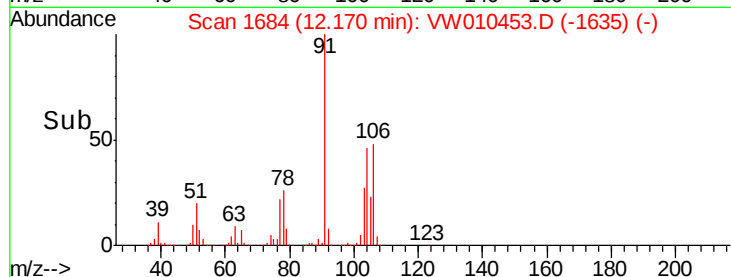
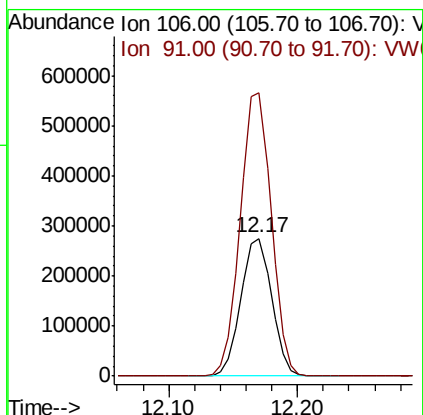
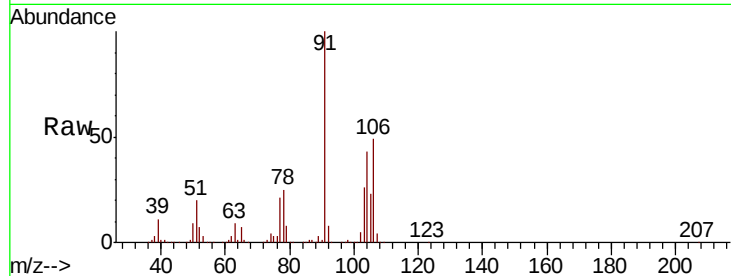




#69
o-Xylene
Concen: 153.723 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

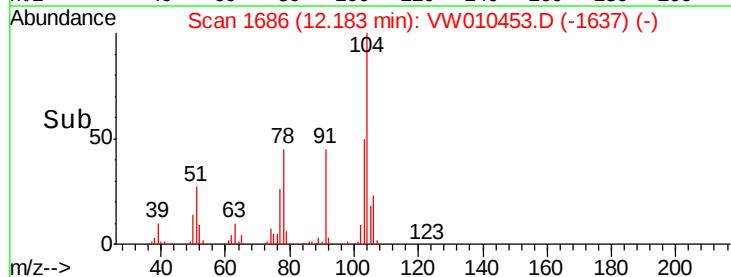
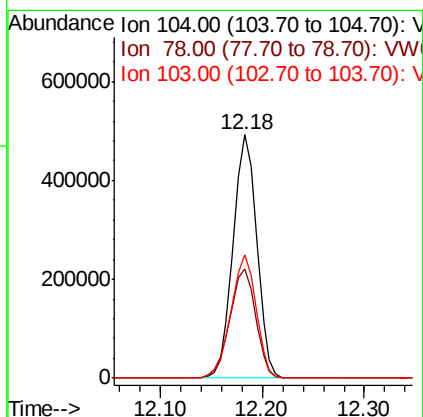
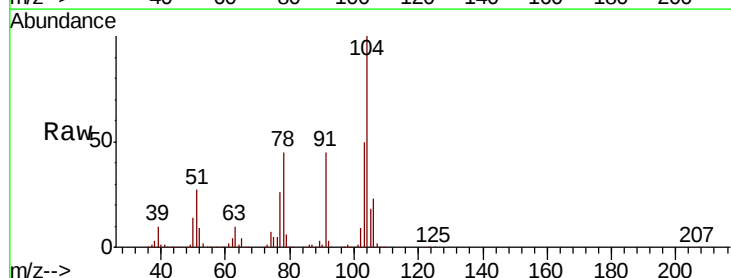
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

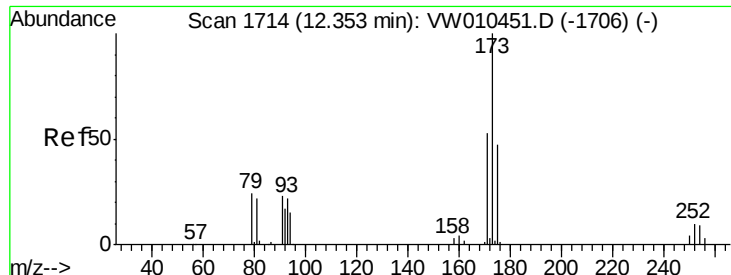
Tot Ion:106 Resp: 455823
Ion Ratio Lower Upper
106 100
91 207.2 103.2 309.4



#70
Styrene
Concen: 154.254 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:104 Resp: 786305
Ion Ratio Lower Upper
104 100
78 49.3 39.0 58.4
103 53.8 43.0 64.6

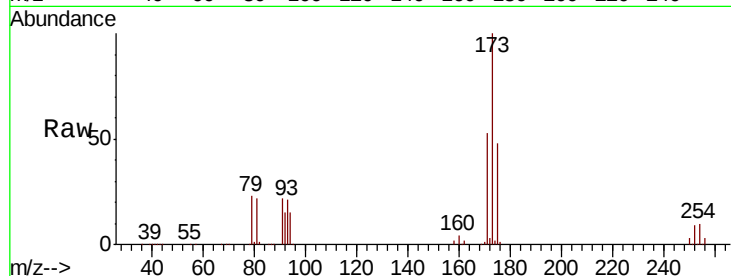




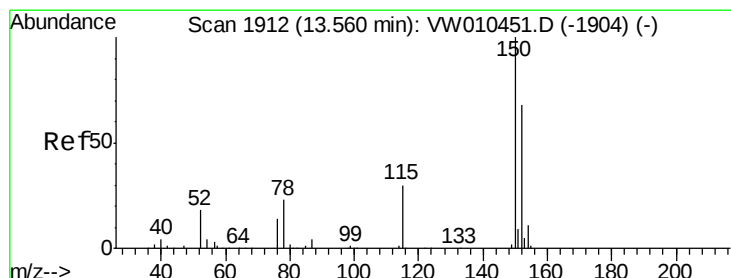
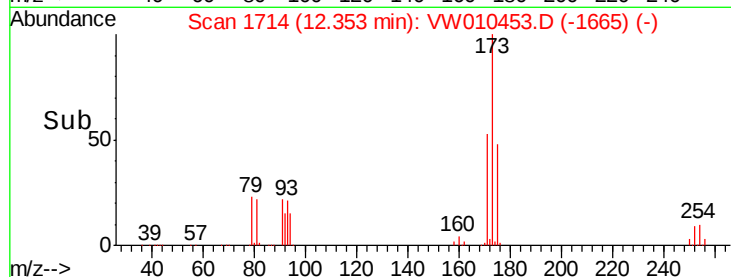
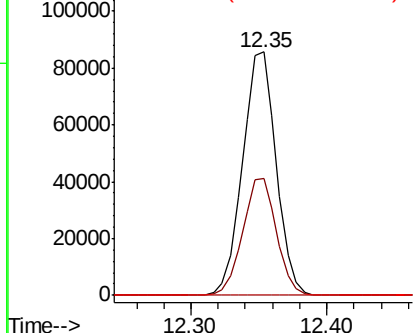
#71
Bromoform
Concen: 159.842 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:173 Resp: 147556
Ion Ratio Lower Upper
173 100
175 48.3 24.4 73.4
254 0.1 0.0 0.0#

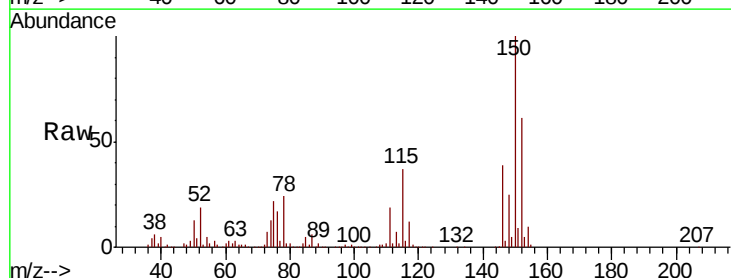


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

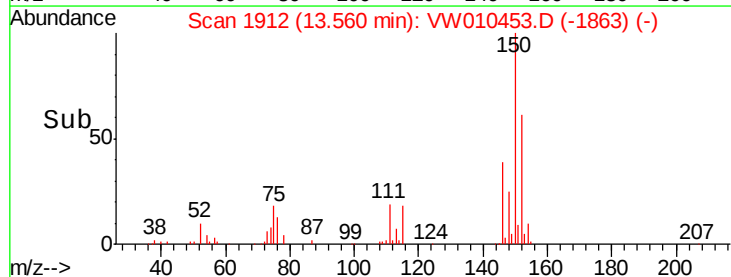
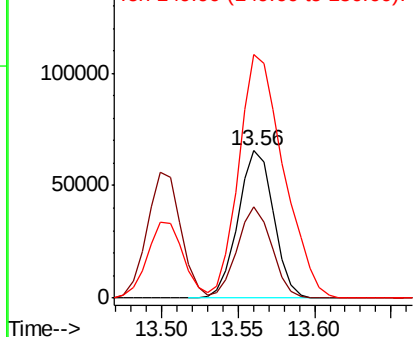


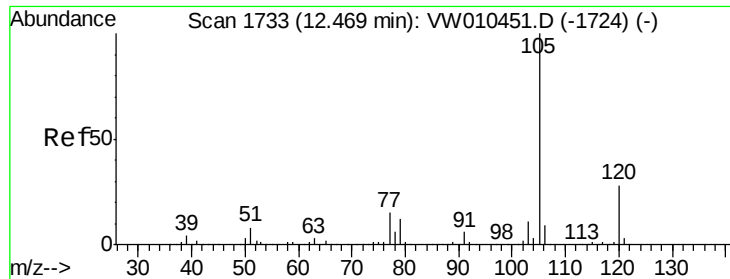
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:152 Resp: 106022
Ion Ratio Lower Upper
152 100
115 60.1 30.3 91.0
150 207.6 0.0 349.8



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





#73

Isopropylbenzene

Concen: 146.634 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

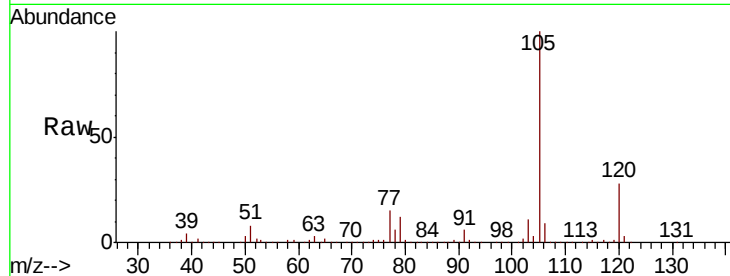
VSTDIC150

Tot Ion:105 Resp: 1220572

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

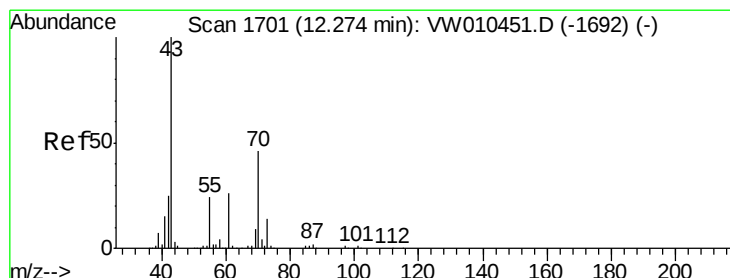
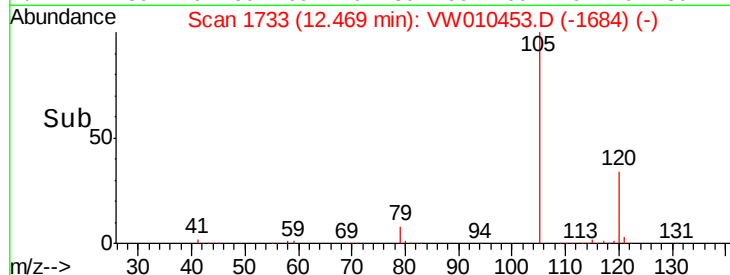
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 144.311 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion: 43 Resp: 300777

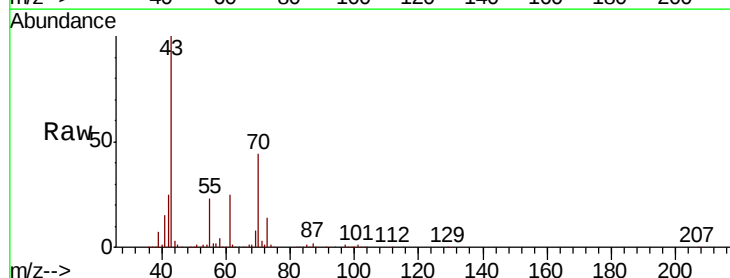
Ion Ratio Lower Upper

43 100

70 44.8 37.1 55.7

55 23.7 19.6 29.4

61 25.3 20.7 31.1



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

300000

250000

200000

150000

100000

50000

0

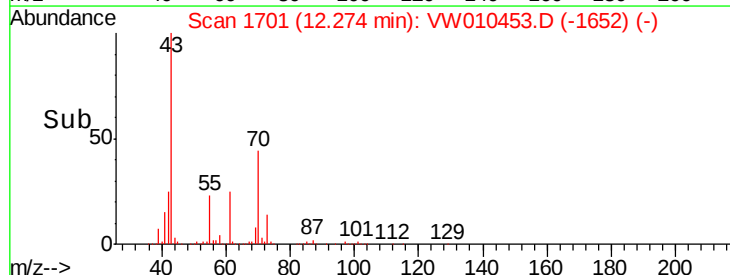
12.27

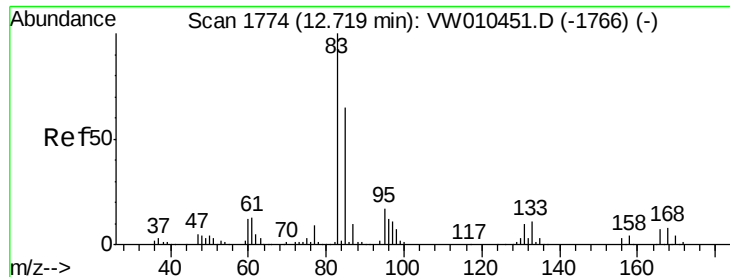
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 137.880 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

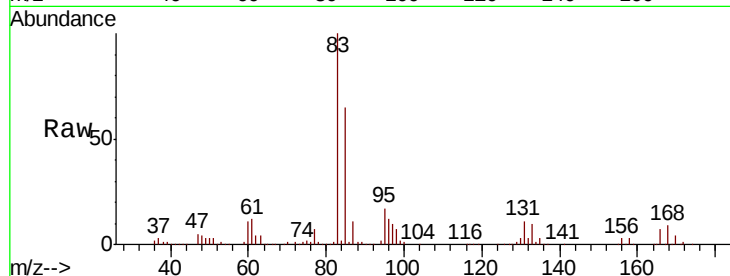
Tot Ion: 83 Resp: 222518

Ion Ratio Lower Upper

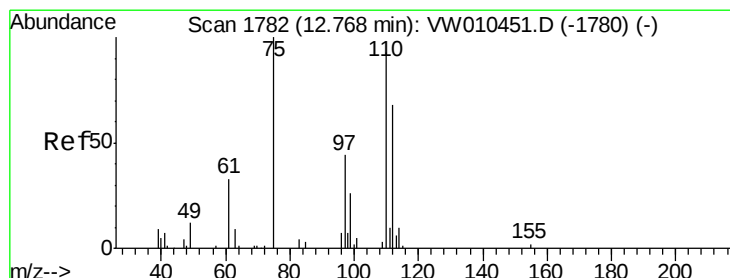
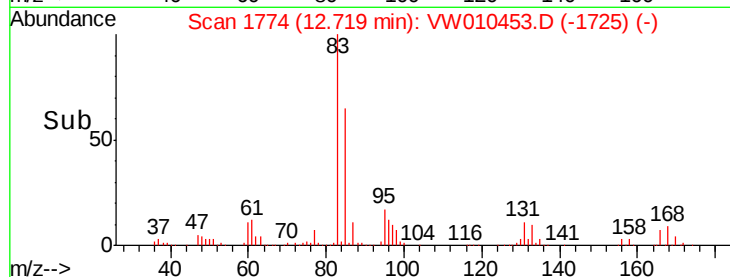
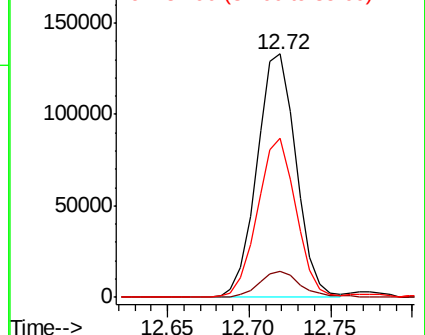
83 100

131 11.3 5.6 16.8

85 64.0 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 255.987 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010453.D

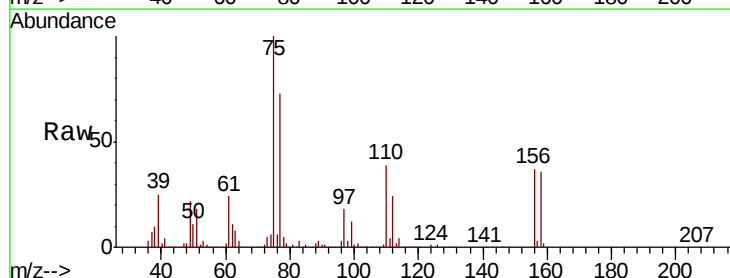
Acq: 20 May 2019 17:20

Tgt Ion: 75 Resp: 288034

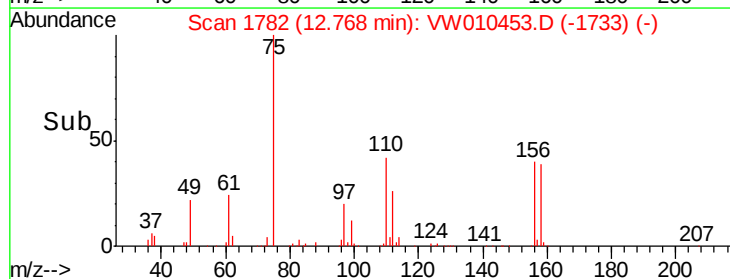
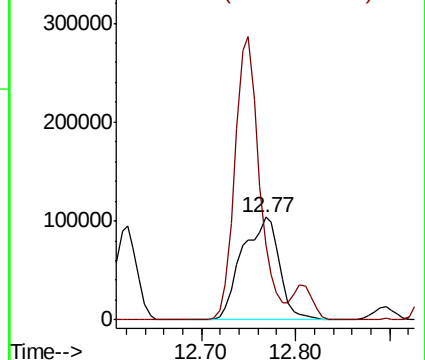
Ion Ratio Lower Upper

75 100

77 182.7 170.0 510.1



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





#77

Bromobenzene

Concen: 152.336 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

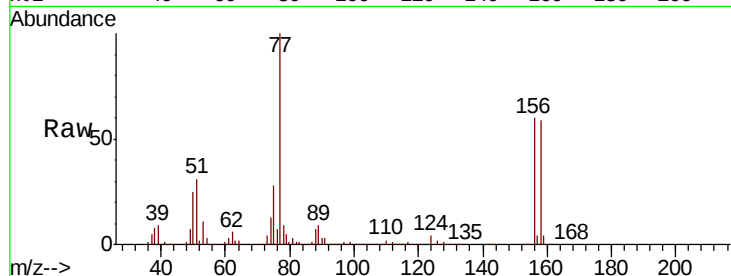
Tot Ion:156 Resp: 285708

Ion Ratio Lower Upper

156 100

77 184.2 92.4 277.2

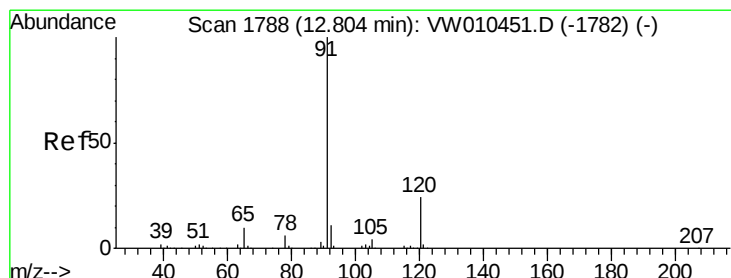
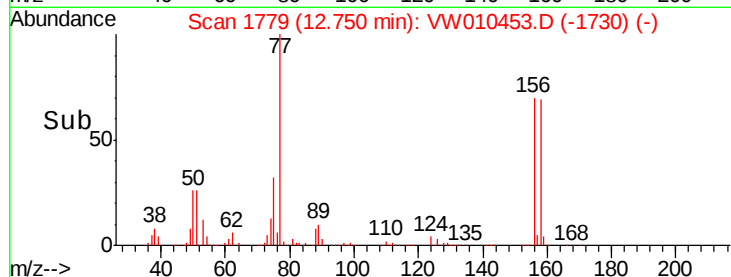
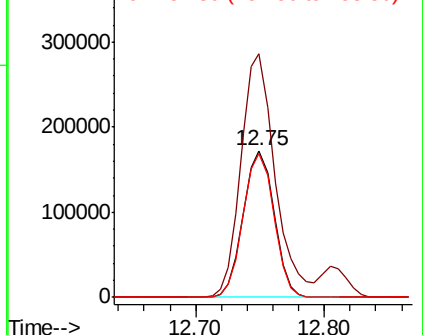
158 97.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 148.253 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010453.D

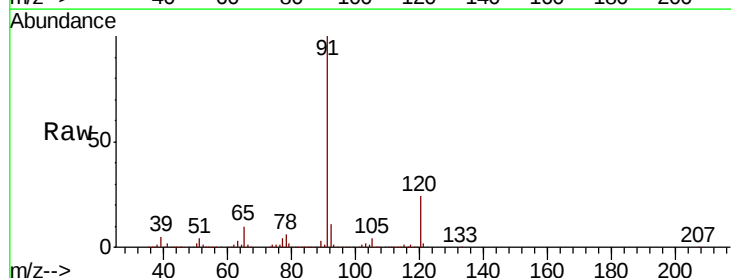
Acq: 20 May 2019 17:20

Tgt Ion: 91 Resp: 1427788

Ion Ratio Lower Upper

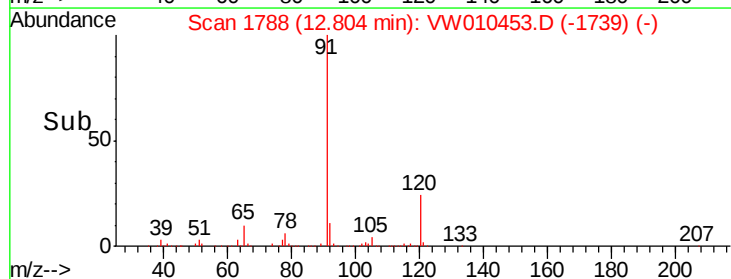
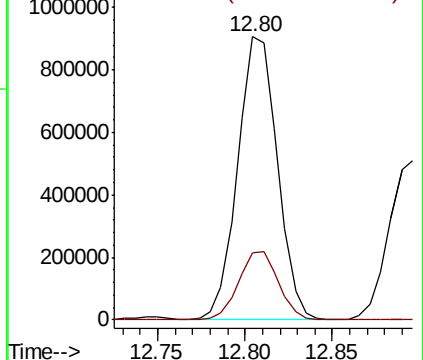
91 100

120 24.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

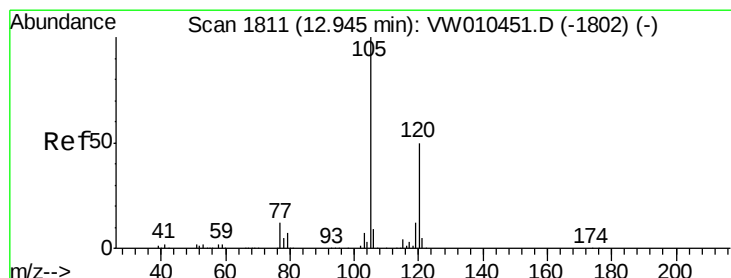
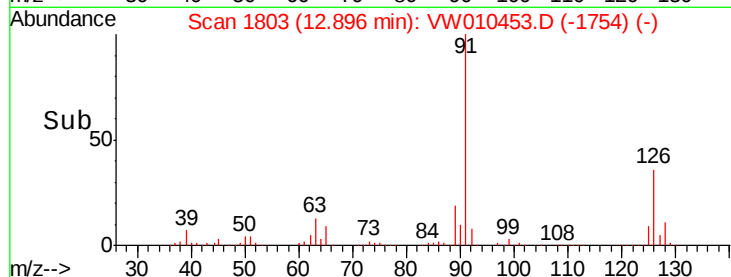
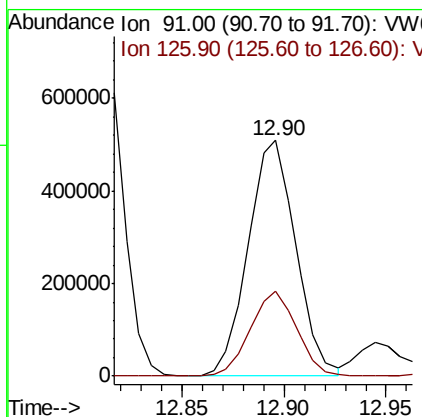
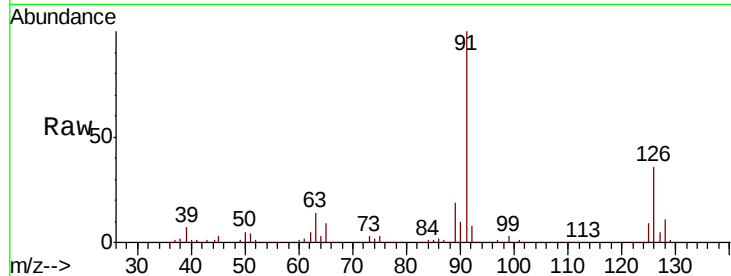




#79
2-Chlorotoluene
Concen: 147.305 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

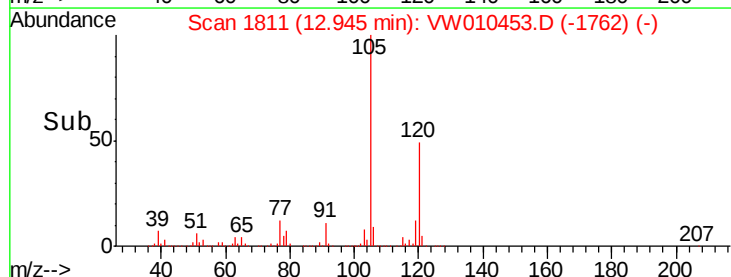
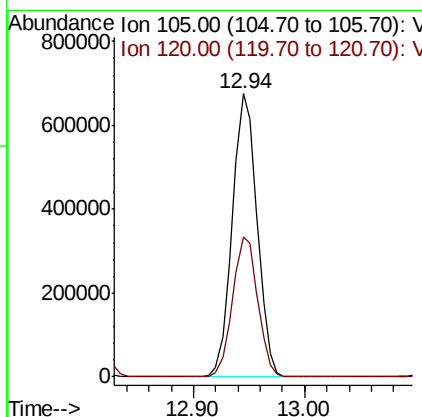
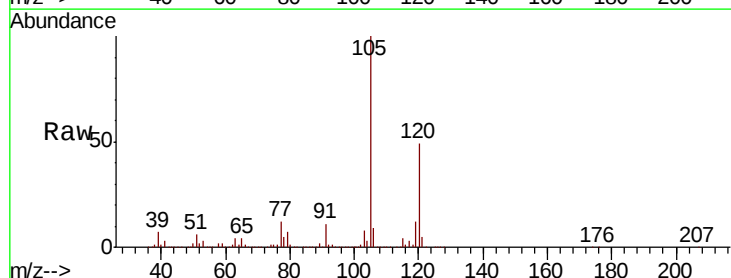
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

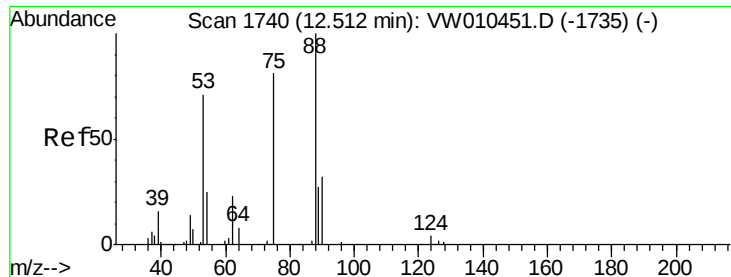
Tot Ion: 91 Resp: 827759
Ion Ratio Lower Upper
91 100
126 35.2 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 146.761 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:105 Resp: 1037314
Ion Ratio Lower Upper
105 100
120 50.2 25.2 75.6

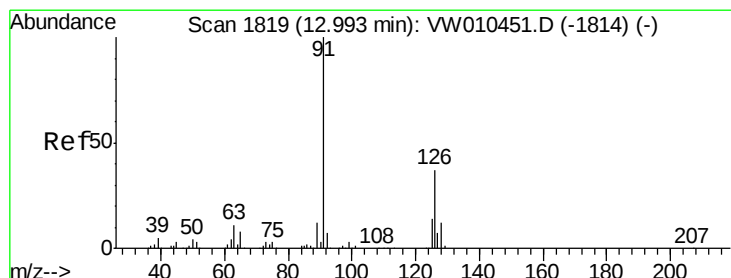
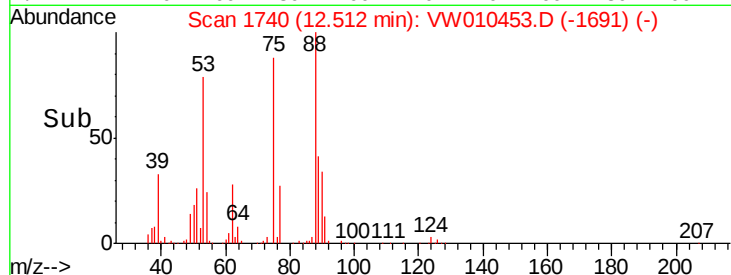
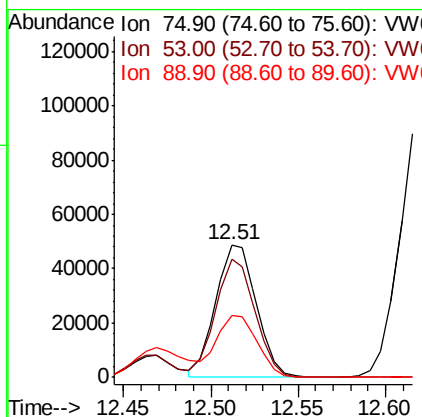
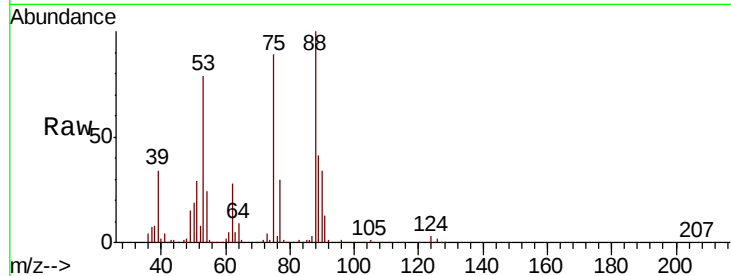




#81
trans-1,4-Dichloro-2-butene
Concen: 137.514 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

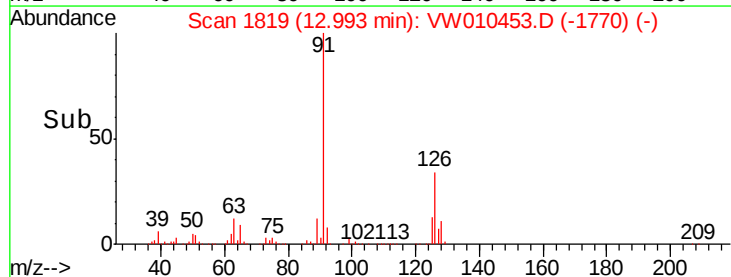
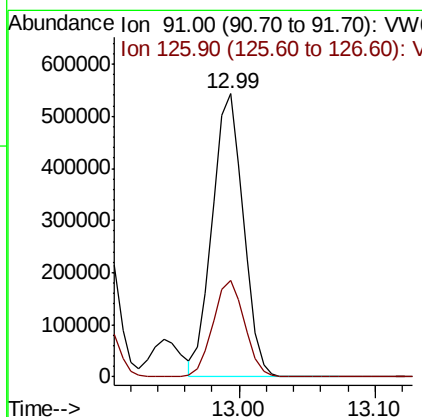
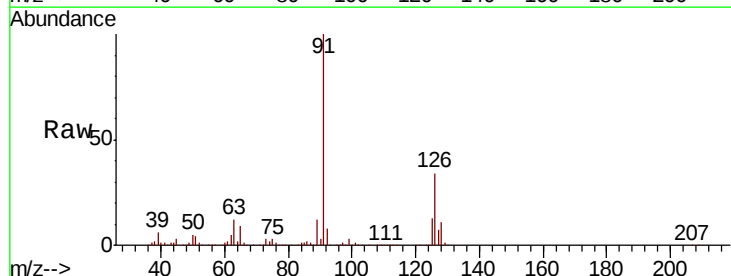
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

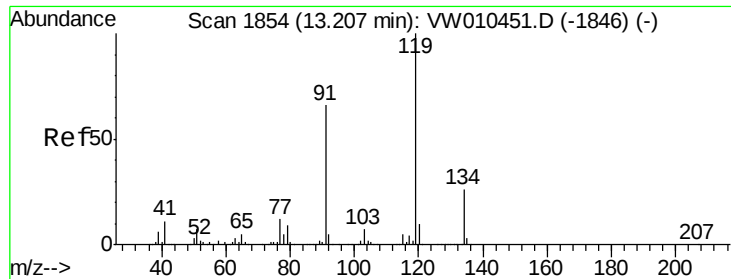
Tot Ion: 75 Resp: 78401
Ion Ratio Lower Upper
75 100
53 87.9 69.8 104.8
89 46.5 39.5 59.3



#82
4-Chlorotoluene
Concen: 146.702 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 91 Resp: 859346
Ion Ratio Lower Upper
91 100
126 34.6 17.5 52.6

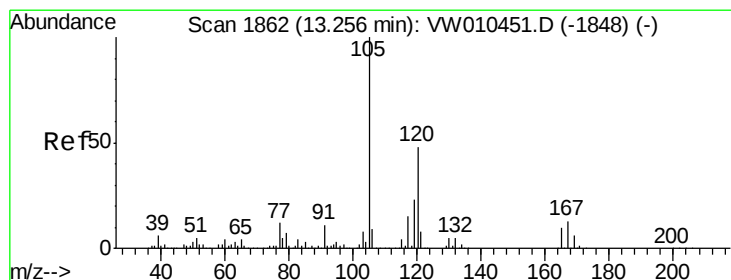
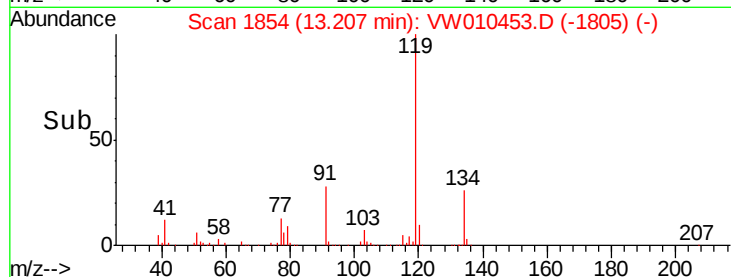
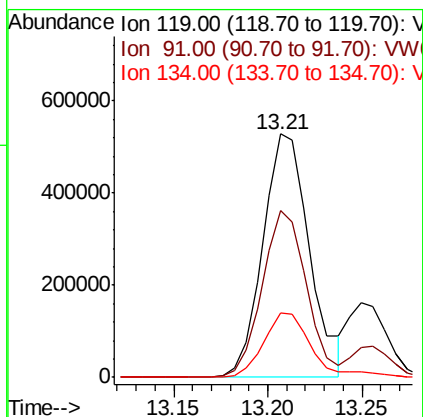
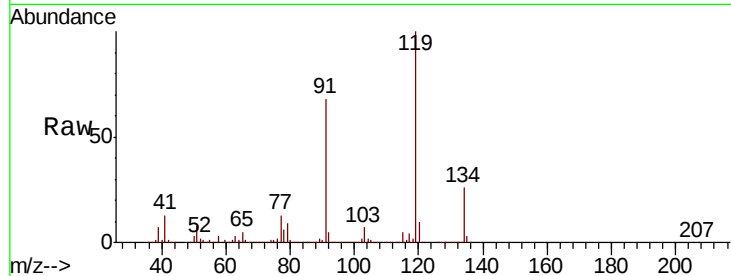




#83
tert-Butylbenzene
Concen: 151.464 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

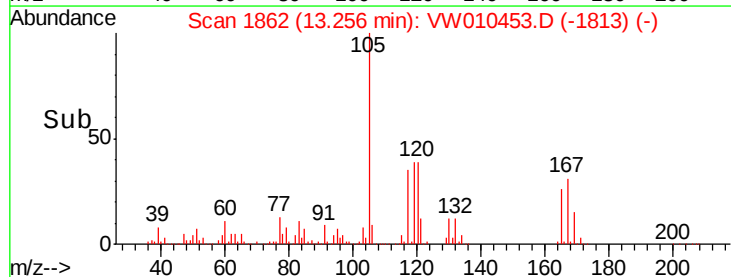
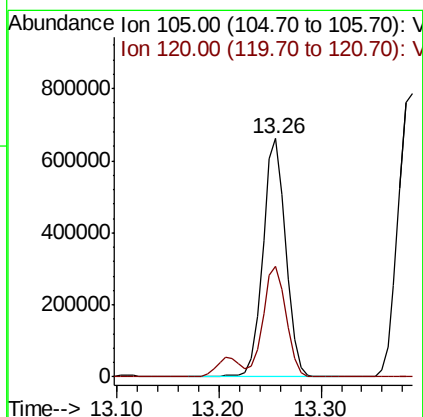
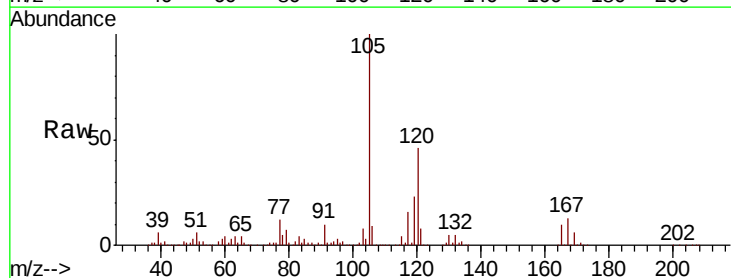
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

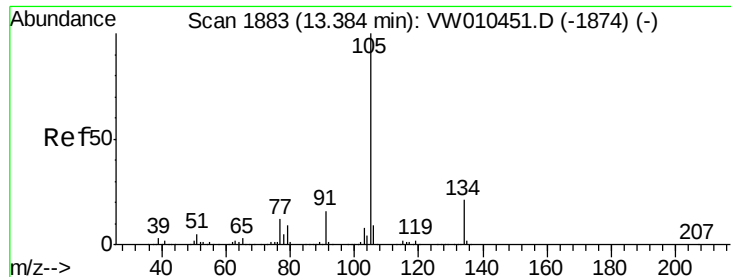
Tot Ion:119 Resp: 907855
Ion Ratio Lower Upper
119 100
91 65.0 33.1 99.5
134 27.1 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 147.318 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:105 Resp: 1026445
Ion Ratio Lower Upper
105 100
120 46.9 23.4 70.2

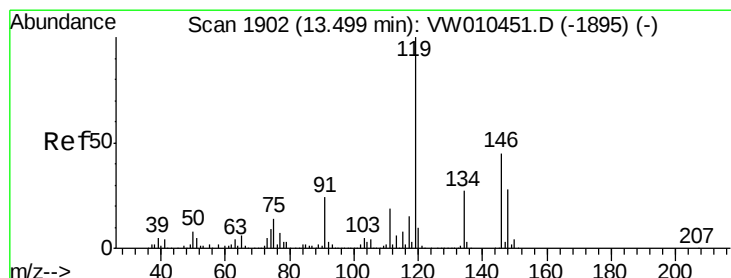
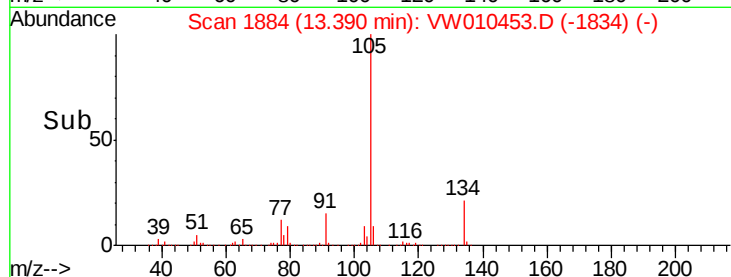
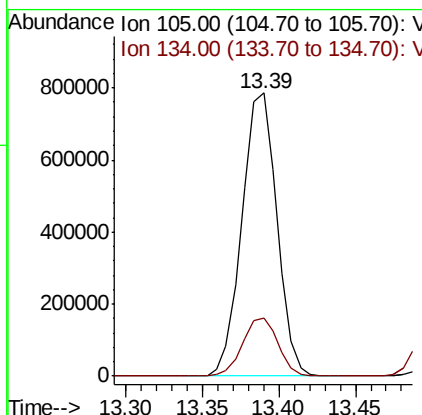
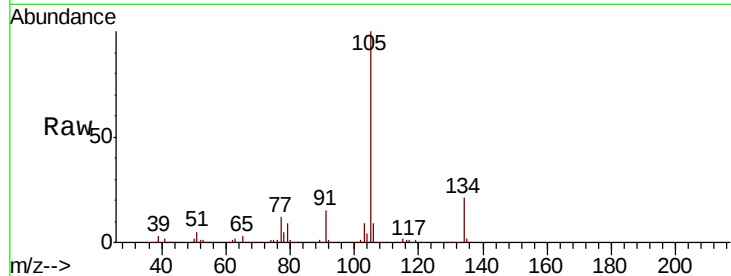




#85
 sec-Butylbenzene
 Concen: 148.061 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

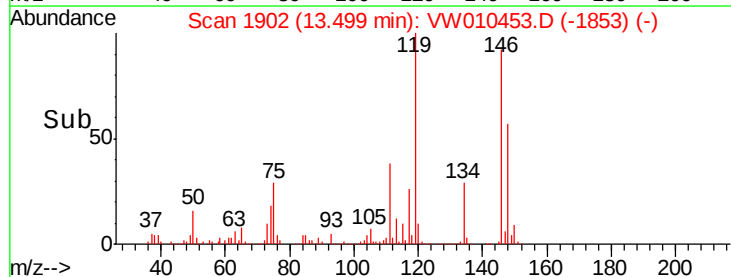
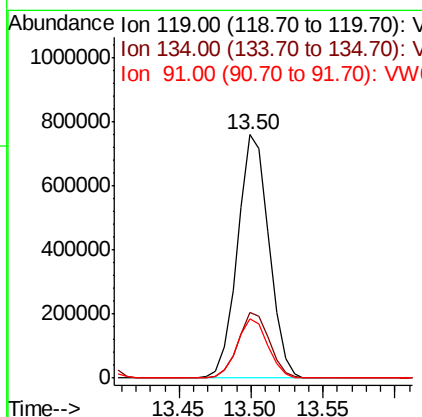
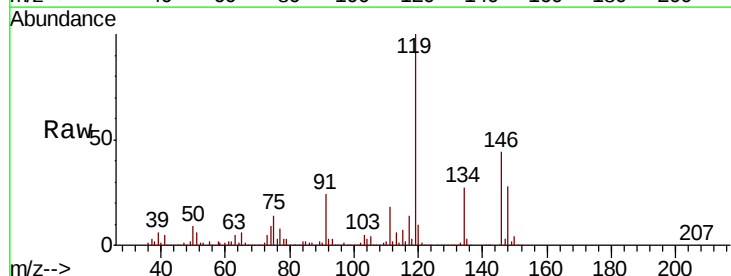
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

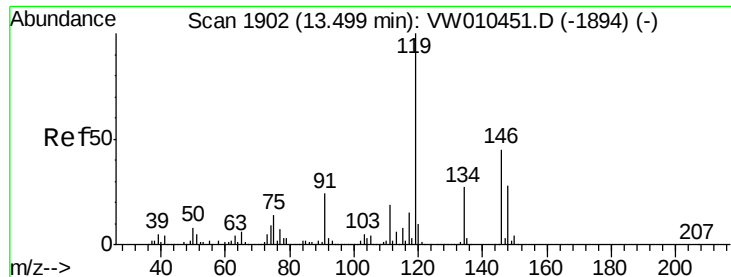
Tot Ion:105 Resp: 1248271
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 150.399 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion:119 Resp: 1148214
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.6 40.7
 91 24.0 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 150.730 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

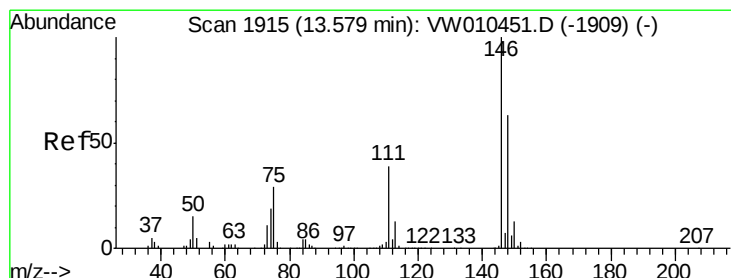
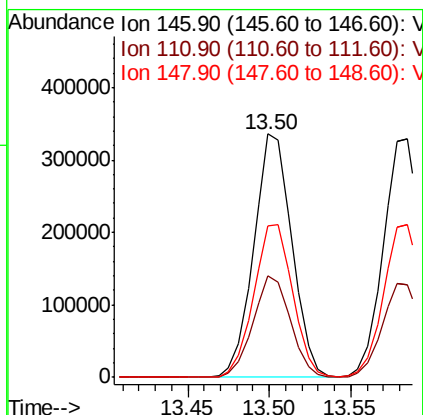
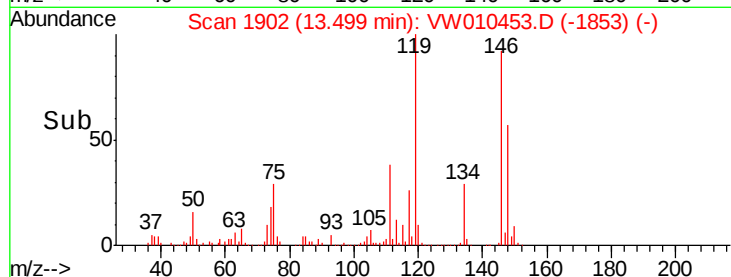
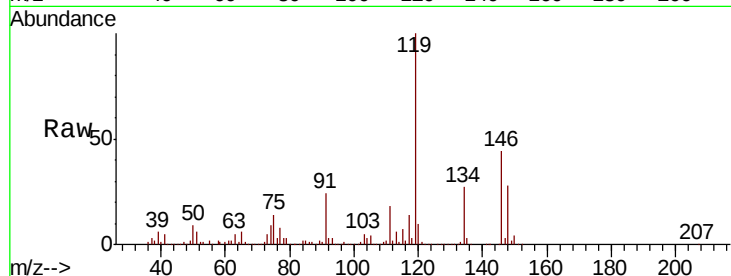
Tot Ion:146 Resp: 544879

Ion Ratio Lower Upper

146 100

111 41.1 20.3 60.9

148 63.7 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 150.165 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

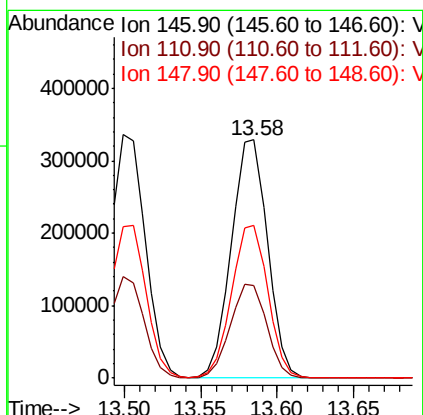
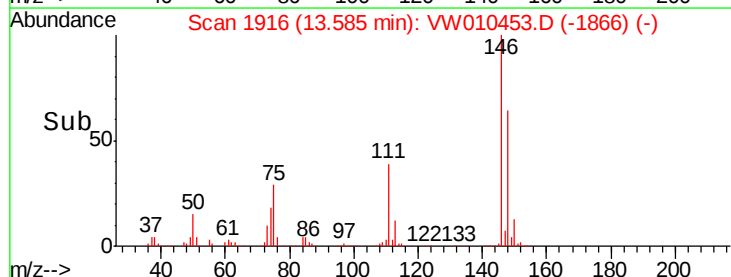
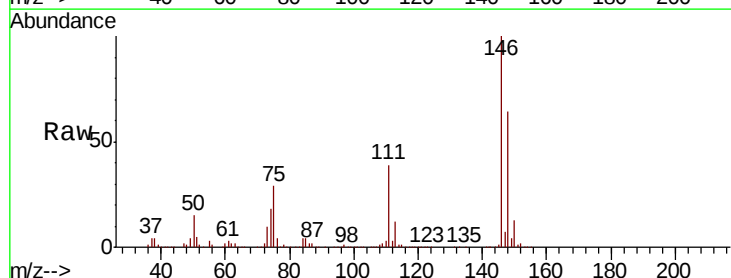
Tgt Ion:146 Resp: 541765

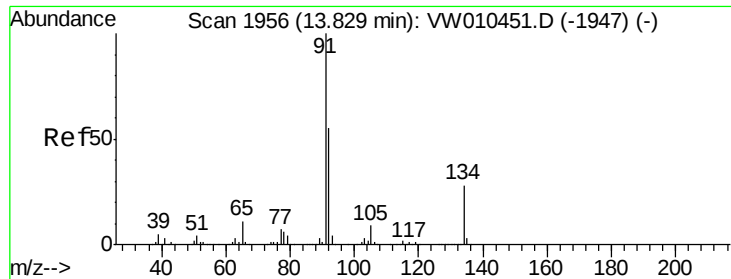
Ion Ratio Lower Upper

146 100

111 39.4 19.9 59.6

148 64.1 31.6 94.8





#89

n-Butylbenzene

Concen: 149.988 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

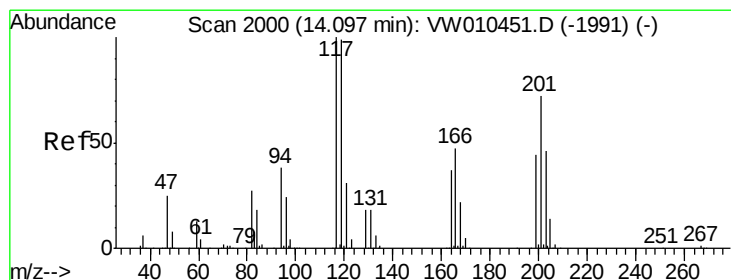
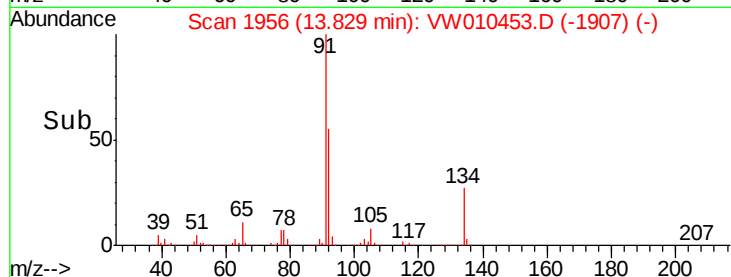
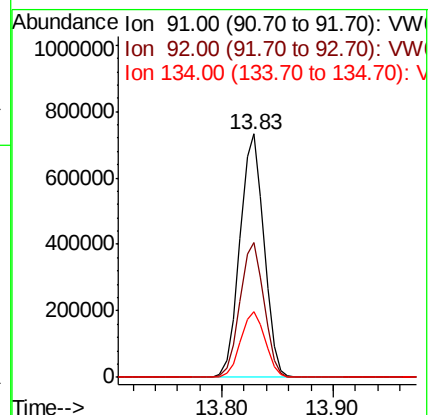
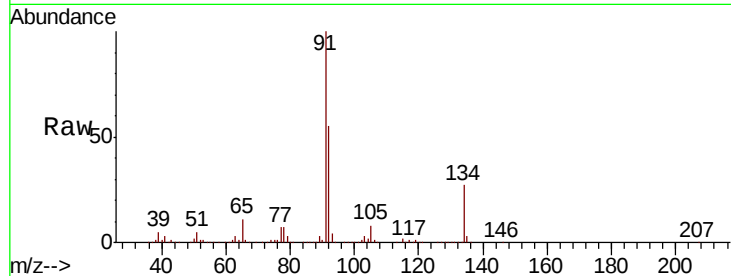
Tot Ion: 91 Resp: 1091046

Ion Ratio Lower Upper

91 100

92 55.4 27.7 83.1

134 27.5 13.9 41.6



#90

Hexachloroethane

Concen: 150.802 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010453.D

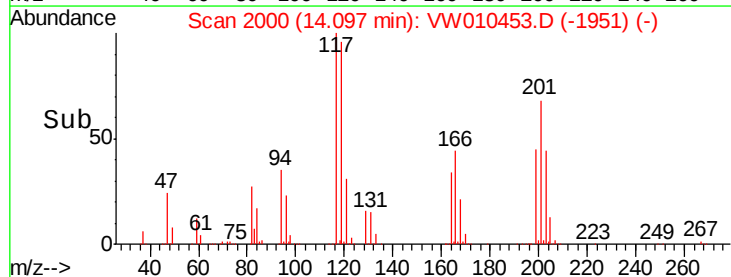
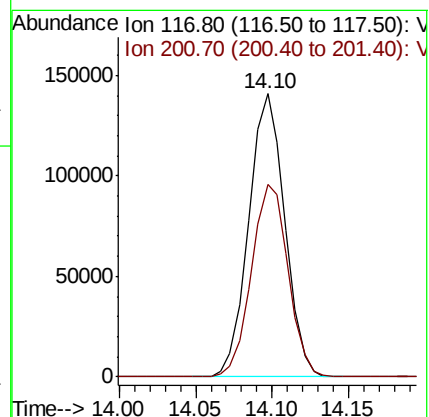
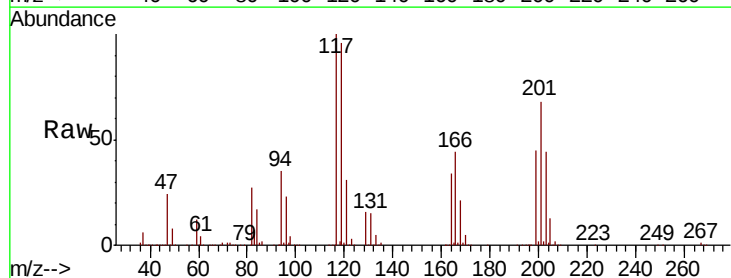
Acq: 20 May 2019 17:20

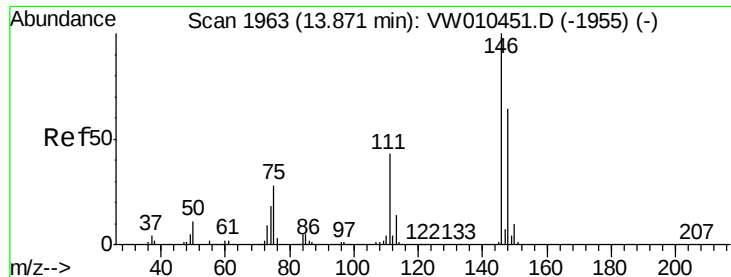
Tgt Ion: 117 Resp: 230599

Ion Ratio Lower Upper

117 100

201 69.2 34.6 103.8

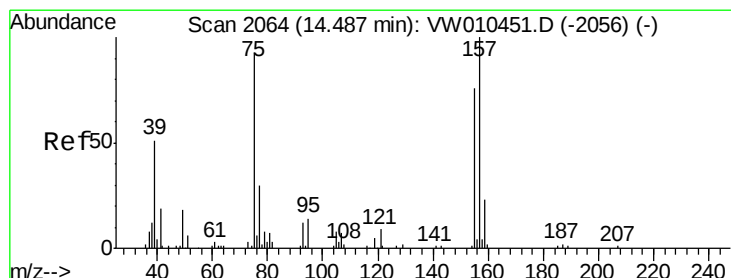
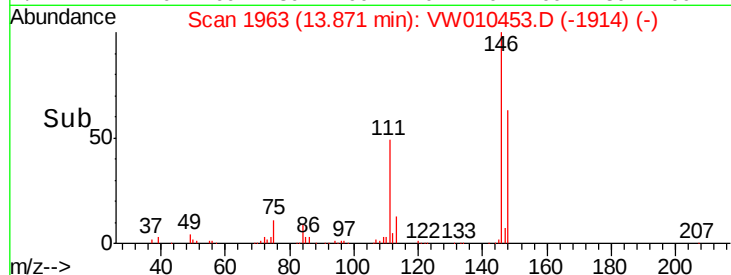
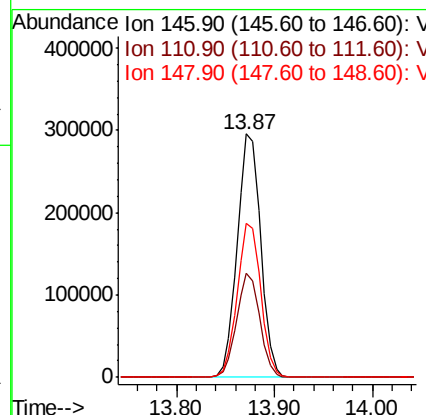
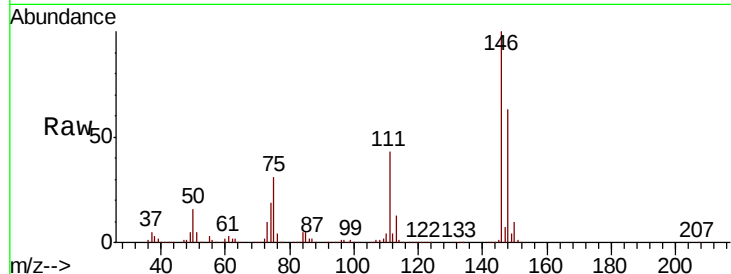




#91
 1,2-Dichlorobenzene
 Concen: 150.497 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

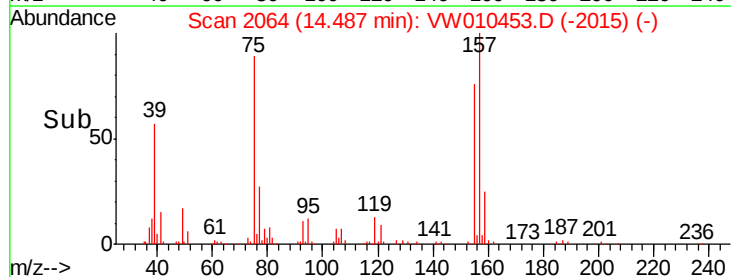
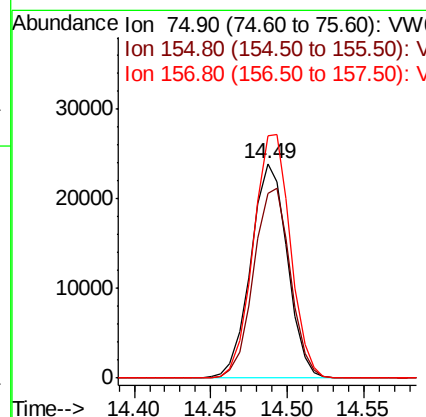
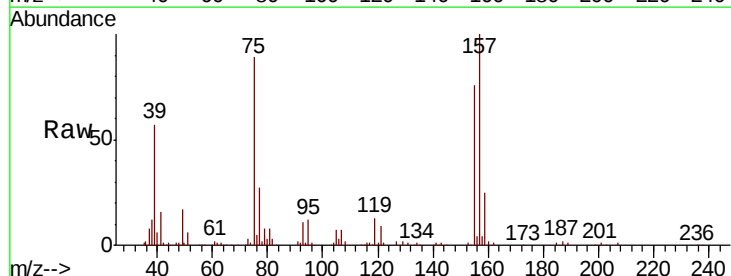
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

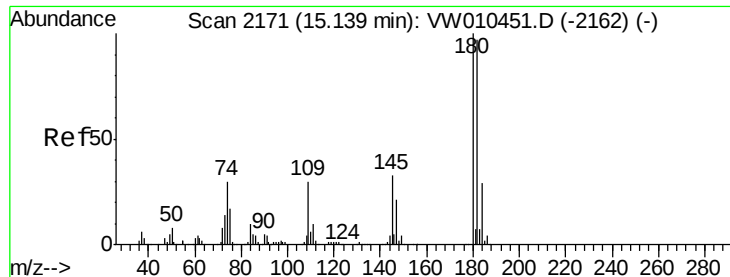
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.4	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 132.616 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	43.0	129.0
157	114.7	55.7	167.1

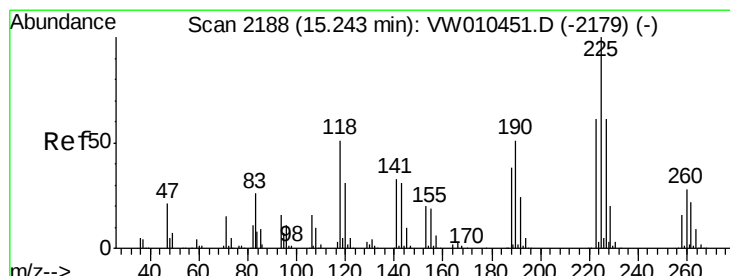
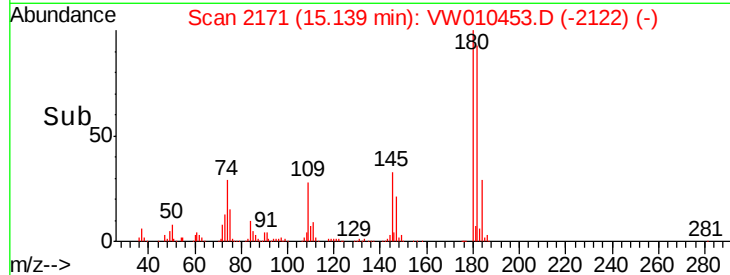
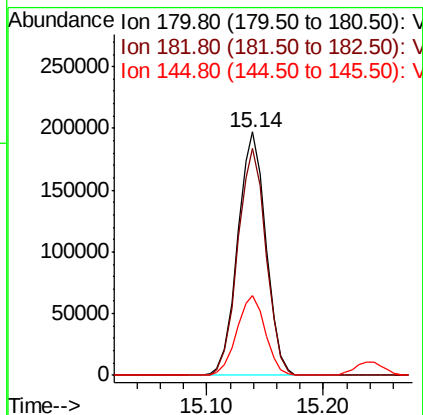
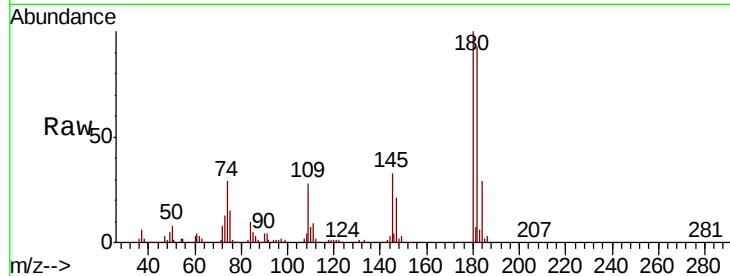




#93
 1,2,4-Trichlorobenzene
 Concen: 153.500 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

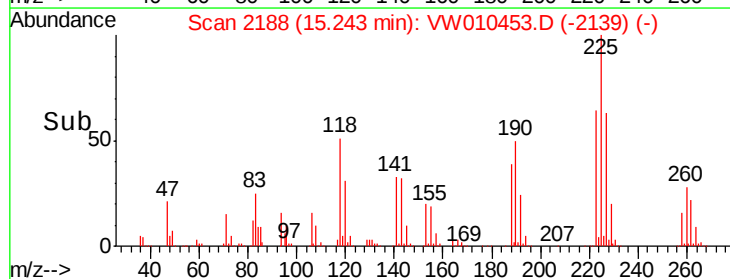
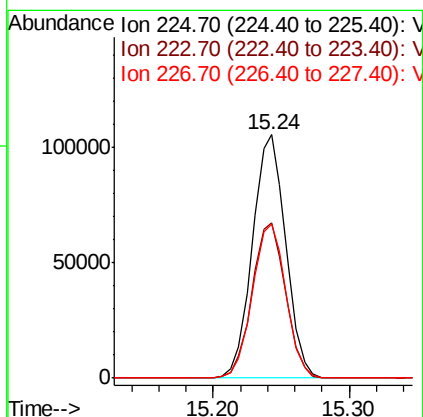
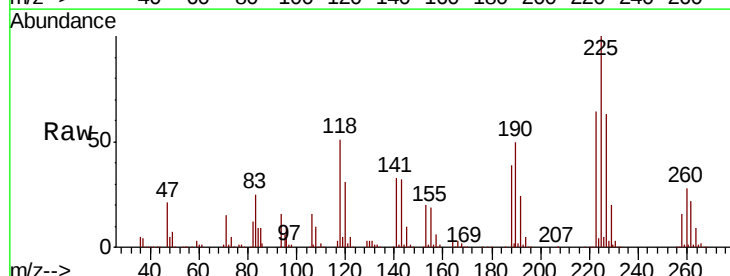
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

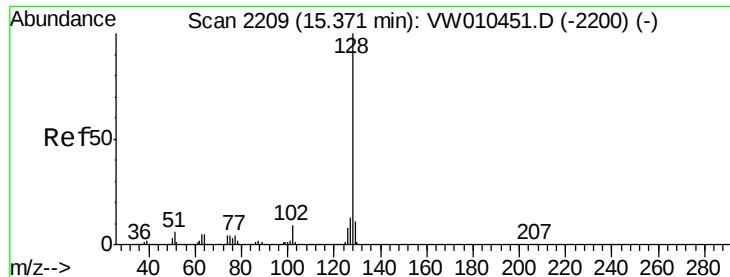
Tot Ion:180 Resp: 331949
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.0 141.2
 145 33.1 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 155.325 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion:225 Resp: 180206
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.1 93.2
 227 63.7 31.1 93.5

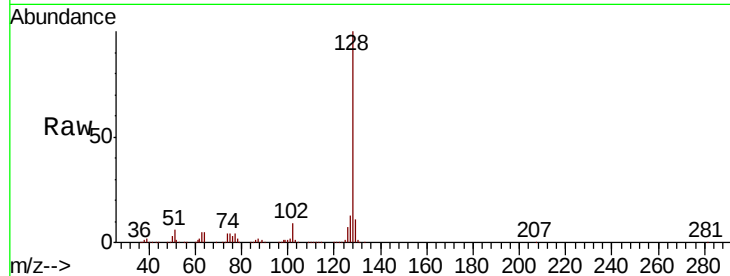




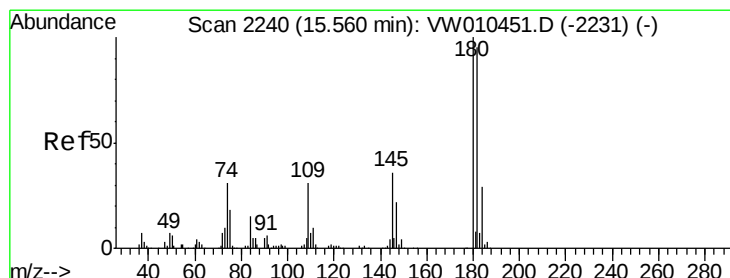
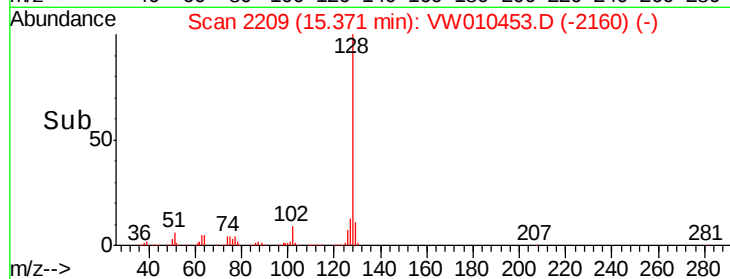
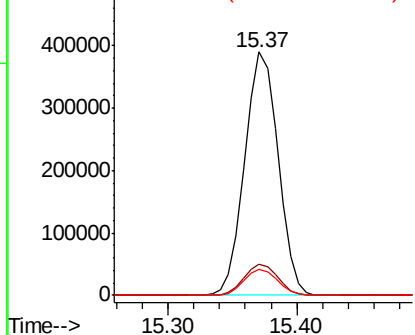
#95
Naphthalene
Concen: 145.000 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 698624
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 8.9 13.3

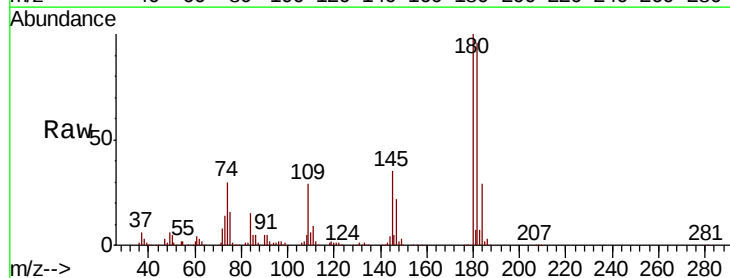


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 151.517 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:180 Resp: 287982
Ion Ratio Lower Upper
180 100
182 94.2 47.1 141.3
145 34.9 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

